

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141514.D
 Acq On : 07 Feb 2025 18:09
 Operator : RC/JU
 Sample : Q1288-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MSD

Quant Time: Feb 07 22:24:01 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	6.792	152	87829	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	332042	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	168976	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	234285	20.000	ng	0.00
76) Chrysene-d12	13.968	240	162544	20.000	ng	0.00
86) Perylene-d12	15.433	264	129967	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	650976	116.199	ng	0.00
7) Phenol-d6	6.439	99	799958	112.976	ng	0.00
23) Nitrobenzene-d5	7.357	82	535459	84.112	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	178448	105.128	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	921618	84.029	ng	0.00
79) Terphenyl-d14	12.904	244	748949	77.785	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	106564	47.261	ng	99
3) Pyridine	3.269	79	247152	46.063	ng	99
4) n-Nitrosodimethylamine	3.222	42	165328	46.535	ng	99
6) Aniline	6.457	93	124464	18.739	ng	# 1
8) 2-Chlorophenol	6.581	128	293807	48.535	ng	99
9) Benzaldehyde	6.339	77	192545	51.171	ng	95
10) Phenol	6.451	94	351618	47.711	ng	86
11) bis(2-Chloroethyl)ether	6.528	93	282074	50.957	ng	99
12) 1,3-Dichlorobenzene	6.734	146	304386	47.629	ng	97
13) 1,4-Dichlorobenzene	6.810	146	302774	46.370	ng	100
14) 1,2-Dichlorobenzene	6.963	146	294243	48.554	ng	99
15) Benzyl Alcohol	6.939	79	257028	47.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	438627	46.290	ng	66
17) 2-Methylphenol	7.057	107	226772	47.871	ng	94
18) Hexachloroethane	7.304	117	129299	53.507	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	208301	49.180	ng	99
20) 3+4-Methylphenols	7.216	107	302009	50.165	ng	# 72
22) Acetophenone	7.204	105	496732	60.139	ng	96
24) Nitrobenzene	7.375	77	303154	48.835	ng	99
25) Isophorone	7.616	82	558868	55.058	ng	98
26) 2-Nitrophenol	7.692	139	148587	48.111	ng	97
27) 2,4-Dimethylphenol	7.739	122	231513	64.167	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	326657	50.222	ng	97
29) 2,4-Dichlorophenol	7.945	162	242811	49.809	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	256050	48.233	ng	98
31) Naphthalene	8.098	128	900555	52.103	ng	98
32) Benzoic acid	7.875	122	192774	51.439	ng	89
33) 4-Chloroaniline	8.157	127	79221	13.128	ng	# 94
34) Hexachlorobutadiene	8.216	225	160832	50.466	ng	100
35) Caprolactam	8.522	113	83861	56.500	ng	# 56
36) 4-Chloro-3-methylphenol	8.645	107	257656	47.714	ng	99
37) 2-Methylnaphthalene	8.792	142	594979	52.900	ng	100
38) 1-Methylnaphthalene	8.892	142	543445	49.888	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	266415	54.496	ng	99
41) Hexachlorocyclopentadiene	8.939	237	27712	17.043	ng	98
43) 2,4,6-Trichlorophenol	9.075	196	156986	49.685	ng	99

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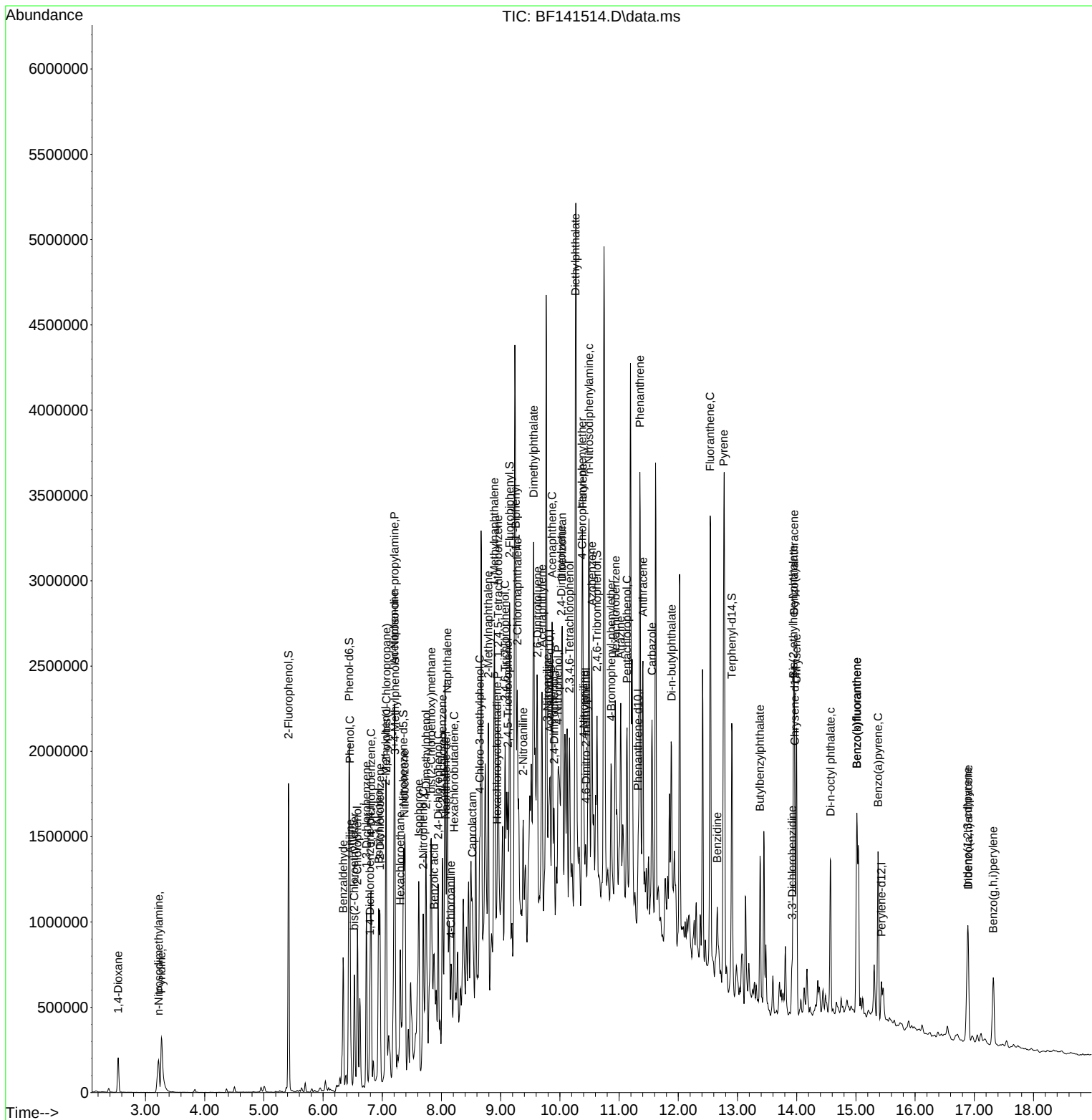
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	161985	47.305	ng	# 88
46) 1,1'-Biphenyl	9.257	154	741514	56.602	ng	100
47) 2-Chloronaphthalene	9.280	162	471753	48.698	ng	99
48) 2-Nitroaniline	9.380	65	169268	52.065	ng	97
49) Acenaphthylene	9.698	152	722344	50.132	ng	99
50) Dimethylphthalate	9.557	163	557340	48.585	ng	99
51) 2,6-Dinitrotoluene	9.622	165	118579	47.286	ng	94
52) Acenaphthene	9.869	154	522227	53.911	ng	98
53) 3-Nitroaniline	9.786	138	64416	23.866	ng	# 97
54) 2,4-Dinitrophenol	9.904	184	56583	37.965	ng	95
55) Dibenzofuran	10.039	168	665455	46.802	ng	97
56) 4-Nitrophenol	9.969	139	184205	91.937	ng	96
57) 2,4-Dinitrotoluene	10.027	165	148461	44.471	ng	# 99
58) Fluorene	10.386	166	540760	49.188	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.163	232	124815	42.337	ng	# 85
60) Diethylphthalate	10.263	149	528492	46.825	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	242291	45.811	ng	95
62) 4-Nitroaniline	10.404	138	88729	32.375	ng	93
63) Azobenzene	10.539	77	579388	51.638	ng	90
65) 4,6-Dinitro-2-methylph...	10.439	198	38769	23.822	ng	# 62
66) n-Nitrosodiphenylamine	10.492	169	457916	61.058	ng	97
67) 4-Bromophenyl-phenylether	10.869	248	145854	55.703	ng	95
68) Hexachlorobenzene	10.939	284	136890	50.770	ng	98
69) Atrazine	11.027	200	167283	74.351	ng	99
70) Pentachlorophenol	11.133	266	159407	92.460	ng	99
71) Phenanthrene	11.351	178	1418081	109.960	ng	99
72) Anthracene	11.404	178	807005	62.250	ng	99
73) Carbazole	11.557	167	597749	51.244	ng	98
74) Di-n-butylphthalate	11.886	149	753453	55.940	ng	99
75) Fluoranthene	12.539	202	1658782	121.321	ng	99
77) Benzidine	12.657	184	196026	54.683	ng	97
78) Pyrene	12.768	202	1550106	112.027	ng	98
80) Butylbenzylphthalate	13.380	149	272678	56.894	ng	97
81) Benzo(a)anthracene	13.957	228	991223	91.739	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	86140	27.831	ng	99
83) Chrysene	13.998	228	912578	91.471	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	379184	70.149	ng	99
85) Di-n-octyl phthalate	14.574	149	602982	78.195	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	463894	57.766	ng	99
88) Benzo(b)fluoranthene	15.015	252	880125	100.855	ng	98
89) Benzo(k)fluoranthene	15.015	252	880125	118.109	ng	99
90) Benzo(a)pyrene	15.374	252	613744	86.916	ng	97
91) Dibenzo(a,h)anthracene	16.898	278	302961	46.559	ng	99
92) Benzo(g,h,i)perylene	17.321	276	368244	54.079	ng	99

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

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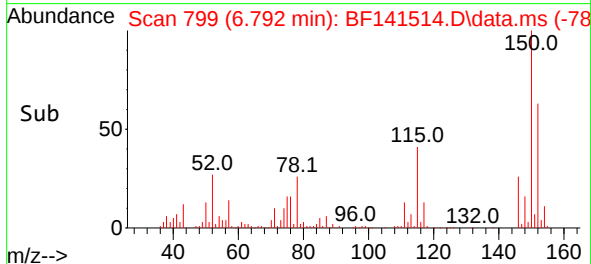
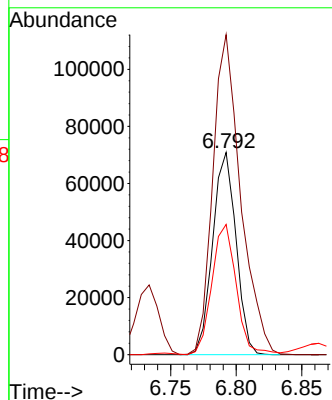
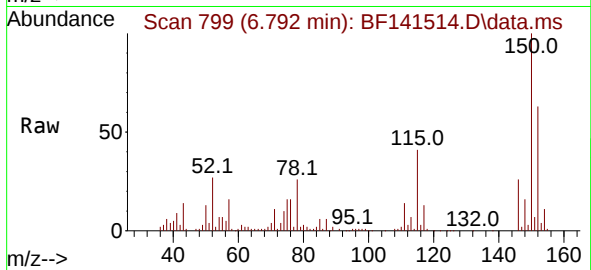




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

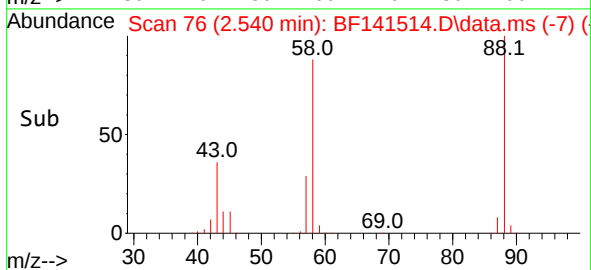
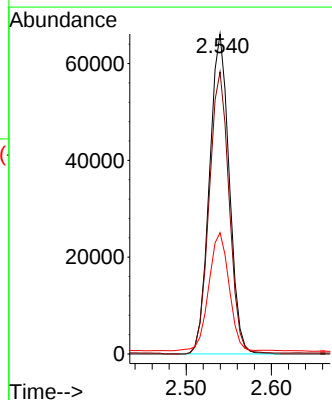
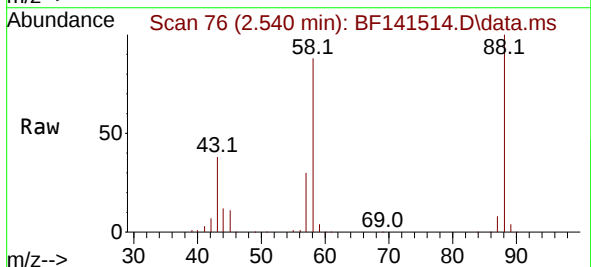
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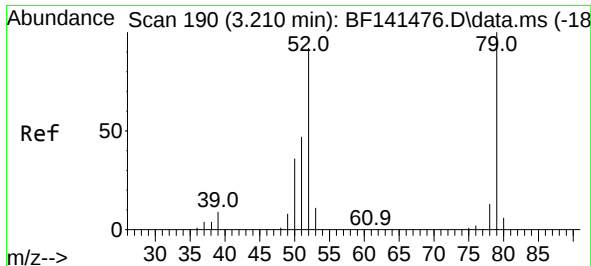
Tgt Ion:152 Resp: 87829
 Ion Ratio Lower Upper
 152 100
 150 158.2 125.0 187.4
 115 64.4 53.6 80.4



#2
 1,4-Dioxane
 Concen: 47.261 ng
 RT: 2.540 min Scan# 76
 Delta R.T. 0.059 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

Tgt Ion: 88 Resp: 106564
 Ion Ratio Lower Upper
 88 100
 58 89.1 71.1 106.7
 43 37.6 30.6 46.0





#3

Pyridine

Concen: 46.063 ng

RT: 3.269 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

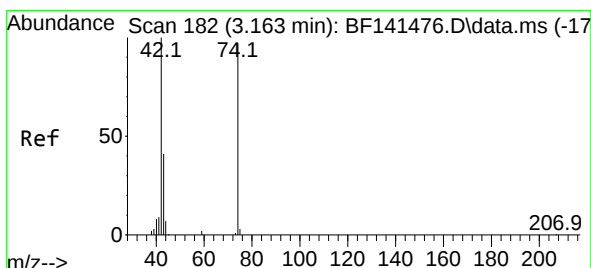
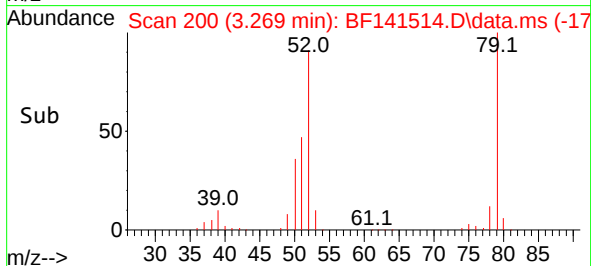
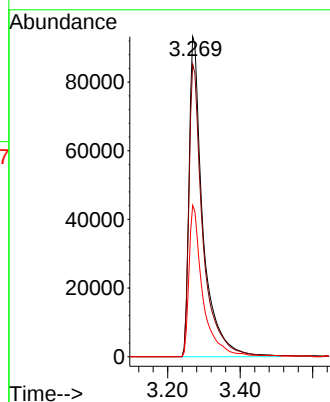
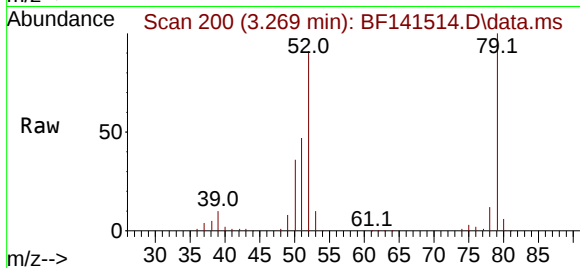
Tgt Ion: 79 Resp: 247152

Ion Ratio Lower Upper

79 100

52 91.4 73.7 110.5

51 47.3 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 46.535 ng

RT: 3.222 min Scan# 192

Delta R.T. 0.035 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

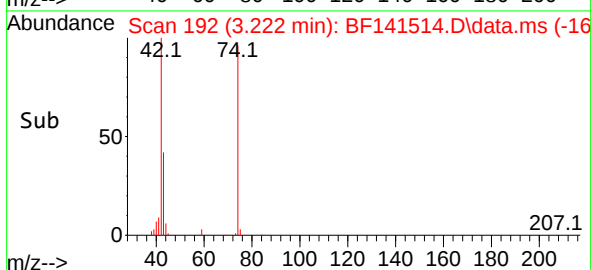
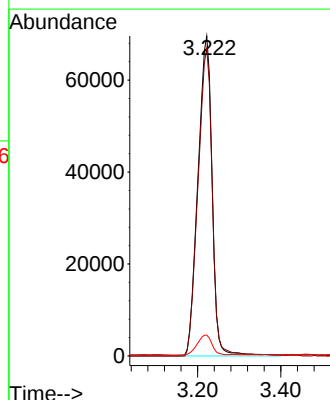
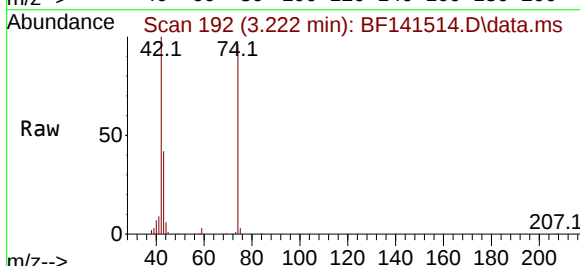
Tgt Ion: 42 Resp: 165328

Ion Ratio Lower Upper

42 100

74 96.1 78.0 117.0

44 6.5 5.4 8.2

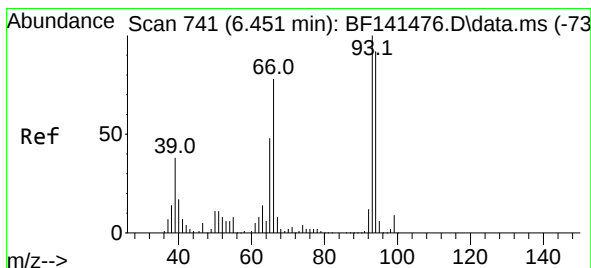
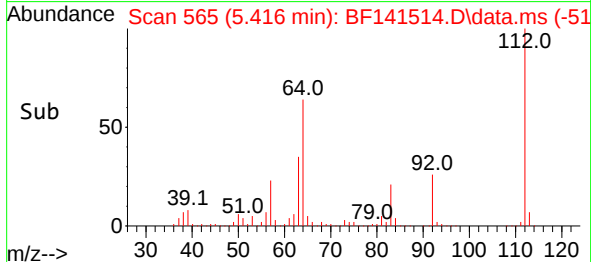
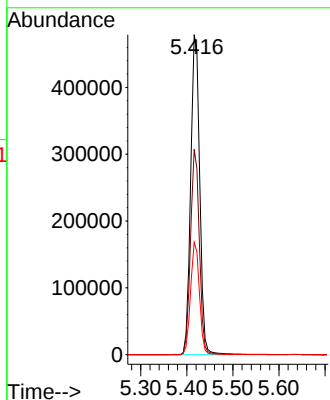
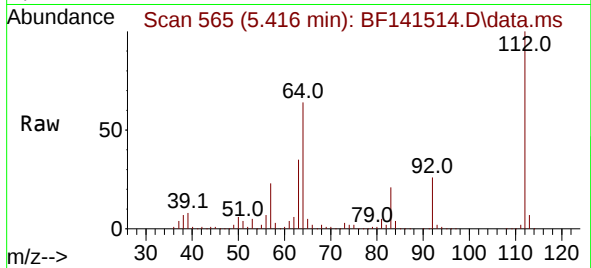




#5
2-Fluorophenol
Concen: 116.199 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

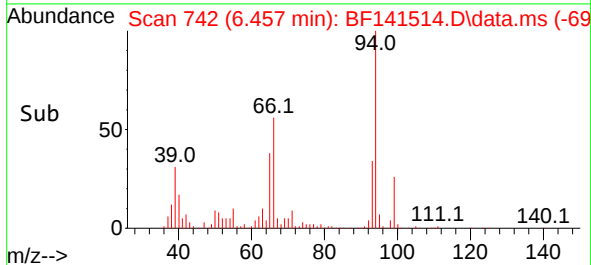
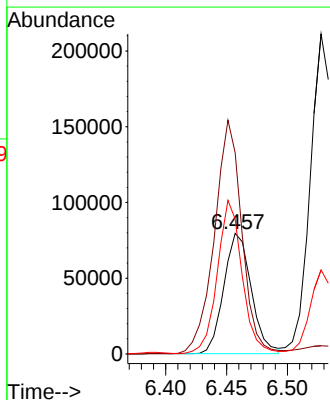
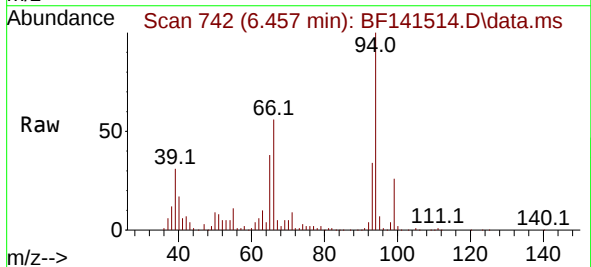
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Tgt Ion:112 Resp: 650976
Ion Ratio Lower Upper
112 100
64 64.1 51.1 76.7
63 35.2 28.4 42.6



#6
Aniline
Concen: 18.739 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion: 93 Resp: 124464
Ion Ratio Lower Upper
93 100
66 166.9 62.6 94.0#
65 111.9 38.3 57.5#

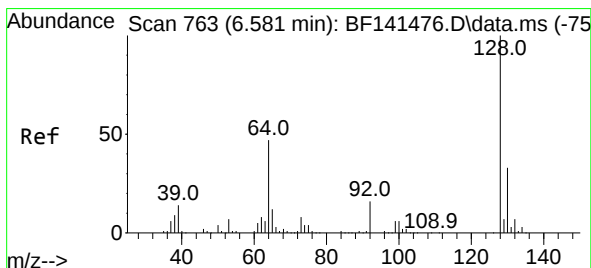
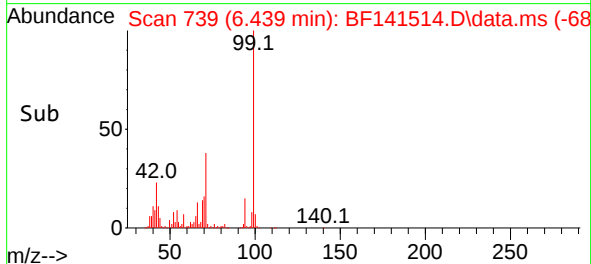
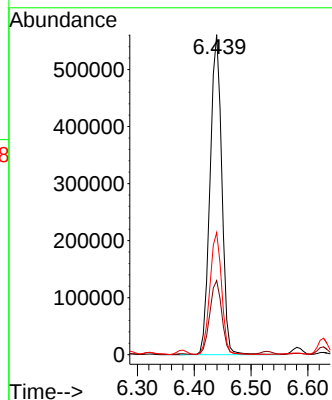
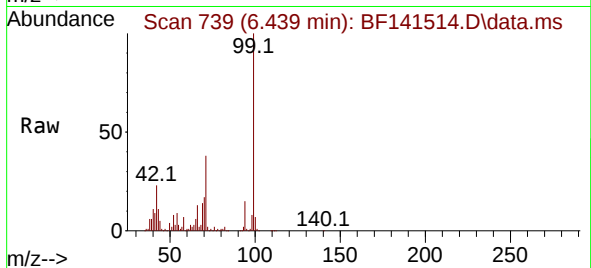




#7
Phenol-d6
Concen: 112.976 ng
RT: 6.439 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF141514.D
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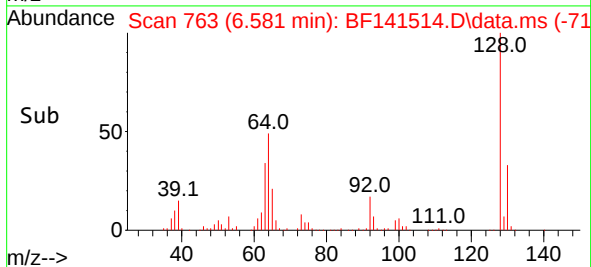
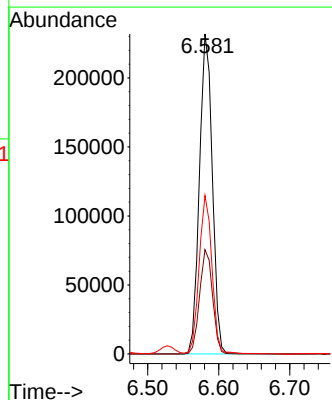
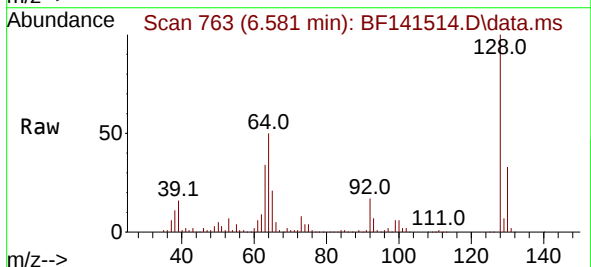
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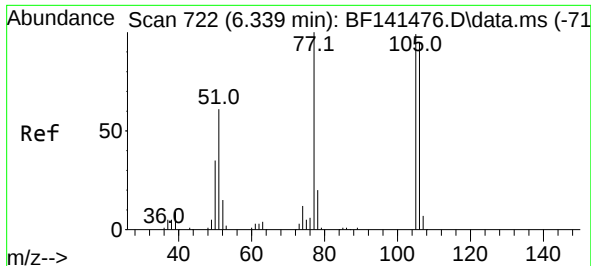
Tgt Ion: 99 Resp: 799958
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 38.2 31.1 46.7



#8
2-Chlorophenol
Concen: 48.535 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion: 128 Resp: 293807
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 49.5 28.3 68.3

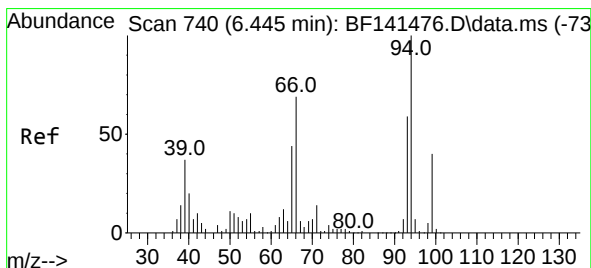
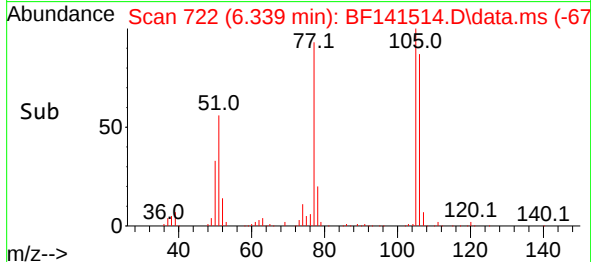
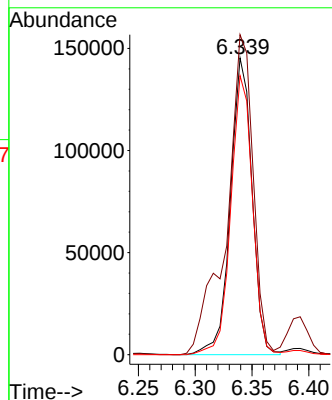
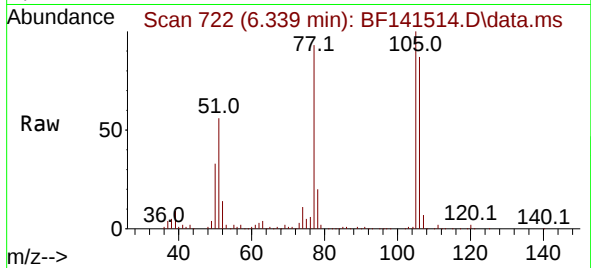




#9
Benzaldehyde
Concen: 51.171 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

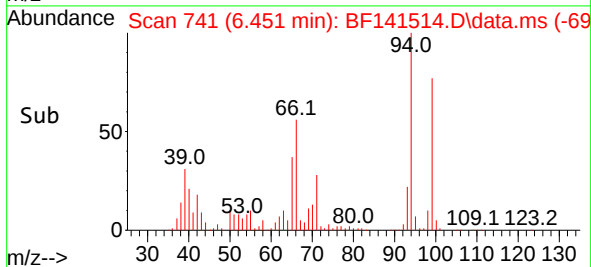
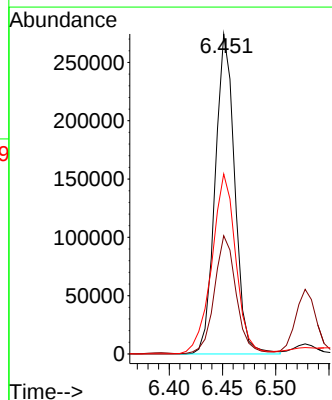
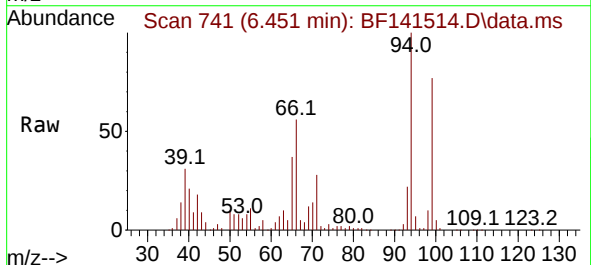
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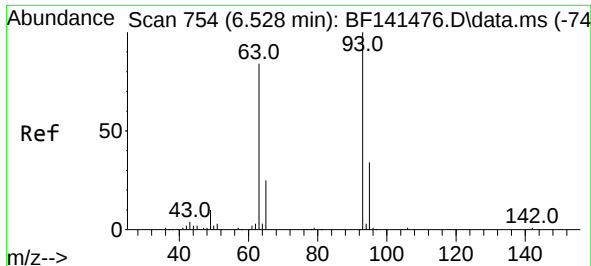
Tgt Ion: 77 Resp: 192545
Ion Ratio Lower Upper
77 100
105 107.8 79.4 119.4
106 94.0 75.1 115.1



#10
Phenol
Concen: 47.711 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141514.D
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Tgt Ion: 94 Resp: 351618
Ion Ratio Lower Upper
94 100
65 36.9 23.7 63.7
66 56.3 49.3 89.3

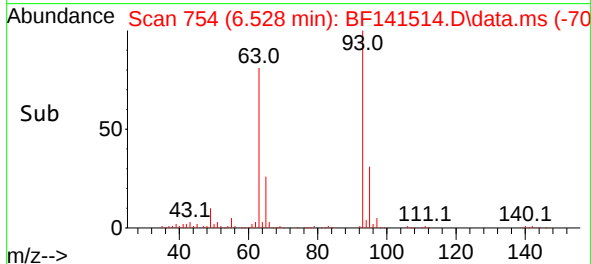
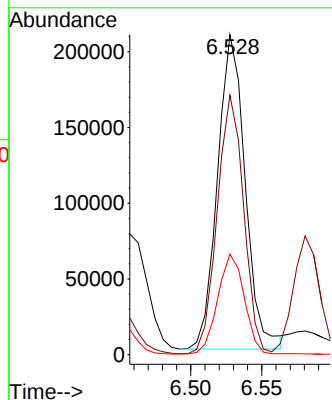
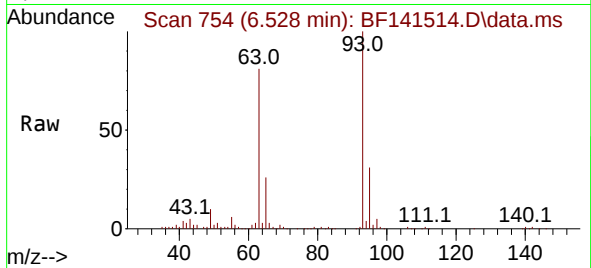




#11
bis(2-Chloroethyl)ether
Concen: 50.957 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

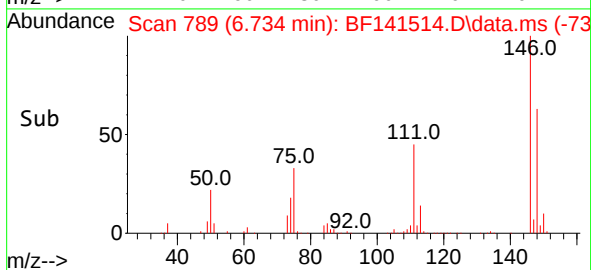
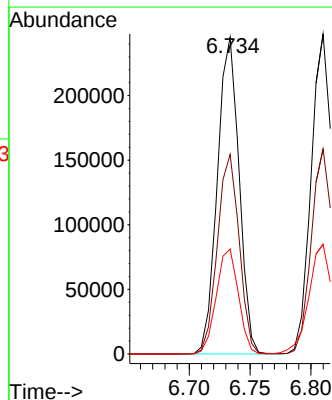
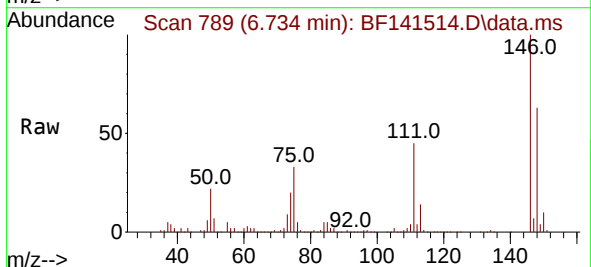
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

Tgt Ion:	93	Resp:	282074
Ion	Ratio	Lower	Upper
93	100		
63	81.1	62.0	102.0
95	31.4	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 47.629 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:	146	Resp:	304386
Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.9	77.9
75	33.1	28.2	42.2





#13

1,4-Dichlorobenzene

Concen: 46.370 ng

RT: 6.810 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

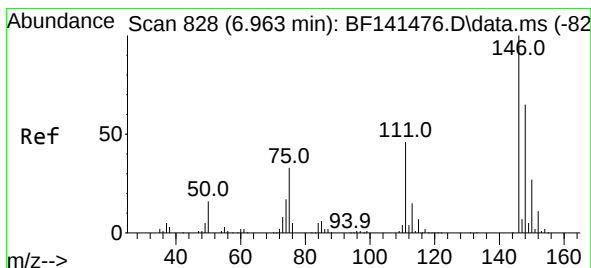
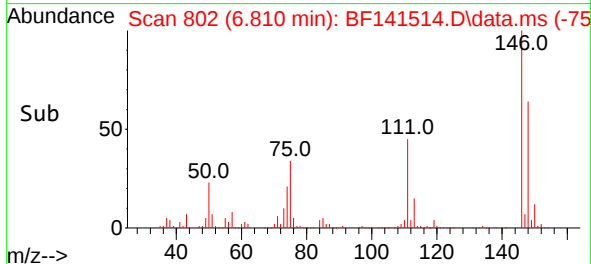
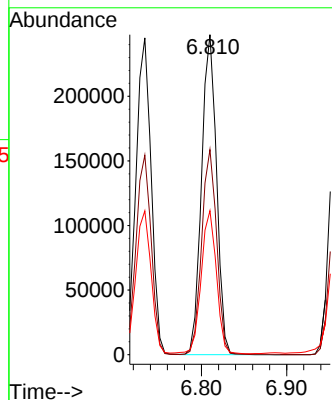
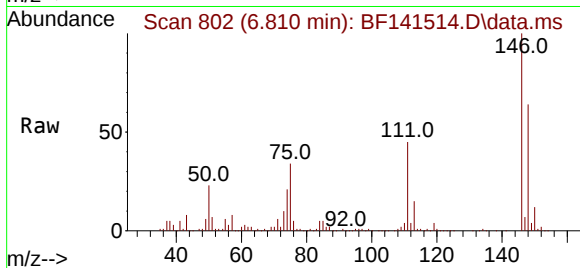
Tgt Ion:146 Resp: 302774

Ion Ratio Lower Upper

146 100

148 64.1 50.9 76.3

111 45.0 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 48.554 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

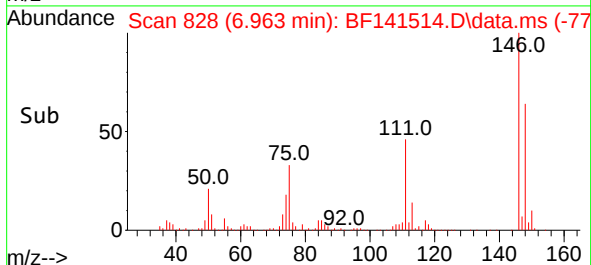
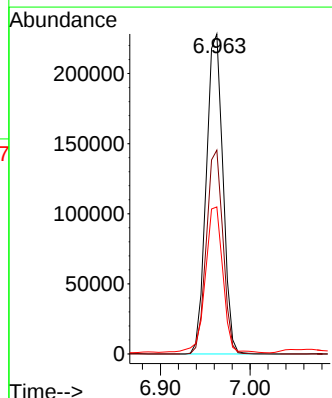
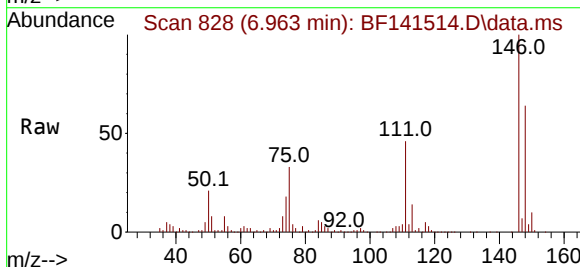
Tgt Ion:146 Resp: 294243

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 45.9 37.0 55.4

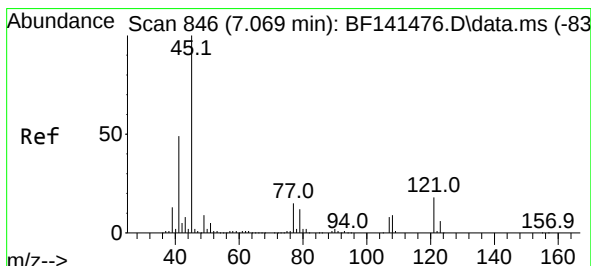
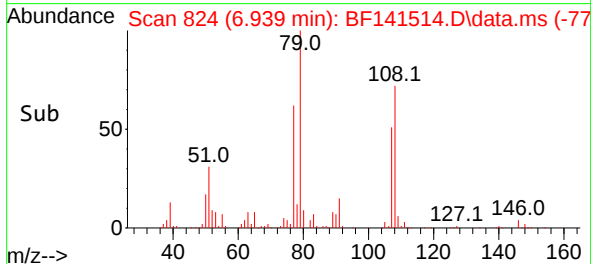
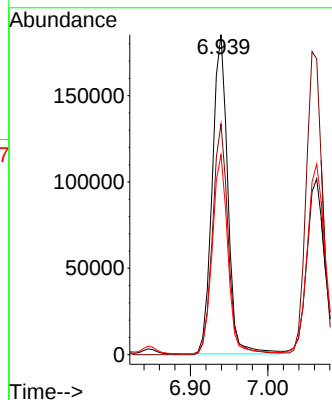
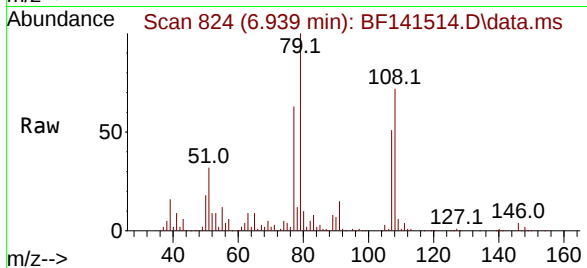




#15
Benzyl Alcohol
Concen: 47.336 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

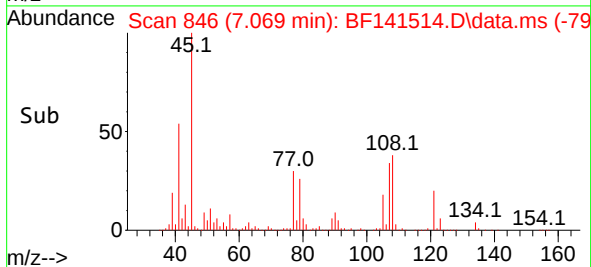
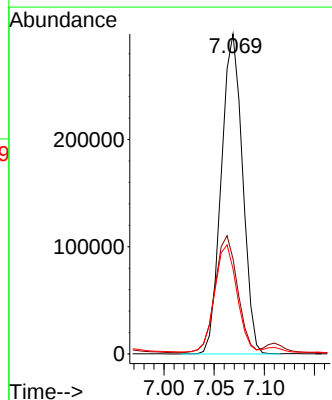
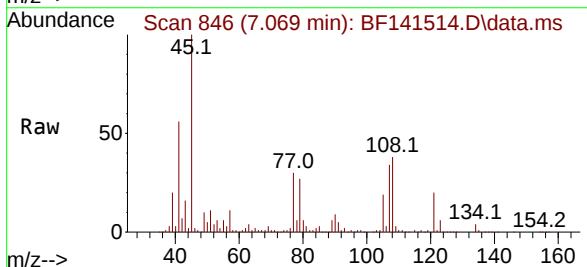
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

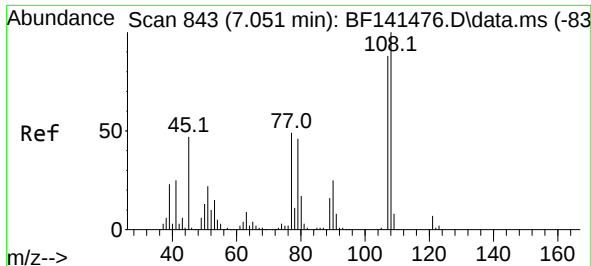
Tgt Ion: 79 Resp: 257028
Ion Ratio Lower Upper
79 100
108 72.1 57.4 86.2
77 62.5 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.290 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion: 45 Resp: 438627
Ion Ratio Lower Upper
45 100
77 29.8 0.0 35.8
79 26.6 0.0 32.7

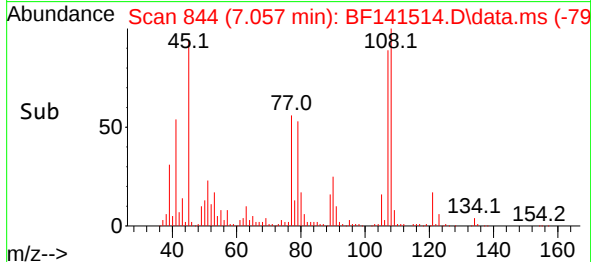
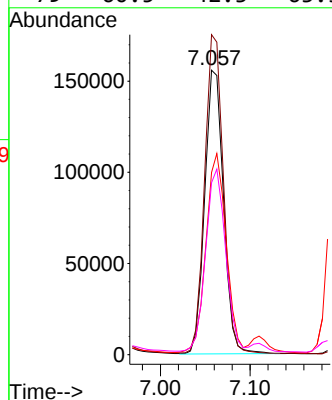
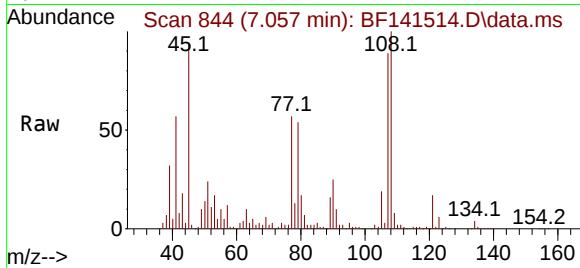




#17
2-Methylphenol
Concen: 47.871 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

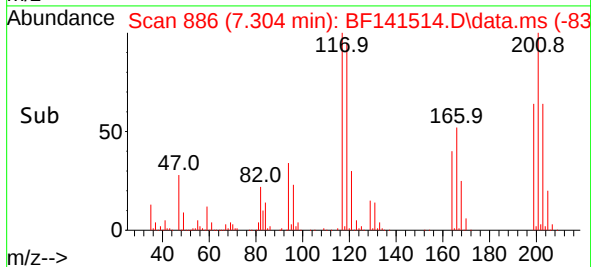
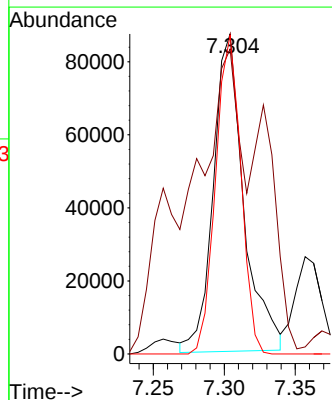
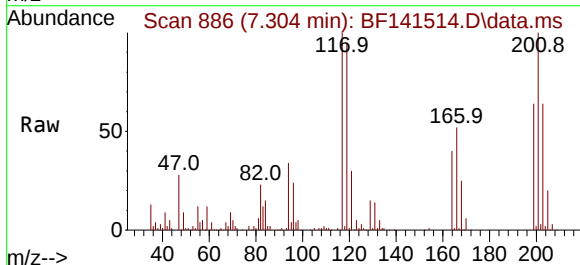
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

Tgt Ion:107 Resp: 226772
Ion Ratio Lower Upper
107 100
108 112.5 90.6 136.0
77 64.1 44.4 66.6
79 60.5 42.3 63.5



#18
Hexachloroethane
Concen: 53.507 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:117 Resp: 129299
Ion Ratio Lower Upper
117 100
119 95.3 76.5 114.7
201 99.6 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 49.180 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141514.D

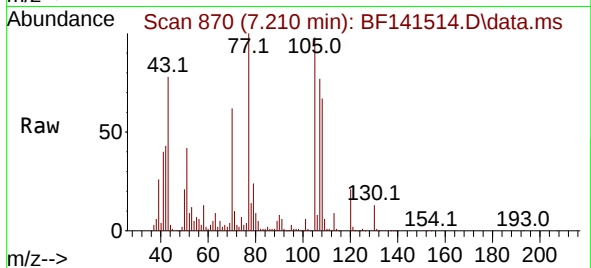
Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD



Tgt Ion: 70 Resp: 208301

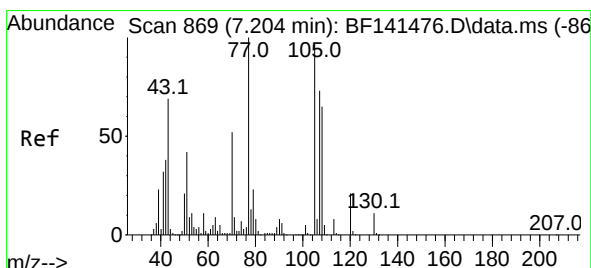
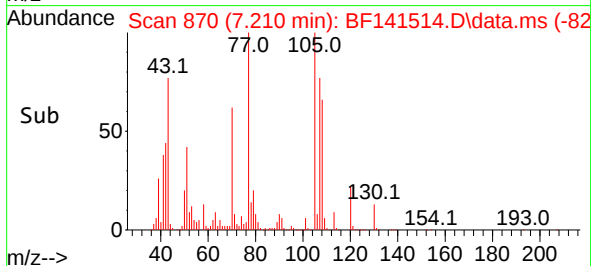
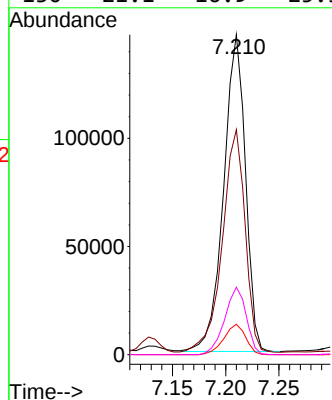
Ion Ratio Lower Upper

70 100

42 70.3 57.4 86.2

101 9.5 8.0 12.0

130 21.1 16.9 25.3



#20

3+4-Methylphenols

Concen: 50.165 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Tgt Ion: 107 Resp: 302009

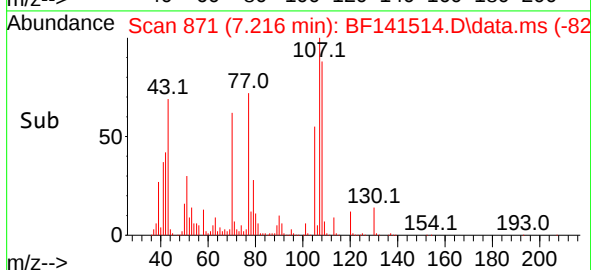
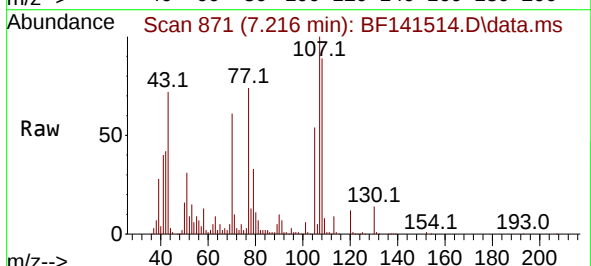
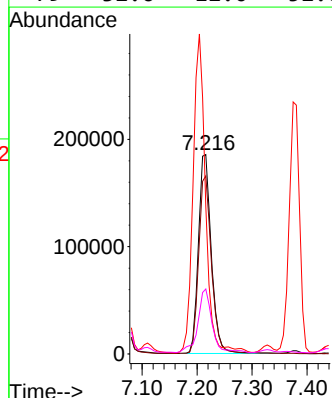
Ion Ratio Lower Upper

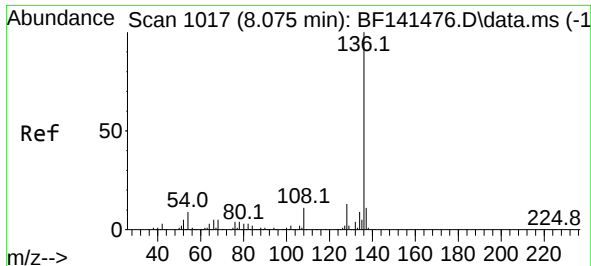
107 100

108 89.3 68.5 108.5

77 74.1 116.5 156.5

79 32.6 12.0 52.0



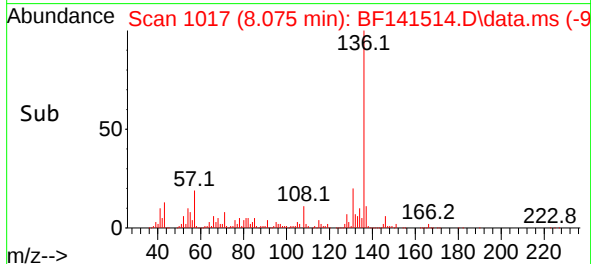
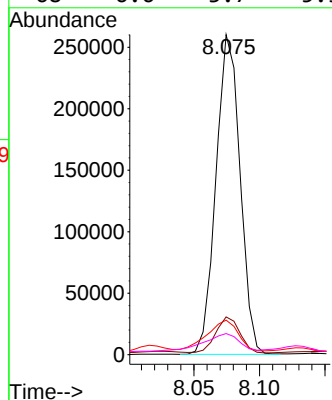
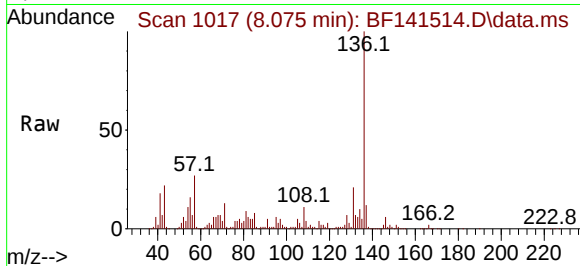


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

Tgt Ion:136 Resp: 332042

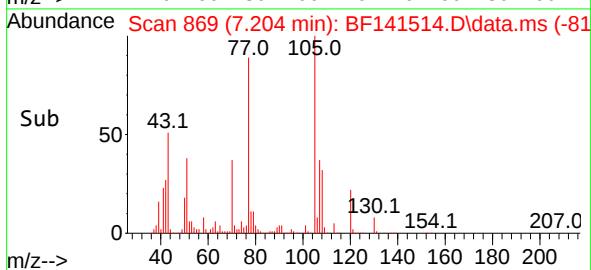
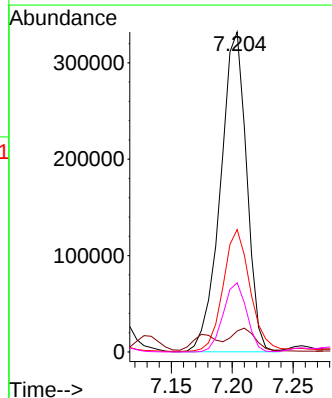
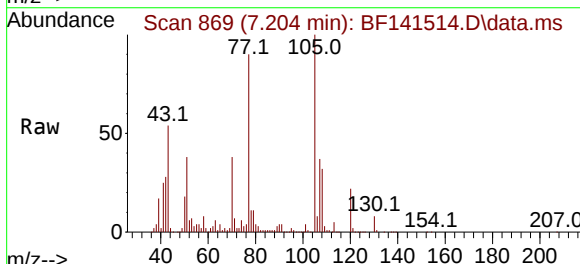
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.6	13.0
54	10.8	7.2	10.8
68	6.6	3.7	5.5

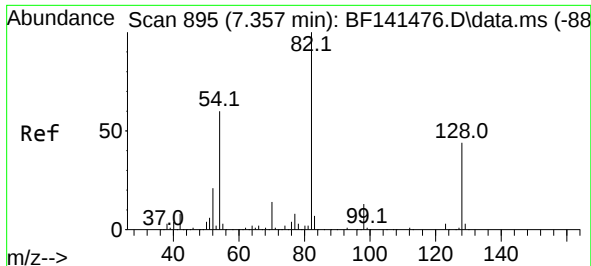


#22
Acetophenone
Concen: 60.139 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:105 Resp: 496732

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.7	8.5
51	38.2	33.7	50.5
120	21.6	17.0	25.6





#23

Nitrobenzene-d5

Concen: 84.112 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

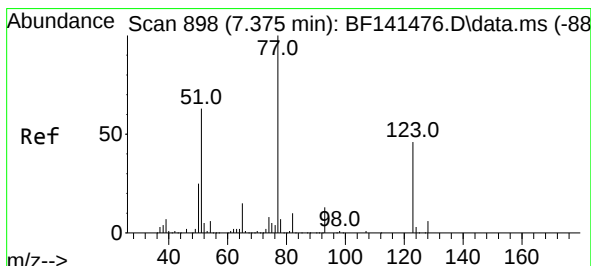
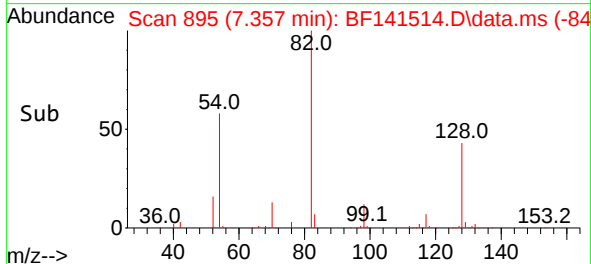
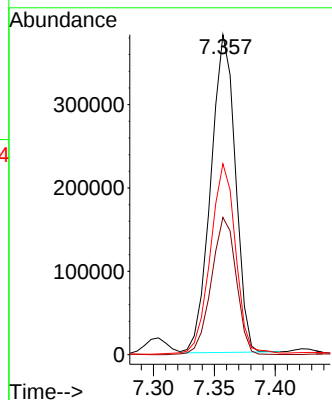
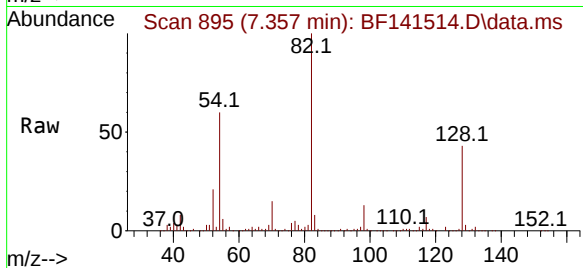
BNA_F

ClientSampleId :

HR-01-020425MSD

Tgt Ion: 82 Resp: 535459

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	59.7	48.2	72.4



#24

Nitrobenzene

Concen: 48.835 ng

RT: 7.375 min Scan# 898

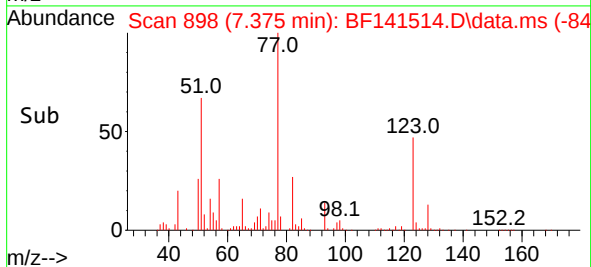
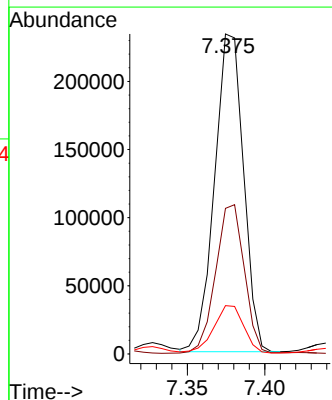
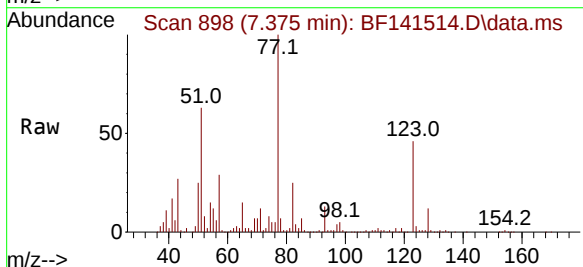
Delta R.T. -0.006 min

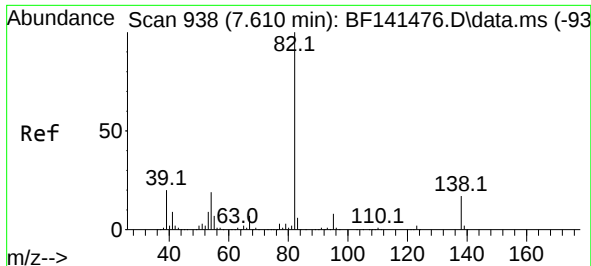
Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Tgt Ion: 77 Resp: 303154

Ion	Ratio	Lower	Upper
77	100		
123	45.5	36.9	55.3
65	15.1	11.9	17.9

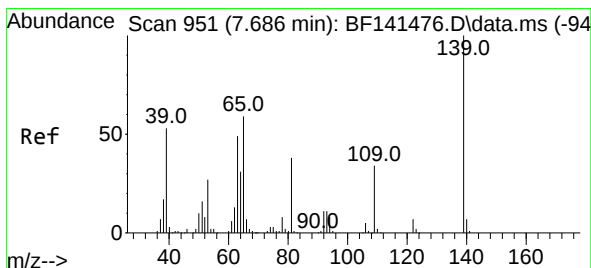
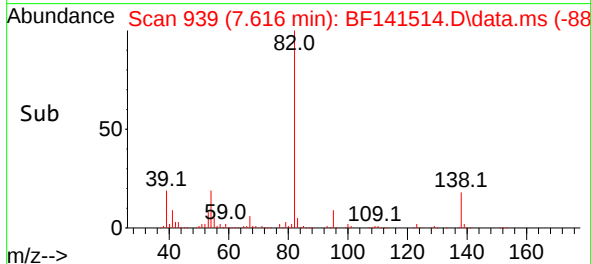
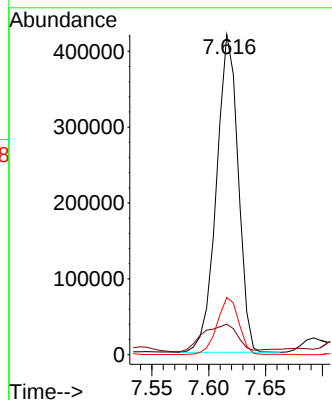
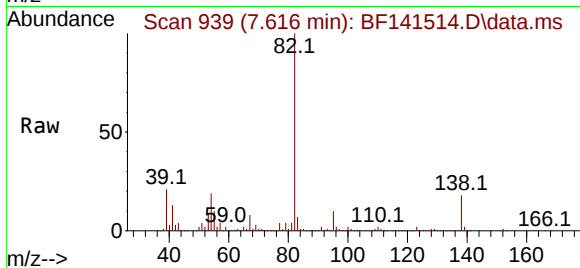




#25
Isophorone
Concen: 55.058 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

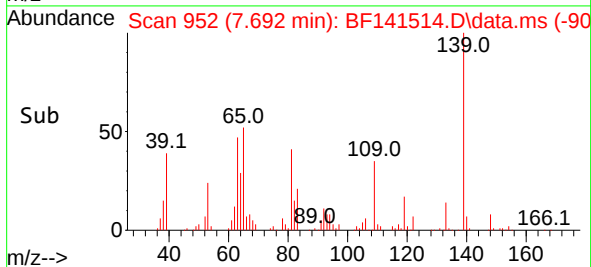
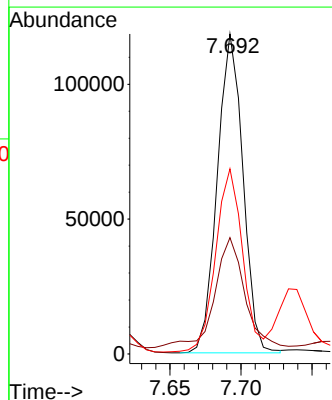
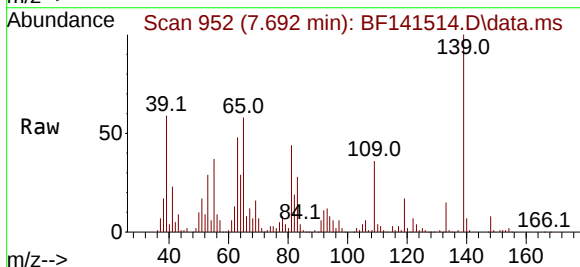
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

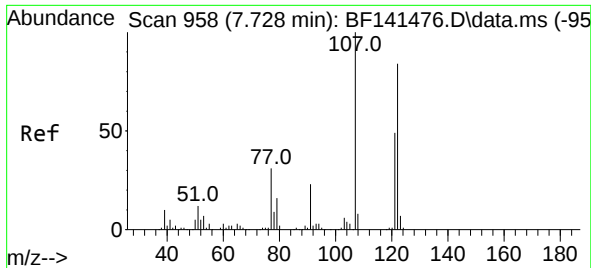
Tgt Ion: 82 Resp: 558868
Ion Ratio Lower Upper
82 100
95 9.6 6.4 9.6
138 17.8 13.9 20.9



#26
2-Nitrophenol
Concen: 48.111 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:139 Resp: 148587
Ion Ratio Lower Upper
139 100
109 36.3 27.0 40.6
65 57.9 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 64.167 ng

RT: 7.739 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

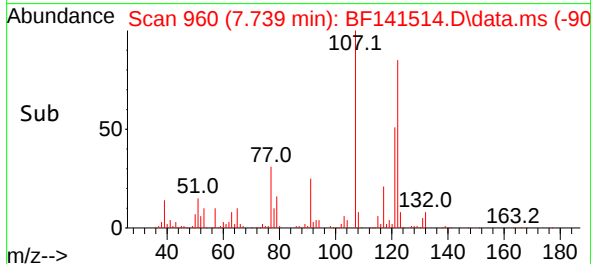
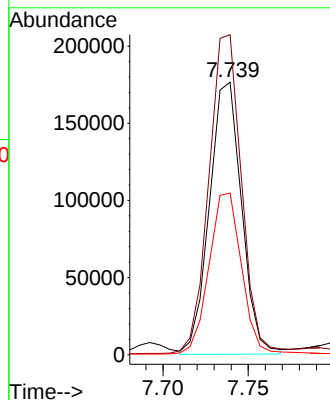
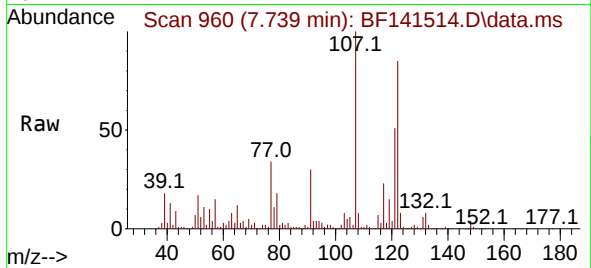
Tgt Ion:122 Resp: 231513

Ion Ratio Lower Upper

122 100

107 117.5 94.3 141.5

121 59.4 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 50.222 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

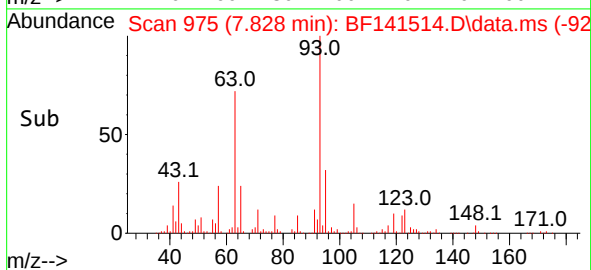
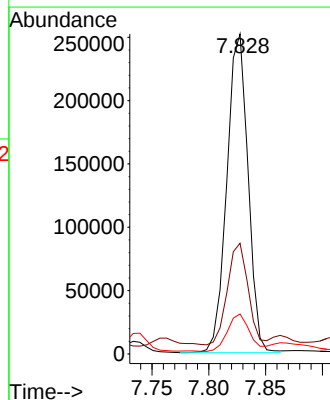
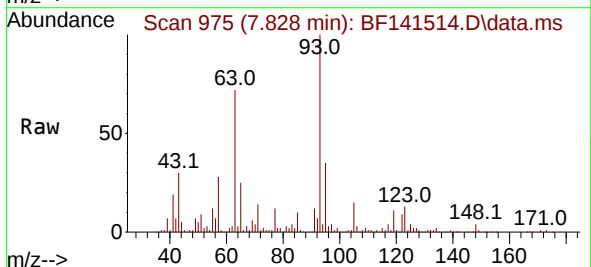
Tgt Ion: 93 Resp: 326657

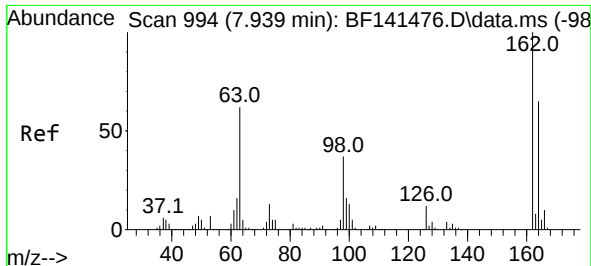
Ion Ratio Lower Upper

93 100

95 34.6 26.1 39.1

123 12.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 49.809 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

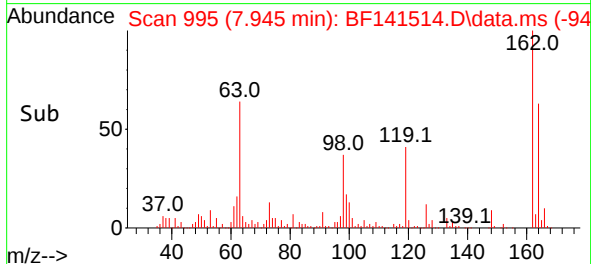
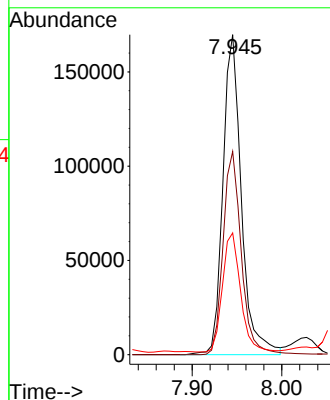
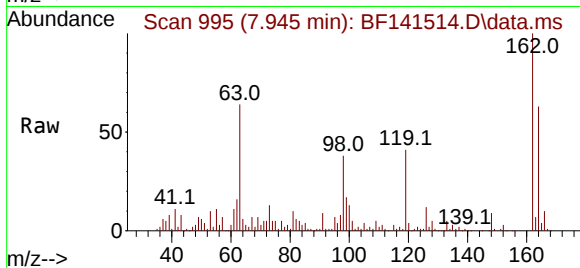
Tgt Ion:162 Resp: 242811

Ion Ratio Lower Upper

162 100

164 63.5 44.6 84.6

98 38.0 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 48.233 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

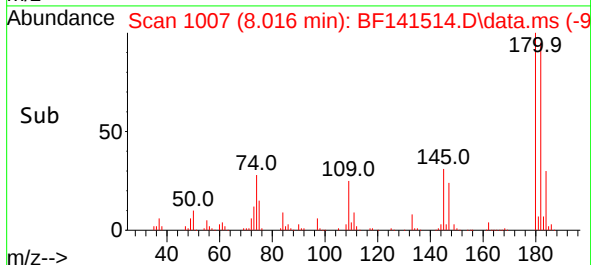
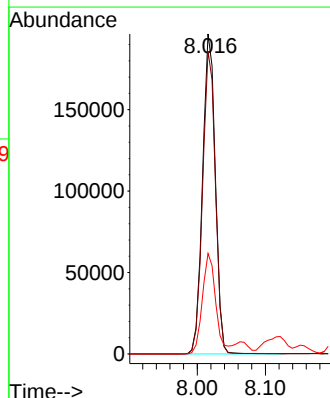
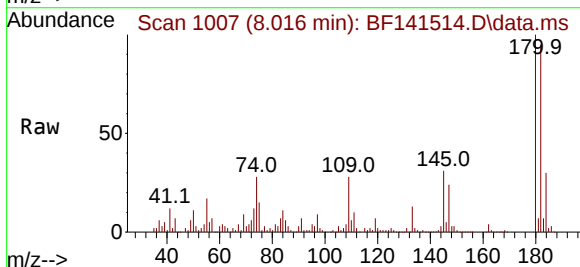
Tgt Ion:180 Resp: 256050

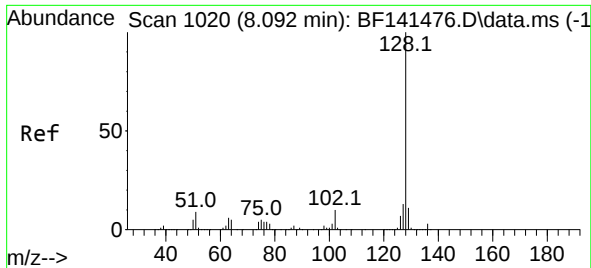
Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 31.4 24.2 36.4

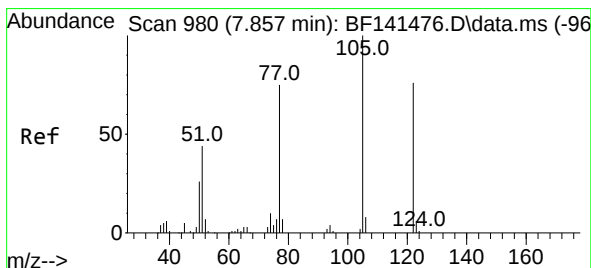
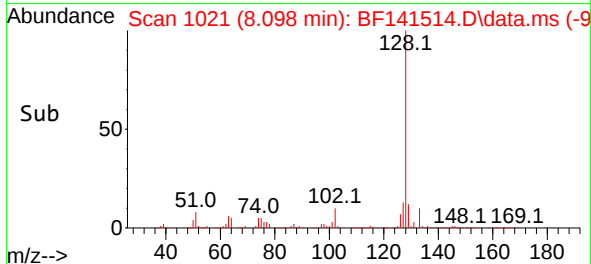
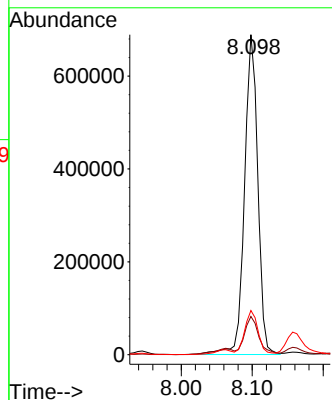
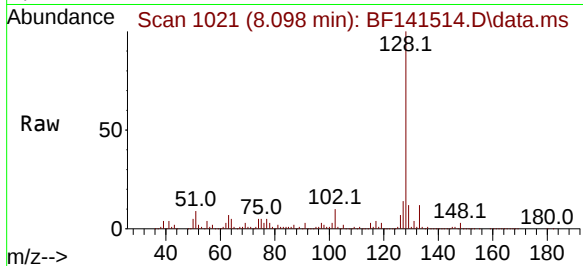




#31
Naphthalene
Concen: 52.103 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

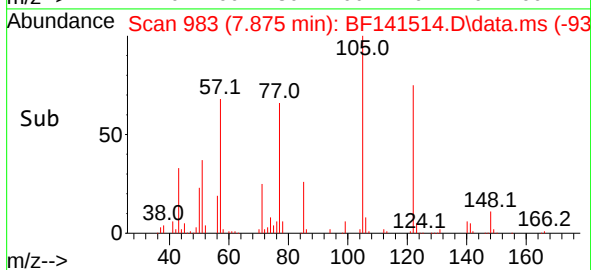
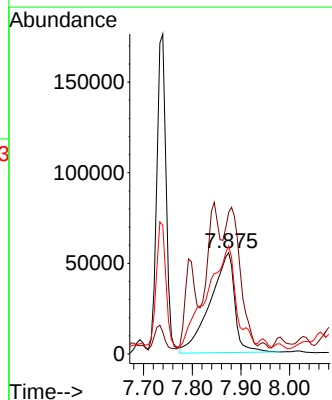
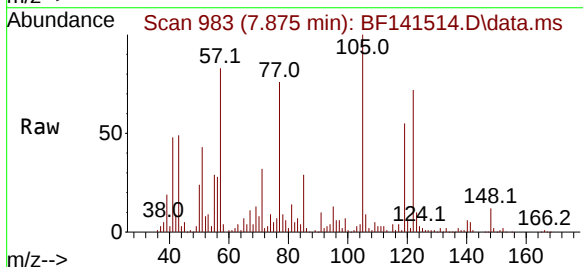
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

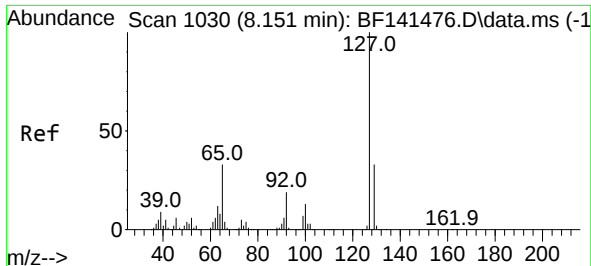
Tgt Ion:128 Resp: 900555
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.8 10.7 16.1



#32
Benzoic acid
Concen: 51.439 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.018 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:122 Resp: 192774
Ion Ratio Lower Upper
122 100
105 139.8 106.5 146.5
77 106.7 76.3 116.3

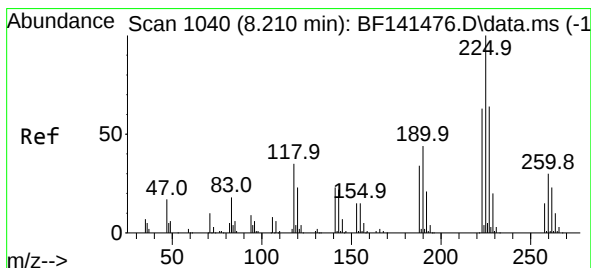
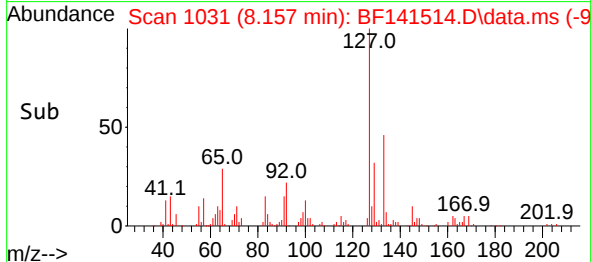
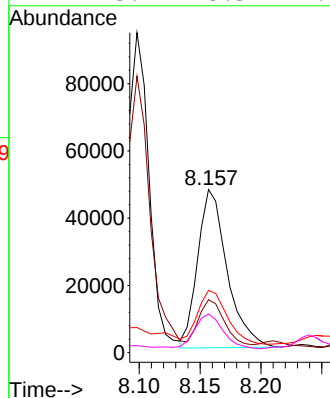
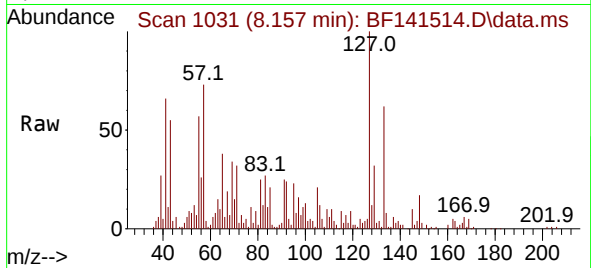




#33
4-Chloroaniline
Concen: 13.128 ng
RT: 8.157 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

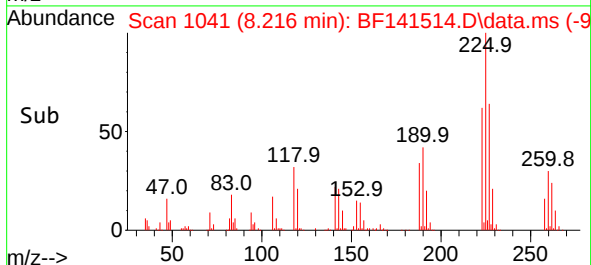
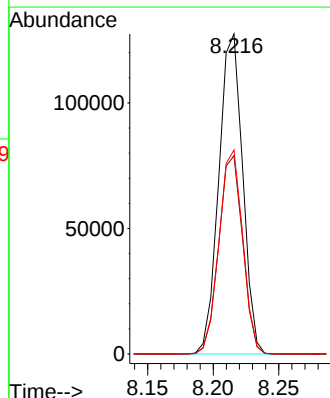
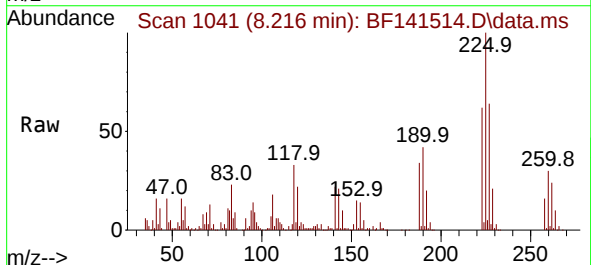
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

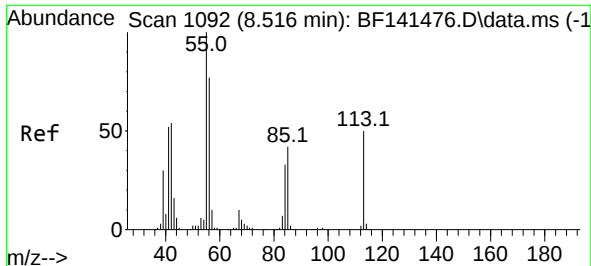
Tgt Ion:127	Resp:	79221
Ion Ratio	Lower	Upper
127	100	
129	32.5	26.5 39.7
65	38.2	26.4 39.6
92	23.7	15.3 22.9



#34
Hexachlorobutadiene
Concen: 50.466 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:225	Resp:	160832
Ion Ratio	Lower	Upper
225	100	
223	62.0	50.1 75.1
227	63.8	51.0 76.6

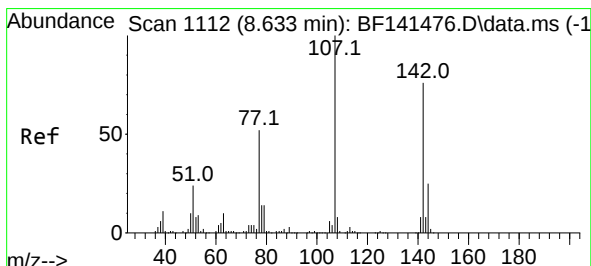
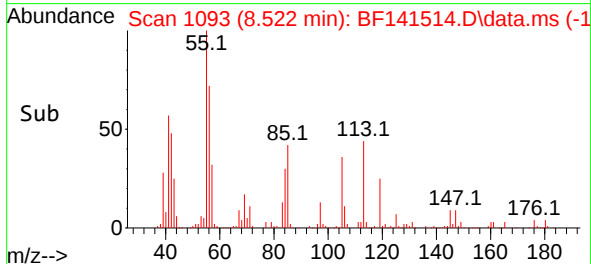
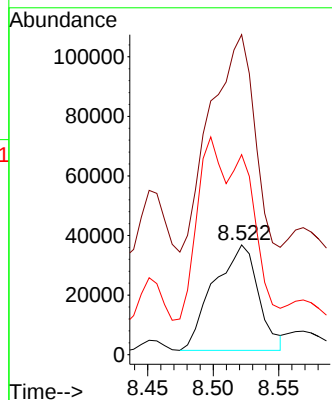
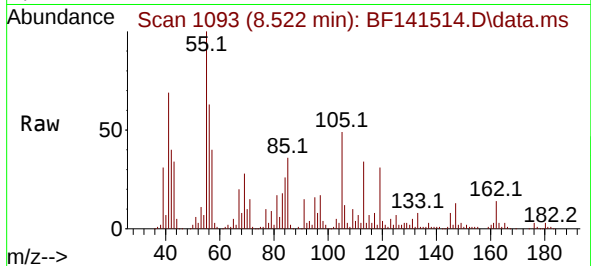




#35
 Caprolactam
 Concen: 56.500 ng
 RT: 8.522 min Scan# 1093
 Delta R.T. -0.024 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

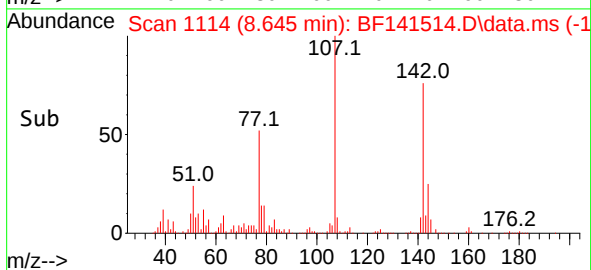
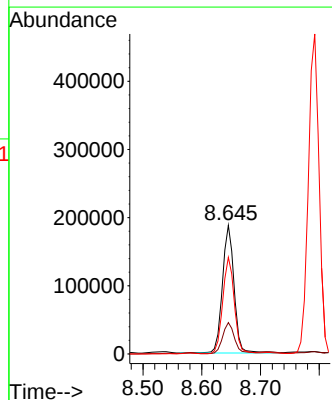
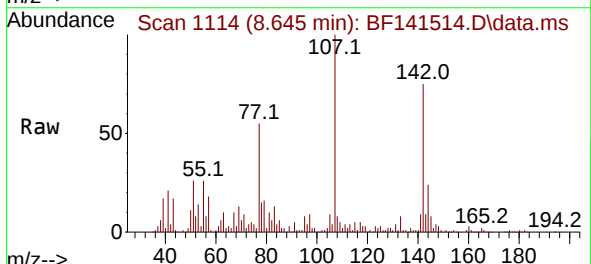
Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MSD

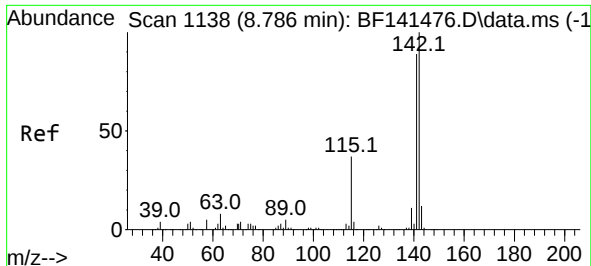
Tgt Ion:113 Resp: 83861
 Ion Ratio Lower Upper
 113 100
 55 291.6 180.8 220.8#
 56 182.3 133.6 173.6#



#36
 4-Chloro-3-methylphenol
 Concen: 47.714 ng
 RT: 8.645 min Scan# 1114
 Delta R.T. 0.006 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

Tgt Ion:107 Resp: 257656
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.7 29.5
 142 75.1 60.8 91.2





#37

2-Methylnaphthalene

Concen: 52.900 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

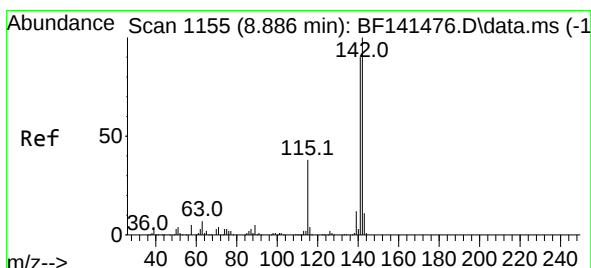
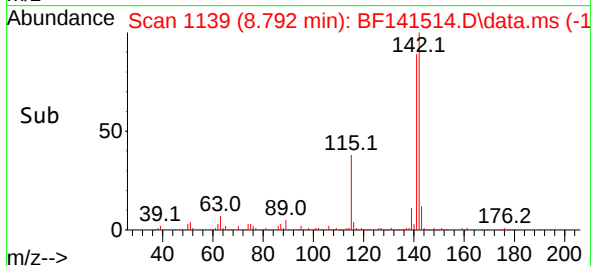
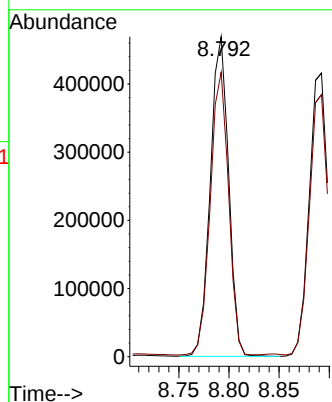
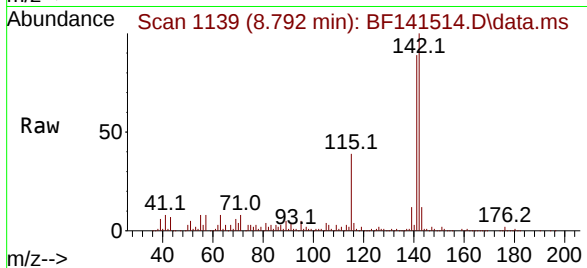
HR-01-020425MSD

Tgt Ion:142 Resp: 594979

Ion Ratio Lower Upper

142 100

141 88.9 71.2 106.8



#38

1-Methylnaphthalene

Concen: 49.888 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.006 min

Lab File: BF141514.D

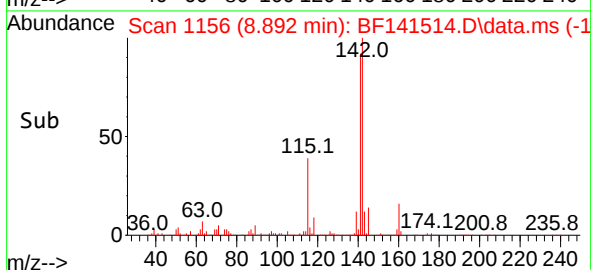
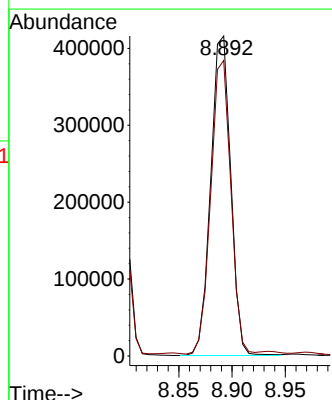
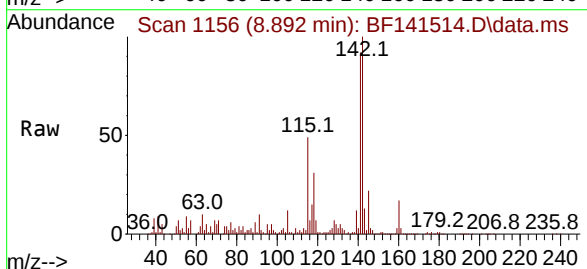
Acq: 07 Feb 2025 18:09

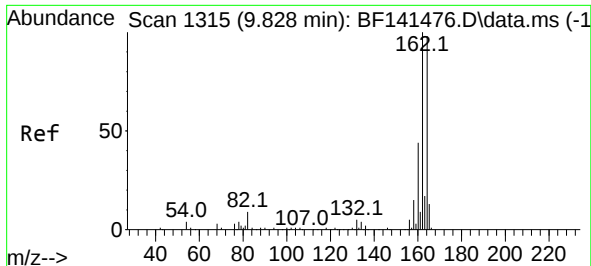
Tgt Ion:142 Resp: 543445

Ion Ratio Lower Upper

142 100

141 92.4 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

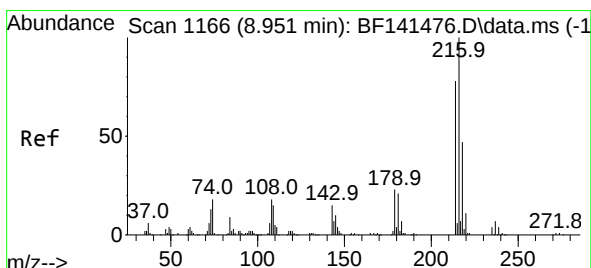
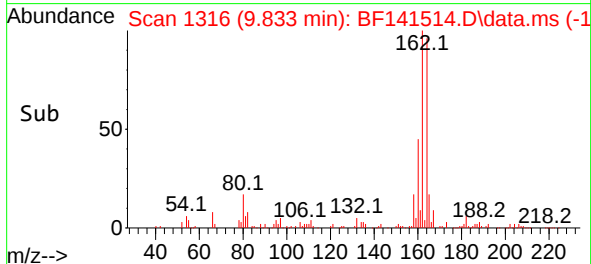
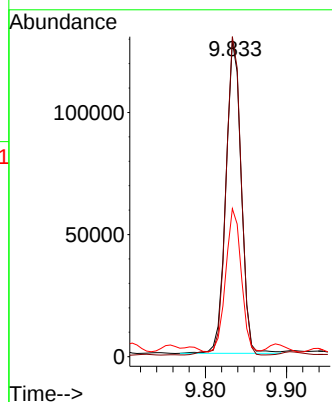
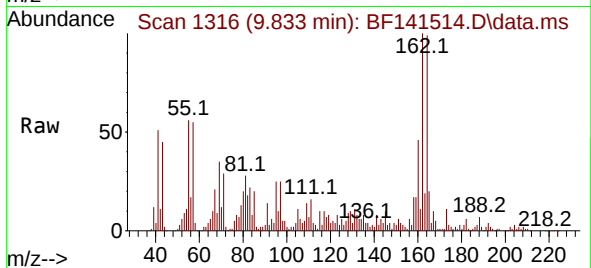
Tgt Ion:164 Resp: 168976

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 46.9 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 54.496 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Tgt Ion:216 Resp: 266415

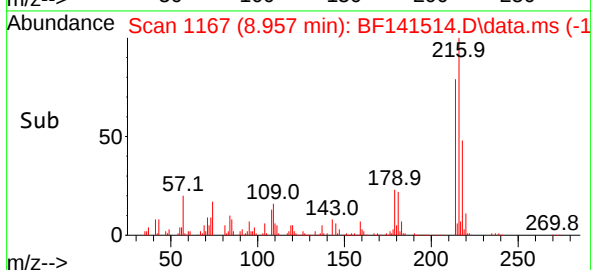
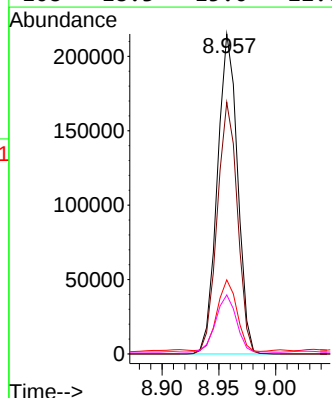
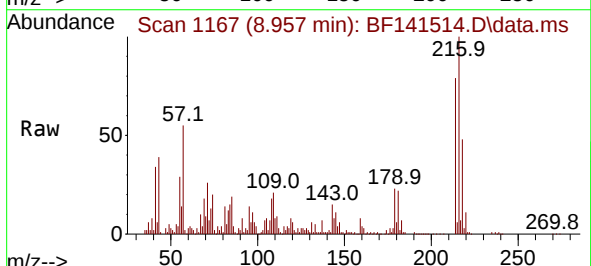
Ion Ratio Lower Upper

216 100

214 78.6 62.3 93.5

179 22.1 18.0 27.0

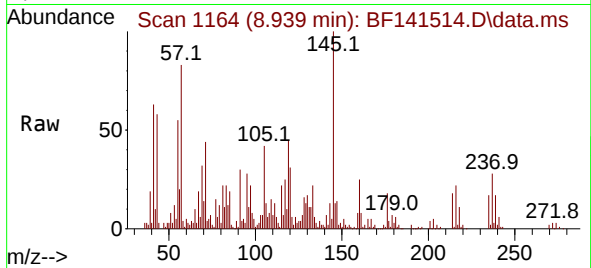
108 18.3 15.0 22.6



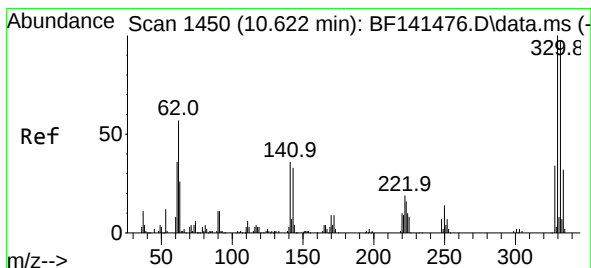
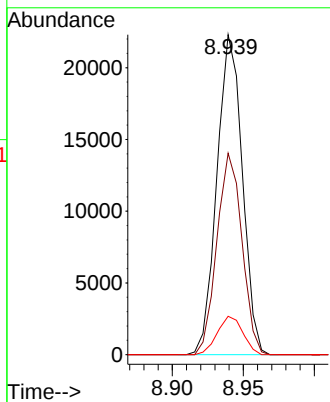
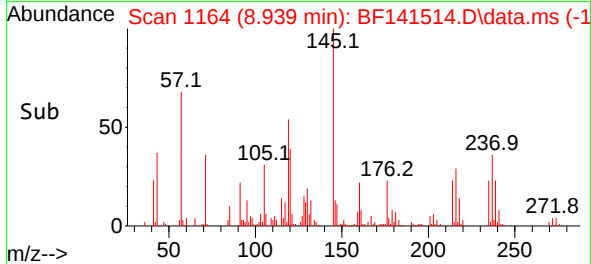


#41
Hexachlorocyclopentadiene
Concen: 17.043 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

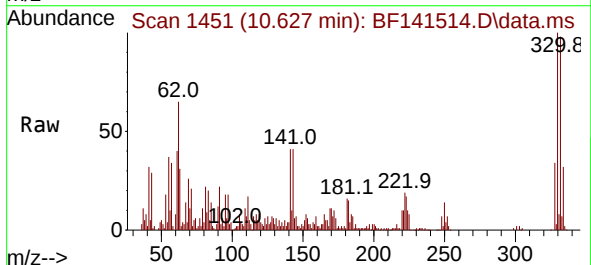
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD



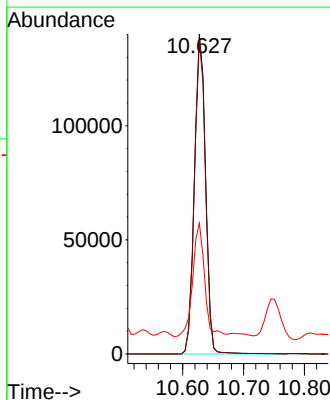
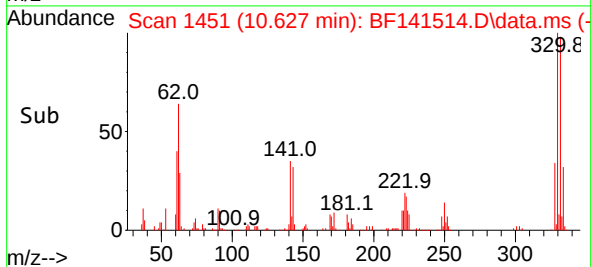
Tgt Ion:237 Resp: 27712
Ion Ratio Lower Upper
237 100
235 63.0 41.4 81.4
272 12.0 0.0 32.4

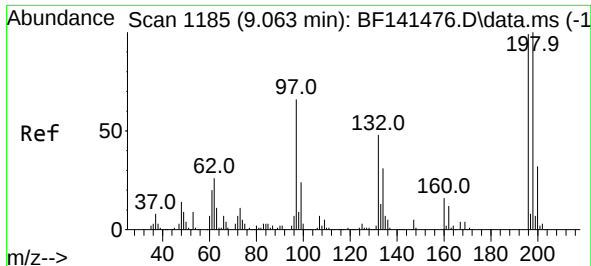


#42
2,4,6-Tribromophenol
Concen: 105.128 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09



Tgt Ion:330 Resp: 178448
Ion Ratio Lower Upper
330 100
332 97.8 78.5 117.7
141 37.8 31.0 46.4

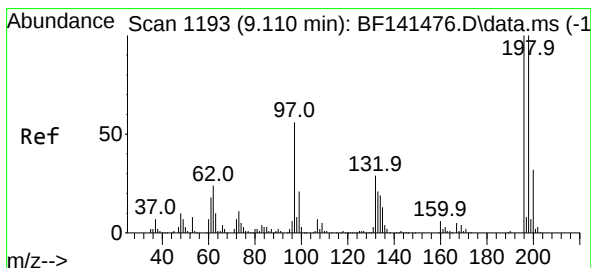
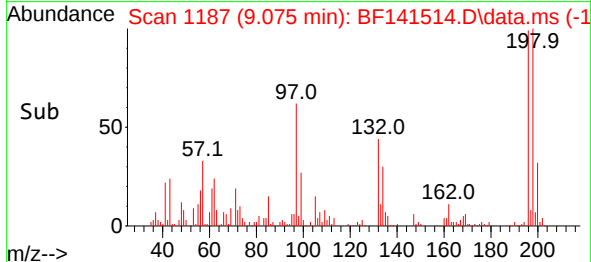
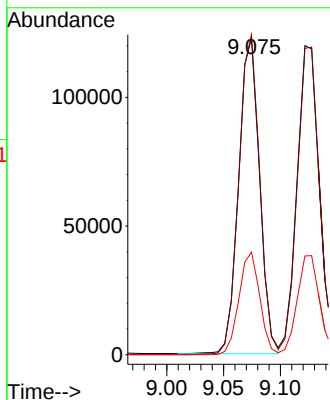
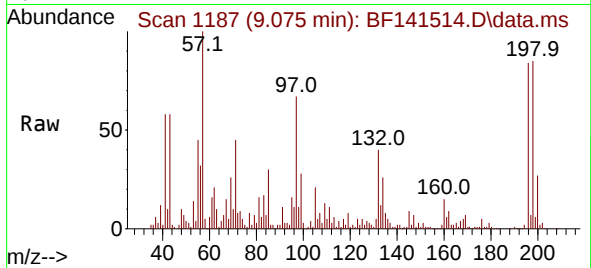




#43
2,4,6-Trichlorophenol
Concen: 49.685 ng
RT: 9.075 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

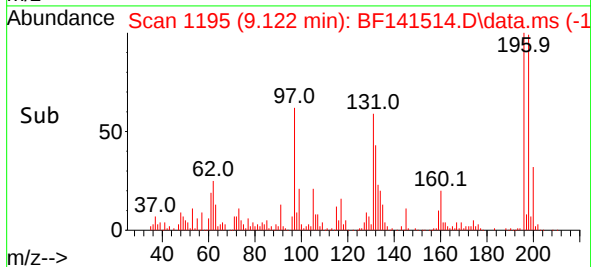
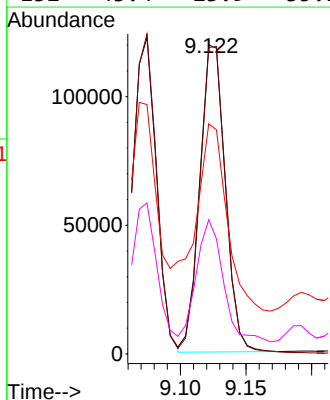
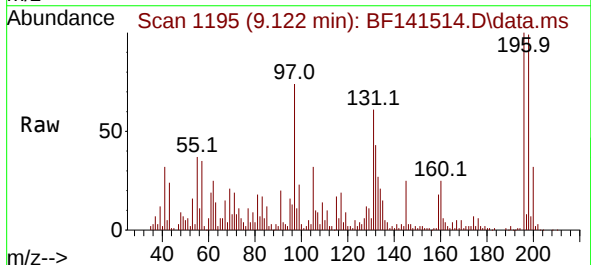
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

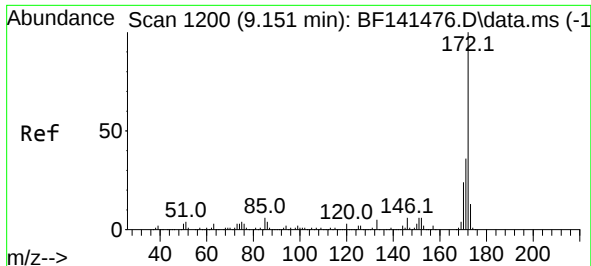
Tgt Ion:196 Resp: 156986
Ion Ratio Lower Upper
196 100
198 101.2 80.6 121.0
200 32.4 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 47.305 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:196 Resp: 161985
Ion Ratio Lower Upper
196 100
198 99.2 79.8 119.8
97 74.5 44.8 67.2#
132 43.4 23.9 35.9#

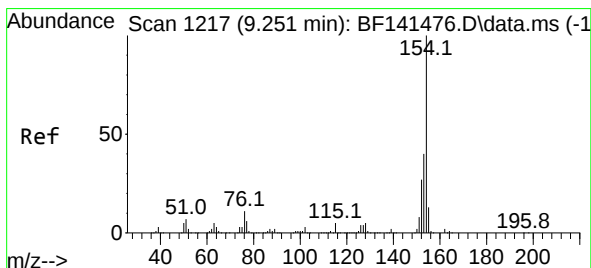
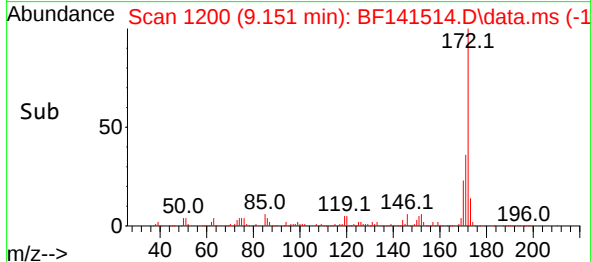
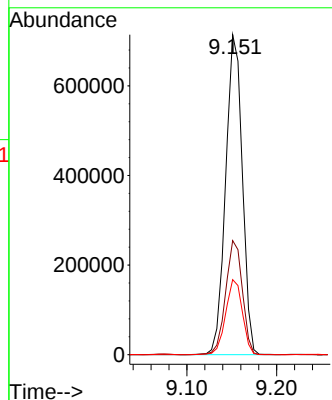
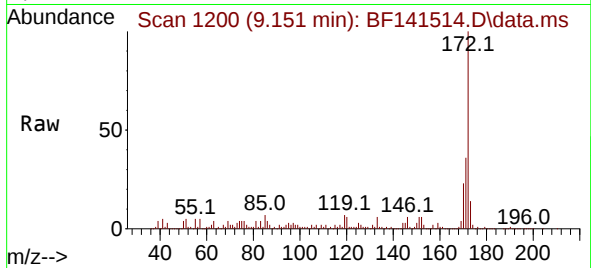




#45
2-Fluorobiphenyl
Concen: 84.029 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

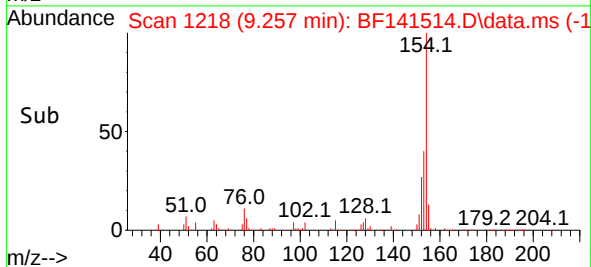
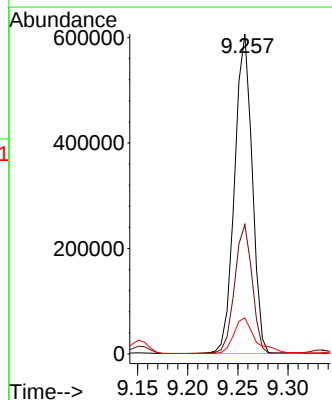
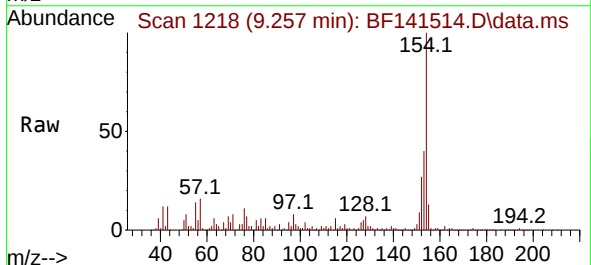
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

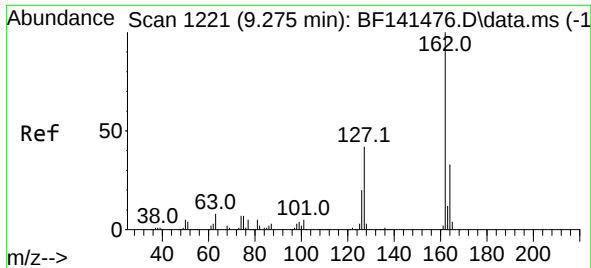
Tgt Ion:172 Resp: 921618
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 56.602 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:154 Resp: 741514
Ion Ratio Lower Upper
154 100
153 40.5 20.4 60.4
76 11.3 0.0 30.8

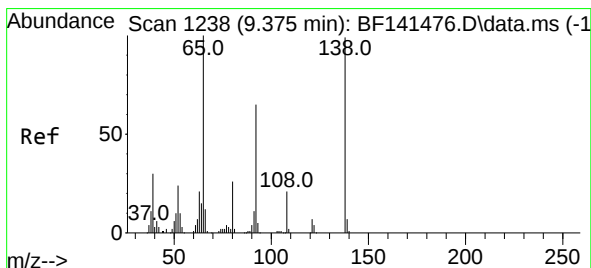
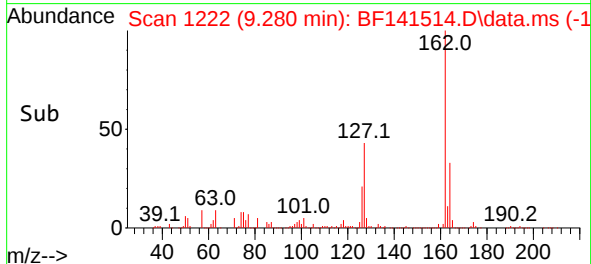
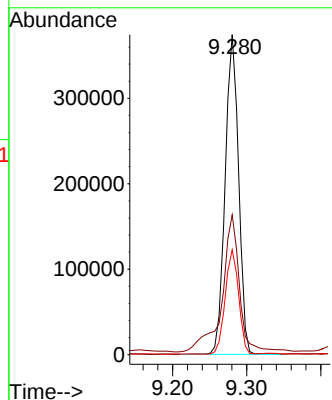
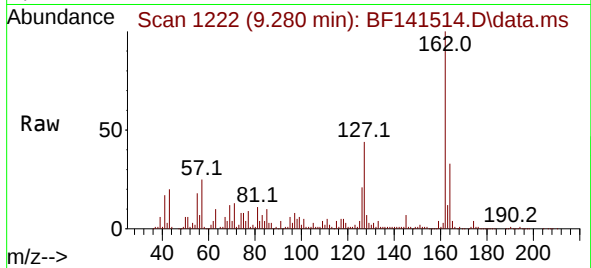




#47
2-Chloronaphthalene
Concen: 48.698 ng
RT: 9.280 min Scan# 1221
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

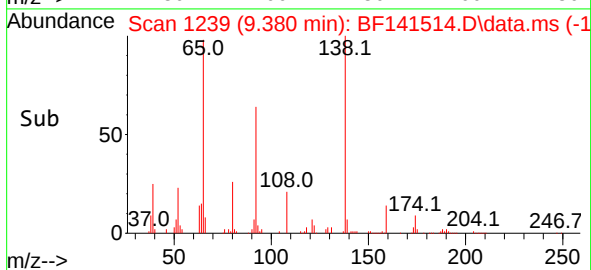
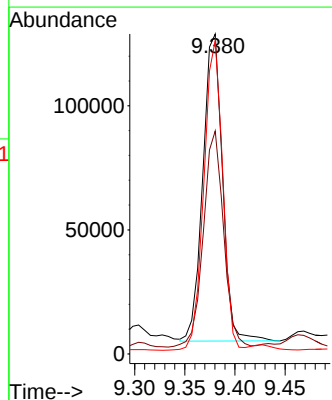
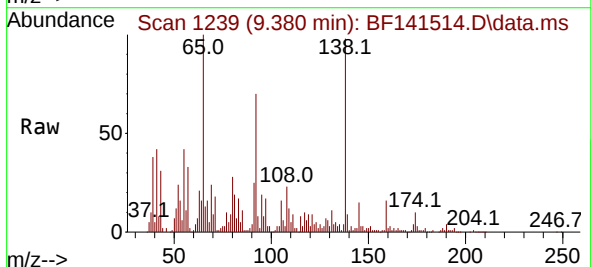
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

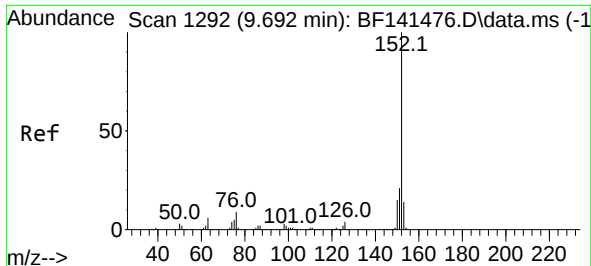
Tgt Ion:162 Resp: 471753
Ion Ratio Lower Upper
162 100
127 43.7 34.1 51.1
164 32.8 26.3 39.5



#48
2-Nitroaniline
Concen: 52.065 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion: 65 Resp: 169268
Ion Ratio Lower Upper
65 100
92 69.7 52.2 78.2
138 97.9 79.5 119.3

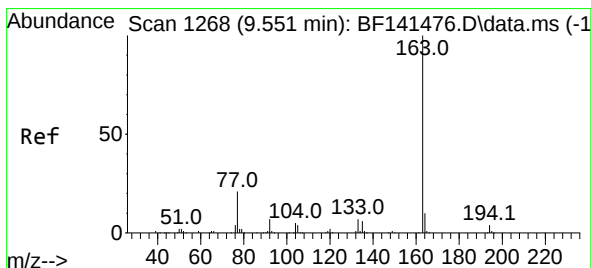
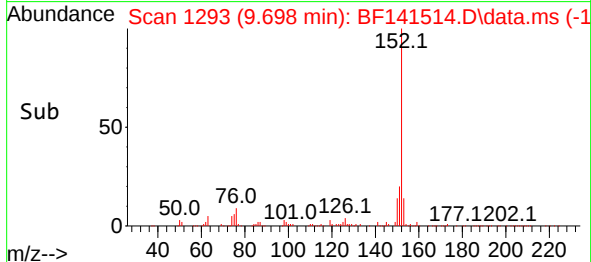
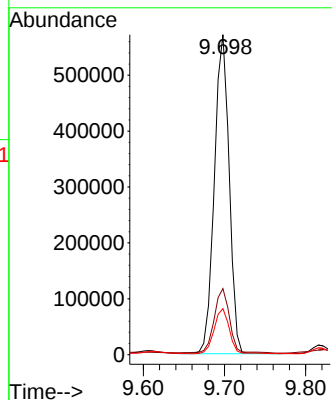
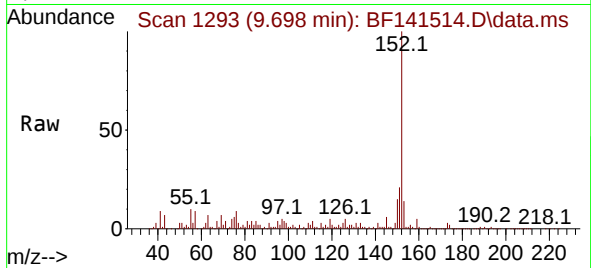




#49
Acenaphthylene
Concen: 50.132 ng
RT: 9.698 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

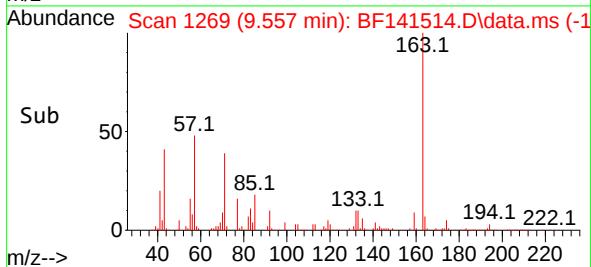
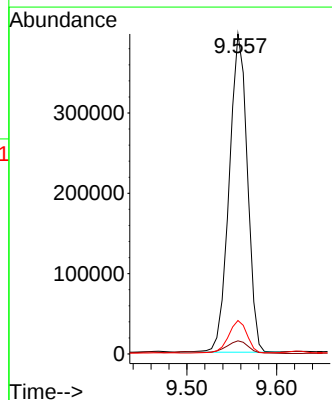
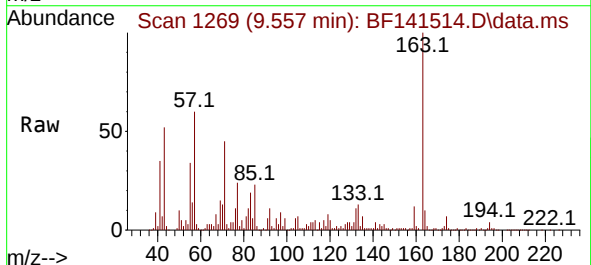
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

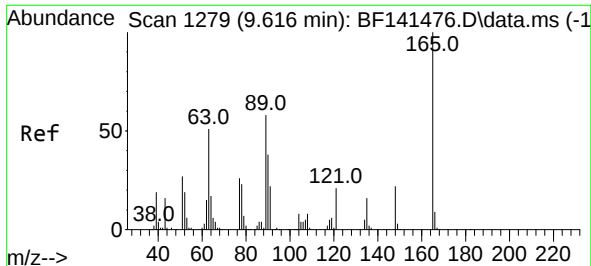
Tgt Ion:152 Resp: 722344
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 14.4 10.9 16.3



#50
Dimethylphthalate
Concen: 48.585 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:163 Resp: 557340
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.5 7.9 11.9

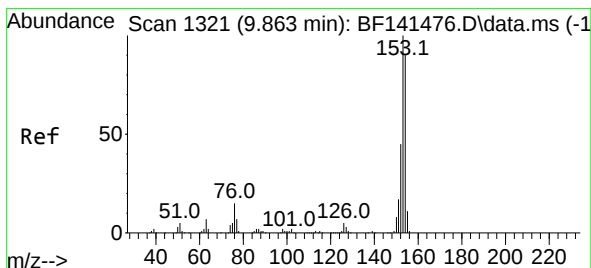
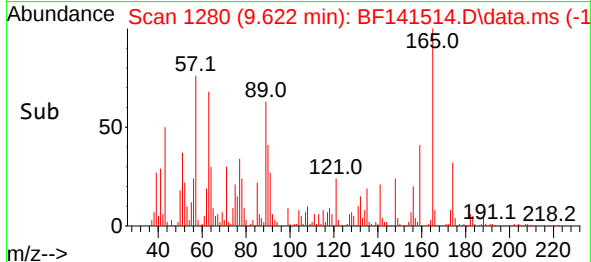
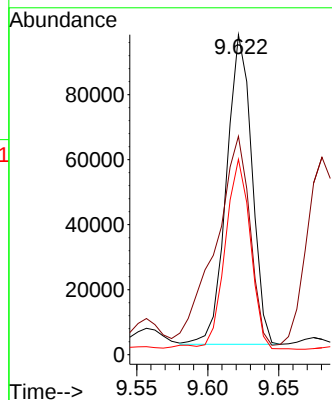
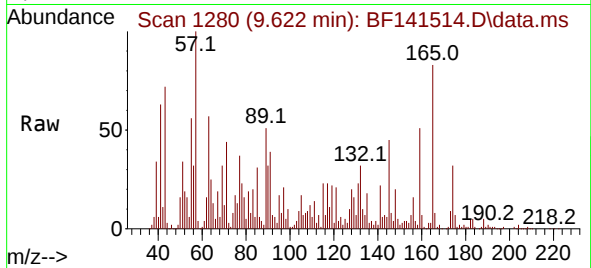




#51
2,6-Dinitrotoluene
Concen: 47.286 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

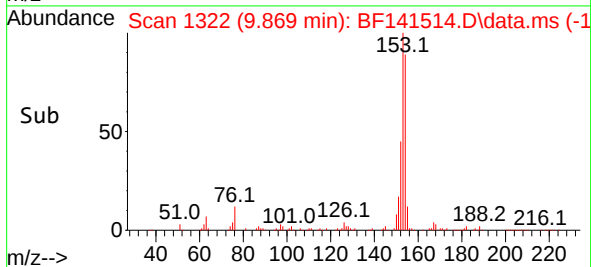
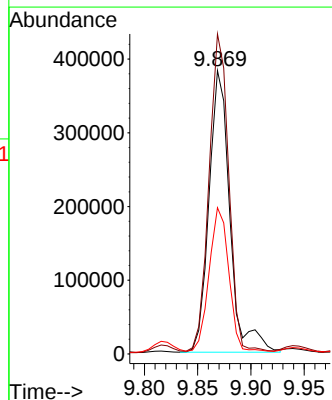
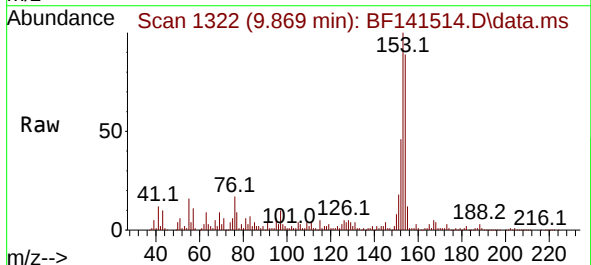
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

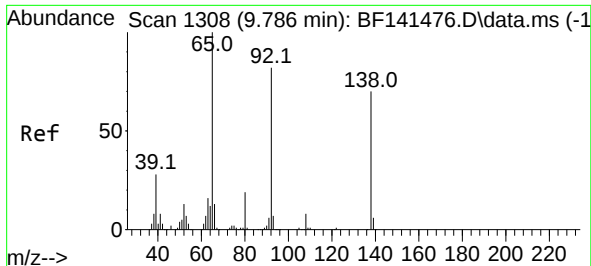
Tgt Ion:165 Resp: 118579
Ion Ratio Lower Upper
165 100
63 68.3 49.4 74.0
89 61.0 46.5 69.7



#52
Acenaphthene
Concen: 53.911 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:154 Resp: 522227
Ion Ratio Lower Upper
154 100
153 112.9 89.2 133.8
152 51.6 39.8 59.8

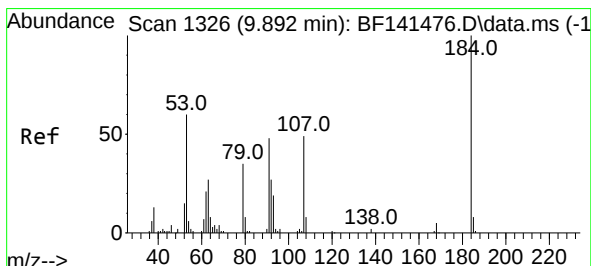
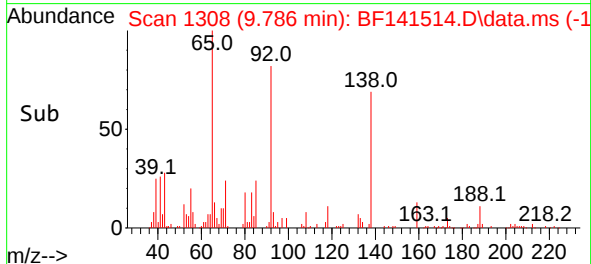
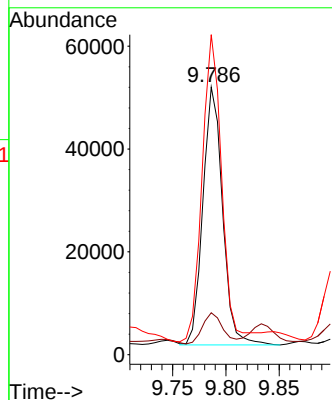
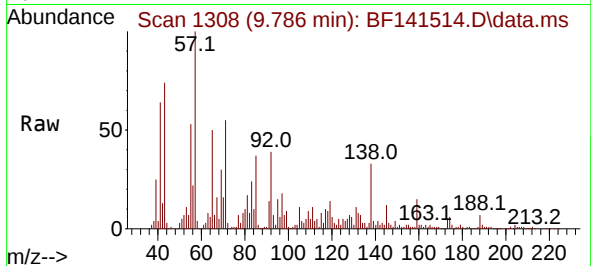




#53
3-Nitroaniline
Concen: 23.866 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

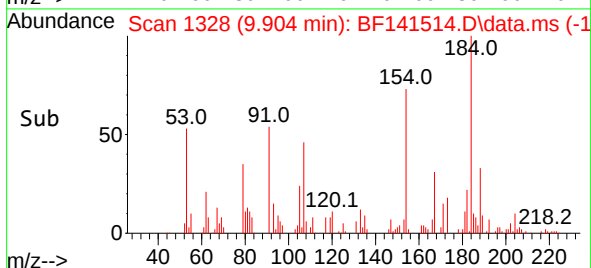
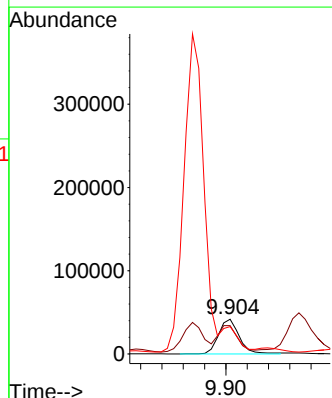
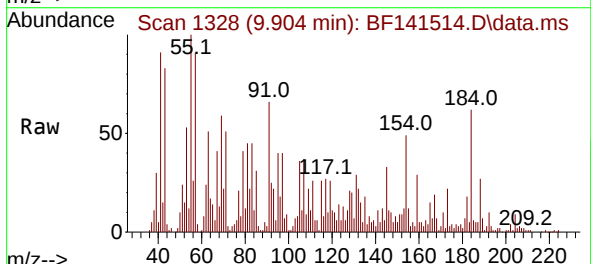
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

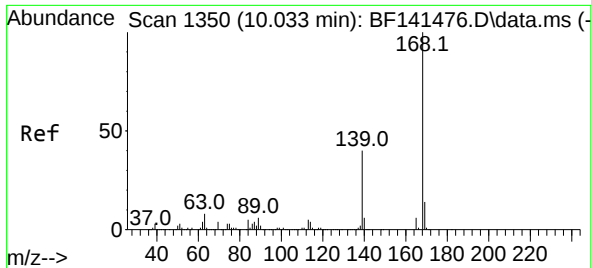
Tgt Ion:138 Resp: 64416
Ion Ratio Lower Upper
138 100
108 15.7 9.0 13.4#
92 119.6 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 37.965 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:184 Resp: 56583
Ion Ratio Lower Upper
184 100
63 81.5 61.0 91.6
154 78.8 59.9 89.9

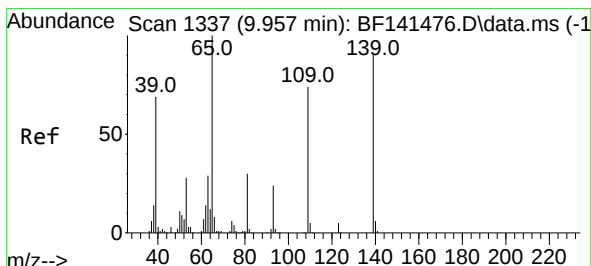
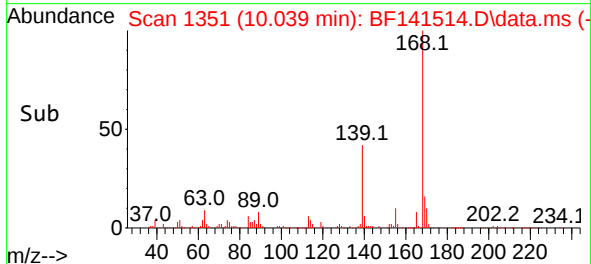
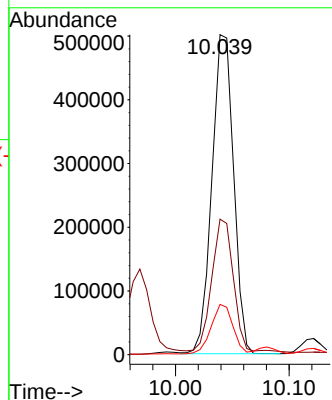
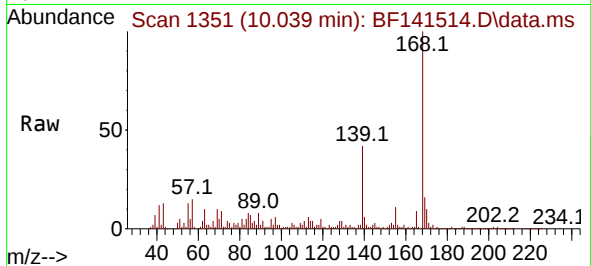




#55
Dibenzenofuran
Concen: 46.802 ng
RT: 10.039 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

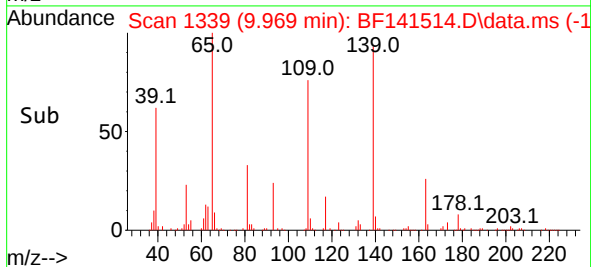
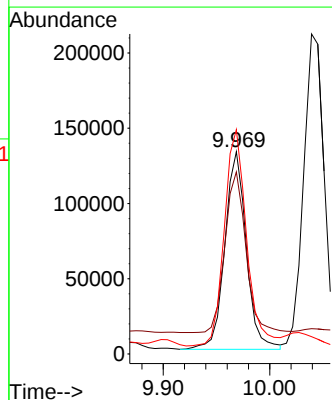
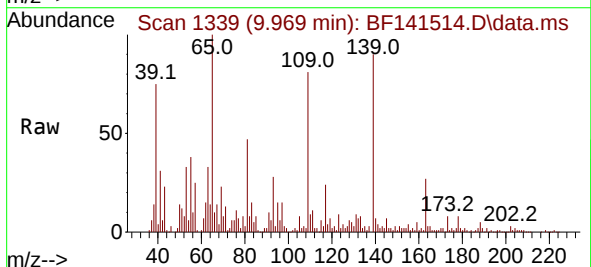
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

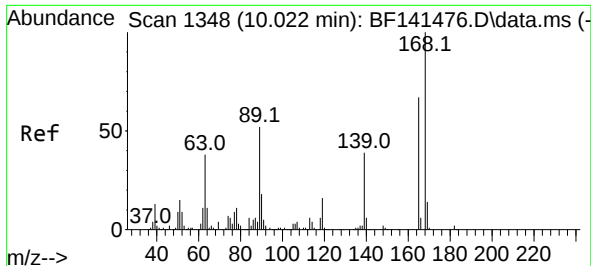
Tgt Ion:168 Resp: 665455
Ion Ratio Lower Upper
168 100
139 42.3 32.7 49.1
169 15.7 10.8 16.2



#56
4-Nitrophenol
Concen: 91.937 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

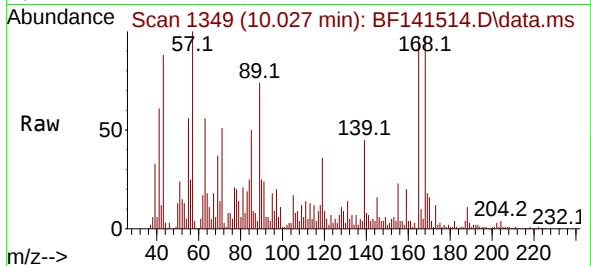
Tgt Ion:139 Resp: 184205
Ion Ratio Lower Upper
139 100
109 90.0 62.0 102.0
65 110.9 91.2 131.2



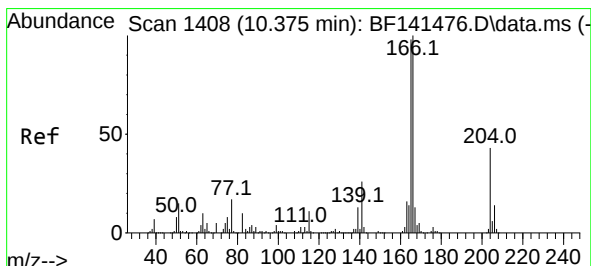
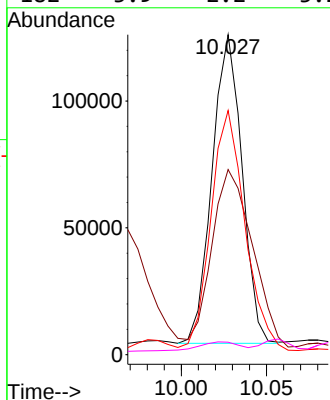
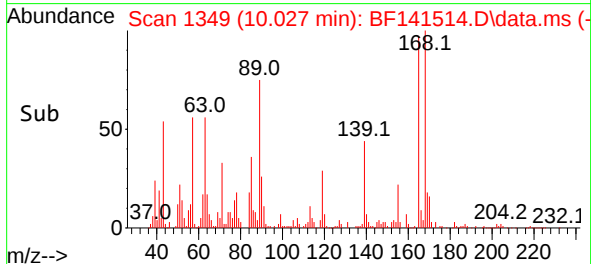


#57
2,4-Dinitrotoluene
Concen: 44.471 ng
RT: 10.027 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

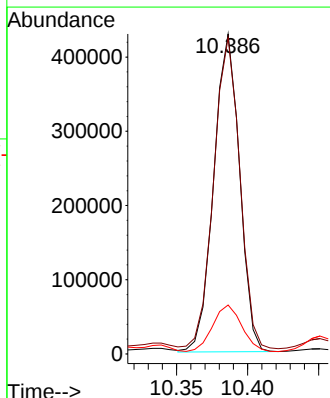
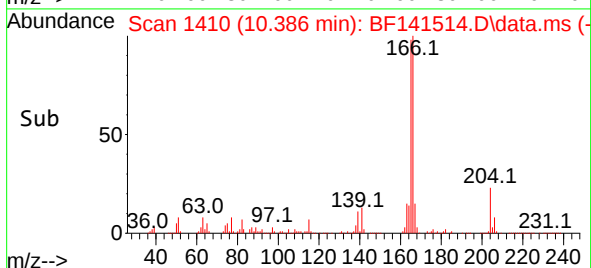
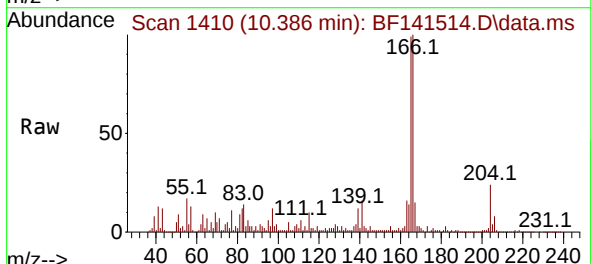


Tgt Ion:165 Resp: 148461
Ion Ratio Lower Upper
165 100
63 57.9 46.4 69.6
89 76.3 61.8 92.6
182 3.9 2.2 3.2#



#58
Fluorene
Concen: 49.188 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:166 Resp: 540760
Ion Ratio Lower Upper
166 100
165 98.9 78.2 117.2
167 15.3 10.7 16.1

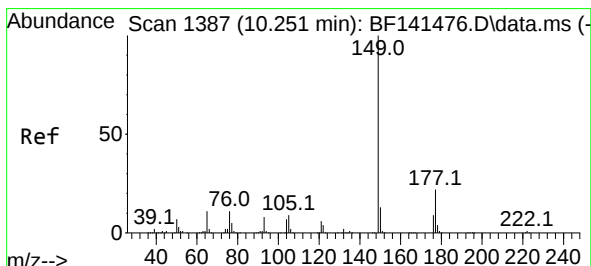
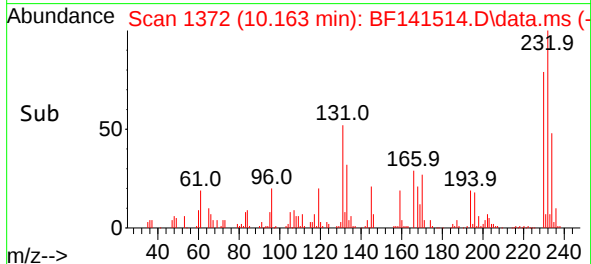
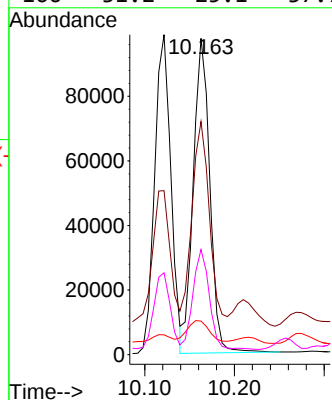
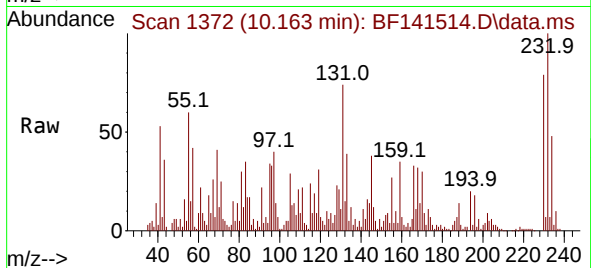




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.337 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

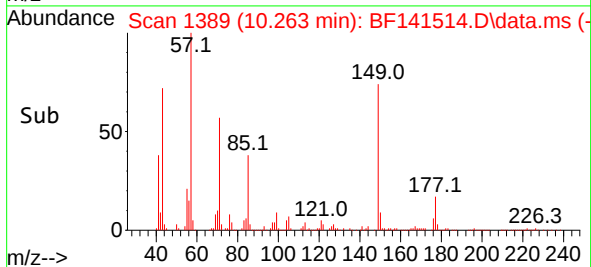
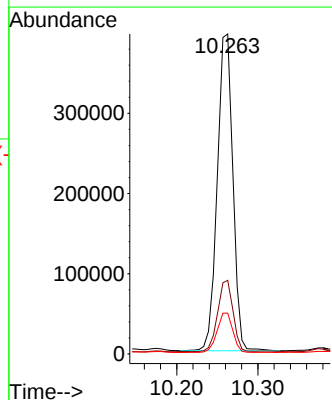
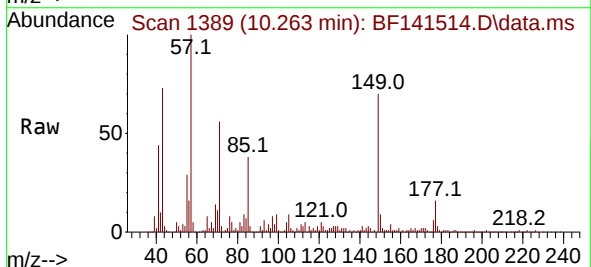
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

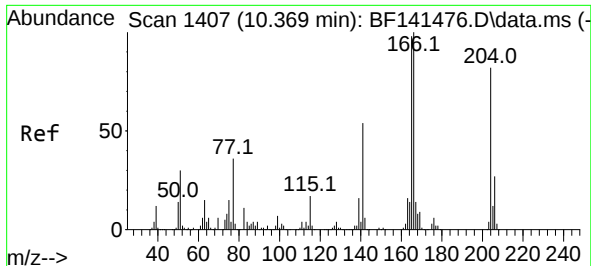
Tgt Ion:232 Resp: 124815
Ion Ratio Lower Upper
232 100
131 65.9 39.2 58.8#
130 9.2 2.1 3.1#
166 31.2 25.1 37.7



#60
Diethylphthalate
Concen: 46.825 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:149 Resp: 528492
Ion Ratio Lower Upper
149 100
177 23.0 17.8 26.6
150 12.8 10.1 15.1

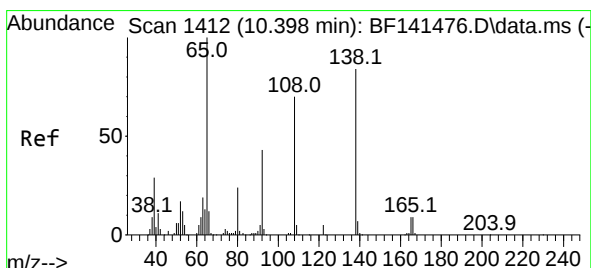
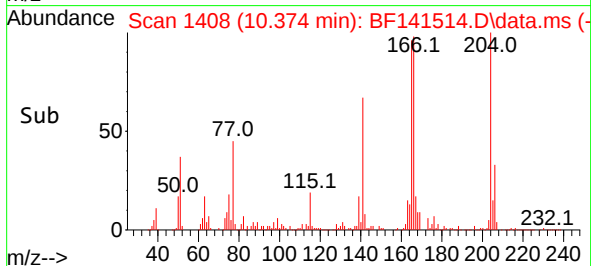
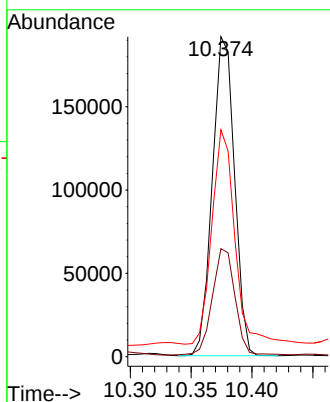
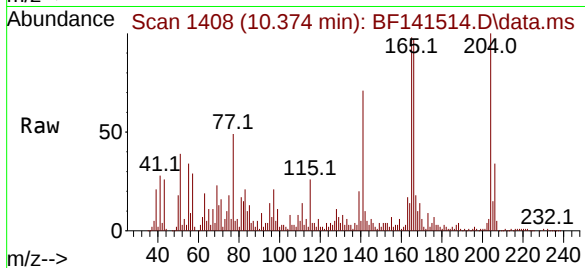




#61
4-Chlorophenyl-phenylether
Concen: 45.811 ng
RT: 10.374 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

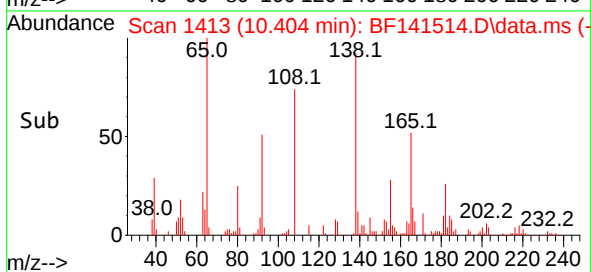
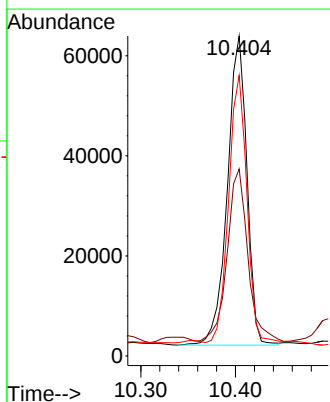
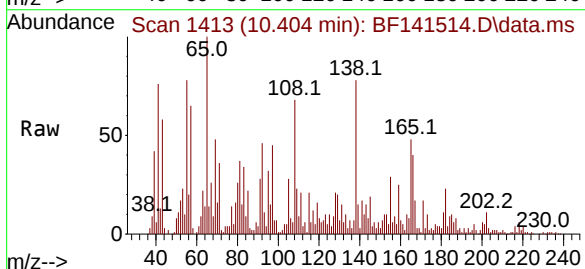
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

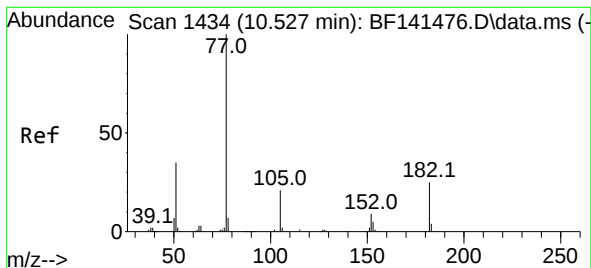
Tgt Ion:204 Resp: 242291
Ion Ratio Lower Upper
204 100
206 33.7 26.6 40.0
141 70.8 51.9 77.9



#62
4-Nitroaniline
Concen: 32.375 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:138 Resp: 88729
Ion Ratio Lower Upper
138 100
92 58.4 31.3 71.3
108 87.6 63.7 103.7





#63

Azobenzene

Concen: 51.638 ng

RT: 10.539 min Scan# 1436

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

Tgt Ion: 77 Resp: 579388

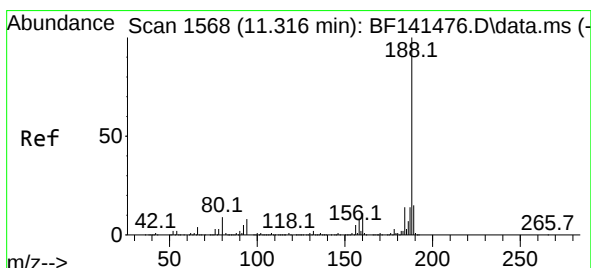
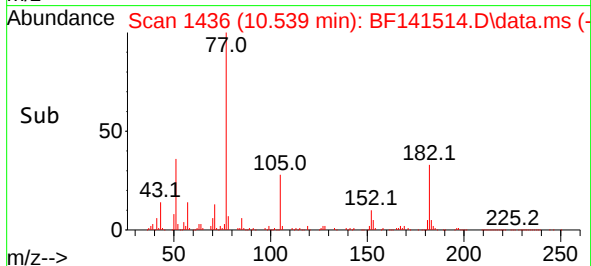
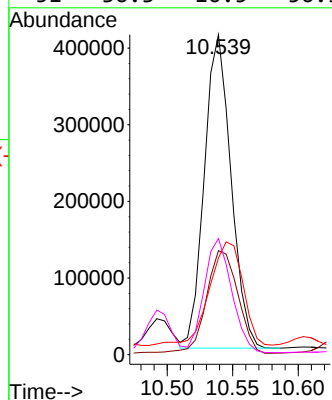
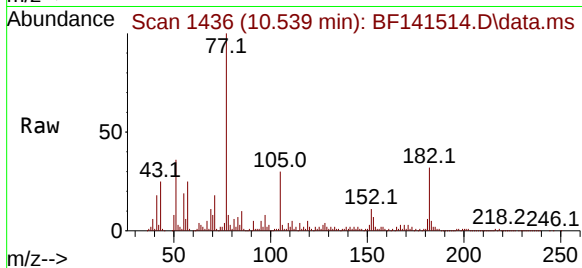
Ion Ratio Lower Upper

77 100

182 32.5 4.7 44.7

105 30.2 0.4 40.4

51 36.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1569

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

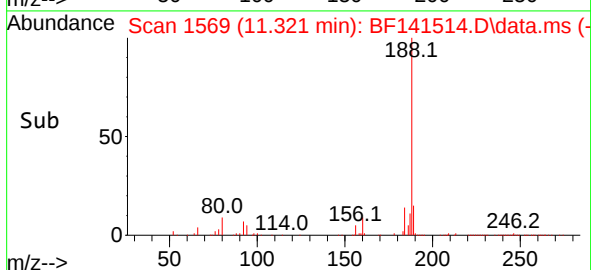
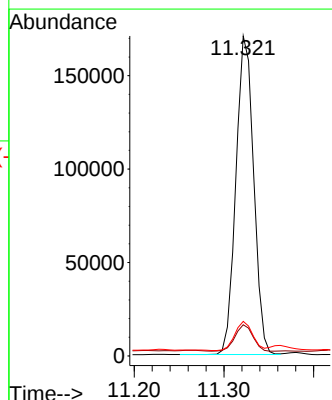
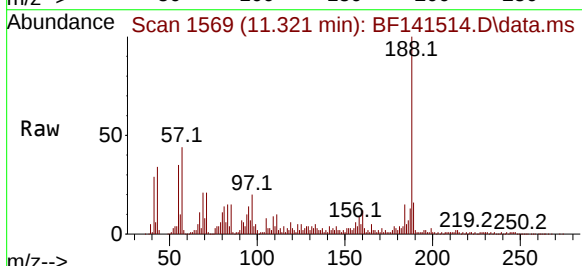
Tgt Ion: 188 Resp: 234285

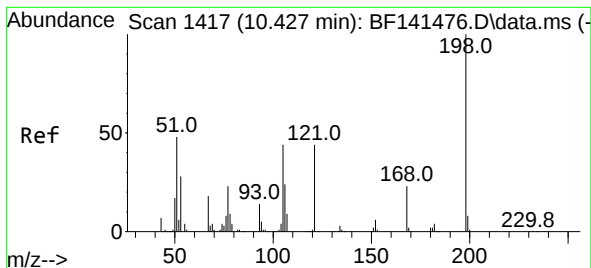
Ion Ratio Lower Upper

188 100

94 9.8 6.6 10.0

80 10.8 7.3 10.9

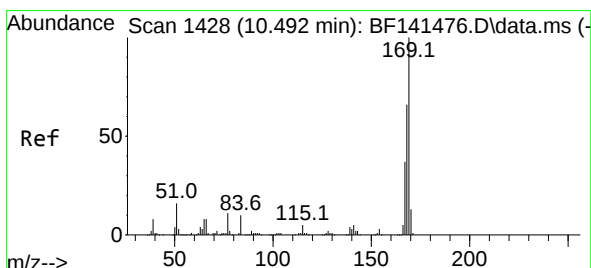
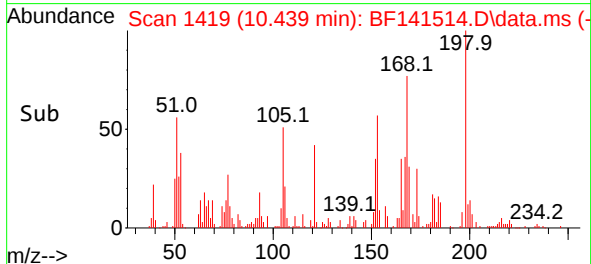
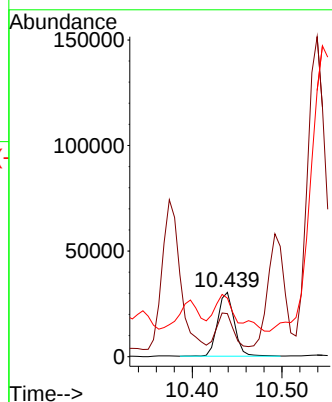
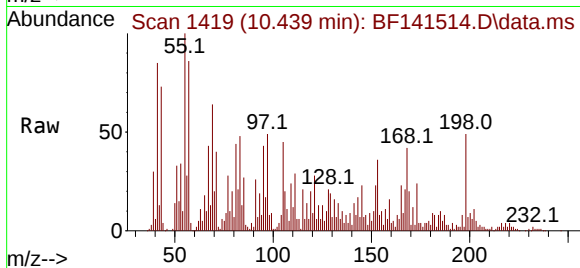




#65
4,6-Dinitro-2-methylphenol
Concen: 23.822 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

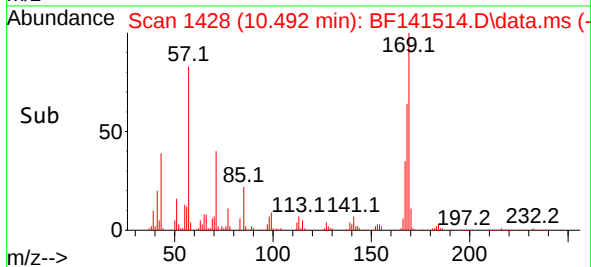
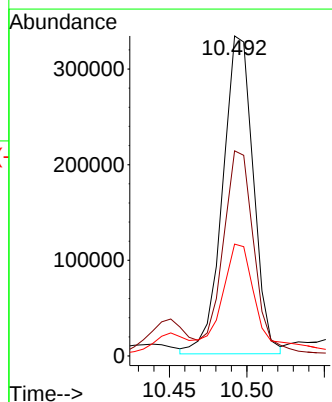
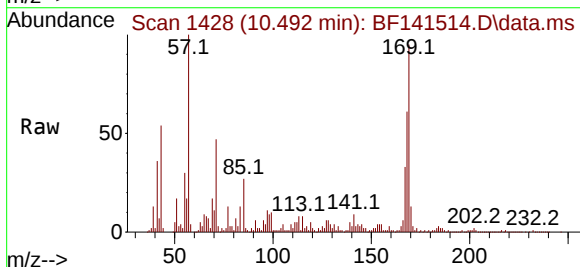
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

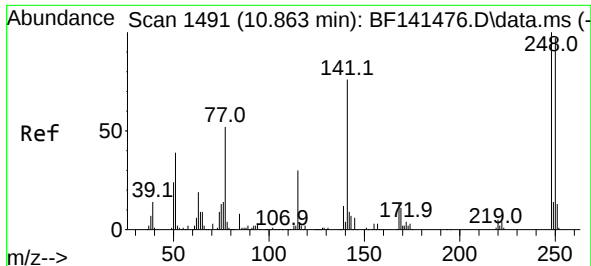
Tgt Ion:198 Resp: 38769
Ion Ratio Lower Upper
198 100
51 67.0 37.4 77.4
105 91.1 25.2 65.2#



#66
n-Nitrosodiphenylamine
Concen: 61.058 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:169 Resp: 457916
Ion Ratio Lower Upper
169 100
168 64.1 53.3 79.9
167 35.0 29.4 44.2

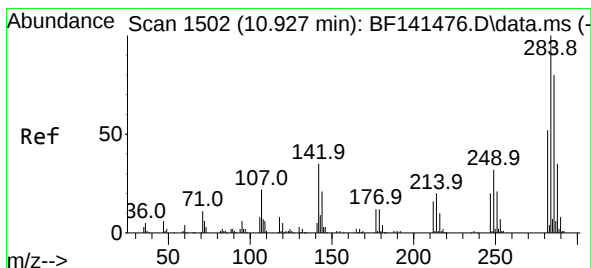
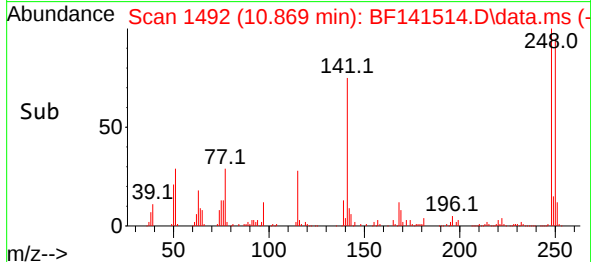
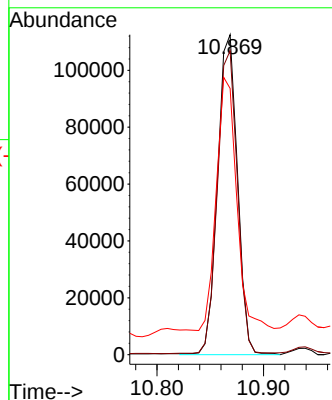
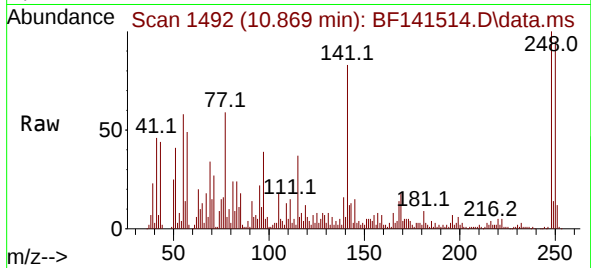




#67
4-Bromophenyl-phenylether
Concen: 55.703 ng
RT: 10.869 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

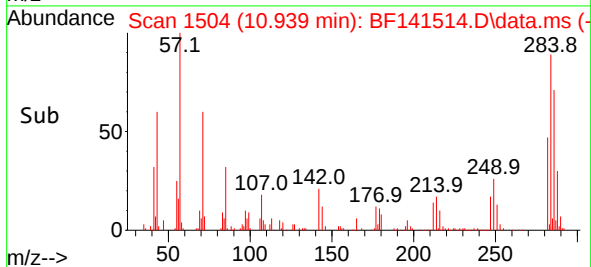
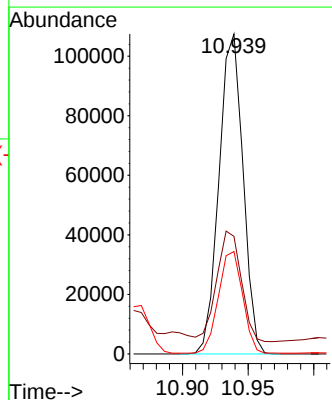
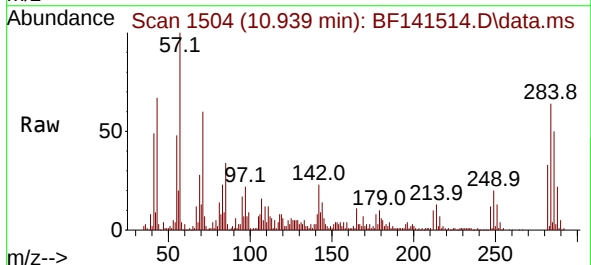
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

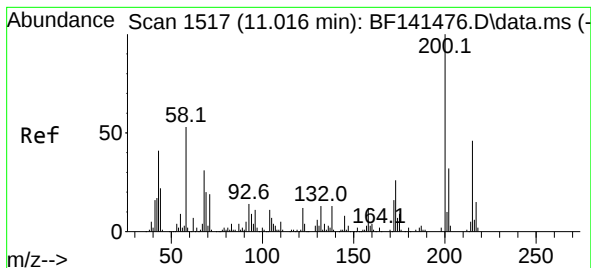
Tgt Ion:248 Resp: 145854
Ion Ratio Lower Upper
248 100
250 95.0 77.8 116.6
141 83.2 60.6 90.8



#68
Hexachlorobenzene
Concen: 50.770 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.012 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:284 Resp: 136890
Ion Ratio Lower Upper
284 100
142 36.7 28.0 42.0
249 32.0 25.8 38.8





#69

Atrazine

Concen: 74.351 ng

RT: 11.027 min Scan# 1519

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

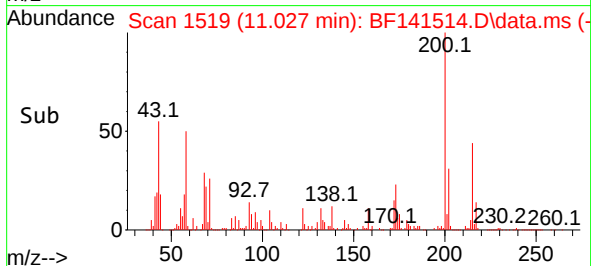
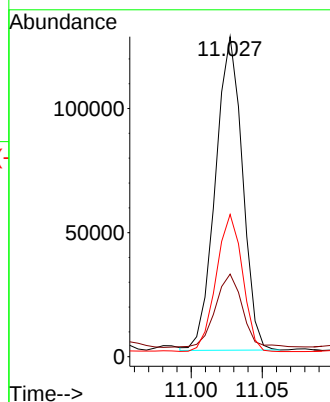
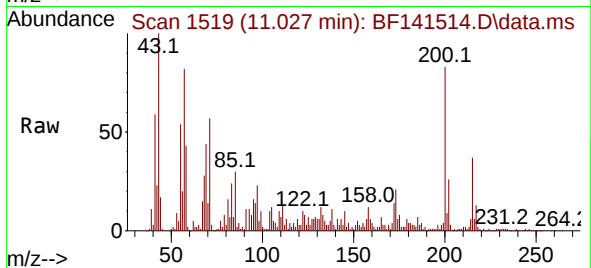
Tgt Ion:200 Resp: 167283

Ion Ratio Lower Upper

200 100

173 25.8 5.9 45.9

215 44.4 25.9 65.9



#70

Pentachlorophenol

Concen: 92.460 ng

RT: 11.133 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

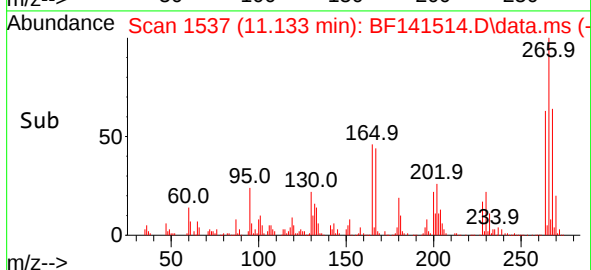
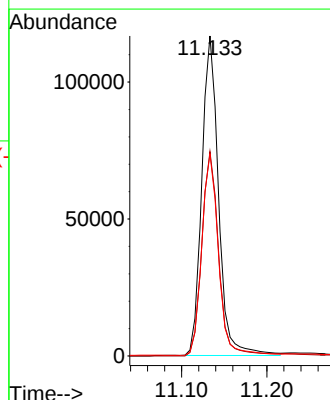
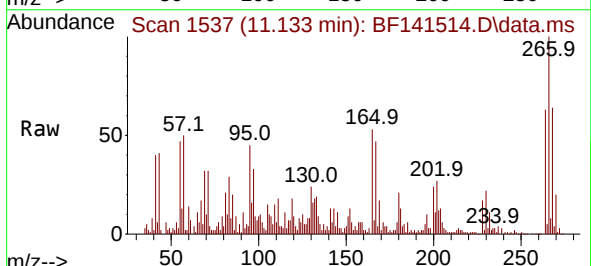
Tgt Ion:266 Resp: 159407

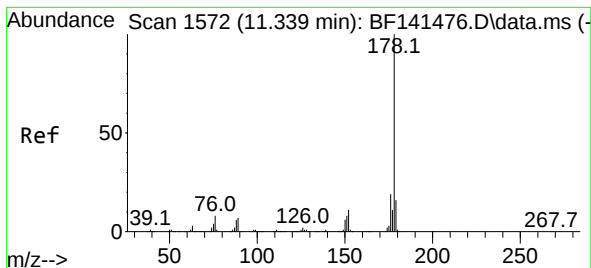
Ion Ratio Lower Upper

266 100

268 63.9 50.1 75.1

264 63.1 50.1 75.1





#71

Phenanthrene

Concen: 109.960 ng

RT: 11.351 min Scan# 1574

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

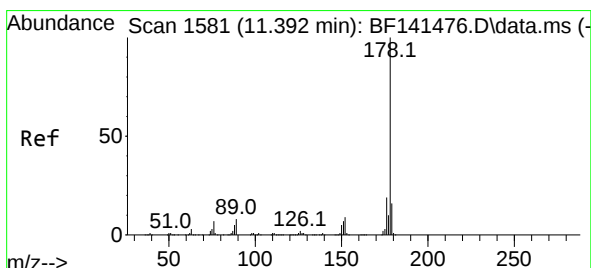
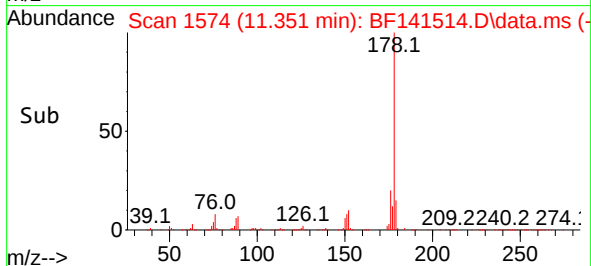
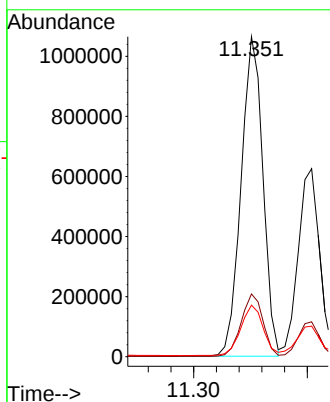
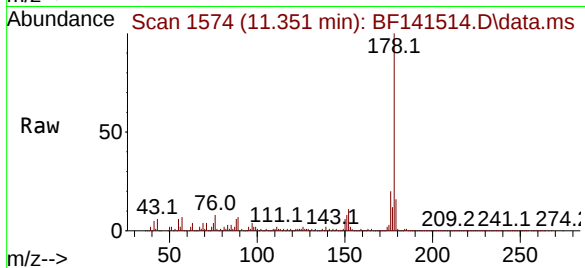
Tgt Ion:178 Resp: 1418081

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 16.1 12.4 18.6



#72

Anthracene

Concen: 62.250 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

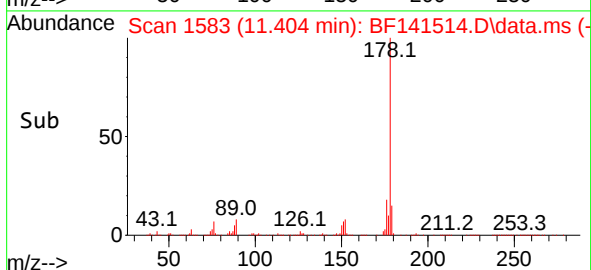
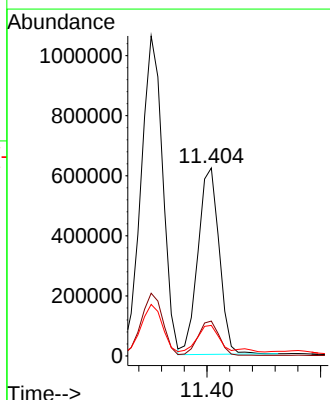
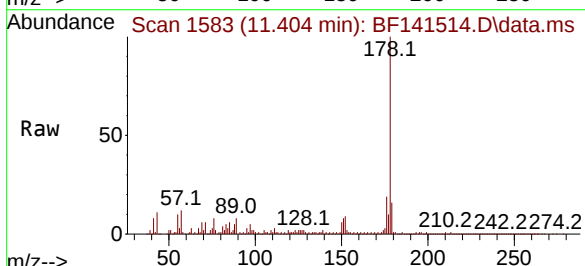
Tgt Ion:178 Resp: 807005

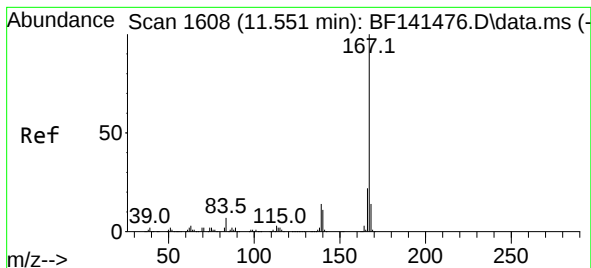
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 16.3 12.4 18.6





#73

Carbazole

Concen: 51.244 ng

RT: 11.557 min Scan# 1609

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

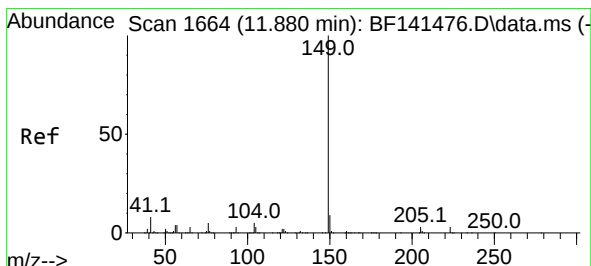
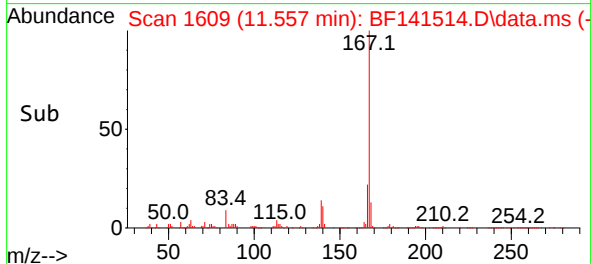
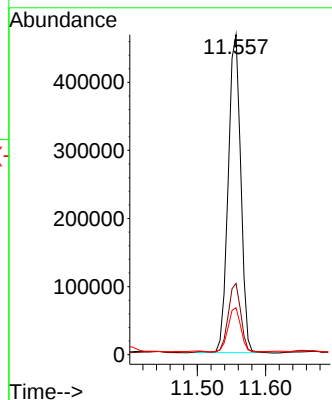
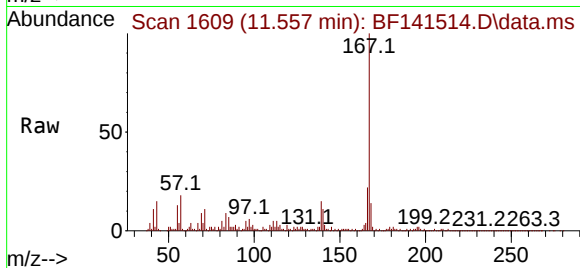
Tgt Ion:167 Resp: 597749

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

139 14.7 10.9 16.3



#74

Di-n-butylphthalate

Concen: 55.940 ng

RT: 11.886 min Scan# 1665

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

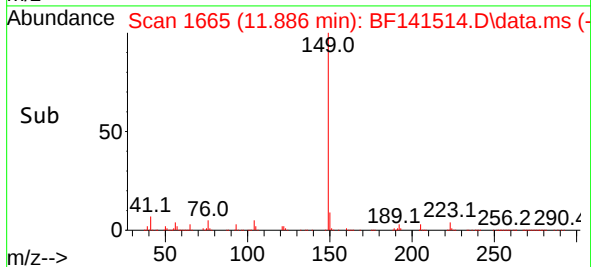
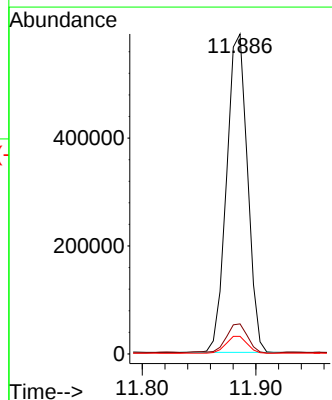
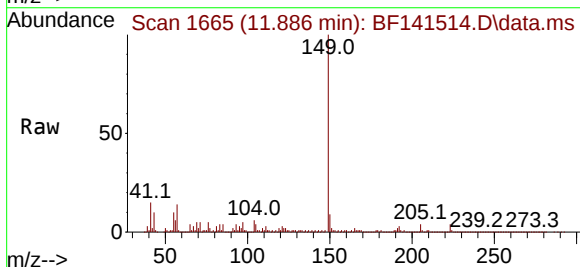
Tgt Ion:149 Resp: 753453

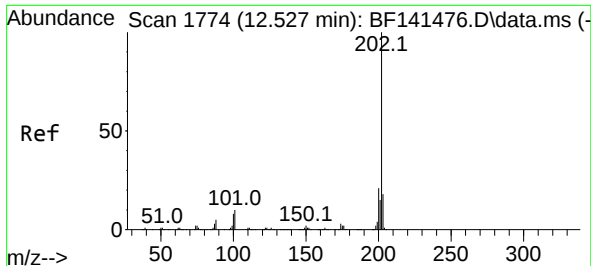
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.5 4.2 6.2

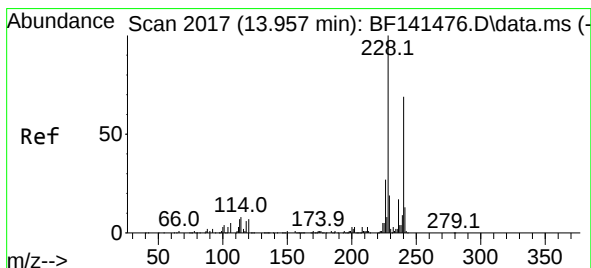
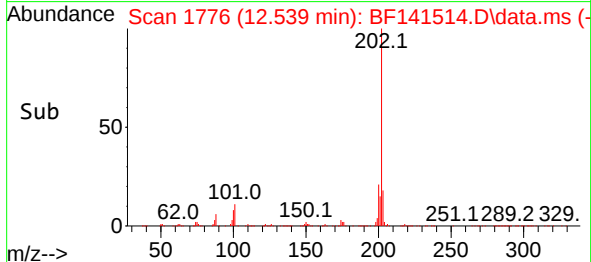
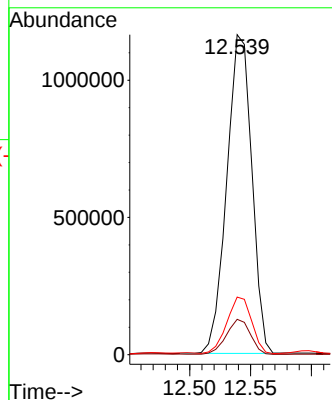
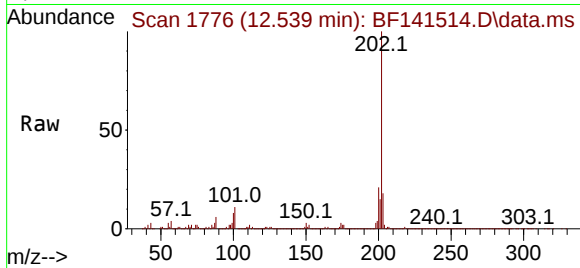




#75
Fluoranthene
Concen: 121.321 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

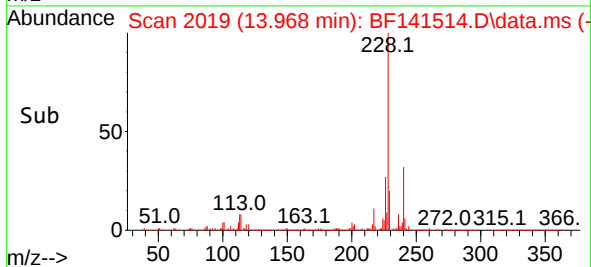
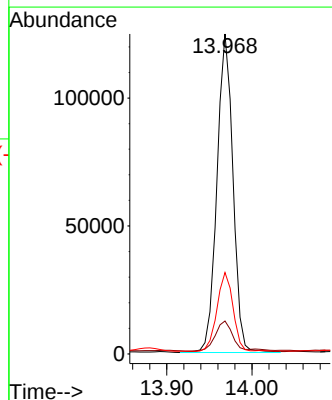
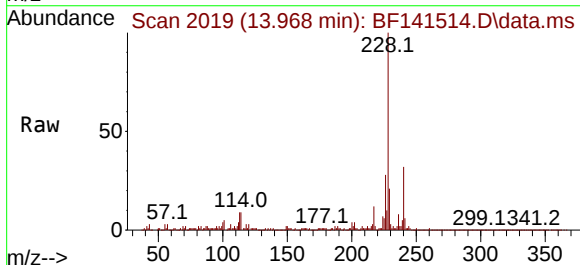
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

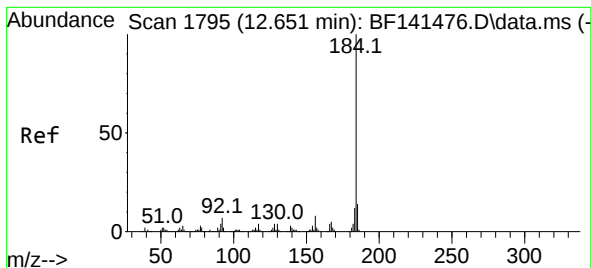
Tgt Ion:202 Resp: 1658782
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.2
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:240 Resp: 162544
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.5 19.8 29.8





#77

Benzidine

Concen: 54.683 ng

RT: 12.657 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

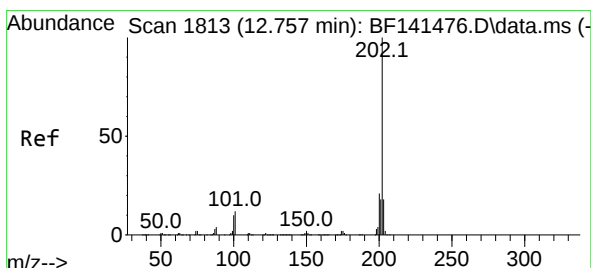
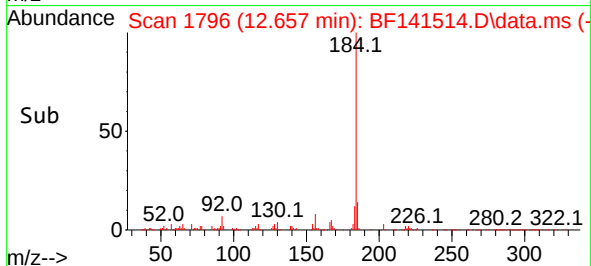
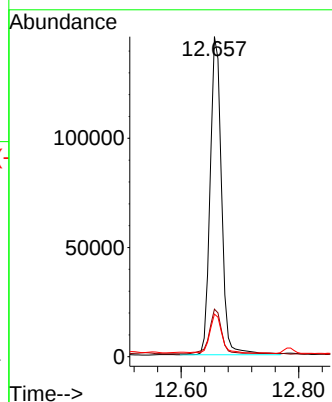
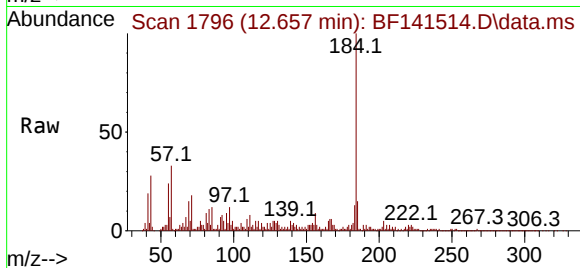
Tgt Ion:184 Resp: 196026

Ion Ratio Lower Upper

184 100

185 14.9 11.3 16.9

183 13.3 9.3 13.9



#78

Pyrene

Concen: 112.027 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

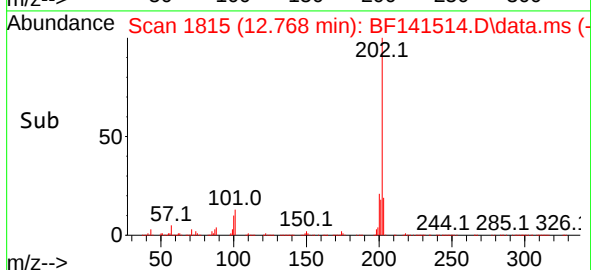
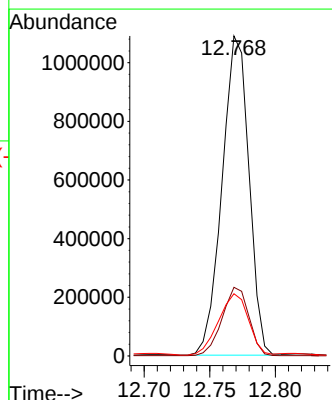
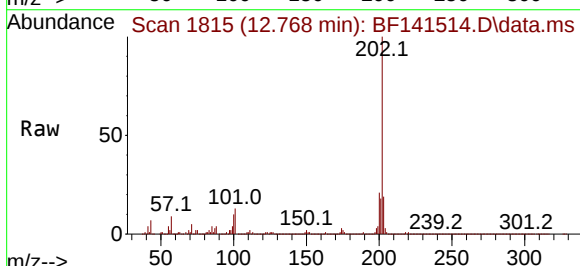
Tgt Ion:202 Resp: 1550106

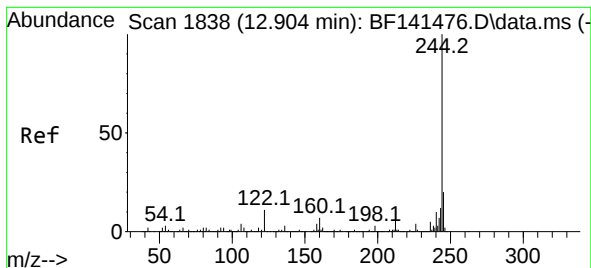
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 19.4 14.3 21.5





#79

Terphenyl-d14

Concen: 77.785 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

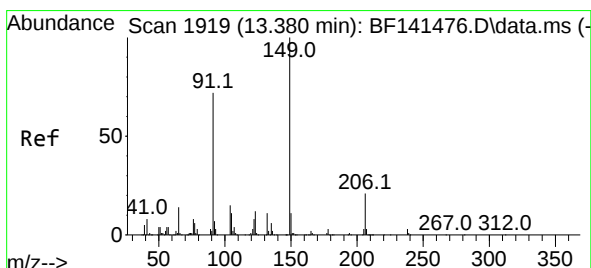
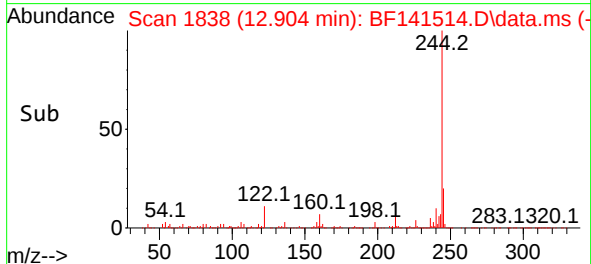
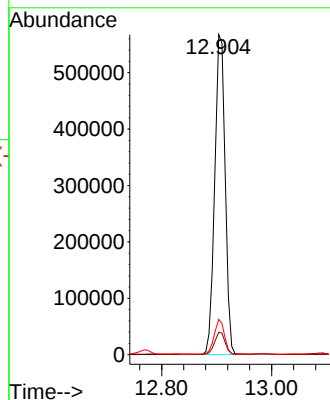
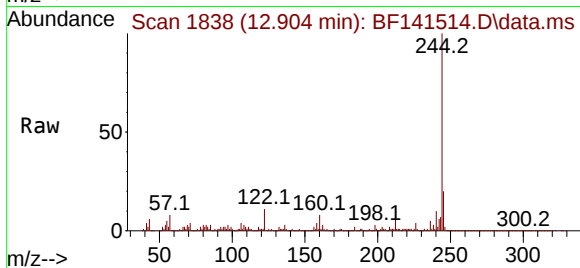
Tgt Ion:244 Resp: 748949

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.0 8.4 12.6



#80

Butylbenzylphthalate

Concen: 56.894 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.000 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

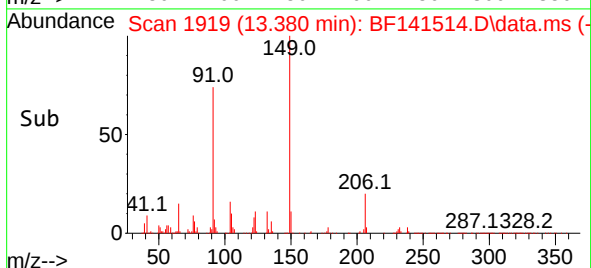
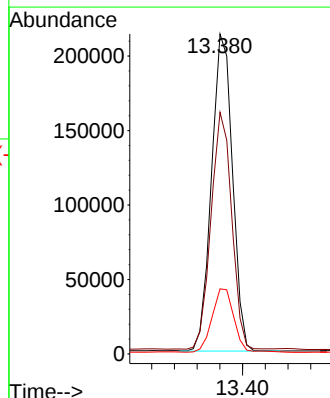
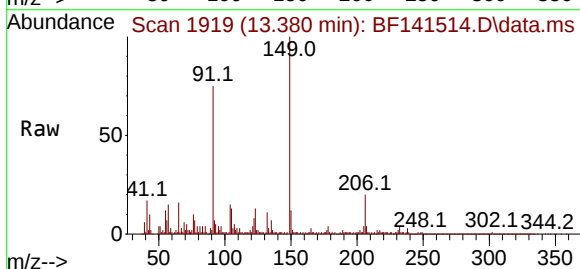
Tgt Ion:149 Resp: 272678

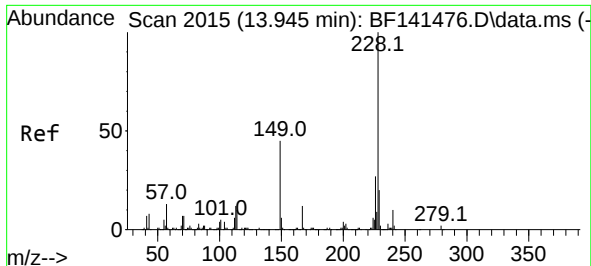
Ion Ratio Lower Upper

149 100

91 75.5 57.8 86.8

206 20.3 16.7 25.1

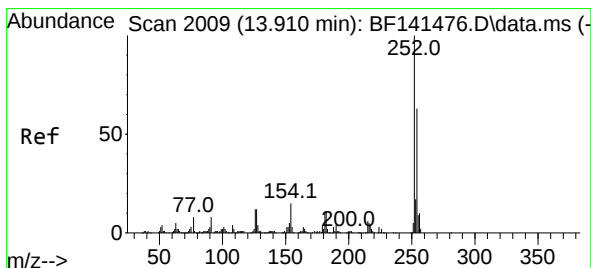
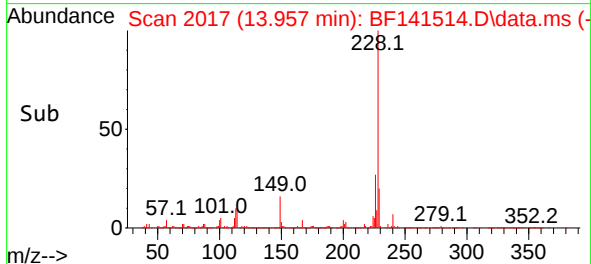
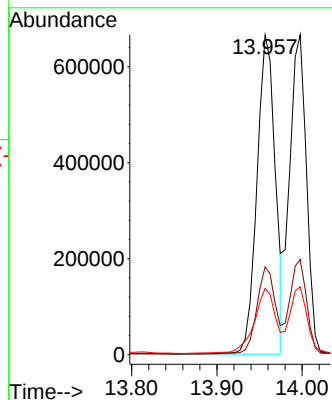
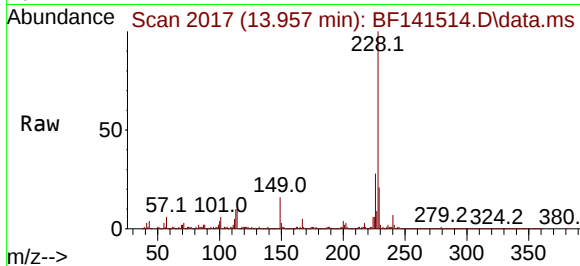




#81
Benzo(a)anthracene
Concen: 91.739 ng
RT: 13.957 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

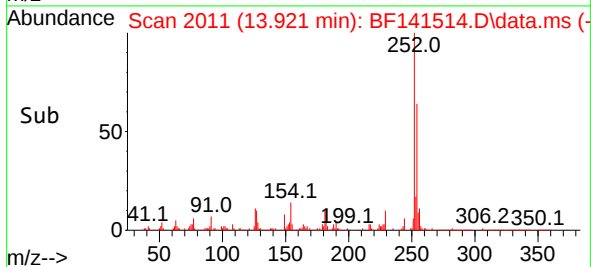
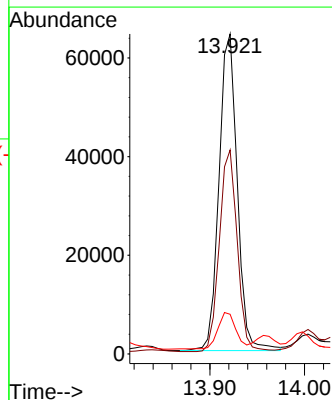
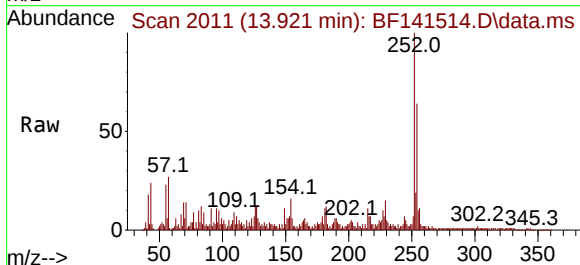
Instrument :
BNA_F
ClientSampleId :
HR-01-020425MSD

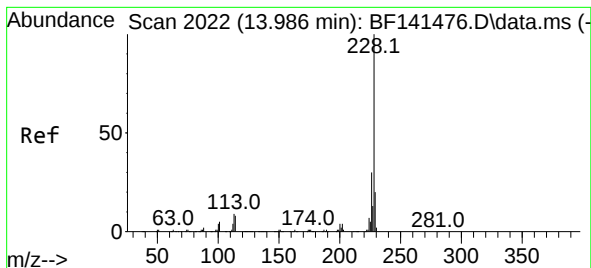
Tgt Ion:228 Resp: 991223
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 20.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 27.831 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BF141514.D
Acq: 07 Feb 2025 18:09

Tgt Ion:252 Resp: 86140
Ion Ratio Lower Upper
252 100
254 63.8 50.6 76.0
126 12.4 9.3 13.9





#83

Chrysene

Concen: 91.471 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

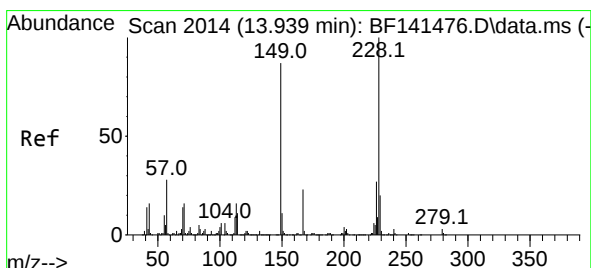
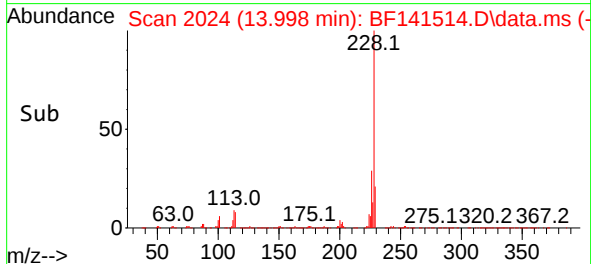
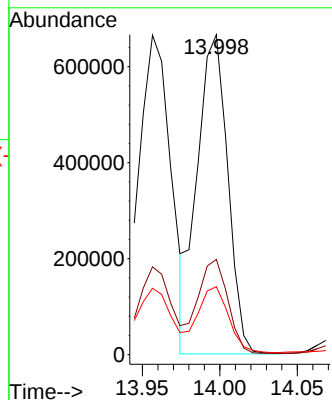
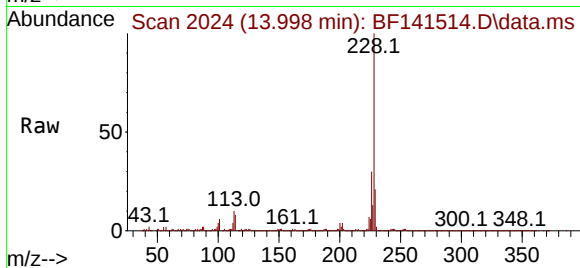
Tgt Ion:228 Resp: 912578

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 21.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 70.149 ng

RT: 13.945 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

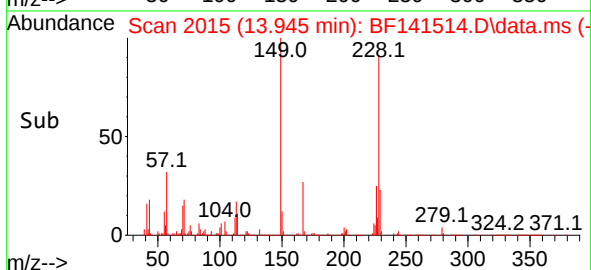
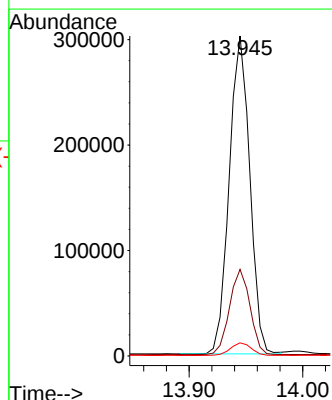
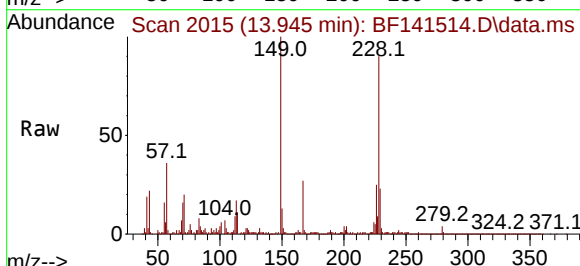
Tgt Ion:149 Resp: 379184

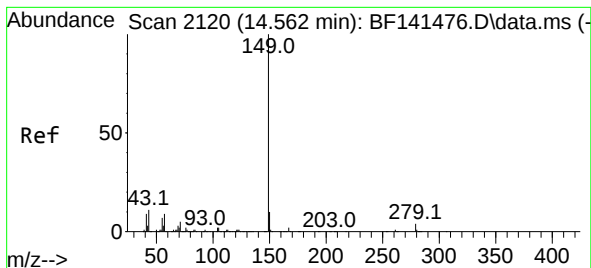
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 78.195 ng

RT: 14.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

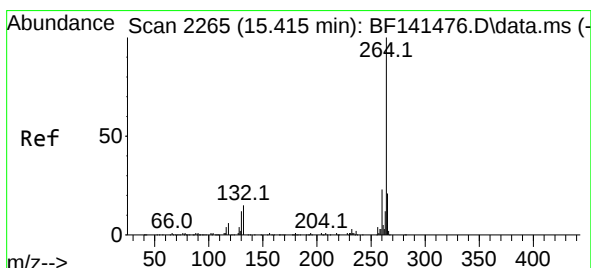
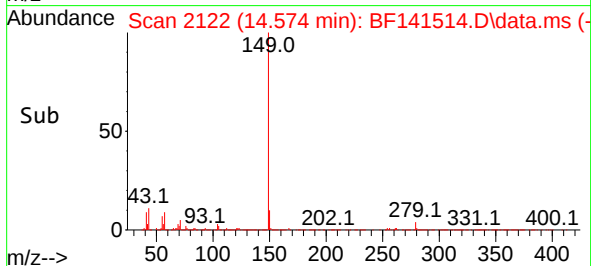
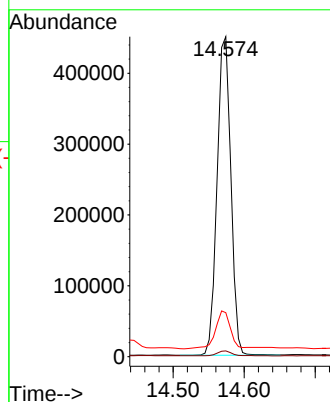
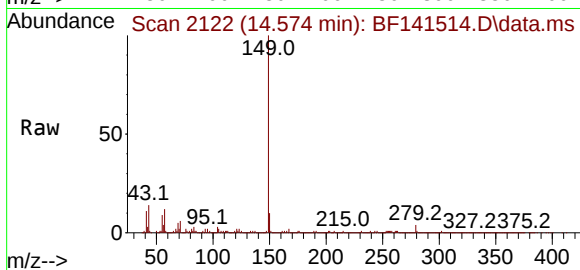
Tgt Ion:149 Resp: 602982

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.8 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. 0.018 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

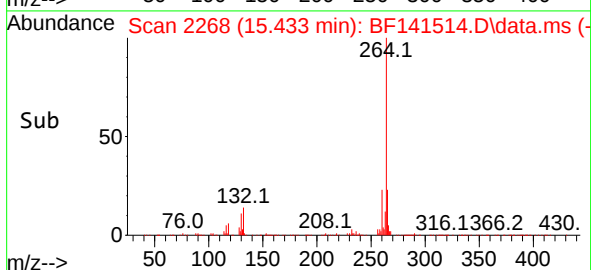
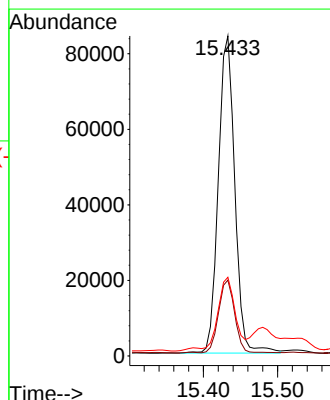
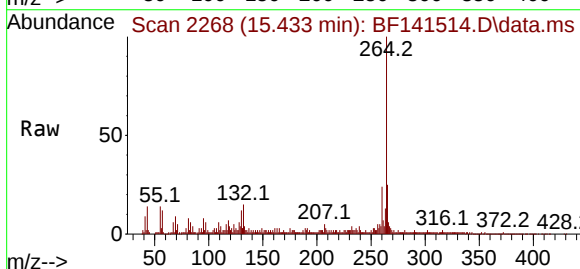
Tgt Ion:264 Resp: 129967

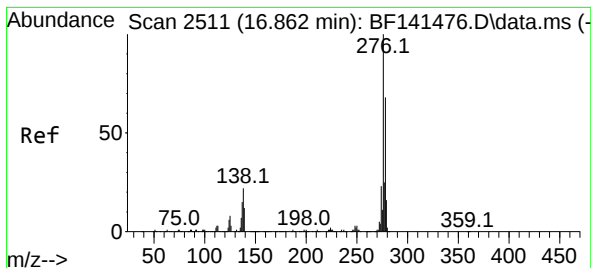
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 24.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.766 ng

RT: 16.886 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

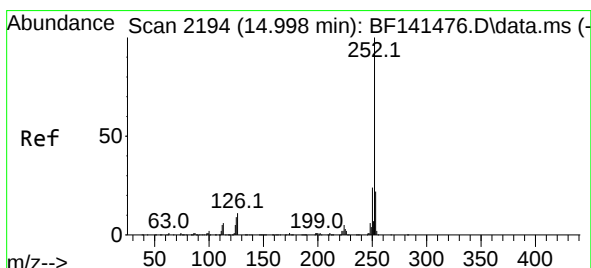
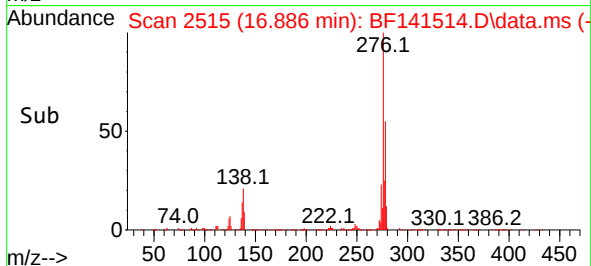
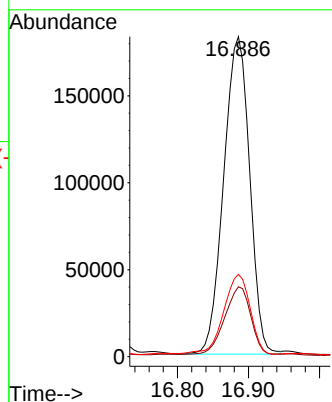
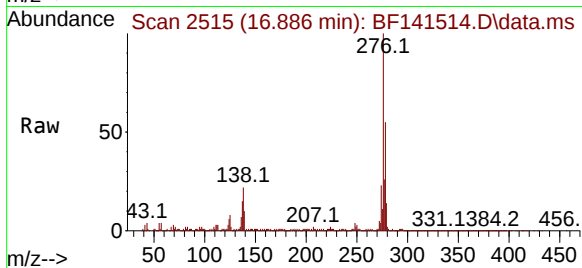
Tgt Ion:276 Resp: 463894

Ion Ratio Lower Upper

276 100

138 21.8 18.0 27.0

277 26.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 100.855 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

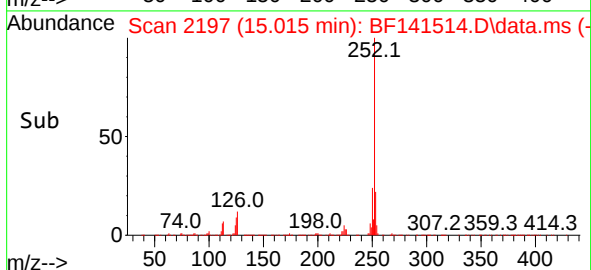
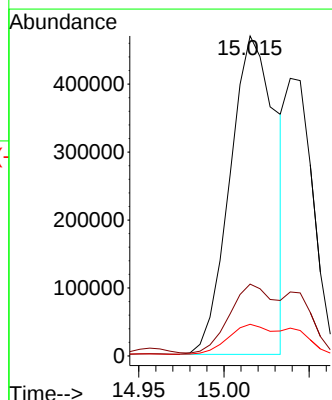
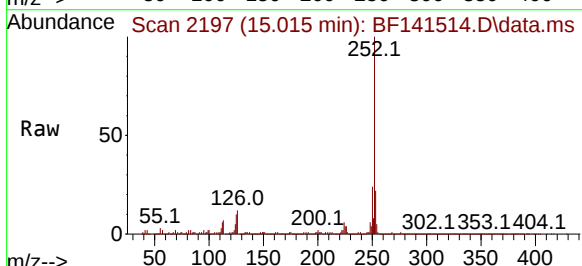
Tgt Ion:252 Resp: 880125

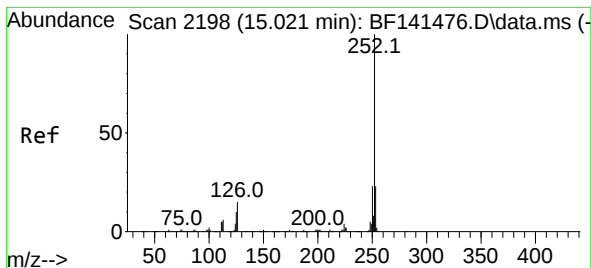
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 9.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 118.109 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

Instrument :

BNA_F

ClientSampleId :

HR-01-020425MSD

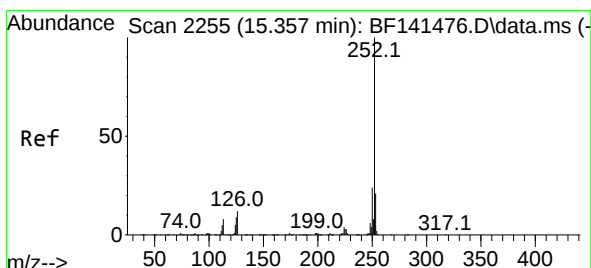
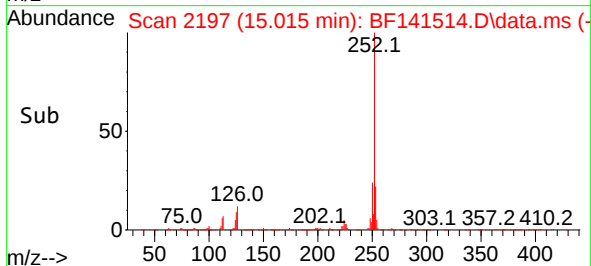
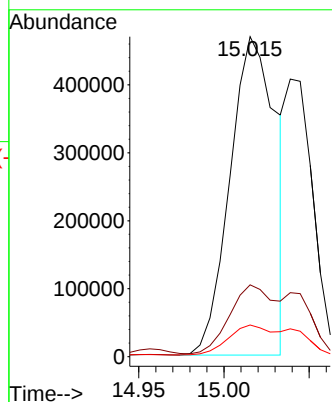
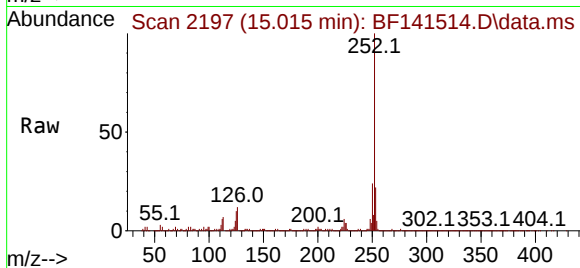
Tgt Ion:252 Resp: 880125

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 9.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 86.916 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141514.D

Acq: 07 Feb 2025 18:09

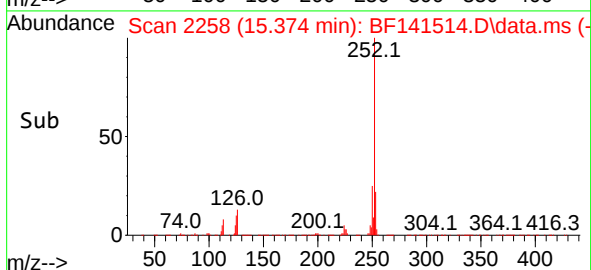
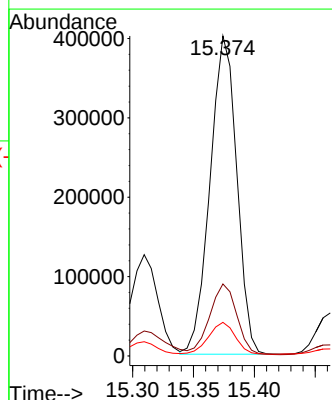
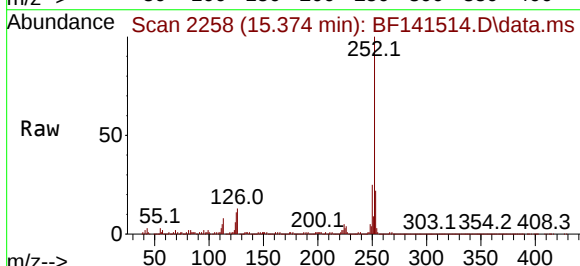
Tgt Ion:252 Resp: 613744

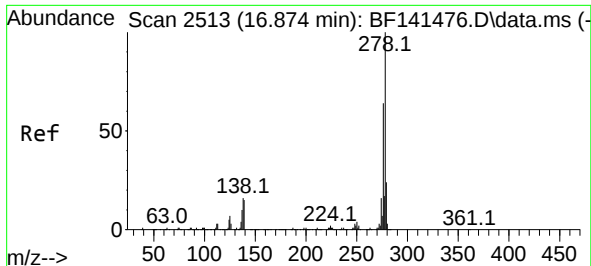
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 10.5 7.4 11.2

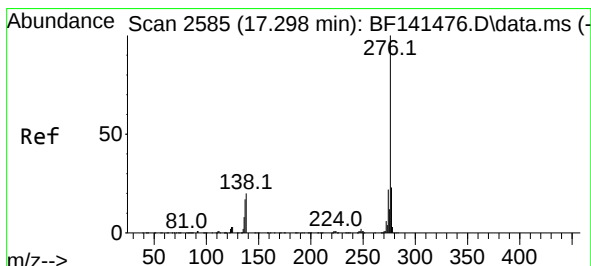
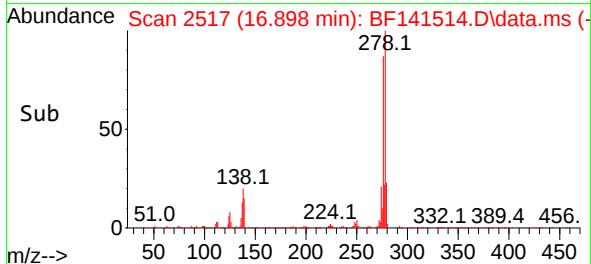
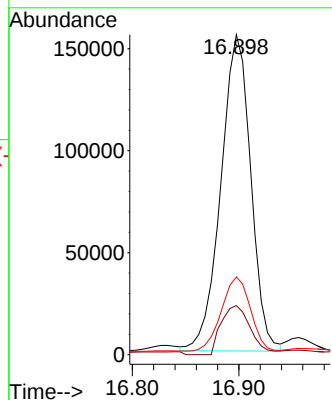
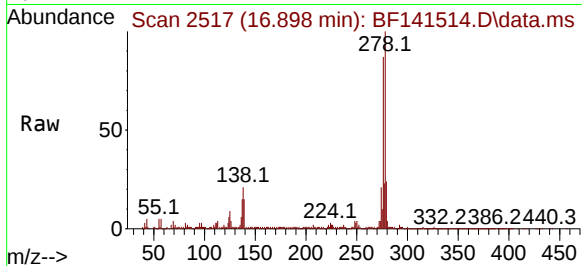




#91
 Dibenzo(a,h)anthracene
 Concen: 46.559 ng
 RT: 16.898 min Scan# 2517
 Delta R.T. 0.006 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-020425MSD

Tgt Ion:278 Resp: 302961
 Ion Ratio Lower Upper
 278 100
 139 15.3 11.8 17.6
 279 24.3 19.1 28.7



#92
 Benzo(g,h,i)perylene
 Concen: 54.079 ng
 RT: 17.321 min Scan# 2589
 Delta R.T. 0.006 min
 Lab File: BF141514.D
 Acq: 07 Feb 2025 18:09

Tgt Ion:276 Resp: 368244
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.6 28.0
 138 20.1 15.9 23.9

