

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141762.D
 Acq On : 25 Feb 2025 14:07
 Operator : RC/JU
 Sample : Q1421-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 26 00:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88792	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	356048	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	194554	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	323859	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	195463	20.000	ng	-0.02
86) Perylene-d12	15.386	264	188853	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	566792	100.075	ng	0.00
7) Phenol-d6	6.428	99	707518	98.837	ng	-0.01
23) Nitrobenzene-d5	7.345	82	445670	65.287	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	184005	94.150	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	873991	69.210	ng	-0.01
79) Terphenyl-d14	12.886	244	866854	74.868	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.575	88	99078	43.465	ng	98
3) Pyridine	3.304	79	229851	42.374	ng	93
4) n-Nitrosodimethylamine	3.257	42	138682	38.611	ng	90
6) Aniline	6.445	93	226829	33.780	ng	# 75
8) 2-Chlorophenol	6.575	128	276685	45.211	ng	97
9) Benzaldehyde	6.334	77	106505	27.998	ng	97
10) Phenol	6.439	94	335449	45.023	ng	96
11) bis(2-Chloroethyl)ether	6.516	93	248270	44.364	ng	99
12) 1,3-Dichlorobenzene	6.722	146	289182	44.759	ng	96
13) 1,4-Dichlorobenzene	6.798	146	293245	44.424	ng	98
14) 1,2-Dichlorobenzene	6.951	146	277220	45.248	ng	99
15) Benzyl Alcohol	6.928	79	236006	42.993	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383534	40.037	ng	64
17) 2-Methylphenol	7.051	107	214180	44.722	ng	93
18) Hexachloroethane	7.286	117	109393	44.778	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	184853	43.171	ng	94
20) 3+4-Methylphenols	7.204	107	282352	46.391	ng	# 75
22) Acetophenone	7.192	105	417099	47.093	ng	92
24) Nitrobenzene	7.369	77	282638	42.461	ng	96
25) Isophorone	7.604	82	501969	46.118	ng	99
26) 2-Nitrophenol	7.681	139	151422	45.723	ng	94
27) 2,4-Dimethylphenol	7.728	122	219153	56.646	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	306733	43.979	ng	100
29) 2,4-Dichlorophenol	7.934	162	227778	43.575	ng	100
30) 1,2,4-Trichlorobenzene	8.004	180	245784	43.178	ng	99
31) Naphthalene	8.086	128	789682	42.608	ng	100
32) Benzoic acid	7.845	122	59439	14.791	ng	98
33) 4-Chloroaniline	8.139	127	116223	17.961	ng	98
34) Hexachlorobutadiene	8.198	225	151076	44.209	ng	99
35) Caprolactam	8.510	113	75484m	47.428	ng	
36) 4-Chloro-3-methylphenol	8.633	107	247497	42.743	ng	99
37) 2-Methylnaphthalene	8.775	142	501251	41.562	ng	100
38) 1-Methylnaphthalene	8.875	142	487134	41.703	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	275848	49.007	ng	99
41) Hexachlorocyclopentadiene	8.928	237	244112	130.391	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	157396	43.266	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	169521	42.997	ng	98
46) 1,1'-Biphenyl	9.239	154	725705	48.113	ng	99
47) 2-Chloronaphthalene	9.263	162	494895	44.370	ng	99
48) 2-Nitroaniline	9.369	65	160694	42.929	ng	94
49) Acenaphthylene	9.680	152	755865	45.562	ng	100
50) Dimethylphthalate	9.539	163	581376	44.018	ng	99
51) 2,6-Dinitrotoluene	9.610	165	128111	44.370	ng	94
52) Acenaphthene	9.851	154	469732	42.116	ng	99
53) 3-Nitroaniline	9.780	138	84069	27.053	ng	96
54) 2,4-Dinitrophenol	9.898	184	107902	62.880	ng	90
55) Dibenzofuran	10.022	168	679468	41.505	ng	100
56) 4-Nitrophenol	9.963	139	178963	77.578	ng	93
57) 2,4-Dinitrotoluene	10.016	165	168790	43.913	ng	98
58) Fluorene	10.369	166	556982	44.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	144069	42.444	ng	92
60) Diethylphthalate	10.239	149	552047	42.482	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	268025	44.014	ng	98
62) 4-Nitroaniline	10.398	138	133998	42.465	ng	95
63) Azobenzene	10.516	77	595687	46.111	ng	95
65) 4,6-Dinitro-2-methylph...	10.427	198	84606	37.608	ng	93
66) n-Nitrosodiphenylamine	10.475	169	472300	45.558	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	165760	45.796	ng	99
68) Hexachlorobenzene	10.916	284	174405	46.793	ng	98
69) Atrazine	11.010	200	178296	57.328	ng	99
70) Pentachlorophenol	11.116	266	160396	67.302	ng	99
71) Phenanthrene	11.327	178	797195	44.718	ng	100
72) Anthracene	11.380	178	828278	46.220	ng	100
73) Carbazole	11.539	167	710387	44.056	ng	99
74) Di-n-butylphthalate	11.863	149	830961	44.631	ng	100
75) Fluoranthene	12.516	202	785350	41.553	ng	100
77) Benzidine	12.639	184	280116	64.980	ng	99
78) Pyrene	12.745	202	778525	46.789	ng	99
80) Butylbenzylphthalate	13.357	149	285094	49.467	ng	98
81) Benzo(a)anthracene	13.933	228	595321	45.818	ng	100
82) 3,3'-Dichlorobenzidine	13.898	252	132055	35.480	ng	99
83) Chrysene	13.968	228	540286	45.035	ng	100
84) Bis(2-ethylhexyl)phtha...	13.915	149	354228	54.495	ng	99
85) Di-n-octyl phthalate	14.527	149	550072	59.320	ng	99
87) Indeno(1,2,3-cd)pyrene	16.827	276	592429	50.769	ng	99
88) Benzo(b)fluoranthene	14.968	252	564333	44.504	ng	99
89) Benzo(k)fluoranthene	14.998	252	445721	41.164	ng	99
90) Benzo(a)pyrene	15.327	252	482833	47.057	ng	99
91) Dibenzo(a,h)anthracene	16.839	278	478481	50.605	ng	99
92) Benzo(g,h,i)perylene	17.256	276	462853	46.779	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

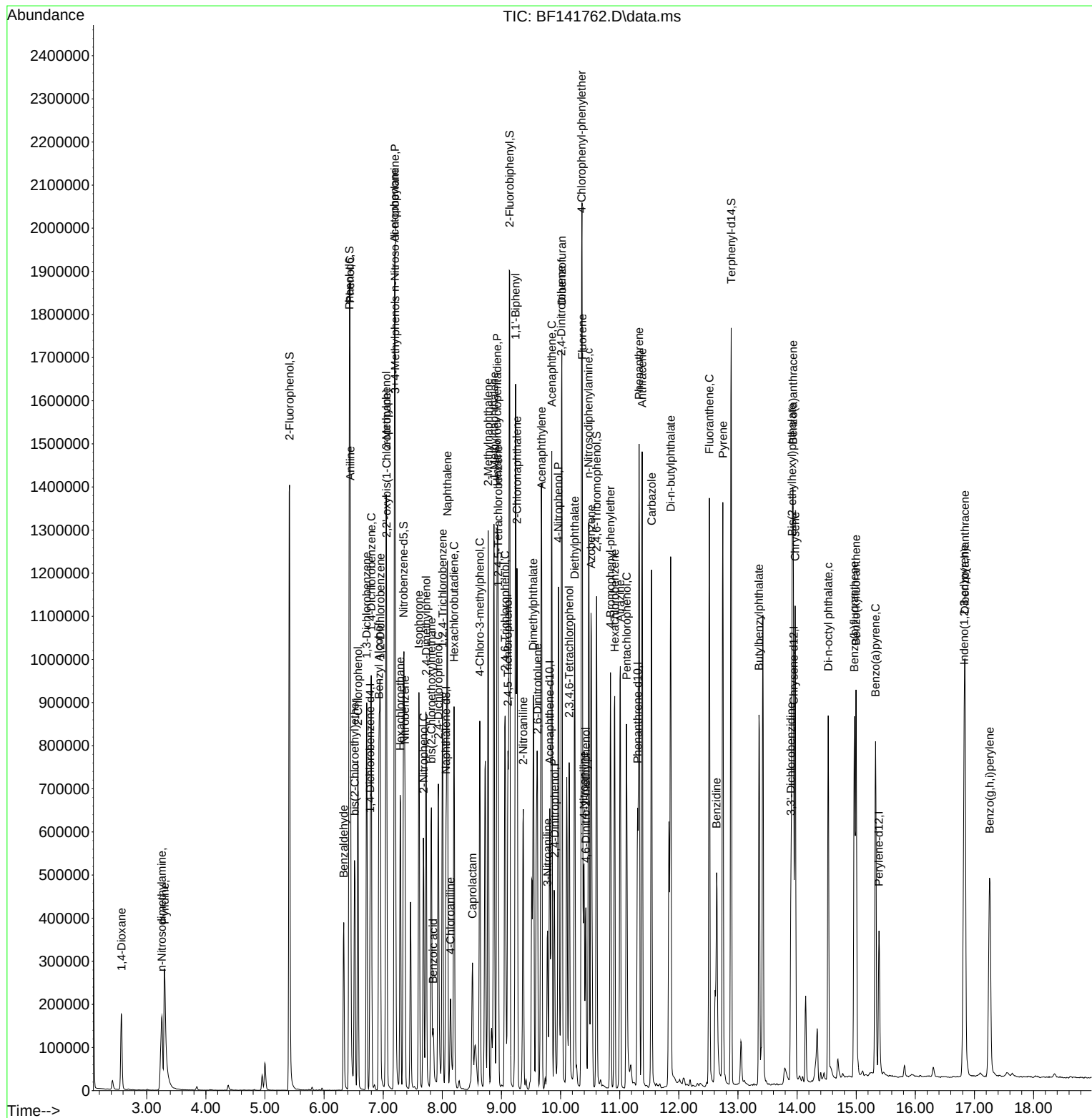
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
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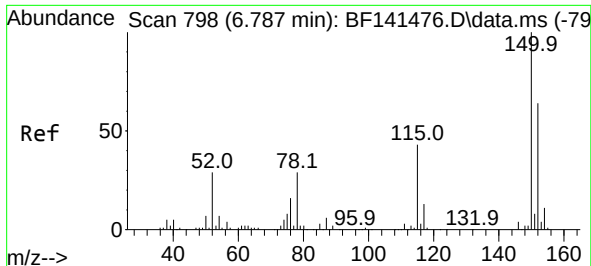
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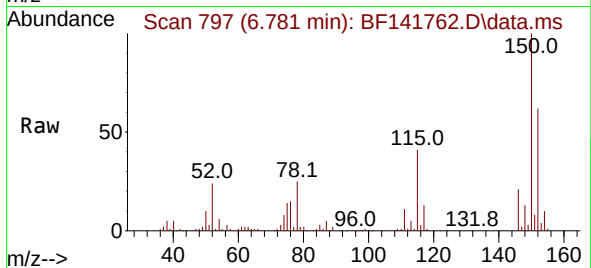
Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

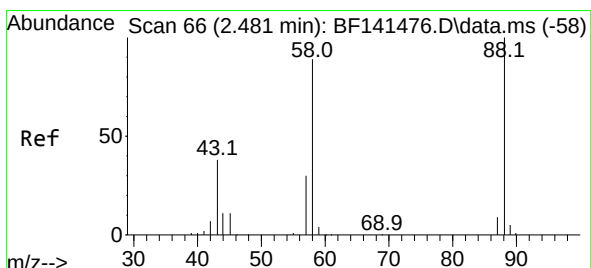
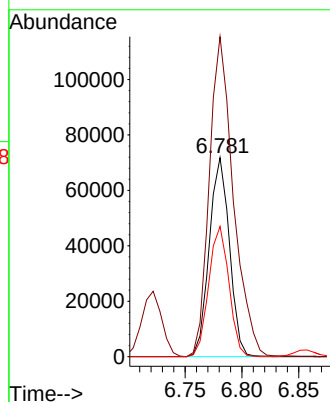
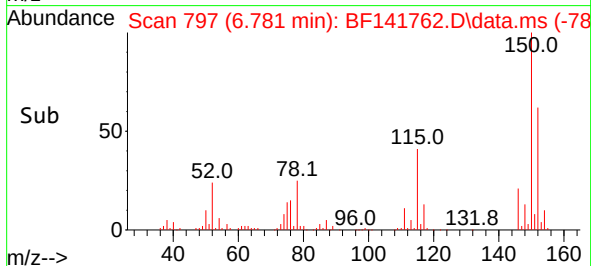
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:152 Resp: 88792
Ion Ratio Lower Upper
152 100
150 160.8 125.0 187.4
115 65.4 53.6 80.4

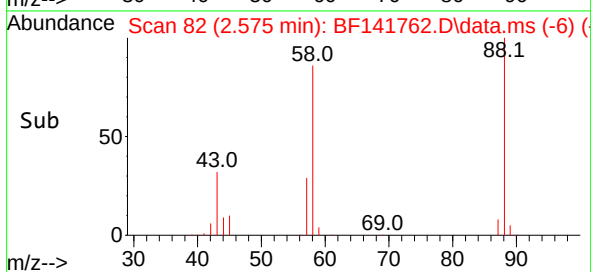
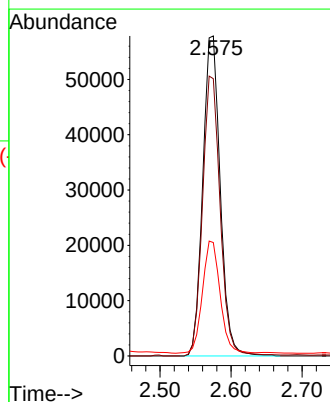
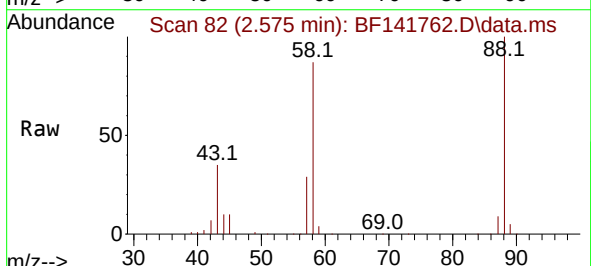
Manual Integrations
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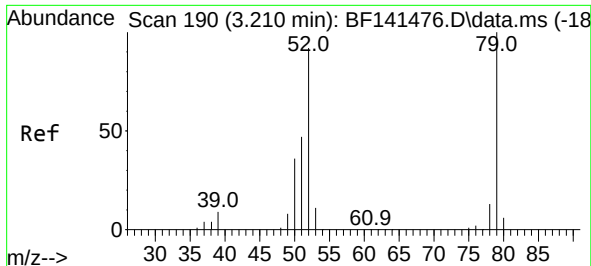
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#2
1,4-Dioxane
Concen: 43.465 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.094 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 88 Resp: 99078
Ion Ratio Lower Upper
88 100
58 88.6 71.1 106.7
43 35.4 30.6 46.0





#3

Pyridine

Concen: 42.374 ng

RT: 3.304 min Scan# 206

Delta R.T. 0.088 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS

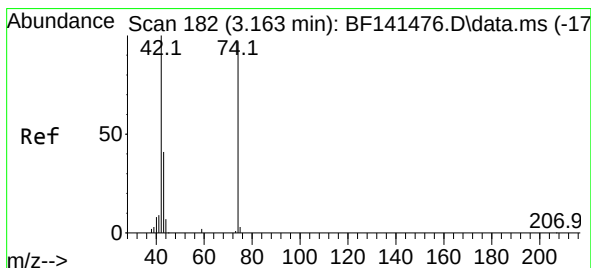
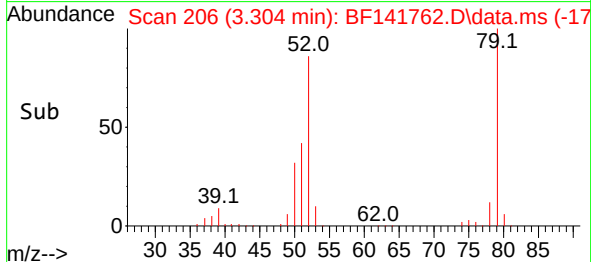
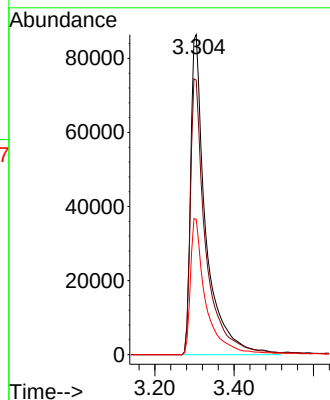
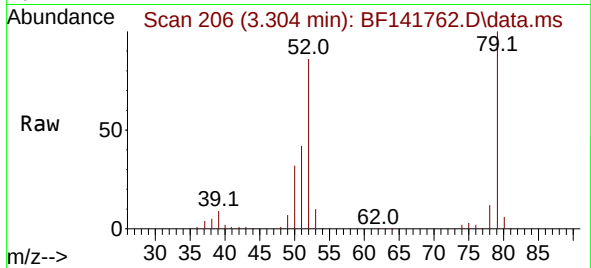
Tgt Ion: 79 Resp: 22985

Ion	Ratio	Lower	Upper
79	100		
52	85.8	73.7	110.5
51	42.4	37.5	56.3

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Supervised By :mohammad ahmed 02/28/2025



#4

n-Nitrosodimethylamine

Concen: 38.611 ng

RT: 3.257 min Scan# 198

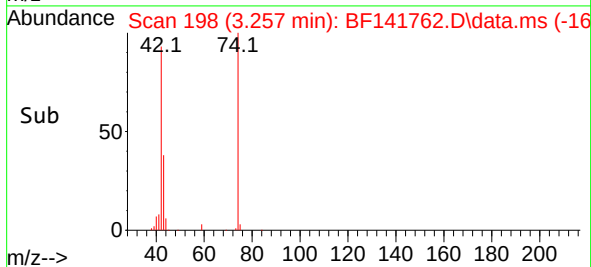
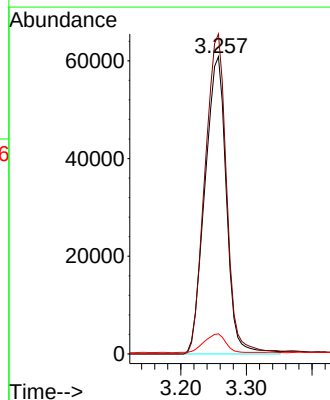
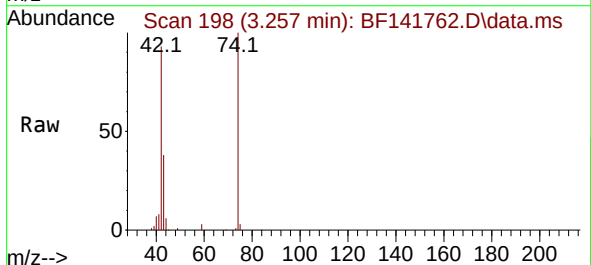
Delta R.T. 0.071 min

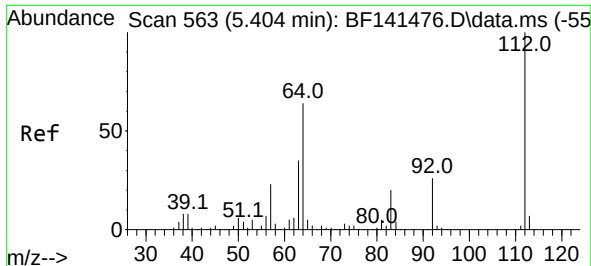
Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Tgt Ion: 42 Resp: 138682

Ion	Ratio	Lower	Upper
42	100		
74	107.7	78.0	117.0
44	6.8	5.4	8.2





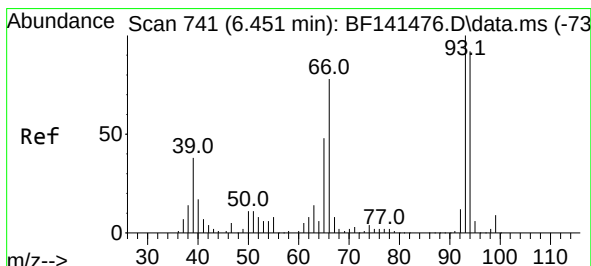
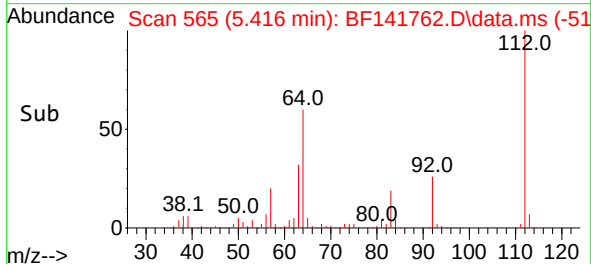
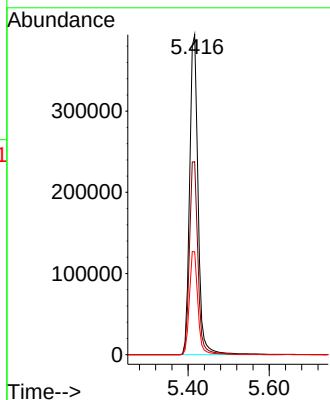
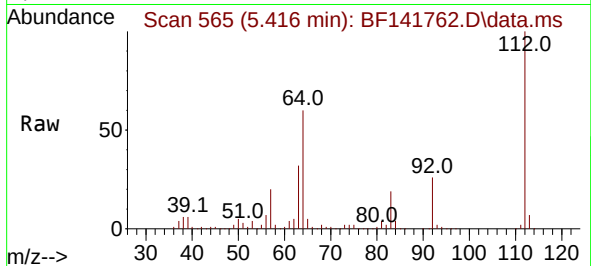
#5
2-Fluorophenol
Concen: 100.075 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141762.D
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P001-CLAY-CF01-01MS

Tgt Ion:112 Resp: 566792
Ion Ratio Lower Upper
112 100
64 60.3 51.1 76.7
63 32.1 28.4 42.6

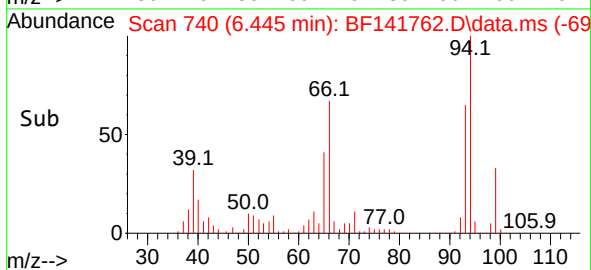
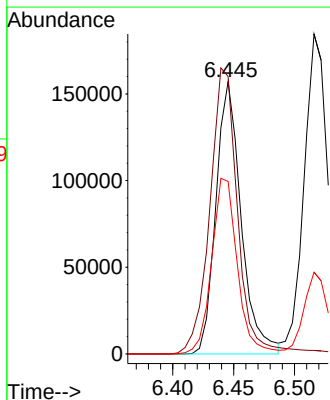
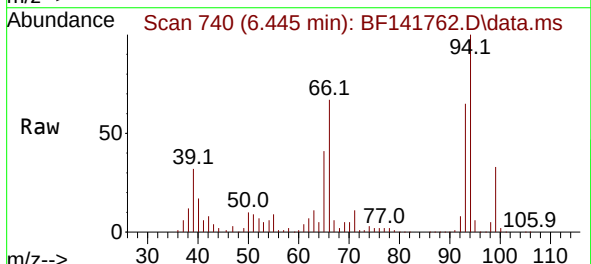
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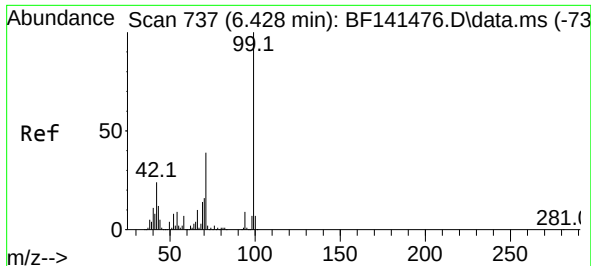
Reviewed By :Anahy Claudio 02/26/2025
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#6
Aniline
Concen: 33.780 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 93 Resp: 226829
Ion Ratio Lower Upper
93 100
66 101.8 62.6 94.0#
65 63.3 38.3 57.5#





#7

Phenol-d6

Concen: 98.837 ng

RT: 6.428 min Scan# 718

Delta R.T. -0.012 min

Lab File: BF141762.D

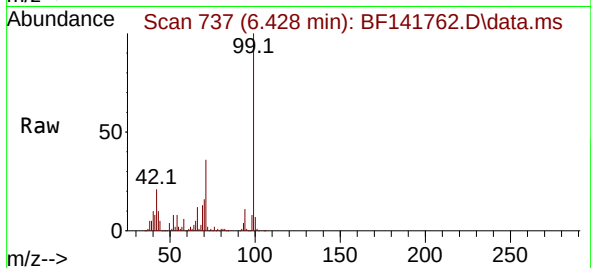
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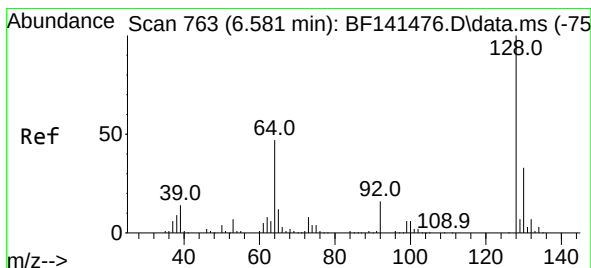
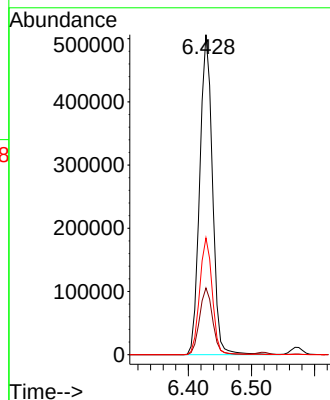
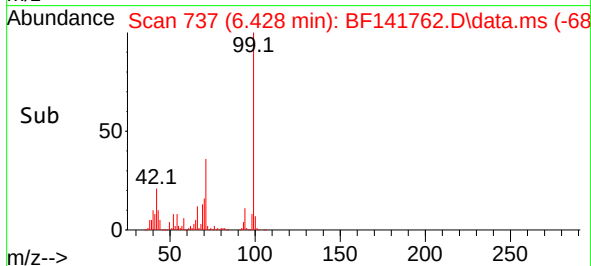
Tgt Ion:	99	Resp:	707518
Ion	Ratio	Lower	Upper
99	100		
42	20.8	19.1	28.7
71	36.5	31.1	46.7

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#8

2-Chlorophenol

Concen: 45.211 ng

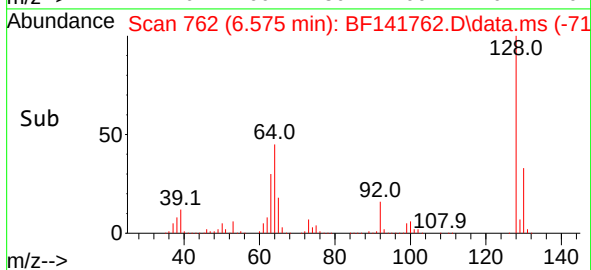
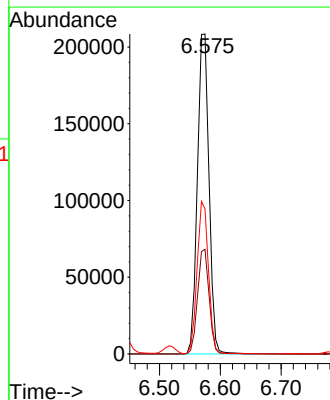
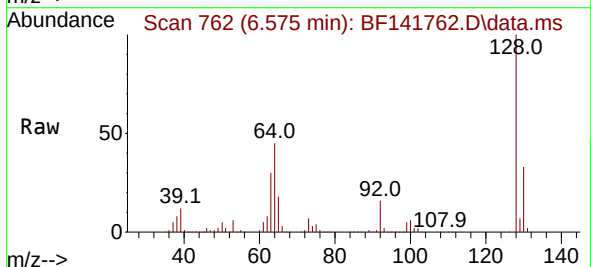
RT: 6.575 min Scan# 762

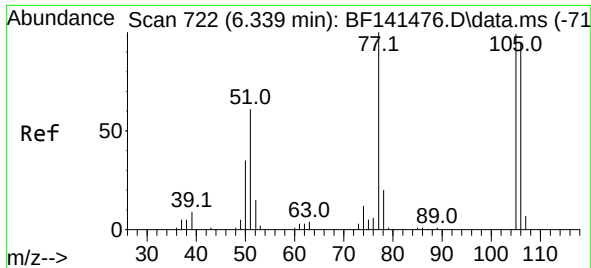
Delta R.T. -0.012 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

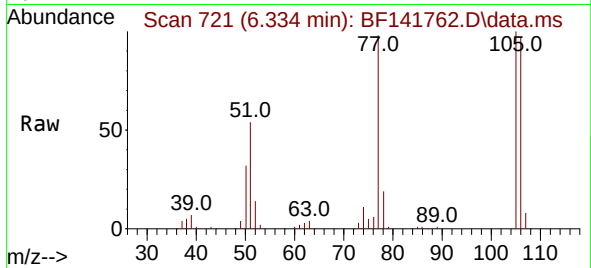
Tgt Ion:	128	Resp:	276685
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	45.3	28.3	68.3





#9
Benzaldehyde
Concen: 27.998 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141762.D
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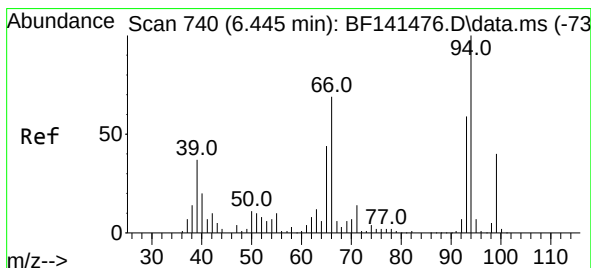
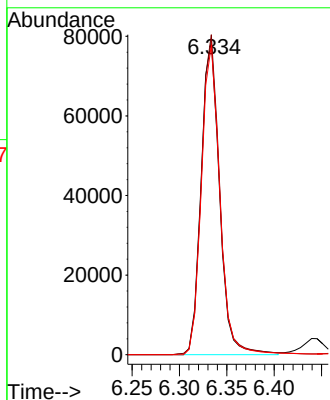
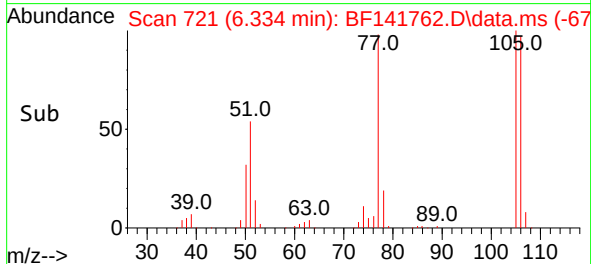
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Tgt Ion: 77 Resp: 10650
Ion Ratio Lower Upper
77 100
105 102.0 79.4 119.4
106 98.7 75.1 115.1

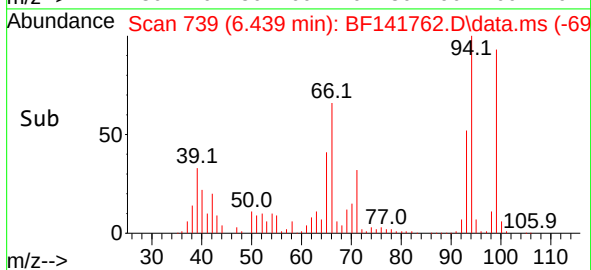
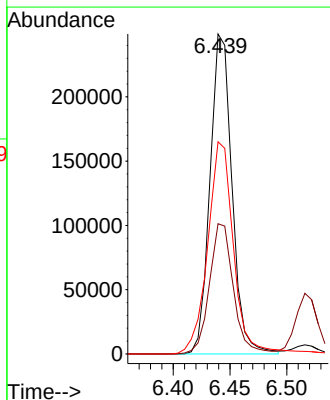
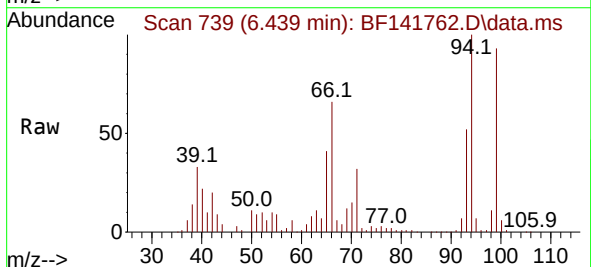
Manual Integrations
APPROVED

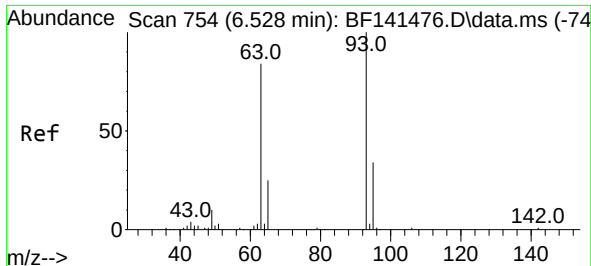
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#10
Phenol
Concen: 45.023 ng
RT: 6.439 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

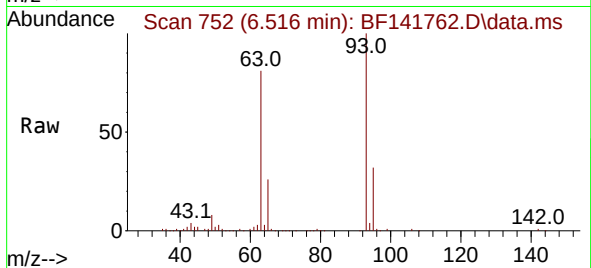
Tgt Ion: 94 Resp: 335449
Ion Ratio Lower Upper
94 100
65 40.7 23.7 63.7
66 66.3 49.3 89.3





#11
bis(2-Chloroethyl)ether
Concen: 44.364 ng
RT: 6.516 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

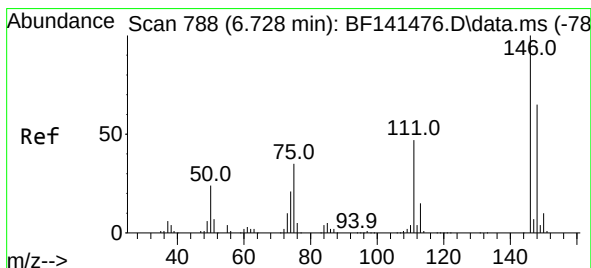
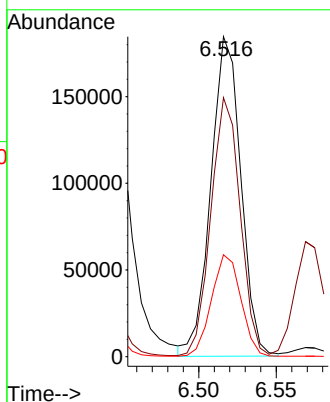
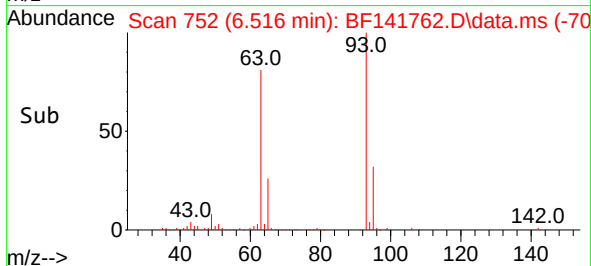
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion: 93 Resp: 248270
Ion Ratio Lower Upper
93 100
63 80.9 62.0 102.0
95 31.9 12.6 52.6

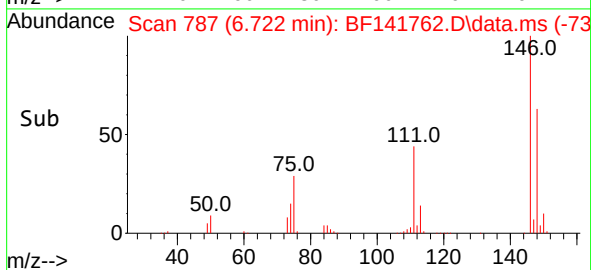
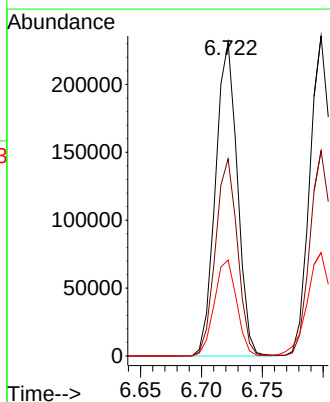
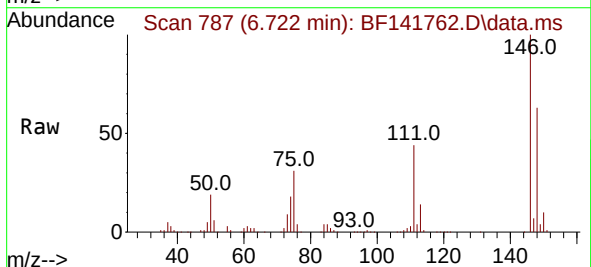
Manual Integrations
APPROVED

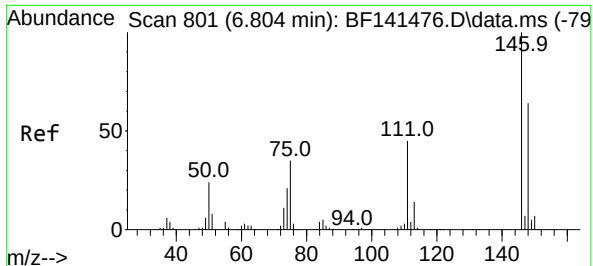
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#12
1,3-Dichlorobenzene
Concen: 44.759 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion:146 Resp: 289182
Ion Ratio Lower Upper
146 100
148 62.8 51.9 77.9
75 30.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 44.424 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS

Tgt Ion:146 Resp: 29324

Ion Ratio Lower Upper

146 100

148 64.1 50.9 76.3

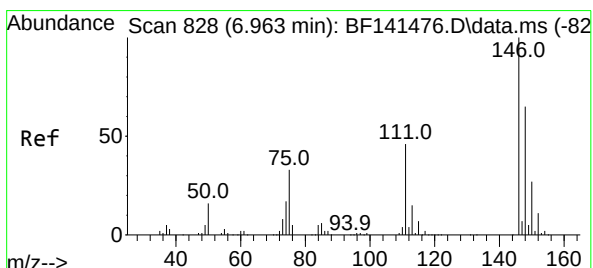
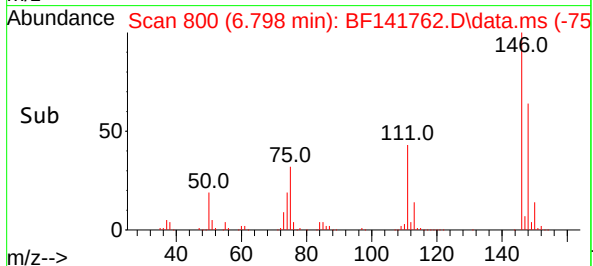
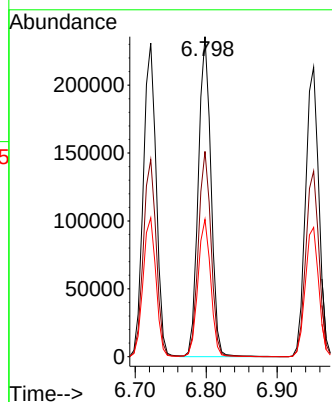
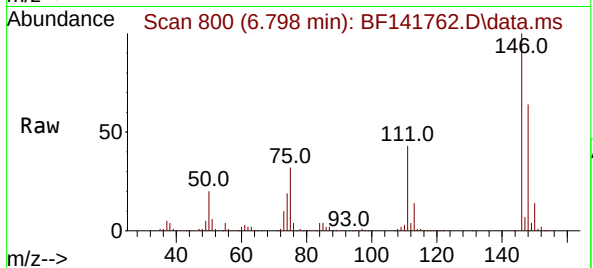
111 42.9 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 45.248 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.012 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

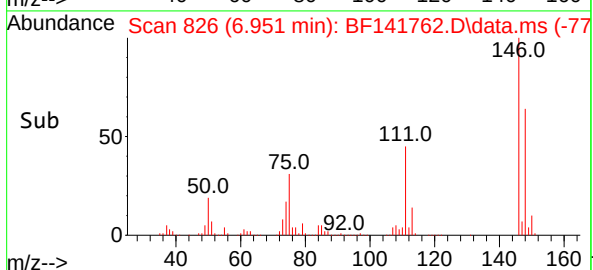
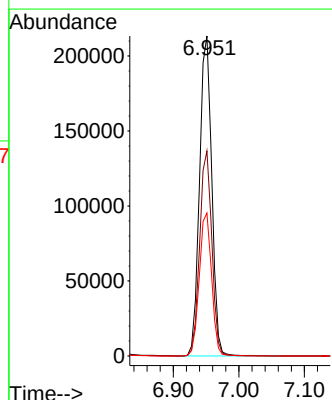
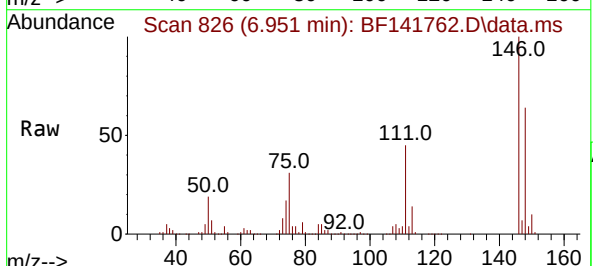
Tgt Ion:146 Resp: 277220

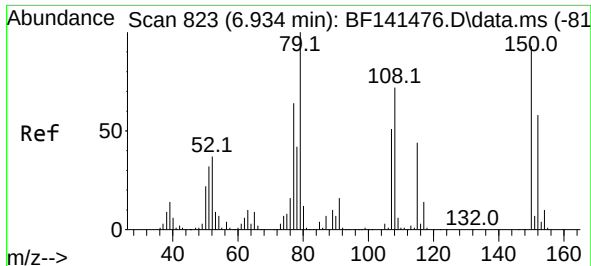
Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.6

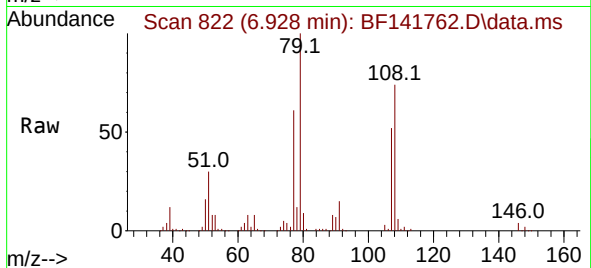
111 44.6 37.0 55.4





#15
Benzyl Alcohol
Concen: 42.993 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

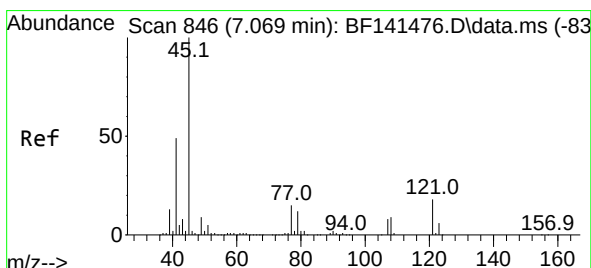
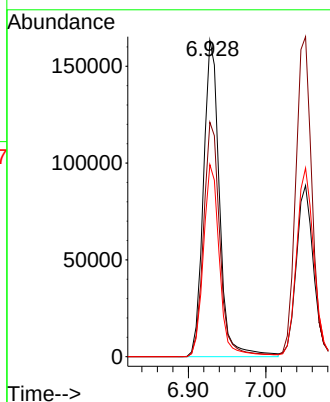
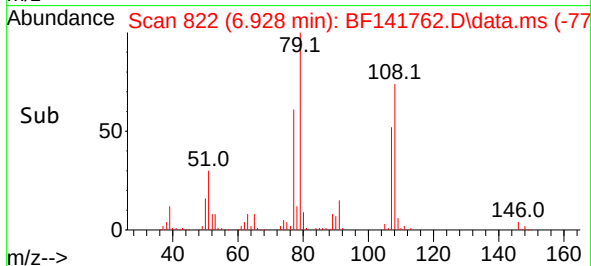
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion: 79 Resp: 236000
Ion Ratio Lower Upper
79 100
108 74.1 57.4 86.2
77 60.8 50.9 76.3

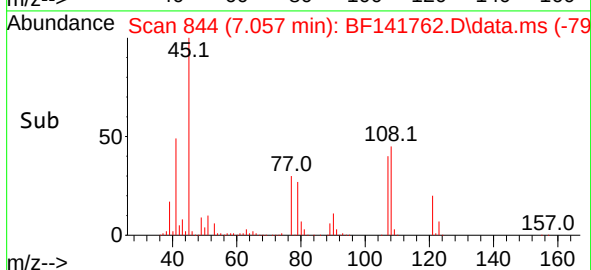
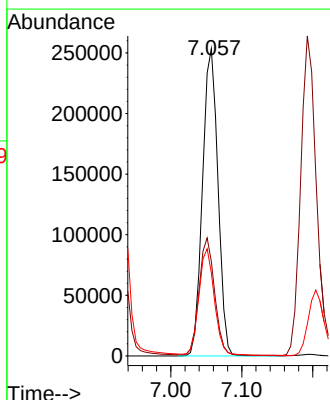
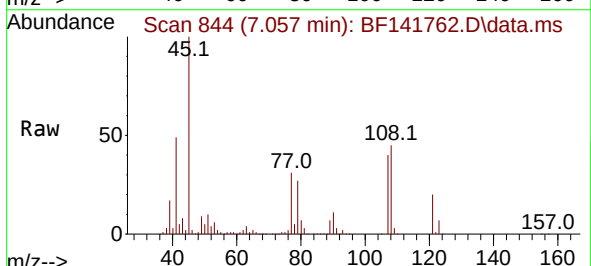
Manual Integrations
APPROVED

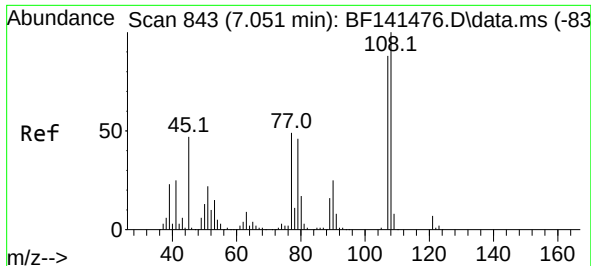
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.037 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

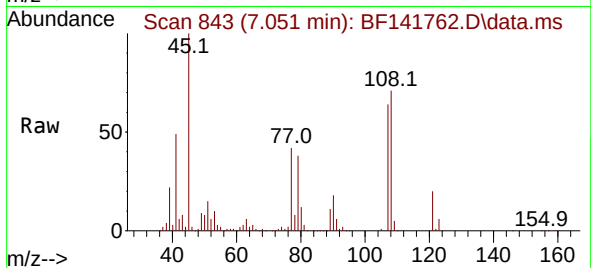
Tgt Ion: 45 Resp: 383534
Ion Ratio Lower Upper
45 100
77 30.8 0.0 35.8
79 27.1 0.0 32.7





#17
2-Methylphenol
Concen: 44.722 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

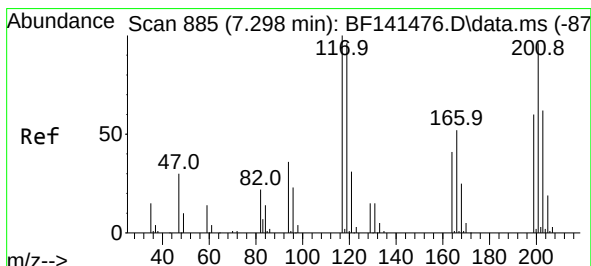
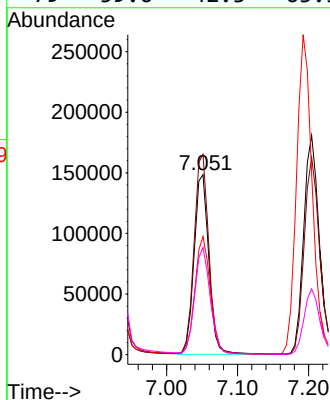
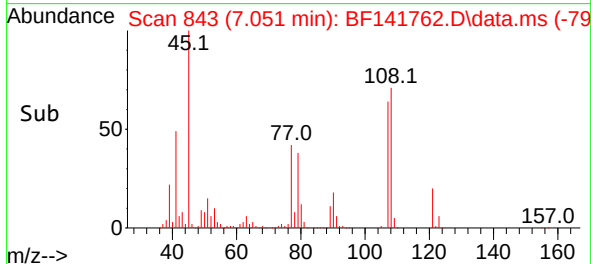
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:107 Resp: 214180
Ion Ratio Lower Upper
107 100
108 111.3 90.6 136.0
77 65.6 44.4 66.6
79 59.6 42.3 63.5

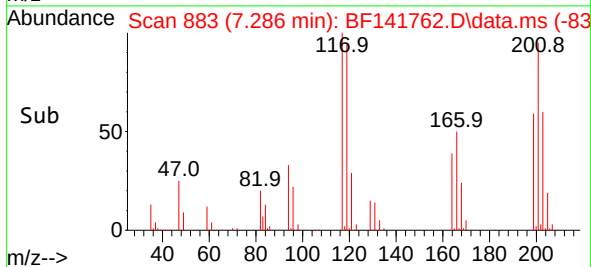
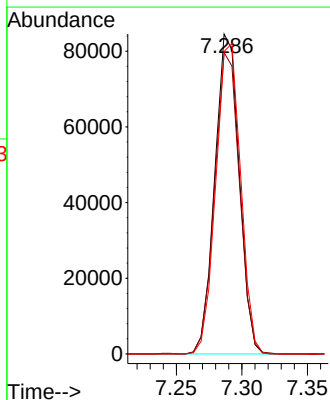
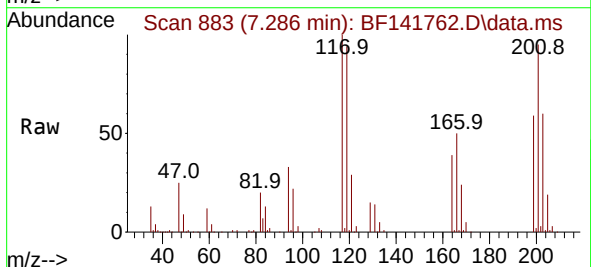
Manual Integrations
APPROVED

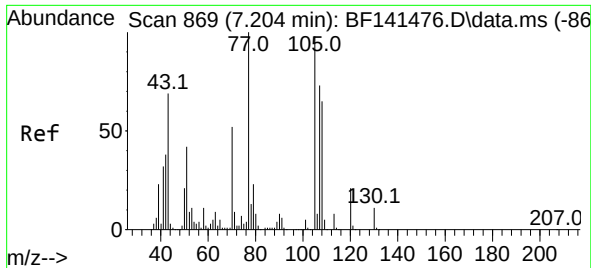
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#18
Hexachloroethane
Concen: 44.778 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

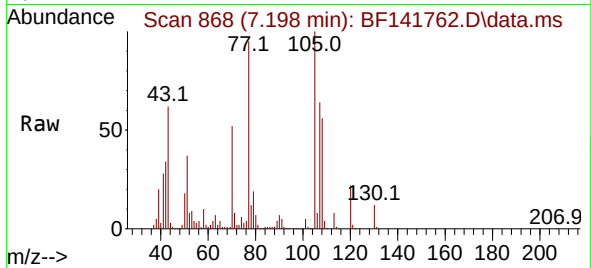
Tgt Ion:117 Resp: 109393
Ion Ratio Lower Upper
117 100
119 94.2 76.5 114.7
201 94.6 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 43.171 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

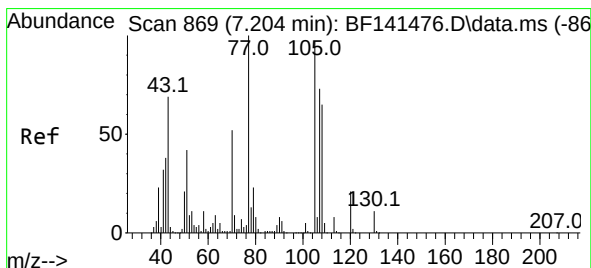
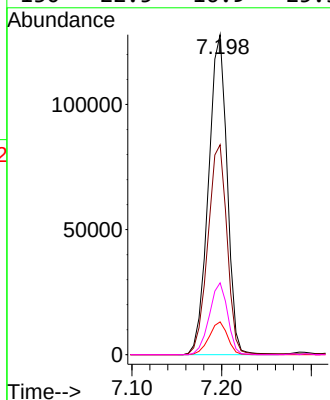
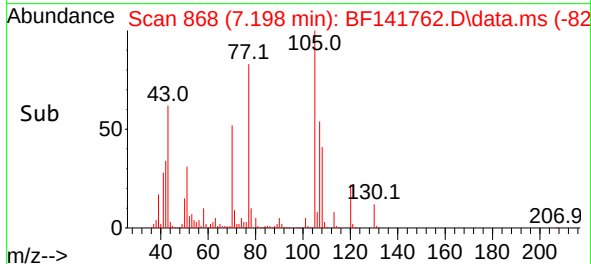
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



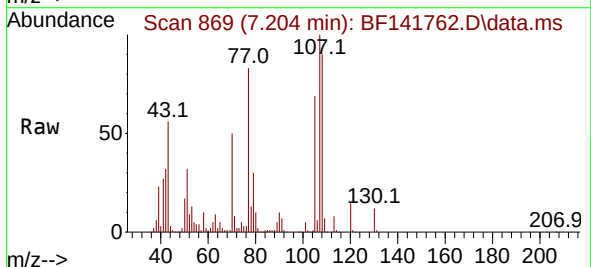
Tgt Ion: 70 Resp: 18485
Ion Ratio Lower Upper
70 100
42 65.6 57.4 86.2
101 10.2 8.0 12.0
130 22.5 16.9 25.3

Manual Integrations
APPROVED

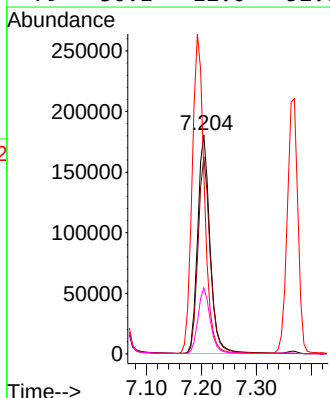
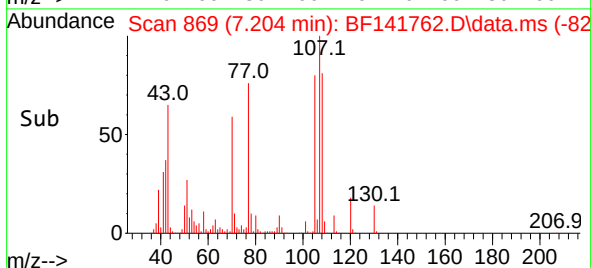
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

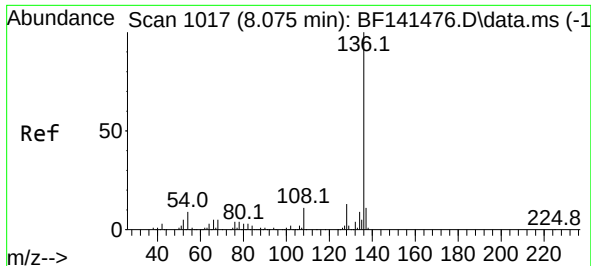


#20
3+4-Methylphenols
Concen: 46.391 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



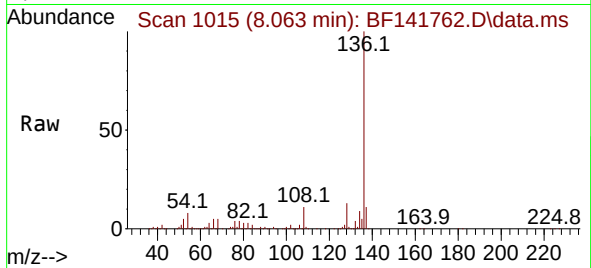
Tgt Ion:107 Resp: 282352
Ion Ratio Lower Upper
107 100
108 89.9 68.5 108.5
77 82.7 116.5 156.5#
79 30.1 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

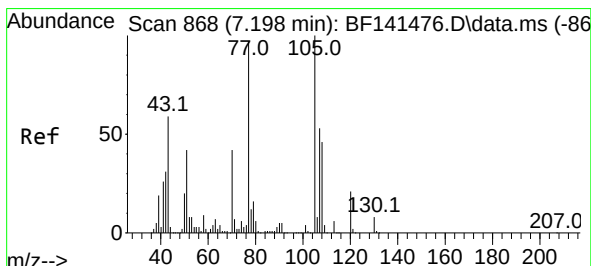
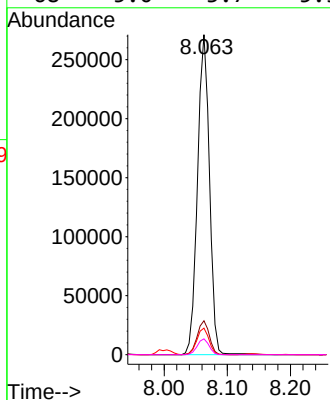
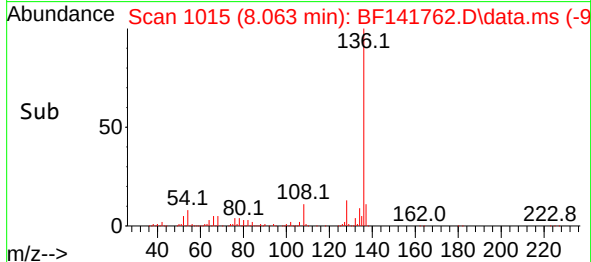
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



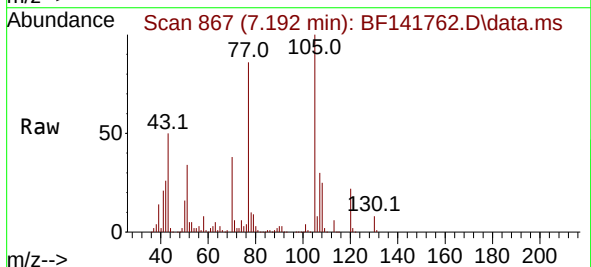
Tgt Ion:136 Resp: 356048
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.3 7.2 10.8
68 5.0 3.7 5.5

Manual Integrations
APPROVED

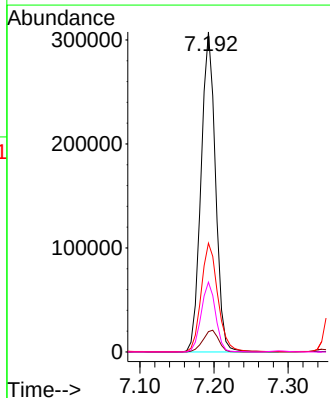
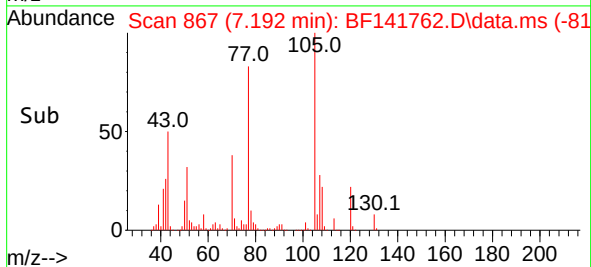
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

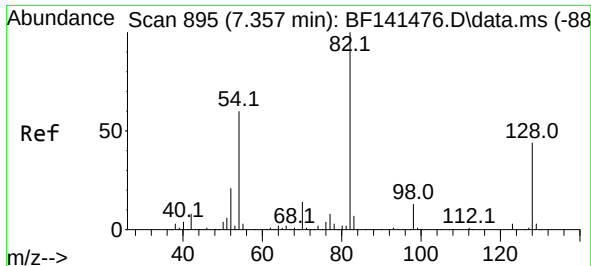


#22
Acetophenone
Concen: 47.093 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



Tgt Ion:105 Resp: 417099
Ion Ratio Lower Upper
105 100
71 6.3 5.7 8.5
51 34.0 33.7 50.5
120 21.8 17.0 25.6





#23

Nitrobenzene-d5

Concen: 65.287 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141762.D

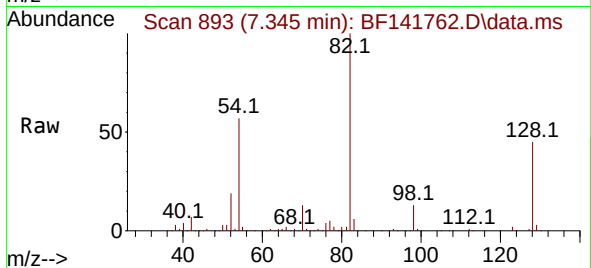
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



Tgt Ion: 82 Resp: 445670

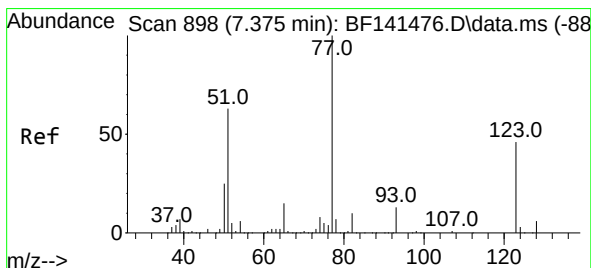
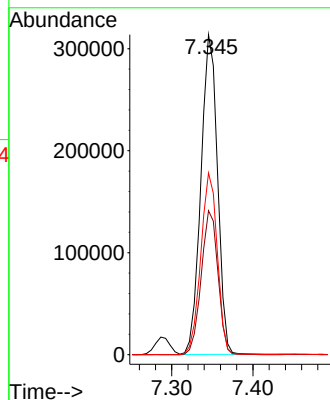
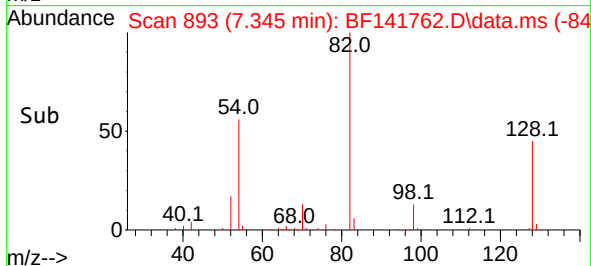
Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.8	52.2
54	56.8	48.2	72.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#24

Nitrobenzene

Concen: 42.461 ng

RT: 7.369 min Scan# 897

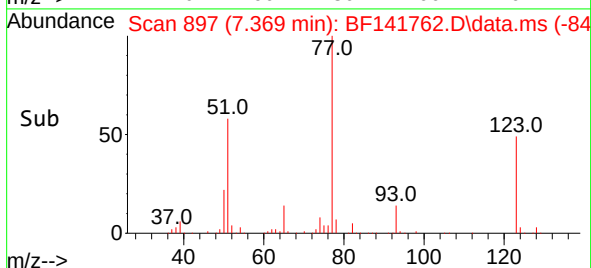
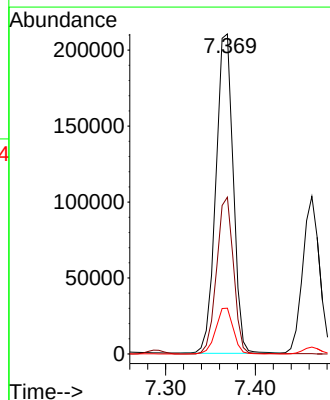
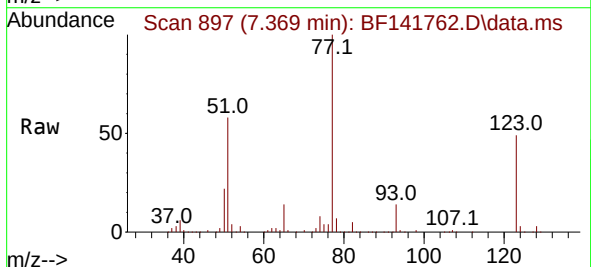
Delta R.T. -0.012 min

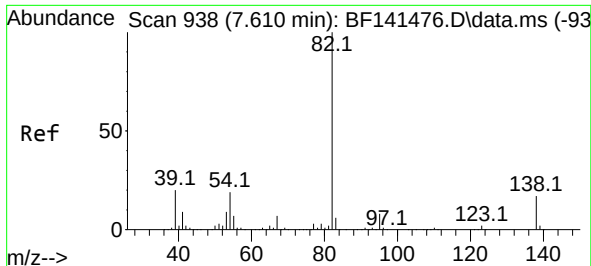
Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Tgt Ion: 77 Resp: 282638

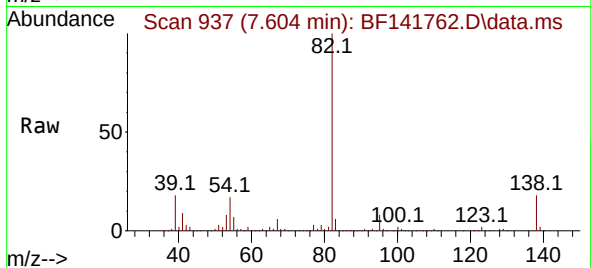
Ion	Ratio	Lower	Upper
77	100		
123	49.0	36.9	55.3
65	14.3	11.9	17.9





#25
Isophorone
Concen: 46.118 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

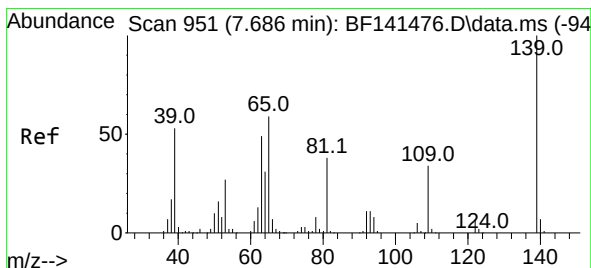
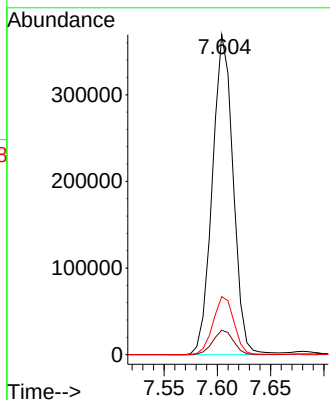
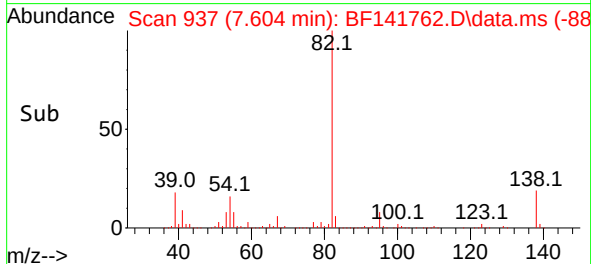
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion: 82 Resp: 501969
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 18.1 13.9 20.9

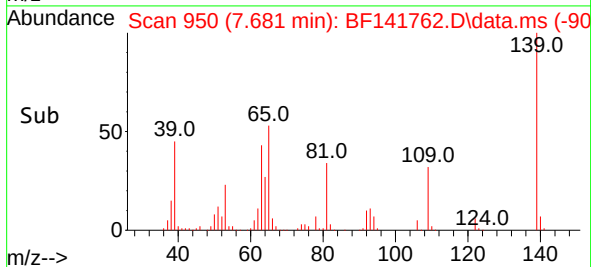
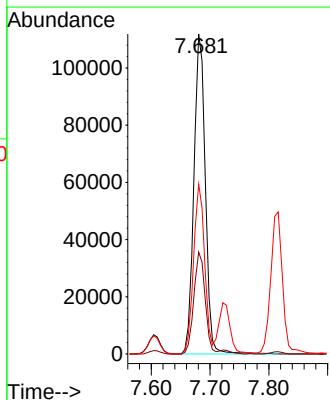
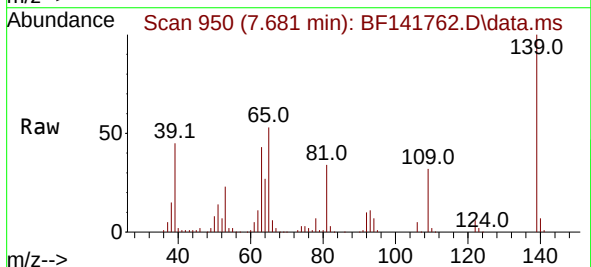
Manual Integrations
APPROVED

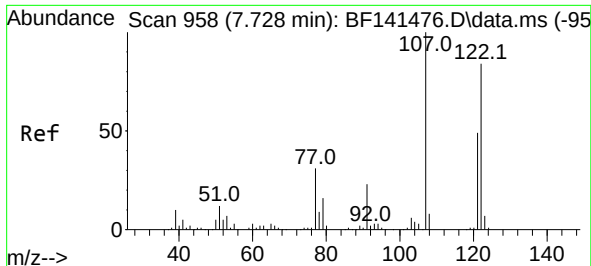
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#26
2-Nitrophenol
Concen: 45.723 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

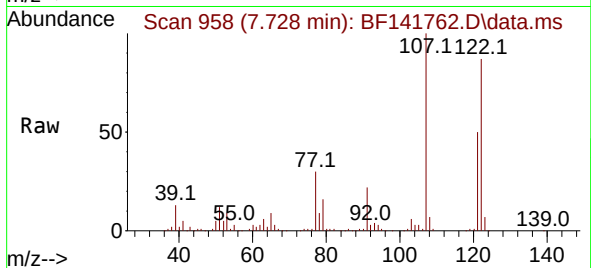
Tgt Ion:139 Resp: 151422
Ion Ratio Lower Upper
139 100
109 31.9 27.0 40.6
65 53.1 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 56.646 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

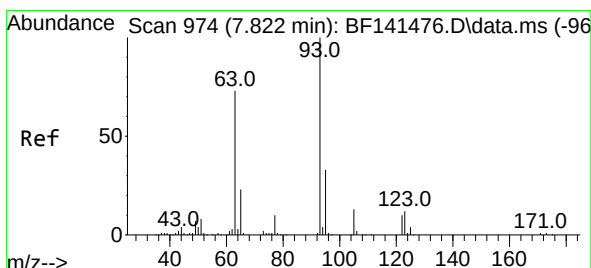
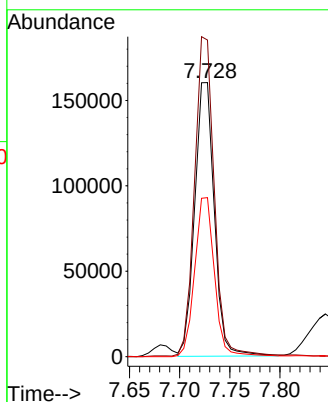
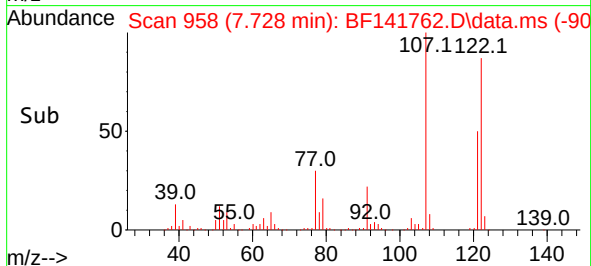
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:122 Resp: 21915
Ion Ratio Lower Upper
122 100
107 115.5 94.3 141.5
121 58.0 46.0 69.0

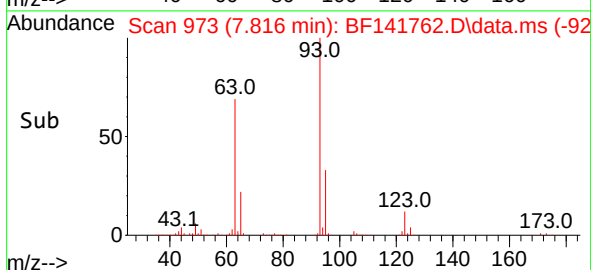
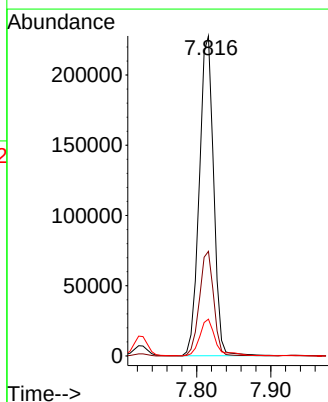
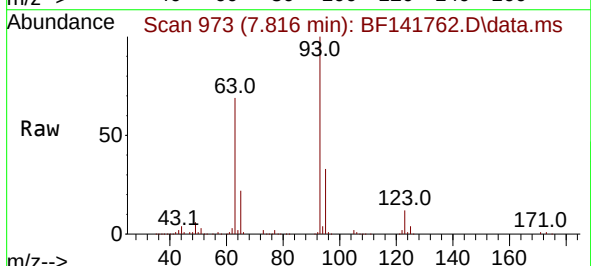
Manual Integrations
APPROVED

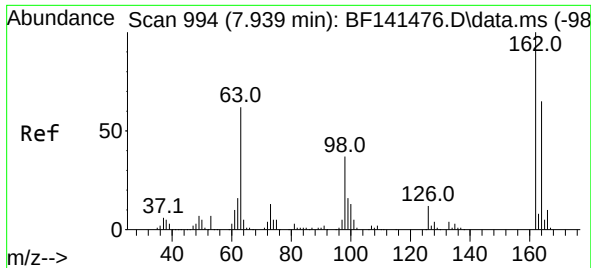
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#28
bis(2-Chloroethoxy)methane
Concen: 43.979 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 93 Resp: 306733
Ion Ratio Lower Upper
93 100
95 32.7 26.1 39.1
123 11.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 43.575 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141762.D

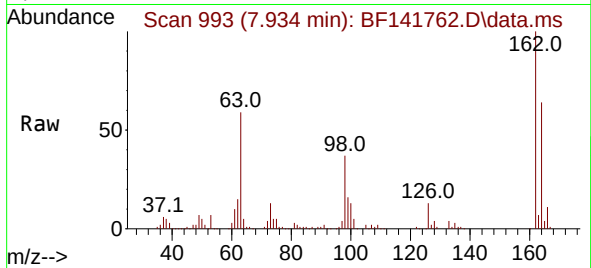
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



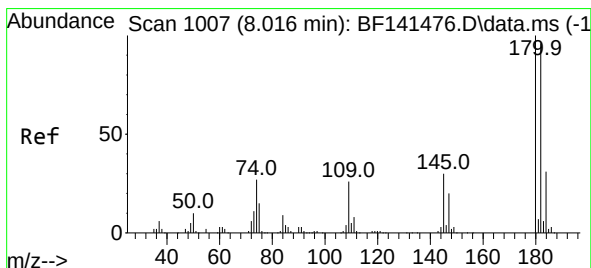
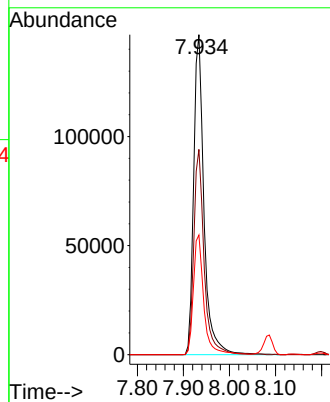
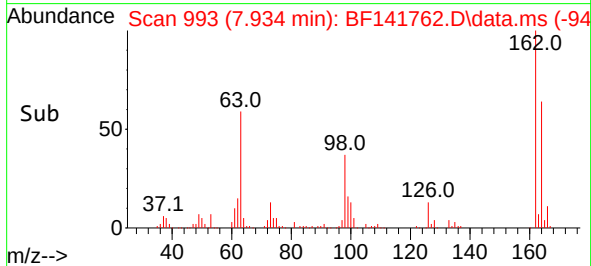
Tgt Ion:	162	Resp:	227778
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.6	84.6
98	37.4	17.2	57.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.178 ng

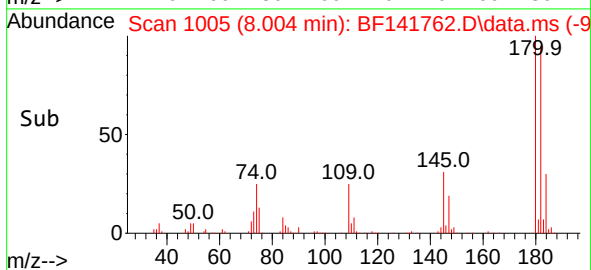
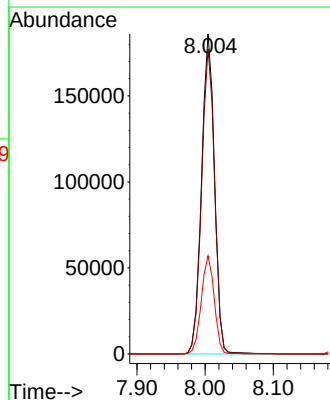
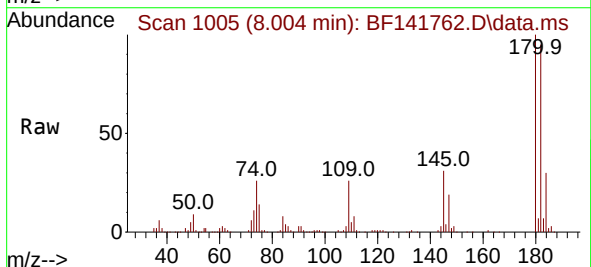
RT: 8.004 min Scan# 1005

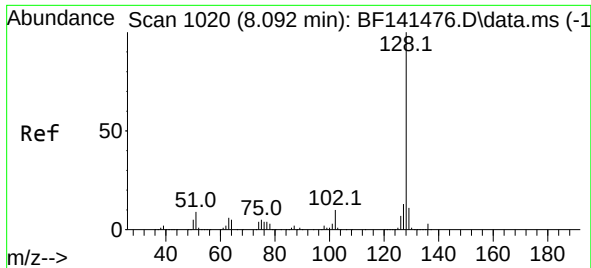
Delta R.T. -0.012 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

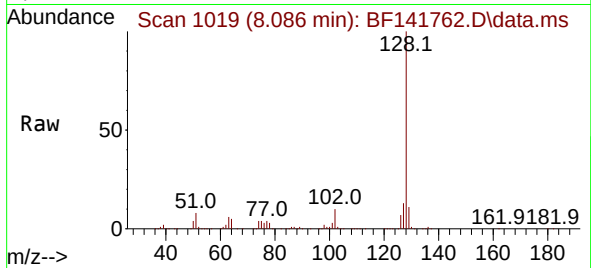
Tgt Ion:	180	Resp:	245784
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.8	115.2
145	30.6	24.2	36.4





#31
Naphthalene
Concen: 42.608 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

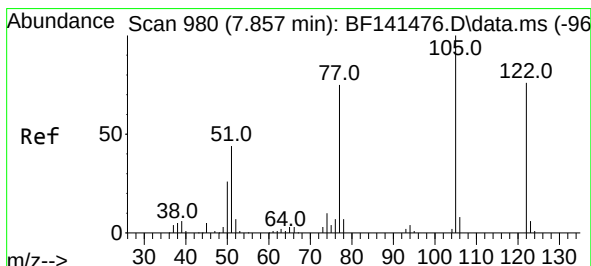
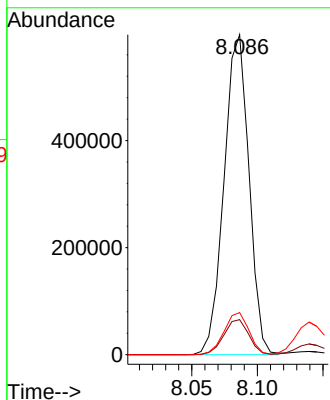
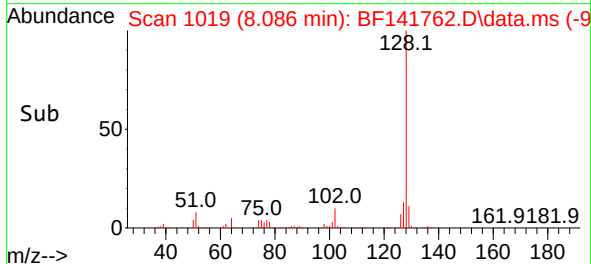
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:128 Resp: 78968
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.7 16.1

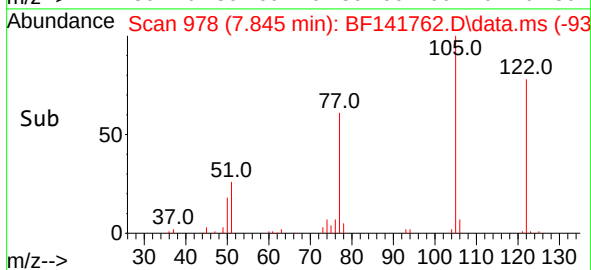
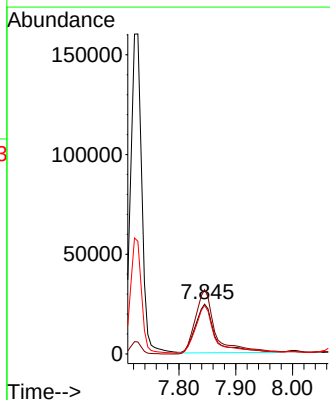
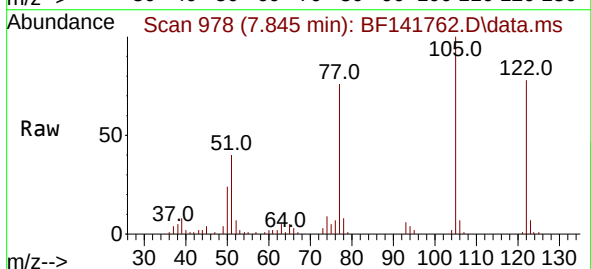
Manual Integrations
APPROVED

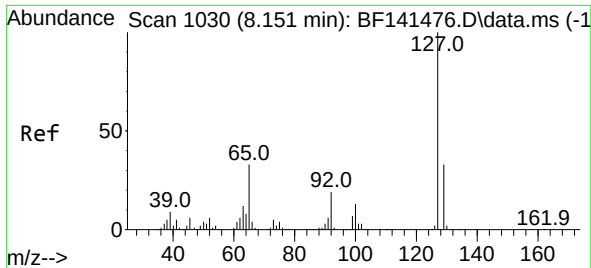
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#32
Benzoic acid
Concen: 14.791 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion:122 Resp: 59439
Ion Ratio Lower Upper
122 100
105 129.0 106.5 146.5
77 97.7 76.3 116.3





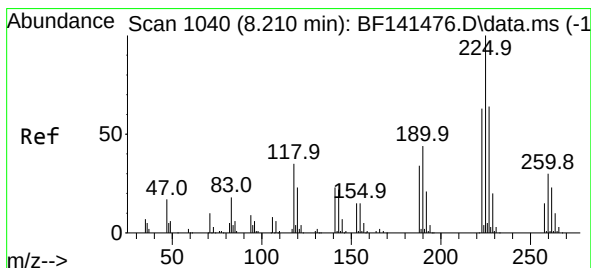
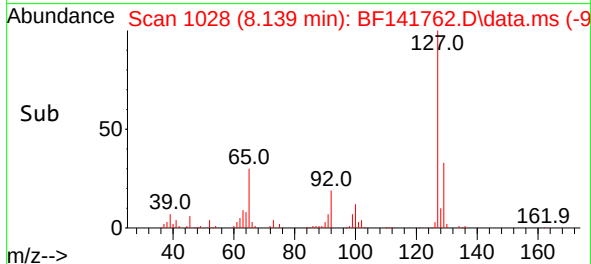
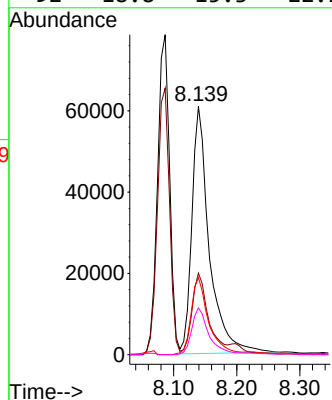
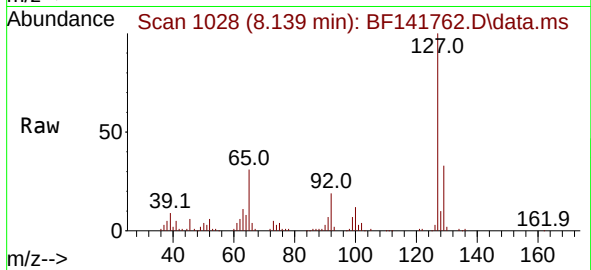
#33
4-Chloroaniline
Concen: 17.961 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS

Tgt Ion:	127	Resp:	11622
Ion Ratio	Lower	Upper	
127	100		
129	32.8	26.5	39.7
65	31.0	26.4	39.6
92	18.8	15.3	22.9

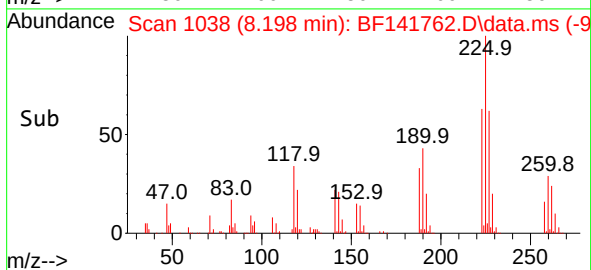
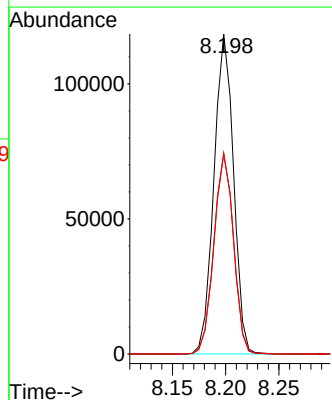
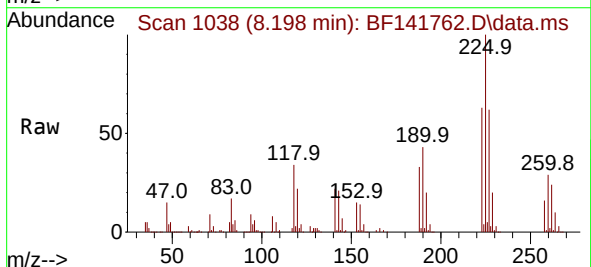
Manual Integrations
APPROVED

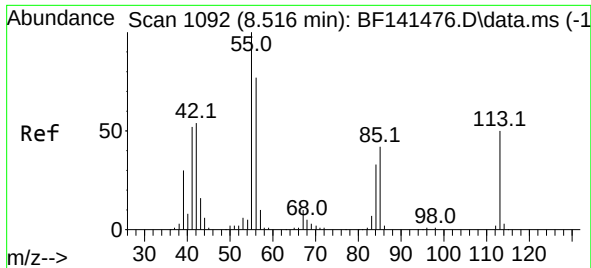
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#34
Hexachlorobutadiene
Concen: 44.209 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

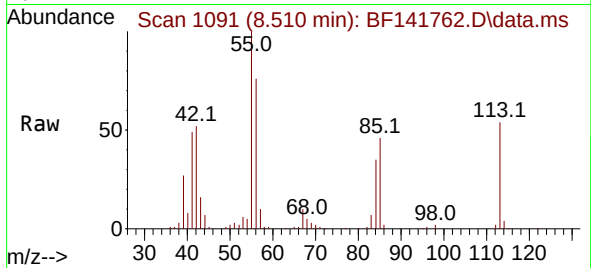
Tgt Ion:	225	Resp:	151076
Ion Ratio	Lower	Upper	
225	100		
223	62.8	50.1	75.1
227	62.3	51.0	76.6





#35
 Caprolactam
 Concen: 47.428 ng m
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141762.D
 Acq: 25 Feb 2025 14:07

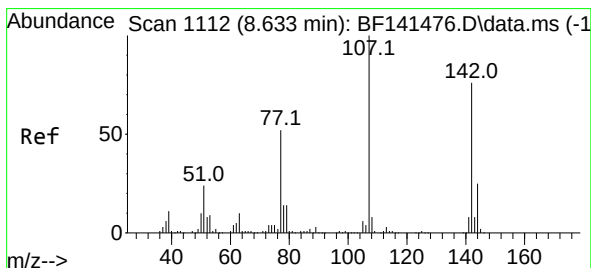
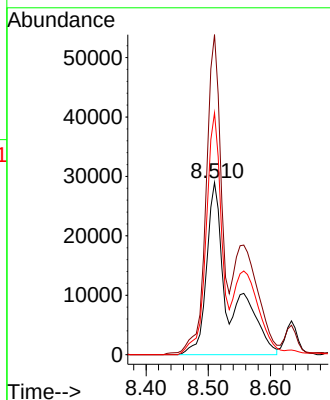
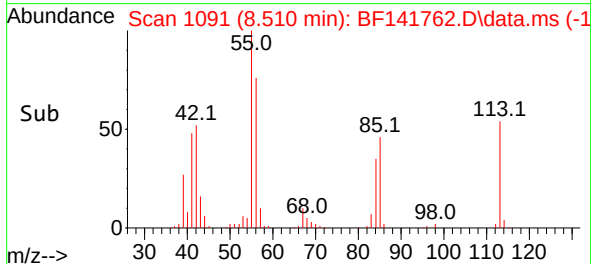
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01MS



Tgt Ion:113 Resp: 75484
 Ion Ratio Lower Upper
 113 100
 55 185.8 180.8 220.8
 56 140.4 133.6 173.6

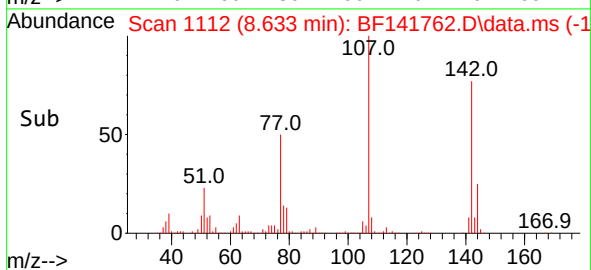
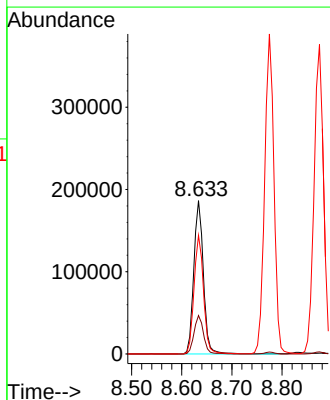
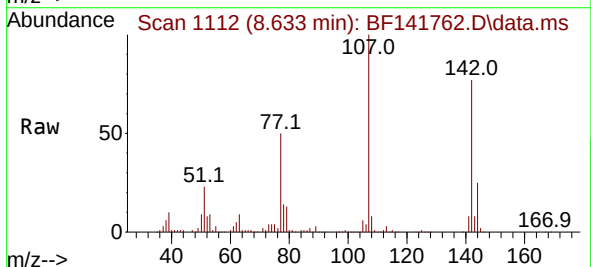
Manual Integrations
 APPROVED

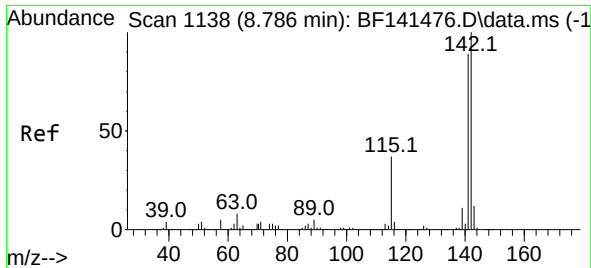
Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025



#36
 4-Chloro-3-methylphenol
 Concen: 42.743 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141762.D
 Acq: 25 Feb 2025 14:07

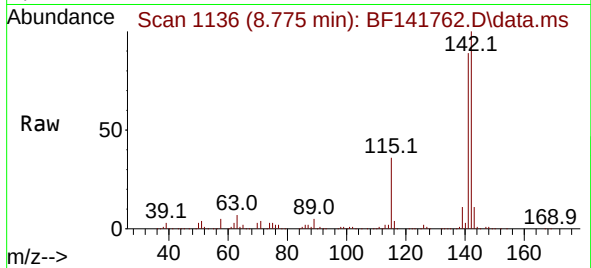
Tgt Ion:107 Resp: 247497
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.7 29.5
 142 77.4 60.8 91.2





#37
2-Methylnaphthalene
Concen: 41.562 ng
RT: 8.775 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

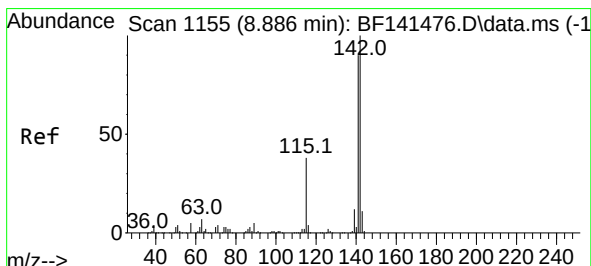
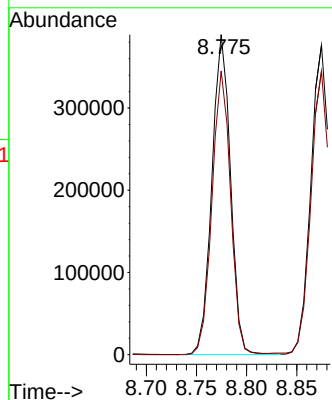
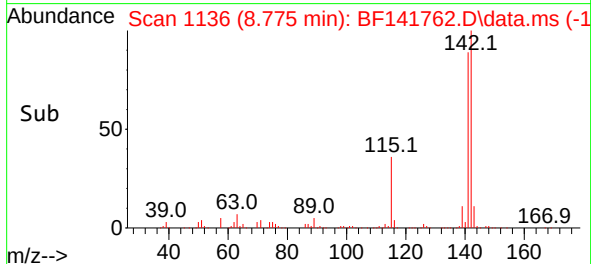
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:142 Resp: 50125
Ion Ratio Lower Upper
142 100
141 88.6 71.2 106.8

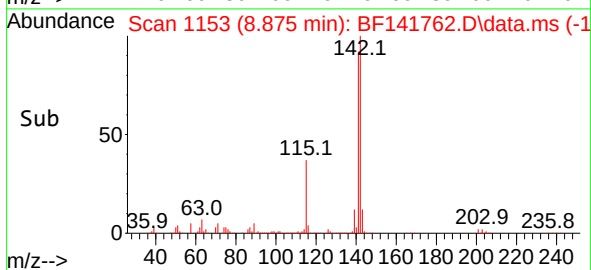
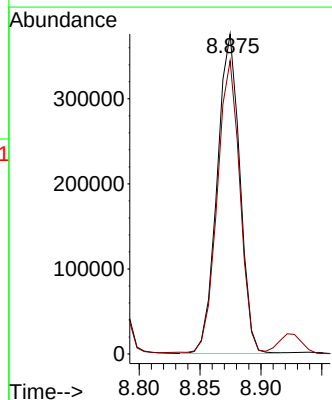
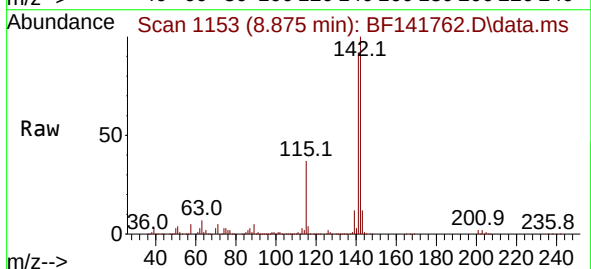
Manual Integrations
APPROVED

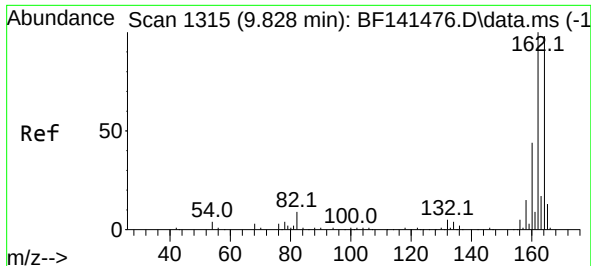
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#38
1-Methylnaphthalene
Concen: 41.703 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

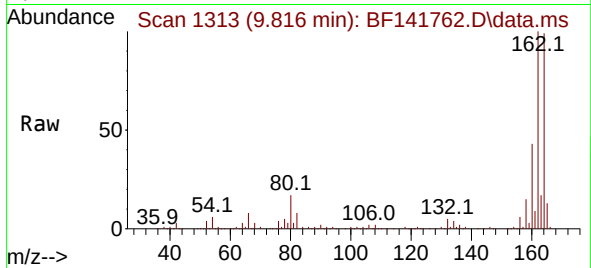
Tgt Ion:142 Resp: 487134
Ion Ratio Lower Upper
142 100
141 91.6 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1165
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

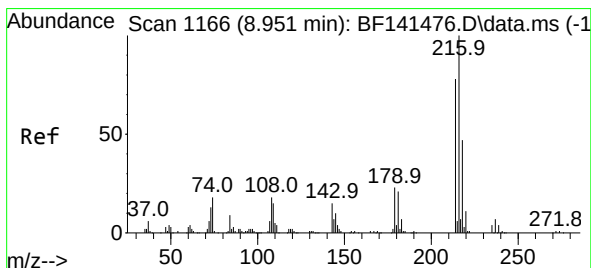
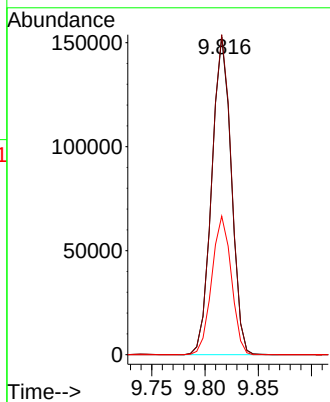
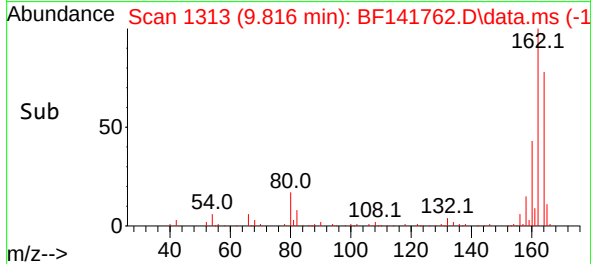
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



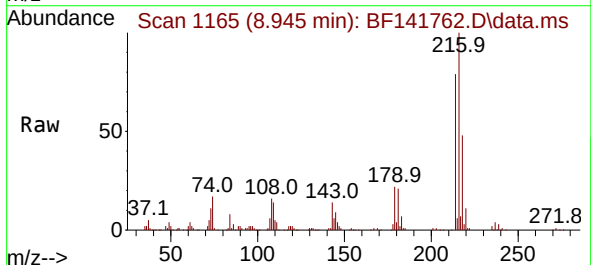
Tgt Ion:164 Resp: 194554
Ion Ratio Lower Upper
164 100
162 100.8 81.3 121.9
160 43.6 35.9 53.9

Manual Integrations
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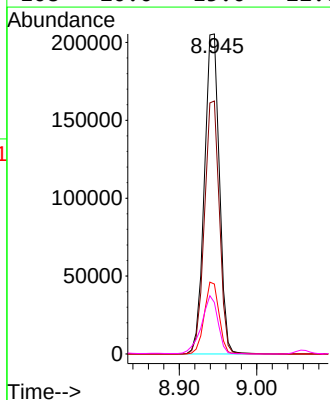
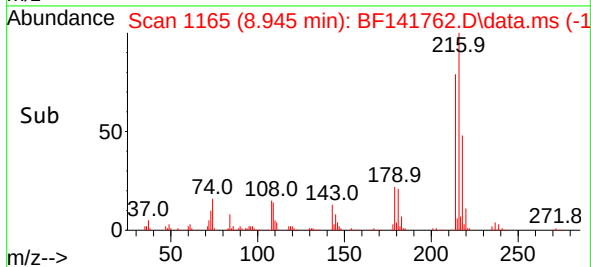
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

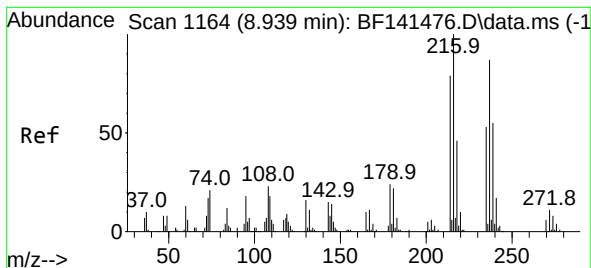


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.007 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



Tgt Ion:216 Resp: 275848
Ion Ratio Lower Upper
216 100
214 78.6 62.3 93.5
179 22.1 18.0 27.0
108 20.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 130.391 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

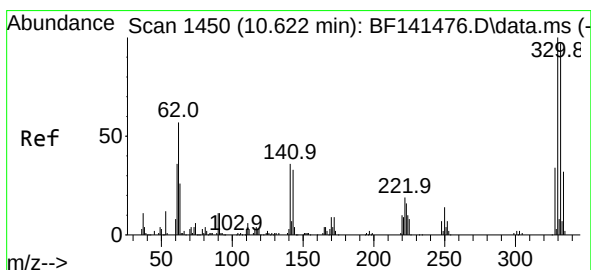
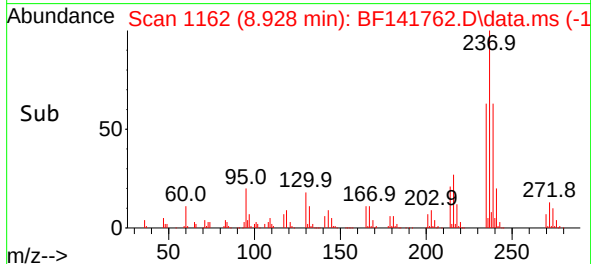
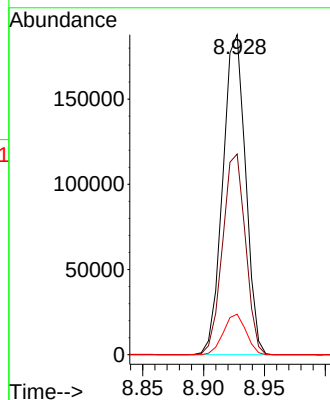
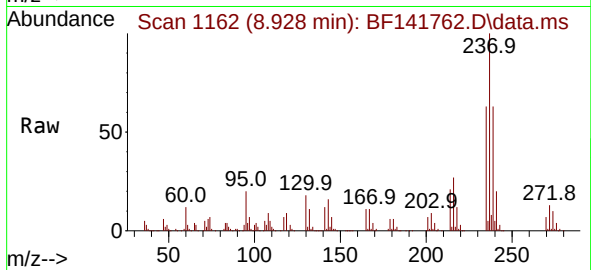
P001-CLAY-CF01-01MS

Tgt Ion:237	Resp: 24411
Ion Ratio	Lower Upper
237 100	
235 62.7	41.4 81.4
272 12.6	0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#42

2,4,6-Tribromophenol

Concen: 94.150 ng

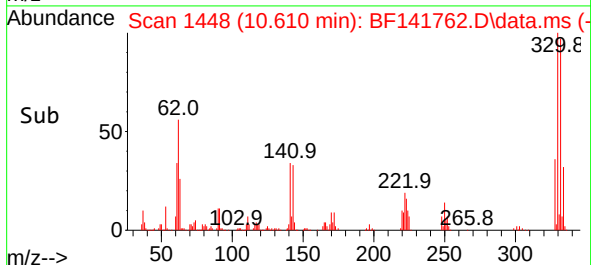
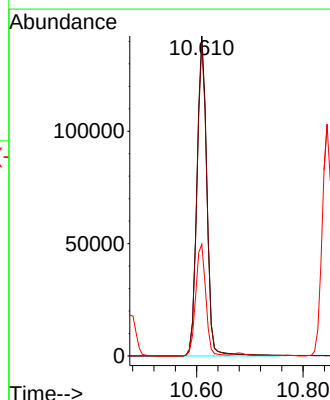
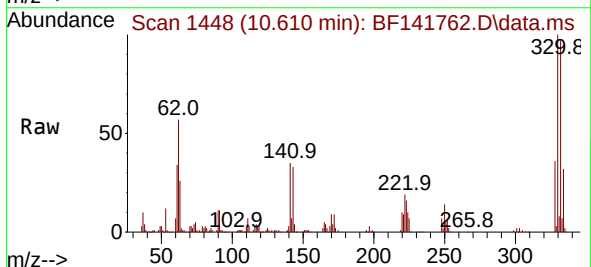
RT: 10.610 min Scan# 1448

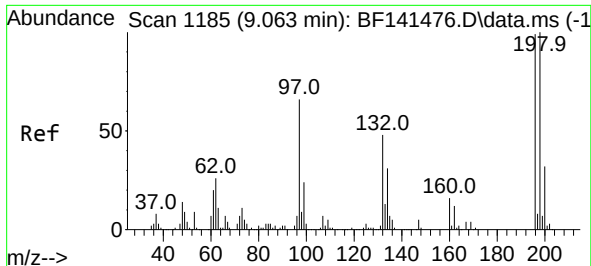
Delta R.T. -0.018 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

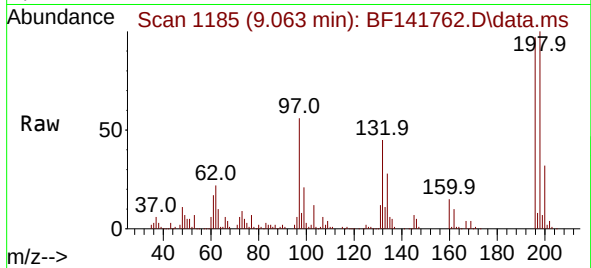
Tgt Ion:330	Resp: 184005
Ion Ratio	Lower Upper
330 100	
332 97.3	78.5 117.7
141 35.5	31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 43.266 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

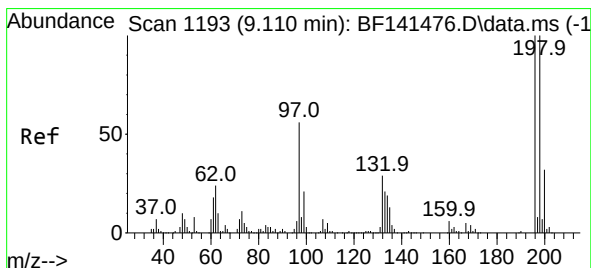
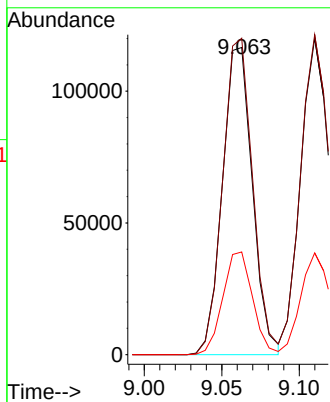
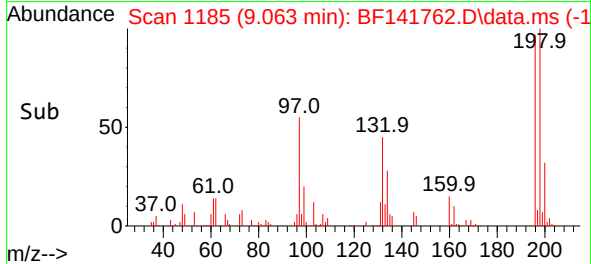
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



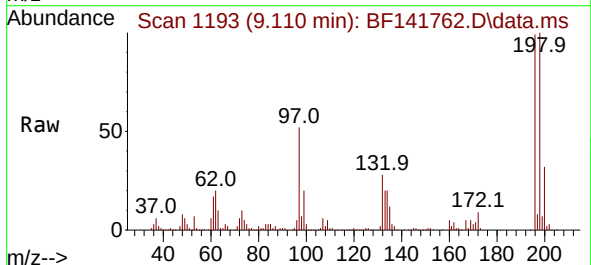
Tgt Ion:196 Resp: 157390
Ion Ratio Lower Upper
196 100
198 103.0 80.6 121.0
200 33.5 25.5 38.3

Manual Integrations
APPROVED

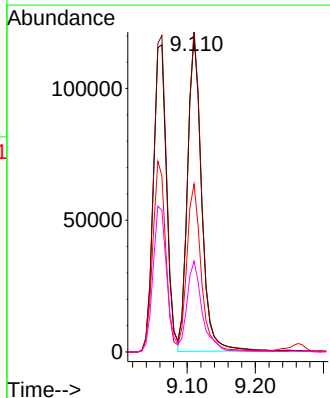
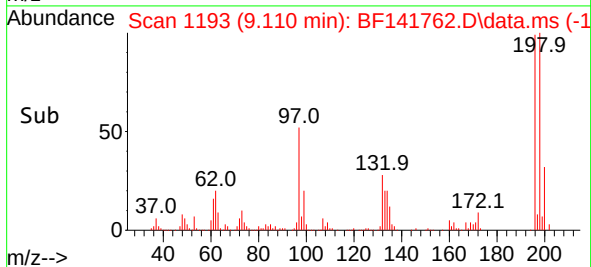
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

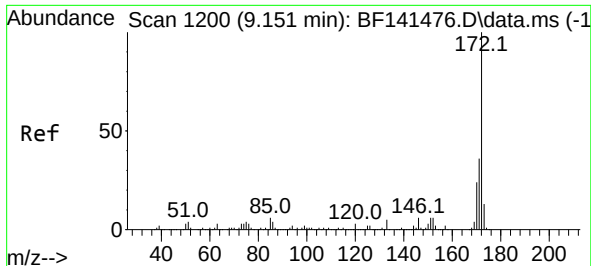


#44
2,4,5-Trichlorophenol
Concen: 42.997 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



Tgt Ion:196 Resp: 169521
Ion Ratio Lower Upper
196 100
198 101.1 79.8 119.8
97 53.0 44.8 67.2
132 28.7 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 69.210 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141762.D

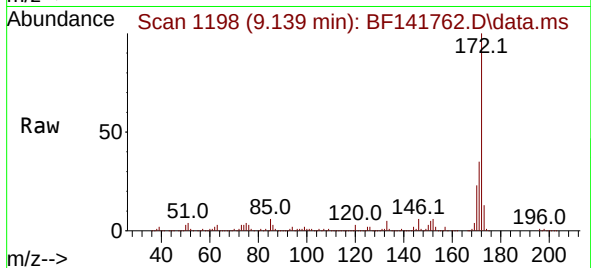
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS

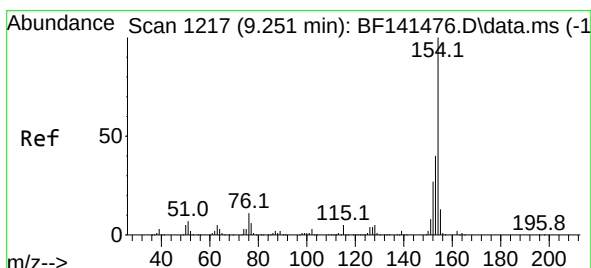
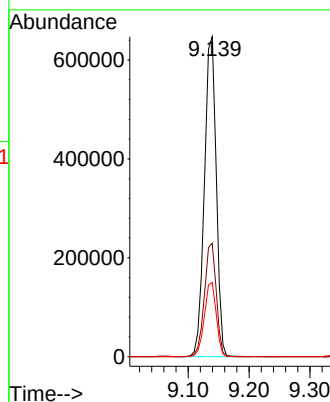
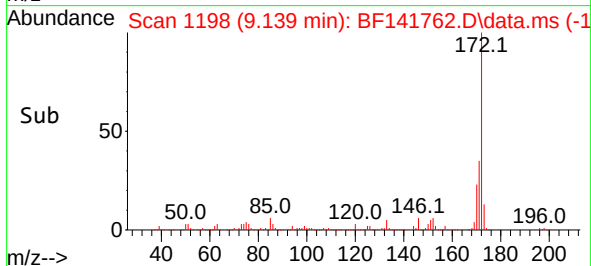


Tgt Ion:	172	Resp:	87399
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.7	43.1
170	23.2	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#46

1,1'-Biphenyl

Concen: 48.113 ng

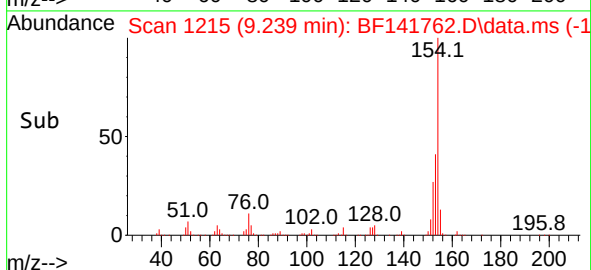
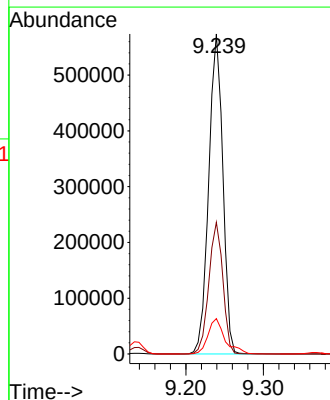
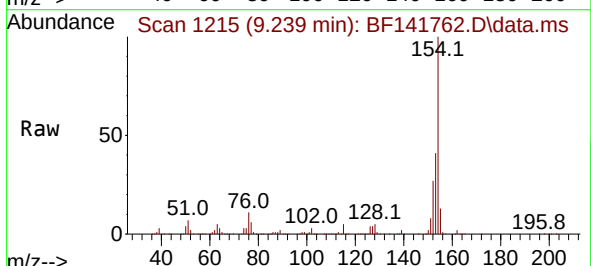
RT: 9.239 min Scan# 1215

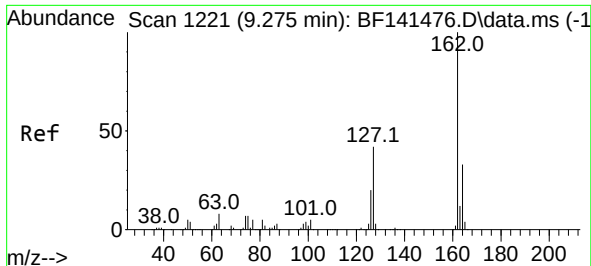
Delta R.T. -0.018 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

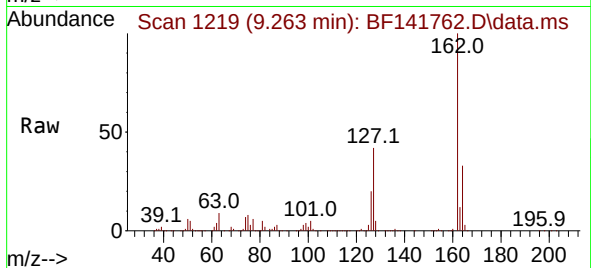
Tgt Ion:	154	Resp:	725705
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.4	60.4
76	11.0	0.0	30.8





#47
2-Chloronaphthalene
Concen: 44.370 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

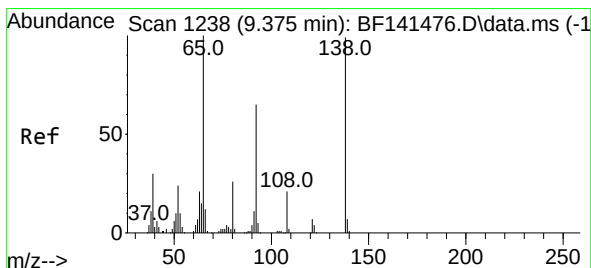
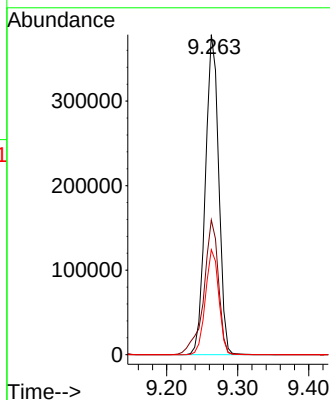
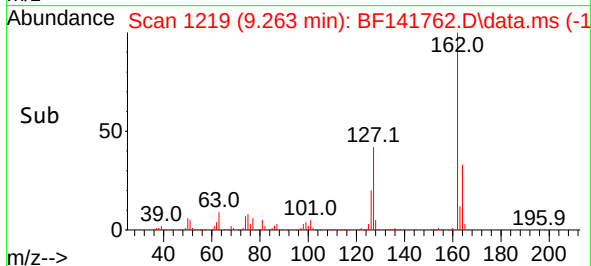
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:162 Resp: 49489
Ion Ratio Lower Upper
162 100
127 42.1 34.1 51.1
164 32.8 26.3 39.5

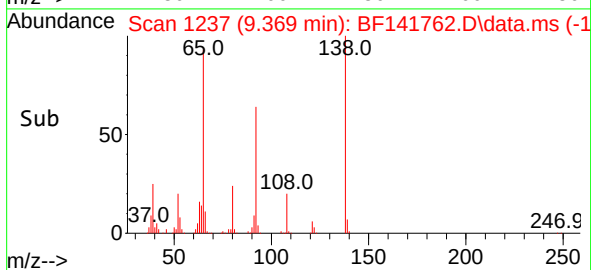
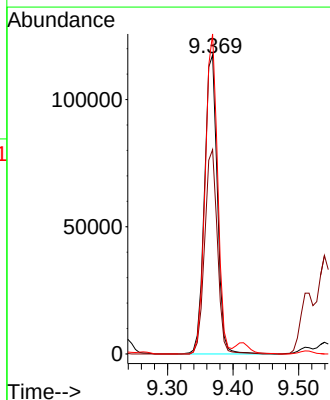
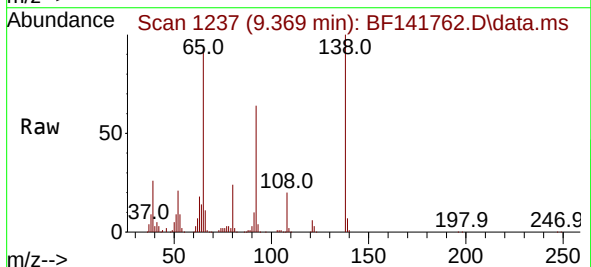
Manual Integrations
APPROVED

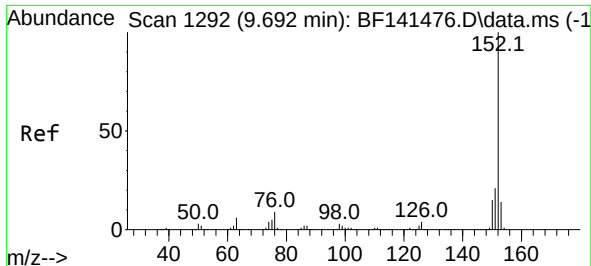
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#48
2-Nitroaniline
Concen: 42.929 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 65 Resp: 160694
Ion Ratio Lower Upper
65 100
92 68.3 52.2 78.2
138 107.0 79.5 119.3





#49

Acenaphthylene

Concen: 45.562 ng

RT: 9.680 min Scan# 1290

Delta R.T. -0.012 min

Lab File: BF141762.D

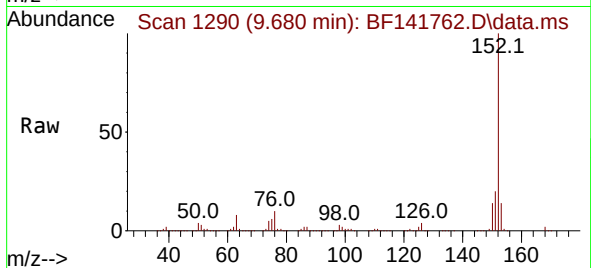
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



Tgt Ion:152 Resp: 75586

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

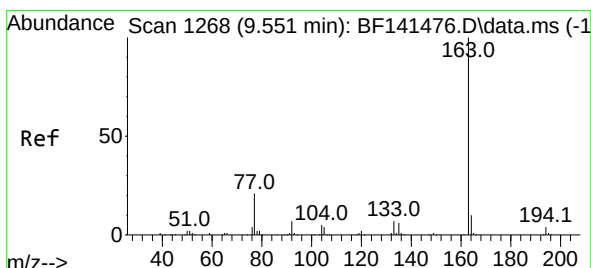
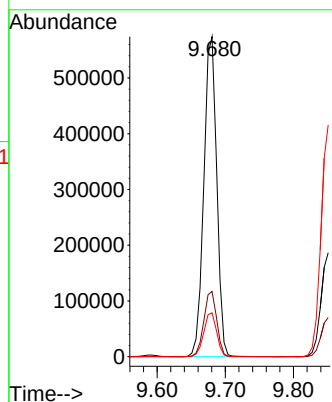
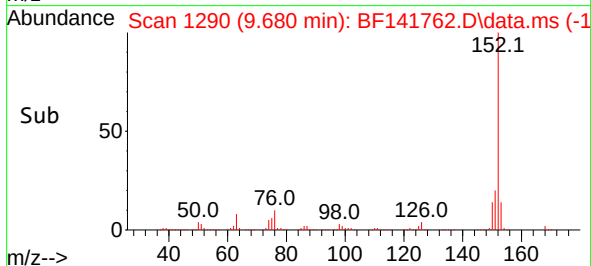
153 13.7 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#50

Dimethylphthalate

Concen: 44.018 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

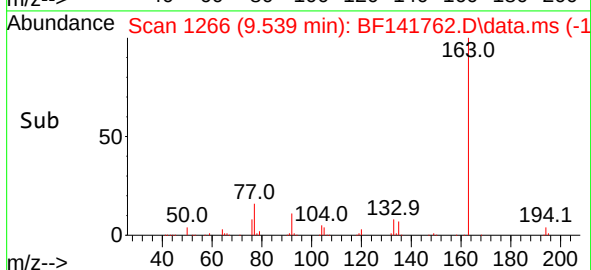
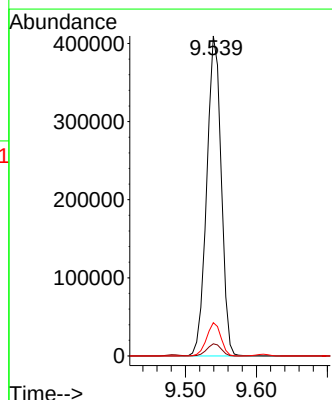
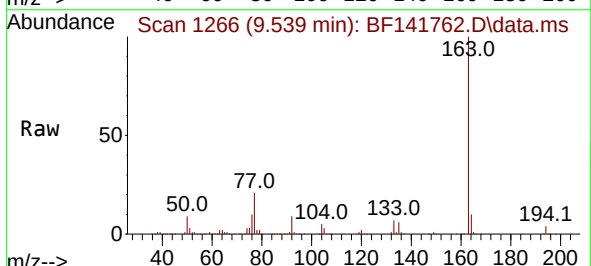
Tgt Ion:163 Resp: 581376

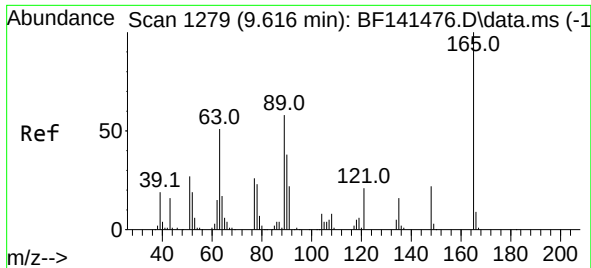
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

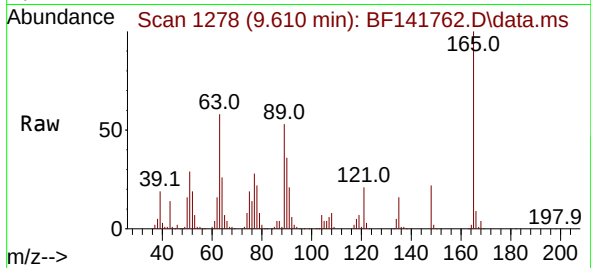
164 10.4 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 44.370 ng
RT: 9.610 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

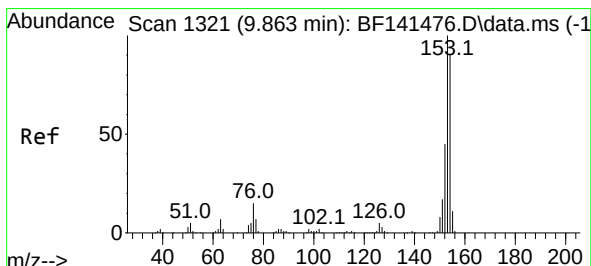
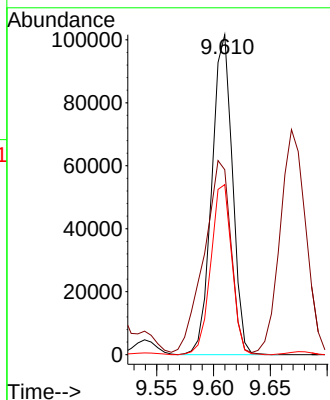
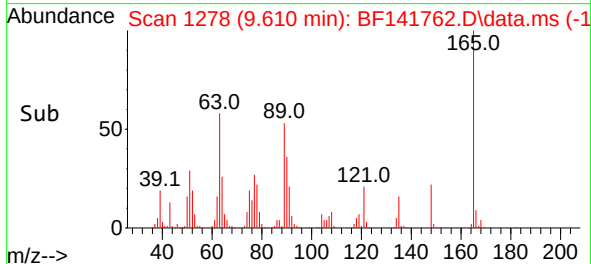
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:165 Resp: 12811
Ion Ratio Lower Upper
165 100
63 57.8 49.4 74.0
89 53.2 46.5 69.7

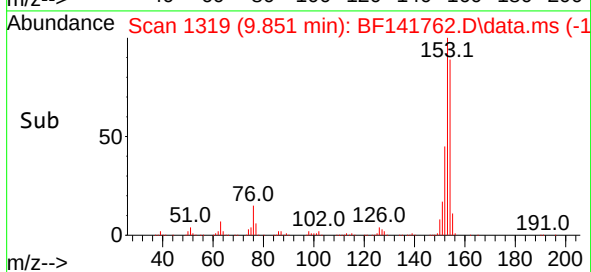
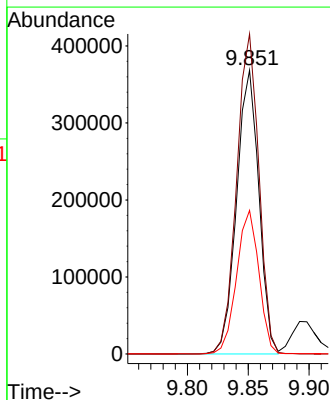
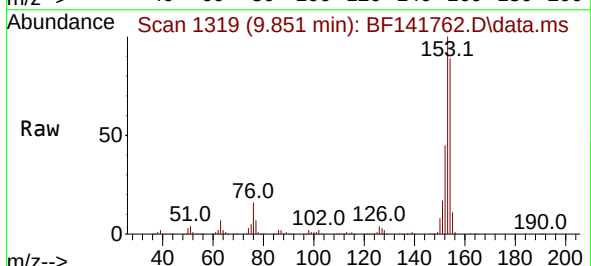
Manual Integrations
APPROVED

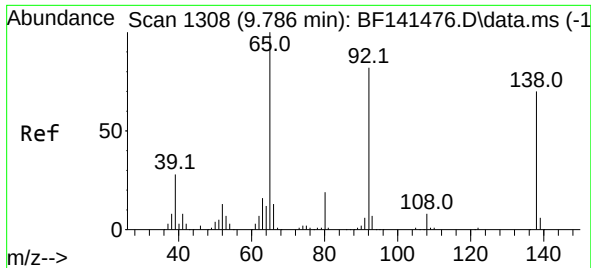
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#52
Acenaphthene
Concen: 42.116 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

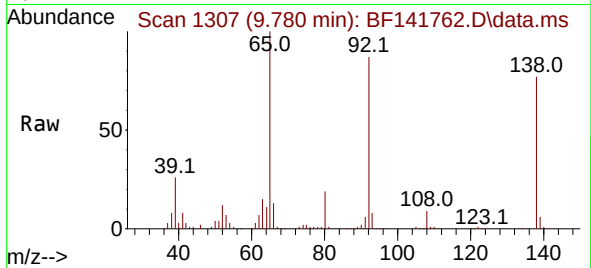
Tgt Ion:154 Resp: 469732
Ion Ratio Lower Upper
154 100
153 112.8 89.2 133.8
152 50.6 39.8 59.8





#53
3-Nitroaniline
Concen: 27.053 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

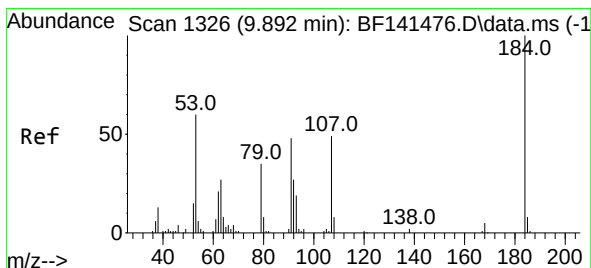
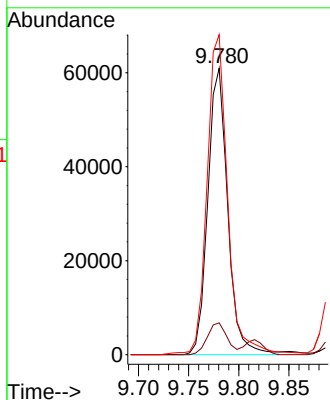
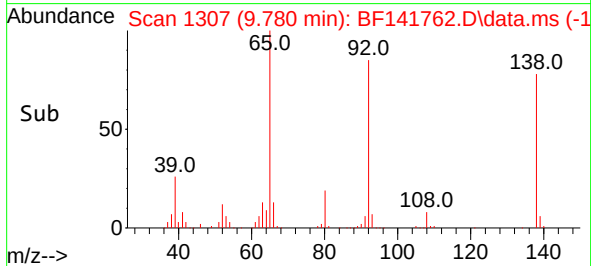
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:138 Resp: 84069
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 111.7 93.7 140.5

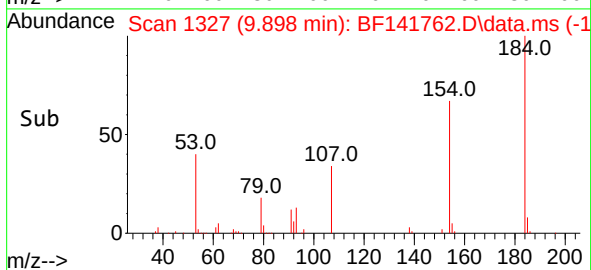
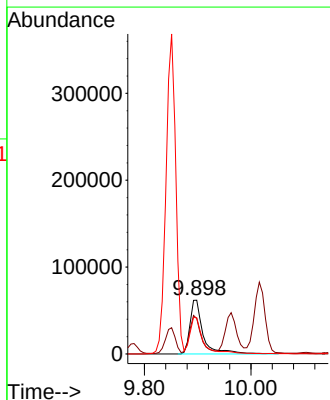
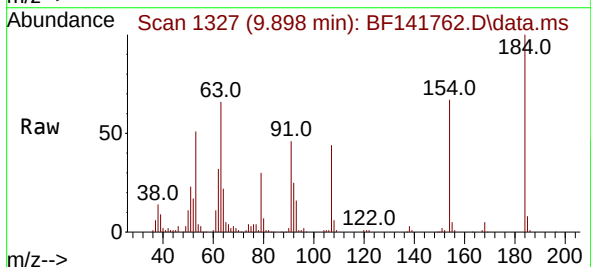
Manual Integrations
APPROVED

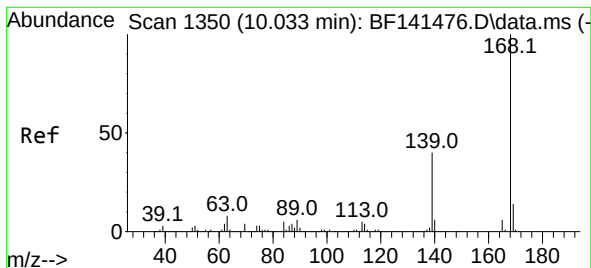
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#54
2,4-Dinitrophenol
Concen: 62.880 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

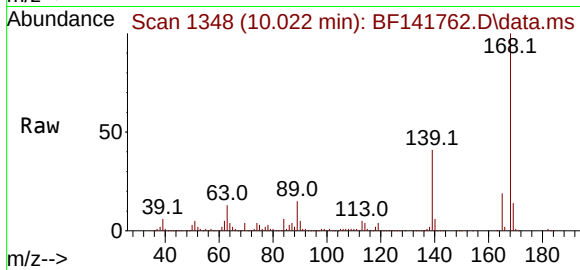
Tgt Ion:184 Resp: 107902
Ion Ratio Lower Upper
184 100
63 65.9 61.0 91.6
154 67.5 59.9 89.9





#55
Dibenzenofuran
Concen: 41.505 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

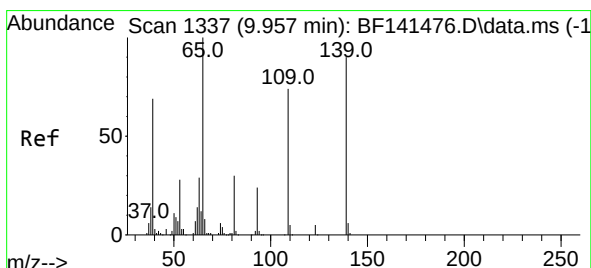
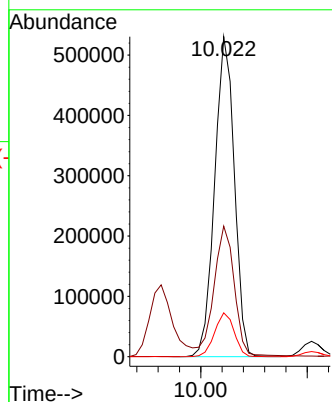
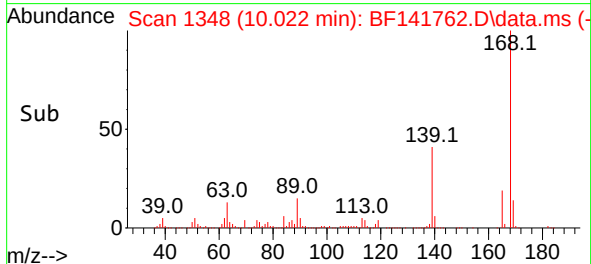
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:168 Resp: 67946
Ion Ratio Lower Upper
168 100
139 40.8 32.7 49.1
169 13.7 10.8 16.2

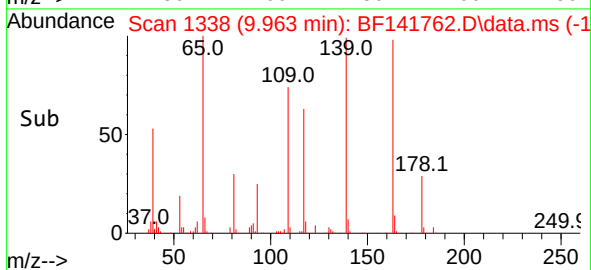
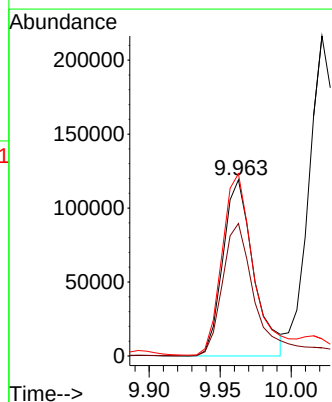
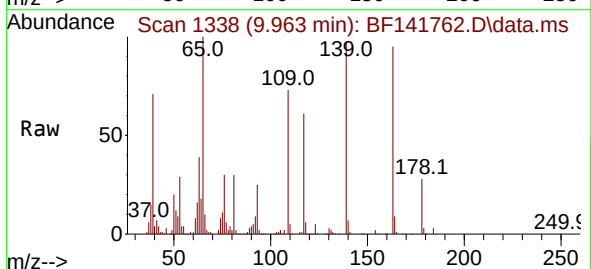
Manual Integrations
APPROVED

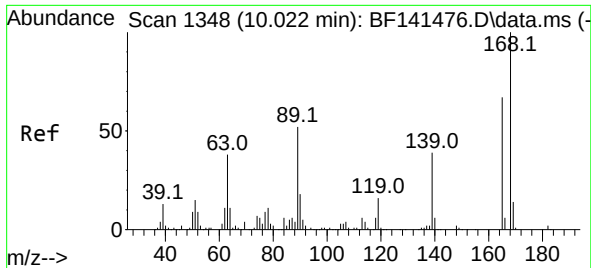
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#56
4-Nitrophenol
Concen: 77.578 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

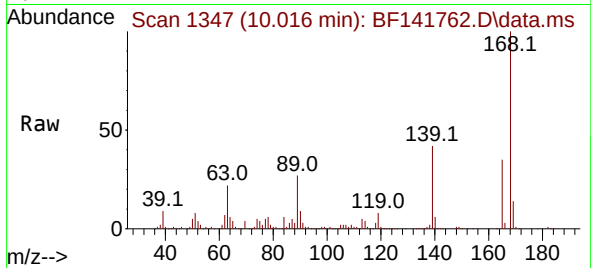
Tgt Ion:139 Resp: 178963
Ion Ratio Lower Upper
139 100
109 75.3 62.0 102.0
65 103.5 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 43.913 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

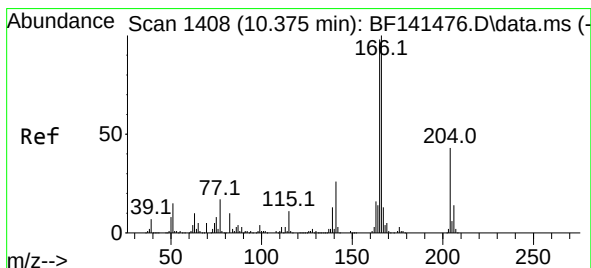
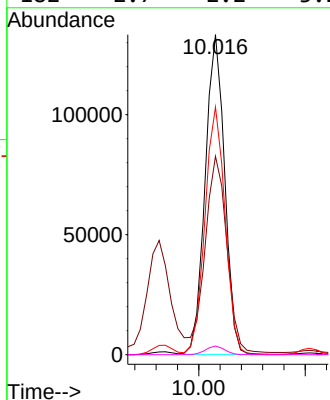
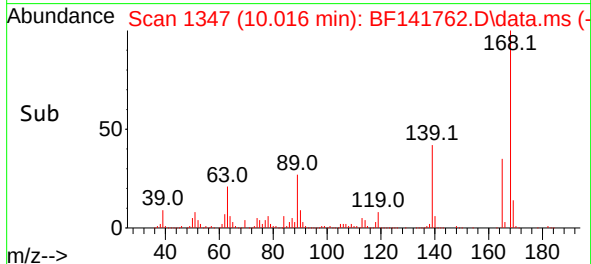
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:165 Resp: 168790
Ion Ratio Lower Upper
165 100
63 62.0 46.4 69.6
89 77.4 61.8 92.6
182 2.7 2.2 3.2

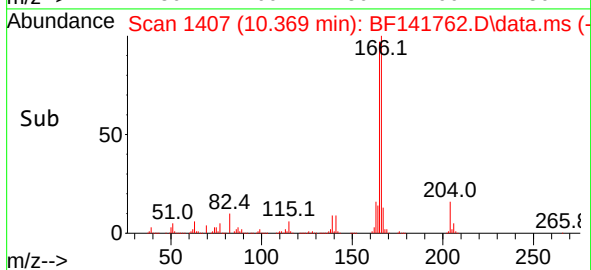
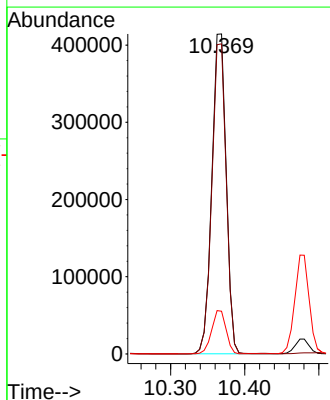
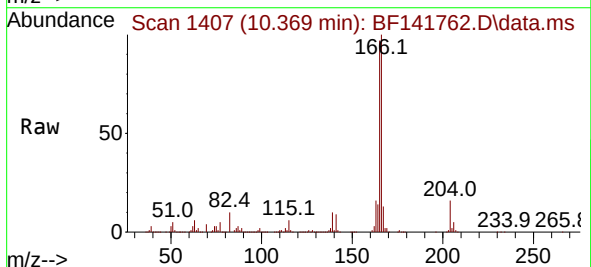
Manual Integrations
APPROVED

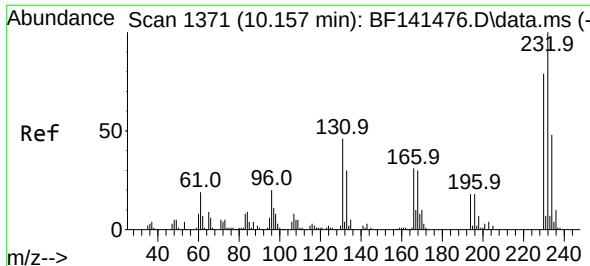
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#58
Fluorene
Concen: 44.002 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

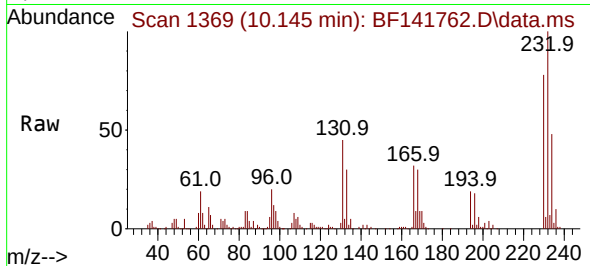
Tgt Ion:166 Resp: 556982
Ion Ratio Lower Upper
166 100
165 96.9 78.2 117.2
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.444 ng
RT: 10.145 min Scan# 1369
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

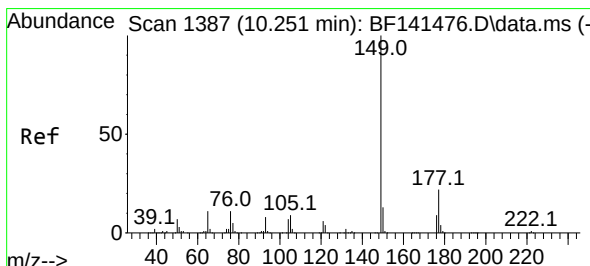
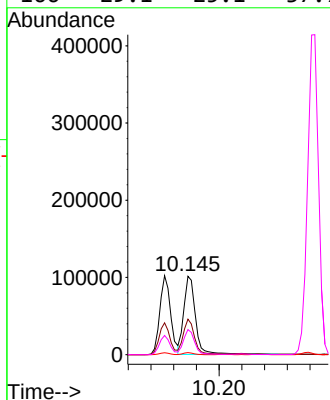
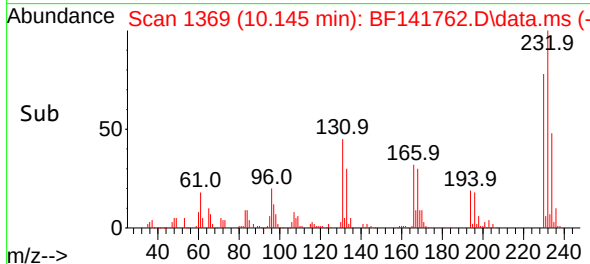
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:232 Resp: 144069
Ion Ratio Lower Upper
232 100
131 42.1 39.2 58.8
130 2.3 2.1 3.1
166 29.1 25.1 37.7

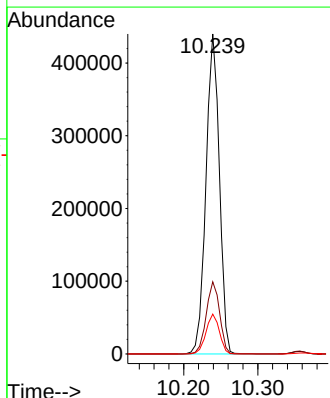
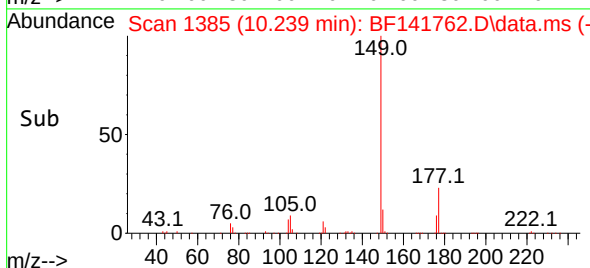
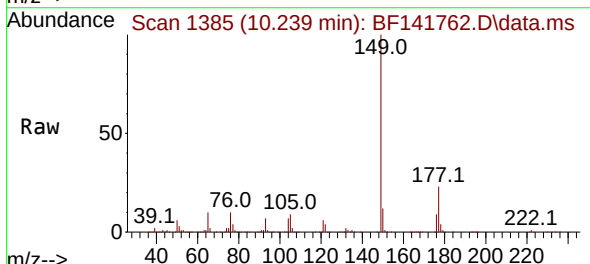
Manual Integrations
APPROVED

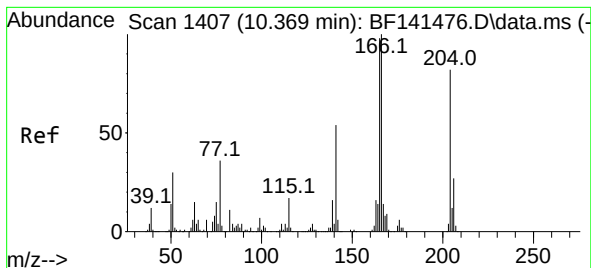
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#60
Diethylphthalate
Concen: 42.482 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

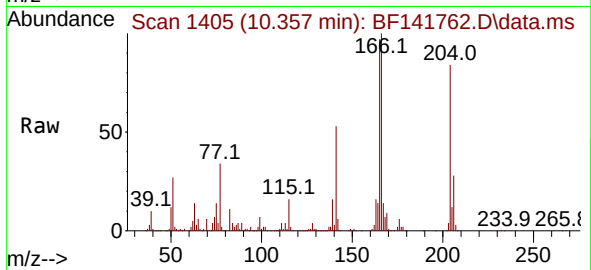
Tgt Ion:149 Resp: 552047
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.014 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

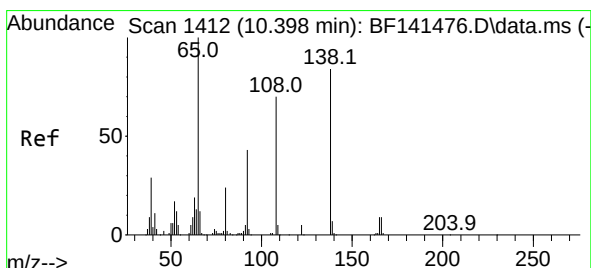
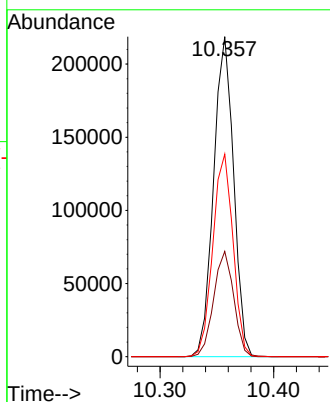
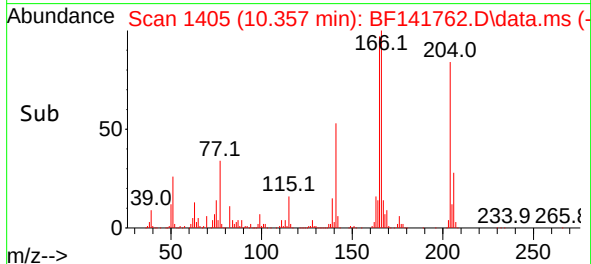
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:204 Resp: 268025
Ion Ratio Lower Upper
204 100
206 32.9 26.6 40.0
141 63.3 51.9 77.9

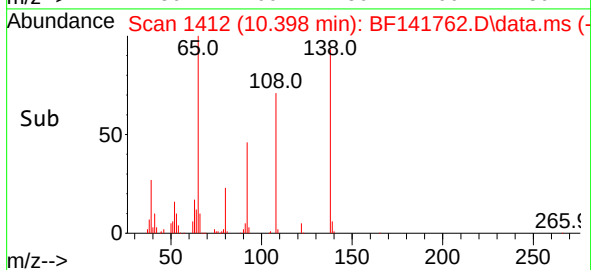
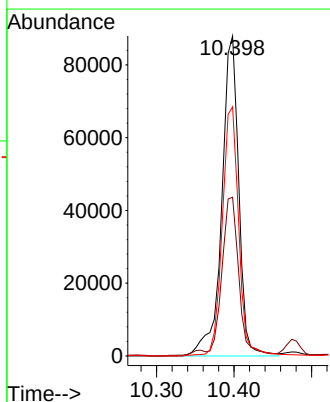
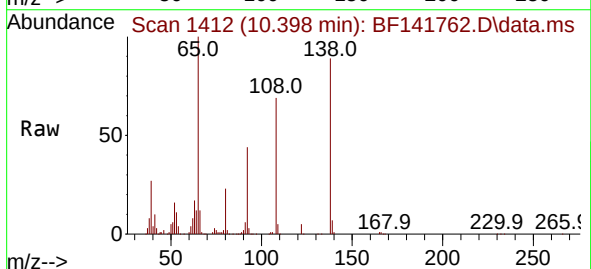
Manual Integrations
APPROVED

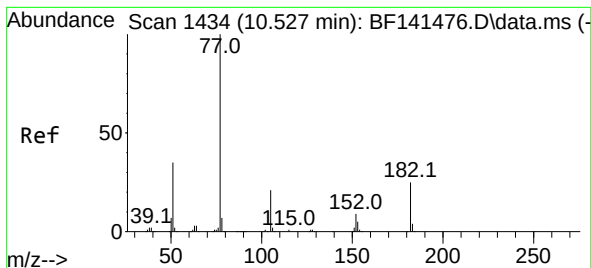
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#62
4-Nitroaniline
Concen: 42.465 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

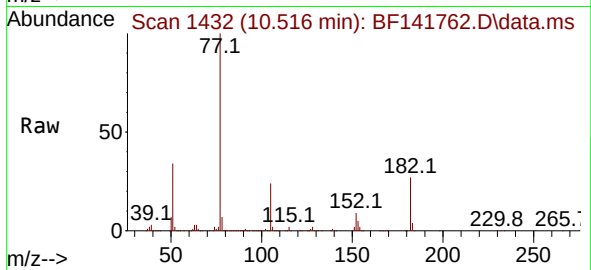
Tgt Ion:138 Resp: 133998
Ion Ratio Lower Upper
138 100
92 49.6 31.3 71.3
108 77.8 63.7 103.7





#63
Azobenzene
Concen: 46.111 ng
RT: 10.516 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

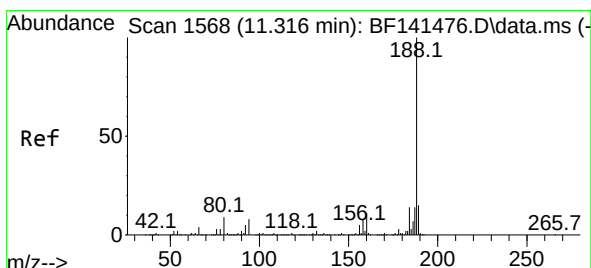
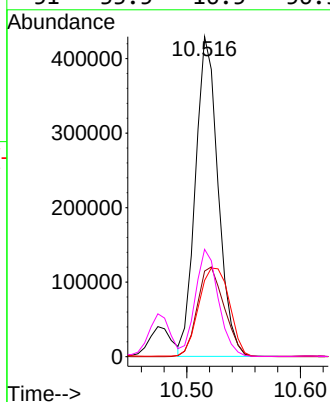
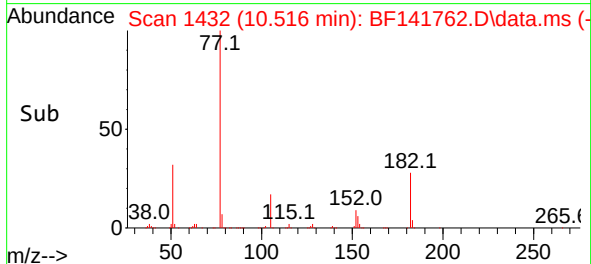
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



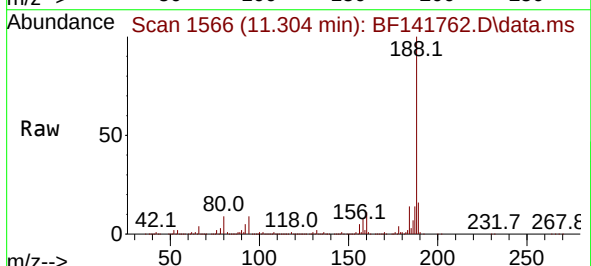
Tgt Ion: 77 Resp: 59568
Ion Ratio Lower Upper
77 100
182 26.8 4.7 44.7
105 23.8 0.4 40.4
51 33.5 16.5 56.5

Manual Integrations
APPROVED

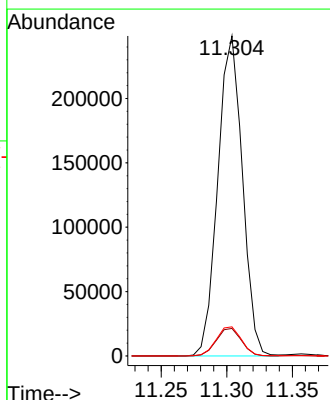
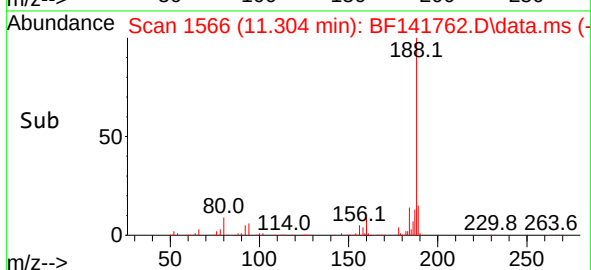
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

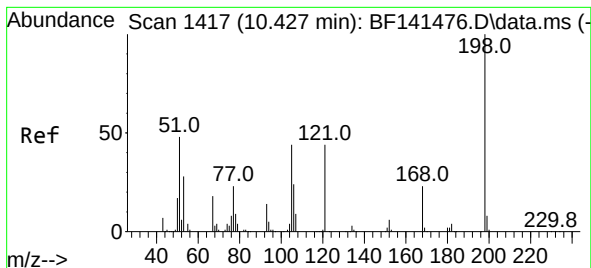


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



Tgt Ion:188 Resp: 323859
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.1 7.3 10.9





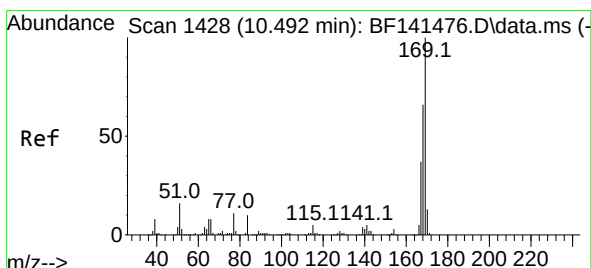
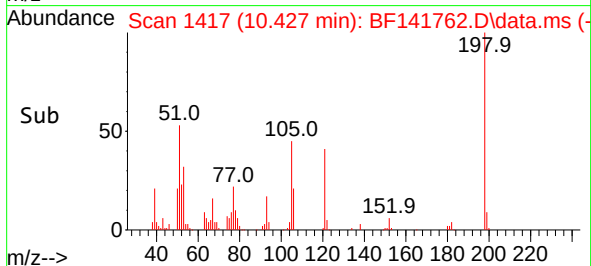
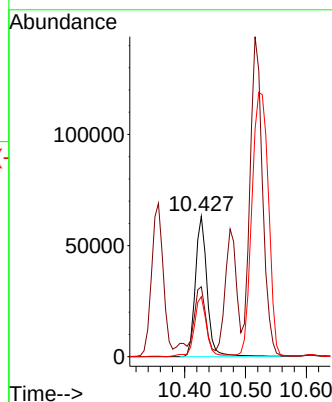
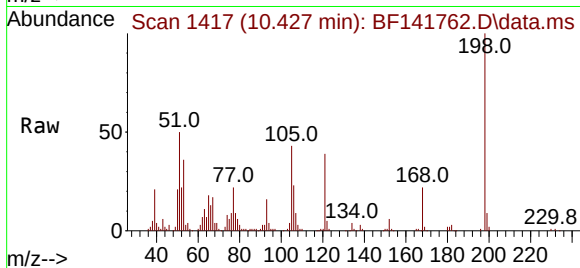
#65
4,6-Dinitro-2-methylphenol
Concen: 37.608 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS

Tgt Ion:198 Resp: 84600
Ion Ratio Lower Upper
198 100
51 49.8 37.4 77.4
105 42.7 25.2 65.2

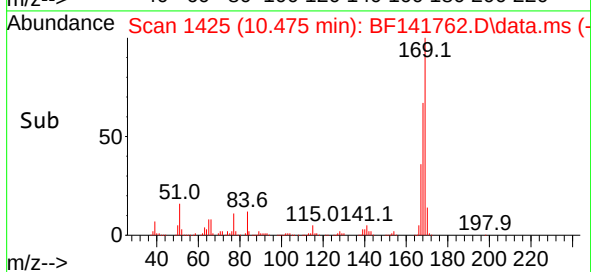
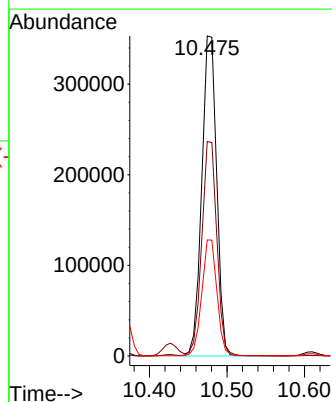
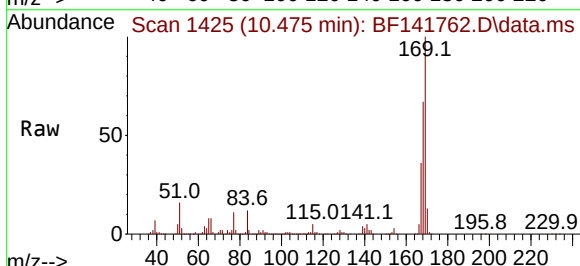
Manual Integrations
APPROVED

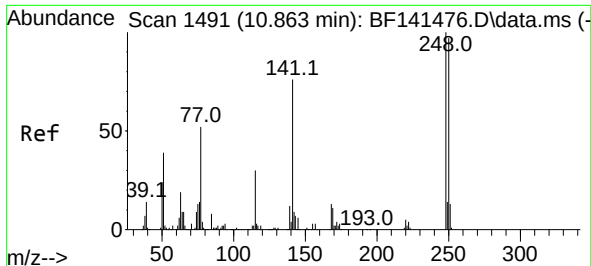
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#66
n-Nitrosodiphenylamine
Concen: 45.558 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

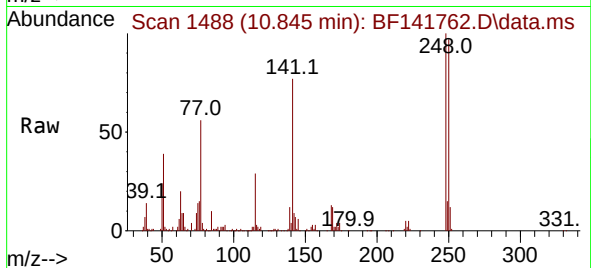
Tgt Ion:169 Resp: 472300
Ion Ratio Lower Upper
169 100
168 67.0 53.3 79.9
167 36.2 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 45.796 ng
RT: 10.845 min Scan# 1491
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

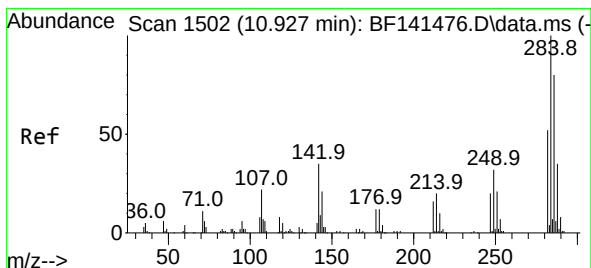
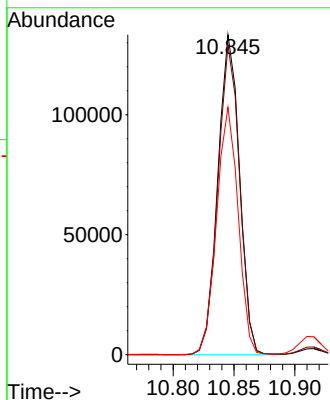
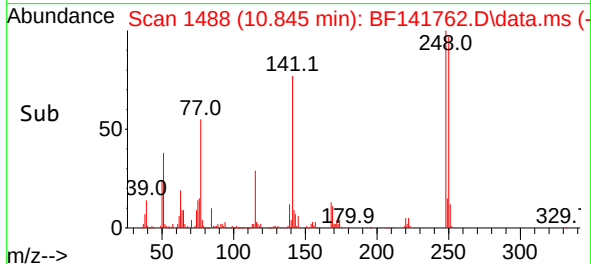
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



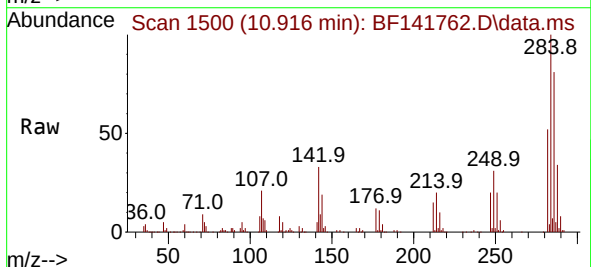
Tgt Ion:248 Resp: 165760
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.6
141 77.3 60.6 90.8

Manual Integrations
APPROVED

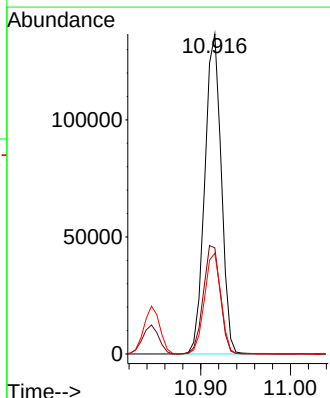
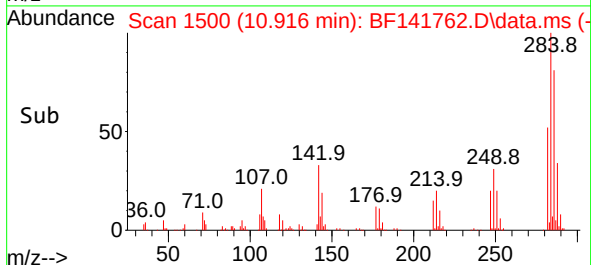
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

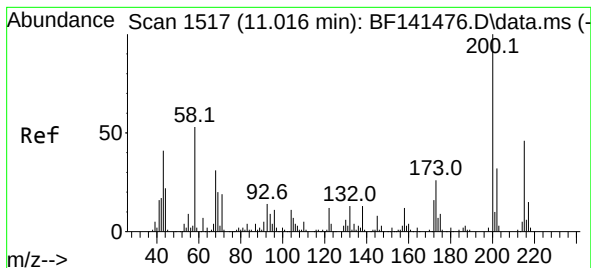


#68
Hexachlorobenzene
Concen: 46.793 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



Tgt Ion:284 Resp: 174405
Ion Ratio Lower Upper
284 100
142 33.1 28.0 42.0
249 31.5 25.8 38.8





#69

Atrazine

Concen: 57.328 ng

RT: 11.010 min Scan# 1517

Delta R.T. -0.012 min

Lab File: BF141762.D

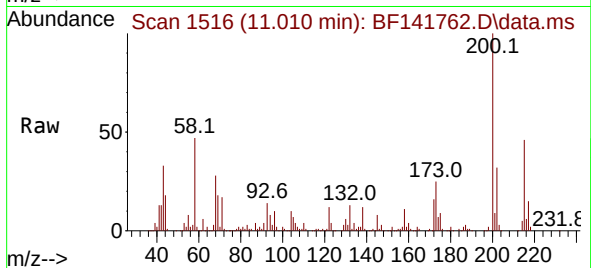
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



Tgt Ion:200 Resp: 178290

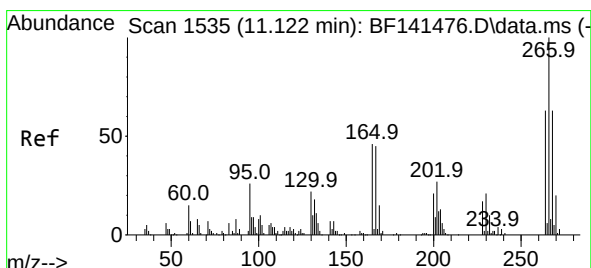
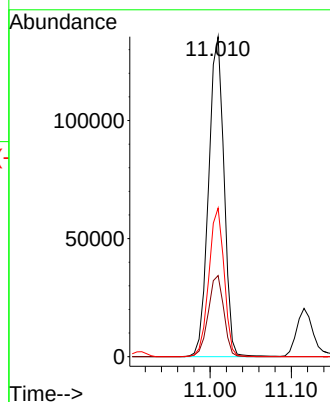
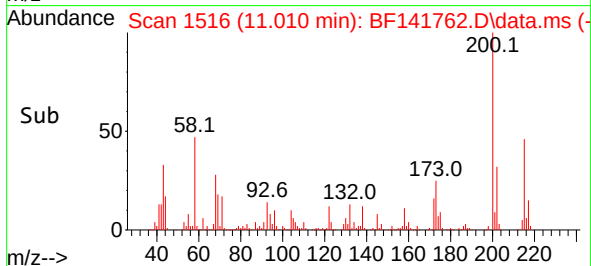
Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.9	45.9
215	46.4	25.9	65.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 67.302 ng

RT: 11.116 min Scan# 1534

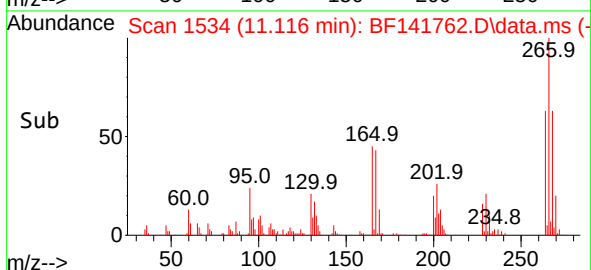
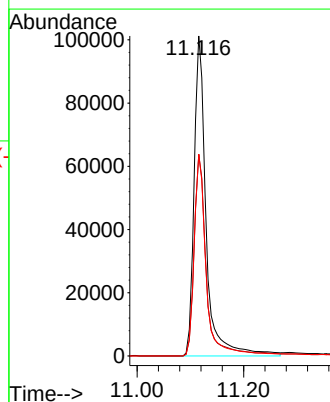
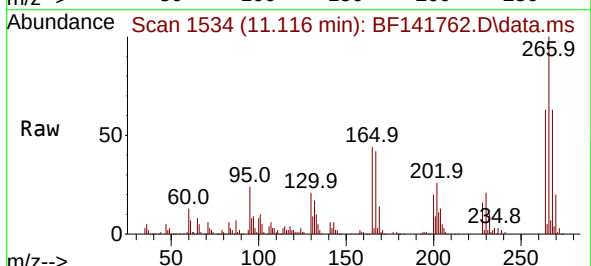
Delta R.T. -0.012 min

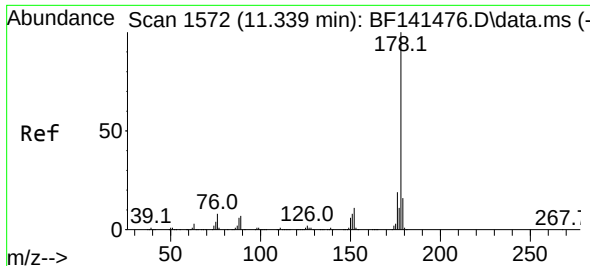
Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Tgt Ion:266 Resp: 160396

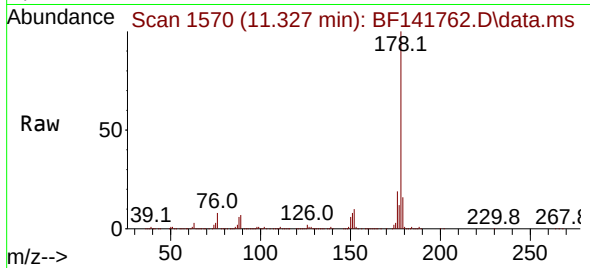
Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.1	75.1
264	63.1	50.1	75.1





#71
Phenanthrene
Concen: 44.718 ng
RT: 11.327 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

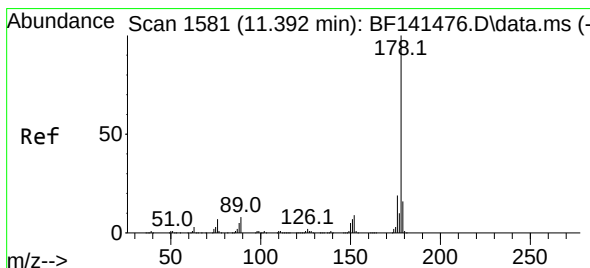
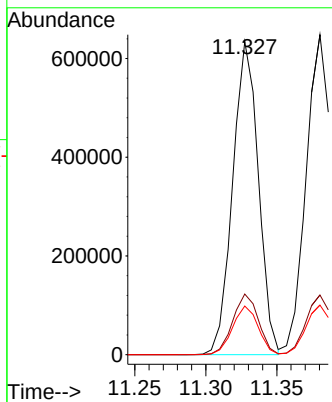
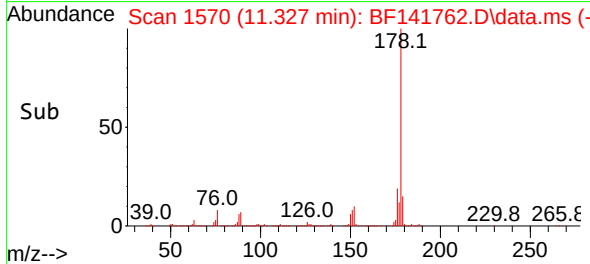
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



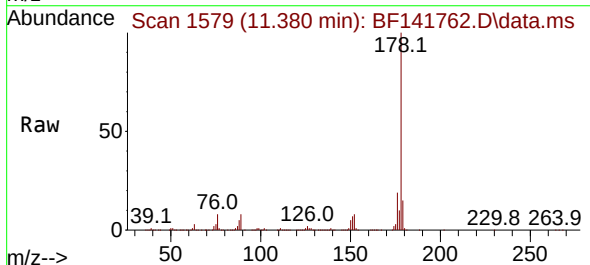
Tgt Ion:178 Resp: 797195
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.4 18.6

Manual Integrations
APPROVED

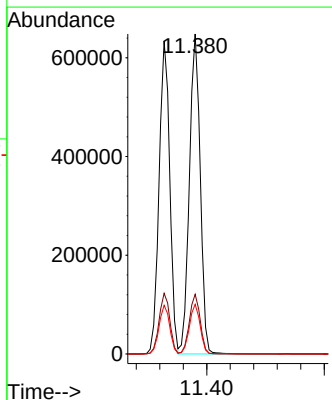
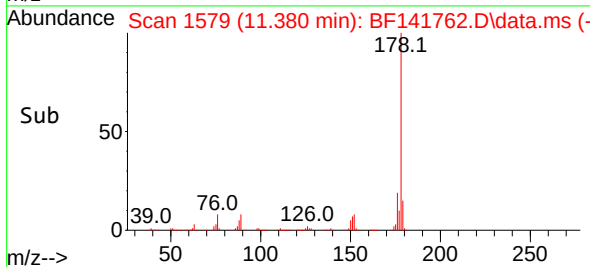
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

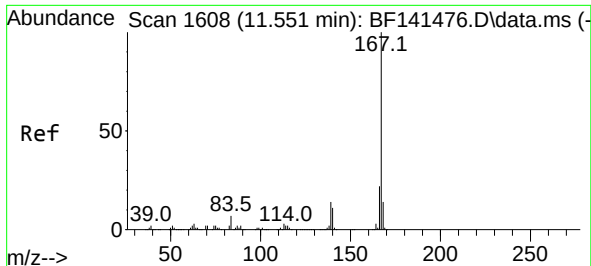


#72
Anthracene
Concen: 46.220 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



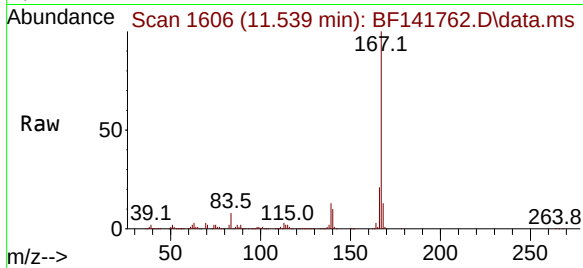
Tgt Ion:178 Resp: 828278
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 44.056 ng
 RT: 11.539 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF141762.D
 Acq: 25 Feb 2025 14:07

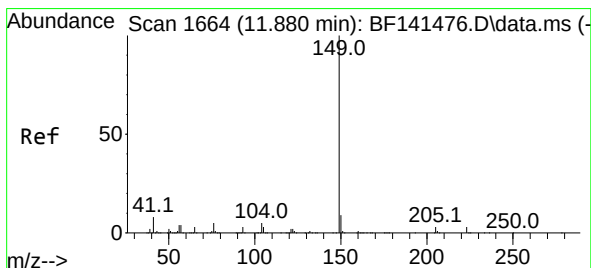
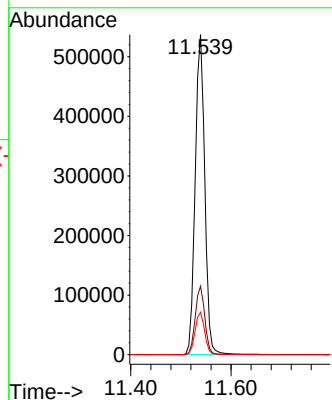
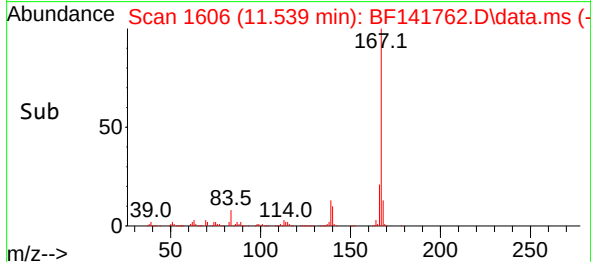
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01MS



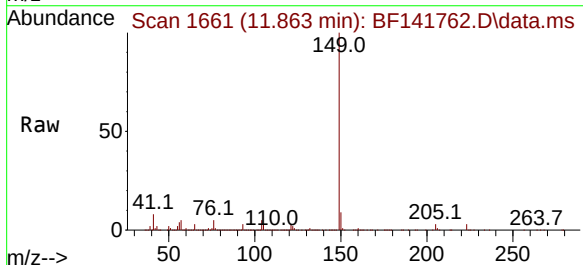
Tgt Ion:167 Resp: 71038
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 13.3 10.9 16.3

Manual Integrations
 APPROVED

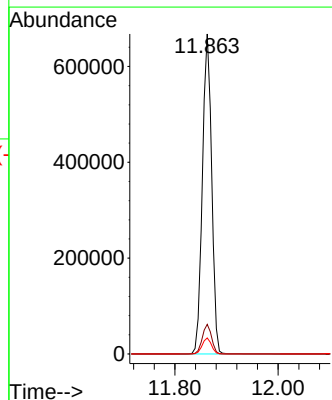
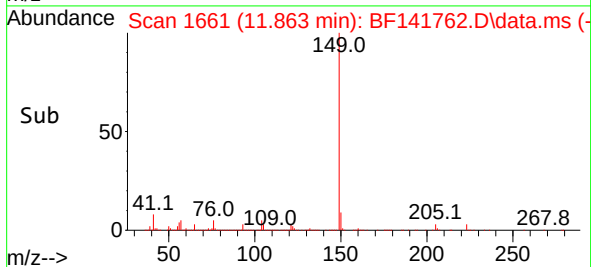
Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025

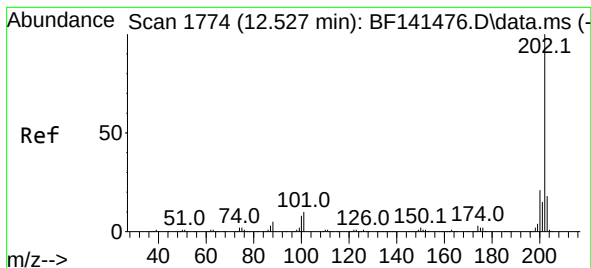


#74
 Di-n-butylphthalate
 Concen: 44.631 ng
 RT: 11.863 min Scan# 1661
 Delta R.T. -0.018 min
 Lab File: BF141762.D
 Acq: 25 Feb 2025 14:07



Tgt Ion:149 Resp: 830961
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 41.553 ng

RT: 12.516 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141762.D

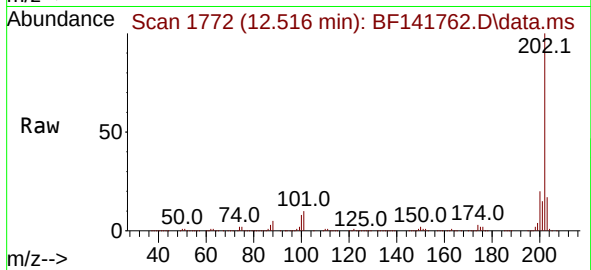
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



Tgt Ion:202 Resp: 785350

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.2

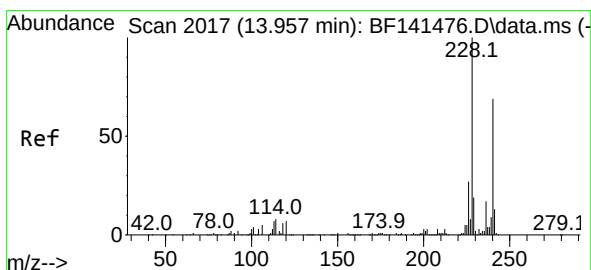
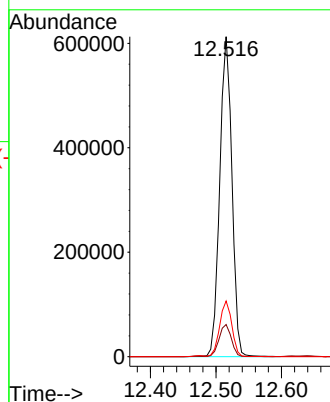
203 17.4 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

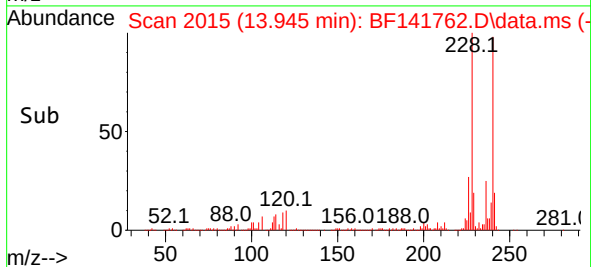
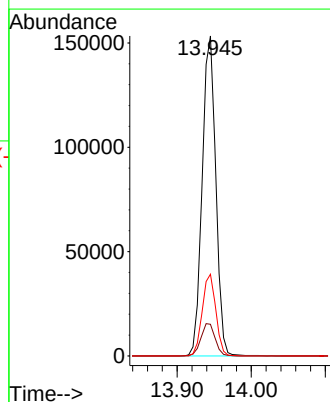
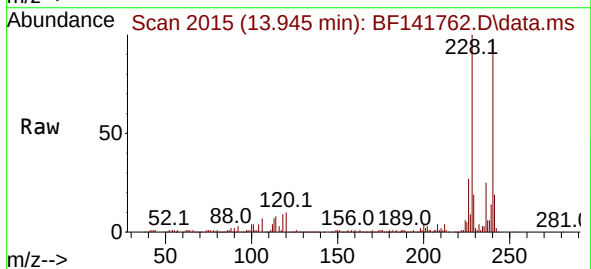
Tgt Ion:240 Resp: 195463

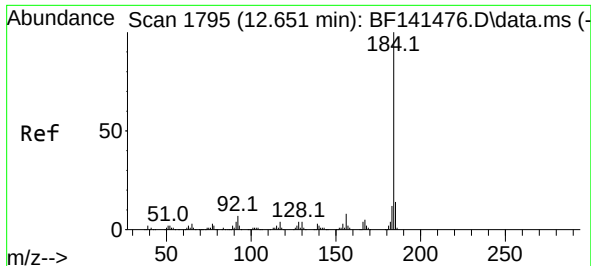
Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

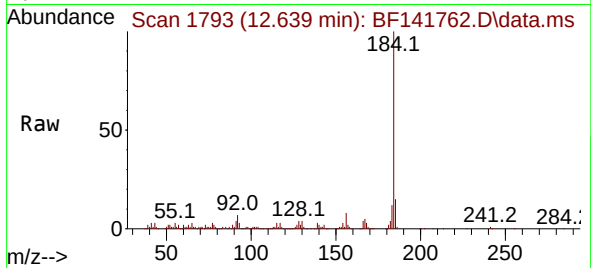
236 25.6 19.8 29.8





#77
Benzidine
Concen: 64.980 ng
RT: 12.639 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

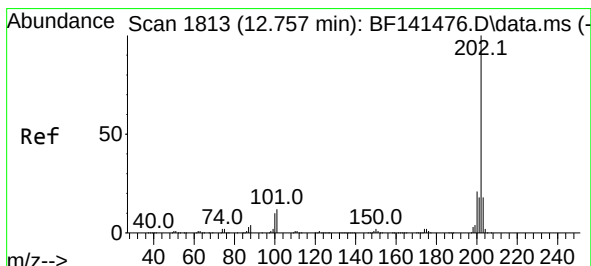
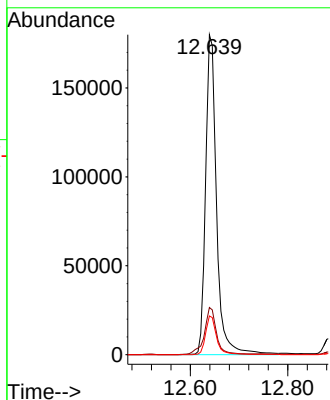
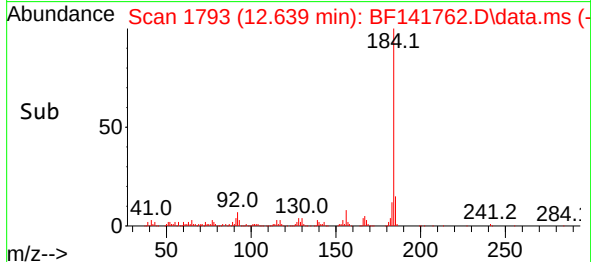
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:184 Resp: 280110
Ion Ratio Lower Upper
184 100
185 14.8 11.3 16.9
183 12.1 9.3 13.9

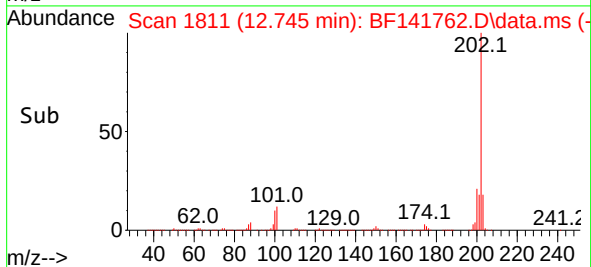
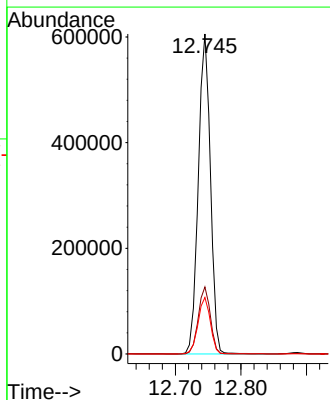
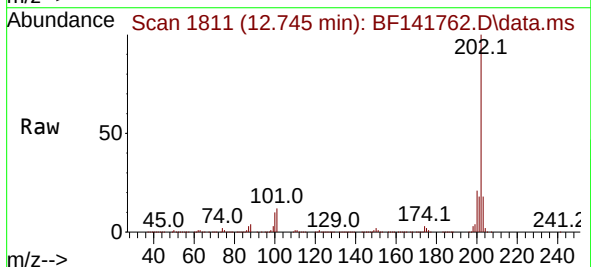
Manual Integrations
APPROVED

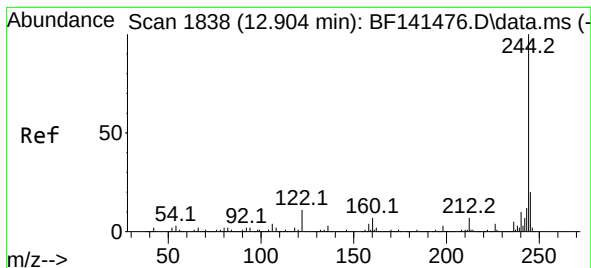
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#78
Pyrene
Concen: 46.789 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion:202 Resp: 778525
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 74.868 ng

RT: 12.886 min Scan# 1835

Delta R.T. -0.018 min

Lab File: BF141762.D

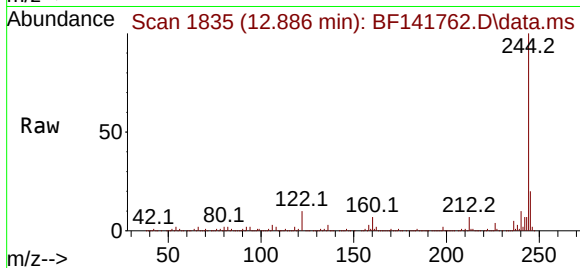
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



Tgt Ion:244 Resp: 866854

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

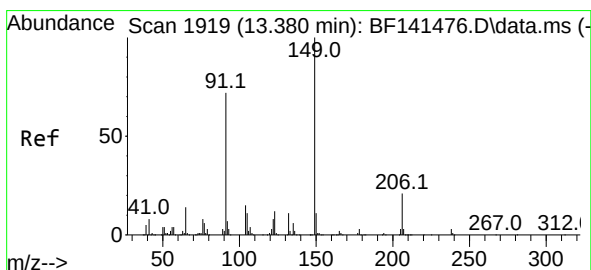
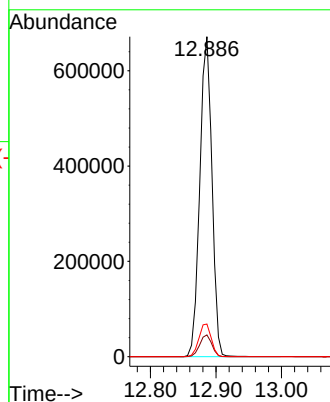
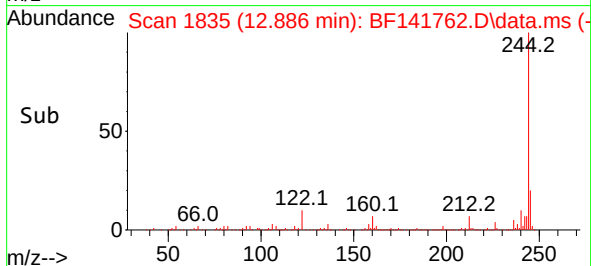
122 10.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#80

Butylbenzylphthalate

Concen: 49.467 ng

RT: 13.357 min Scan# 1915

Delta R.T. -0.023 min

Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

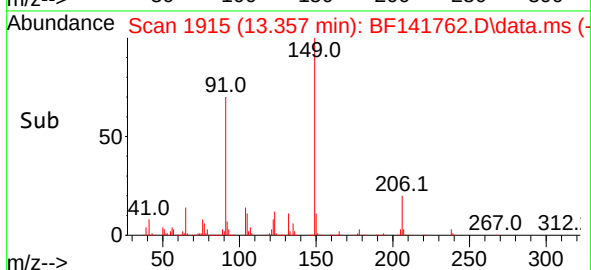
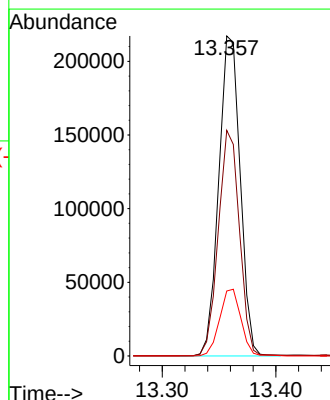
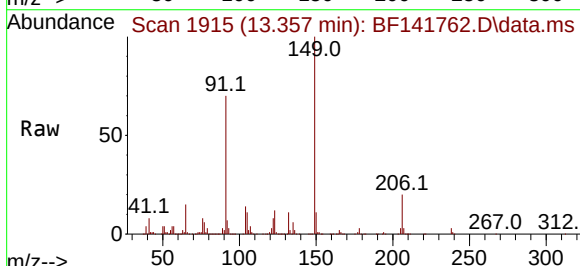
Tgt Ion:149 Resp: 285094

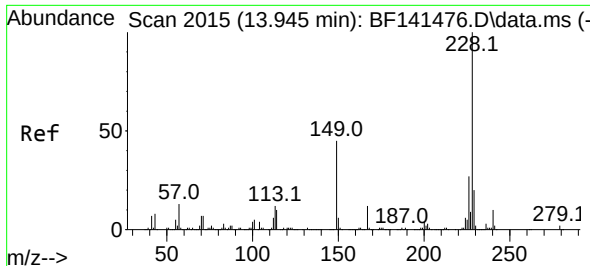
Ion Ratio Lower Upper

149 100

91 70.5 57.8 86.8

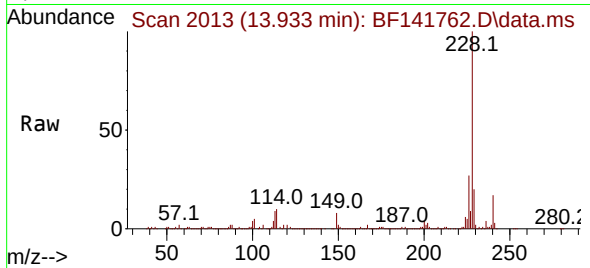
206 20.3 16.7 25.1





#81
Benzo(a)anthracene
Concen: 45.818 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

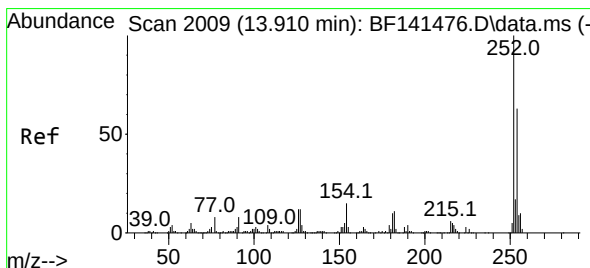
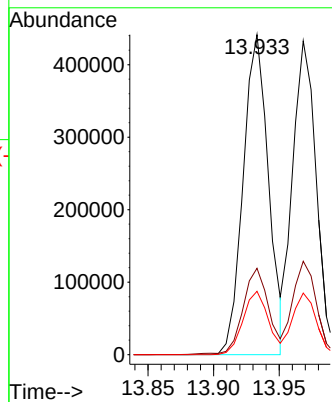
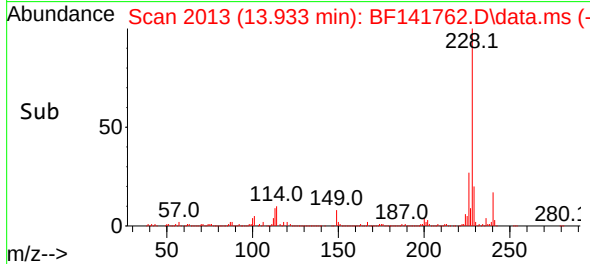
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:228 Resp: 59532
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.8 15.8 23.6

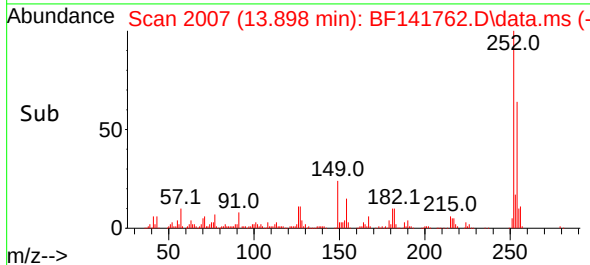
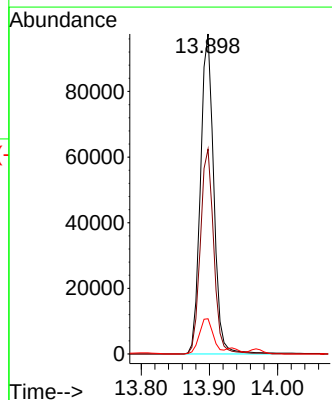
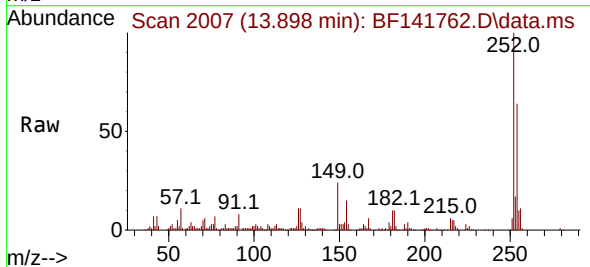
Manual Integrations
APPROVED

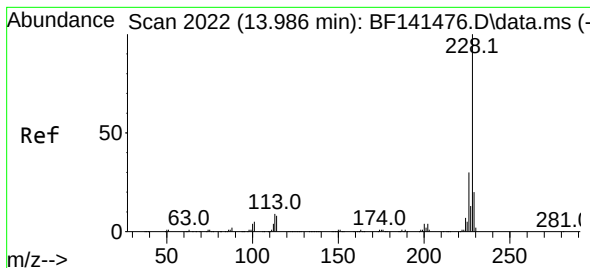
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#82
3,3'-Dichlorobenzidine
Concen: 35.480 ng
RT: 13.898 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion:252 Resp: 132055
Ion Ratio Lower Upper
252 100
254 64.0 50.6 76.0
126 11.0 9.3 13.9





#83

Chrysene

Concen: 45.035 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.023 min

Lab File: BF141762.D

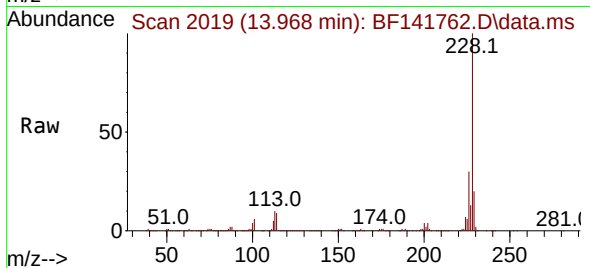
Acq: 25 Feb 2025 14:07

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MS



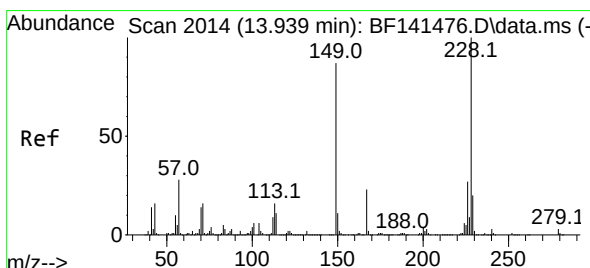
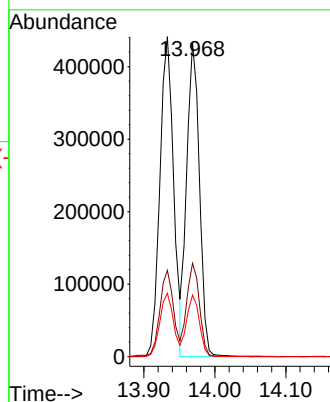
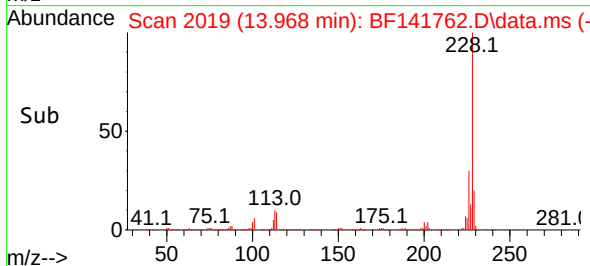
Tgt Ion:228 Resp: 540280

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.495 ng

RT: 13.915 min Scan# 2010

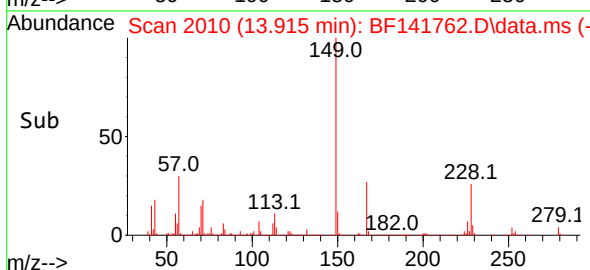
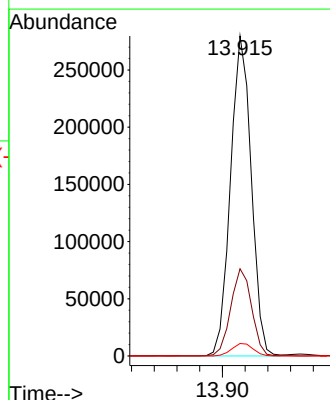
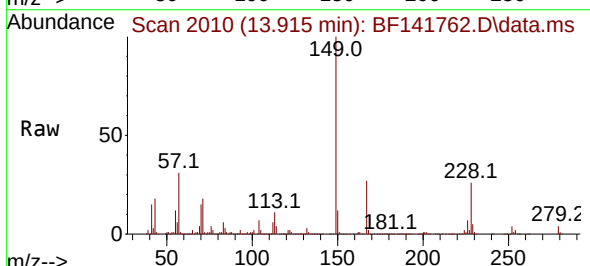
Delta R.T. -0.023 min

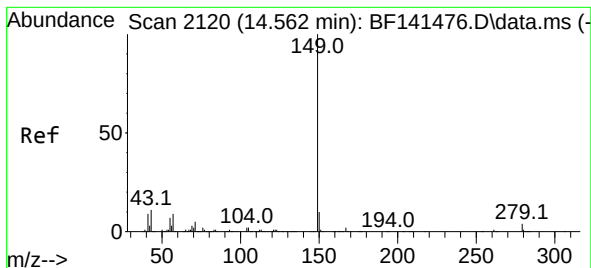
Lab File: BF141762.D

Acq: 25 Feb 2025 14:07

Tgt Ion:149 Resp: 354228

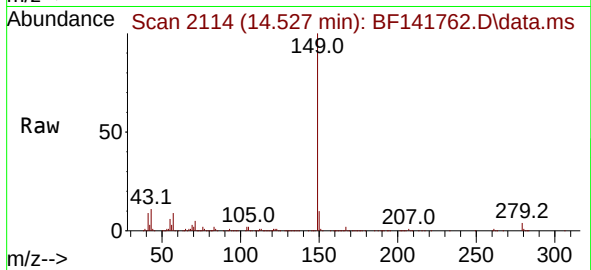
Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 59.320 ng
RT: 14.527 min Scan# 2114
Delta R.T. -0.035 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

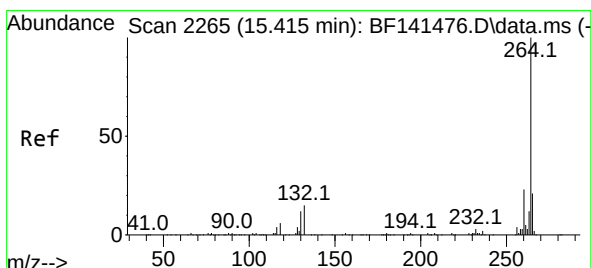
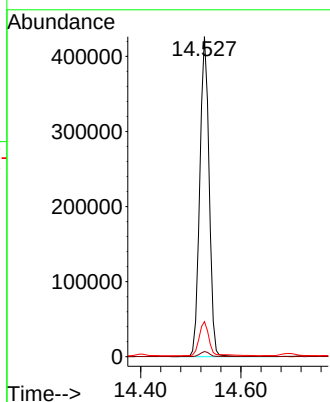
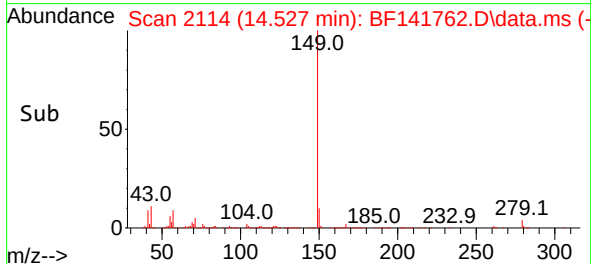
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



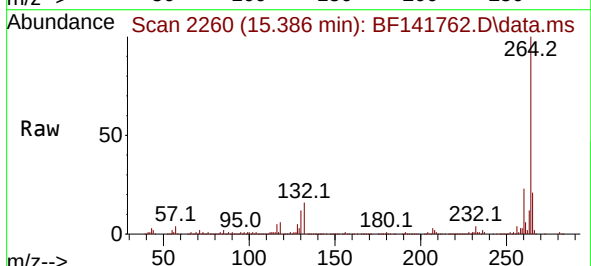
Tgt Ion:149 Resp: 550072
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.4 9.5 14.3

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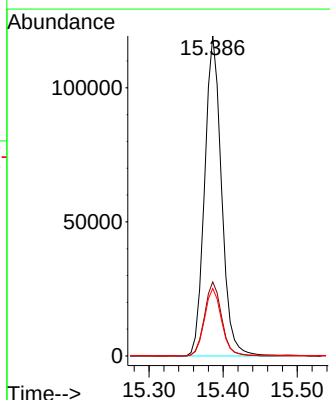
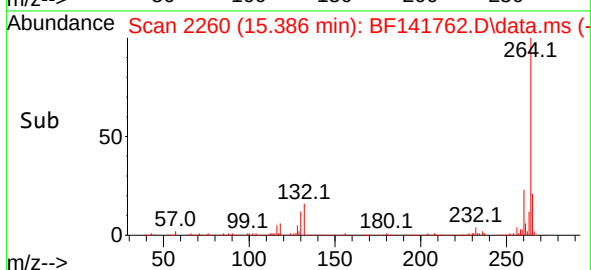
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

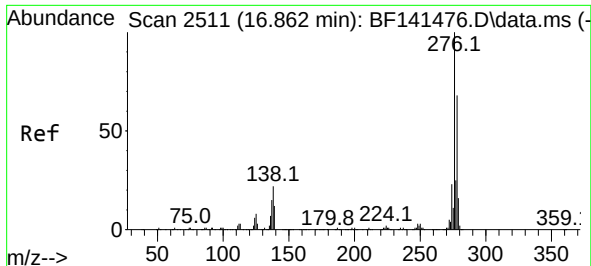


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07



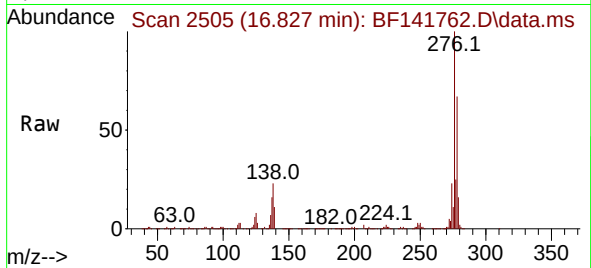
Tgt Ion:264 Resp: 188853
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.1 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.769 ng
RT: 16.827 min Scan# 2189
Delta R.T. -0.047 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

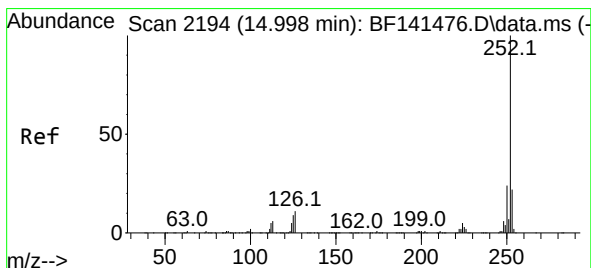
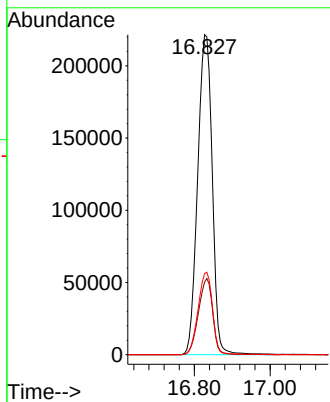
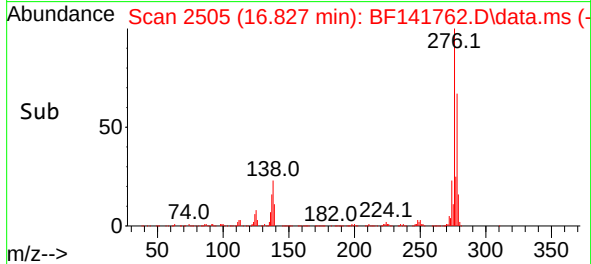
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:276 Resp: 592429
Ion Ratio Lower Upper
276 100
138 23.1 18.0 27.0
277 25.6 20.4 30.6

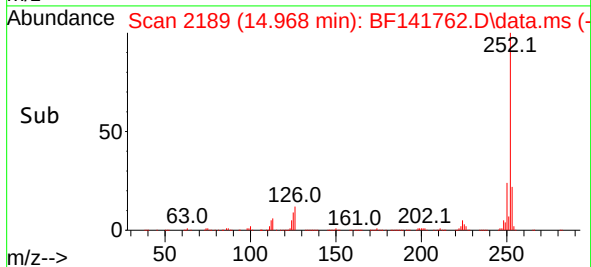
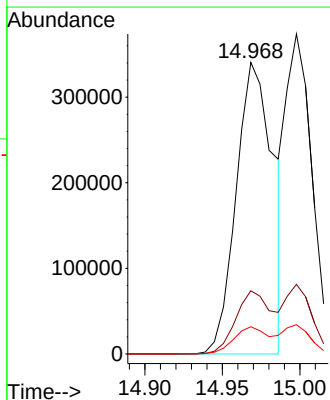
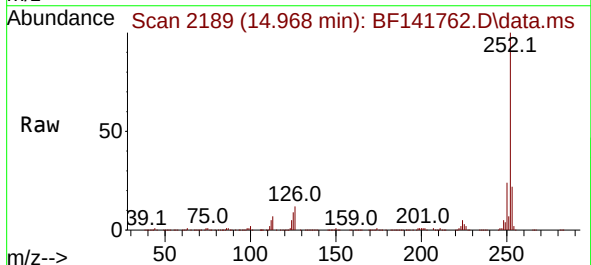
Manual Integrations
APPROVED

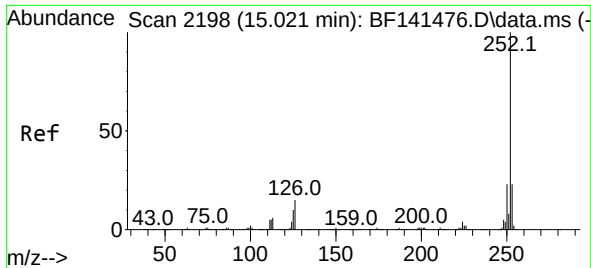
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#88
Benzo(b)fluoranthene
Concen: 44.504 ng
RT: 14.968 min Scan# 2189
Delta R.T. -0.035 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

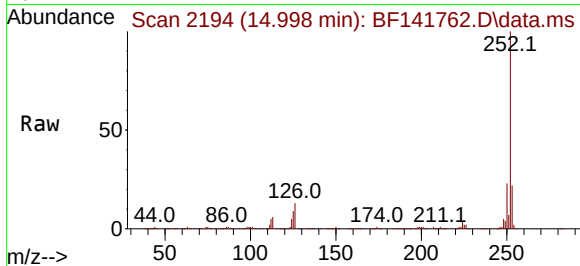
Tgt Ion:252 Resp: 564333
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.4 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 41.164 ng
RT: 14.998 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

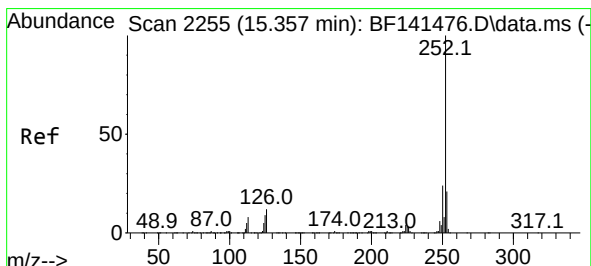
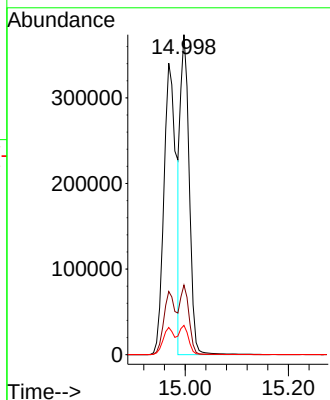
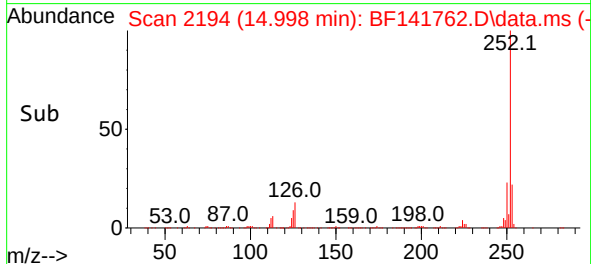
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:252 Resp: 44572
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 9.2 7.4 11.0

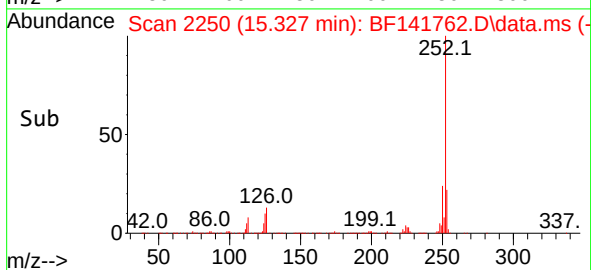
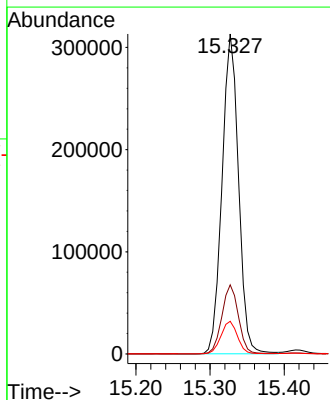
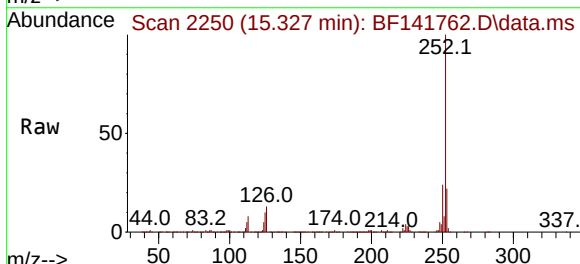
Manual Integrations
APPROVED

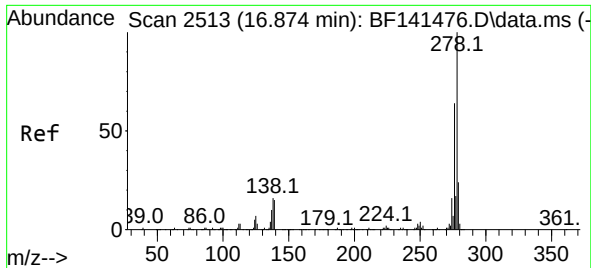
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#90
Benzo(a)pyrene
Concen: 47.057 ng
RT: 15.327 min Scan# 2250
Delta R.T. -0.035 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

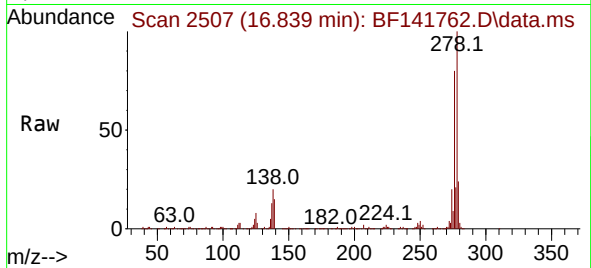
Tgt Ion:252 Resp: 482833
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 10.2 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 50.605 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.053 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

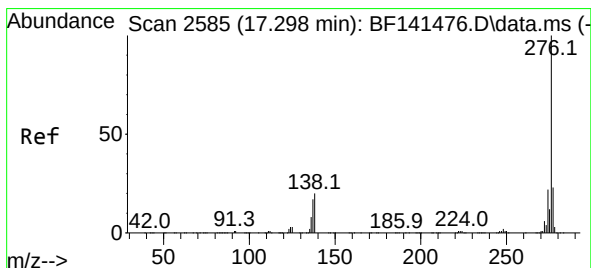
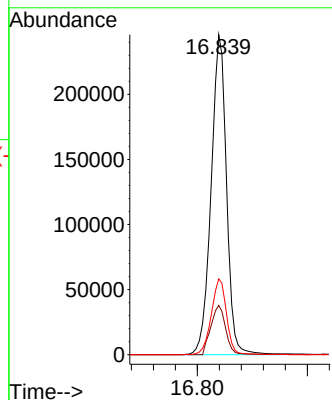
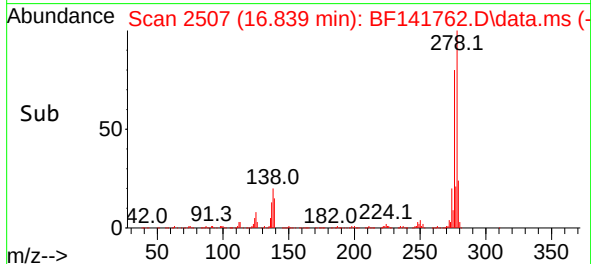
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MS



Tgt Ion:278 Resp: 47848
Ion Ratio Lower Upper
278 100
139 15.4 11.8 17.6
279 23.7 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 46.779 ng
RT: 17.256 min Scan# 2578
Delta R.T. -0.059 min
Lab File: BF141762.D
Acq: 25 Feb 2025 14:07

Tgt Ion:276 Resp: 462853
Ion Ratio Lower Upper
276 100
277 23.2 18.6 28.0
138 20.0 15.9 23.9

