

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141405.D
 Acq On : 04 Feb 2025 13:47
 Operator : RC/JU
 Sample : PB166360BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

Quant Time: Feb 04 14:17:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88432	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	354444	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	192238	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	331523	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	256577	20.000	ng	-0.01
86) Perylene-d12	15.421	264	210910	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	769318	133.556	ng	0.00
7) Phenol-d6	6.434	99	936922	127.858	ng	0.00
23) Nitrobenzene-d5	7.357	82	623241	92.695	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	271316	153.949	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1183823	94.785	ng	-0.01
79) Terphenyl-d14	12.904	244	1416066	85.114	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.546	88	99205	39.160	ng	99
3) Pyridine	3.275	79	223408	36.601	ng	98
4) n-Nitrosodimethylamine	3.216	42	151052	43.320	ng	90
6) Aniline	6.451	93	235017	37.888	ng	# 22
8) 2-Chlorophenol	6.581	128	264577	42.853	ng	96
9) Benzaldehyde	6.340	77	205545	48.426	ng	98
10) Phenol	6.446	94	311602	40.114	ng	# 65
11) bis(2-Chloroethyl)ether	6.528	93	239698	40.245	ng	98
12) 1,3-Dichlorobenzene	6.728	146	274342	40.300	ng	99
13) 1,4-Dichlorobenzene	6.804	146	276285	40.400	ng	99
14) 1,2-Dichlorobenzene	6.957	146	266079	41.550	ng	99
15) Benzyl Alcohol	6.934	79	230635	46.055	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	403685	38.977	ng	55
17) 2-Methylphenol	7.057	107	204968	40.848	ng	# 89
18) Hexachloroethane	7.298	117	104293	41.339	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	182475	41.908	ng	99
20) 3+4-Methylphenols	7.204	107	263250	42.728	ng	91
22) Acetophenone	7.198	105	403906	47.941	ng	# 97
24) Nitrobenzene	7.375	77	280239	40.220	ng	100
25) Isophorone	7.610	82	496476	42.717	ng	99
26) 2-Nitrophenol	7.687	139	137753	41.920	ng	94
27) 2,4-Dimethylphenol	7.734	122	209641	50.122	ng	96
28) bis(2-Chloroethoxy)met...	7.822	93	296047	39.933	ng	99
29) 2,4-Dichlorophenol	7.940	162	219155	42.800	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	235183	40.218	ng	100
31) Naphthalene	8.092	128	760572	40.619	ng	100
32) Benzoic acid	7.857	122	180009	46.816	ng	97
33) 4-Chloroaniline	8.145	127	115619	18.209	ng	98
34) Hexachlorobutadiene	8.210	225	146819	42.813	ng	99
35) Caprolactam	8.551	113	31679	18.944	ng	98
36) 4-Chloro-3-methylphenol	8.640	107	240374	43.764	ng	96
37) 2-Methylnaphthalene	8.787	142	481699	40.476	ng	99
38) 1-Methylnaphthalene	8.887	142	466741	39.925	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	256112	46.830	ng	99
41) Hexachlorocyclopentadiene	8.939	237	304265	188.383	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	157506	44.001	ng	100

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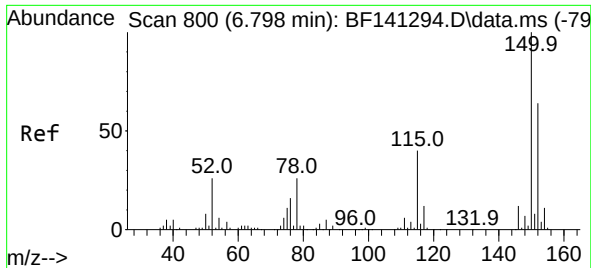
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	166270	42.677	ng	99
46) 1,1'-Biphenyl	9.251	154	697536	46.526	ng	99
47) 2-Chloronaphthalene	9.275	162	474573	40.612	ng	99
48) 2-Nitroaniline	9.375	65	160837	43.758	ng	97
49) Acenaphthylene	9.692	152	742670	45.402	ng	100
50) Dimethylphthalate	9.551	163	559047	43.058	ng	99
51) 2,6-Dinitrotoluene	9.616	165	122811	40.738	ng	98
52) Acenaphthene	9.863	154	488816	41.829	ng	100
53) 3-Nitroaniline	9.781	138	68407	23.152	ng	94
54) 2,4-Dinitrophenol	9.892	184	154202	110.036	ng	92
55) Dibenzofuran	10.034	168	670888	42.889	ng	97
56) 4-Nitrophenol	9.963	139	216899	100.375	ng	91
57) 2,4-Dinitrotoluene	10.022	165	172043	44.078	ng	94
58) Fluorene	10.381	166	529308	43.624	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	144118	47.020	ng	98
60) Diethylphthalate	10.257	149	546694	43.426	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	253263	42.731	ng	96
62) 4-Nitroaniline	10.398	138	125138	43.079	ng	90
63) Azobenzene	10.533	77	534762	42.436	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	99101	50.537	ng	98
66) n-Nitrosodiphenylamine	10.492	169	467566	43.605	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	160678	43.292	ng	98
68) Hexachlorobenzene	10.928	284	171129	43.467	ng	98
69) Atrazine	11.022	200	183809	51.270	ng	99
70) Pentachlorophenol	11.128	266	221801	96.208	ng	99
71) Phenanthrene	11.339	178	802178	45.014	ng	100
72) Anthracene	11.392	178	822918	47.129	ng	100
73) Carbazole	11.551	167	716227	46.259	ng	99
74) Di-n-butylphthalate	11.880	149	862780	45.981	ng	99
75) Fluoranthene	12.527	202	863695	49.085	ng	98
77) Benzidine	12.657	184	410980	49.964	ng	99
78) Pyrene	12.757	202	881155	35.777	ng	100
80) Butylbenzylphthalate	13.380	149	360119	41.853	ng	98
81) Benzo(a)anthracene	13.951	228	716906	40.491	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	115963	20.593	ng	99
83) Chrysene	13.986	228	689060	42.465	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	480602	44.032	ng	99
85) Di-n-octyl phthalate	14.569	149	750526	44.271	ng	99
87) Indeno(1,2,3-cd)pyrene	16.863	276	575069	42.245	ng	96
88) Benzo(b)fluoranthene	15.004	252	598008	45.076	ng	98
89) Benzo(k)fluoranthene	15.033	252	545420	46.408	ng	99
90) Benzo(a)pyrene	15.363	252	528708	47.160	ng	98
91) Dibenzo(a,h)anthracene	16.880	278	463193	42.293	ng	98
92) Benzo(g,h,i)perylene	17.298	276	436604	38.340	ng	96

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

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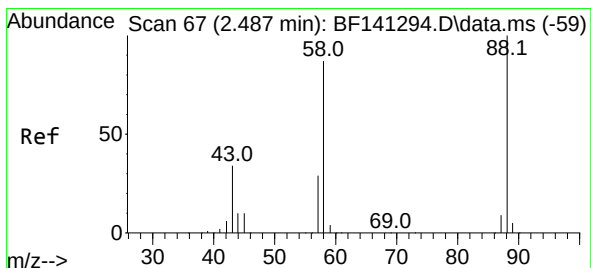
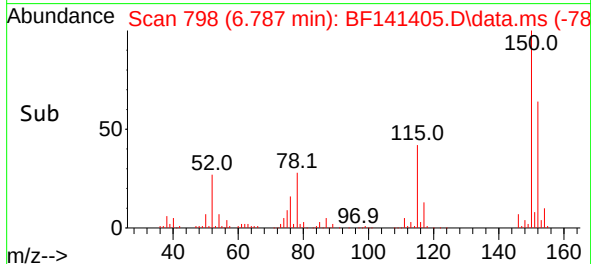
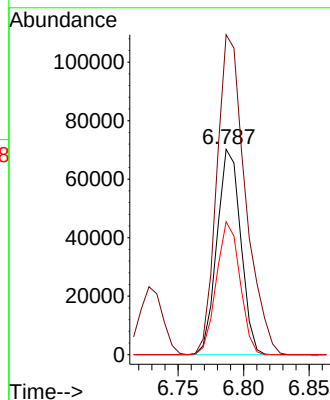
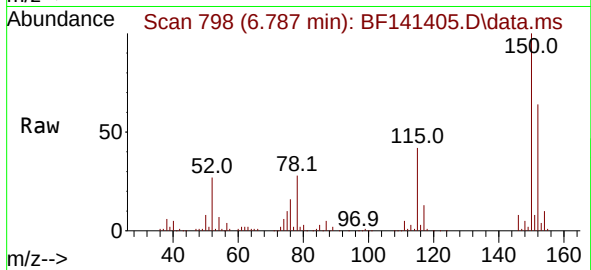




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

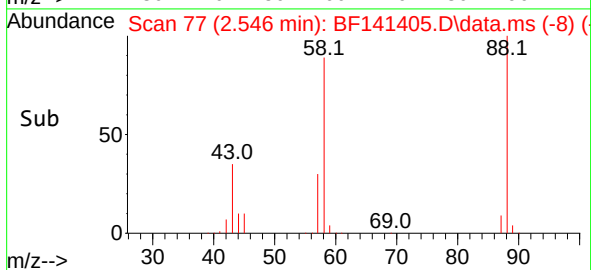
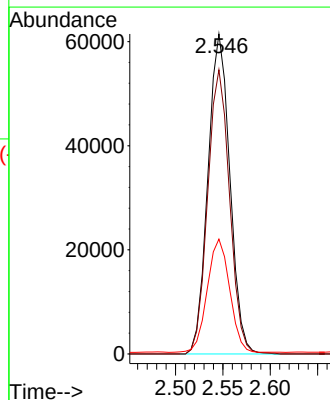
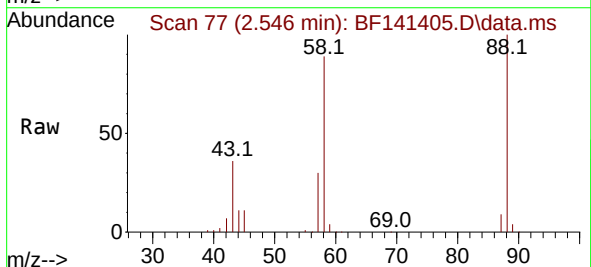
Instrument :
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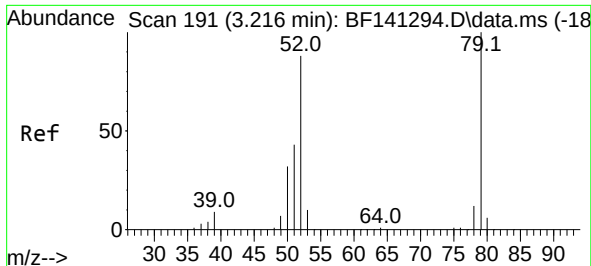
Tgt Ion:152 Resp: 88432
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.9 188.9
 115 64.7 49.7 74.5



#2
 1,4-Dioxane
 Concen: 39.160 ng
 RT: 2.546 min Scan# 77
 Delta R.T. 0.053 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

Tgt Ion: 88 Resp: 99205
 Ion Ratio Lower Upper
 88 100
 58 88.6 70.2 105.4
 43 36.0 27.6 41.4





#3

Pyridine

Concen: 36.601 ng

RT: 3.275 min Scan# 201

Delta R.T. 0.047 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

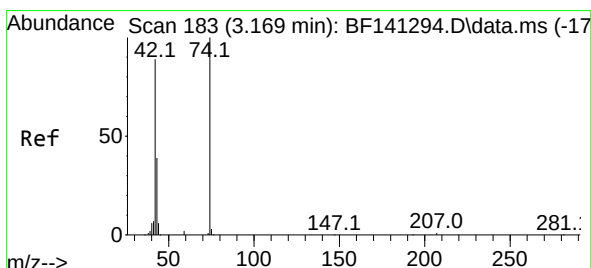
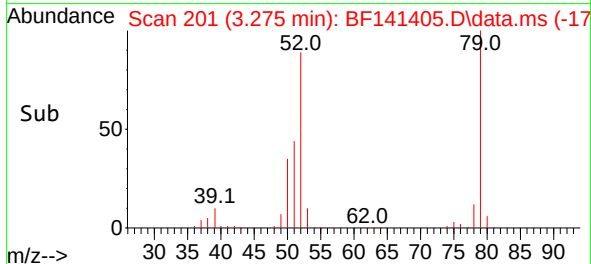
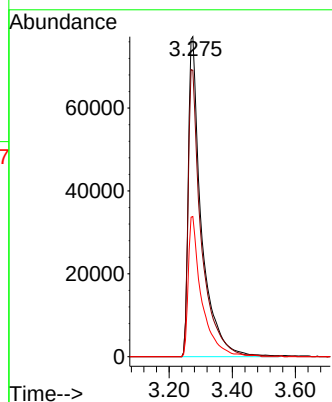
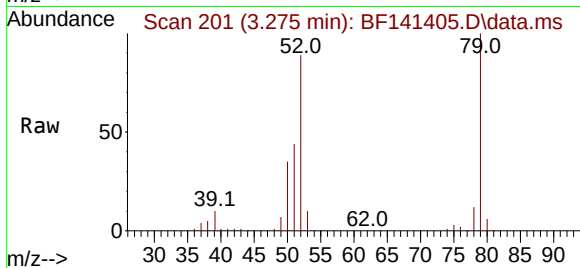
Tgt Ion: 79 Resp: 223408

Ion Ratio Lower Upper

79 100

52 89.5 70.3 105.5

51 43.8 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 43.320 ng

RT: 3.216 min Scan# 191

Delta R.T. 0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

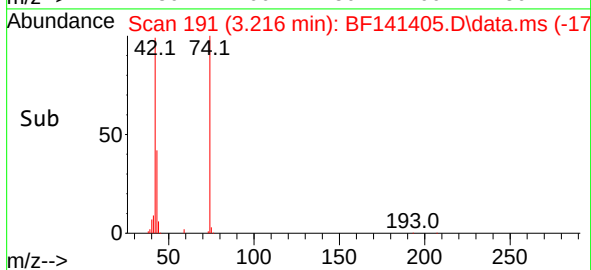
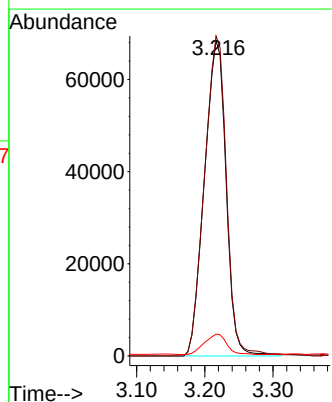
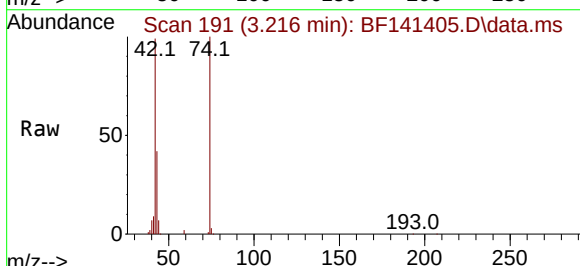
Tgt Ion: 42 Resp: 151052

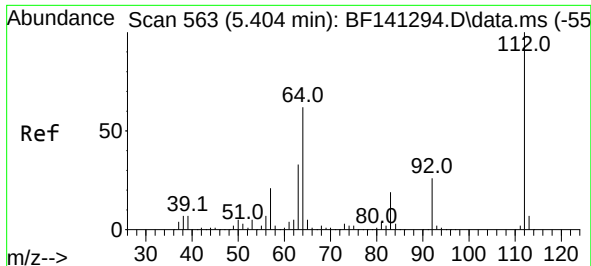
Ion Ratio Lower Upper

42 100

74 101.5 90.3 135.5

44 6.9 5.7 8.5

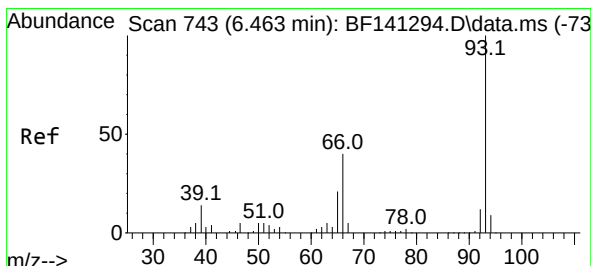
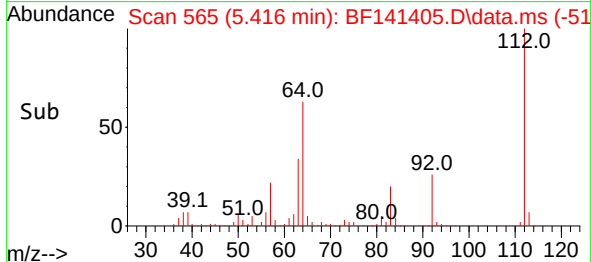
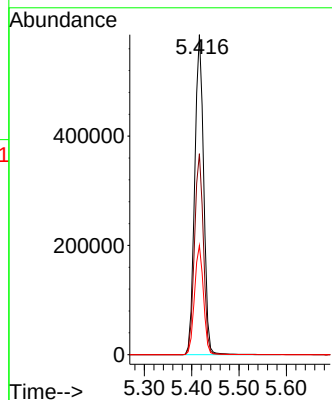
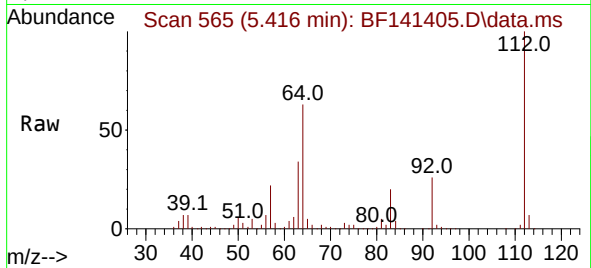




#5
2-Fluorophenol
Concen: 133.556 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

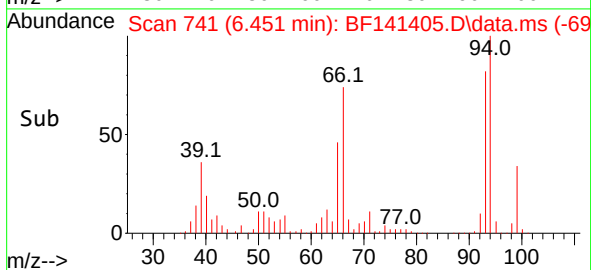
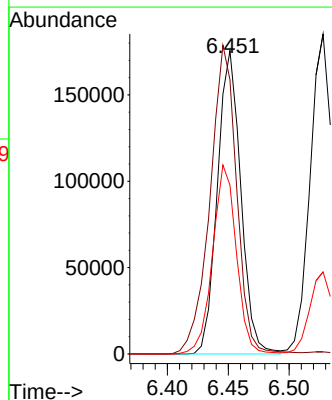
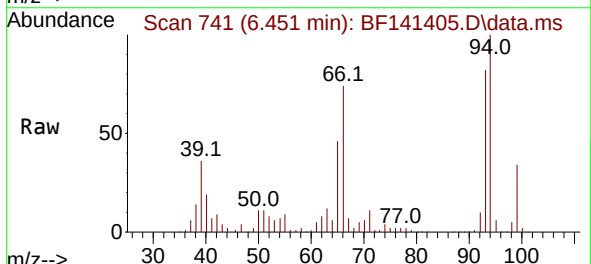
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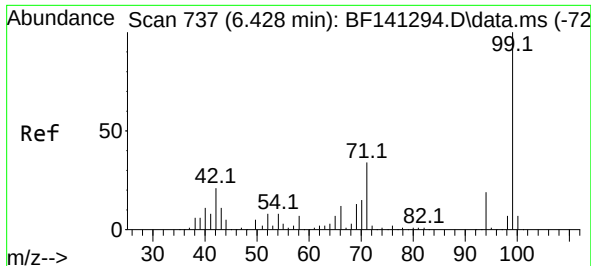
Tgt Ion:112 Resp: 769318
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 34.1 26.1 39.1



#6
Aniline
Concen: 37.888 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 93 Resp: 235017
Ion Ratio Lower Upper
93 100
66 90.4 32.5 48.7#
65 55.6 17.0 25.6#

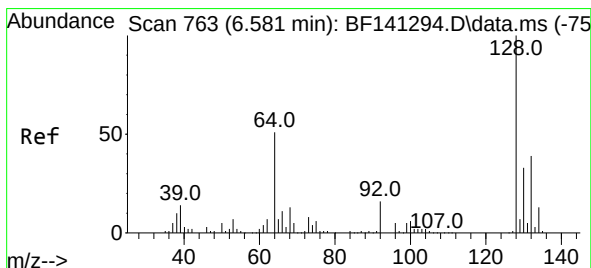
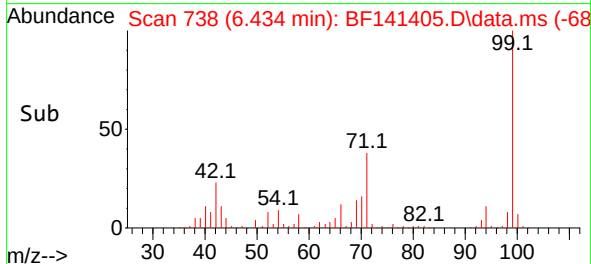
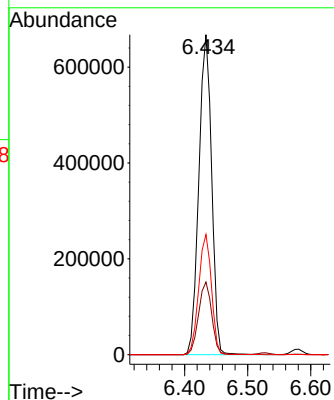
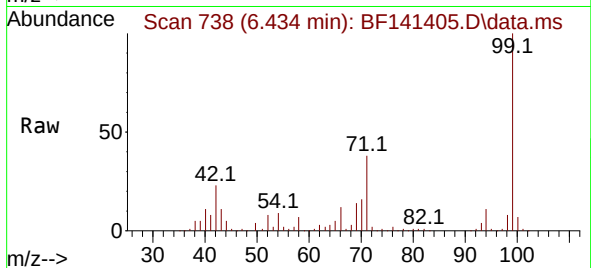




#7
Phenol-d6
Concen: 127.858 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

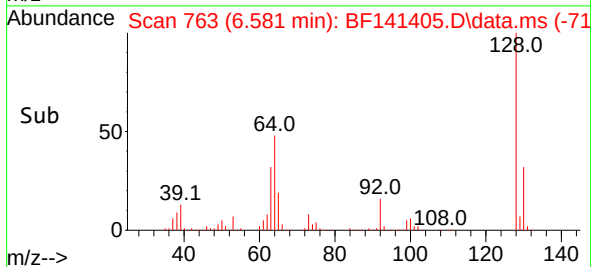
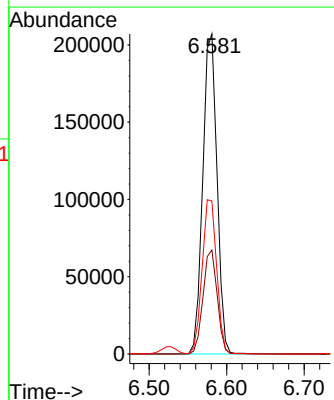
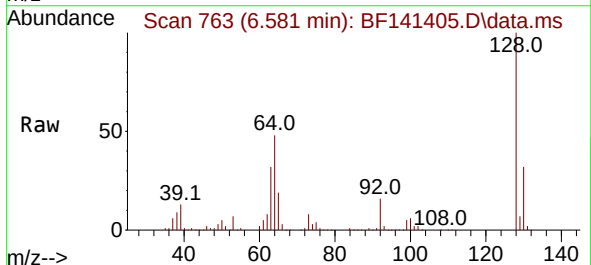
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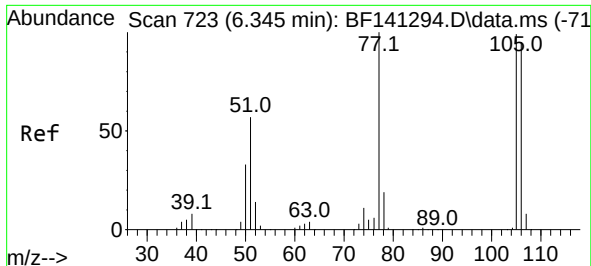
Tgt Ion: 99 Resp: 936922
Ion Ratio Lower Upper
99 100
42 22.7 17.1 25.7
71 37.5 26.9 40.3



#8
2-Chlorophenol
Concen: 42.853 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141405.D
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Tgt Ion:128 Resp: 264577
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 47.8 32.9 72.9

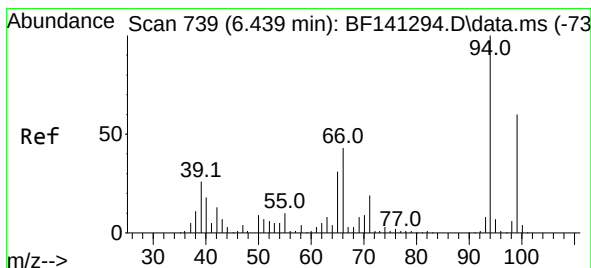
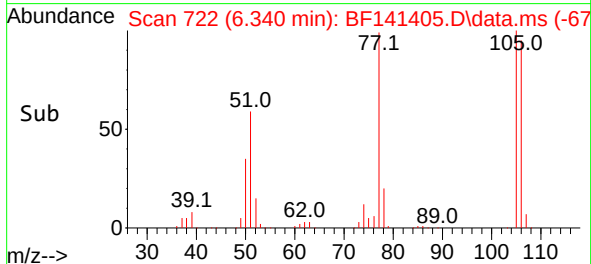
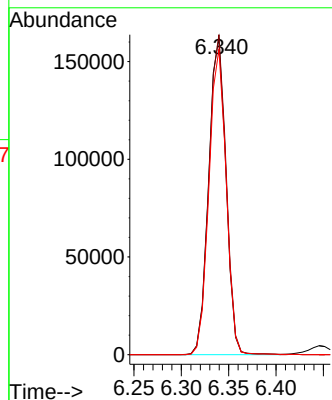
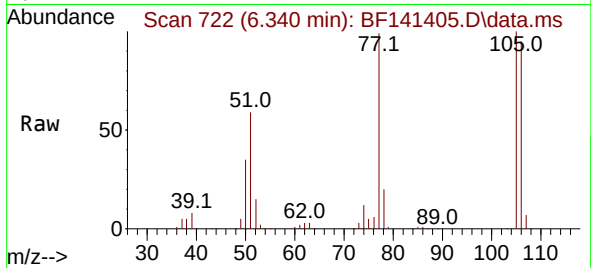




#9
Benzaldehyde
Concen: 48.426 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

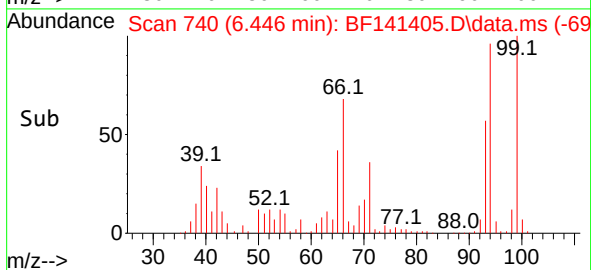
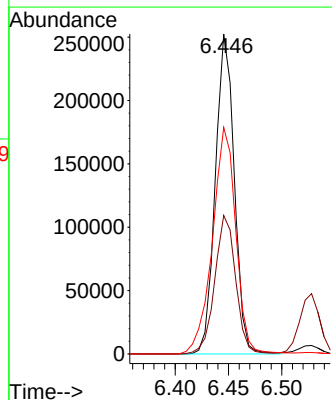
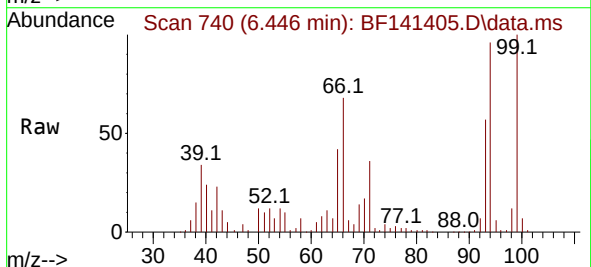
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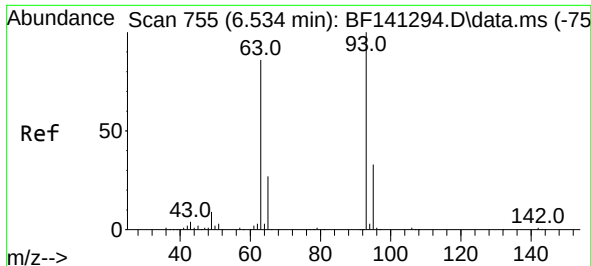
Tgt Ion: 77 Resp: 205545
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 96.3 74.6 114.6



#10
Phenol
Concen: 40.114 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
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Tgt Ion: 94 Resp: 311602
Ion Ratio Lower Upper
94 100
65 43.3 10.8 50.8
66 70.8 23.3 63.3#

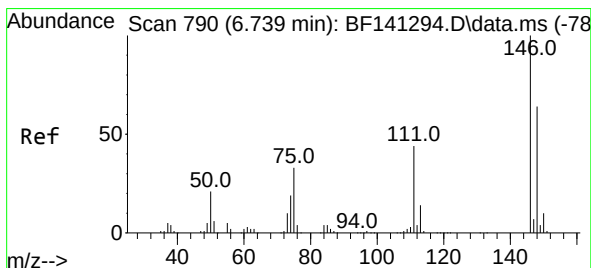
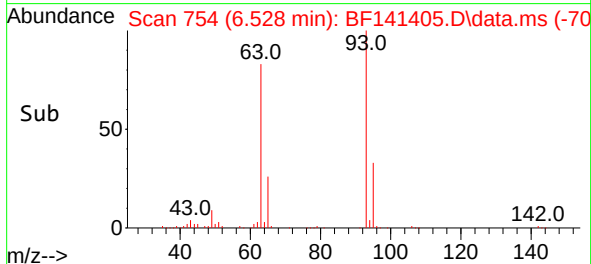
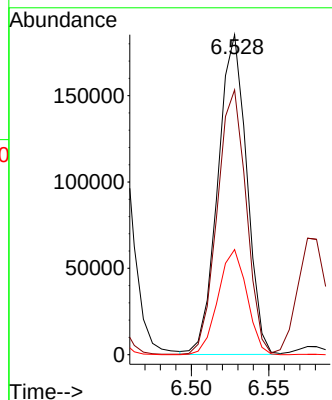
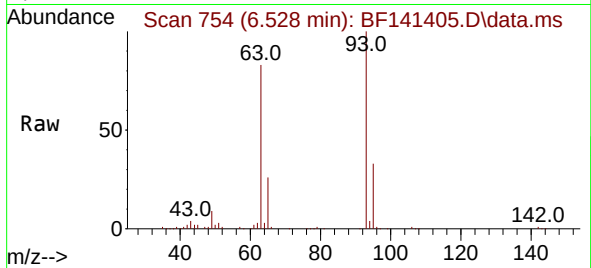




#11
bis(2-Chloroethyl)ether
Concen: 40.245 ng
RT: 6.528 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

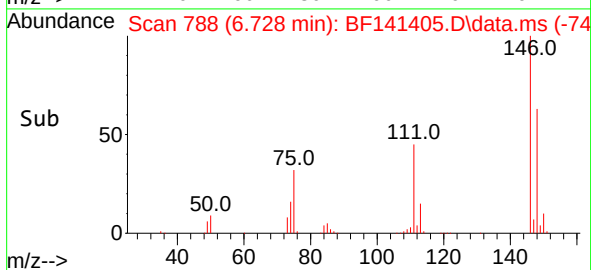
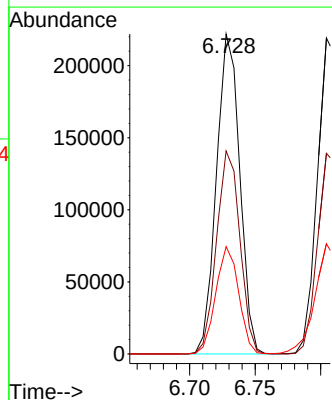
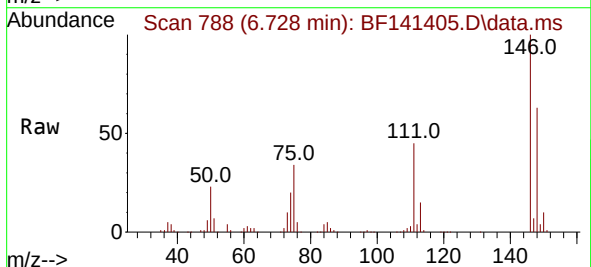
Instrument :
BNA_F
ClientSampleId :
PB166360BS

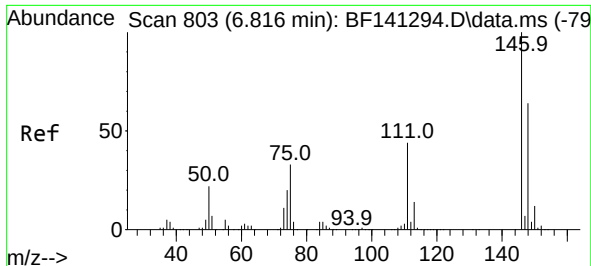
Tgt Ion: 93 Resp: 239698
Ion Ratio Lower Upper
93 100
63 82.7 65.0 105.0
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.300 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 146 Resp: 274342
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 33.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.400 ng

RT: 6.804 min Scan# 803

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

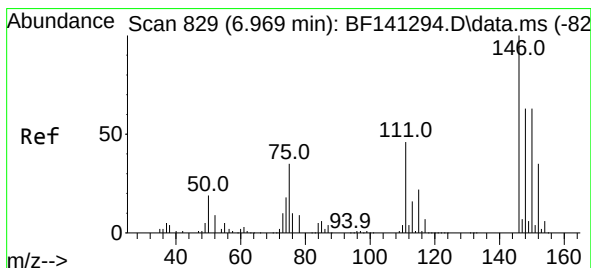
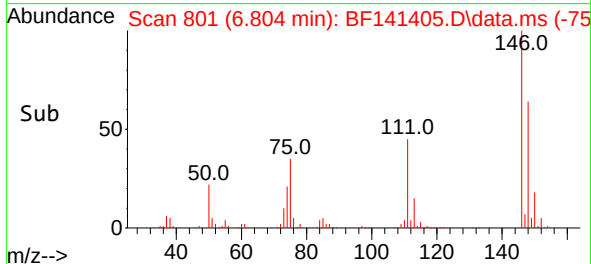
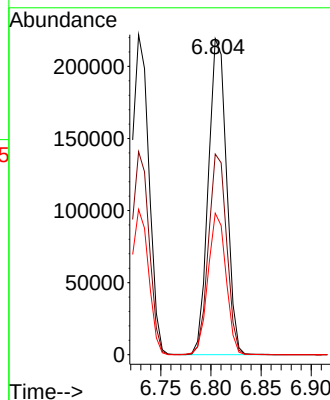
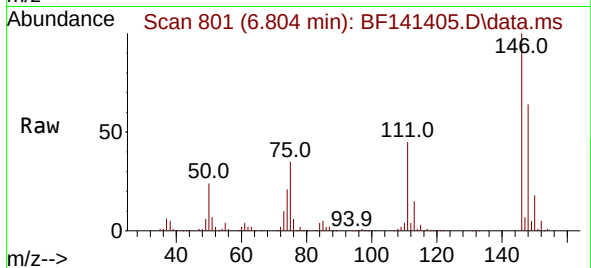
Tgt Ion:146 Resp: 276285

Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

111 44.8 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 41.550 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

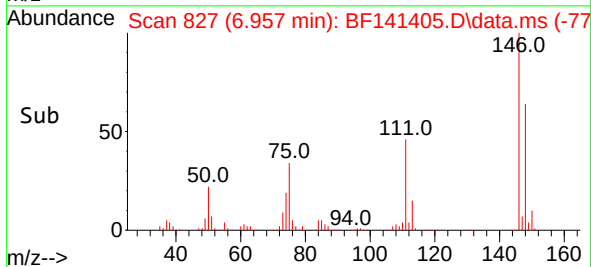
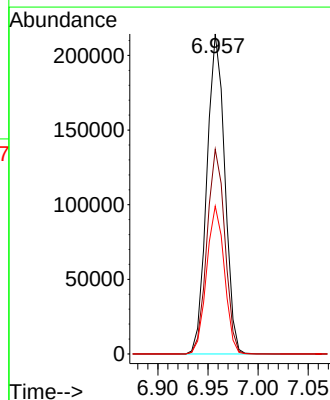
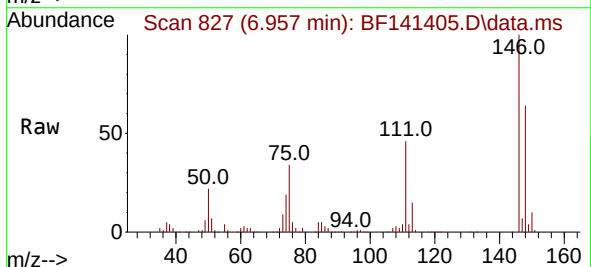
Tgt Ion:146 Resp: 266079

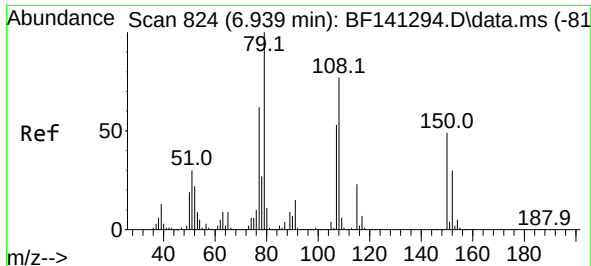
Ion Ratio Lower Upper

146 100

148 63.9 50.5 75.7

111 46.2 36.6 55.0

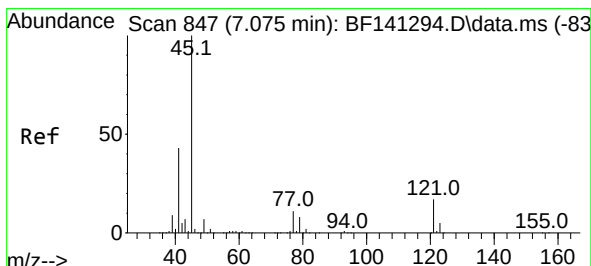
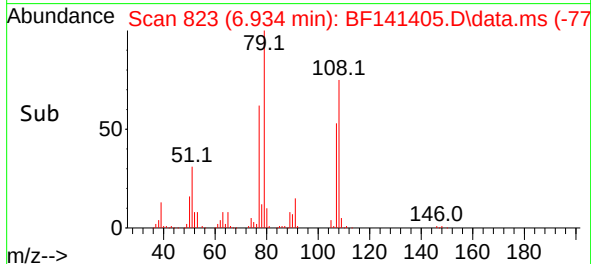
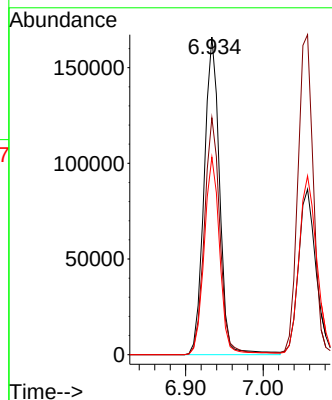
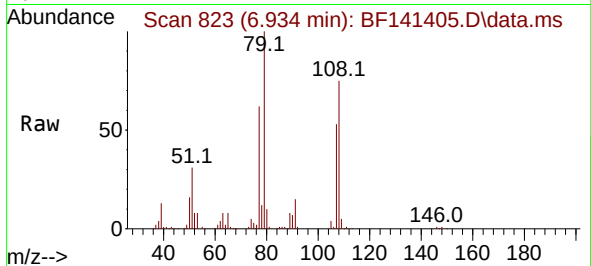




#15
Benzyl Alcohol
Concen: 46.055 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

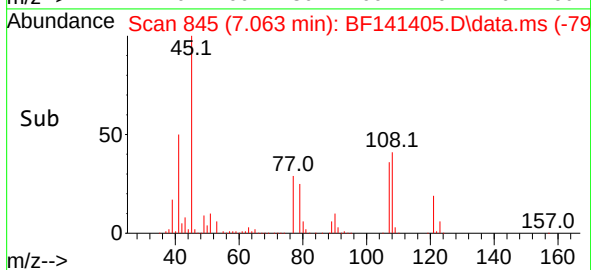
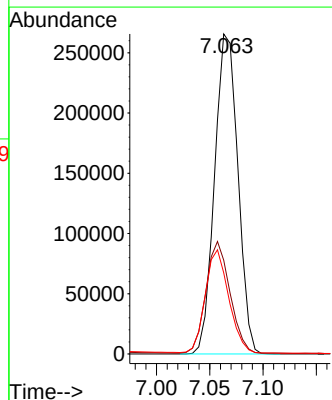
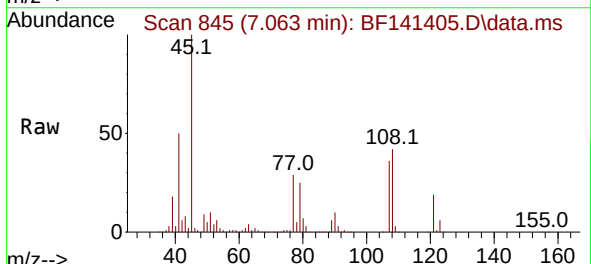
Instrument :
BNA_F
ClientSampleId :
PB166360BS

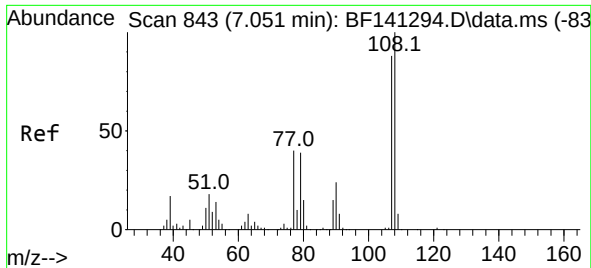
Tgt Ion: 79 Resp: 230635
Ion Ratio Lower Upper
79 100
108 74.6 61.4 92.0
77 62.2 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.977 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion: 45 Resp: 403685
Ion Ratio Lower Upper
45 100
77 29.3 0.0 31.8
79 25.3 0.0 29.1

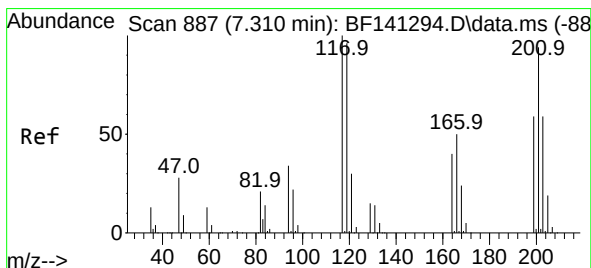
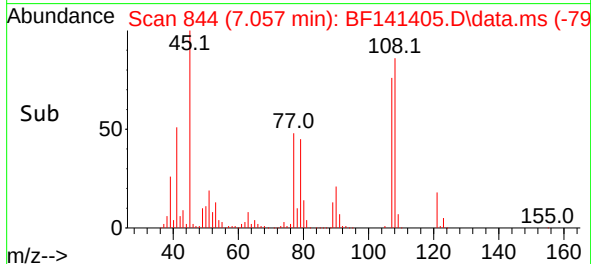
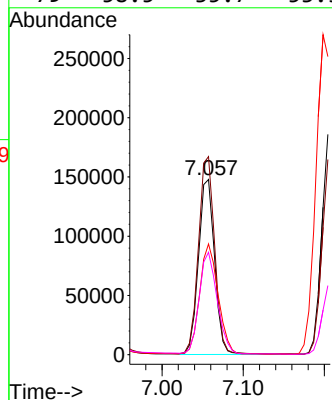
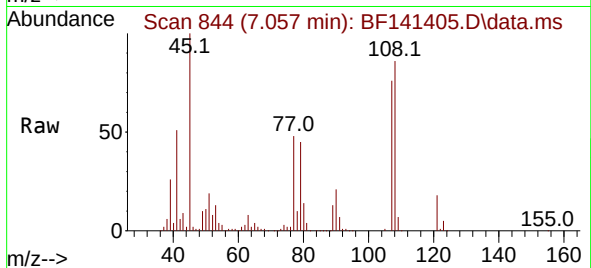




#17
2-Methylphenol
Concen: 40.848 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

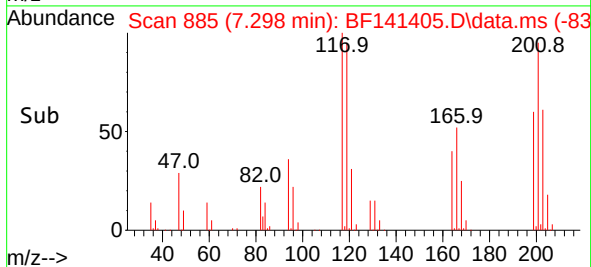
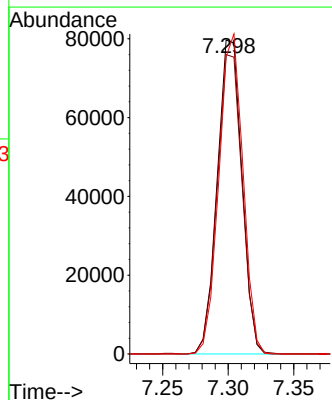
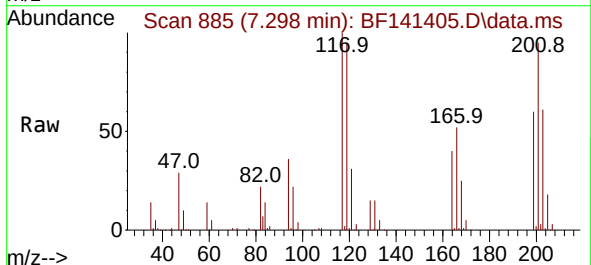
Instrument :
BNA_F
ClientSampleId :
PB166360BS

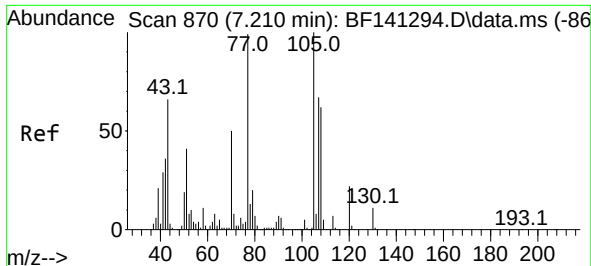
Tgt Ion:107 Resp: 204968
Ion Ratio Lower Upper
107 100
108 113.1 90.8 136.2
77 63.2 36.2 54.4#
79 58.5 35.7 53.5#



#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:117 Resp: 104293
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8
201 94.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 41.908 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.024 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion: 70 Resp: 182475

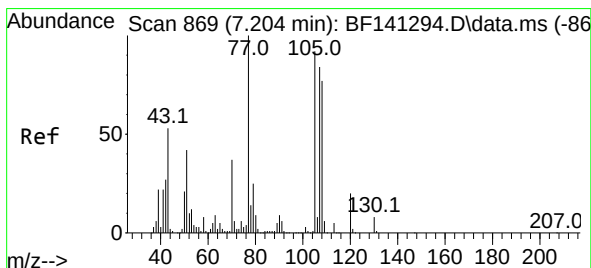
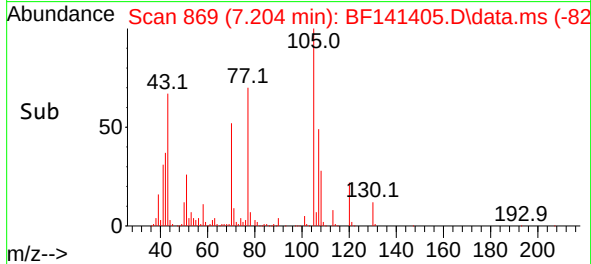
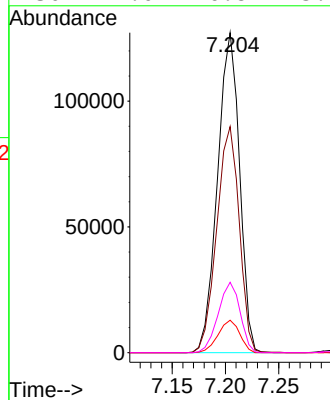
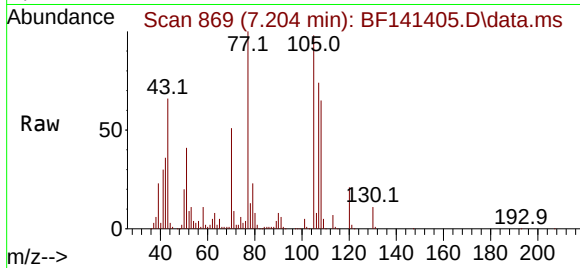
Ion Ratio Lower Upper

70 100

42 70.6 56.8 85.2

101 10.2 7.7 11.5

130 22.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 42.728 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:107 Resp: 263250

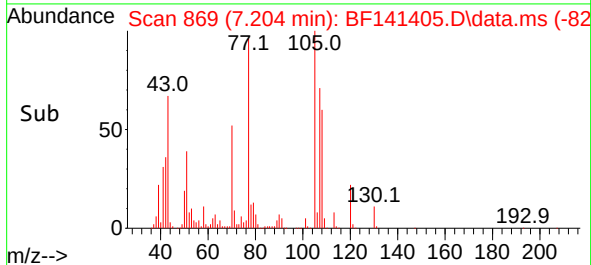
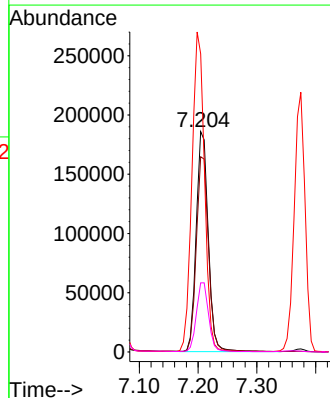
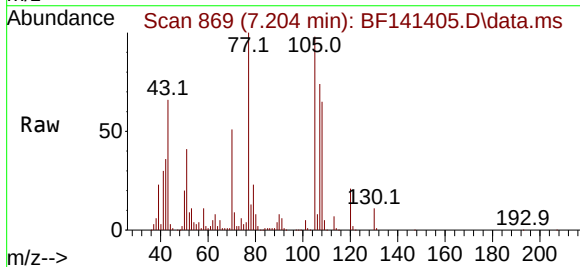
Ion Ratio Lower Upper

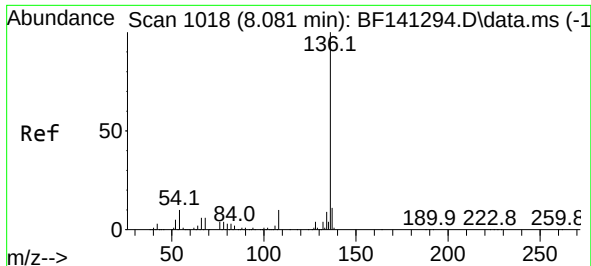
107 100

108 88.6 70.9 110.9

77 135.3 98.5 138.5

79 31.4 9.5 49.5

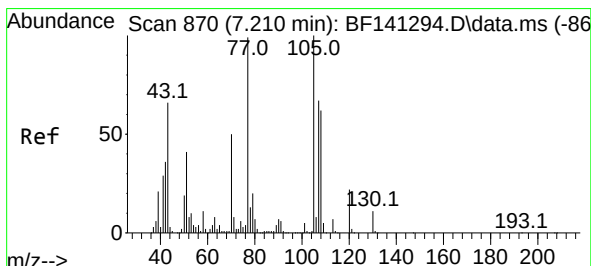
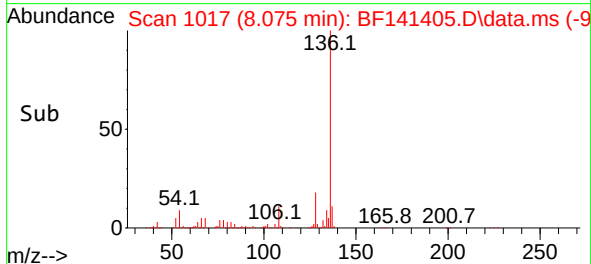
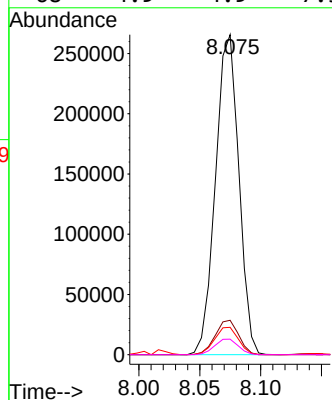
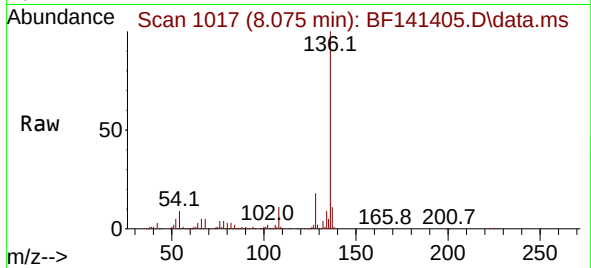




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

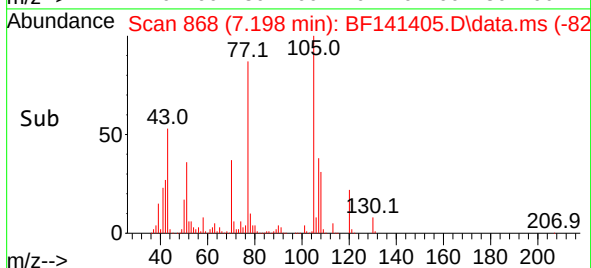
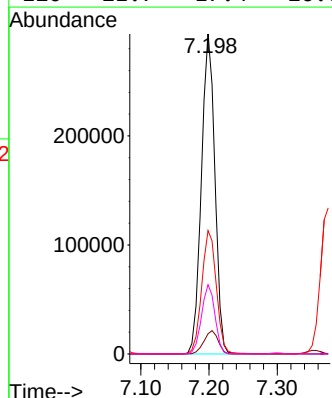
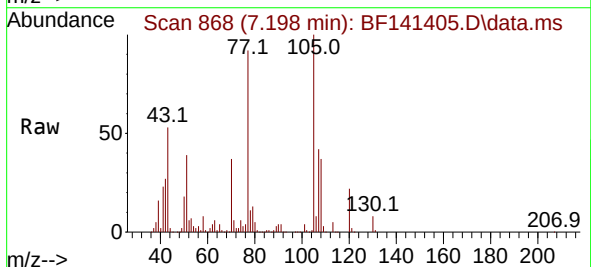
Instrument :
BNA_F
ClientSampleId :
PB166360BS

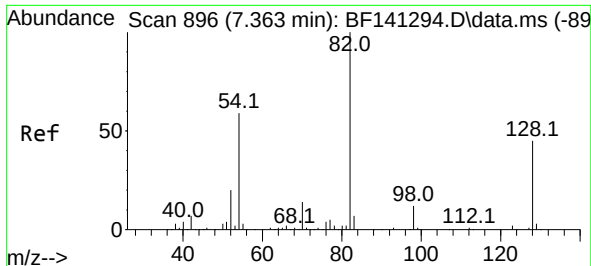
Tgt Ion:136 Resp: 354444
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.8 11.8
68 4.9 4.9 7.3#



#22
Acetophenone
Concen: 47.941 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:105 Resp: 403906
Ion Ratio Lower Upper
105 100
71 6.3 6.8 10.2#
51 38.6 32.6 49.0
120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.695 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

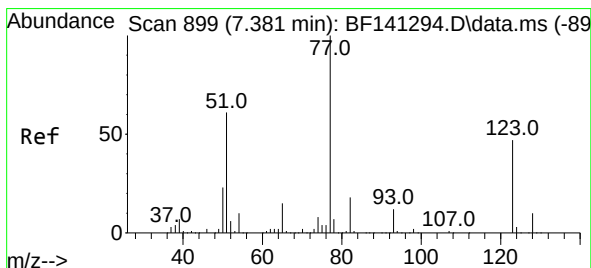
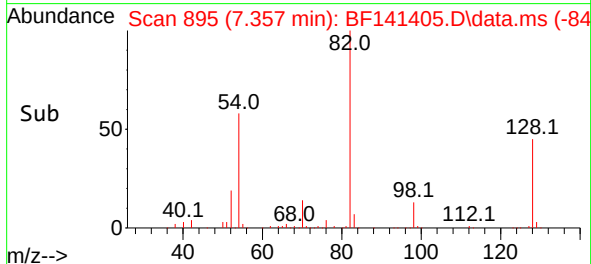
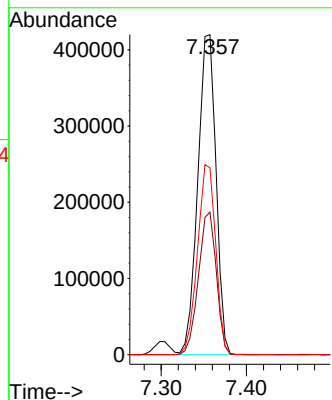
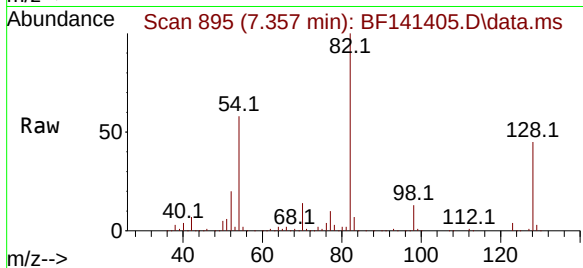
Tgt Ion: 82 Resp: 623241

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

54 58.4 47.1 70.7



#24

Nitrobenzene

Concen: 40.220 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

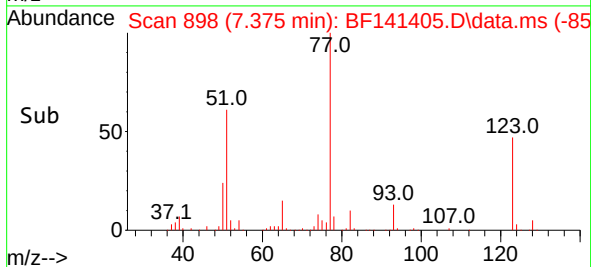
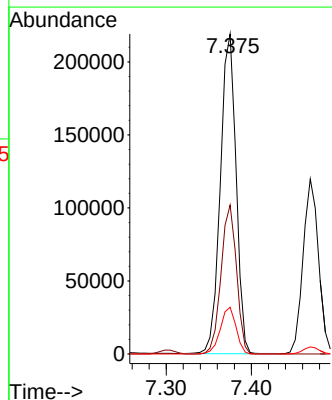
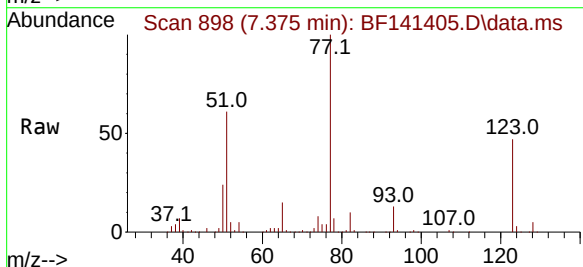
Tgt Ion: 77 Resp: 280239

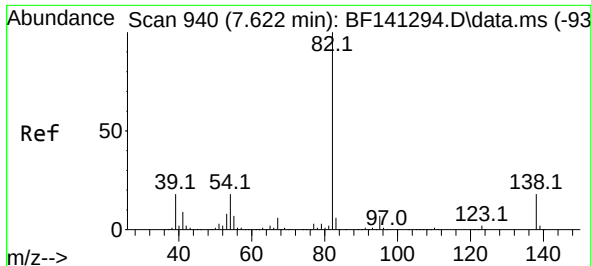
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.6 11.8 17.6

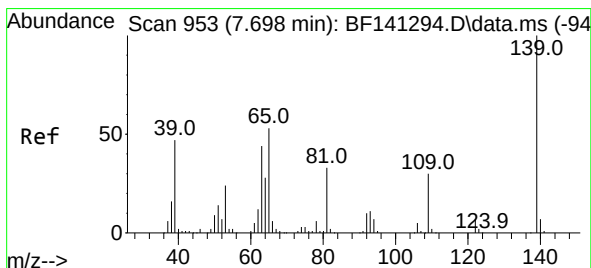
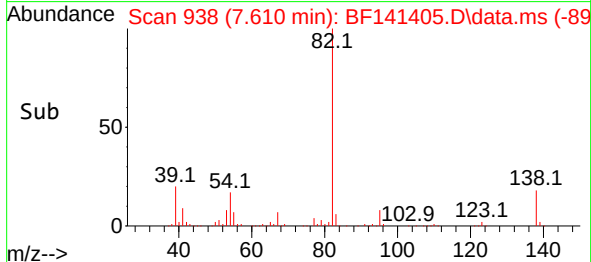
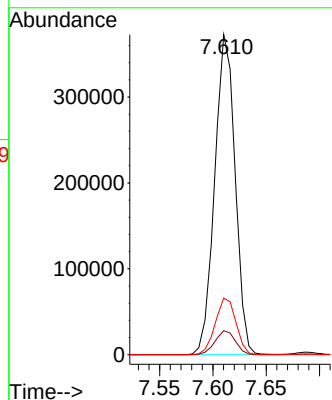
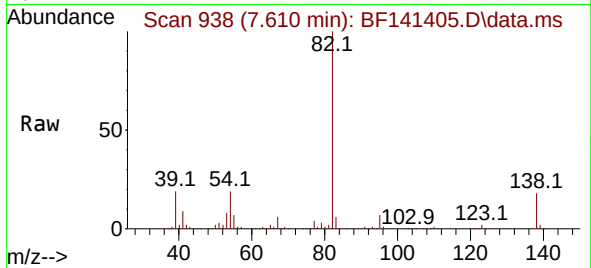




#25
Isophorone
Concen: 42.717 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

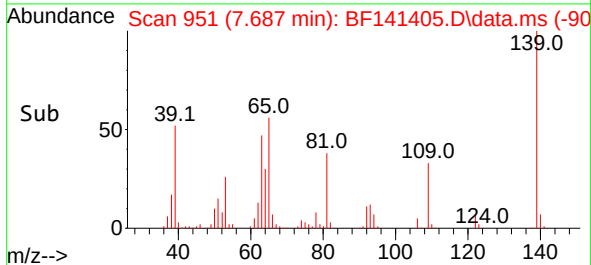
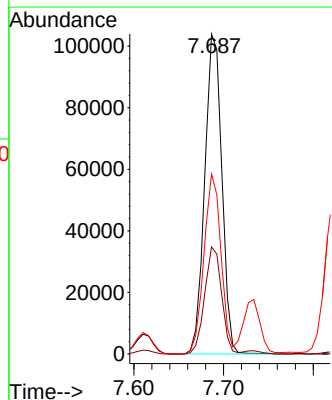
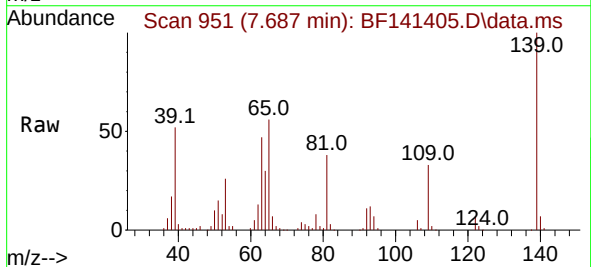
Instrument :
BNA_F
ClientSampleId :
PB166360BS

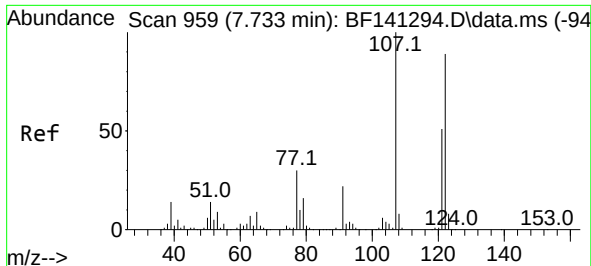
Tgt Ion: 82 Resp: 496476
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1



#26
2-Nitrophenol
Concen: 41.920 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:139 Resp: 137753
Ion Ratio Lower Upper
139 100
109 33.5 23.8 35.6
65 56.3 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 50.122 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

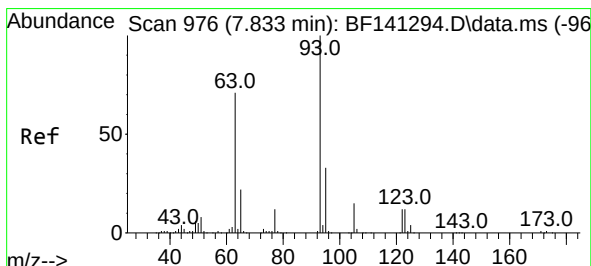
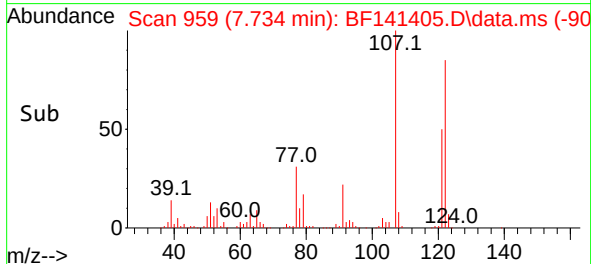
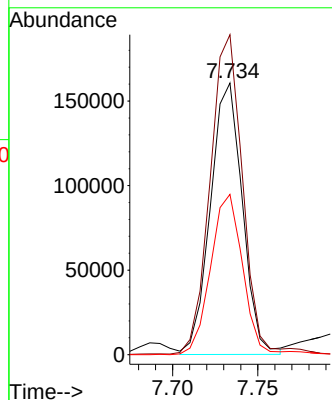
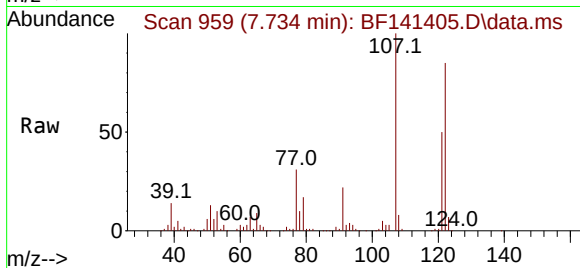
Tgt Ion:122 Resp: 209641

Ion Ratio Lower Upper

122 100

107 117.8 89.9 134.9

121 59.0 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 39.933 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

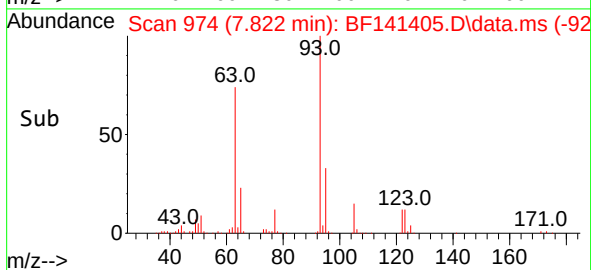
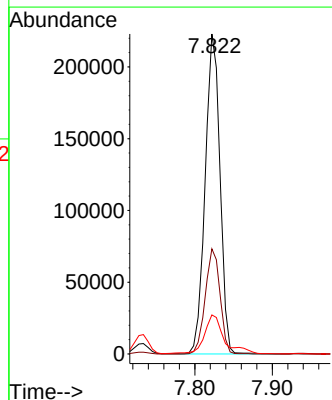
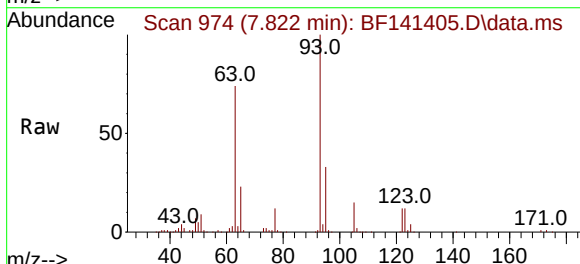
Tgt Ion: 93 Resp: 296047

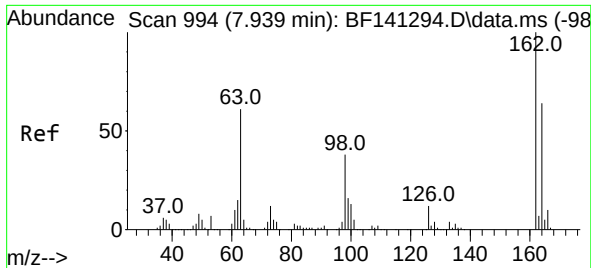
Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.2

123 12.2 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 42.800 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141405.D

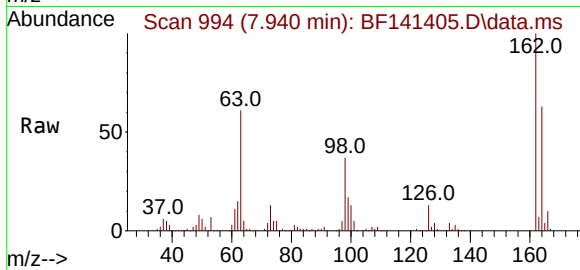
Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS



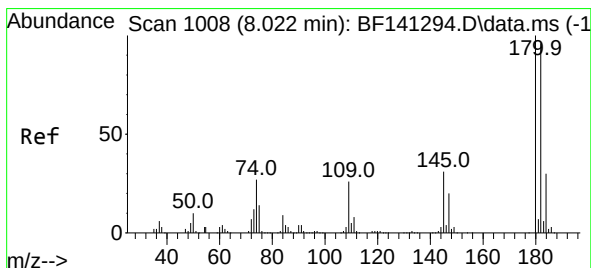
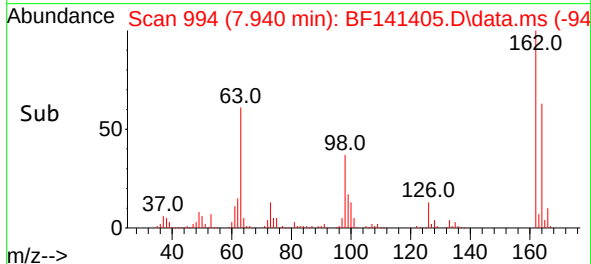
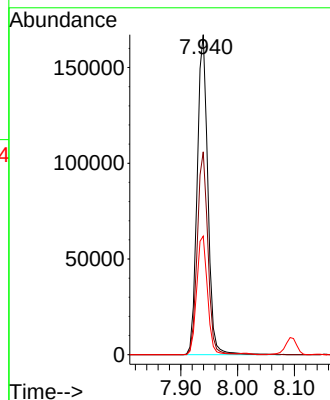
Tgt Ion:162 Resp: 219155

Ion Ratio Lower Upper

162 100

164 63.4 44.2 84.2

98 37.0 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.218 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

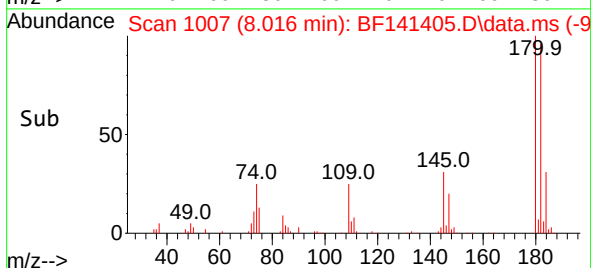
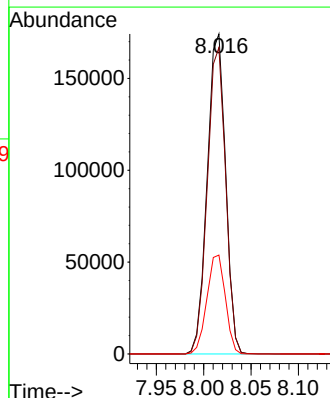
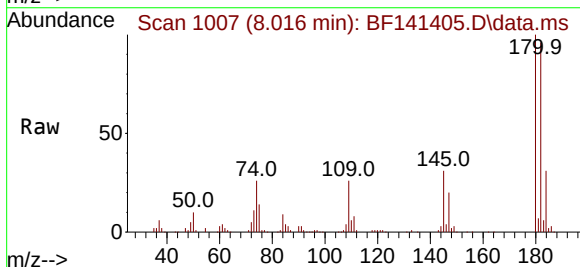
Tgt Ion:180 Resp: 235183

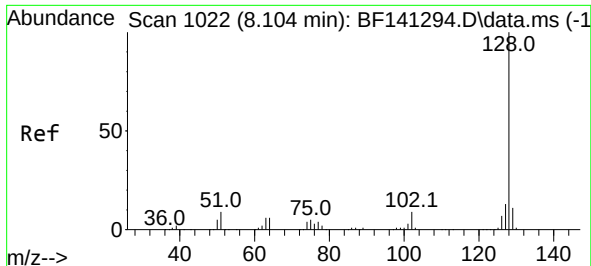
Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

145 30.9 24.9 37.3

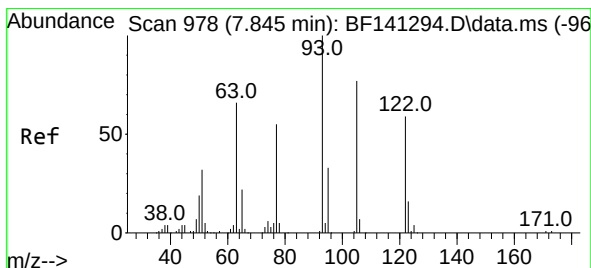
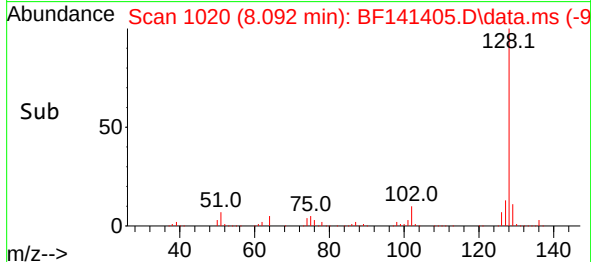
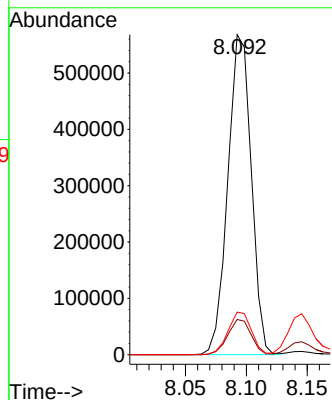
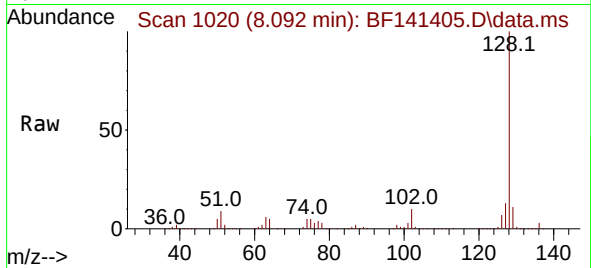




#31
Naphthalene
Concen: 40.619 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

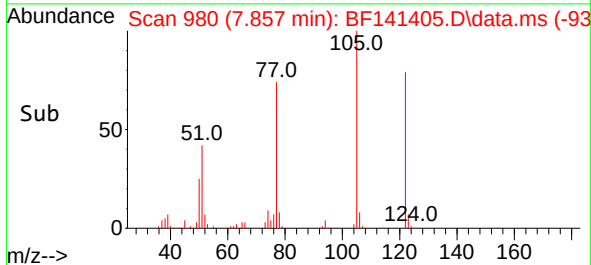
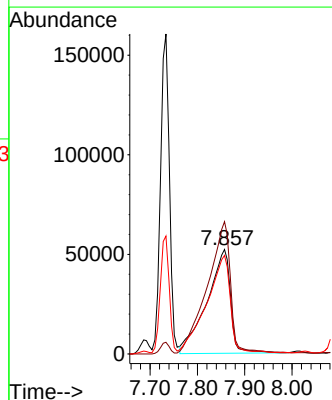
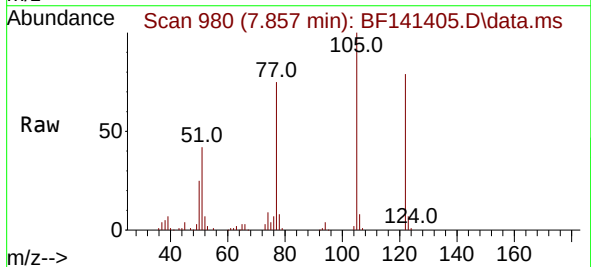
Instrument :
BNA_F
ClientSampleId :
PB166360BS

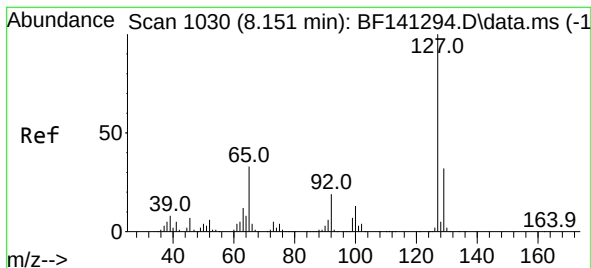
Tgt Ion:128 Resp: 760572
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 46.816 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:122 Resp: 180009
Ion Ratio Lower Upper
122 100
105 126.6 103.4 143.4
77 94.3 70.9 110.9





#33

4-Chloroaniline

Concen: 18.209 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:127 Resp: 115619

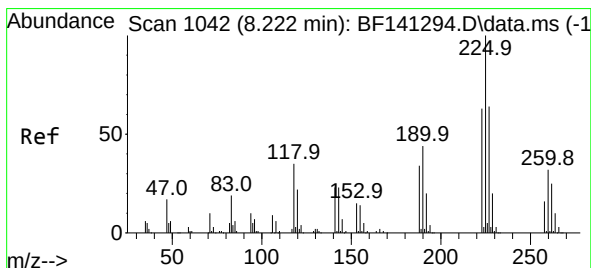
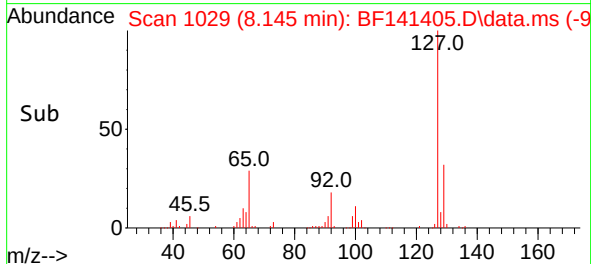
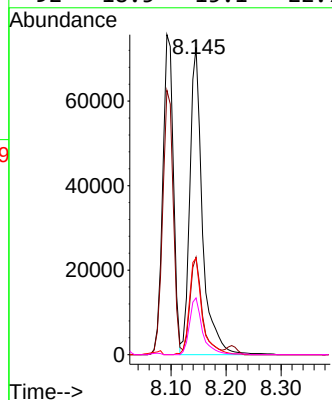
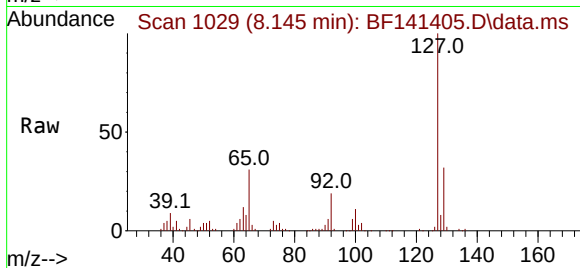
Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 31.4 26.4 39.6

92 18.5 15.1 22.7



#34

Hexachlorobutadiene

Concen: 42.813 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

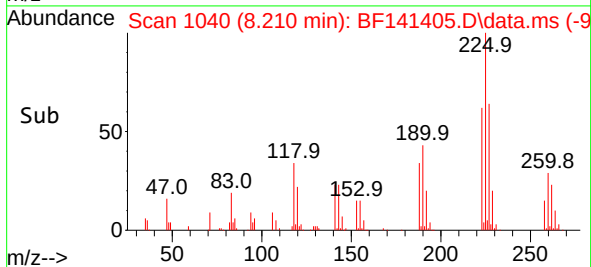
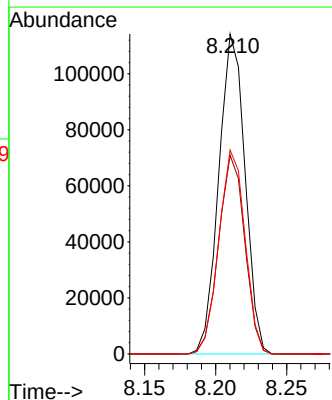
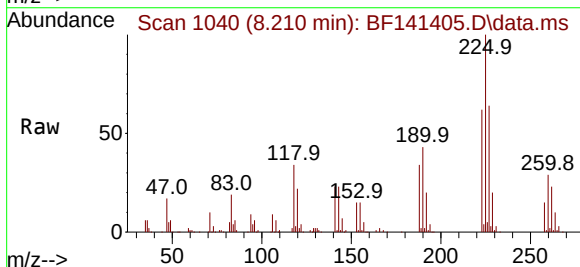
Tgt Ion:225 Resp: 146819

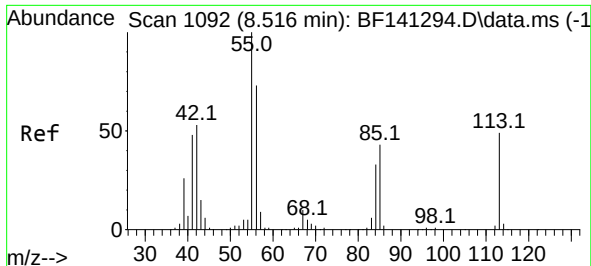
Ion Ratio Lower Upper

225 100

223 62.1 50.4 75.6

227 63.7 51.3 76.9

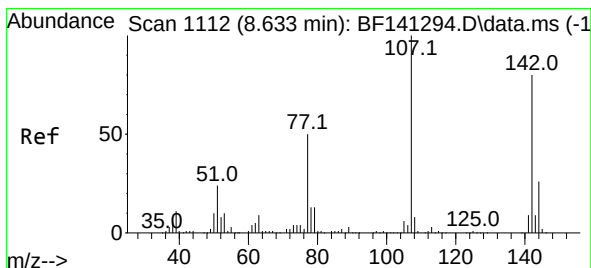
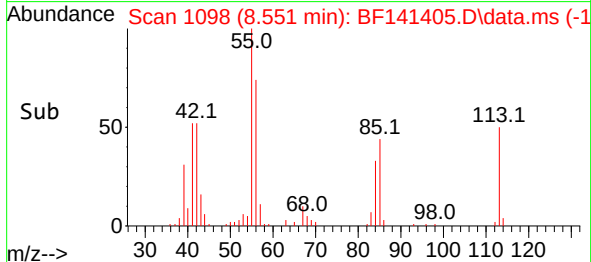
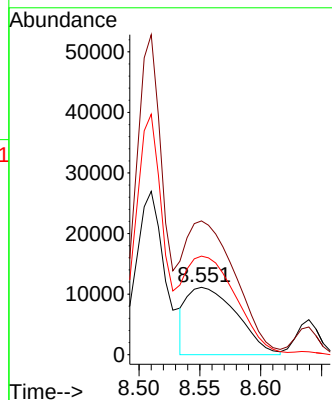
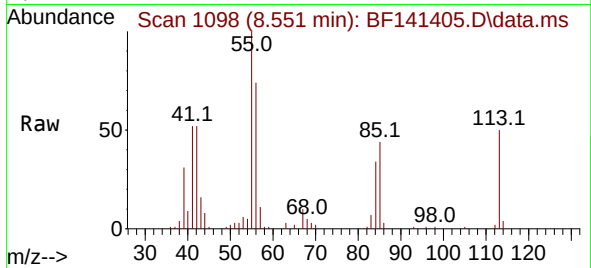




#35
 Caprolactam
 Concen: 18.944 ng
 RT: 8.551 min Scan# 1092
 Delta R.T. 0.006 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

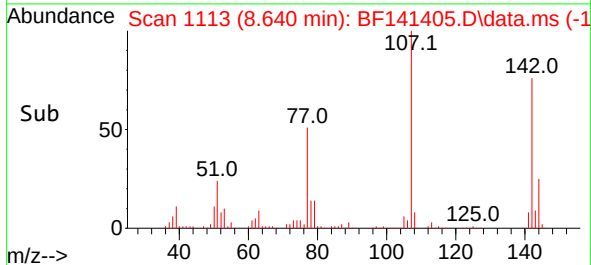
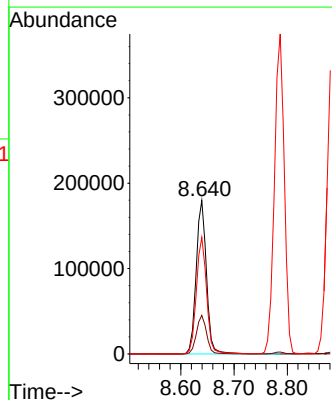
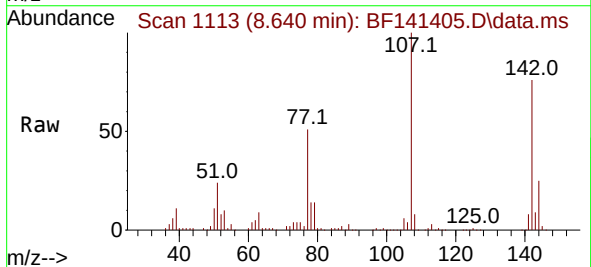
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

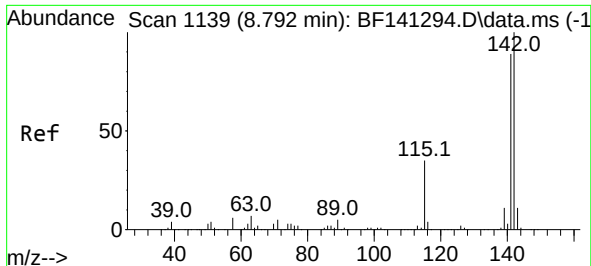
Tgt Ion:113 Resp: 31679
 Ion Ratio Lower Upper
 113 100
 55 198.5 182.9 222.9
 56 146.1 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.764 ng
 RT: 8.640 min Scan# 1113
 Delta R.T. -0.000 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

Tgt Ion:107 Resp: 240374
 Ion Ratio Lower Upper
 107 100
 144 25.1 20.7 31.1
 142 76.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 40.476 ng

RT: 8.787 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

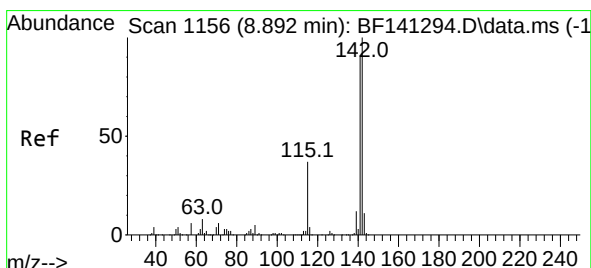
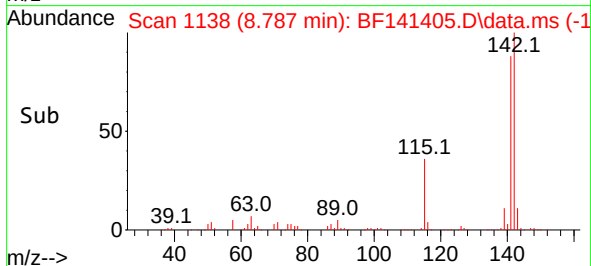
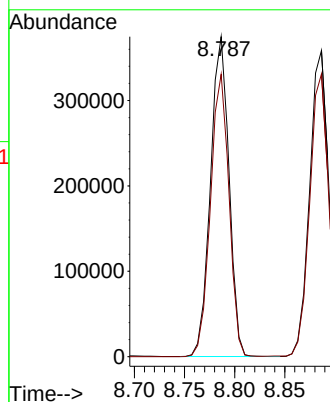
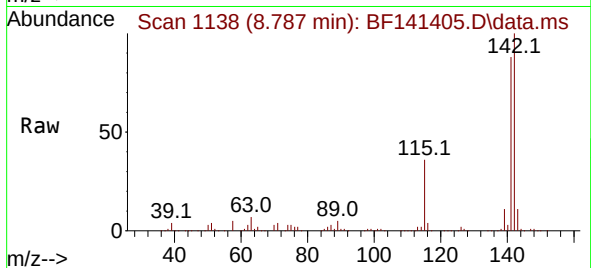
PB166360BS

Tgt Ion:142 Resp: 481699

Ion Ratio Lower Upper

142 100

141 88.2 71.3 106.9



#38

1-Methylnaphthalene

Concen: 39.925 ng

RT: 8.887 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141405.D

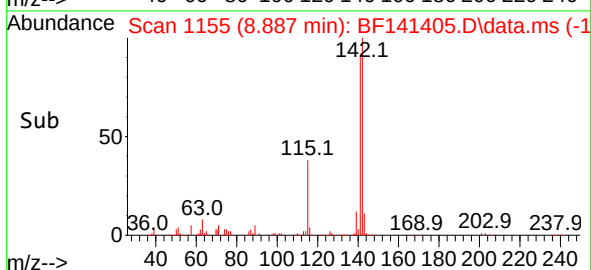
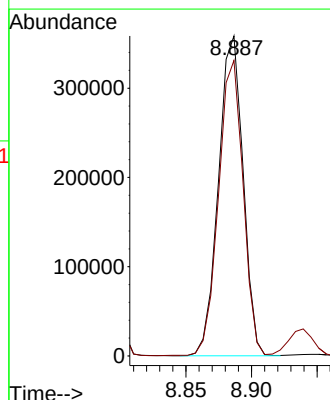
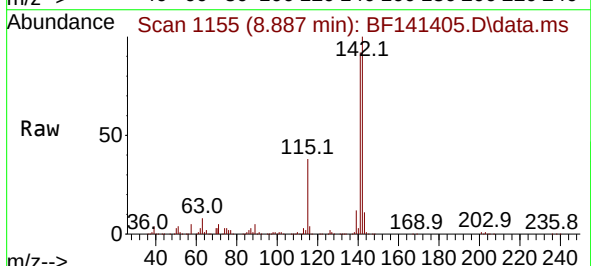
Acq: 04 Feb 2025 13:47

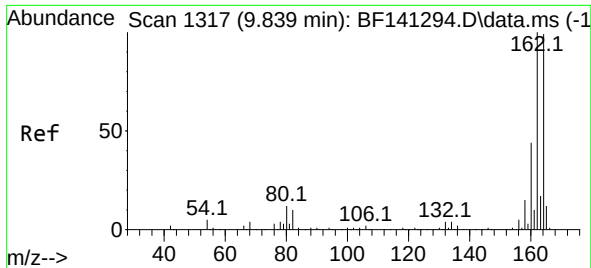
Tgt Ion:142 Resp: 466741

Ion Ratio Lower Upper

142 100

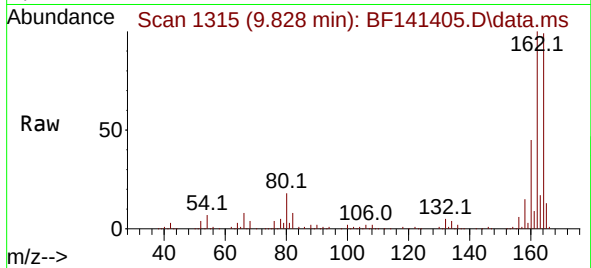
141 92.3 73.2 109.8



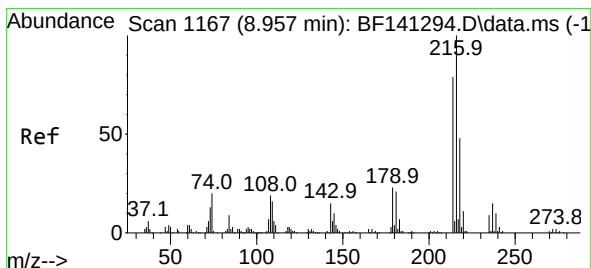
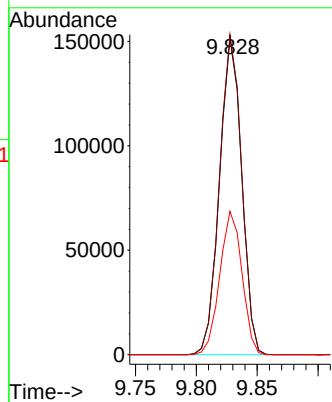
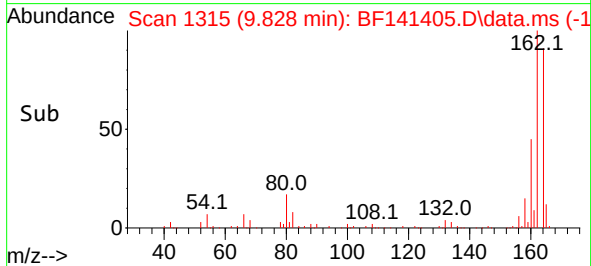


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

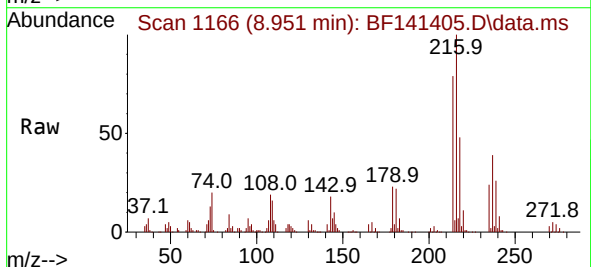
Instrument :
BNA_F
ClientSampleId :
PB166360BS



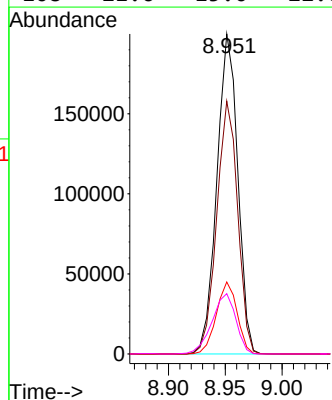
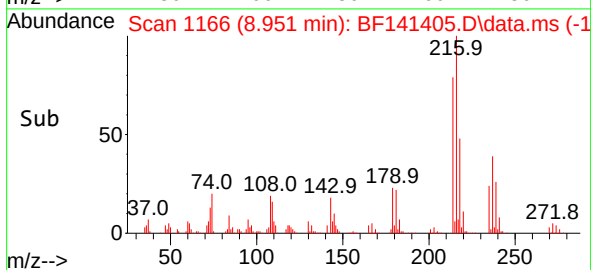
Tgt Ion:164 Resp: 192238
Ion Ratio Lower Upper
164 100
162 101.2 80.6 121.0
160 45.3 35.8 53.6

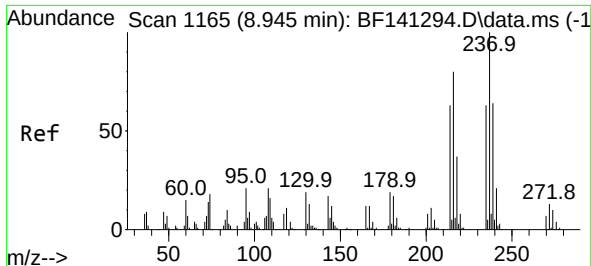


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.830 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47



Tgt Ion:216 Resp: 256112
Ion Ratio Lower Upper
216 100
214 79.0 63.2 94.8
179 22.4 17.8 26.8
108 21.6 15.0 22.6

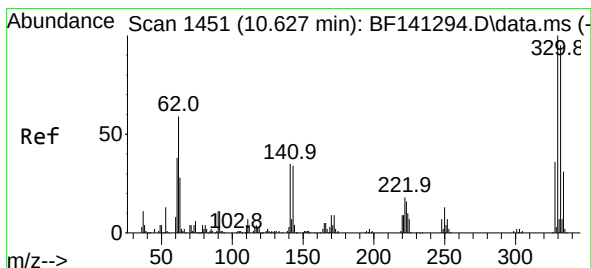
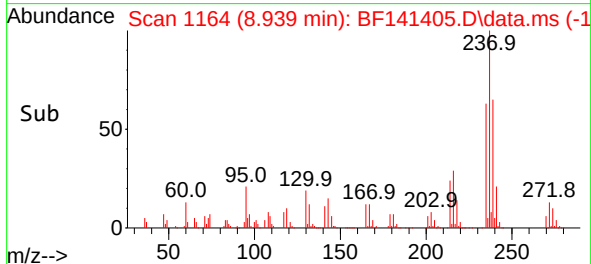
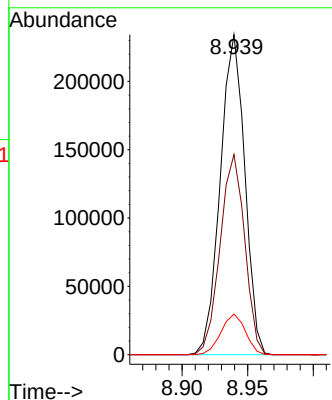
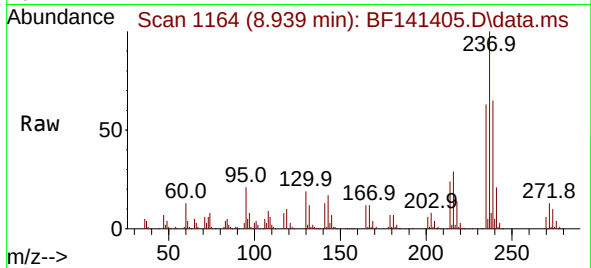




#41
Hexachlorocyclopentadiene
Concen: 188.383 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

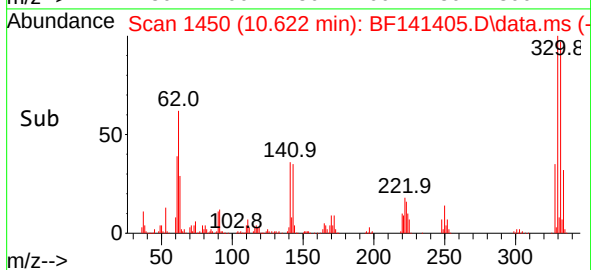
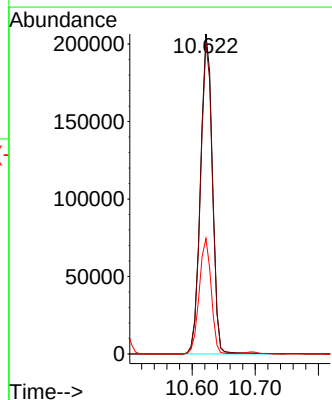
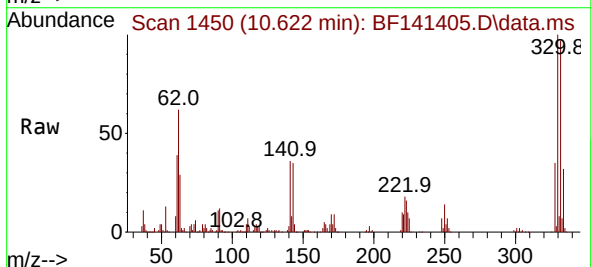
Instrument :
BNA_F
ClientSampleId :
PB166360BS

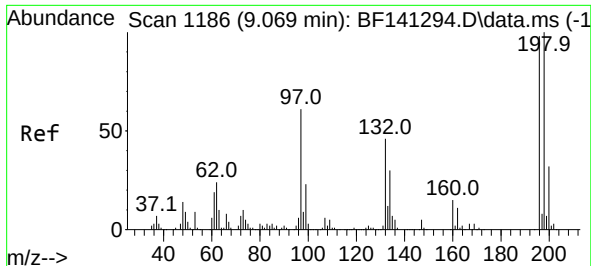
Tgt Ion:237 Resp: 304265
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.7 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 153.949 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:330 Resp: 271316
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 44.001 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

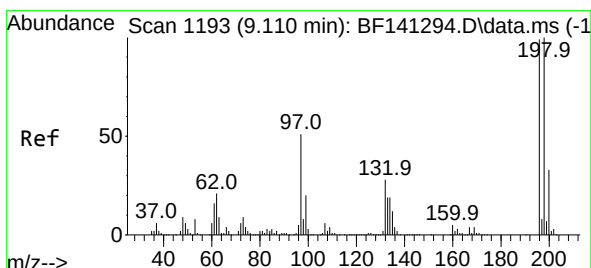
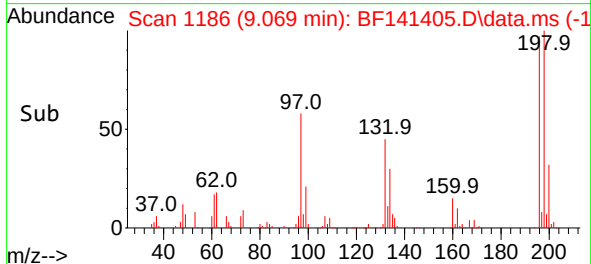
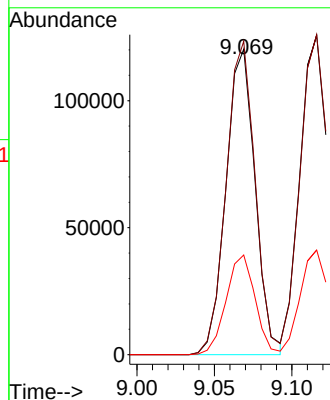
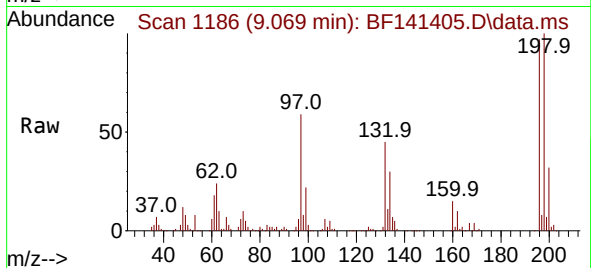
Tgt Ion:196 Resp: 157506

Ion Ratio Lower Upper

196 100

198 102.6 81.8 122.6

200 32.6 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 42.677 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Tgt Ion:196 Resp: 166270

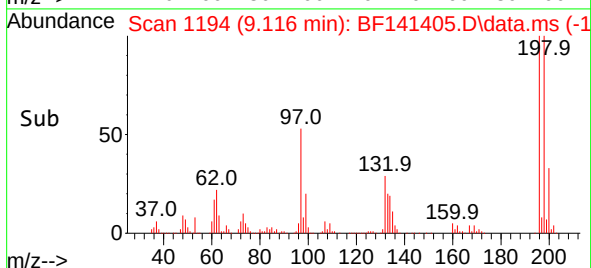
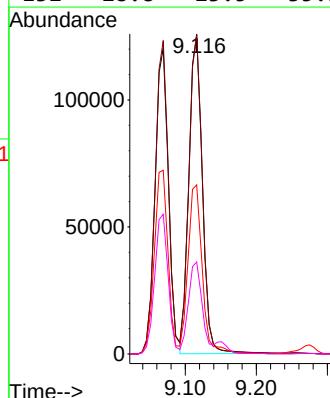
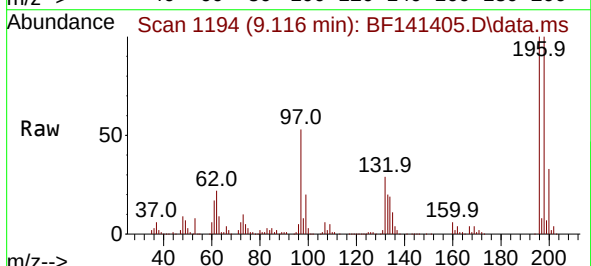
Ion Ratio Lower Upper

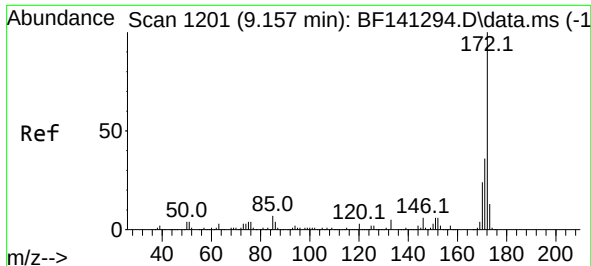
196 100

198 100.2 80.5 120.7

97 53.0 42.8 64.2

132 28.8 23.5 35.3

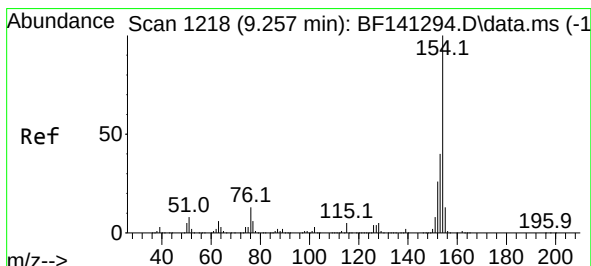
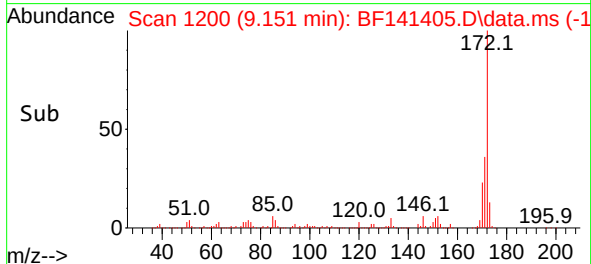
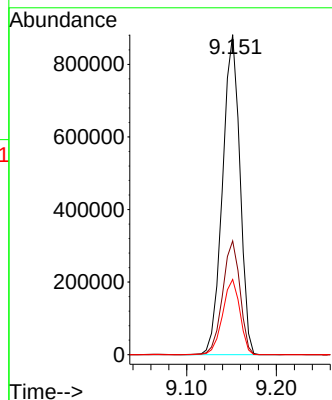
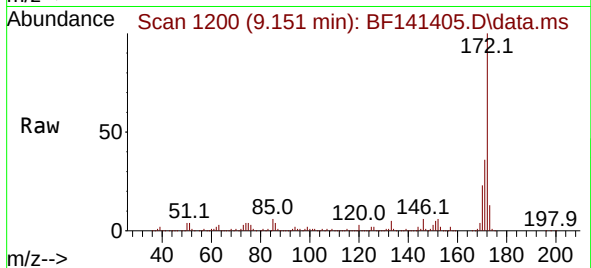




#45
2-Fluorobiphenyl
Concen: 94.785 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

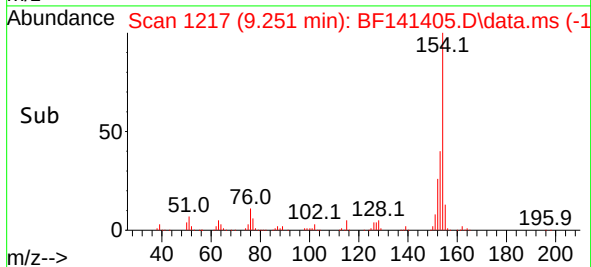
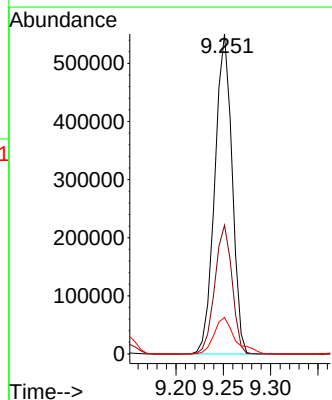
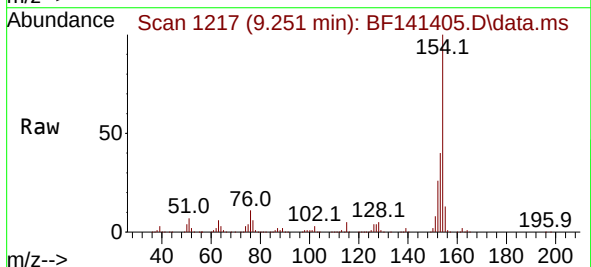
Instrument :
BNA_F
ClientSampleId :
PB166360BS

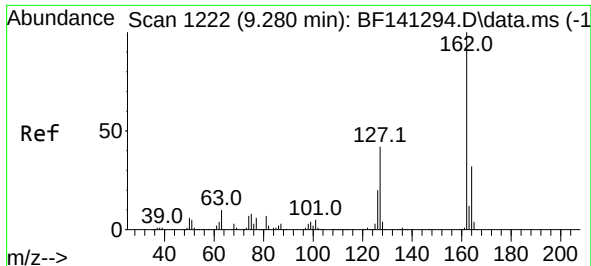
Tgt Ion:172 Resp: 1183823
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6



#46
1,1'-Biphenyl
Concen: 46.526 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:154 Resp: 697536
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.612 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

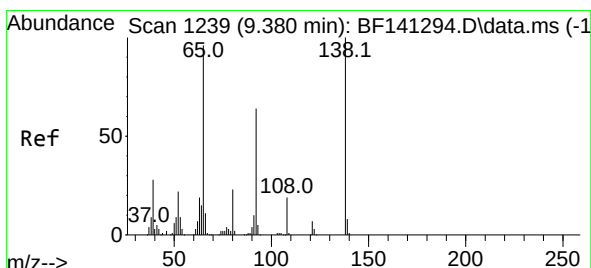
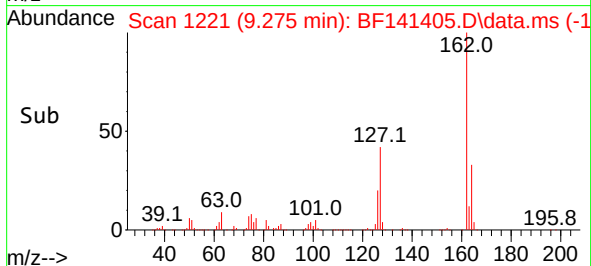
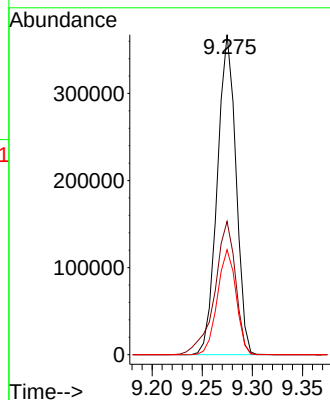
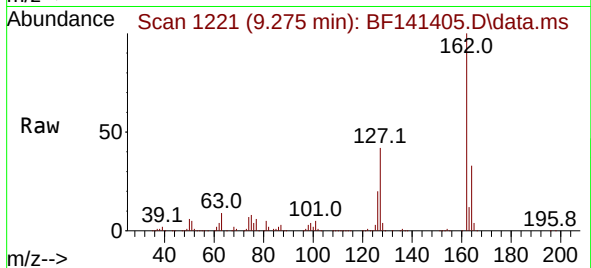
Tgt Ion:162 Resp: 474573

Ion Ratio Lower Upper

162 100

127 41.7 33.7 50.5

164 32.8 25.9 38.9



#48

2-Nitroaniline

Concen: 43.758 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

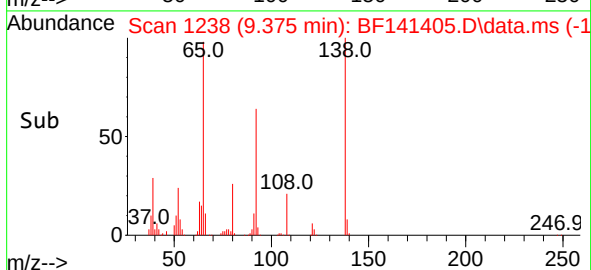
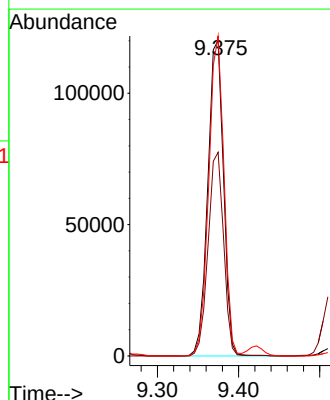
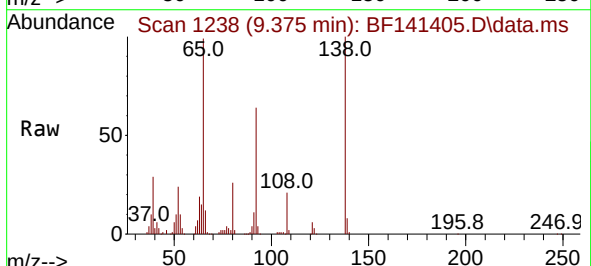
Tgt Ion: 65 Resp: 160837

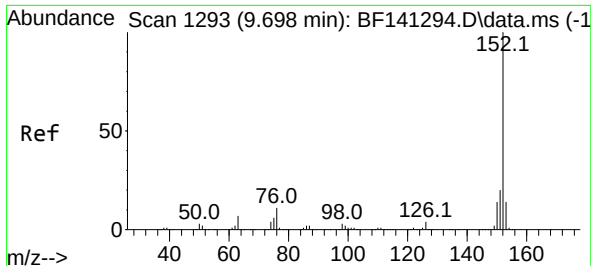
Ion Ratio Lower Upper

65 100

92 64.6 53.3 79.9

138 101.4 83.6 125.4

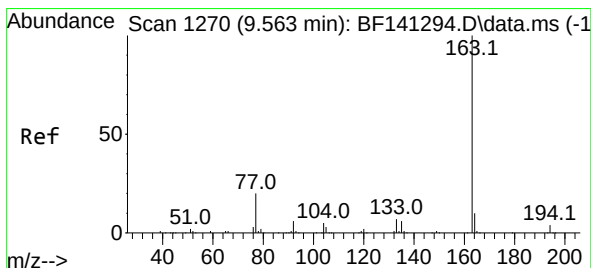
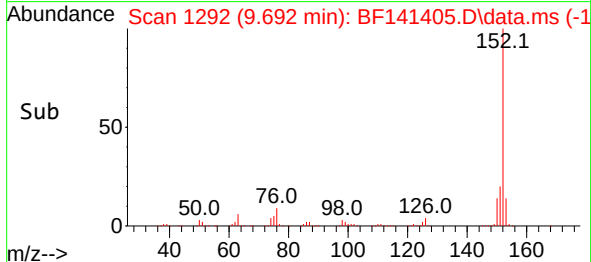
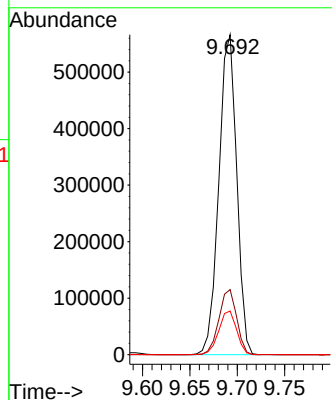
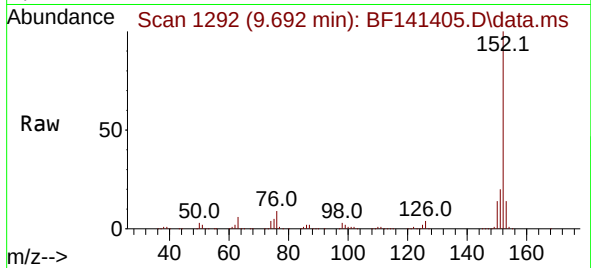




#49
Acenaphthylene
Concen: 45.402 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

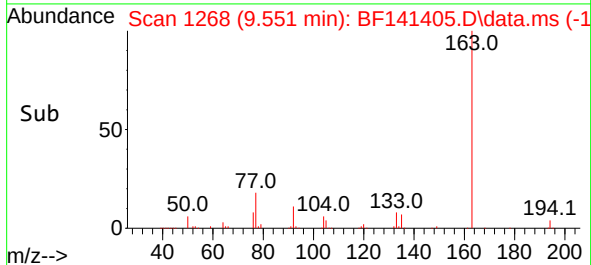
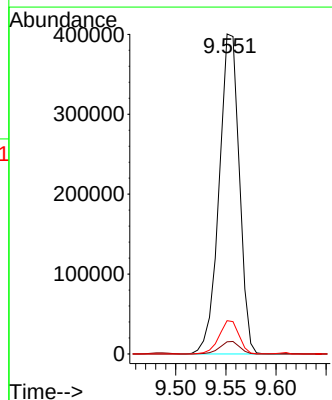
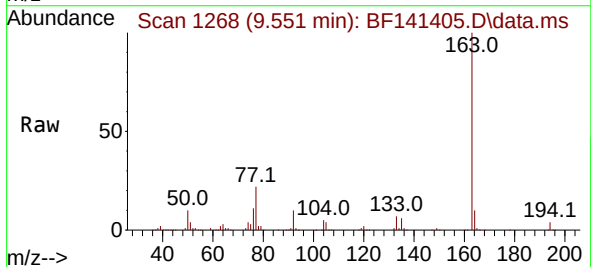
Instrument :
BNA_F
ClientSampleId :
PB166360BS

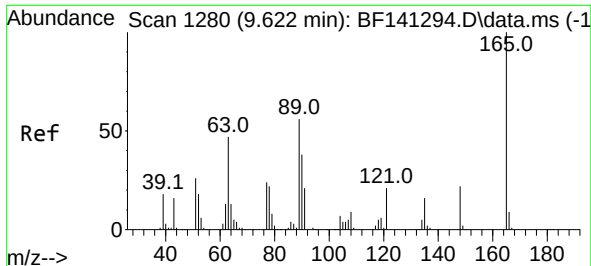
Tgt Ion:152 Resp: 742670
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.7 11.0 16.6



#50
Dimethylphthalate
Concen: 43.058 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:163 Resp: 559047
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.4 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 40.738 ng

RT: 9.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

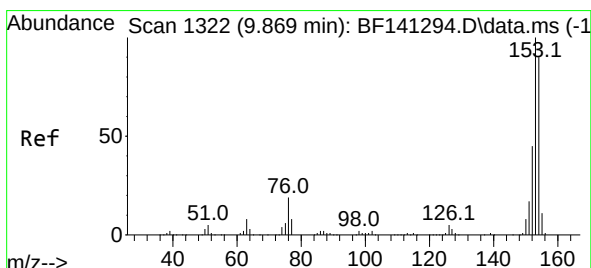
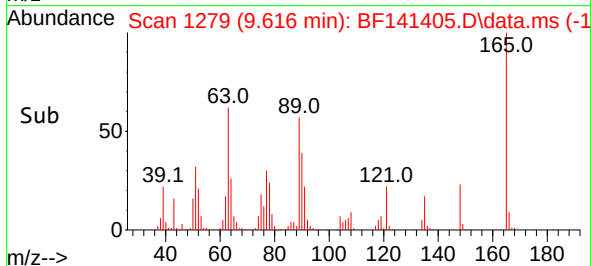
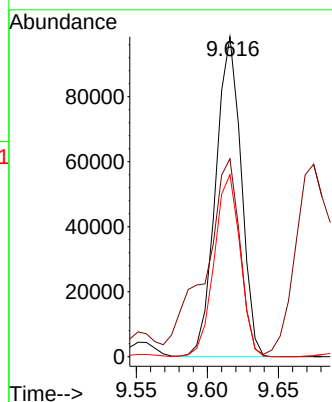
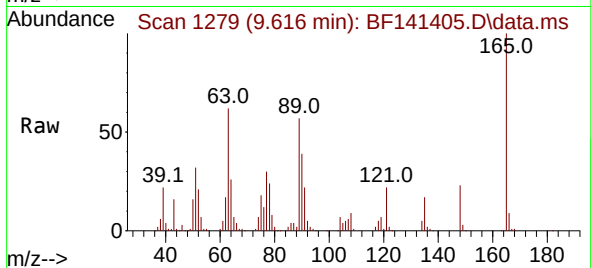
Tgt Ion:165 Resp: 122811

Ion Ratio Lower Upper

165 100

63 61.9 48.1 72.1

89 56.9 44.9 67.3



#52

Acenaphthene

Concen: 41.829 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

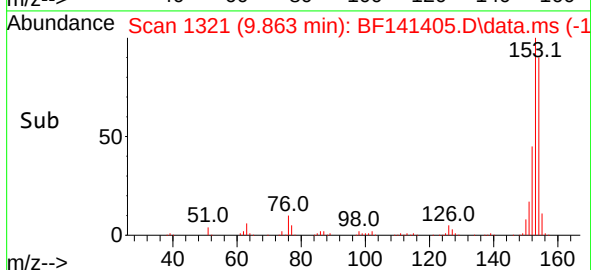
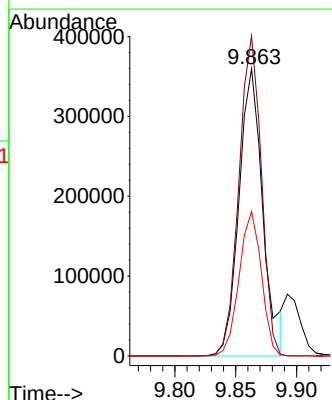
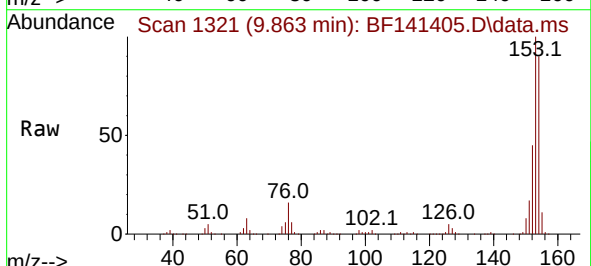
Tgt Ion:154 Resp: 488816

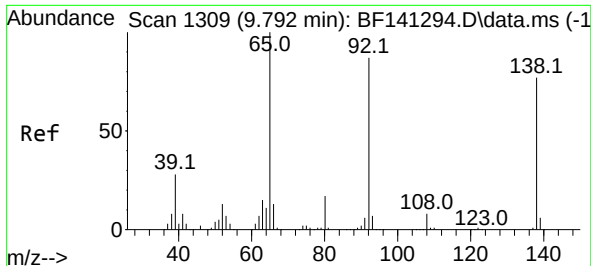
Ion Ratio Lower Upper

154 100

153 111.4 89.0 133.4

152 50.3 40.2 60.4

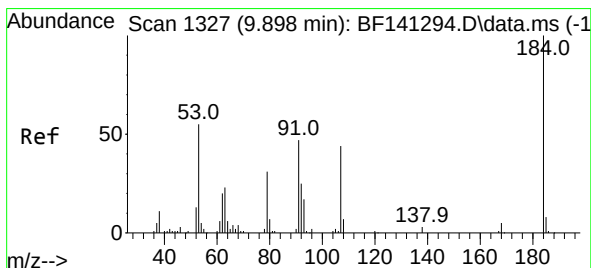
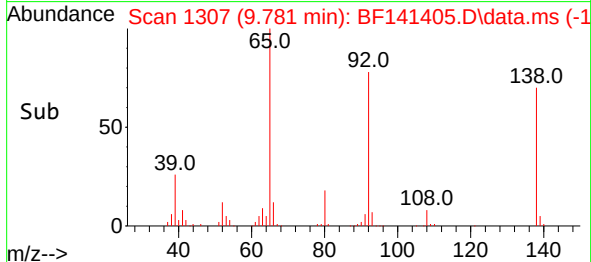
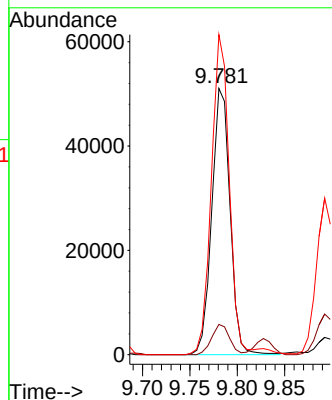
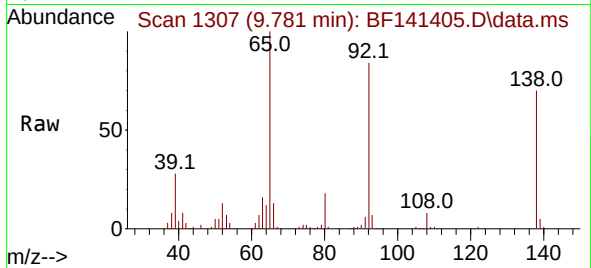




#53
3-Nitroaniline
Concen: 23.152 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

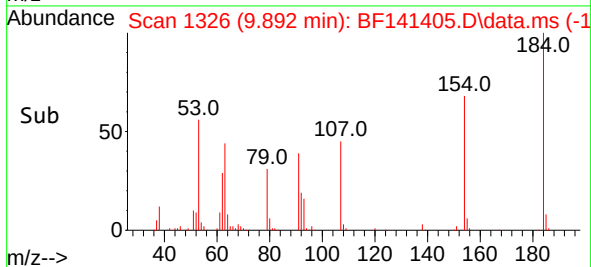
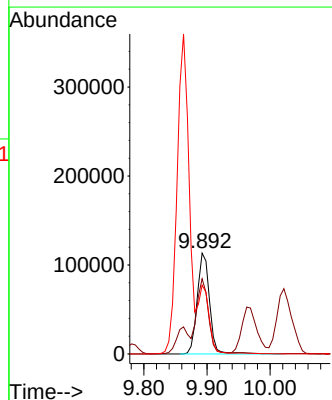
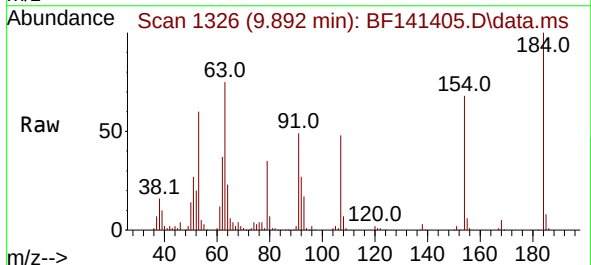
Instrument :
BNA_F
ClientSampleId :
PB166360BS

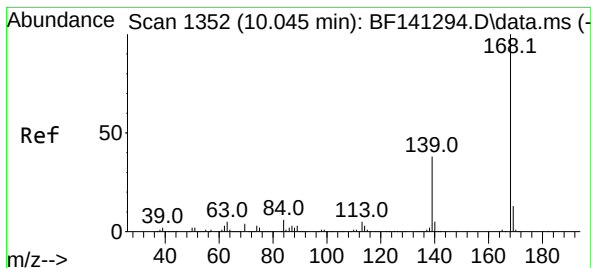
Tgt Ion:138 Resp: 68407
Ion Ratio Lower Upper
138 100
108 11.4 8.6 12.8
92 120.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 110.036 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:184 Resp: 154202
Ion Ratio Lower Upper
184 100
63 74.7 54.1 81.1
154 68.3 50.7 76.1





#55

Dibenzenofuran

Concen: 42.889 ng

RT: 10.034 min Scan# 1350

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

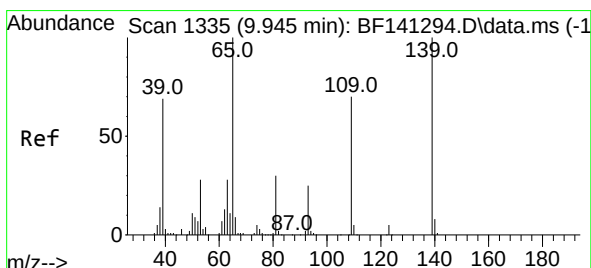
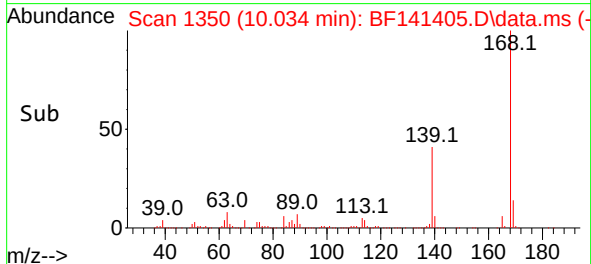
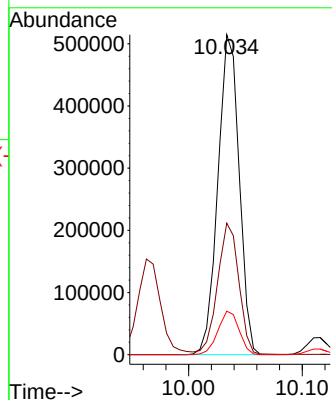
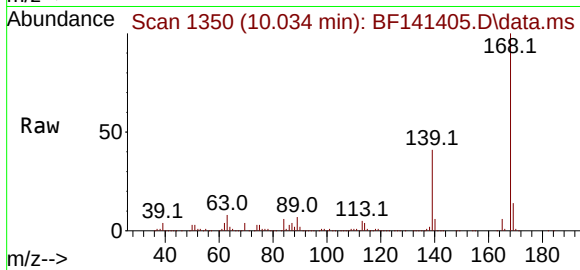
Tgt Ion:168 Resp: 670888

Ion Ratio Lower Upper

168 100

139 41.1 30.6 46.0

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 100.375 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

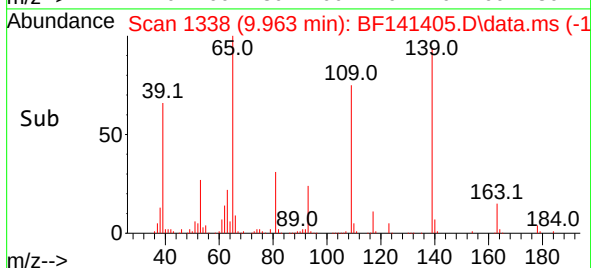
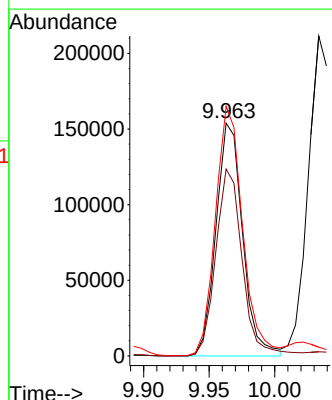
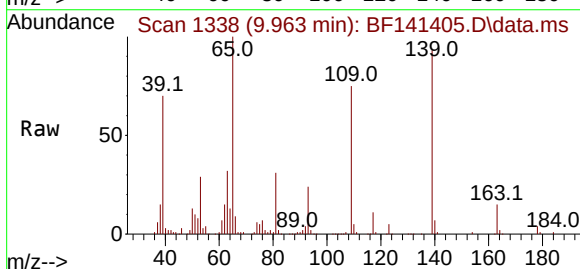
Tgt Ion:139 Resp: 216899

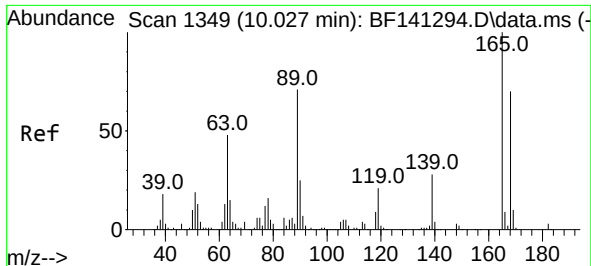
Ion Ratio Lower Upper

139 100

109 80.3 50.2 90.2

65 107.2 80.6 120.6





#57

2,4-Dinitrotoluene

Concen: 44.078 ng

RT: 10.022 min Scan# 1409

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion:165 Resp: 172043

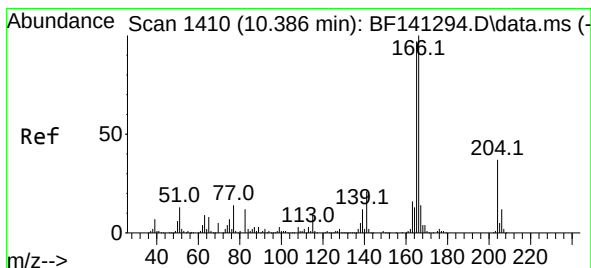
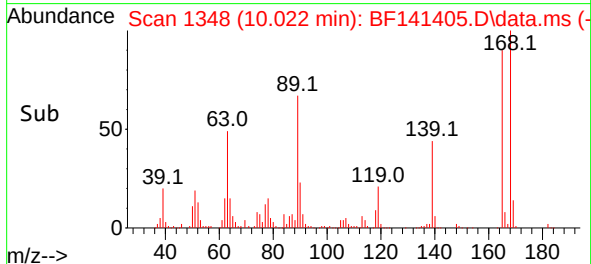
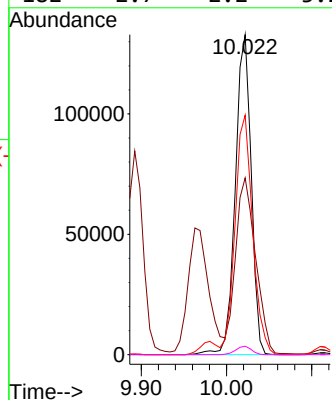
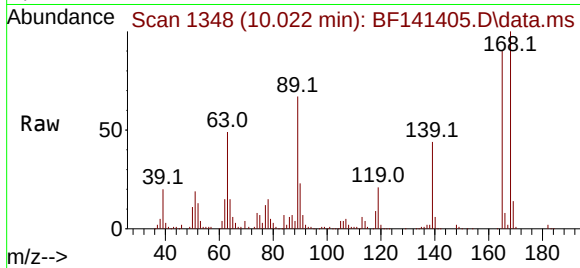
Ion Ratio Lower Upper

165 100

63 55.2 39.2 58.8

89 74.8 56.9 85.3

182 2.7 2.2 3.2



#58

Fluorene

Concen: 43.624 ng

RT: 10.381 min Scan# 1409

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

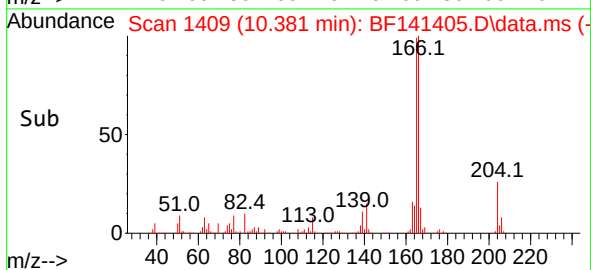
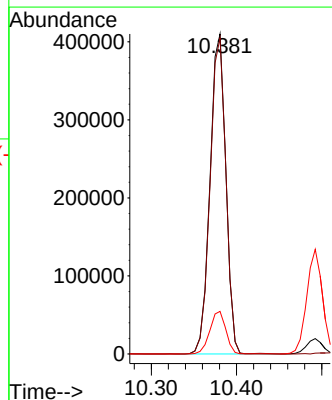
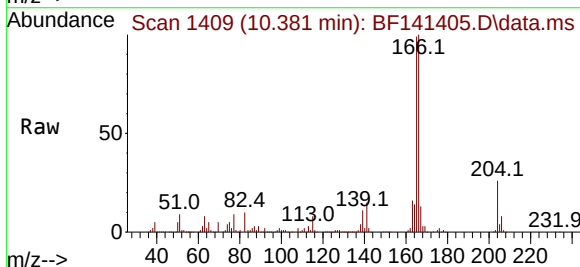
Tgt Ion:166 Resp: 529308

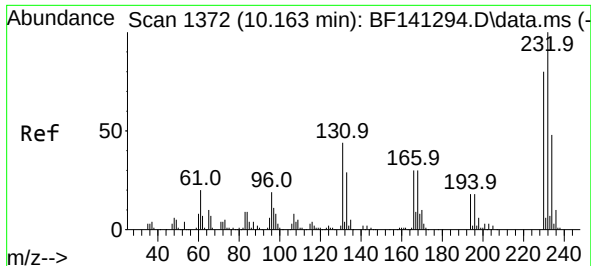
Ion Ratio Lower Upper

166 100

165 98.7 77.5 116.3

167 13.3 10.9 16.3

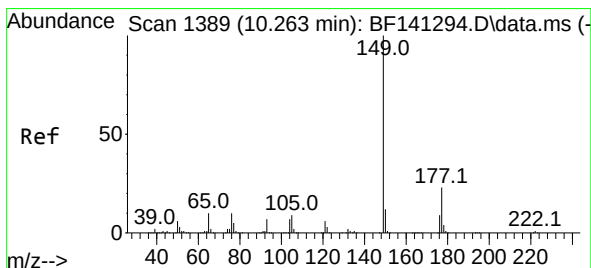
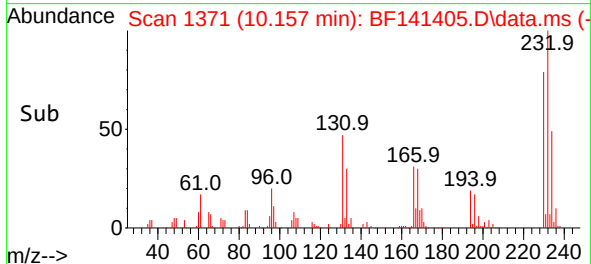
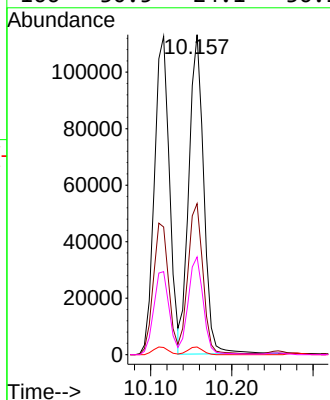
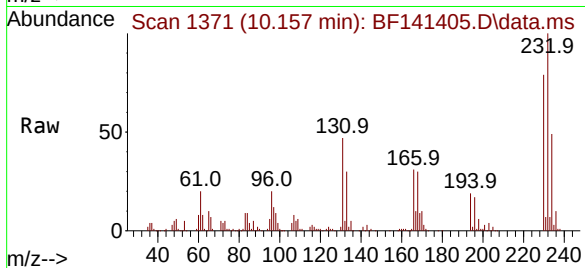




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.020 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

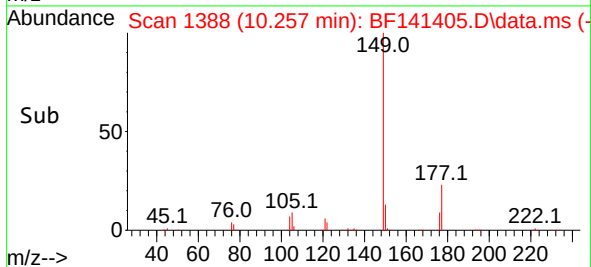
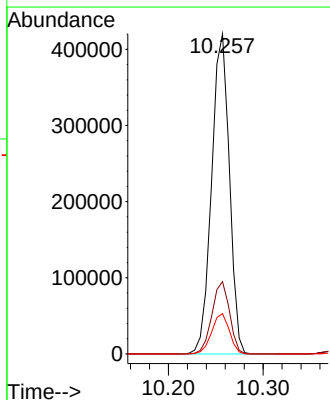
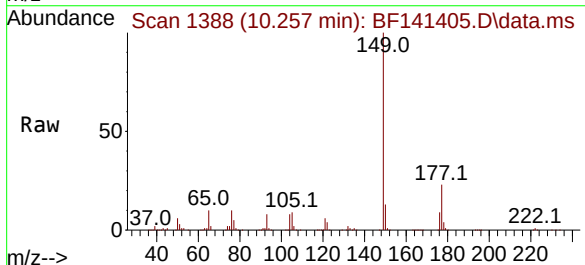
Instrument :
BNA_F
ClientSampleId :
PB166360BS

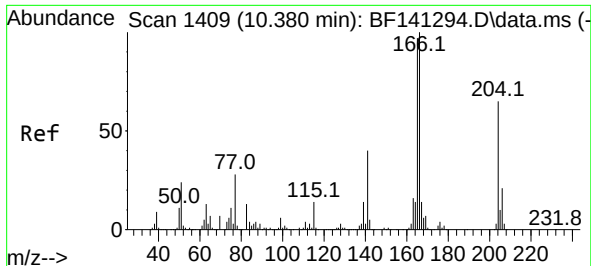
Tgt Ion:232 Resp: 144118
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.4 1.9 2.9
166 30.5 24.1 36.1



#60
Diethylphthalate
Concen: 43.426 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 546694
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.6 10.0 15.0

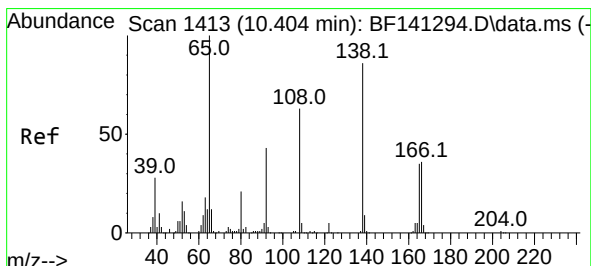
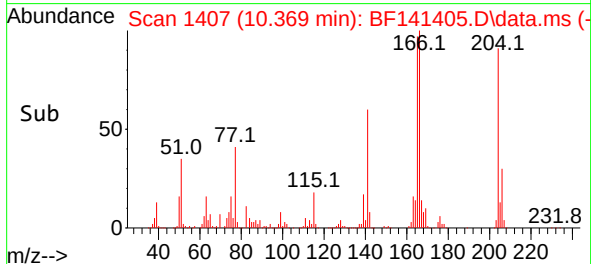
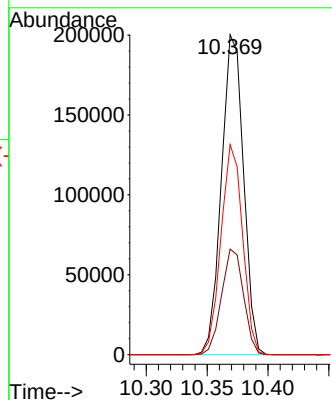
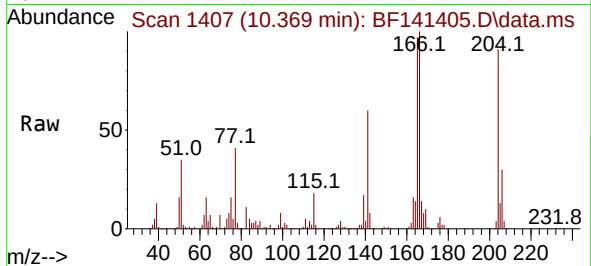




#61
4-Chlorophenyl-phenylether
Concen: 42.731 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

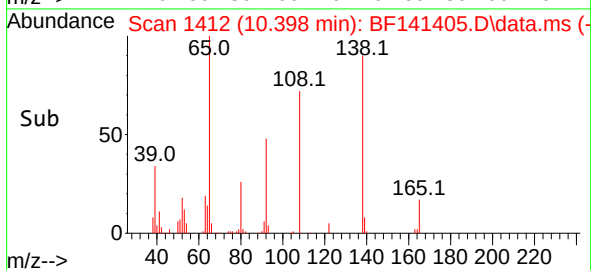
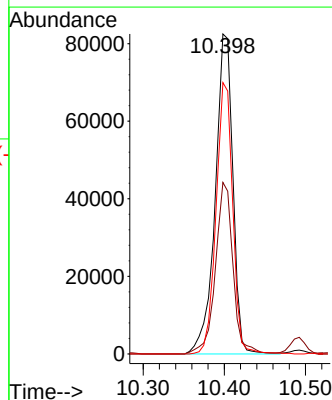
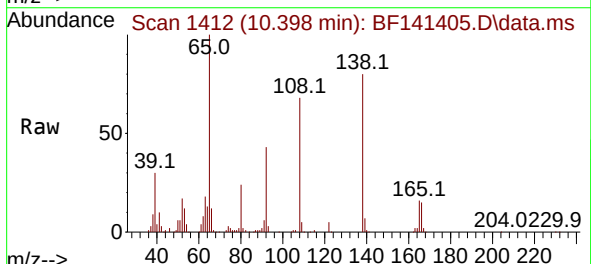
Instrument :
BNA_F
ClientSampleId :
PB166360BS

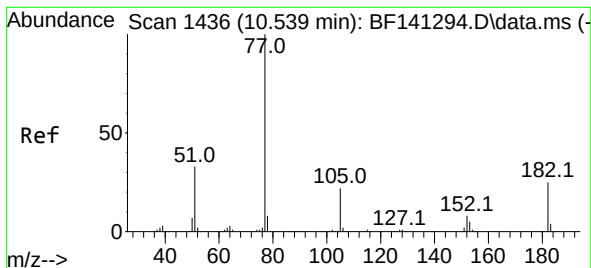
Tgt Ion:204 Resp: 253263
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 65.7 49.5 74.3



#62
4-Nitroaniline
Concen: 43.079 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:138 Resp: 125138
Ion Ratio Lower Upper
138 100
92 53.6 30.1 70.1
108 84.8 53.1 93.1





#63

Azobenzene

Concen: 42.436 ng

RT: 10.533 min Scan# 1435

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

Tgt Ion: 77 Resp: 534762

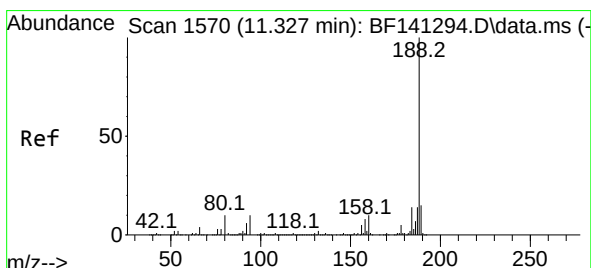
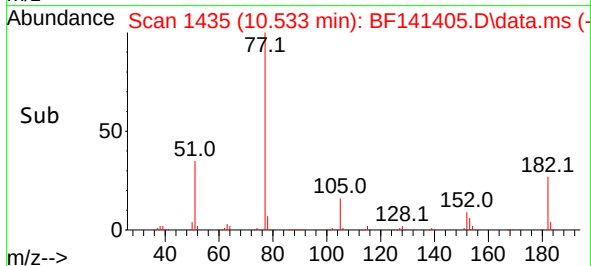
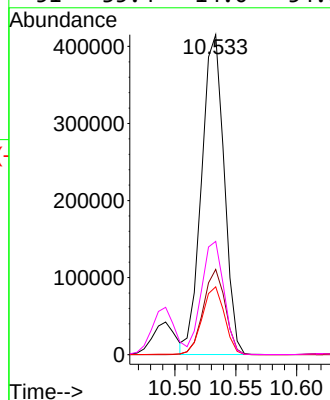
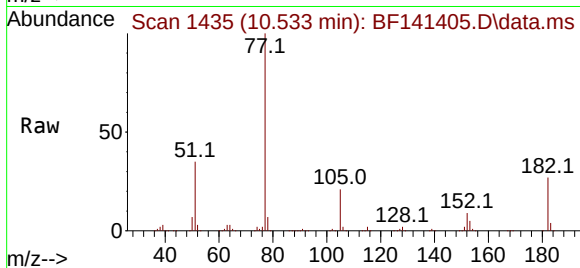
Ion Ratio Lower Upper

77 100

182 26.7 5.1 45.1

105 21.2 1.8 41.8

51 35.4 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

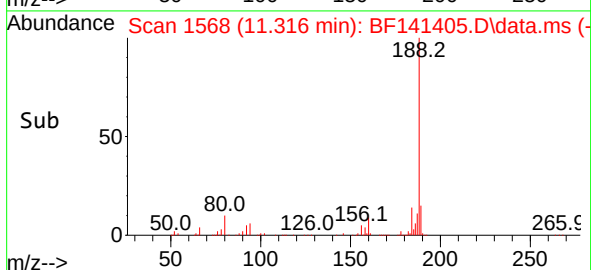
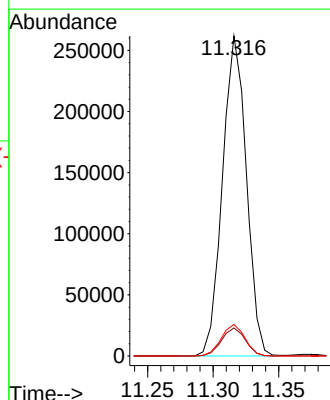
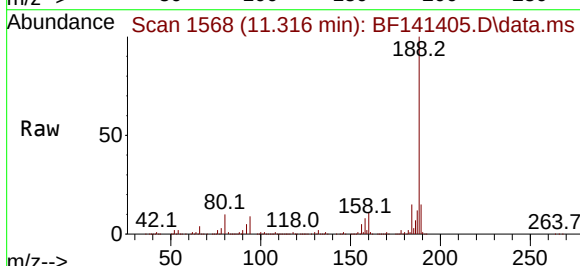
Tgt Ion: 188 Resp: 331523

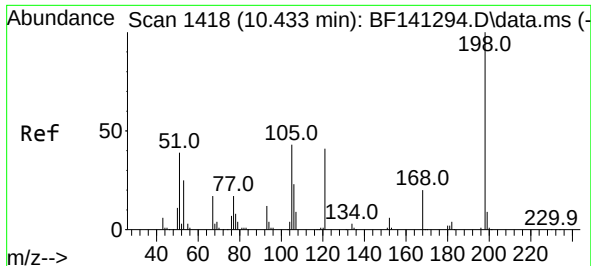
Ion Ratio Lower Upper

188 100

94 8.8 7.8 11.6

80 9.9 8.2 12.4

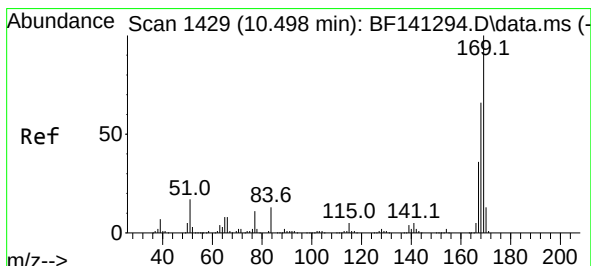
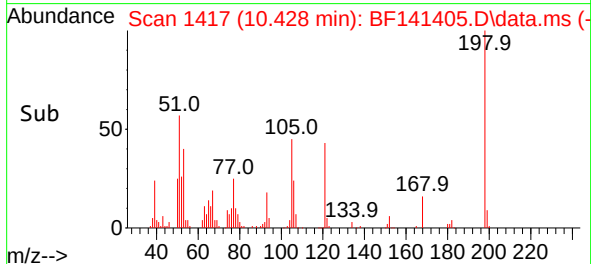
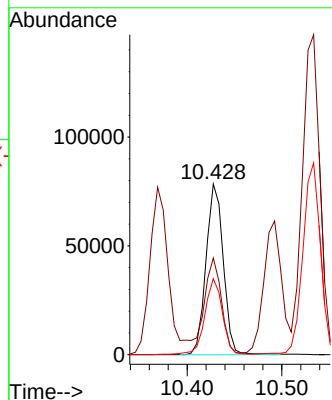
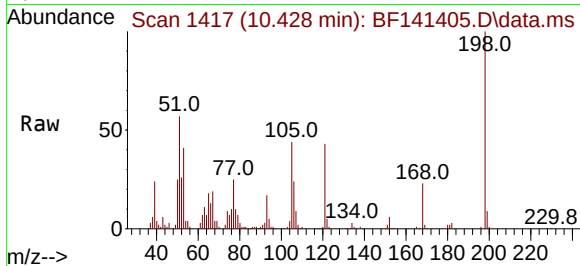




#65
4,6-Dinitro-2-methylphenol
Concen: 50.537 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

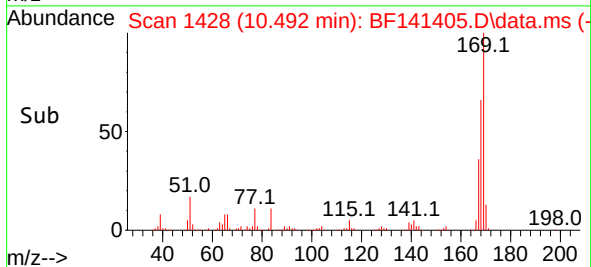
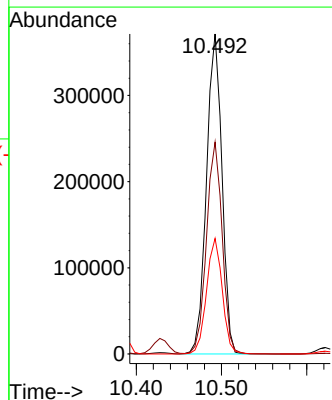
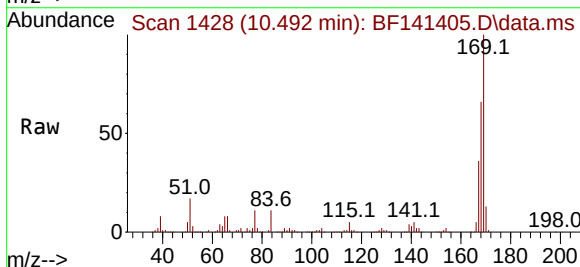
Instrument :
BNA_F
ClientSampleId :
PB166360BS

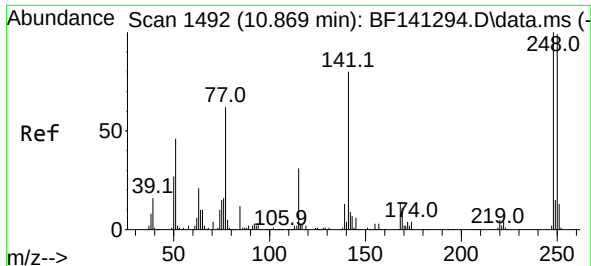
Tgt Ion:198 Resp: 99101
Ion Ratio Lower Upper
198 100
51 56.6 33.4 73.4
105 44.5 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 43.605 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:169 Resp: 467566
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.1 28.8 43.2

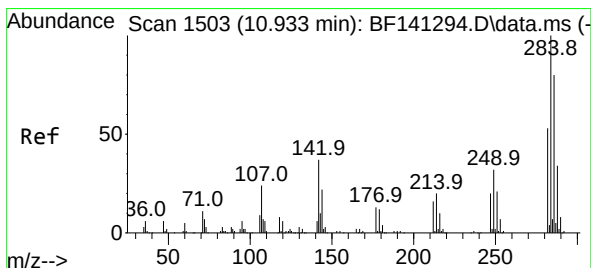
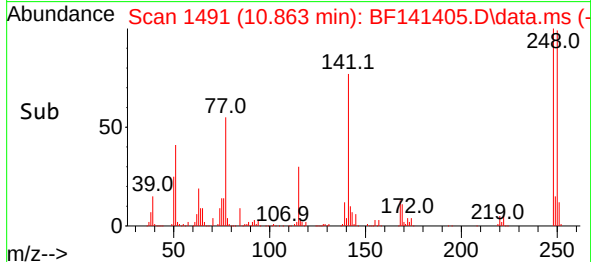
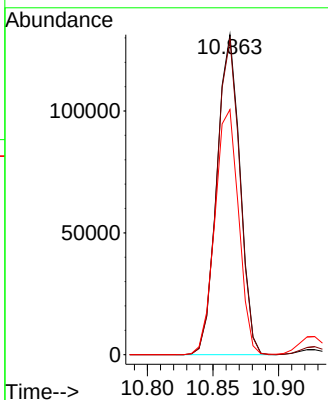
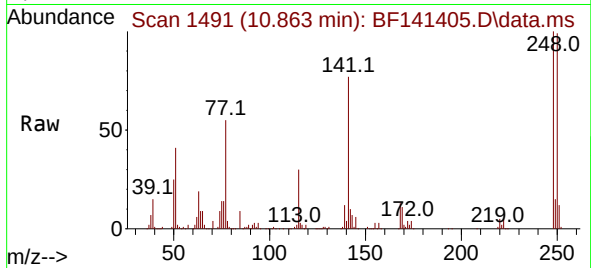




#67
4-Bromophenyl-phenylether
Concen: 43.292 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

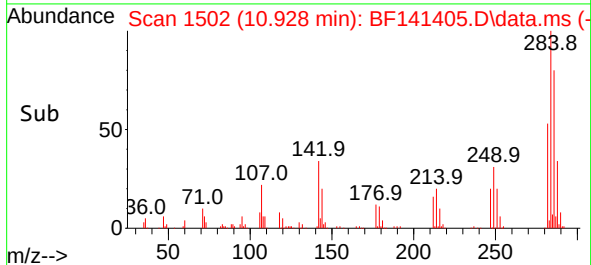
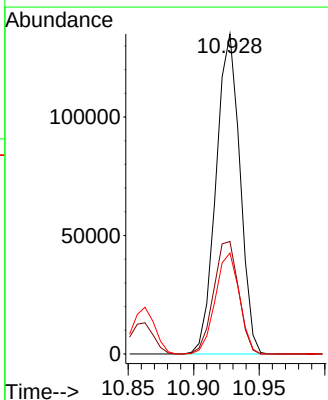
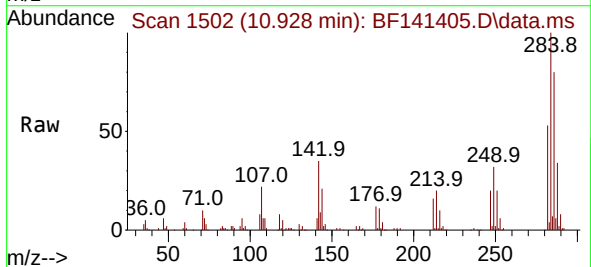
Instrument :
BNA_F
ClientSampleId :
PB166360BS

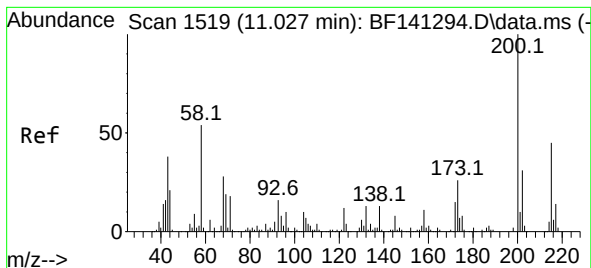
Tgt Ion:248 Resp: 160678
Ion Ratio Lower Upper
248 100
250 98.5 79.0 118.4
141 76.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 43.467 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:284 Resp: 171129
Ion Ratio Lower Upper
284 100
142 35.2 29.5 44.3
249 31.6 25.4 38.2





#69

Atrazine

Concen: 51.270 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

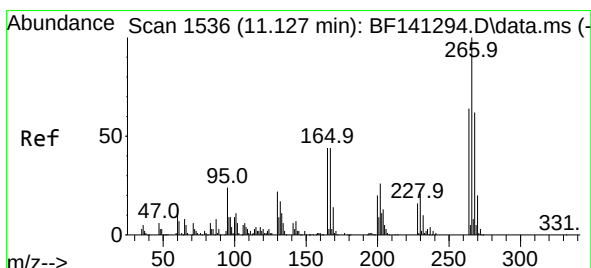
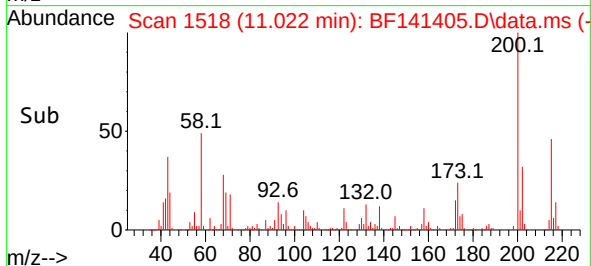
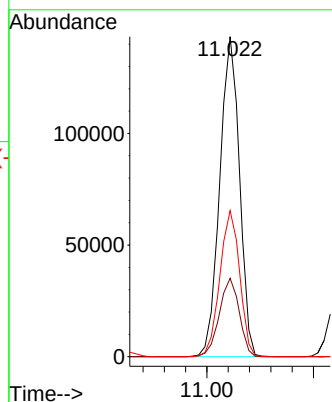
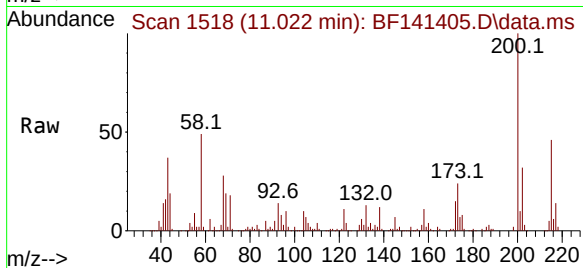
Tgt Ion:200 Resp: 183809

Ion Ratio Lower Upper

200 100

173 24.5 5.9 45.9

215 45.6 25.2 65.2



#70

Pentachlorophenol

Concen: 96.208 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

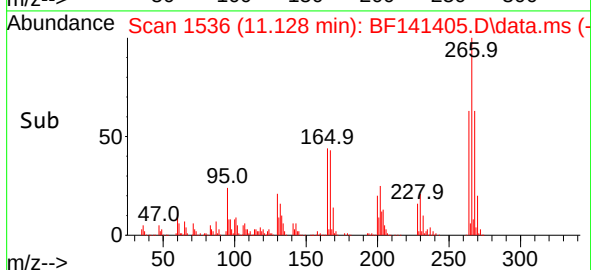
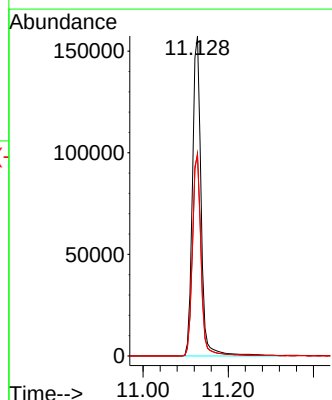
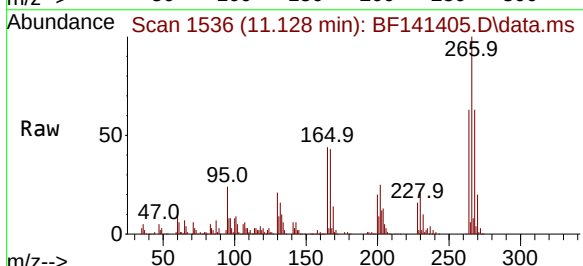
Tgt Ion:266 Resp: 221801

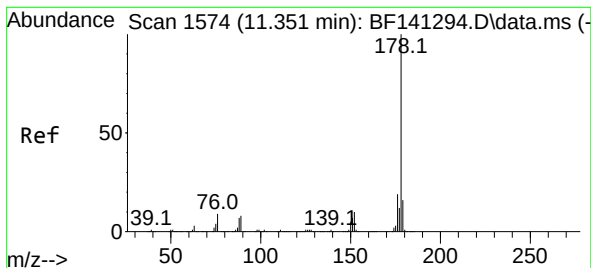
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

264 62.9 51.0 76.4





#71

Phenanthrene

Concen: 45.014 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

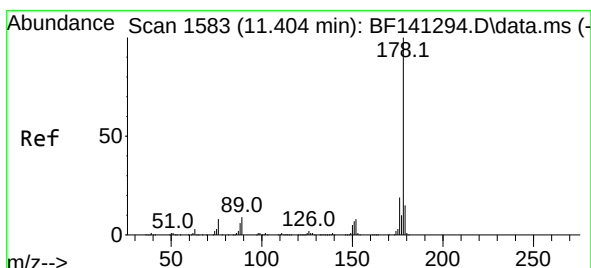
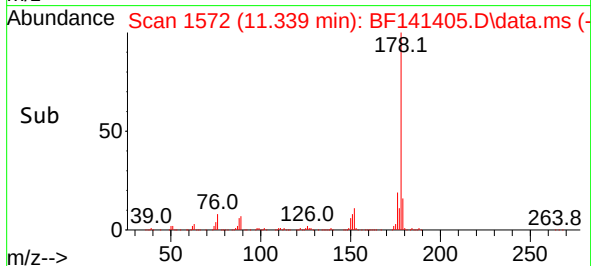
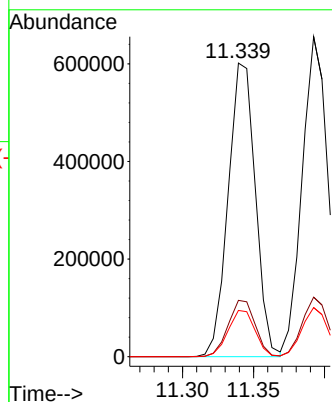
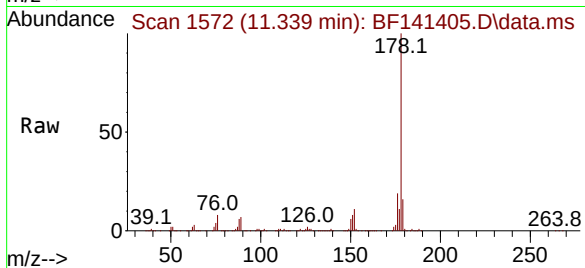
Tgt Ion:178 Resp: 802178

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.8 12.5 18.7



#72

Anthracene

Concen: 47.129 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

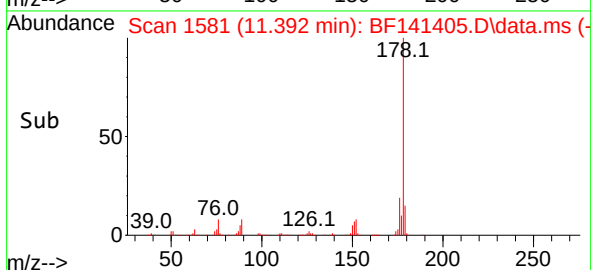
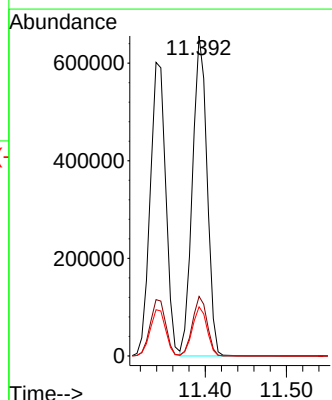
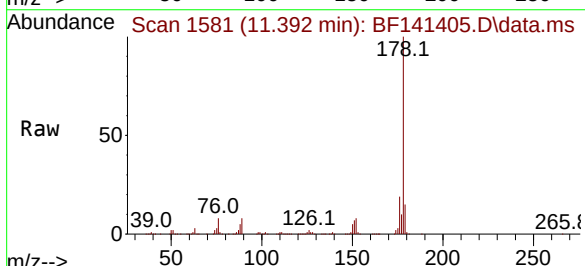
Tgt Ion:178 Resp: 822918

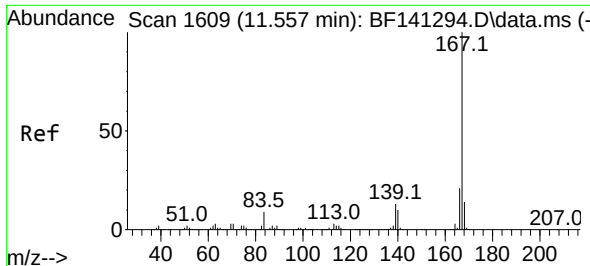
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.3 12.3 18.5

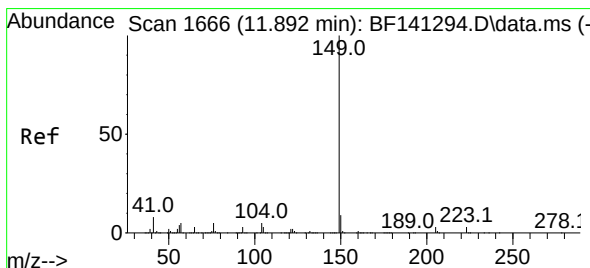
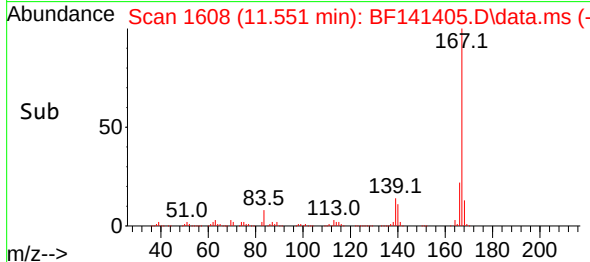
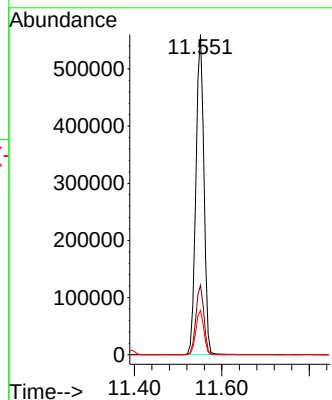
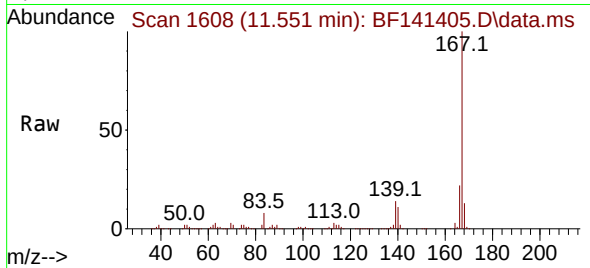




#73
 Carbazole
 Concen: 46.259 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

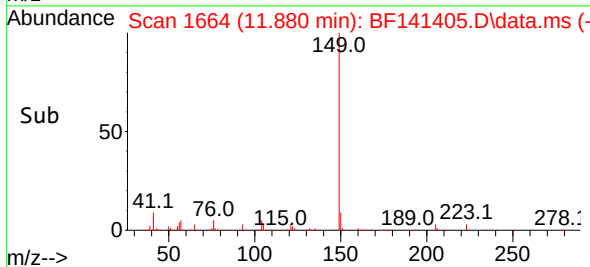
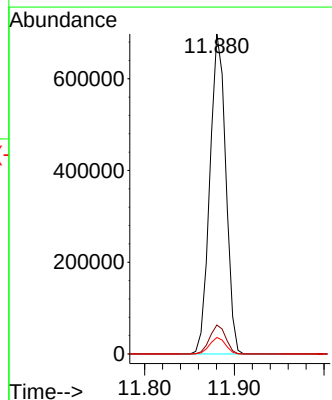
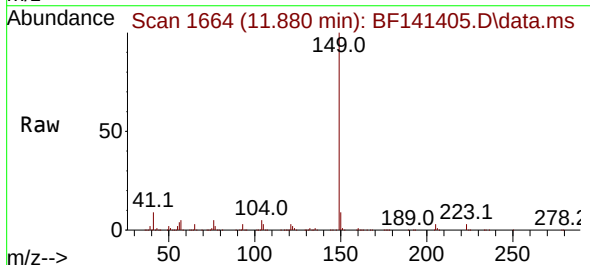
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

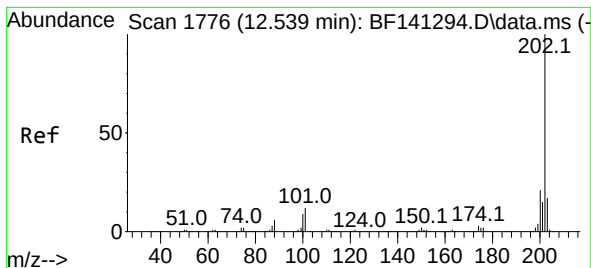
Tgt Ion:167 Resp: 716227
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.9 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 45.981 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 862780
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 49.085 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

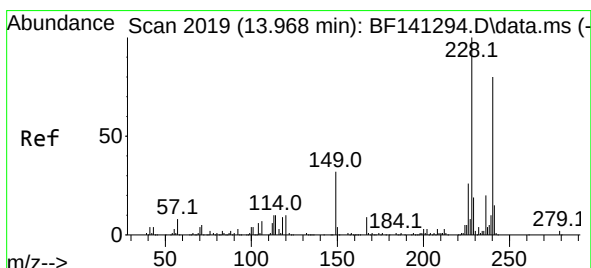
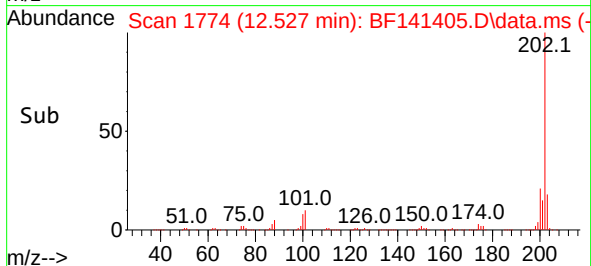
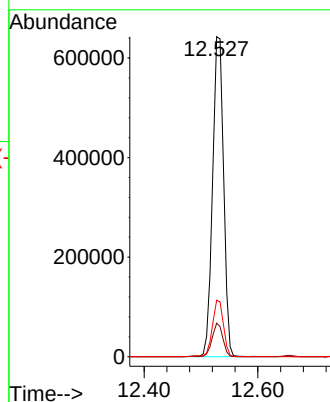
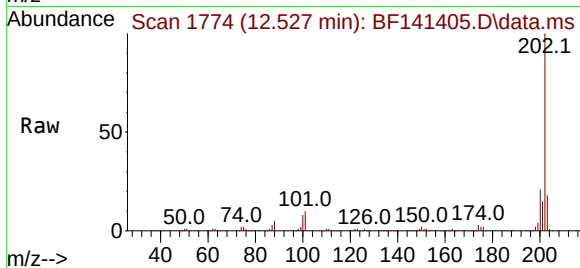
Tgt Ion:202 Resp: 863695

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.7

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

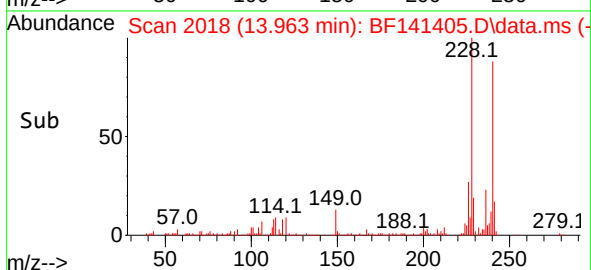
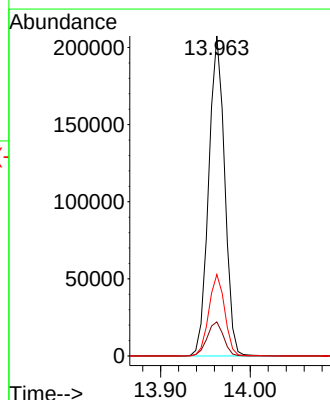
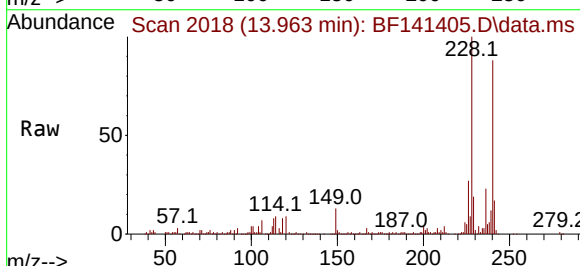
Tgt Ion:240 Resp: 256577

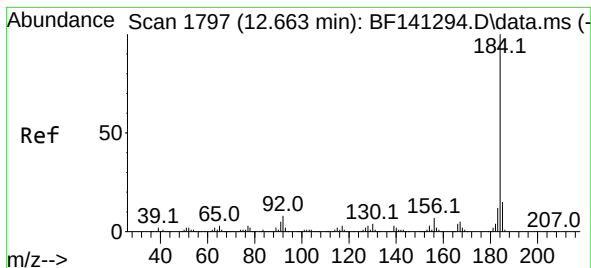
Ion Ratio Lower Upper

240 100

120 10.6 10.0 15.0

236 25.4 19.7 29.5





#77

Benzidine

Concen: 49.964 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

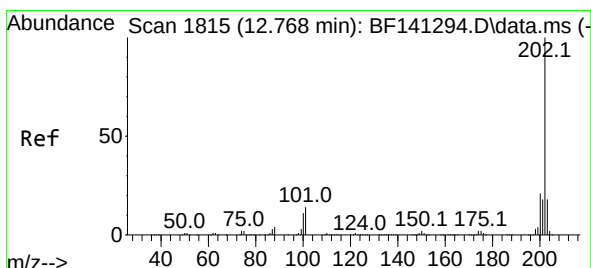
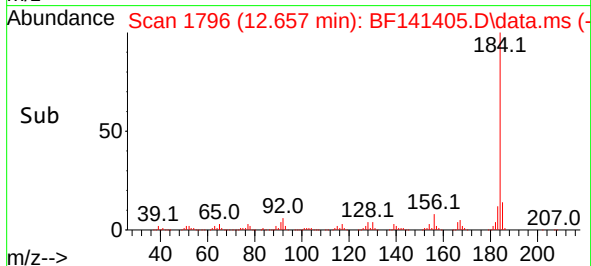
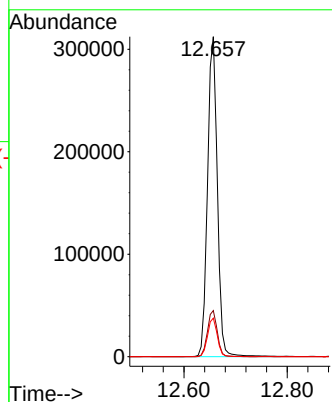
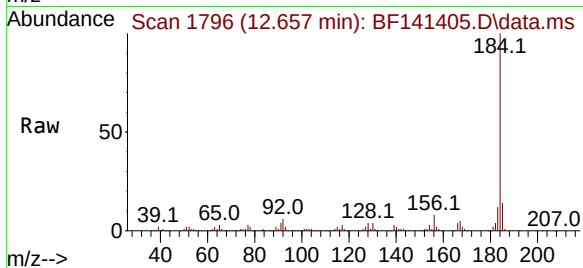
Tgt Ion:184 Resp: 410980

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

183 12.1 9.5 14.3



#78

Pyrene

Concen: 35.777 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

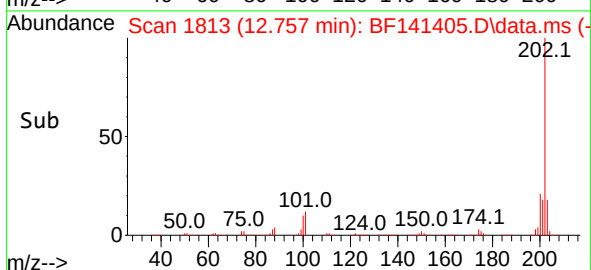
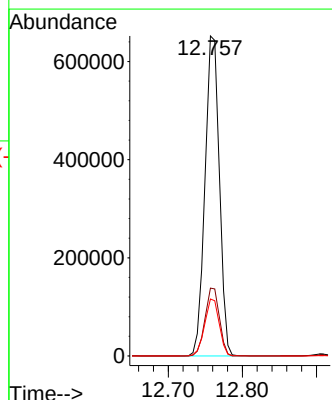
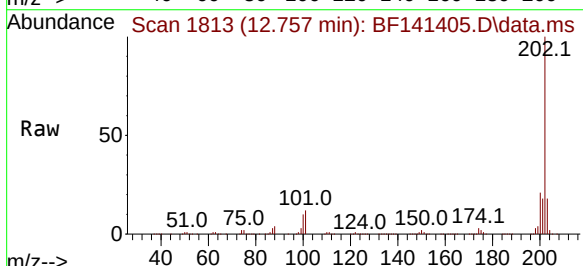
Tgt Ion:202 Resp: 881155

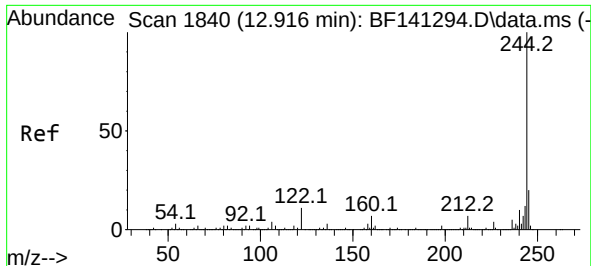
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.8 14.3 21.5

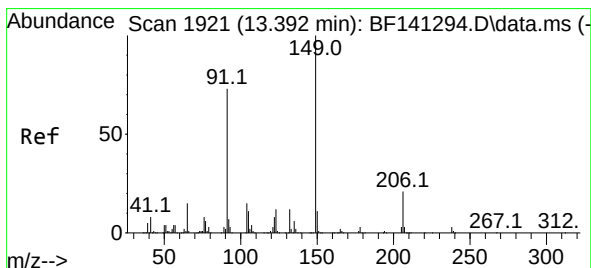
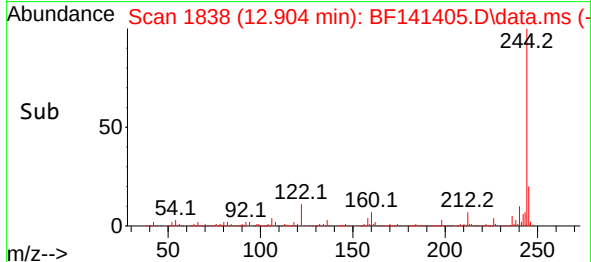
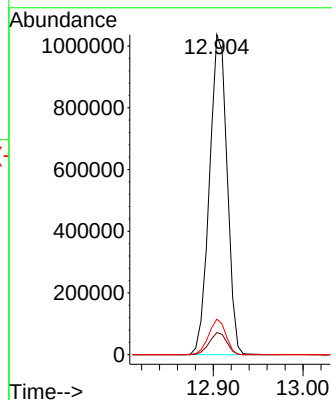
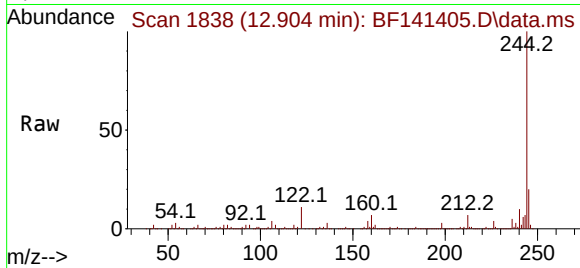




#79
 Terphenyl-d14
 Concen: 85.114 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

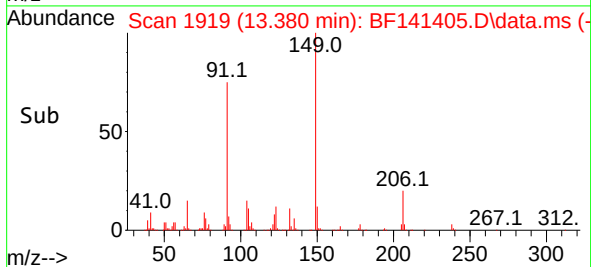
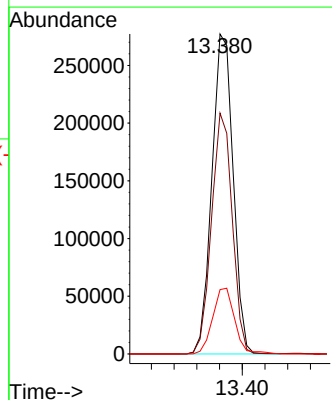
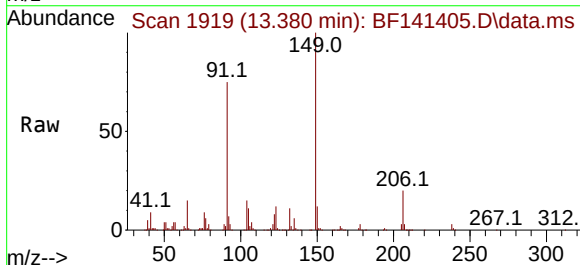
Instrument :
 BNA_F
 ClientSampleId :
 PB166360BS

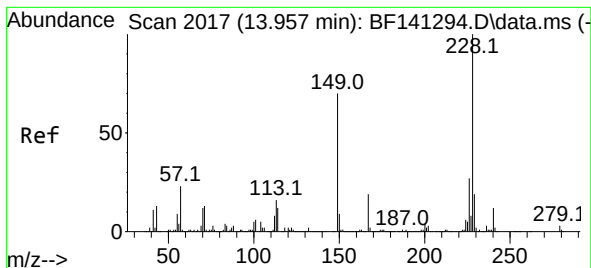
Tgt Ion:244 Resp: 1416066
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.1 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 41.853 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141405.D
 Acq: 04 Feb 2025 13:47

Tgt Ion:149 Resp: 360119
 Ion Ratio Lower Upper
 149 100
 91 75.2 58.6 87.8
 206 20.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 40.491 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

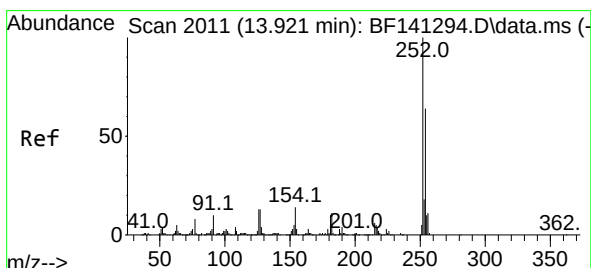
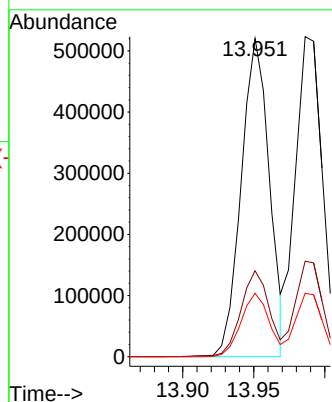
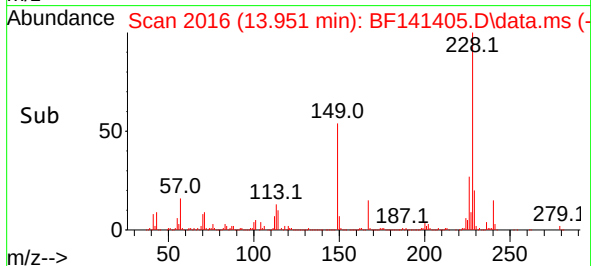
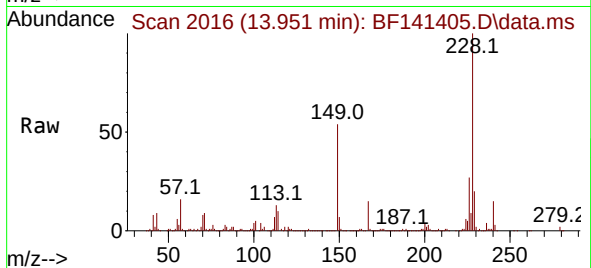
Tgt Ion:228 Resp: 716906

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

229 19.9 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 20.593 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

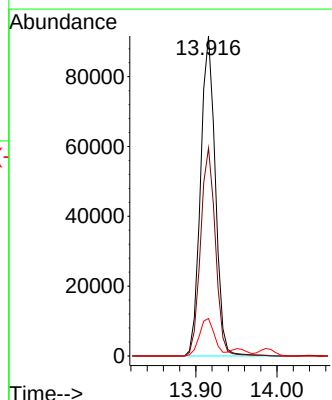
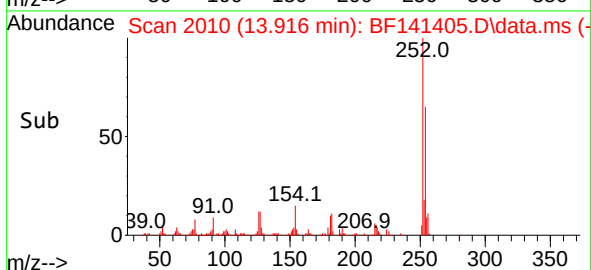
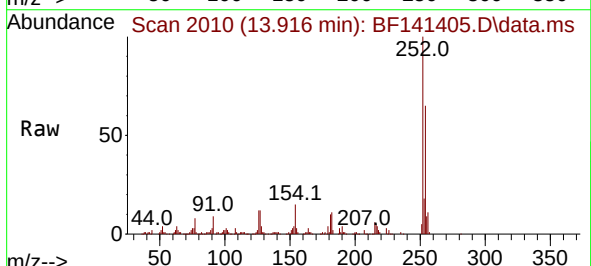
Tgt Ion:252 Resp: 115963

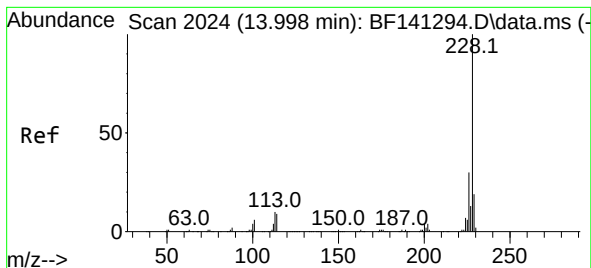
Ion Ratio Lower Upper

252 100

254 65.0 51.3 76.9

126 11.7 10.0 15.0





#83

Chrysene

Concen: 42.465 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

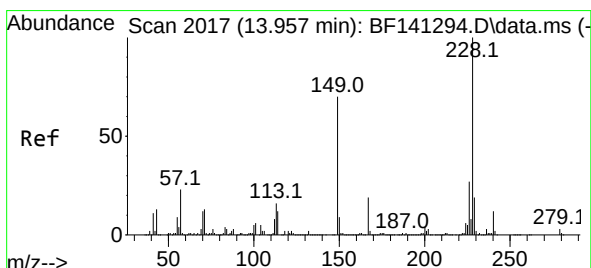
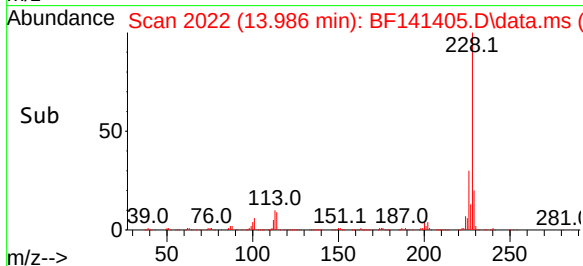
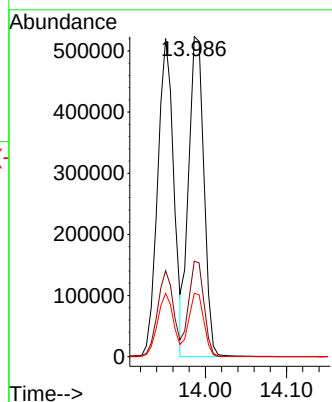
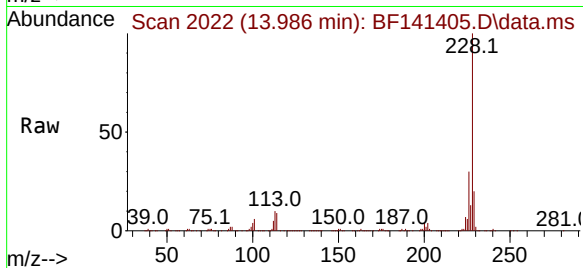
Tgt Ion:228 Resp: 689060

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.032 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

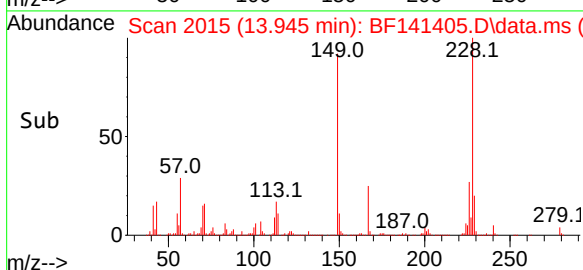
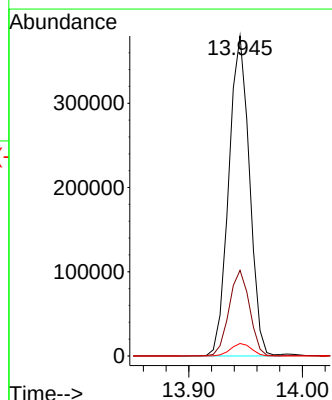
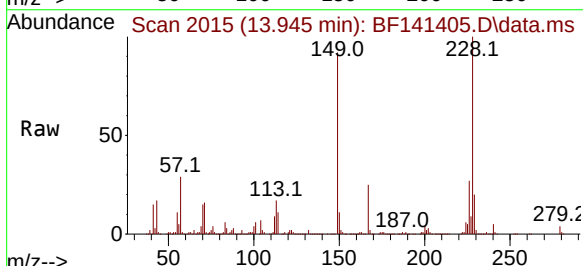
Tgt Ion:149 Resp: 480602

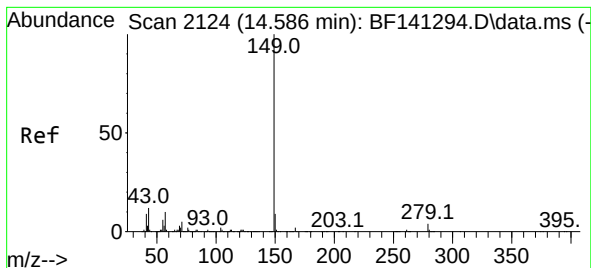
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 44.271 ng

RT: 14.569 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB166360BS

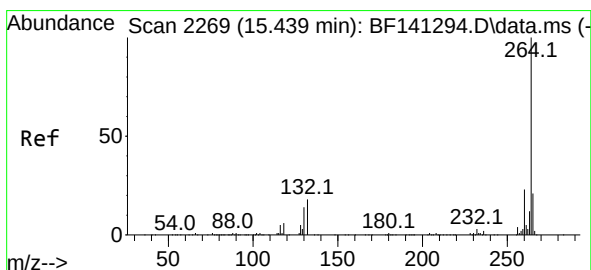
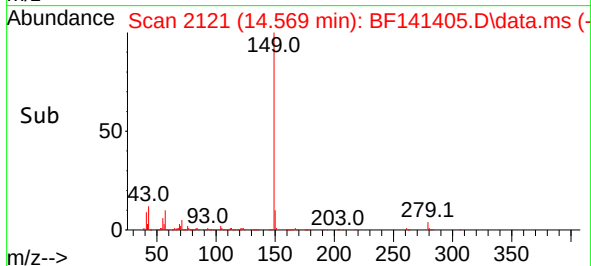
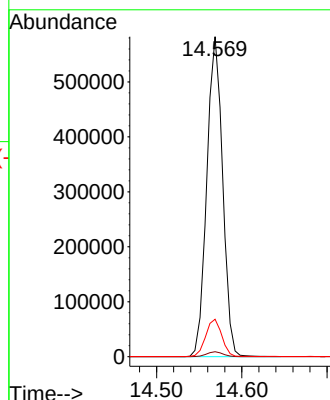
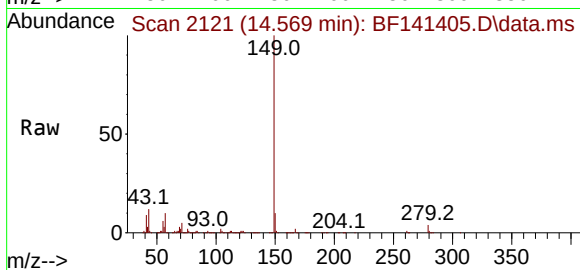
Tgt Ion:149 Resp: 750526

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.8 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141405.D

Acq: 04 Feb 2025 13:47

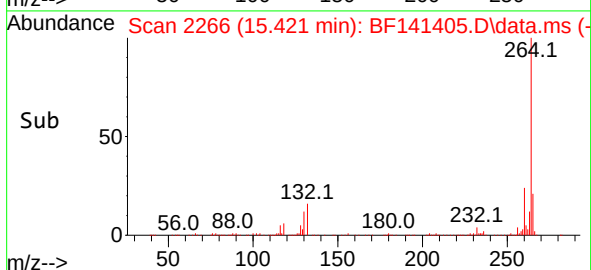
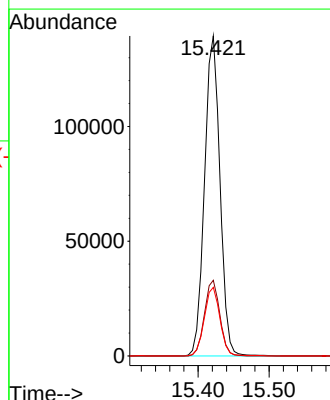
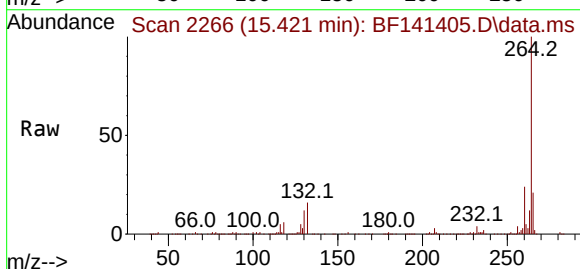
Tgt Ion:264 Resp: 210910

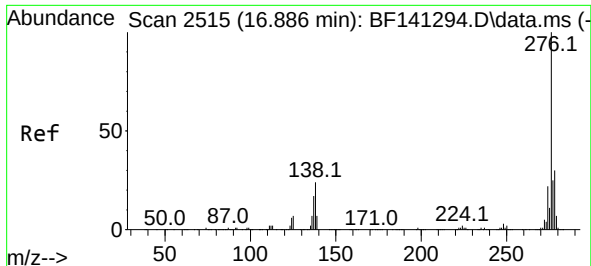
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 16.7 25.1

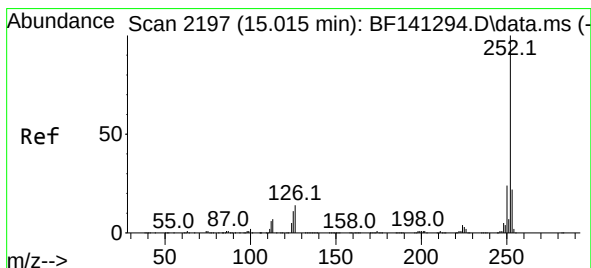
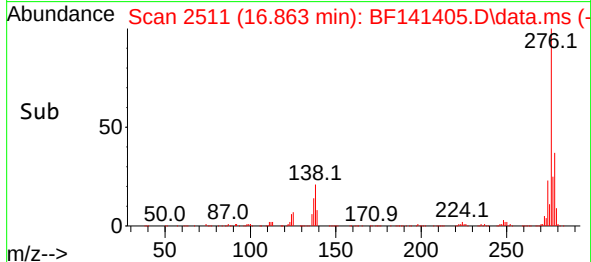
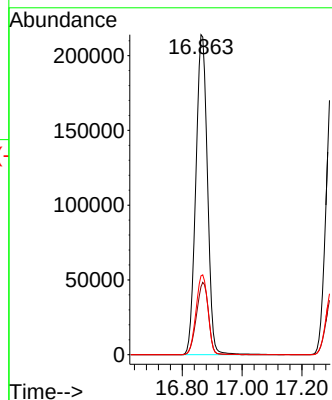
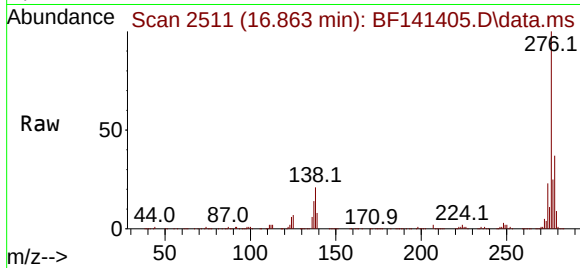




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.245 ng
RT: 16.863 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

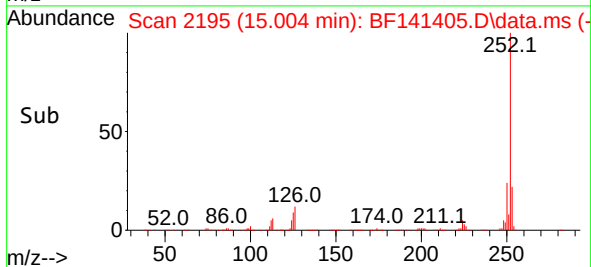
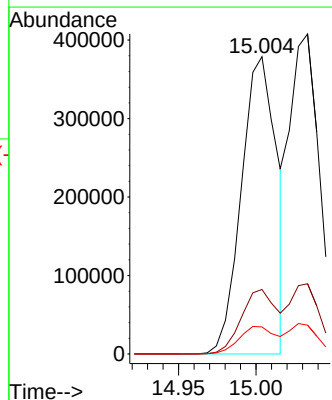
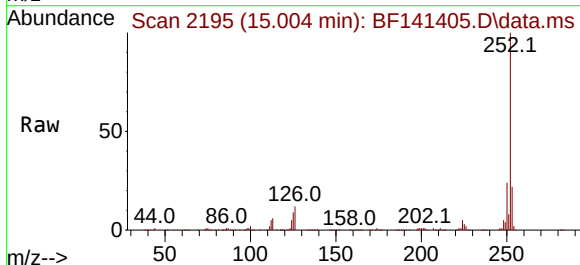
Instrument :
BNA_F
ClientSampleId :
PB166360BS

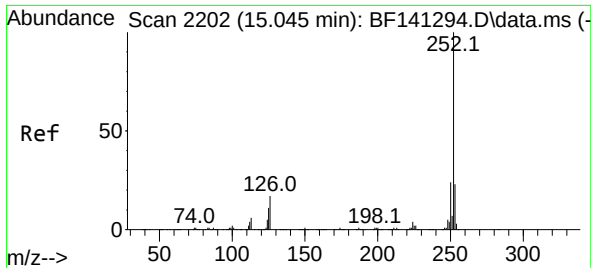
Tgt Ion:276 Resp: 575069
Ion Ratio Lower Upper
276 100
138 23.2 21.7 32.5
277 25.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 45.076 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:252 Resp: 598008
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 9.1 8.6 12.8

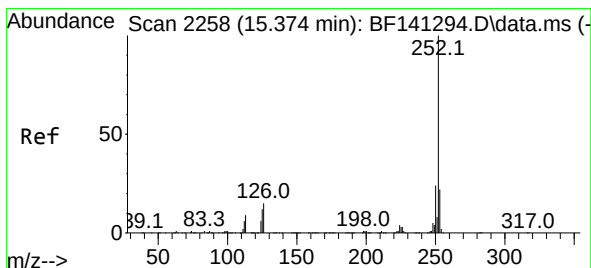
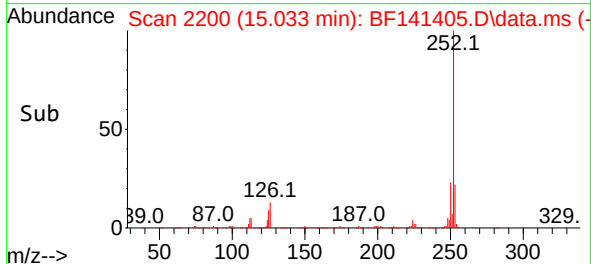
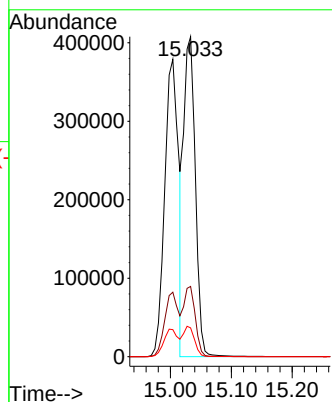
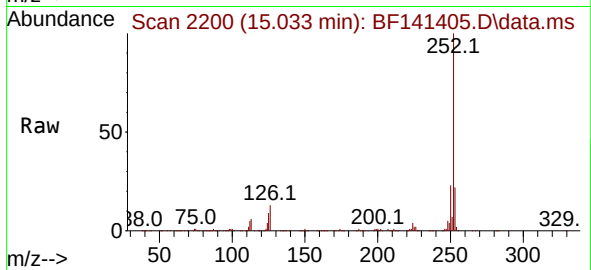




#89
Benzo(k)fluoranthene
Concen: 46.408 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

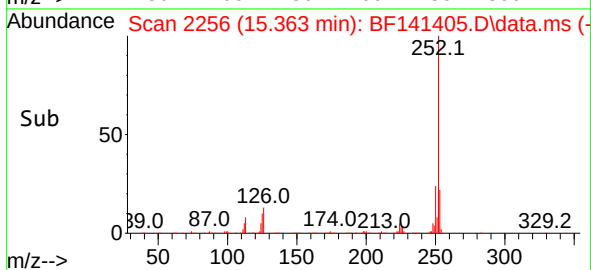
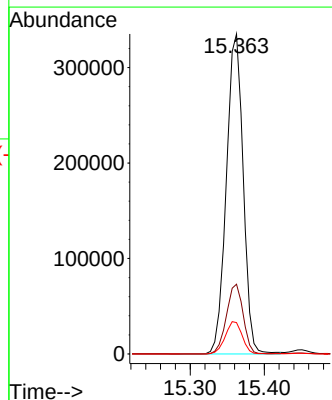
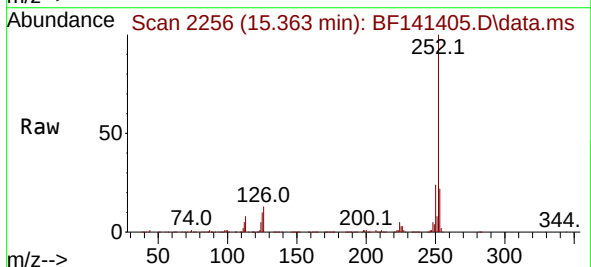
Instrument :
BNA_F
ClientSampleId :
PB166360BS

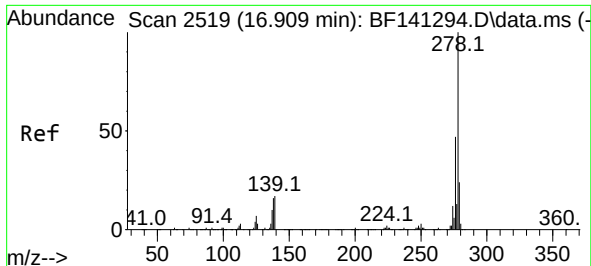
Tgt Ion:252 Resp: 545420
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.0 8.4 12.6



#90
Benzo(a)pyrene
Concen: 47.160 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:252 Resp: 528708
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 9.8 9.4 14.2

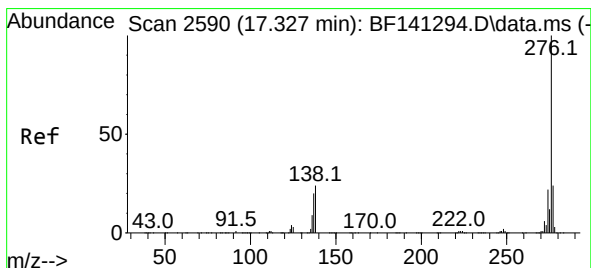
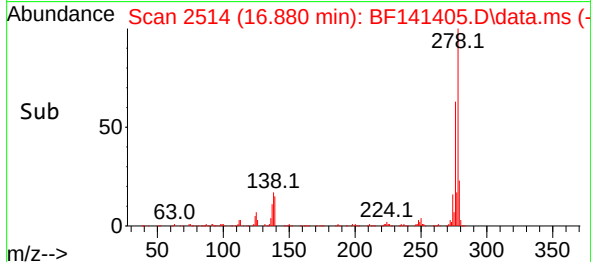
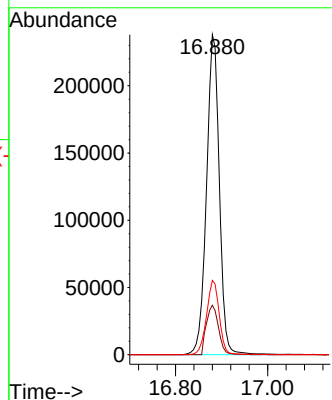
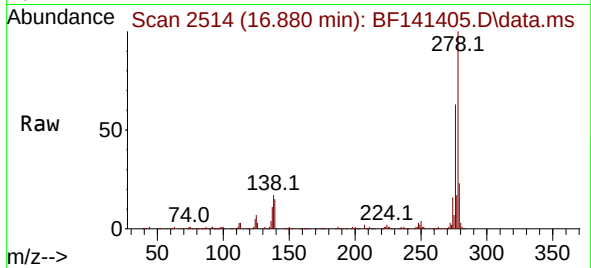




#91
Dibenzo(a,h)anthracene
Concen: 42.293 ng
RT: 16.880 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB166360BS

Tgt Ion:278 Resp: 463193
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.2 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 38.340 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141405.D
Acq: 04 Feb 2025 13:47

Tgt Ion:276 Resp: 436604
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 20.4 19.0 28.4

