

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141763.D
 Acq On : 25 Feb 2025 14:36
 Operator : RC/JU
 Sample : Q1421-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 14:56:26 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	75675	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	299933	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	161806	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	253973	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	171769	20.000	ng	-0.02
86) Perylene-d12	15.386	264	186973	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	503086	104.223	ng	0.00
7) Phenol-d6	6.428	99	618991	101.458	ng	-0.01
23) Nitrobenzene-d5	7.346	82	390477	67.904	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	152913	94.076	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	761811	72.536	ng	-0.02
79) Terphenyl-d14	12.886	244	725692	71.322	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	90202	46.430	ng	96
3) Pyridine	3.269	79	202708	43.847	ng	96
4) n-Nitrosodimethylamine	3.222	42	123575	40.369	ng	90
6) Aniline	6.446	93	205453	35.900	ng	# 82
8) 2-Chlorophenol	6.569	128	242733	46.538	ng	99
9) Benzaldehyde	6.334	77	93929	28.972	ng	97
10) Phenol	6.440	94	292013	45.987	ng	96
11) bis(2-Chloroethyl)ether	6.516	93	219996	46.126	ng	99
12) 1,3-Dichlorobenzene	6.722	146	256275	46.541	ng	96
13) 1,4-Dichlorobenzene	6.798	146	261559	46.492	ng	98
14) 1,2-Dichlorobenzene	6.951	146	248986	47.684	ng	99
15) Benzyl Alcohol	6.928	79	201189	43.003	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	346162	42.399	ng	69
17) 2-Methylphenol	7.046	107	186708	45.743	ng	96
18) Hexachloroethane	7.287	117	96120	46.165	ng	99
19) n-Nitroso-di-n-propyla...	7.193	70	164417	45.054	ng	95
20) 3+4-Methylphenols	7.204	107	243568	46.956	ng	# 72
22) Acetophenone	7.193	105	370440	49.650	ng	92
24) Nitrobenzene	7.363	77	248969	44.400	ng	99
25) Isophorone	7.604	82	434574	47.396	ng	98
26) 2-Nitrophenol	7.681	139	131754	47.227	ng	94
27) 2,4-Dimethylphenol	7.722	122	189959	58.286	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	271858	46.272	ng	99
29) 2,4-Dichlorophenol	7.934	162	198750	45.135	ng	100
30) 1,2,4-Trichlorobenzene	8.004	180	218056	45.473	ng	100
31) Naphthalene	8.087	128	695392	44.540	ng	100
32) Benzoic acid	7.845	122	60430	17.851	ng	95
33) 4-Chloroaniline	8.140	127	107639	19.747	ng	97
34) Hexachlorobutadiene	8.198	225	132624	46.070	ng	100
35) Caprolactam	8.504	113	61932m	46.193	ng	
36) 4-Chloro-3-methylphenol	8.634	107	209473	42.944	ng	97
37) 2-Methylnaphthalene	8.775	142	437531	43.065	ng	100
38) 1-Methylnaphthalene	8.875	142	424417	43.132	ng	98
40) 1,2,4,5-Tetrachloroben...	8.940	216	239737	51.212	ng	99
41) Hexachlorocyclopentadiene	8.928	237	211325	135.724	ng	100
43) 2,4,6-Trichlorophenol	9.057	196	135676	44.843	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141763.D
 Acq On : 25 Feb 2025 14:36
 Operator : RC/JU
 Sample : Q1421-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 14:56:26 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

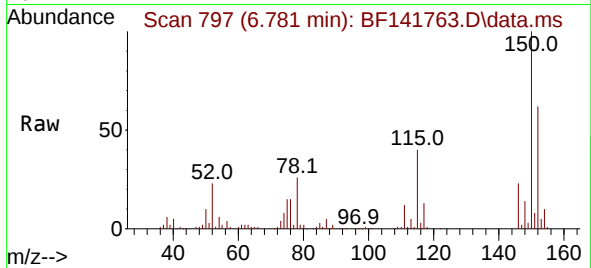
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	141363	43.112	ng	97
46) 1,1'-Biphenyl	9.239	154	631200	50.317	ng	100
47) 2-Chloronaphthalene	9.263	162	429181	46.266	ng	99
48) 2-Nitroaniline	9.363	65	134953	43.349	ng	96
49) Acenaphthylene	9.675	152	653459	47.361	ng	99
50) Dimethylphthalate	9.539	163	484412	44.099	ng	99
51) 2,6-Dinitrotoluene	9.604	165	108763	45.293	ng	97
52) Acenaphthene	9.851	154	408252	44.012	ng	100
53) 3-Nitroaniline	9.775	138	67035	25.937	ng	97
54) 2,4-Dinitrophenol	9.892	184	87227	61.119	ng	93
55) Dibenzofuran	10.022	168	583197	42.834	ng	99
56) 4-Nitrophenol	9.957	139	140095	73.020	ng	95
57) 2,4-Dinitrotoluene	10.016	165	142466	44.566	ng	97
58) Fluorene	10.363	166	470483	44.692	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	116359	41.218	ng	96
60) Diethylphthalate	10.239	149	465458	43.068	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	227694	44.958	ng	97
62) 4-Nitroaniline	10.392	138	108386	41.300	ng	96
63) Azobenzene	10.516	77	502797	46.798	ng	94
65) 4,6-Dinitro-2-methylph...	10.422	198	67224	38.104	ng	97
66) n-Nitrosodiphenylamine	10.475	169	400020	49.203	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	139126	49.014	ng	99
68) Hexachlorobenzene	10.916	284	145837	49.895	ng	97
69) Atrazine	11.004	200	144195	59.121	ng	98
70) Pentachlorophenol	11.116	266	133292	71.320	ng	100
71) Phenanthrene	11.328	178	663667	47.472	ng	100
72) Anthracene	11.381	178	677206	48.188	ng	100
73) Carbazole	11.539	167	575834	45.538	ng	99
74) Di-n-butylphthalate	11.863	149	679207	46.518	ng	99
75) Fluoranthene	12.516	202	645460	43.549	ng	100
77) Benzidine	12.639	184	263831	69.645	ng	99
78) Pyrene	12.745	202	649308	44.406	ng	99
80) Butylbenzylphthalate	13.357	149	241762	47.735	ng	99
81) Benzo(a)anthracene	13.933	228	546463	47.859	ng	100
82) 3,3'-Dichlorobenzidine	13.898	252	128432	39.267	ng	97
83) Chrysene	13.969	228	478435	45.380	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	326027	57.076	ng	100
85) Di-n-octyl phthalate	14.527	149	549852	67.475	ng	97
87) Indeno(1,2,3-cd)pyrene	16.827	276	615192	53.250	ng	99
88) Benzo(b)fluoranthene	14.969	252	506088	40.312	ng	99
89) Benzo(k)fluoranthene	14.998	252	505399	47.144	ng	98
90) Benzo(a)pyrene	15.327	252	497890	49.012	ng	99
91) Dibenzo(a,h)anthracene	16.839	278	496693	53.059	ng	98
92) Benzo(g,h,i)perylene	17.257	276	479696	48.968	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141763.D
 Acq: 25 Feb 2025 14:36

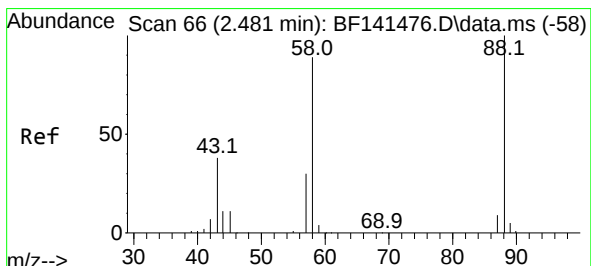
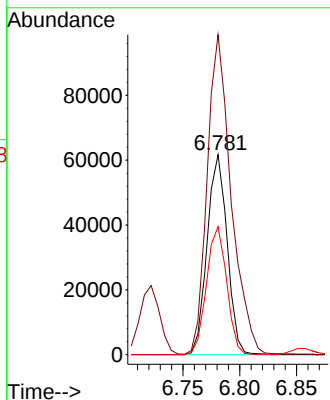
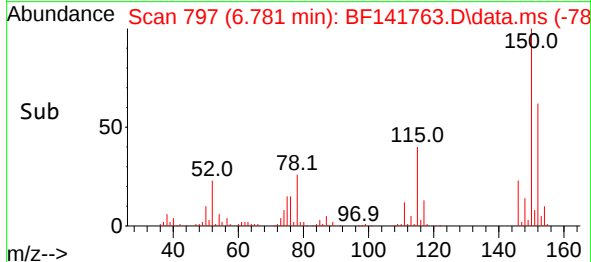
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01MSD



Tgt Ion:152 Resp: 75679
 Ion Ratio Lower Upper
 152 100
 150 160.0 125.0 187.4
 115 64.1 53.6 80.4

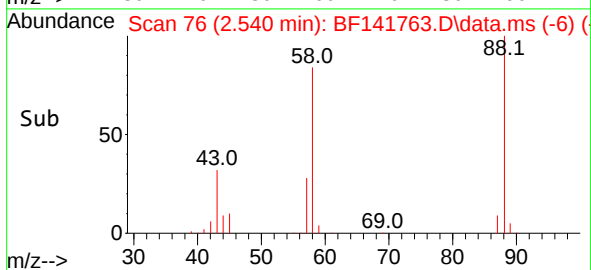
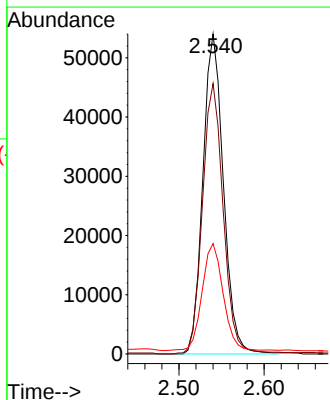
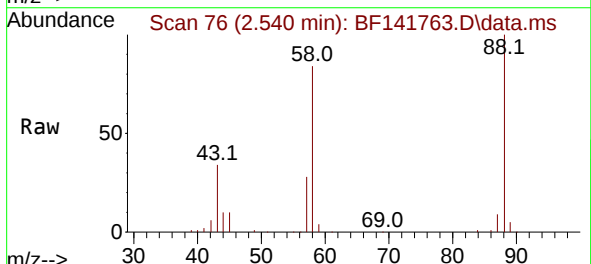
Manual Integrations
 APPROVED

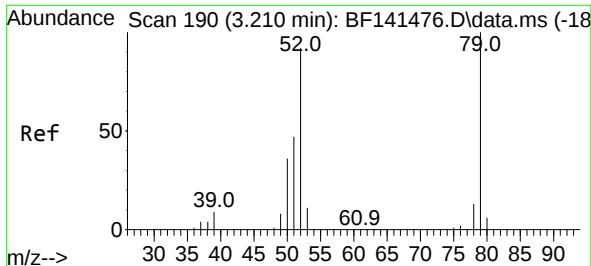
Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025



#2
 1,4-Dioxane
 Concen: 46.430 ng
 RT: 2.540 min Scan# 76
 Delta R.T. 0.059 min
 Lab File: BF141763.D
 Acq: 25 Feb 2025 14:36

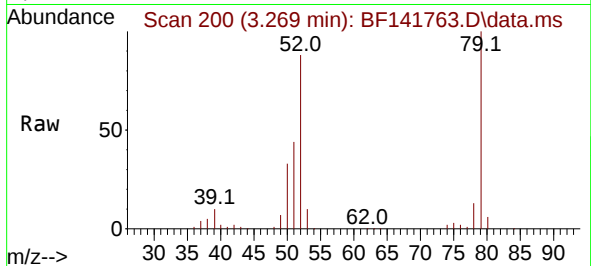
Tgt Ion: 88 Resp: 90202
 Ion Ratio Lower Upper
 88 100
 58 86.2 71.1 106.7
 43 34.2 30.6 46.0





#3
Pyridine
Concen: 43.847 ng
RT: 3.269 min Scan# 20
Delta R.T. 0.053 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

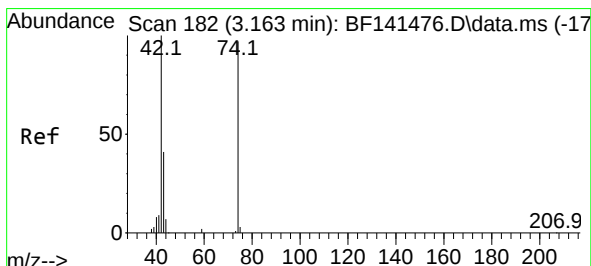
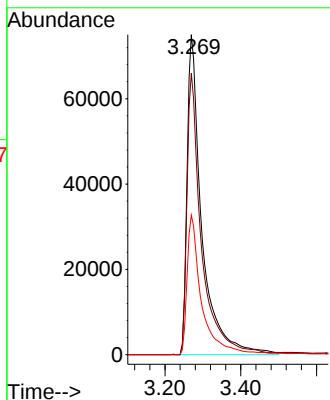
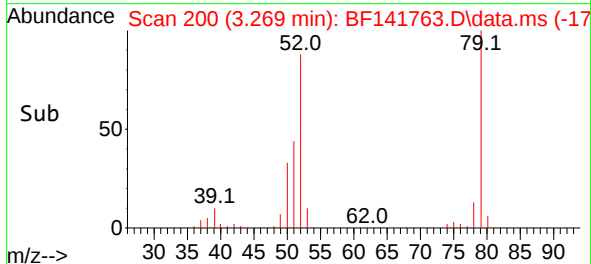
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



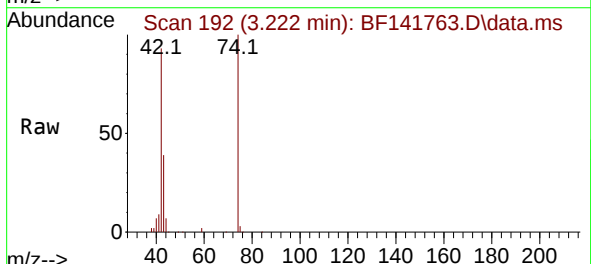
Tgt Ion: 79 Resp: 202708
Ion Ratio Lower Upper
79 100
52 88.0 73.7 110.5
51 43.6 37.5 56.3

Manual Integrations
APPROVED

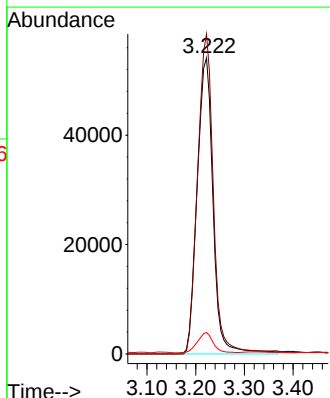
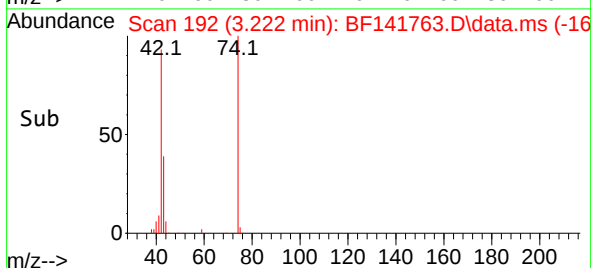
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#4
n-Nitrosodimethylamine
Concen: 40.369 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.036 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



Tgt Ion: 42 Resp: 123575
Ion Ratio Lower Upper
42 100
74 108.1 78.0 117.0
44 7.3 5.4 8.2





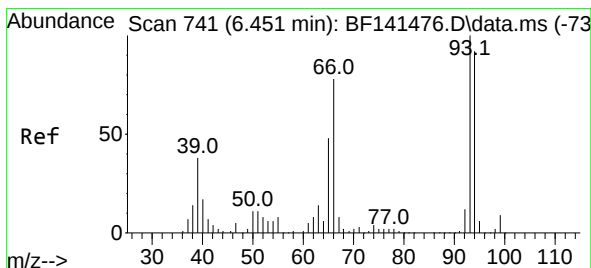
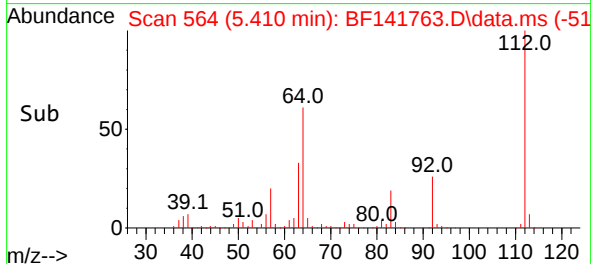
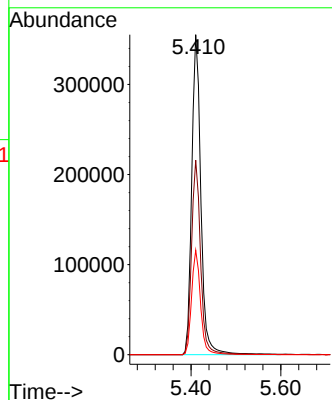
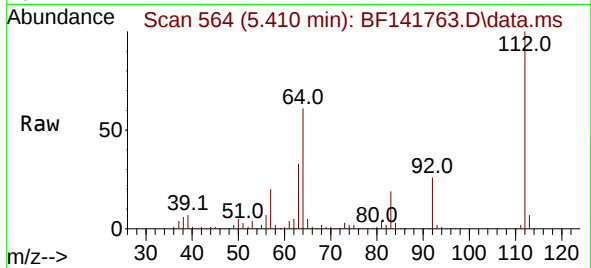
#5
2-Fluorophenol
Concen: 104.223 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

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

Tgt Ion:112 Resp: 503080
Ion Ratio Lower Upper
112 100
64 60.8 51.1 76.7
63 32.6 28.4 42.6

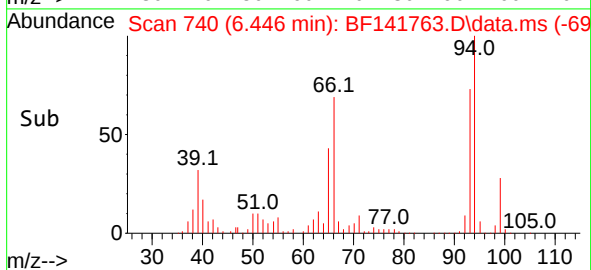
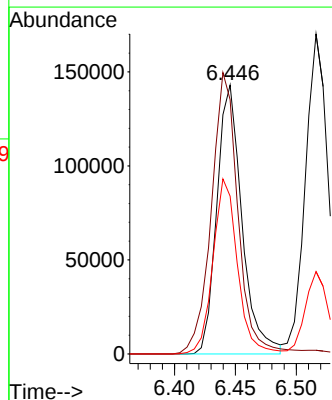
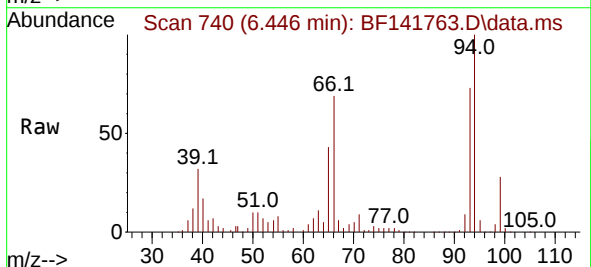
Manual Integrations
APPROVED

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



#6
Aniline
Concen: 35.900 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

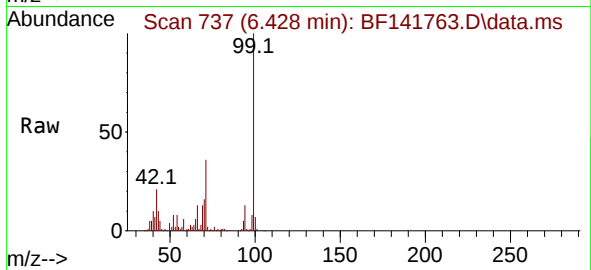
Tgt Ion: 93 Resp: 205453
Ion Ratio Lower Upper
93 100
66 94.5 62.6 94.0#
65 58.7 38.3 57.5#





#7
Phenol-d6
Concen: 101.458 ng
RT: 6.428 min Scan# 713
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

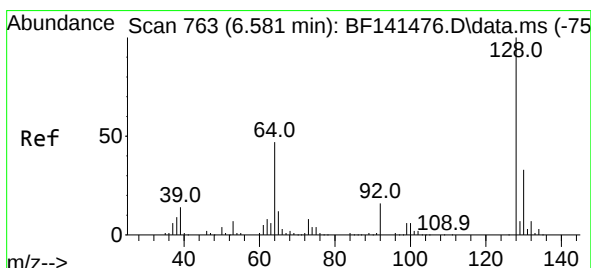
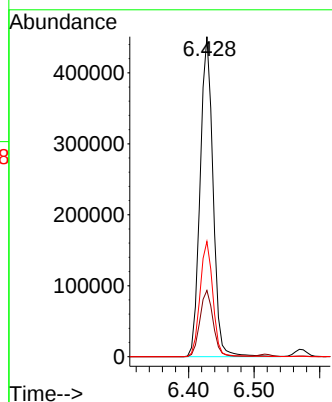
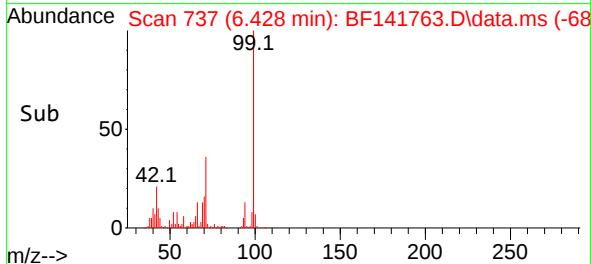
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



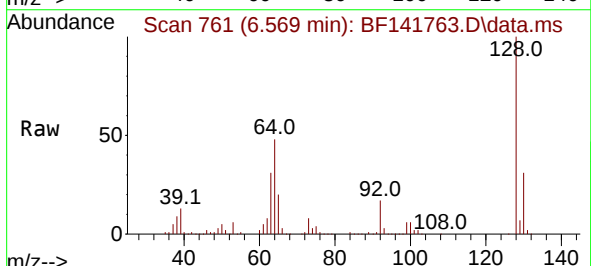
Tgt Ion: 99 Resp: 61899
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 36.0 31.1 46.7

Manual Integrations
APPROVED

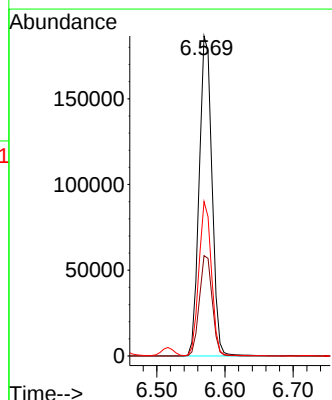
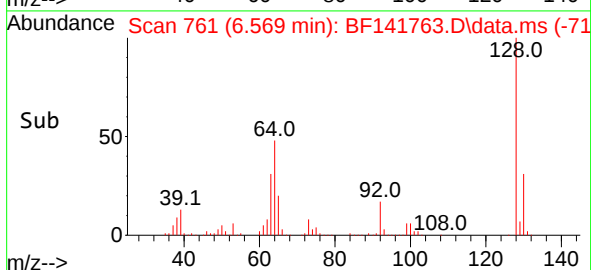
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#8
2-Chlorophenol
Concen: 46.538 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



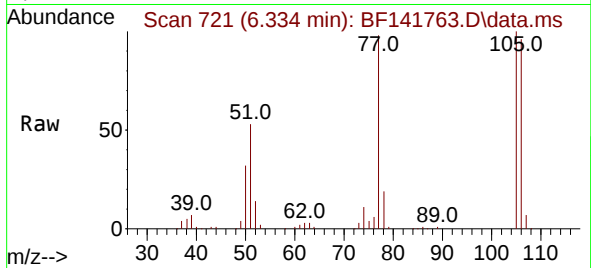
Tgt Ion:128 Resp: 242733
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 48.3 28.3 68.3





#9
Benzaldehyde
Concen: 28.972 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

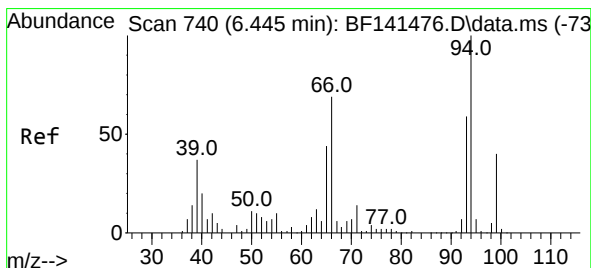
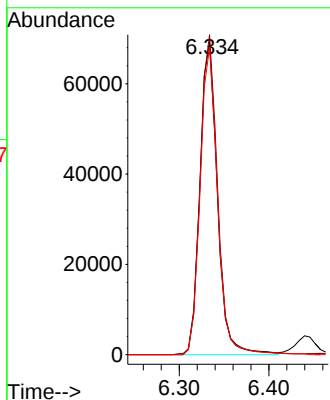
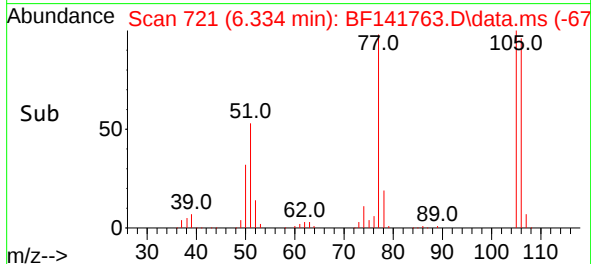
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 77 Resp: 93929
Ion Ratio Lower Upper
77 100
105 102.5 79.4 119.4
106 98.4 75.1 115.1

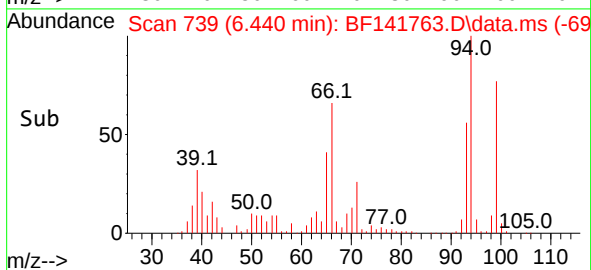
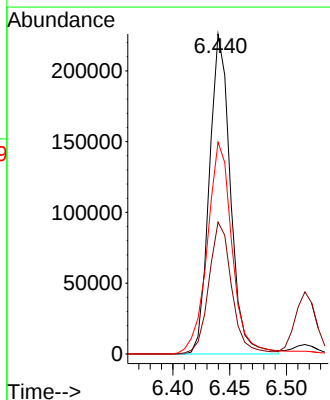
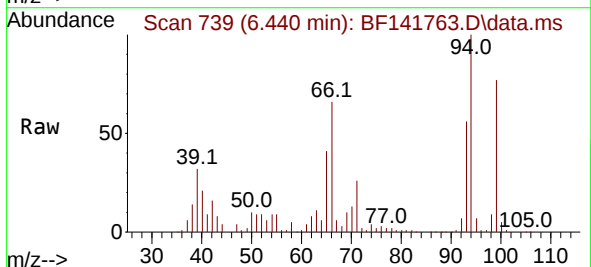
Manual Integrations
APPROVED

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



#10
Phenol
Concen: 45.987 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

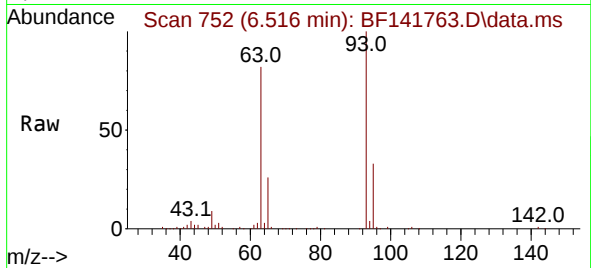
Tgt Ion: 94 Resp: 292013
Ion Ratio Lower Upper
94 100
65 41.2 23.7 63.7
66 66.2 49.3 89.3





#11
bis(2-Chloroethyl)ether
Concen: 46.126 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

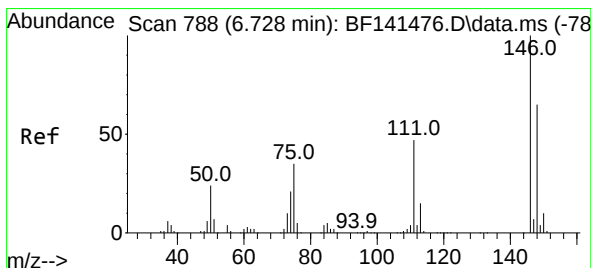
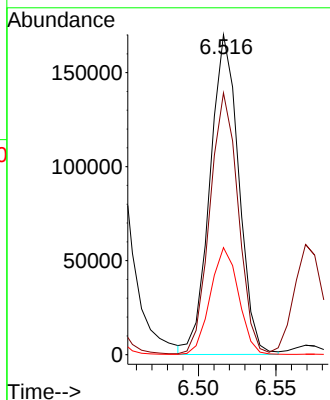
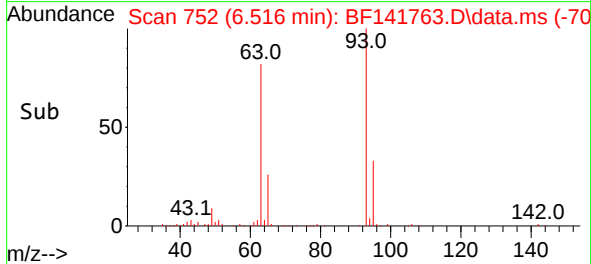
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 93 Resp: 219990
Ion Ratio Lower Upper
93 100
63 81.8 62.0 102.0
95 33.5 12.6 52.6

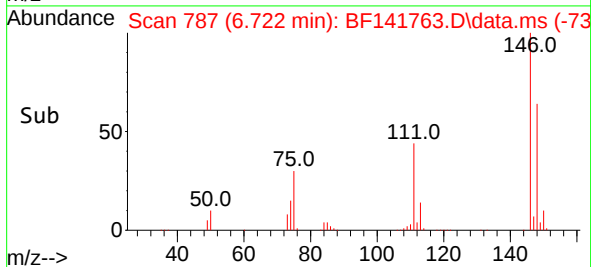
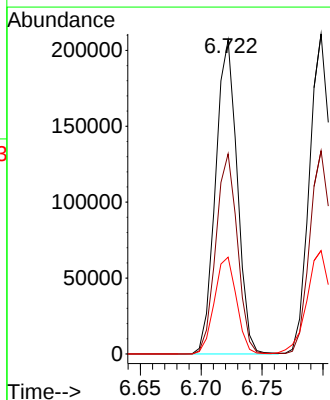
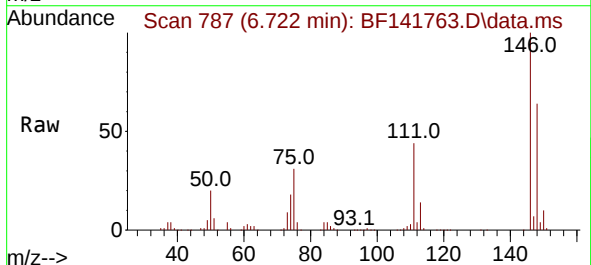
Manual Integrations
APPROVED

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



#12
1,3-Dichlorobenzene
Concen: 46.541 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:146 Resp: 256275
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
75 30.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 46.492 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.011 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:146 Resp: 26155

Ion Ratio Lower Upper

146 100

148 63.5 50.9 76.3

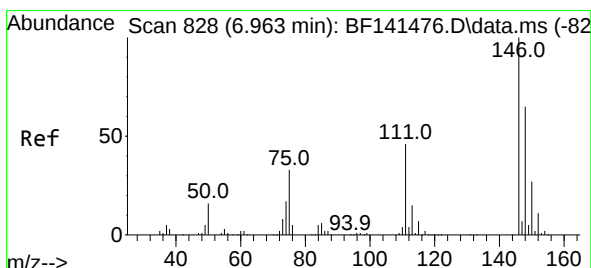
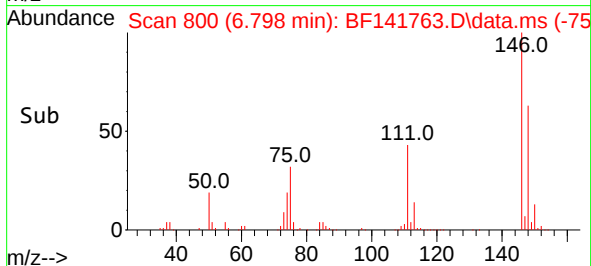
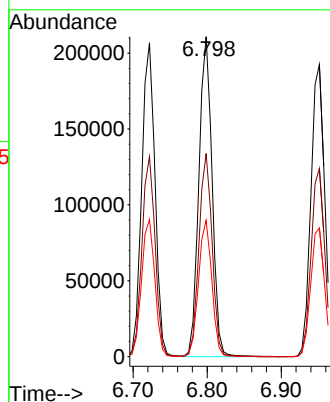
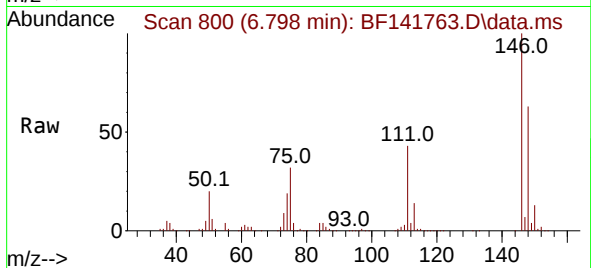
111 42.6 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#14

1,2-Dichlorobenzene

Concen: 47.684 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.011 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

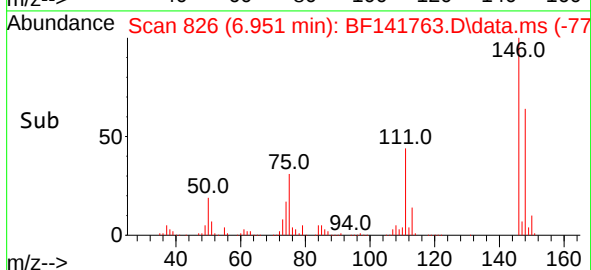
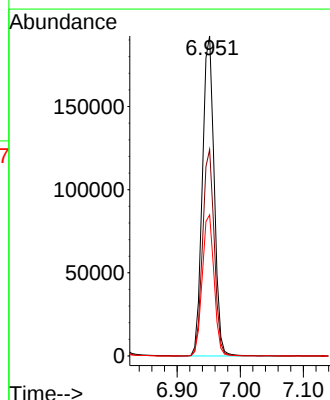
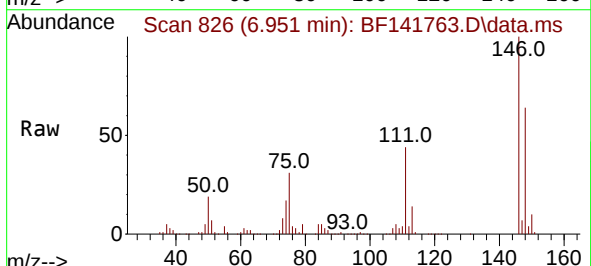
Tgt Ion:146 Resp: 248986

Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

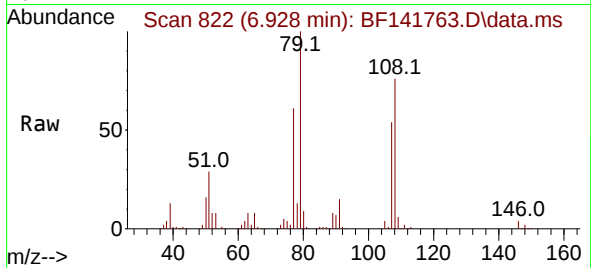
111 44.1 37.0 55.4





#15
Benzyl Alcohol
Concen: 43.003 ng
RT: 6.928 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

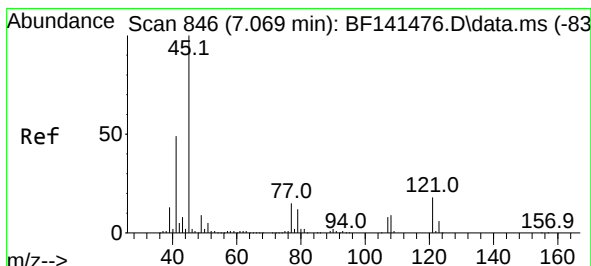
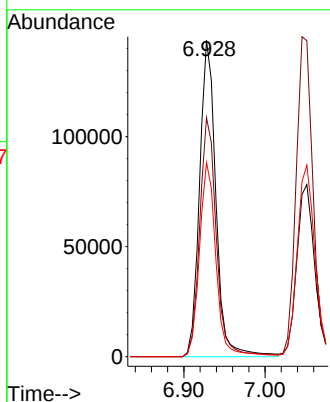
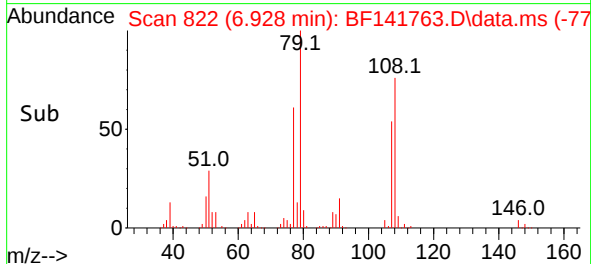
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 79 Resp: 201189
Ion Ratio Lower Upper
79 100
108 75.6 57.4 86.2
77 61.4 50.9 76.3

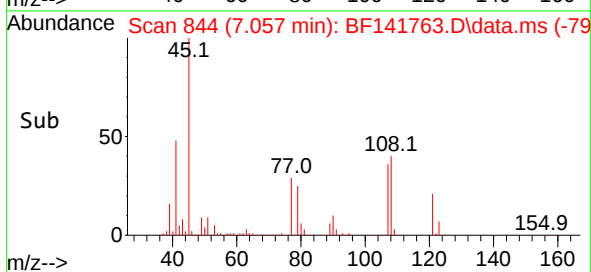
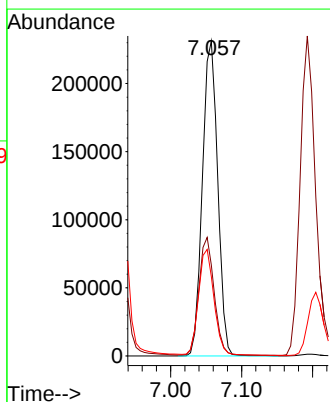
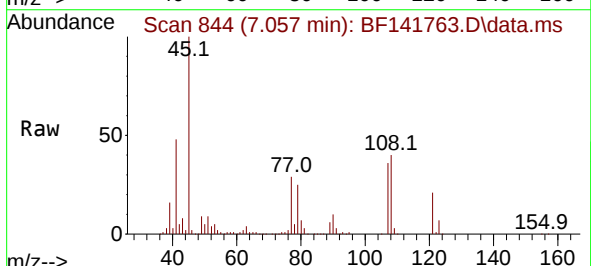
Manual Integrations
APPROVED

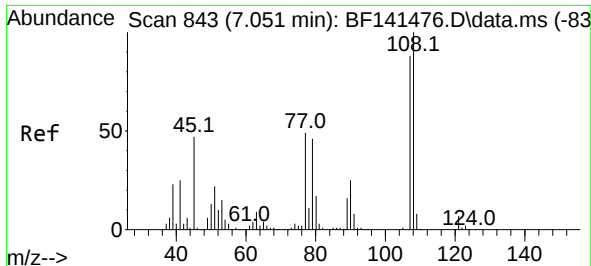
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.399 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

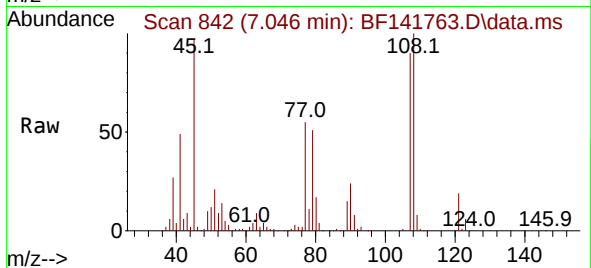
Tgt Ion: 45 Resp: 346162
Ion Ratio Lower Upper
45 100
77 28.9 0.0 35.8
79 25.2 0.0 32.7





#17
2-Methylphenol
Concen: 45.743 ng
RT: 7.046 min Scan# 842
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

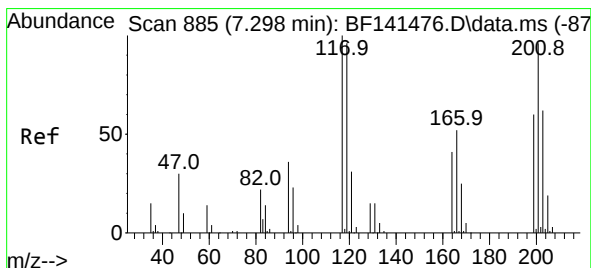
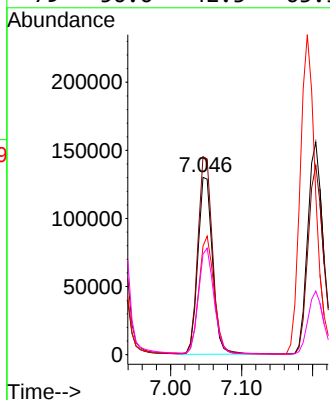
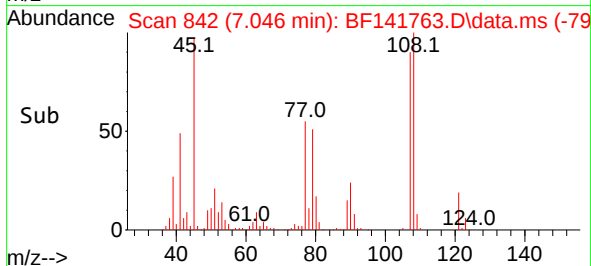
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:107 Resp: 186708
Ion Ratio Lower Upper
107 100
108 111.7 90.6 136.0
77 61.2 44.4 66.6
79 56.6 42.3 63.5

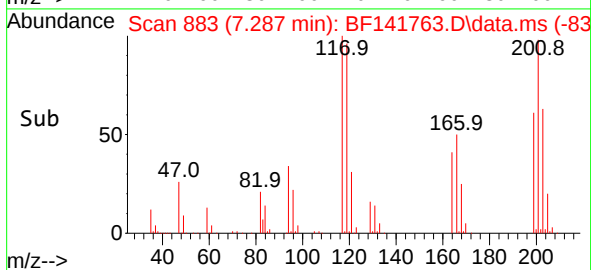
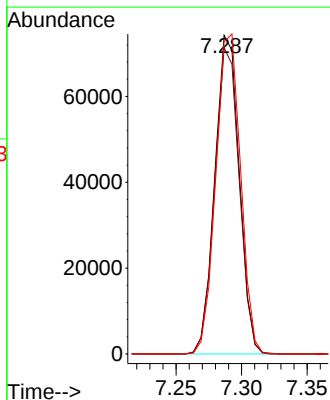
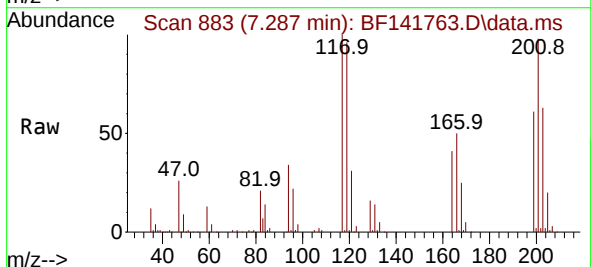
Manual Integrations
APPROVED

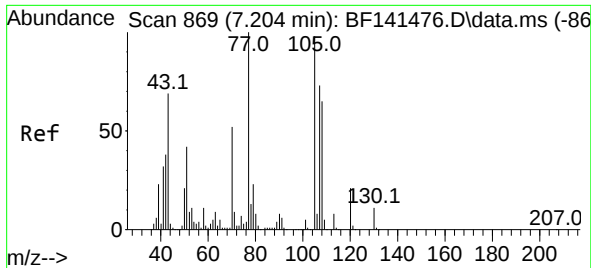
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#18
Hexachloroethane
Concen: 46.165 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

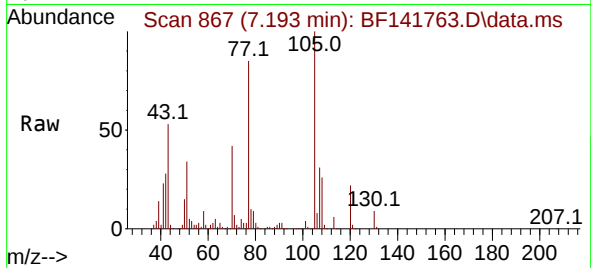
Tgt Ion:117 Resp: 96120
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7
201 98.0 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 45.054 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

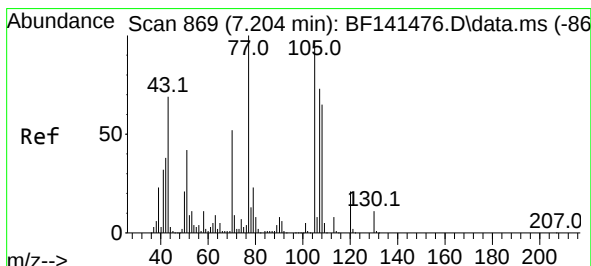
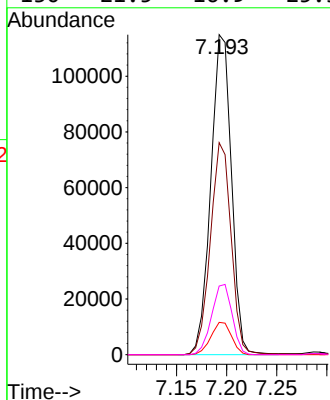
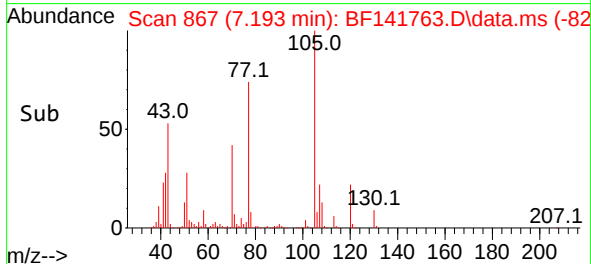
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



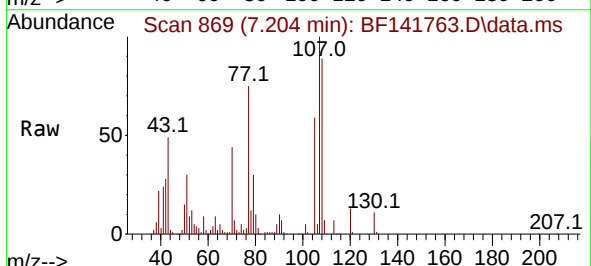
Tgt Ion: 70 Resp: 16441
Ion Ratio Lower Upper
70 100
42 66.2 57.4 86.2
101 10.1 8.0 12.0
130 21.5 16.9 25.3

Manual Integrations
APPROVED

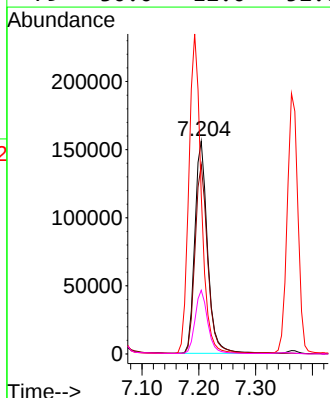
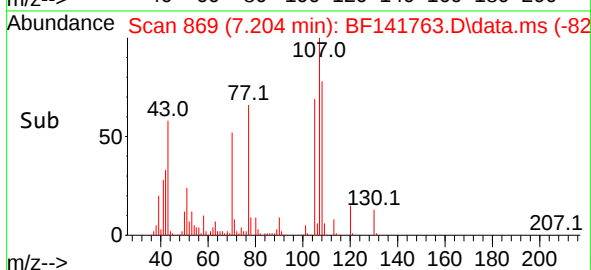
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

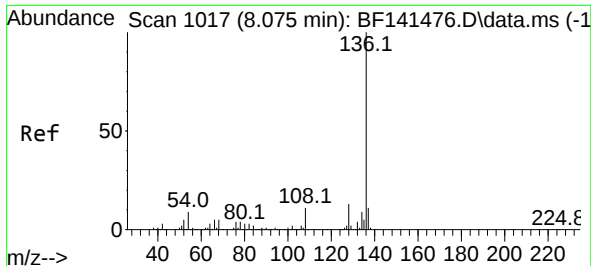


#20
3+4-Methylphenols
Concen: 46.956 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



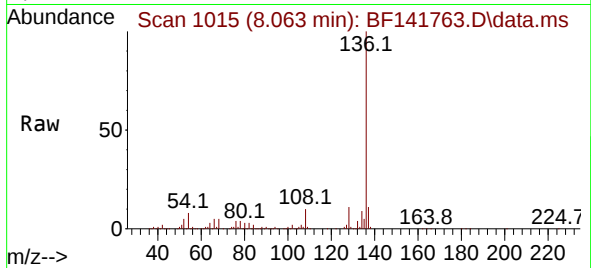
Tgt Ion:107 Resp: 243568
Ion Ratio Lower Upper
107 100
108 89.0 68.5 108.5
77 75.0 116.5 156.5#
79 30.0 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

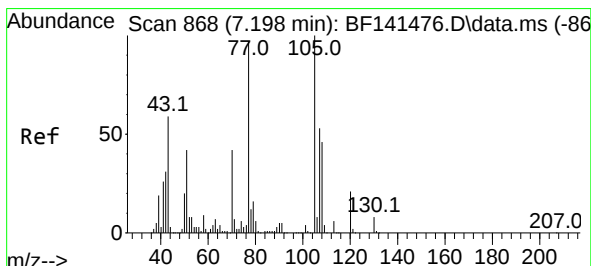
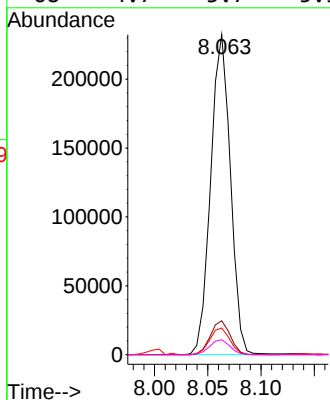
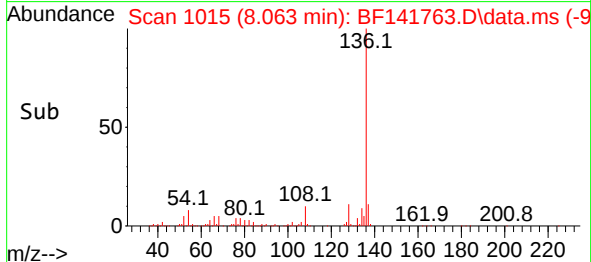
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



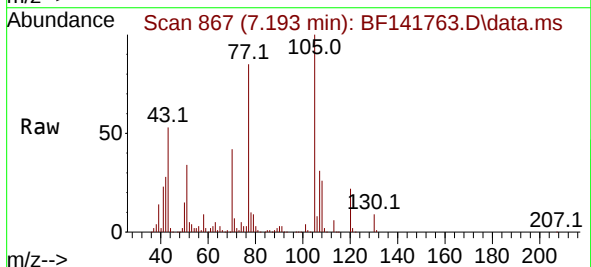
Tgt Ion:136 Resp: 299933
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.4 7.2 10.8
68 4.7 3.7 5.5

Manual Integrations
APPROVED

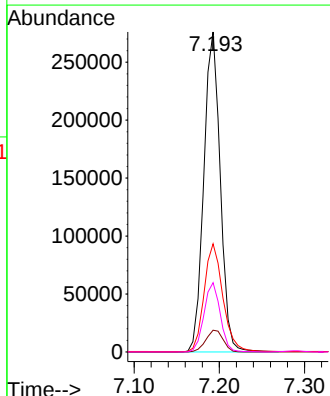
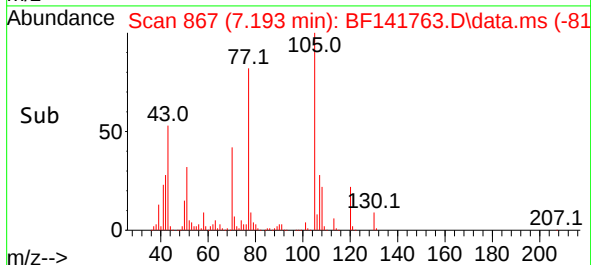
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#22
Acetophenone
Concen: 49.650 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



Tgt Ion:105 Resp: 370440
Ion Ratio Lower Upper
105 100
71 6.8 5.7 8.5
51 33.8 33.7 50.5
120 21.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 67.904 ng

RT: 7.346 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

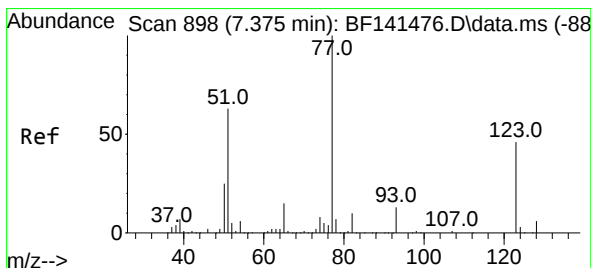
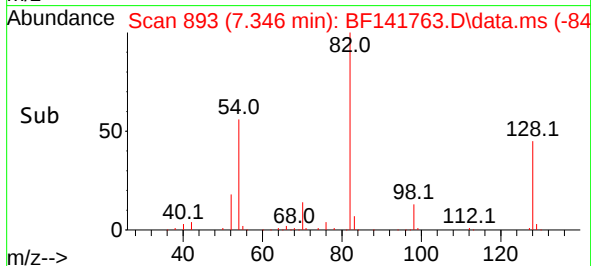
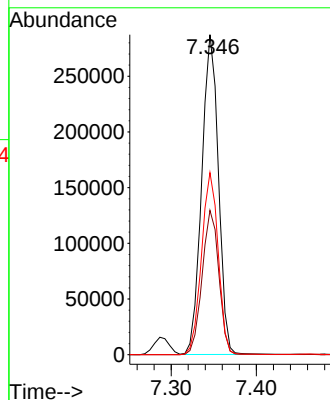
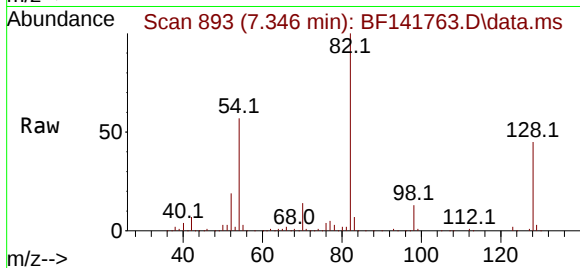
ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion: 82 Resp: 390477
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.8 52.2
 54 56.9 48.2 72.4

Manual Integrations
 APPROVED

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



#24

Nitrobenzene

Concen: 44.400 ng

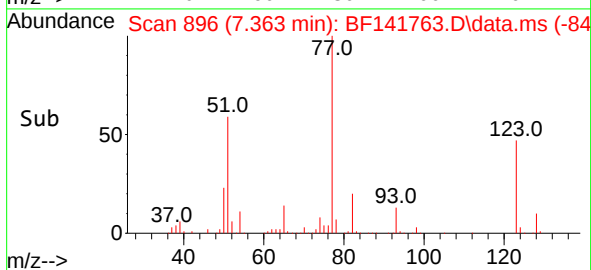
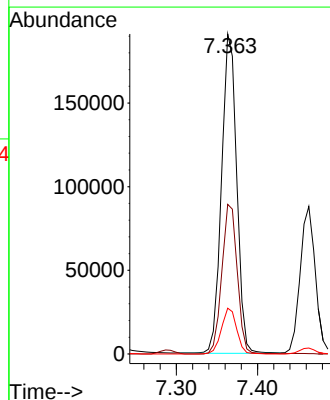
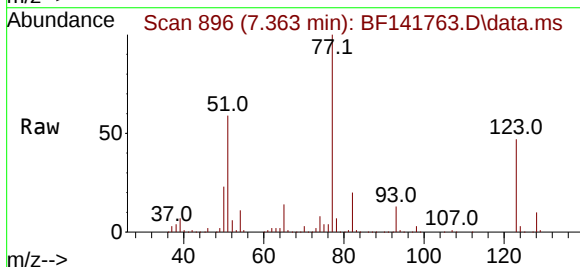
RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

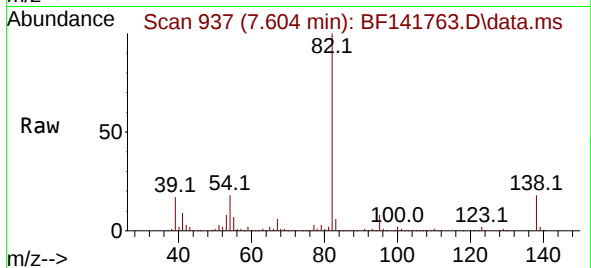
Tgt Ion: 77 Resp: 248969
 Ion Ratio Lower Upper
 77 100
 123 46.8 36.9 55.3
 65 14.3 11.9 17.9





#25
Isophorone
Concen: 47.396 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

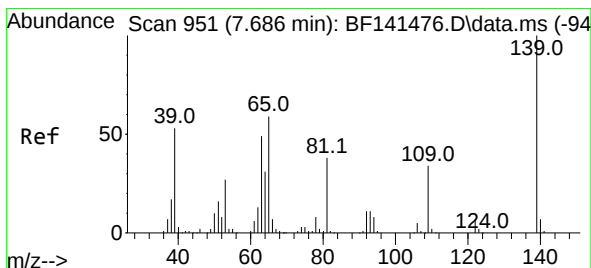
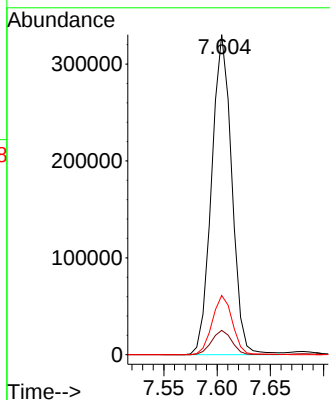
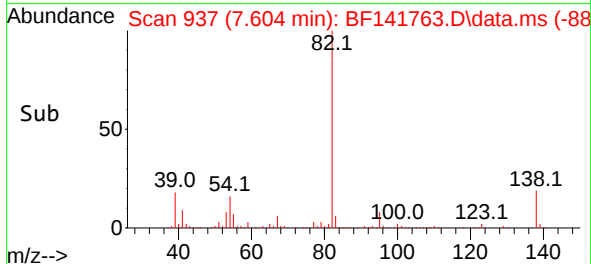
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



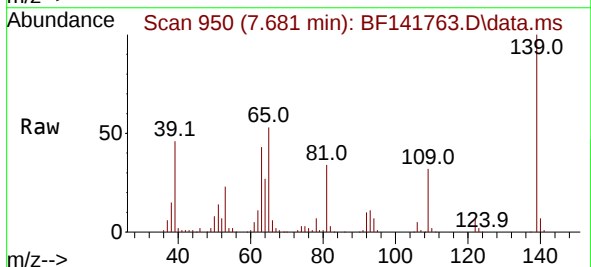
Tgt Ion: 82 Resp: 434574
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 18.5 13.9 20.9

Manual Integrations
APPROVED

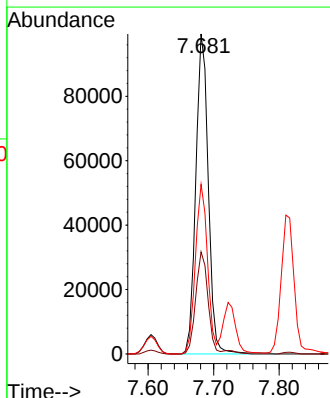
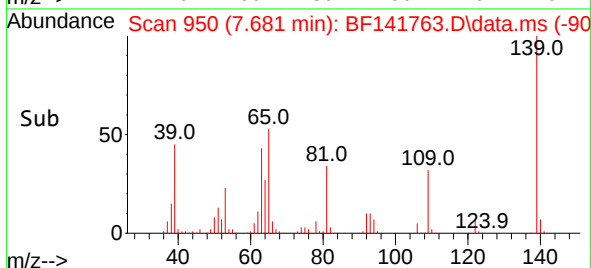
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#26
2-Nitrophenol
Concen: 47.227 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



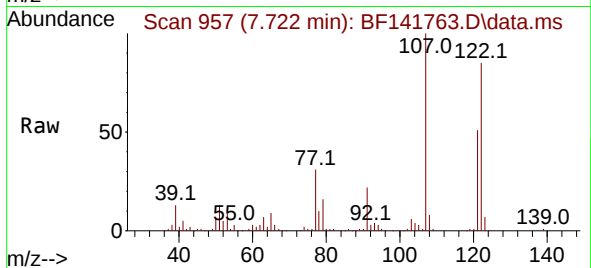
Tgt Ion:139 Resp: 131754
Ion Ratio Lower Upper
139 100
109 31.9 27.0 40.6
65 53.0 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 58.286 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

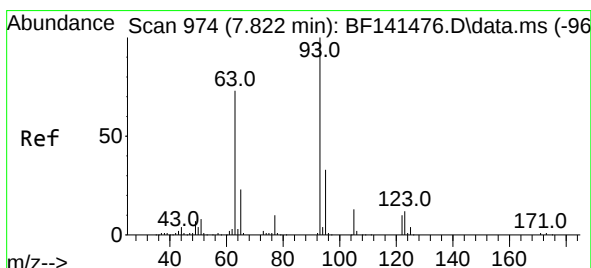
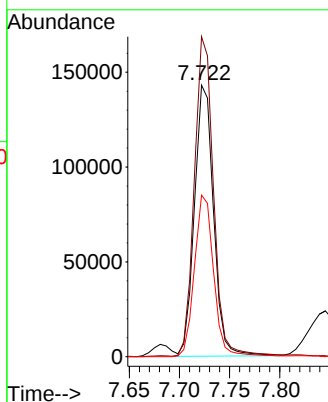
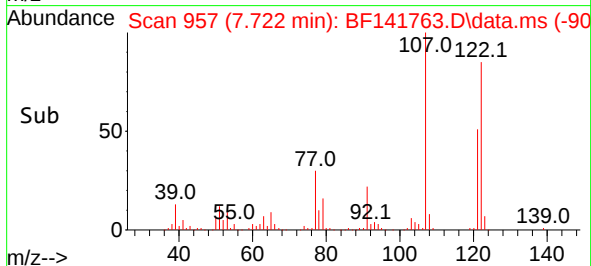
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:122 Resp: 18995
Ion Ratio Lower Upper
122 100
107 117.9 94.3 141.5
121 59.5 46.0 69.0

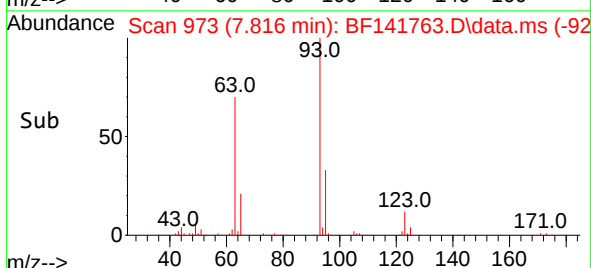
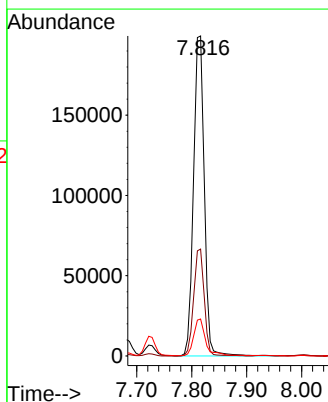
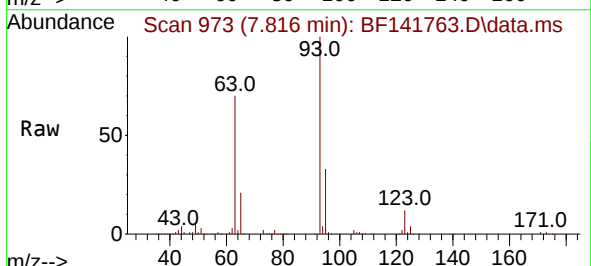
Manual Integrations
APPROVED

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



#28
bis(2-Chloroethoxy)methane
Concen: 46.272 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion: 93 Resp: 271858
Ion Ratio Lower Upper
93 100
95 33.4 26.1 39.1
123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 45.135 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141763.D

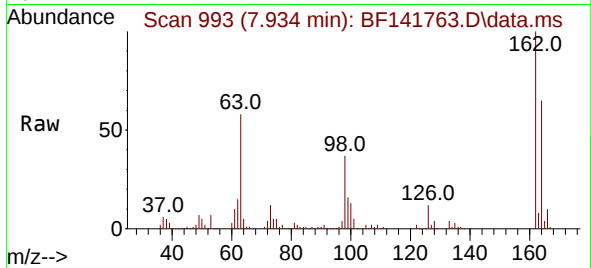
Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MSD



Tgt Ion:162 Resp: 198750

Ion Ratio Lower Upper

162 100

164 64.8 44.6 84.6

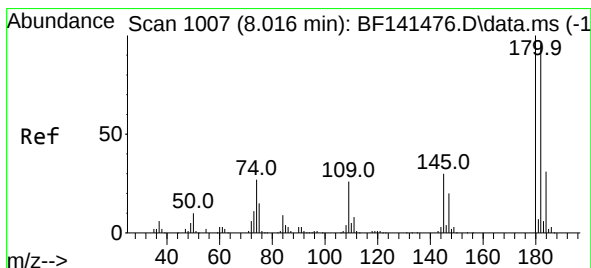
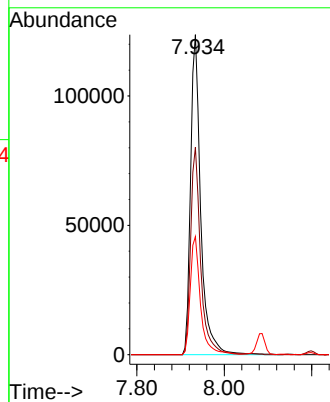
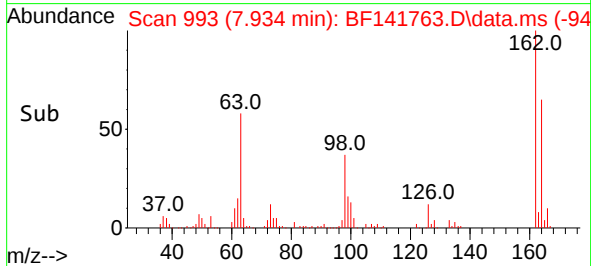
98 36.9 17.2 57.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.473 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.011 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

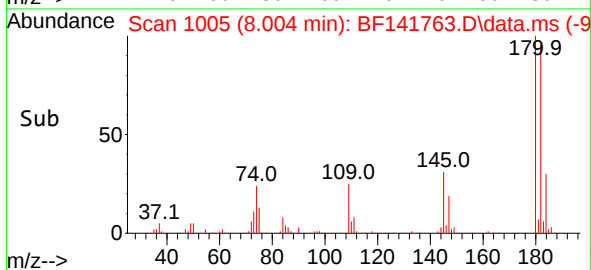
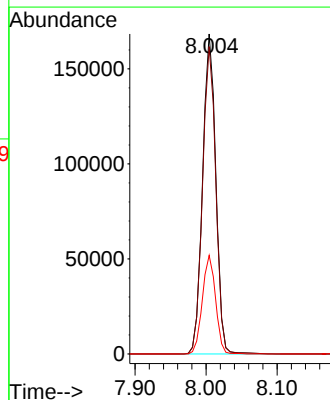
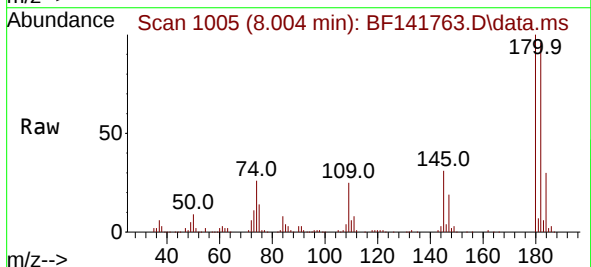
Tgt Ion:180 Resp: 218056

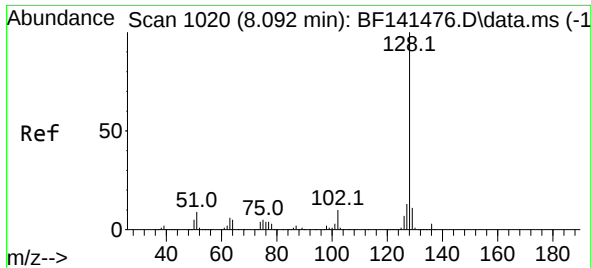
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

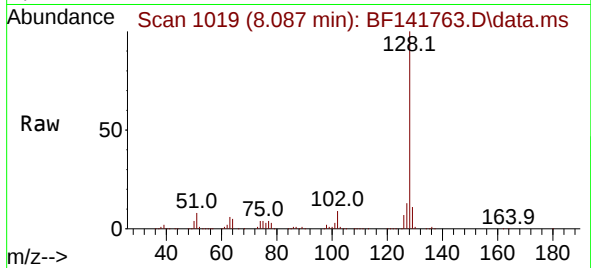
145 30.8 24.2 36.4





#31
Naphthalene
Concen: 44.540 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

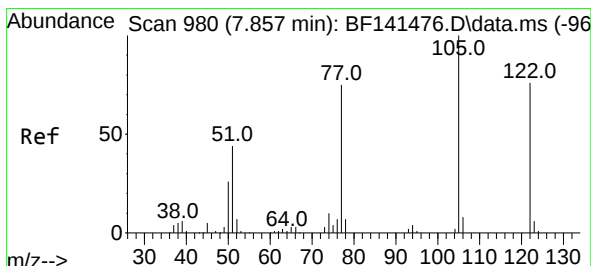
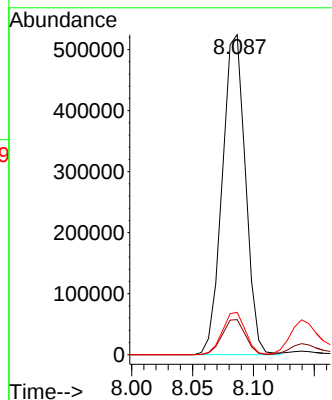
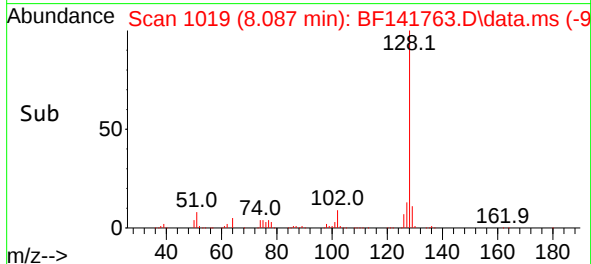
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:128 Resp: 695392
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.7 16.1

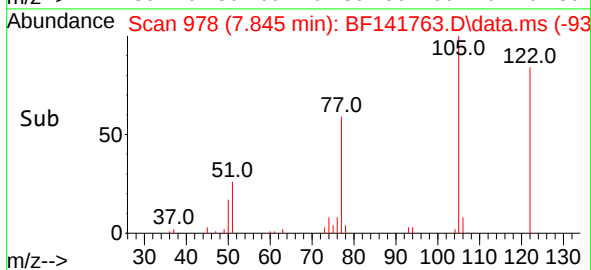
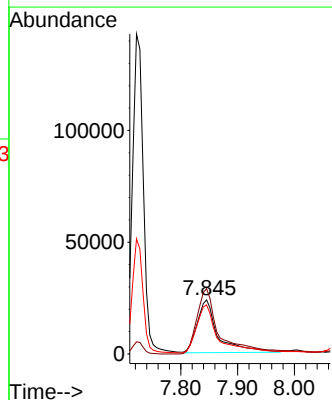
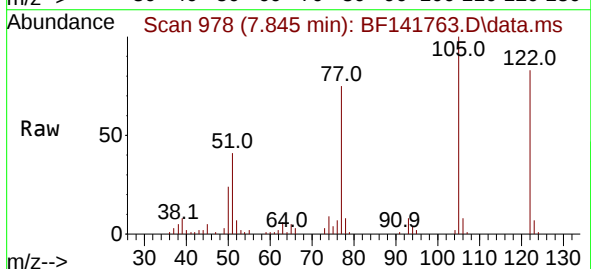
Manual Integrations
APPROVED

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



#32
Benzoic acid
Concen: 17.851 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:122 Resp: 60430
Ion Ratio Lower Upper
122 100
105 120.9 106.5 146.5
77 90.8 76.3 116.3





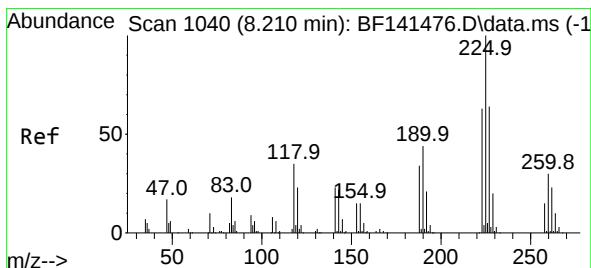
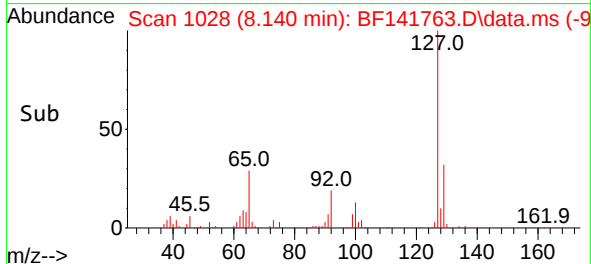
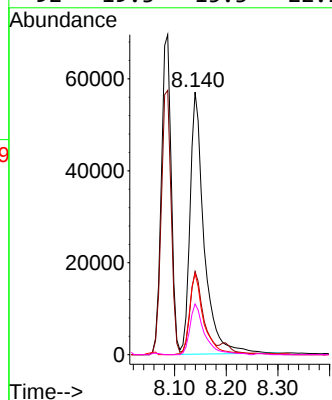
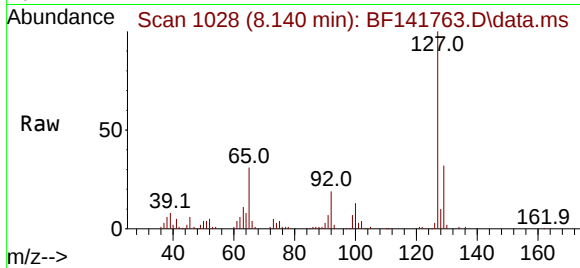
#33
4-Chloroaniline
Concen: 19.747 ng
RT: 8.140 min Scan# 1028
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

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

Tgt Ion:127 Resp: 107639
Ion Ratio Lower Upper
127 100
129 31.7 26.5 39.7
65 30.8 26.4 39.6
92 19.3 15.3 22.9

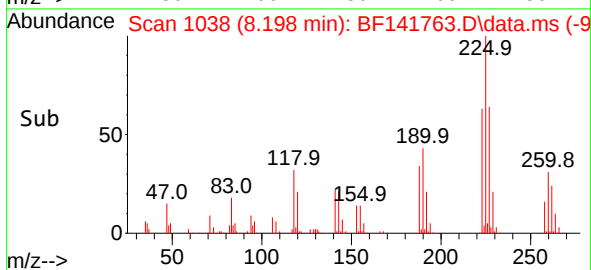
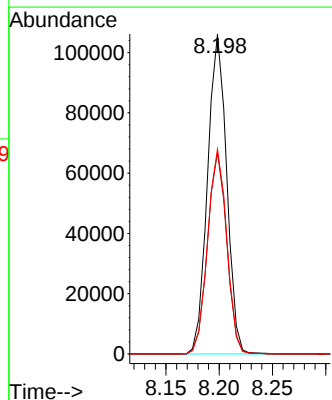
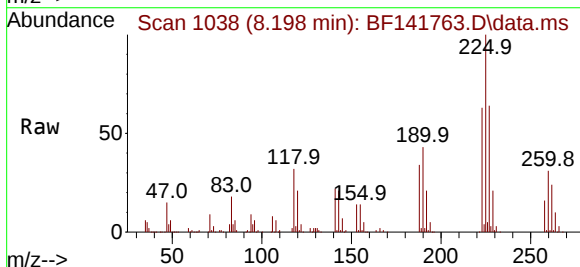
Manual Integrations
APPROVED

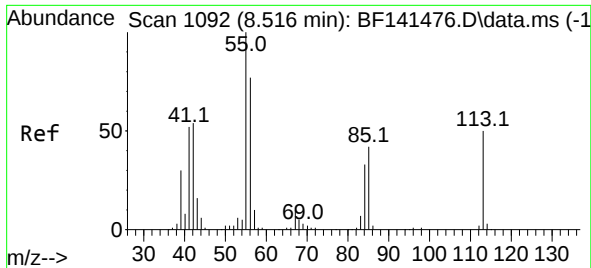
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#34
Hexachlorobutadiene
Concen: 46.070 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

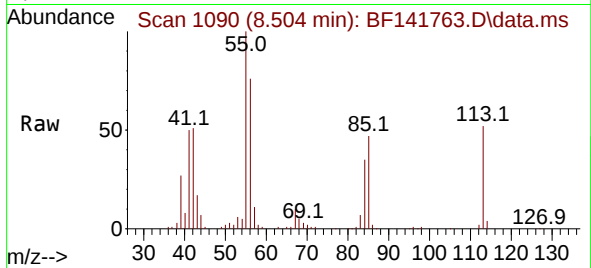
Tgt Ion:225 Resp: 132624
Ion Ratio Lower Upper
225 100
223 63.0 50.1 75.1
227 64.0 51.0 76.6





#35
 Caprolactam
 Concen: 46.193 ng m
 RT: 8.504 min Scan# 1092
 Delta R.T. -0.041 min
 Lab File: BF141763.D
 Acq: 25 Feb 2025 14:36

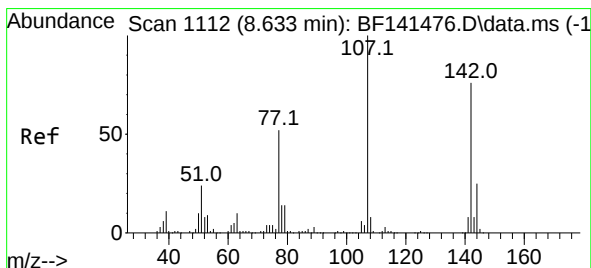
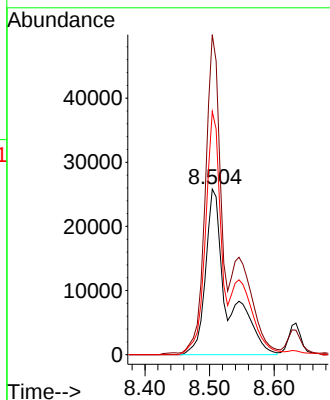
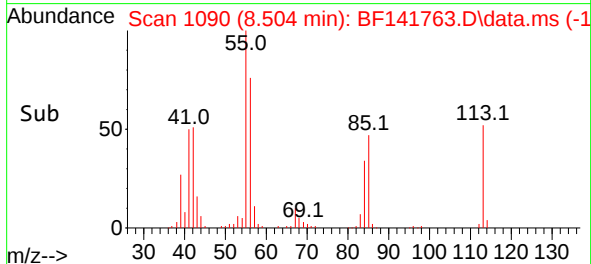
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01MSD



Tgt Ion:113 Resp: 6193
 Ion Ratio Lower Upper
 113 100
 55 193.2 180.8 220.8
 56 146.8 133.6 173.6

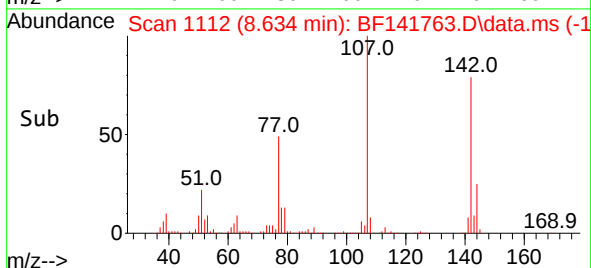
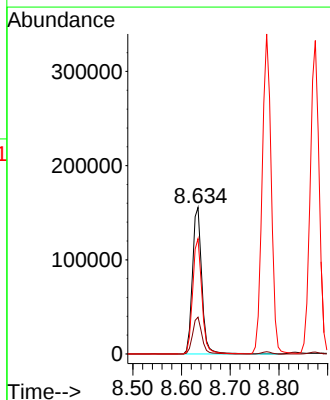
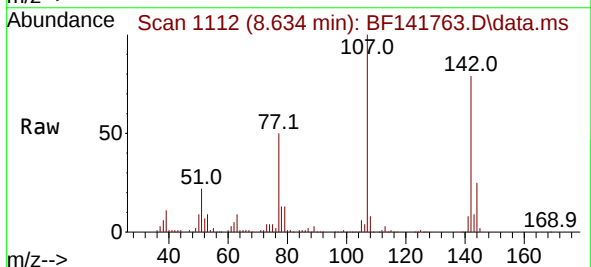
Manual Integrations
 APPROVED

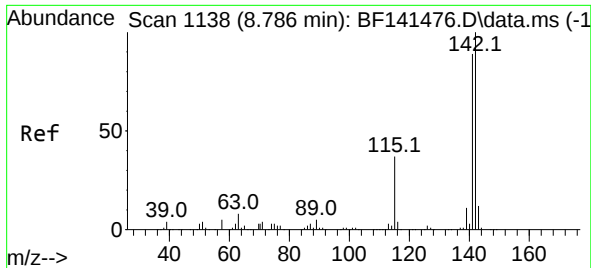
Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025



#36
 4-Chloro-3-methylphenol
 Concen: 42.944 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141763.D
 Acq: 25 Feb 2025 14:36

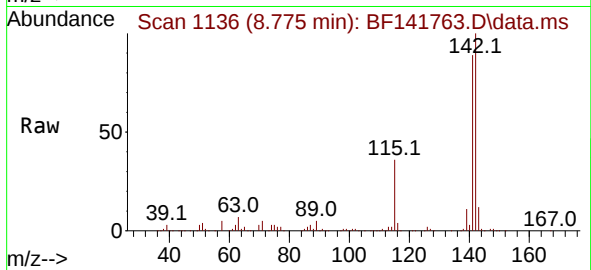
Tgt Ion:107 Resp: 209473
 Ion Ratio Lower Upper
 107 100
 144 25.2 19.7 29.5
 142 78.7 60.8 91.2





#37
2-Methylnaphthalene
Concen: 43.065 ng
RT: 8.775 min Scan# 1138
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

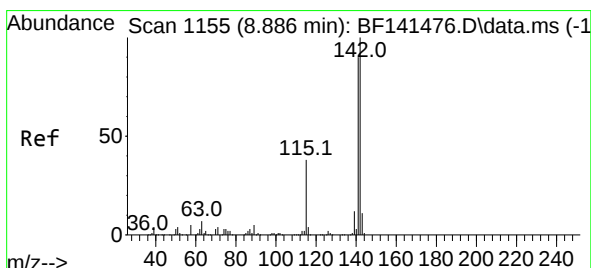
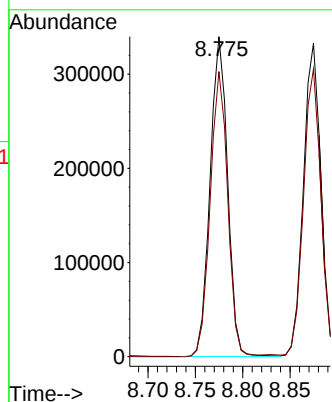
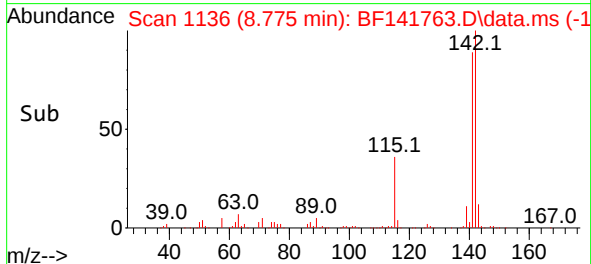
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:142 Resp: 43753
Ion Ratio Lower Upper
142 100
141 89.1 71.2 106.8

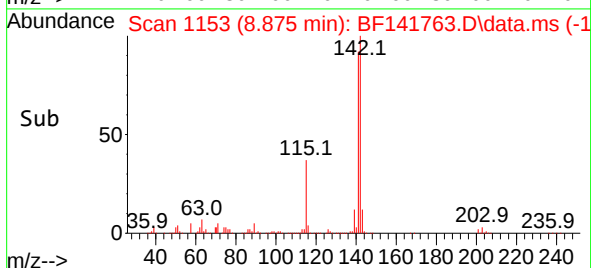
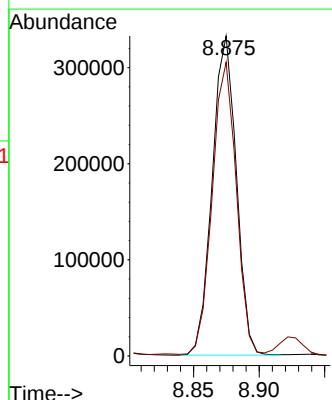
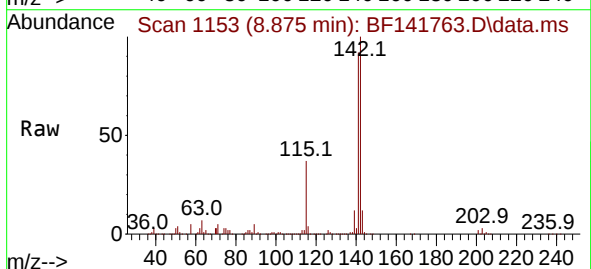
Manual Integrations
APPROVED

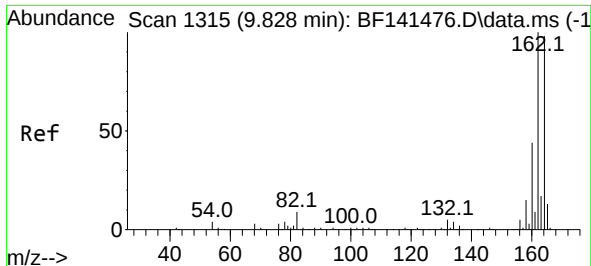
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#38
1-Methylnaphthalene
Concen: 43.132 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

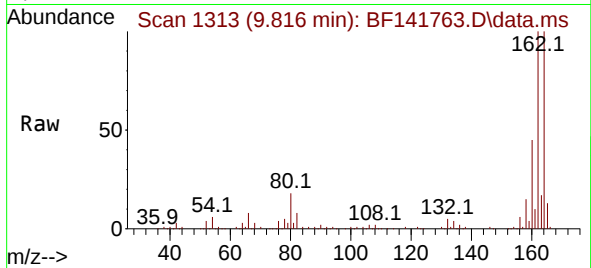
Tgt Ion:142 Resp: 424417
Ion Ratio Lower Upper
142 100
141 91.8 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1163
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

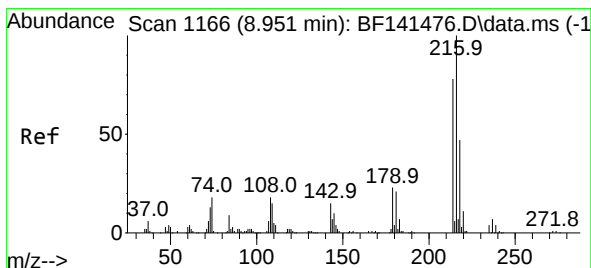
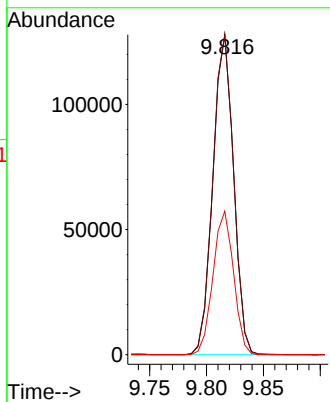
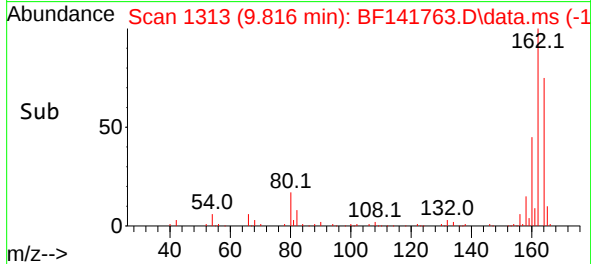
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:164 Resp: 161800
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 44.9 35.9 53.9

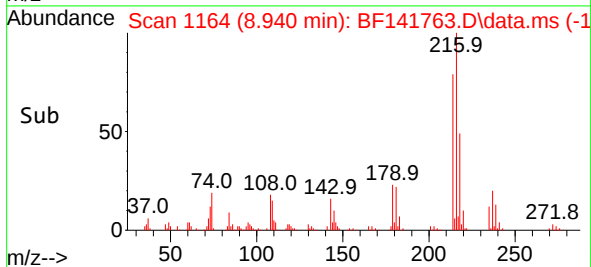
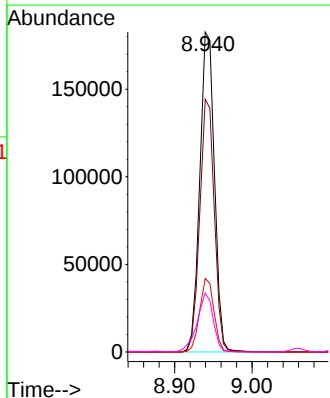
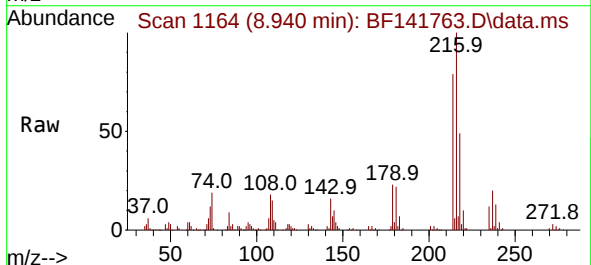
Manual Integrations
APPROVED

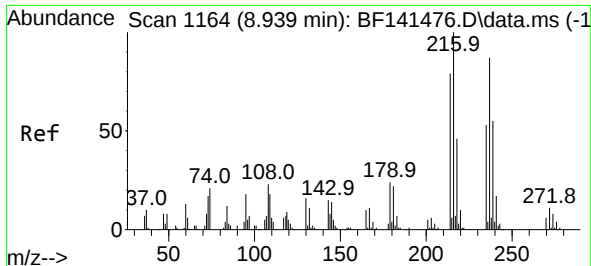
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.212 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

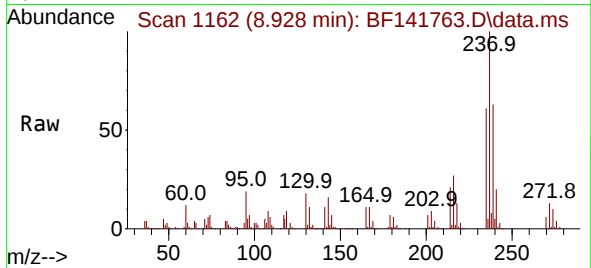
Tgt Ion:216 Resp: 239737
Ion Ratio Lower Upper
216 100
214 78.5 62.3 93.5
179 22.5 18.0 27.0
108 20.2 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 135.724 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

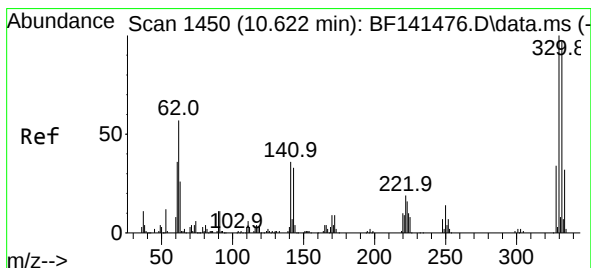
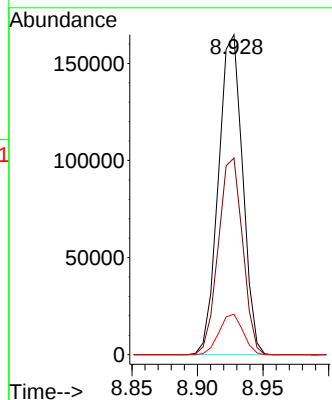
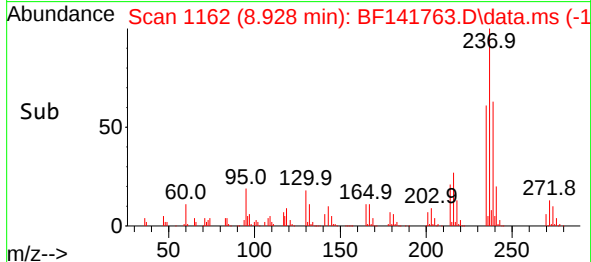
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



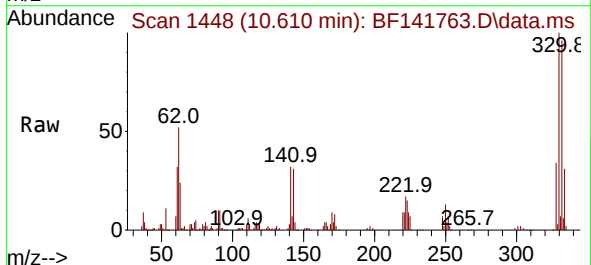
Tgt Ion:237 Resp: 211329
Ion Ratio Lower Upper
237 100
235 61.5 41.4 81.4
272 12.7 0.0 32.4

Manual Integrations
APPROVED

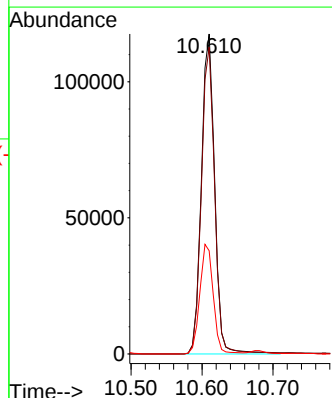
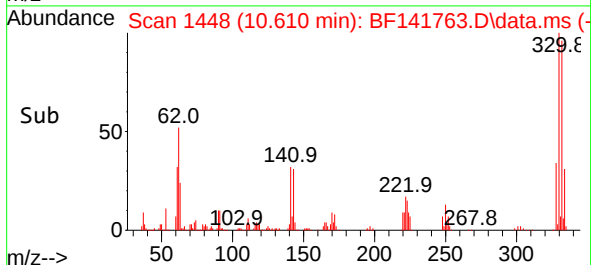
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

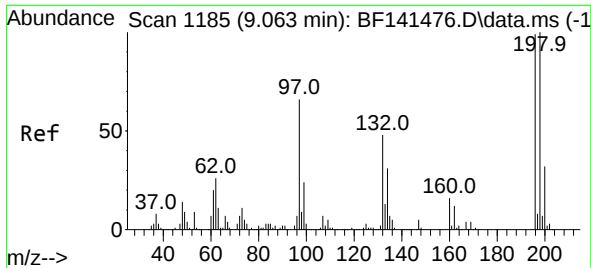


#42
2,4,6-Tribromophenol
Concen: 94.076 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



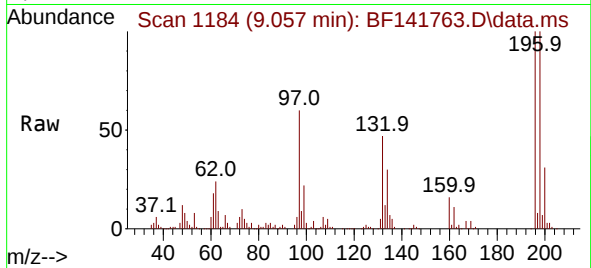
Tgt Ion:330 Resp: 152913
Ion Ratio Lower Upper
330 100
332 96.8 78.5 117.7
141 34.7 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 44.843 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

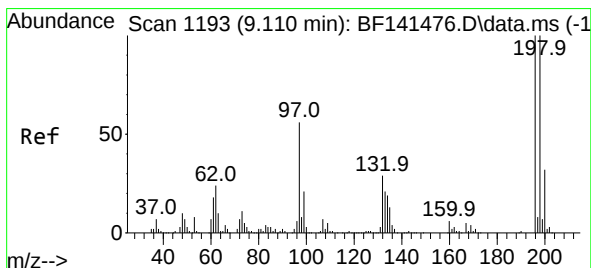
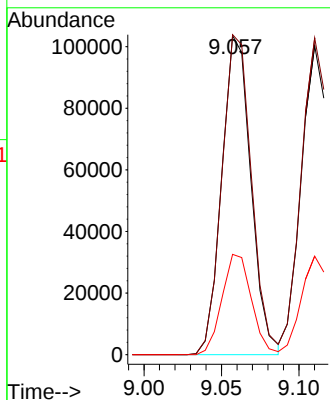
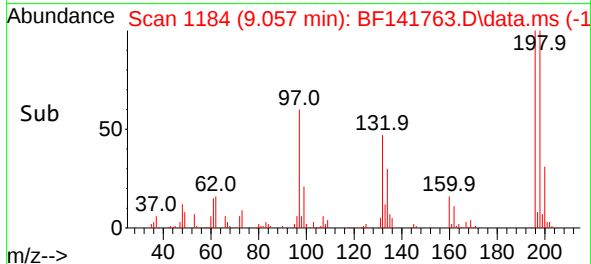
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:196 Resp: 135670
Ion Ratio Lower Upper
196 100
198 100.3 80.6 121.0
200 31.4 25.5 38.3

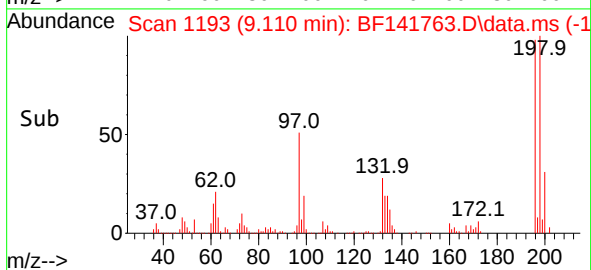
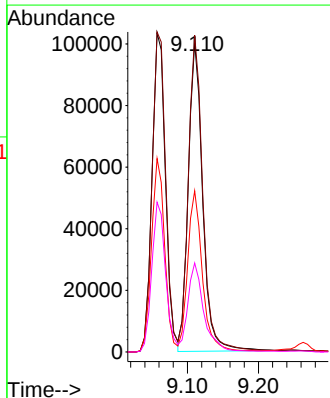
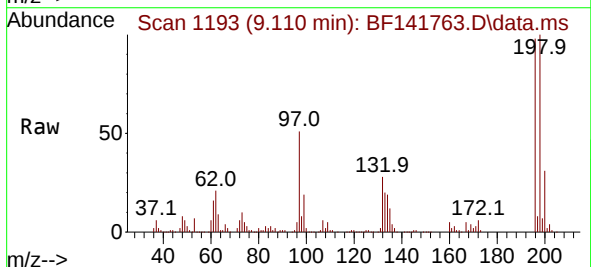
Manual Integrations
APPROVED

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



#44
2,4,5-Trichlorophenol
Concen: 43.112 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

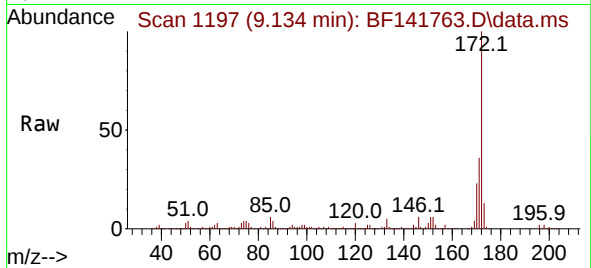
Tgt Ion:196 Resp: 141363
Ion Ratio Lower Upper
196 100
198 102.5 79.8 119.8
97 52.1 44.8 67.2
132 28.8 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 72.536 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

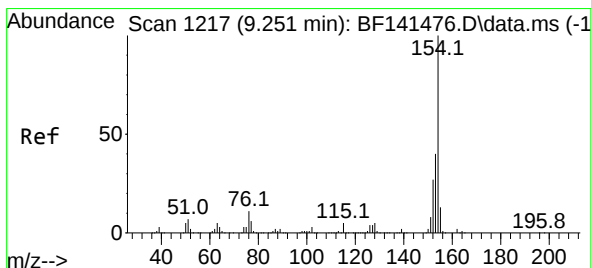
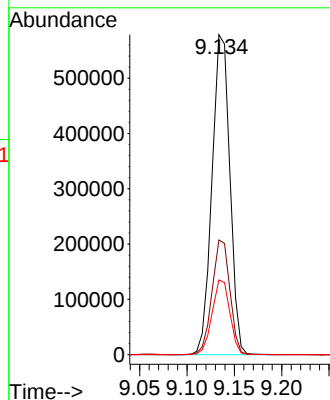
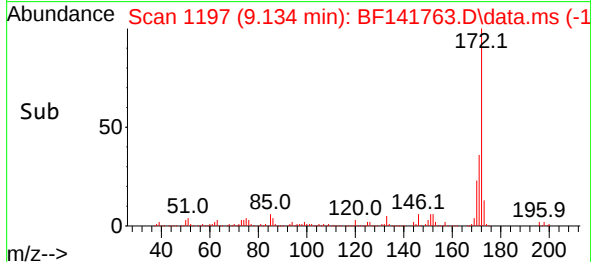
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:172 Resp: 76181
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.3 18.9 28.3

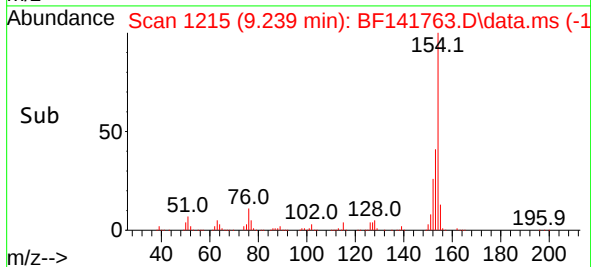
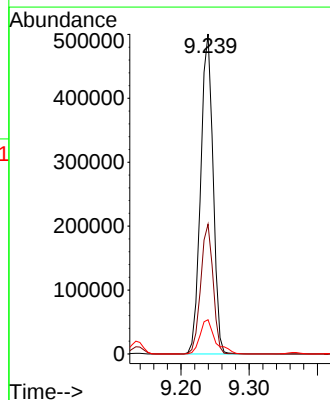
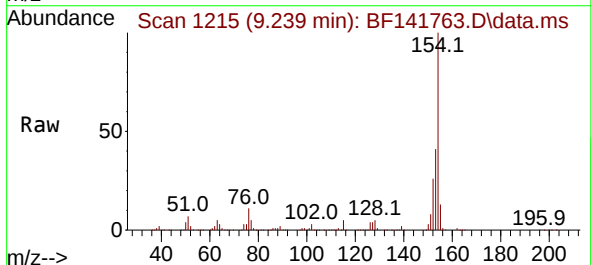
Manual Integrations
APPROVED

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



#46
1,1'-Biphenyl
Concen: 50.317 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:154 Resp: 631200
Ion Ratio Lower Upper
154 100
153 40.6 20.4 60.4
76 10.7 0.0 30.8





#47

2-Chloronaphthalene

Concen: 46.266 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

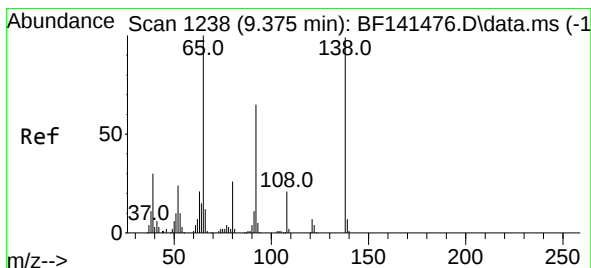
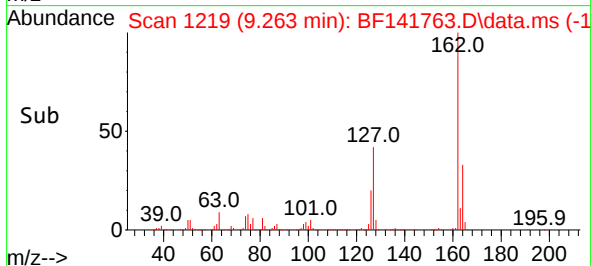
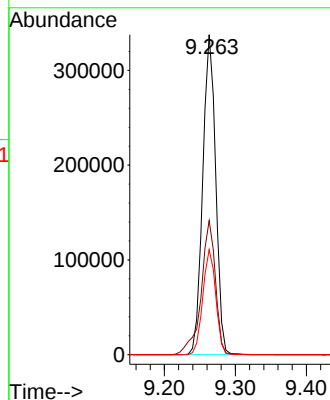
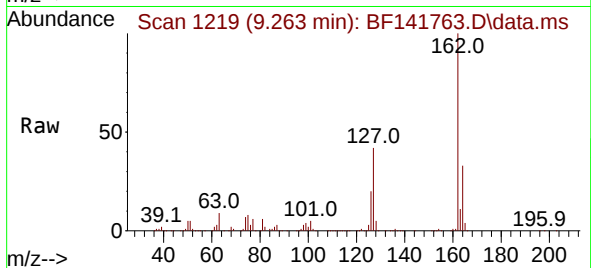
ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:162 Resp: 42918
 Ion Ratio Lower Upper
 162 100
 127 41.9 34.1 51.1
 164 32.9 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: 43.349 ng

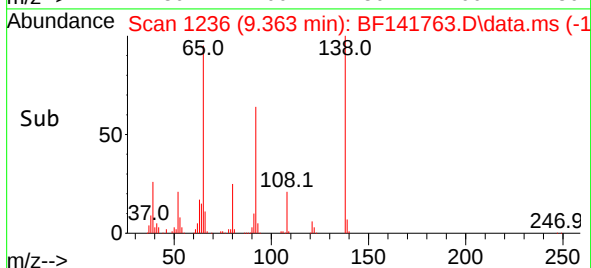
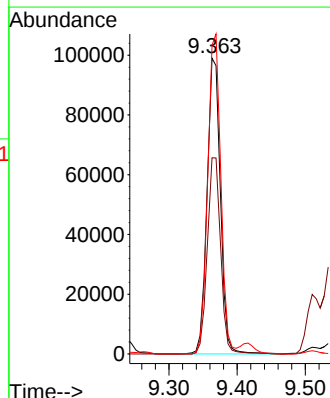
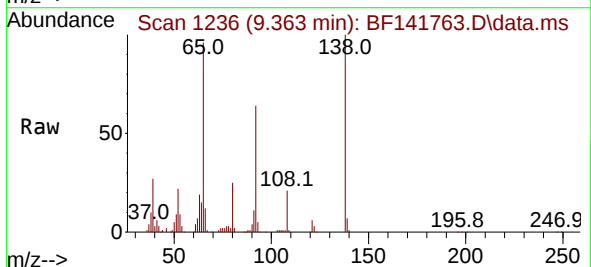
RT: 9.363 min Scan# 1236

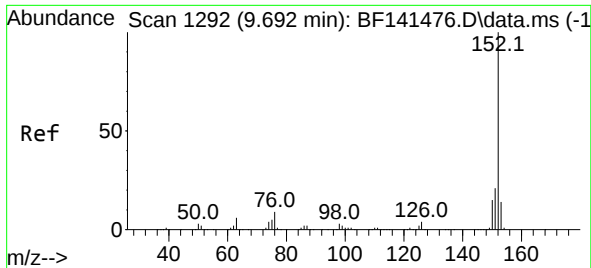
Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

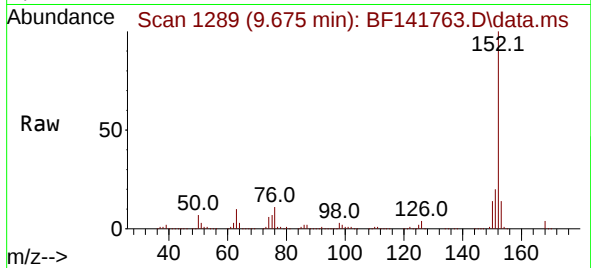
Tgt Ion: 65 Resp: 134953
 Ion Ratio Lower Upper
 65 100
 92 66.4 52.2 78.2
 138 104.5 79.5 119.3





#49
Acenaphthylene
Concen: 47.361 ng
RT: 9.675 min Scan# 1289
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

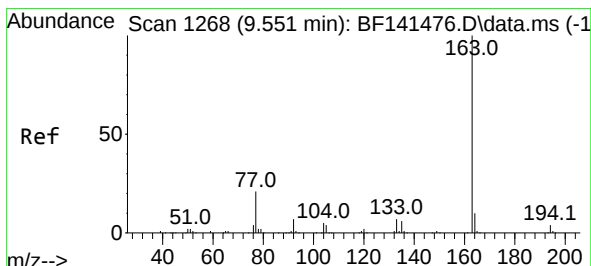
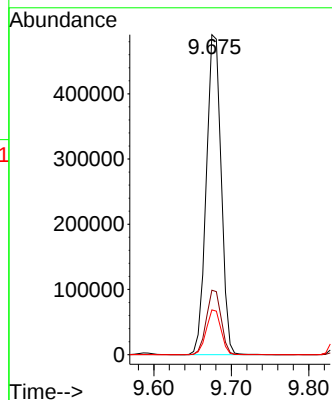
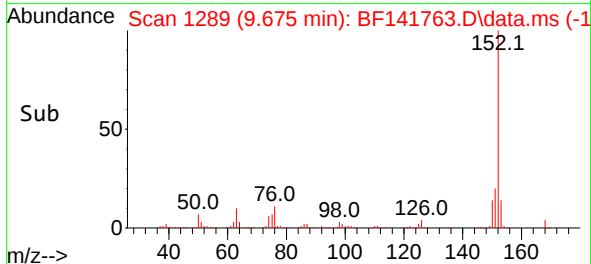
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



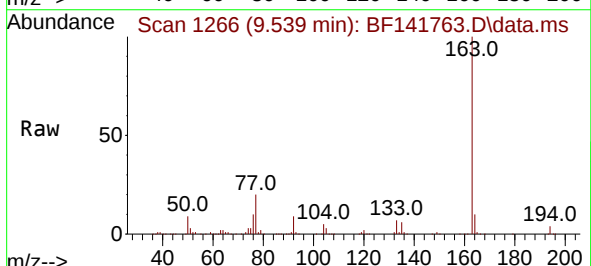
Tgt Ion:152 Resp: 65345
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 14.0 10.9 16.3

Manual Integrations
APPROVED

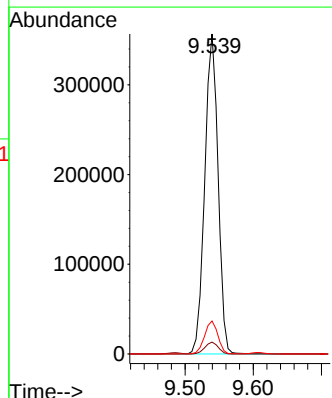
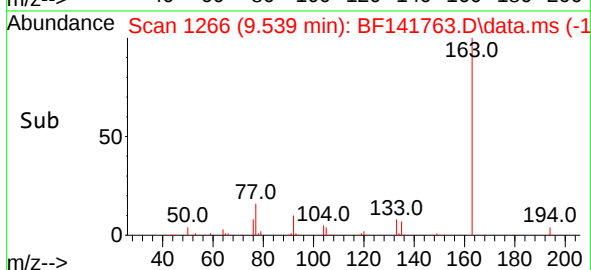
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

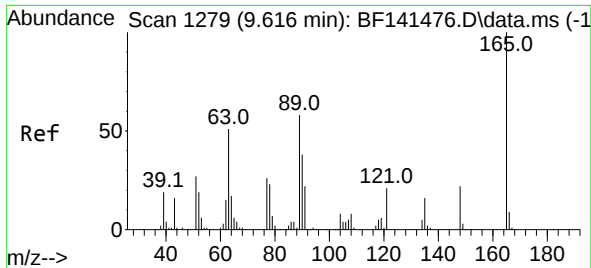


#50
Dimethylphthalate
Concen: 44.099 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



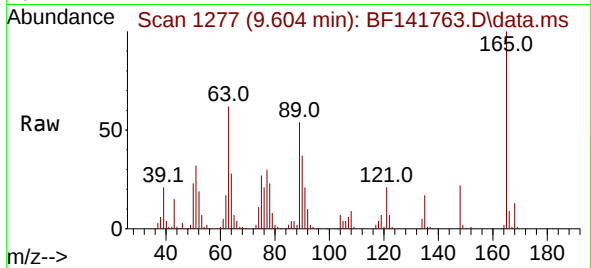
Tgt Ion:163 Resp: 484412
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 45.293 ng
RT: 9.604 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

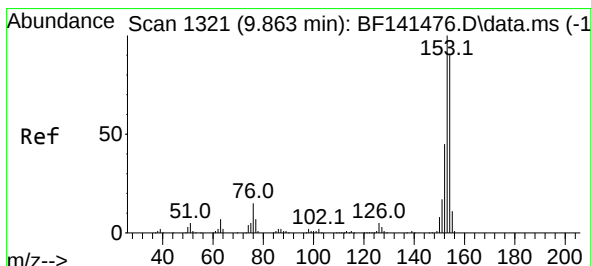
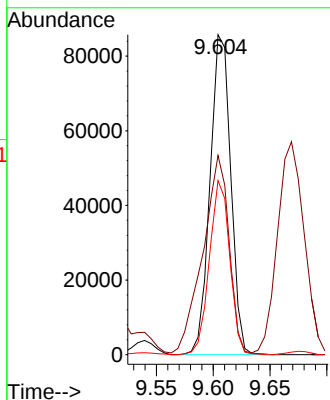
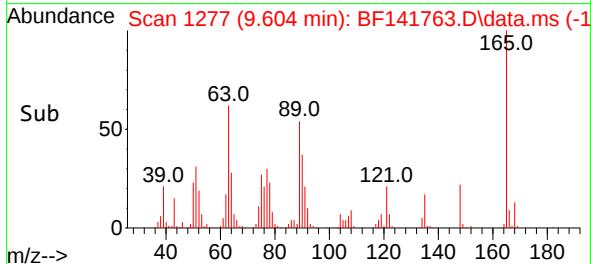
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:165 Resp: 108763
Ion Ratio Lower Upper
165 100
63 62.2 49.4 74.0
89 54.4 46.5 69.7

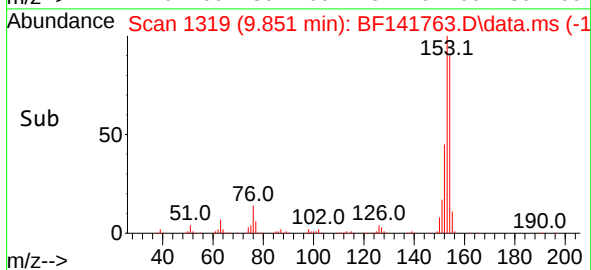
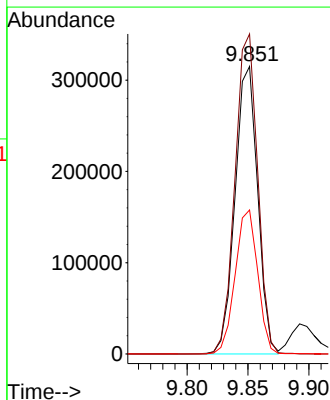
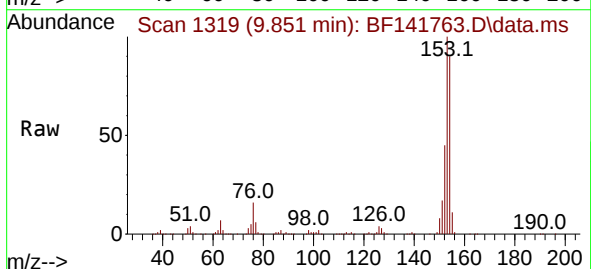
Manual Integrations
APPROVED

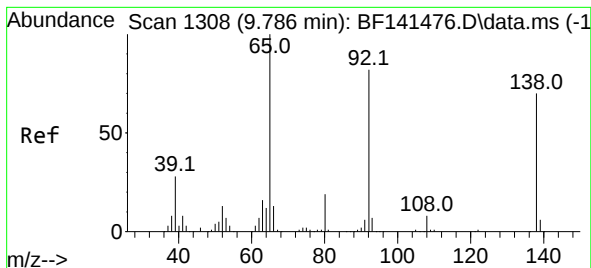
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#52
Acenaphthene
Concen: 44.012 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:154 Resp: 408252
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 50.1 39.8 59.8





#53

3-Nitroaniline

Concen: 25.937 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

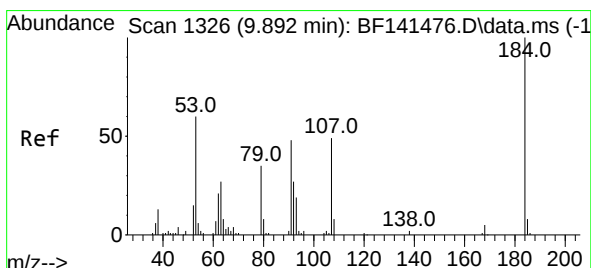
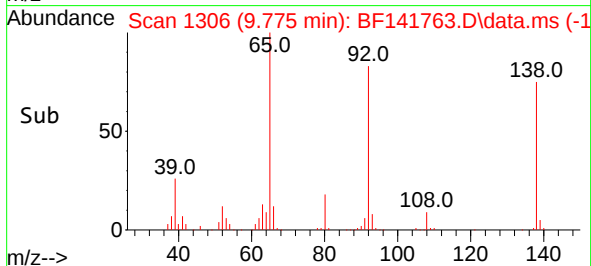
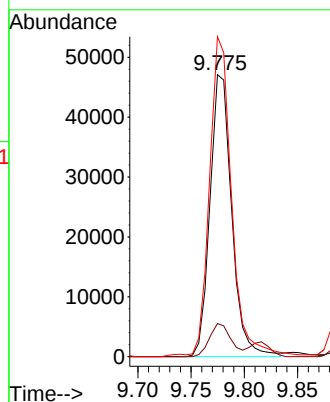
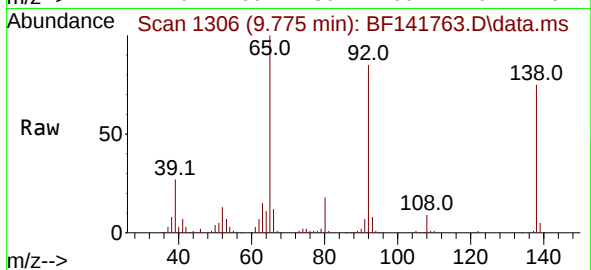
ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:138 Resp: 67035
 Ion Ratio Lower Upper
 138 100
 108 11.7 9.0 13.4
 92 113.4 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: 61.119 ng

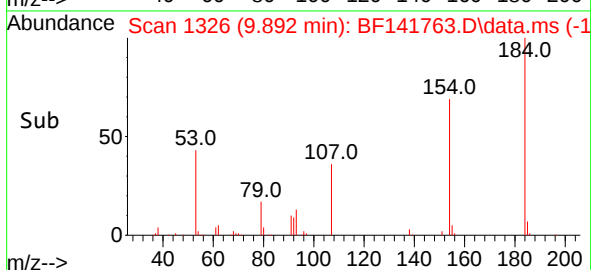
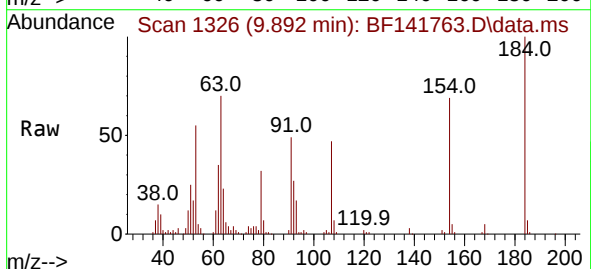
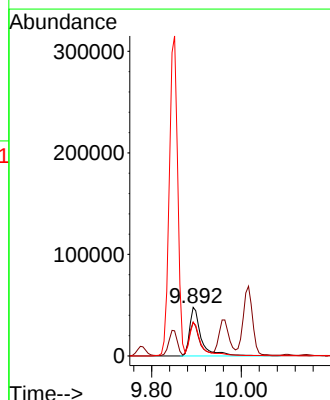
RT: 9.892 min Scan# 1326

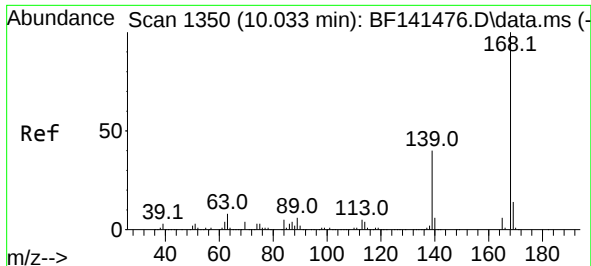
Delta R.T. -0.011 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

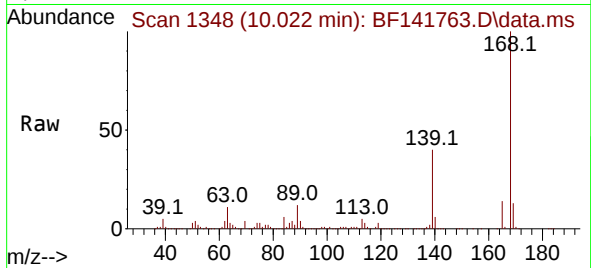
Tgt Ion:184 Resp: 87227
 Ion Ratio Lower Upper
 184 100
 63 69.9 61.0 91.6
 154 68.7 59.9 89.9





#55
Dibenzenofuran
Concen: 42.834 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

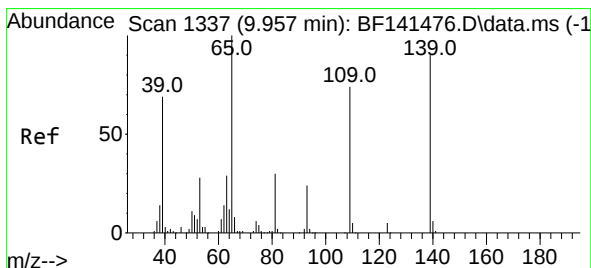
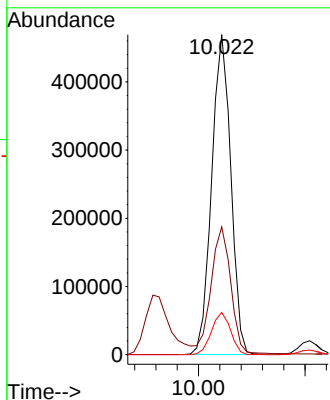
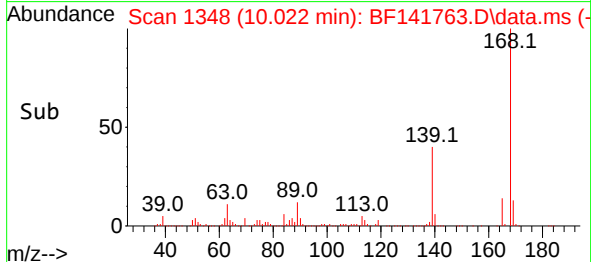
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:168 Resp: 58319
Ion Ratio Lower Upper
168 100
139 39.9 32.7 49.1
169 13.2 10.8 16.2

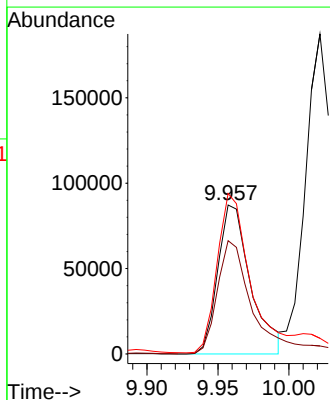
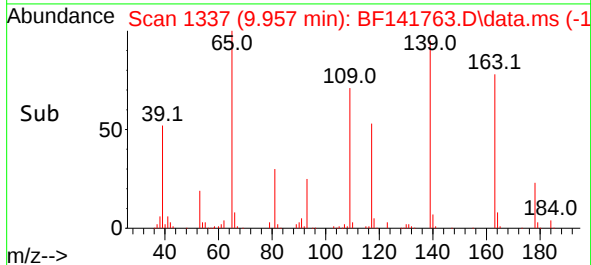
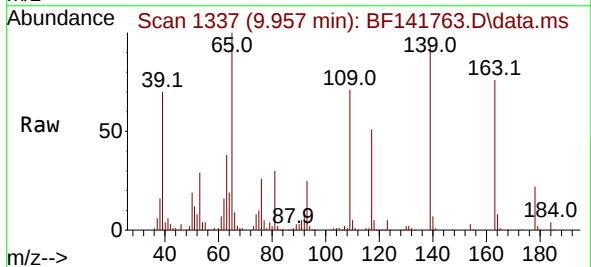
Manual Integrations
APPROVED

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



#56
4-Nitrophenol
Concen: 73.020 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

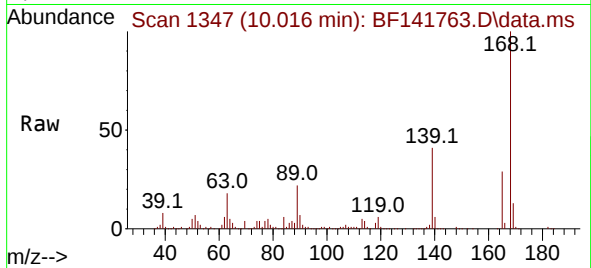
Tgt Ion:139 Resp: 140095
Ion Ratio Lower Upper
139 100
109 76.0 62.0 102.0
65 107.7 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 44.566 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

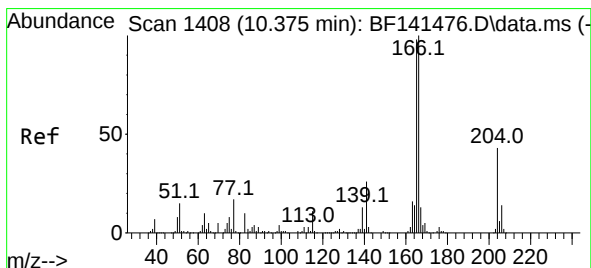
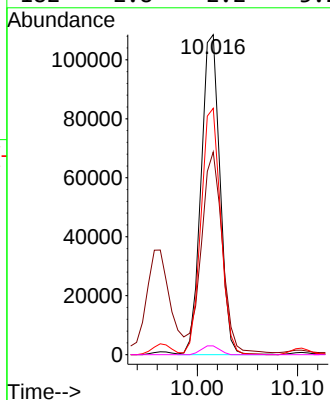
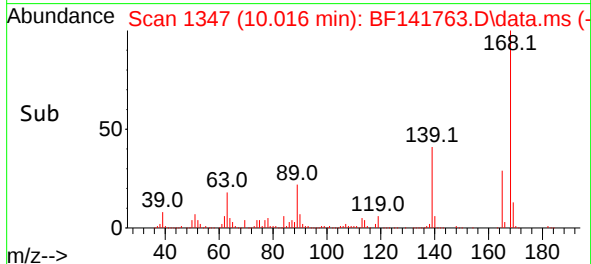
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



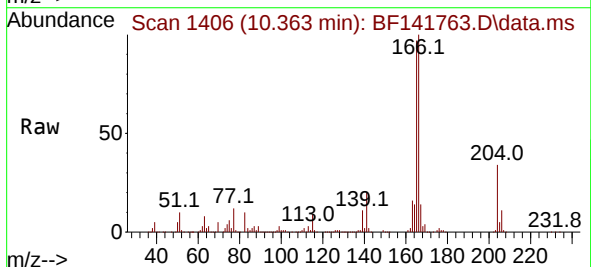
Tgt Ion:165 Resp: 142460
Ion Ratio Lower Upper
165 100
63 63.4 46.4 69.6
89 77.0 61.8 92.6
182 2.8 2.2 3.2

Manual Integrations
APPROVED

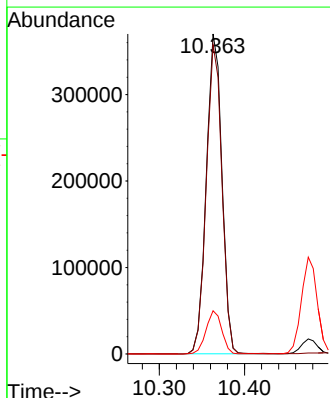
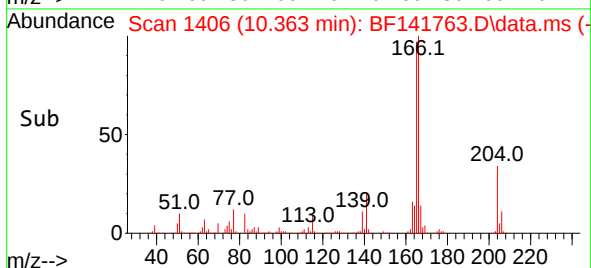
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#58
Fluorene
Concen: 44.692 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



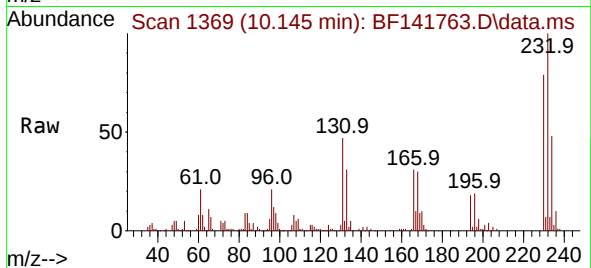
Tgt Ion:166 Resp: 470483
Ion Ratio Lower Upper
166 100
165 96.7 78.2 117.2
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.218 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

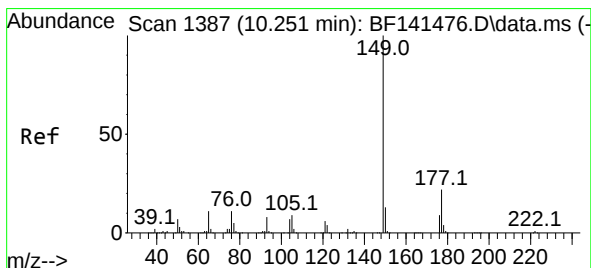
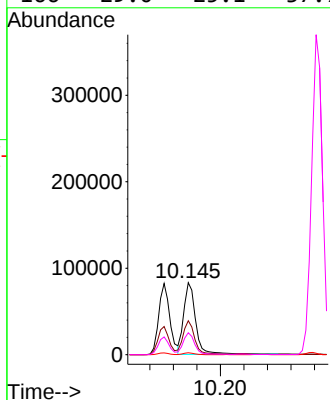
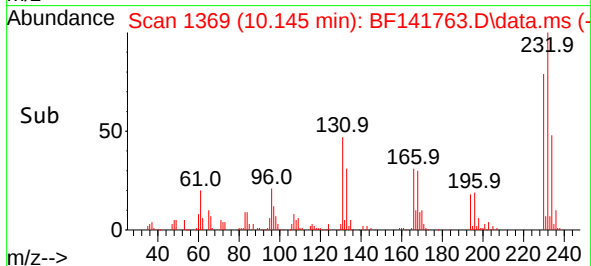
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



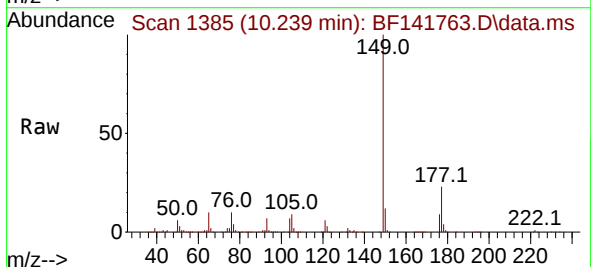
Tgt Ion:232 Resp: 116358
Ion Ratio Lower Upper
232 100
131 46.6 39.2 58.8
130 2.5 2.1 3.1
166 29.0 25.1 37.7

Manual Integrations
APPROVED

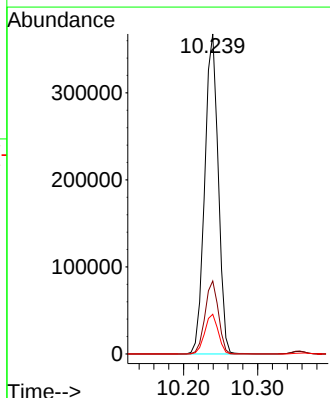
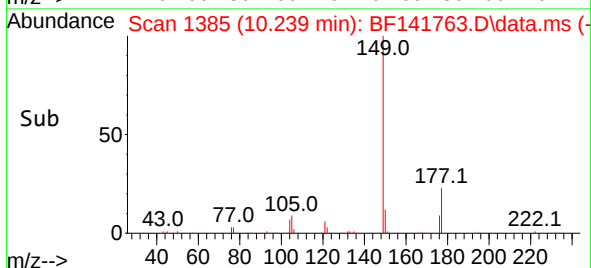
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

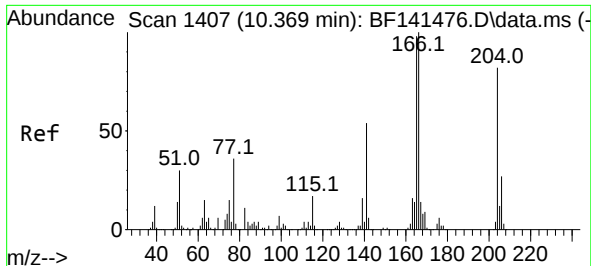


#60
Diethylphthalate
Concen: 43.068 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



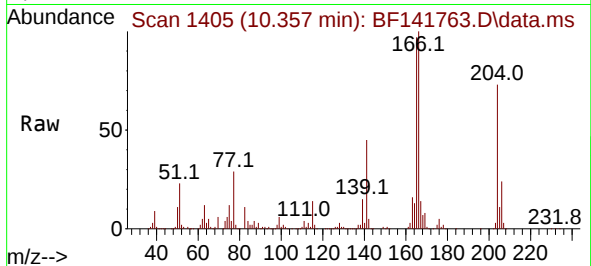
Tgt Ion:149 Resp: 465458
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.6
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.958 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

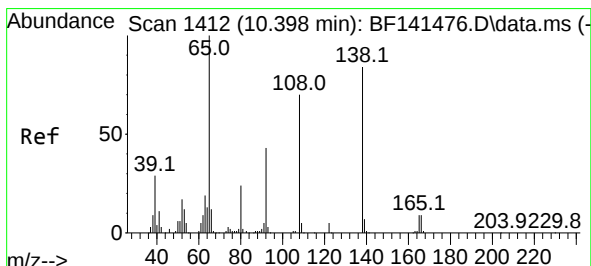
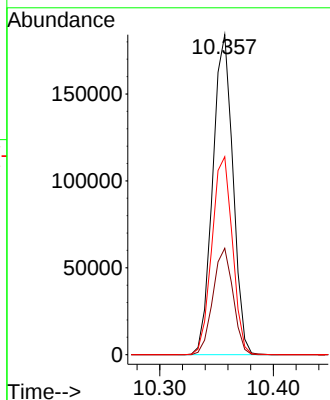
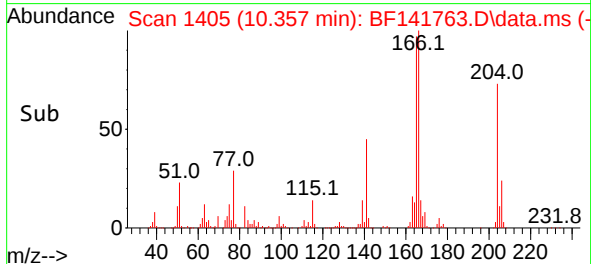
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



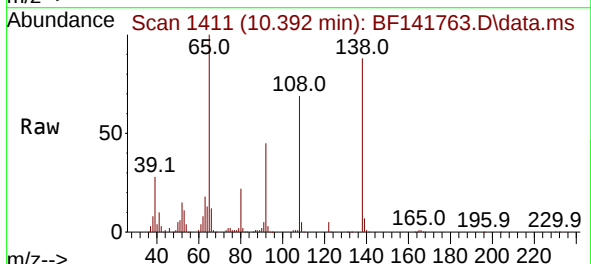
Tgt Ion:204 Resp: 227694
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 61.8 51.9 77.9

Manual Integrations
APPROVED

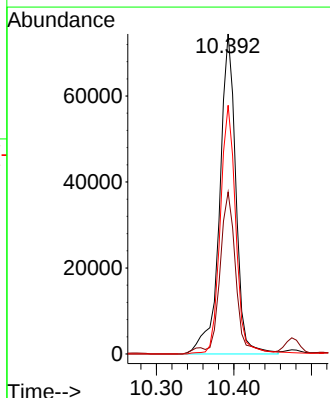
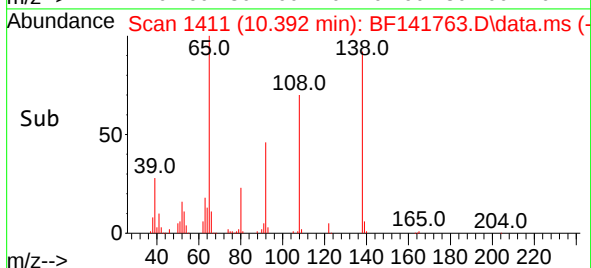
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

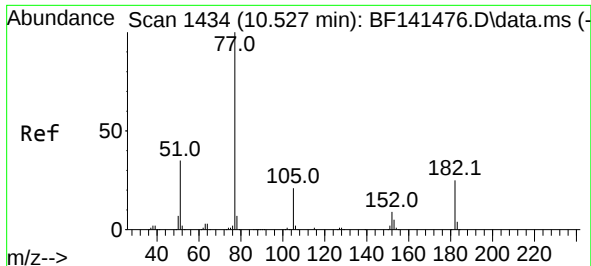


#62
4-Nitroaniline
Concen: 41.300 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



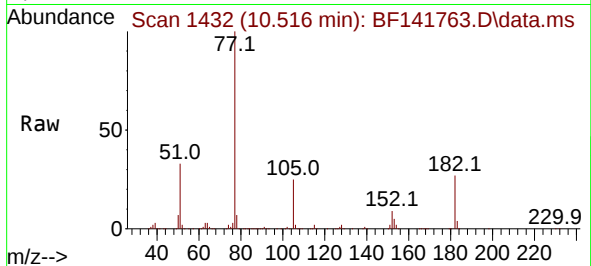
Tgt Ion:138 Resp: 108386
Ion Ratio Lower Upper
138 100
92 50.6 31.3 71.3
108 77.7 63.7 103.7





#63
Azobenzene
Concen: 46.798 ng
RT: 10.516 min Scan# 1434
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

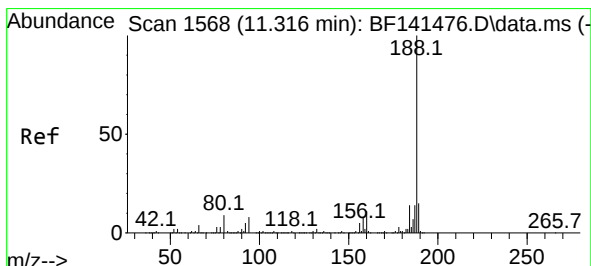
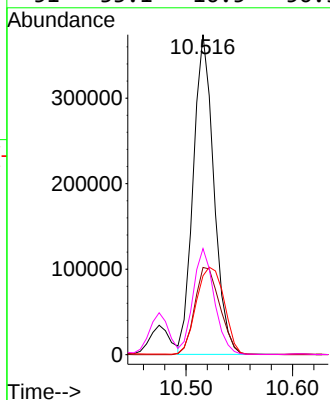
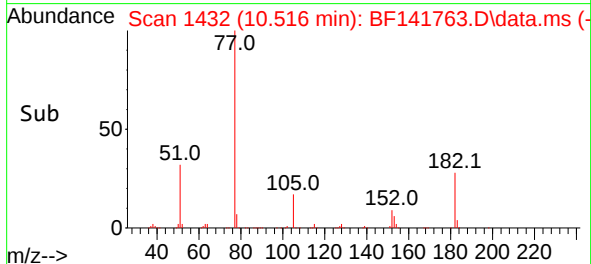
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 77 Resp: 50279
Ion Ratio Lower Upper
77 100
182 27.2 4.7 44.7
105 24.6 0.4 40.4
51 33.1 16.5 56.5

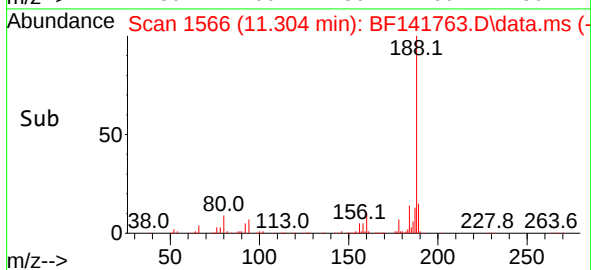
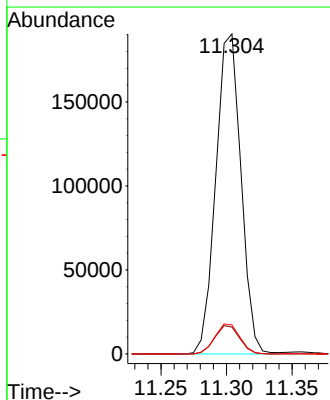
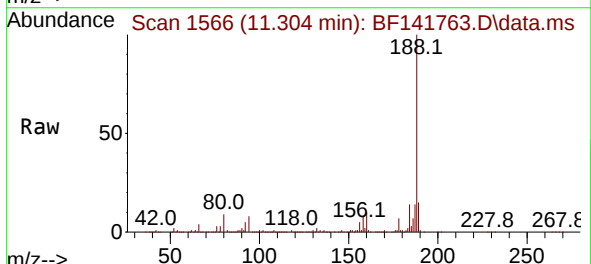
Manual Integrations
APPROVED

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. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:188 Resp: 253973
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.1 7.3 10.9





#65

4,6-Dinitro-2-methylphenol

Concen: 38.104 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:198 Resp: 67224

Ion Ratio Lower Upper

198 100

51 54.1 37.4 77.4

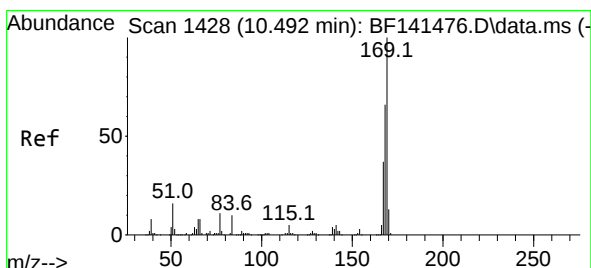
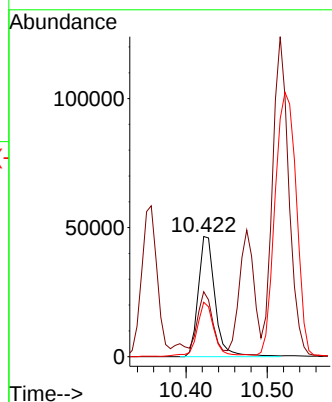
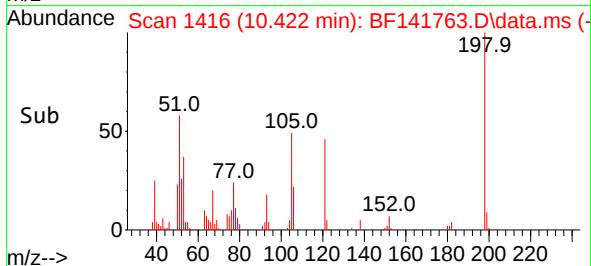
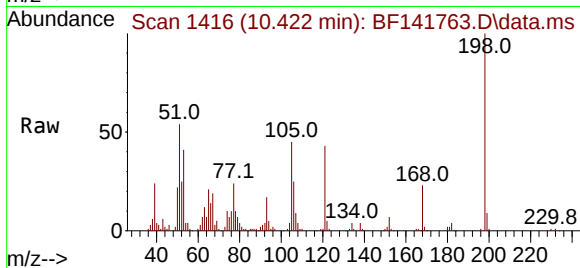
105 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025

Supervised By :mohammad ahmed 02/28/2025



#66

n-Nitrosodiphenylamine

Concen: 49.203 ng

RT: 10.475 min Scan# 1425

Delta R.T. -0.023 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

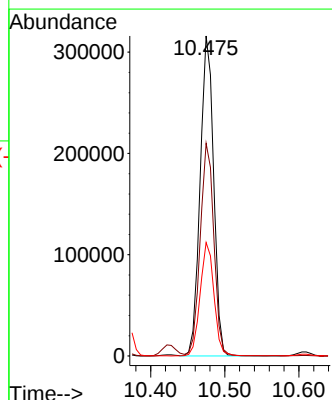
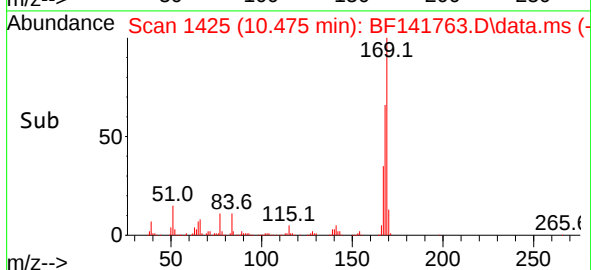
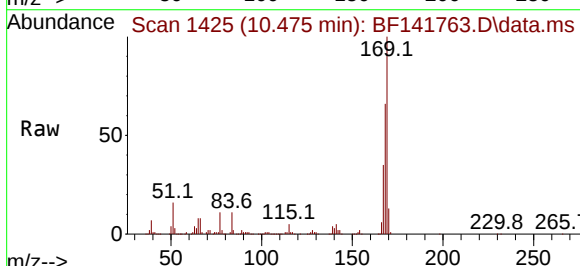
Tgt Ion:169 Resp: 400020

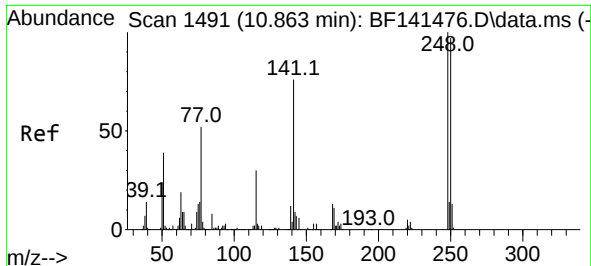
Ion Ratio Lower Upper

169 100

168 66.5 53.3 79.9

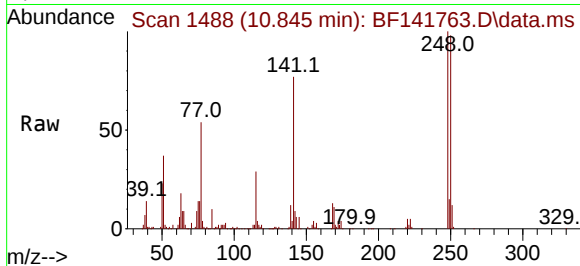
167 35.4 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 49.014 ng
RT: 10.845 min Scan# 1491
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

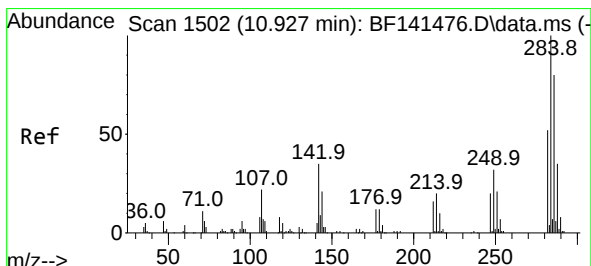
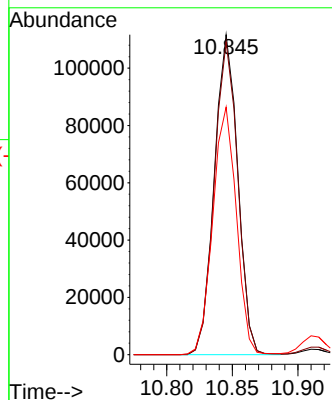
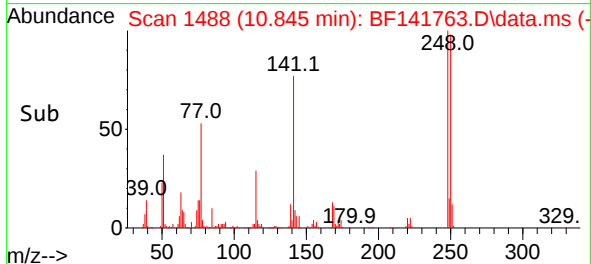
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



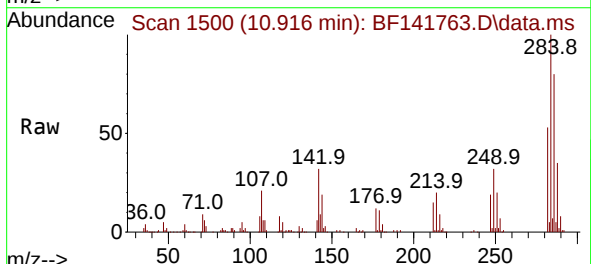
Tgt Ion:248 Resp: 139120
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.6
141 77.3 60.6 90.8

Manual Integrations
APPROVED

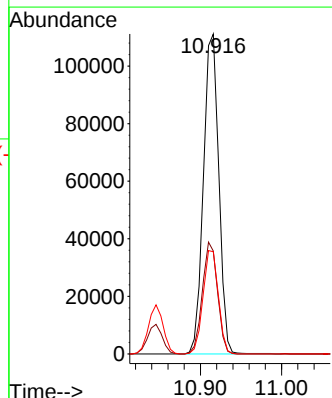
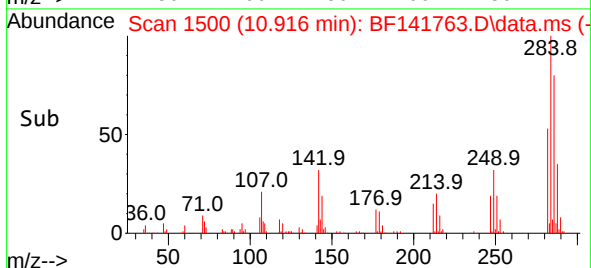
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

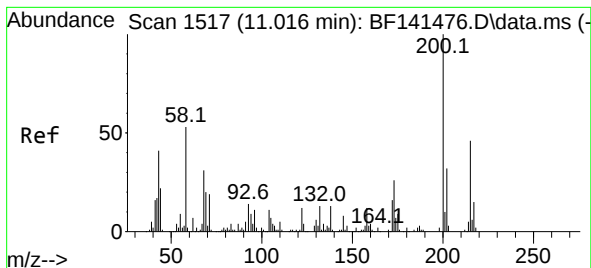


#68
Hexachlorobenzene
Concen: 49.895 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



Tgt Ion:284 Resp: 145837
Ion Ratio Lower Upper
284 100
142 32.2 28.0 42.0
249 32.0 25.8 38.8





#69

Atrazine

Concen: 59.121 ng

RT: 11.004 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

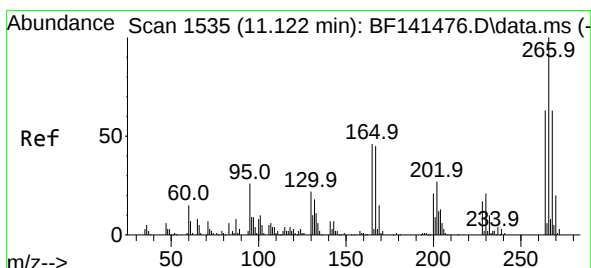
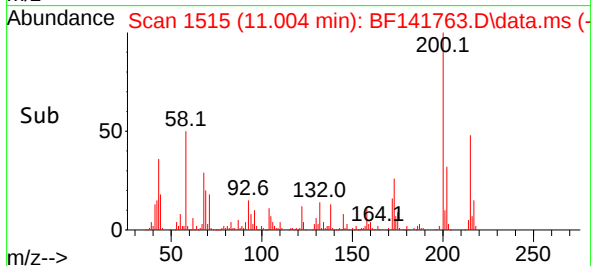
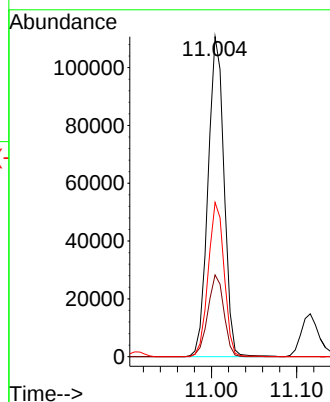
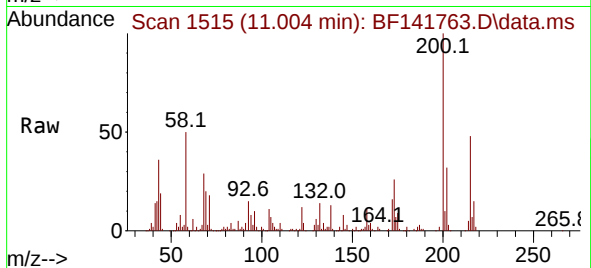
P001-CLAY-CF01-01MSD

Tgt Ion:200 Resp: 14419
 Ion Ratio Lower Upper
 200 100
 173 25.6 5.9 45.9
 215 48.2 25.9 65.9

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 71.320 ng

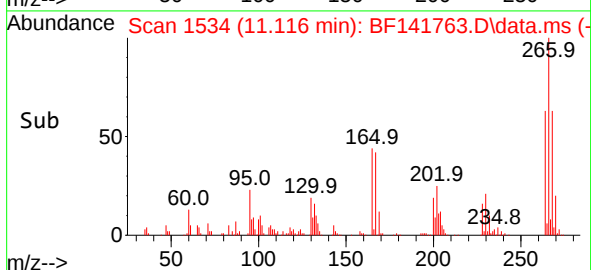
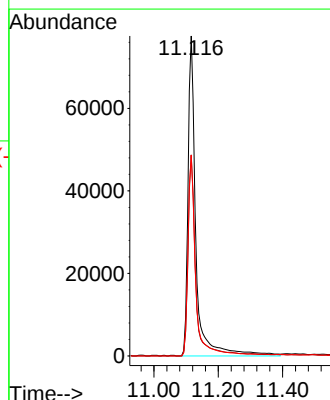
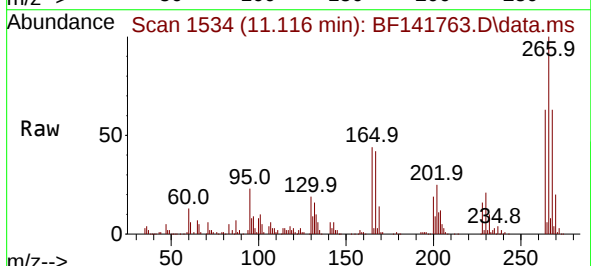
RT: 11.116 min Scan# 1534

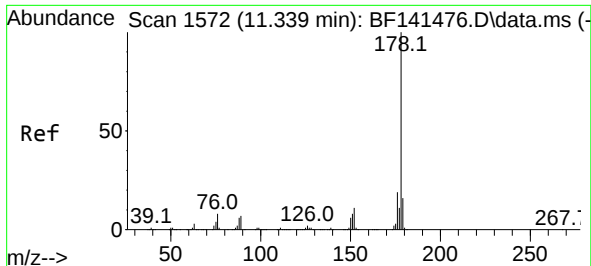
Delta R.T. -0.011 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

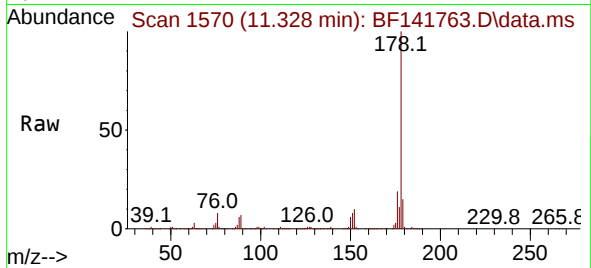
Tgt Ion:266 Resp: 133292
 Ion Ratio Lower Upper
 266 100
 268 62.9 50.1 75.1
 264 62.7 50.1 75.1





#71
Phenanthrene
Concen: 47.472 ng
RT: 11.328 min Scan# 1572
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

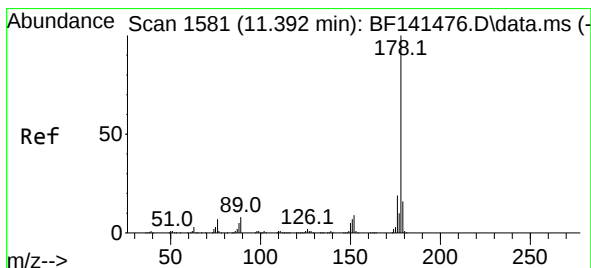
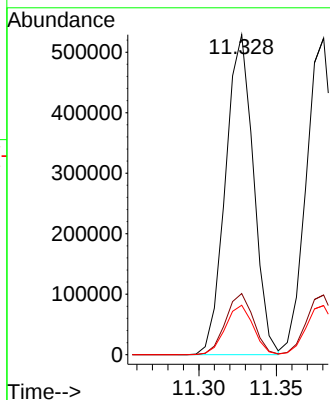
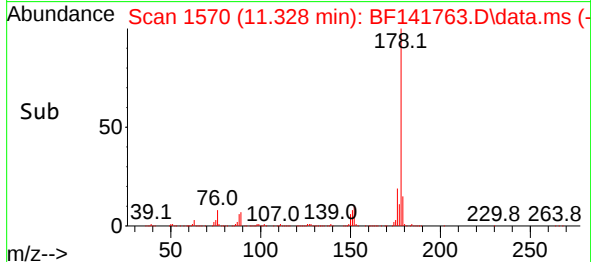
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:178 Resp: 66366
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.5 12.4 18.6

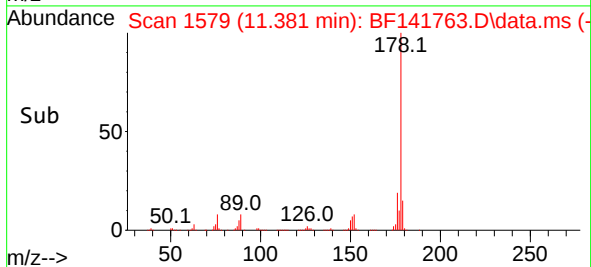
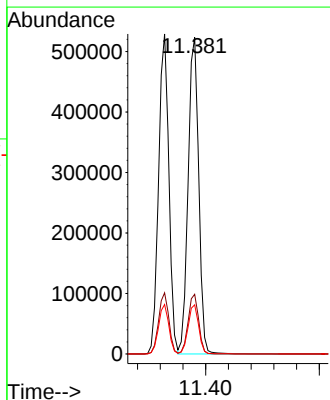
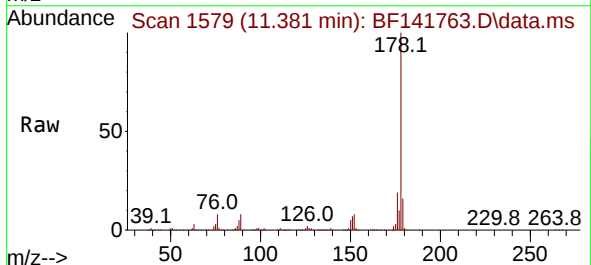
Manual Integrations
APPROVED

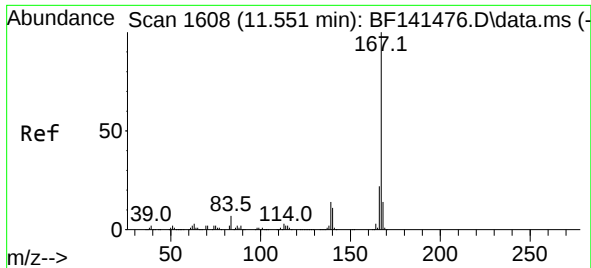
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#72
Anthracene
Concen: 48.188 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

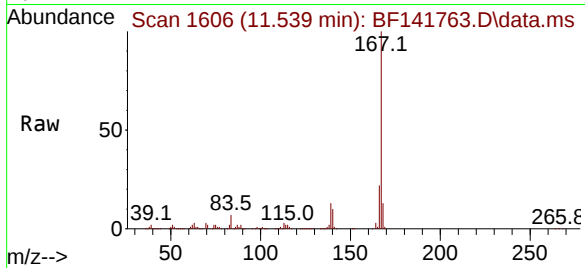
Tgt Ion:178 Resp: 677206
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.5 12.4 18.6





#73
Carbazole
Concen: 45.538 ng
RT: 11.539 min Scan# 1606
Delta R.T. -0.011 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

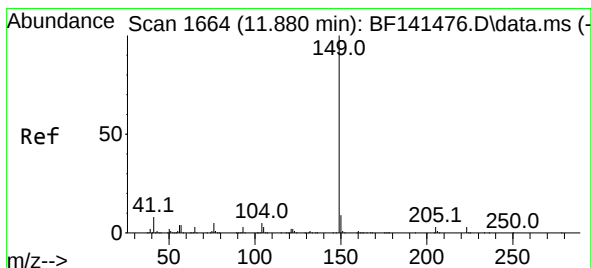
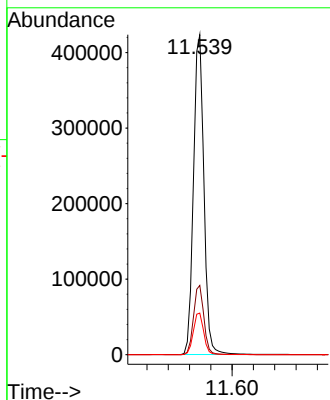
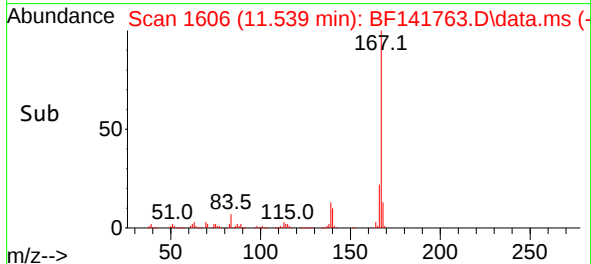
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



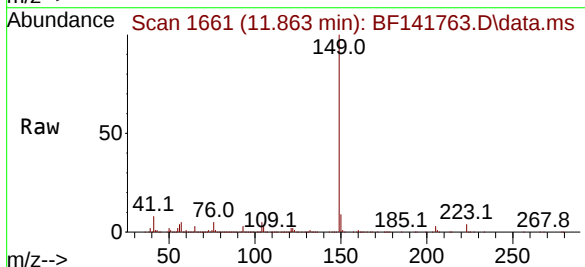
Tgt Ion:167 Resp: 575834
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.0 10.9 16.3

Manual Integrations
APPROVED

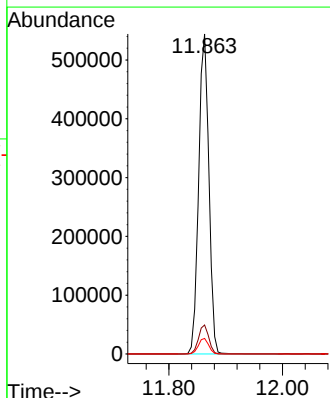
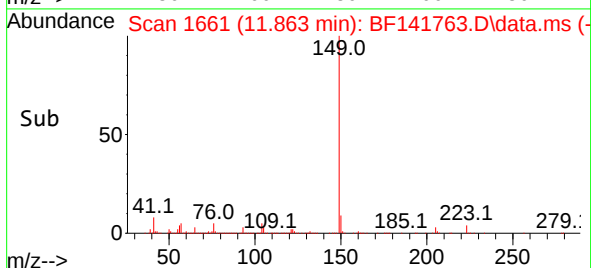
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

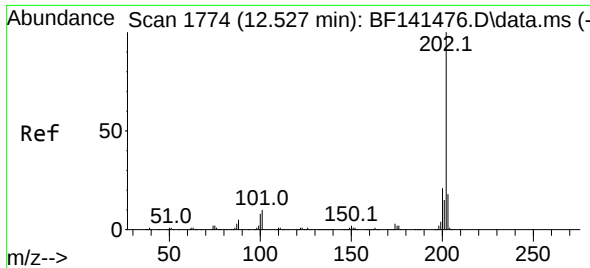


#74
Di-n-butylphthalate
Concen: 46.518 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



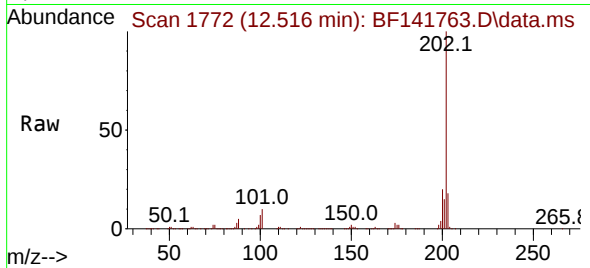
Tgt Ion:149 Resp: 679207
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.9 4.2 6.2





#75
Fluoranthene
Concen: 43.549 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

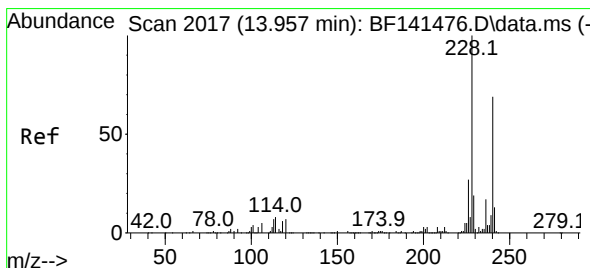
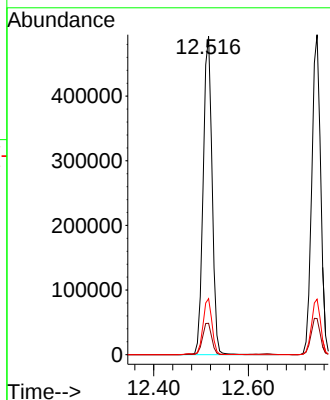
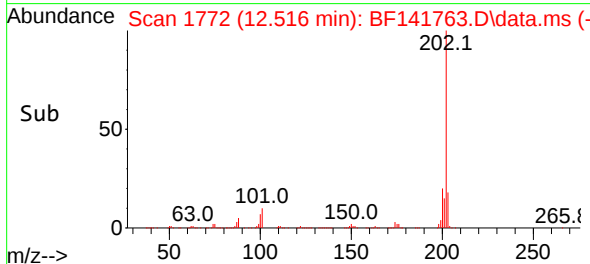
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



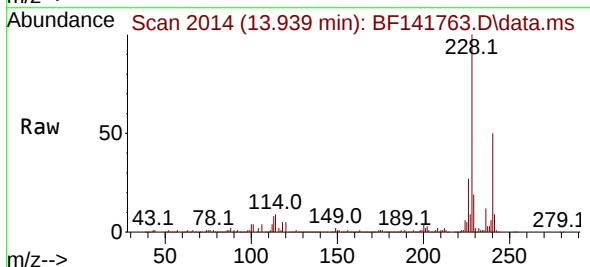
Tgt Ion:202 Resp: 645460
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.6 0.0 37.6

Manual Integrations
APPROVED

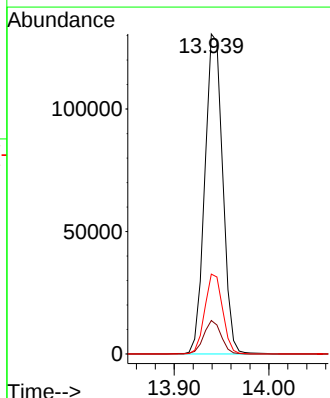
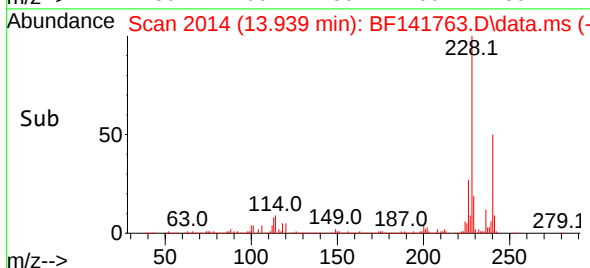
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

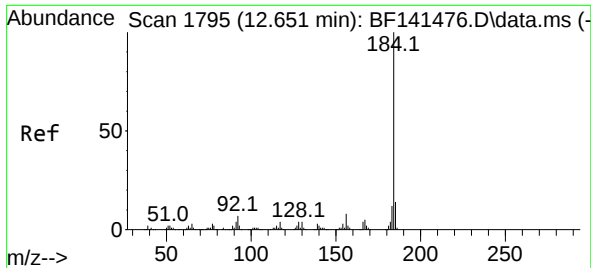


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



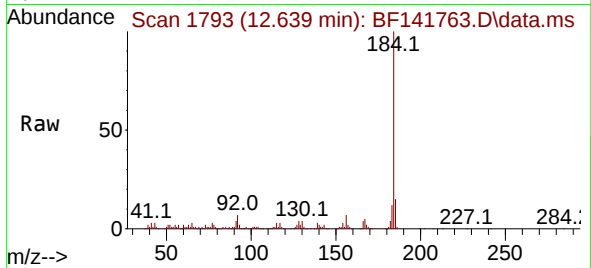
Tgt Ion:240 Resp: 171769
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 24.9 19.8 29.8





#77
Benzidine
Concen: 69.645 ng
RT: 12.639 min Scan# 1811
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

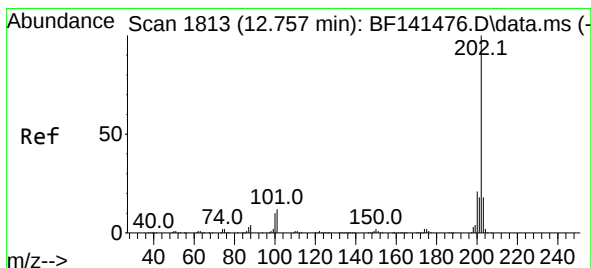
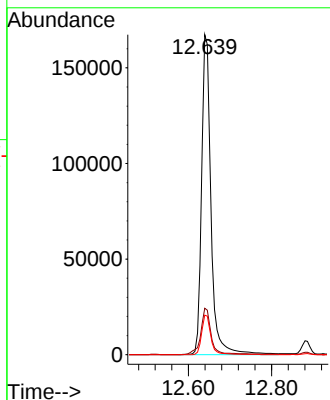
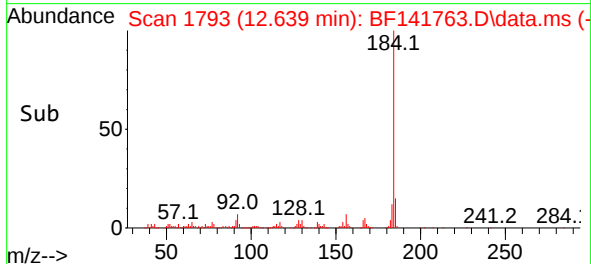
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:184 Resp: 26383
Ion Ratio Lower Upper
184 100
185 14.5 11.3 16.9
183 12.4 9.3 13.9

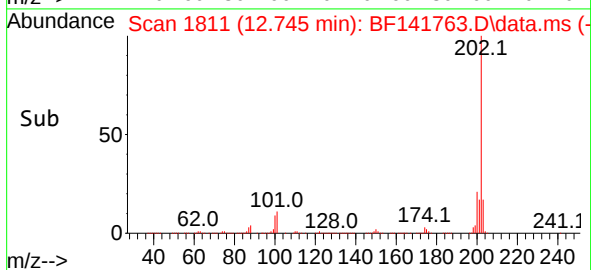
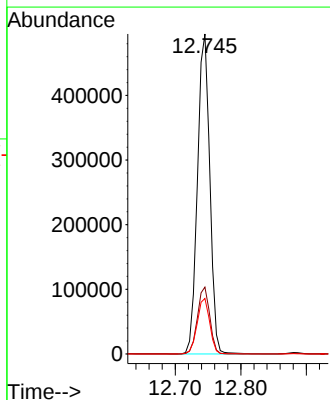
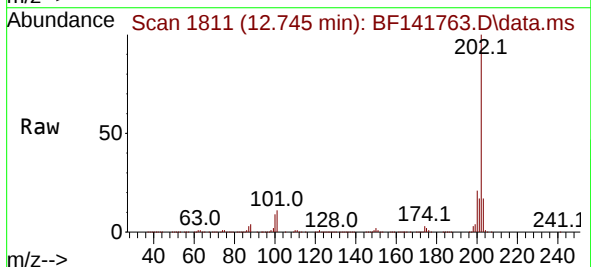
Manual Integrations
APPROVED

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



#78
Pyrene
Concen: 44.406 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:202 Resp: 649308
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 71.322 ng

RT: 12.886 min Scan# 1835

Delta R.T. -0.017 min

Lab File: BF141763.D

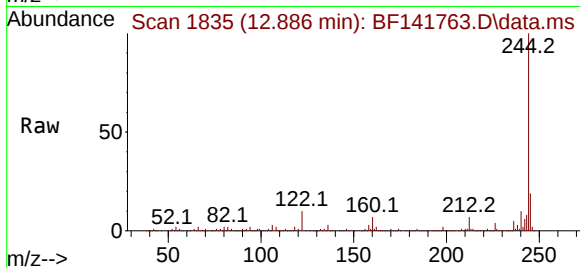
Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01MSD

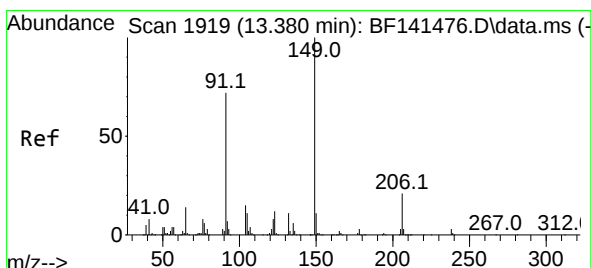
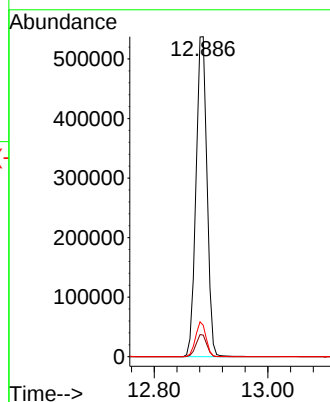
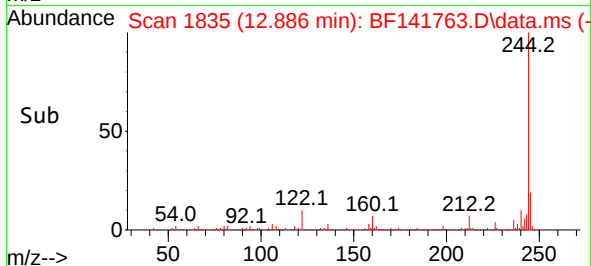


Tgt Ion:	244	Resp:	725692
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	9.8	8.4	12.6

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 47.735 ng

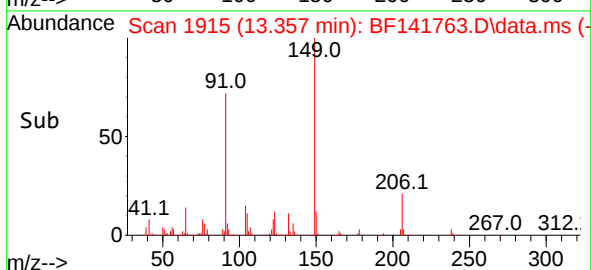
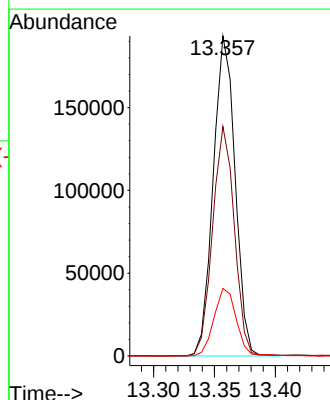
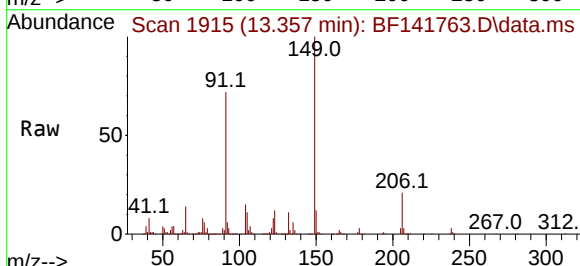
RT: 13.357 min Scan# 1915

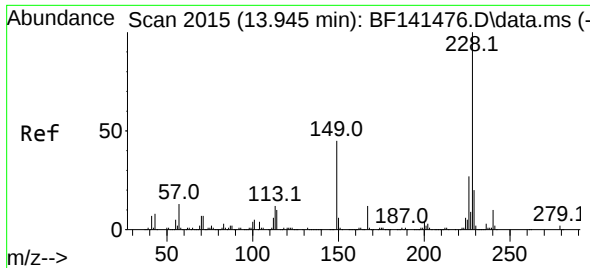
Delta R.T. -0.023 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

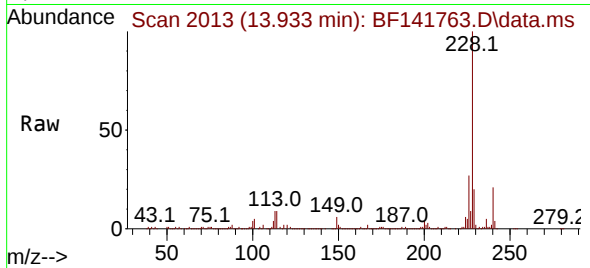
Tgt Ion:	149	Resp:	241762
Ion Ratio	Lower	Upper	
149	100		
91	71.7	57.8	86.8
206	21.1	16.7	25.1





#81
Benzo(a)anthracene
Concen: 47.859 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

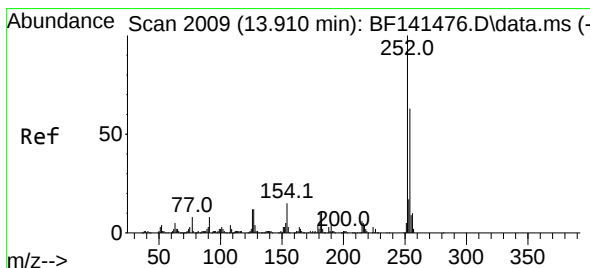
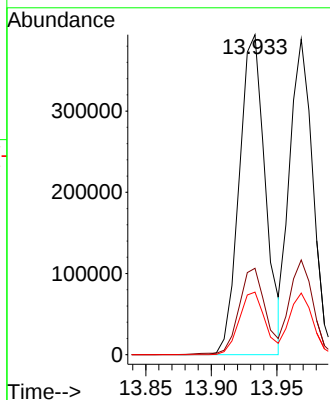
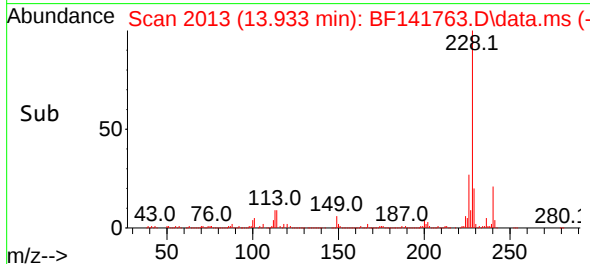
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:228 Resp: 54646
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.5 15.8 23.6

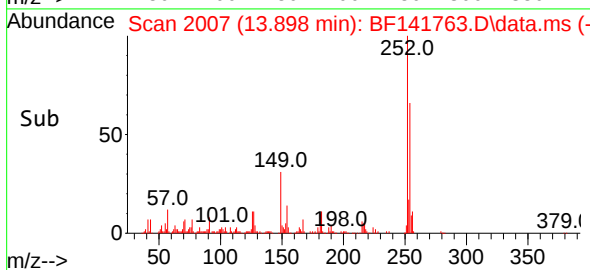
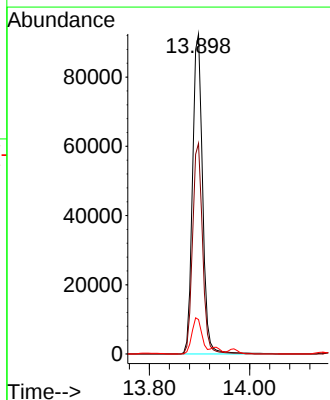
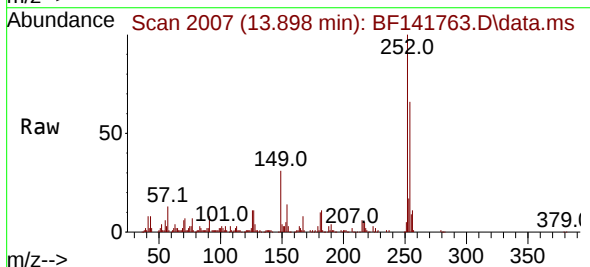
Manual Integrations
APPROVED

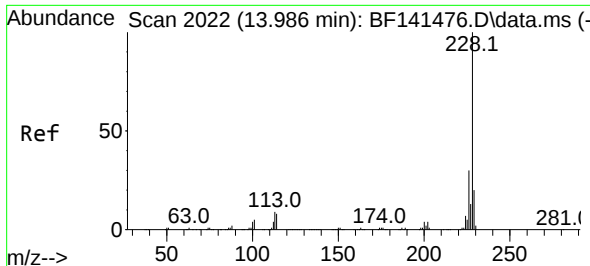
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#82
3,3'-Dichlorobenzidine
Concen: 39.267 ng
RT: 13.898 min Scan# 2007
Delta R.T. -0.017 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

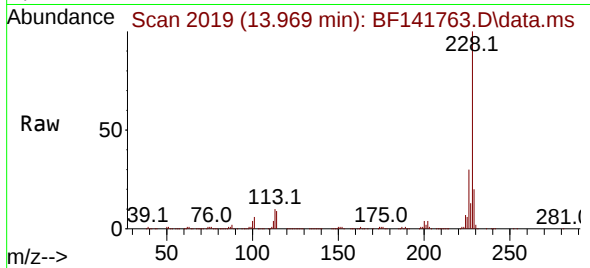
Tgt Ion:252 Resp: 128432
Ion Ratio Lower Upper
252 100
254 65.8 50.6 76.0
126 10.8 9.3 13.9





#83
Chrysene
Concen: 45.380 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

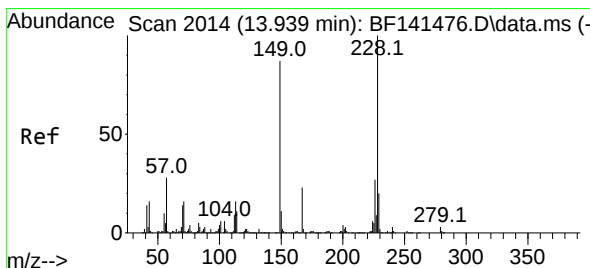
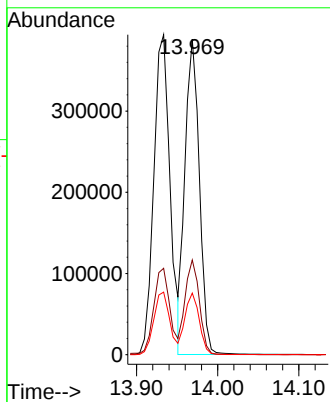
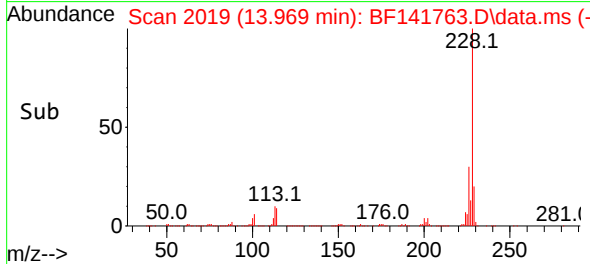
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:228 Resp: 478435
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 19.5 15.7 23.5

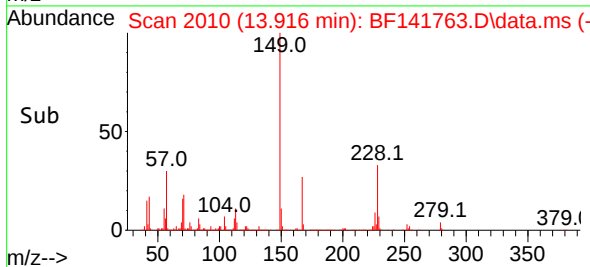
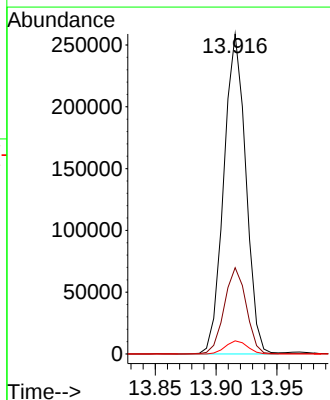
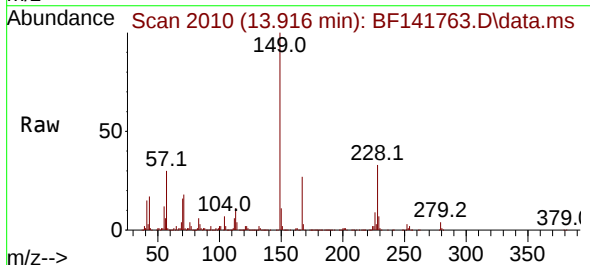
Manual Integrations
APPROVED

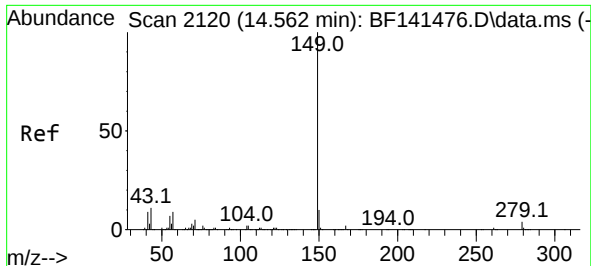
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.076 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

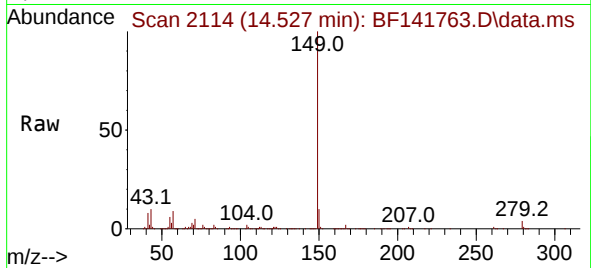
Tgt Ion:149 Resp: 326027
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 4.1 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 67.475 ng
RT: 14.527 min Scan# 2114
Delta R.T. -0.035 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

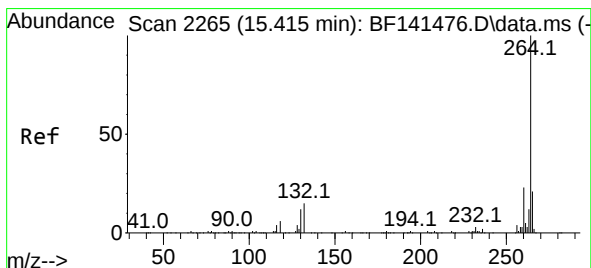
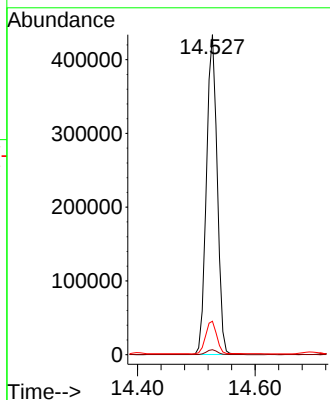
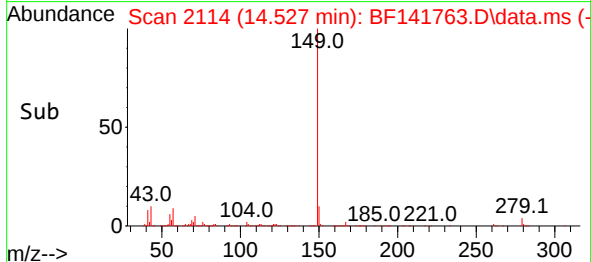
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



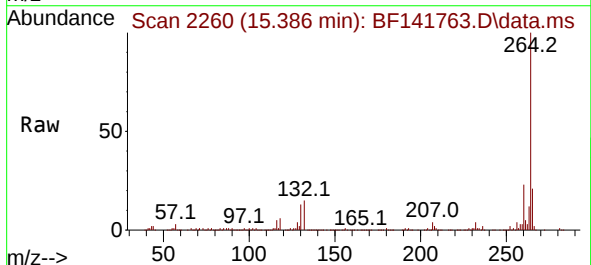
Tgt Ion:149 Resp: 54985
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.8 9.5 14.3

Manual Integrations
APPROVED

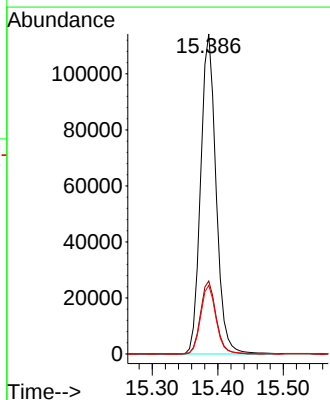
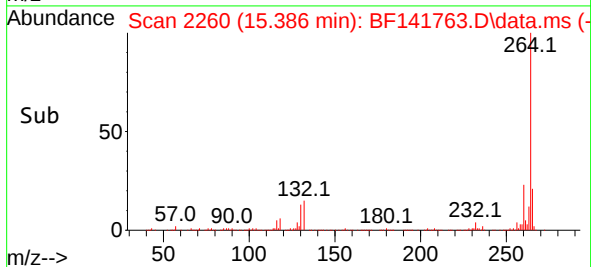
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

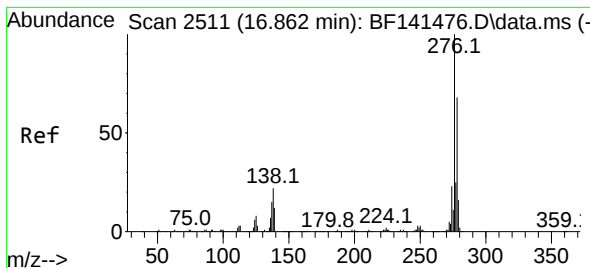


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



Tgt Ion:264 Resp: 186973
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 21.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.250 ng

RT: 16.827 min Scan# 2189

Delta R.T. -0.047 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

Instrument :

BNA_F

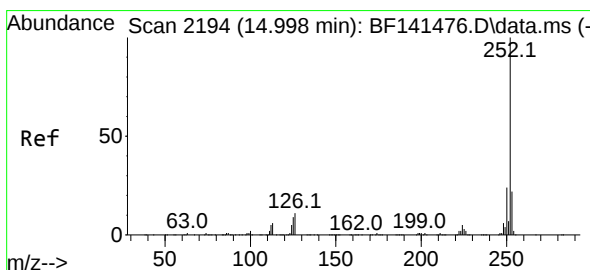
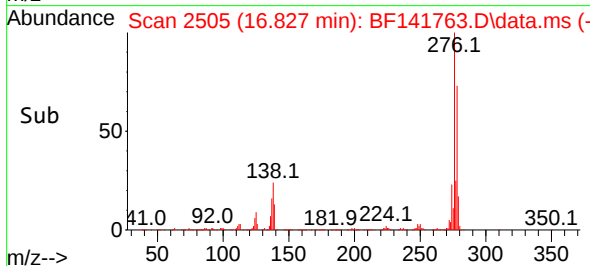
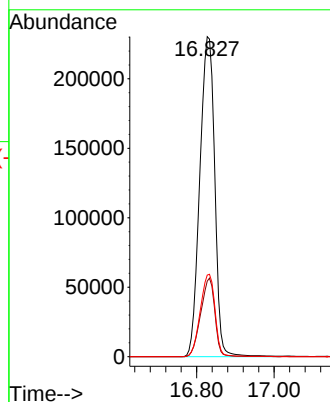
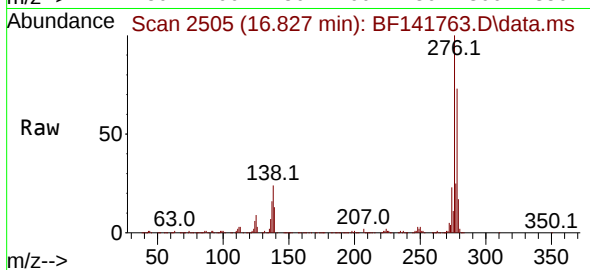
ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:276 Resp: 615192
 Ion Ratio Lower Upper
 276 100
 138 23.3 18.0 27.0
 277 25.4 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: 40.312 ng

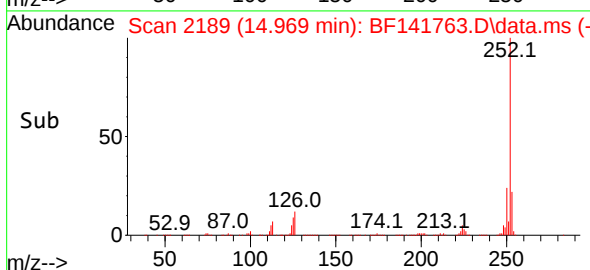
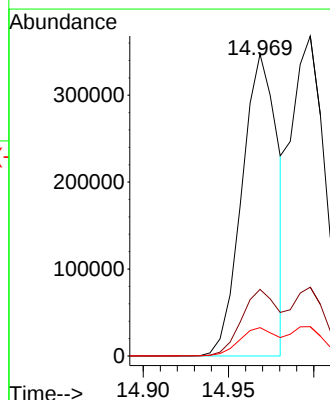
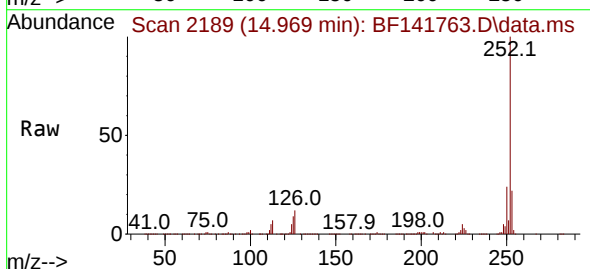
RT: 14.969 min Scan# 2189

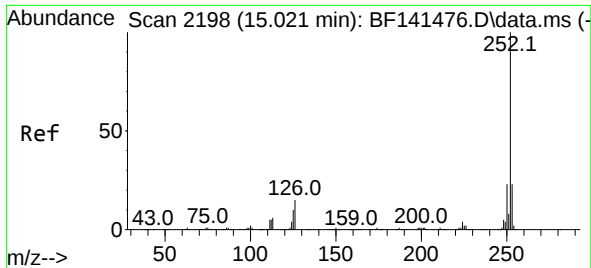
Delta R.T. -0.035 min

Lab File: BF141763.D

Acq: 25 Feb 2025 14:36

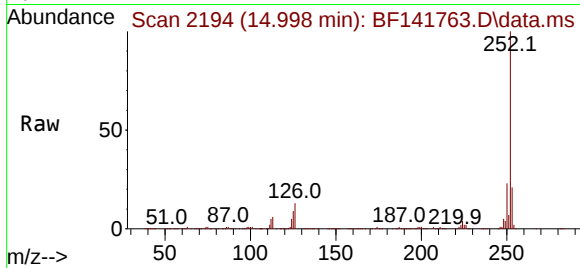
Tgt Ion:252 Resp: 506088
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 9.4 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 47.144 ng
RT: 14.998 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

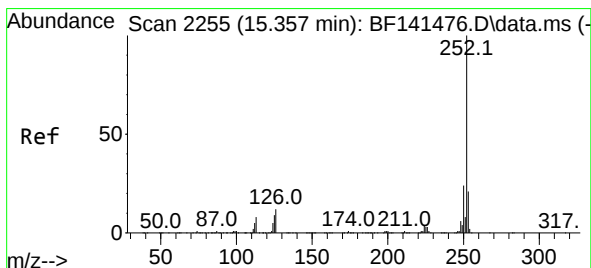
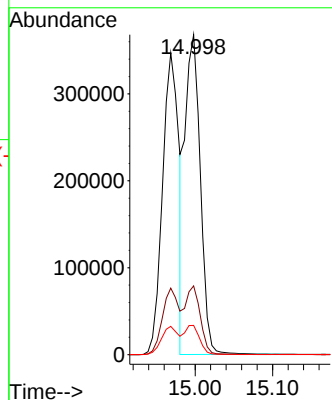
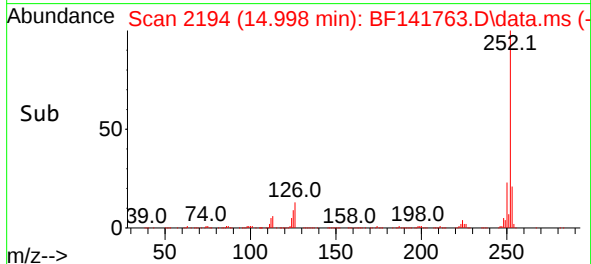
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



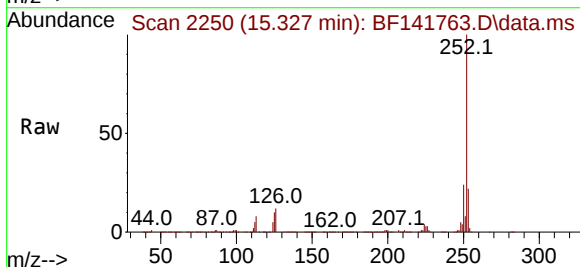
Tgt Ion:252 Resp: 505399
Ion Ratio Lower Upper
252 100
253 21.5 18.0 27.0
125 9.2 7.4 11.0

Manual Integrations
APPROVED

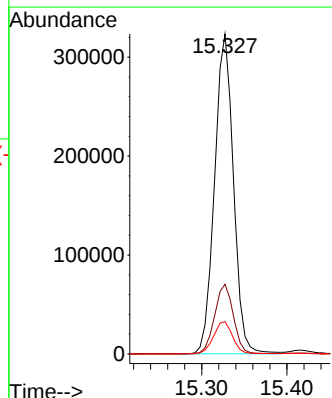
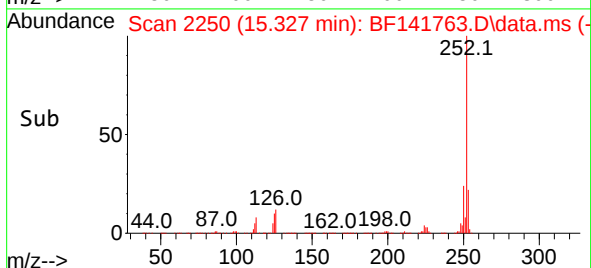
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#90
Benzo(a)pyrene
Concen: 49.012 ng
RT: 15.327 min Scan# 2250
Delta R.T. -0.035 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36



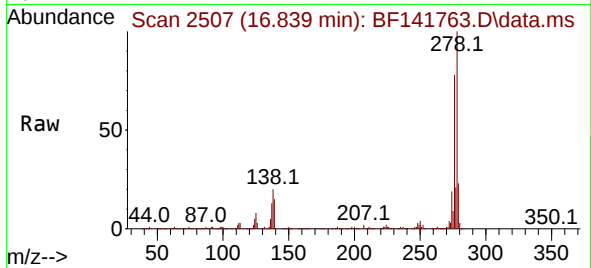
Tgt Ion:252 Resp: 497890
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.1 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 53.059 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.053 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

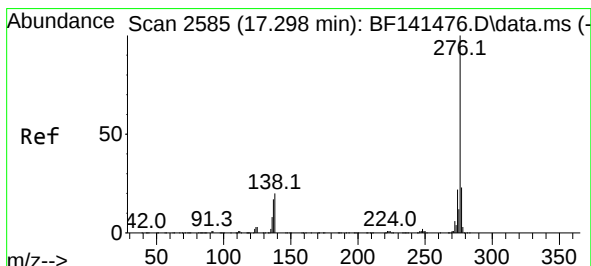
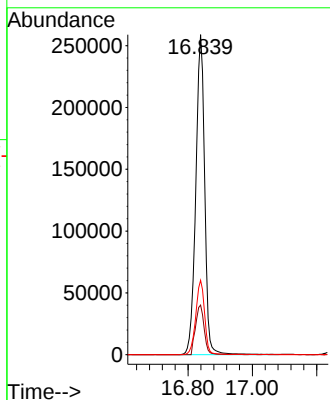
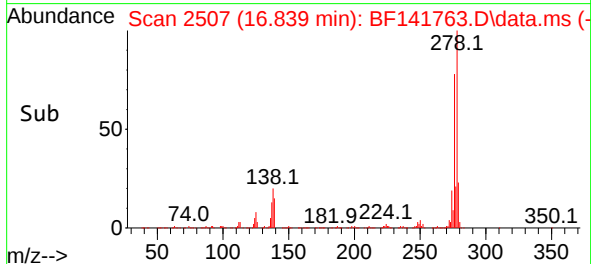
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:278 Resp: 49669
Ion Ratio Lower Upper
278 100
139 15.5 11.8 17.6
279 23.3 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: 48.968 ng
RT: 17.257 min Scan# 2578
Delta R.T. -0.059 min
Lab File: BF141763.D
Acq: 25 Feb 2025 14:36

Tgt Ion:276 Resp: 479696
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 19.9 15.9 23.9

