

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141208.D
 Acq On : 17 Jan 2025 22:04
 Operator : RC/JU
 Sample : Q1115-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Quant Time: Jan 17 23:13:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	211037	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	815596	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	399988	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	540969	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	394660	20.000	ng	-0.01
86) Perylene-d12	15.421	264	327550	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1283896	93.982	ng	0.00
7) Phenol-d6	6.445	99	1620847	93.665	ng	0.00
23) Nitrobenzene-d5	7.375	82	1036271	67.351	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	417630	91.634	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	1761458	67.248	ng	-0.01
79) Terphenyl-d14	12.916	244	1326218	49.946	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	215987	35.504	ng	98
3) Pyridine	3.357	79	487425	32.673	ng	96
4) n-Nitrosodimethylamine	3.304	42	291676	39.986	ng	98
6) Aniline	6.475	93	230863	15.027	ng	# 48
8) 2-Chlorophenol	6.598	128	618150	42.175	ng	97
9) Benzaldehyde	6.357	77	75287	7.387	ng	98
10) Phenol	6.463	94	720887	38.916	ng	94
11) bis(2-Chloroethyl)ether	6.551	93	567653	41.119	ng	96
12) 1,3-Dichlorobenzene	6.751	146	641543	39.246	ng	99
13) 1,4-Dichlorobenzene	6.828	146	648415	39.363	ng	99
14) 1,2-Dichlorobenzene	6.981	146	619260	40.301	ng	99
15) Benzyl Alcohol	6.957	79	535521	42.852	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.086	45	764341	39.677	ng	89
17) 2-Methylphenol	7.069	107	489686	41.383	ng	98
18) Hexachloroethane	7.328	117	237413	39.854	ng	96
19) n-Nitroso-di-n-propyla...	7.234	70	416064	40.816	ng	96
20) 3+4-Methylphenols	7.222	107	605387	40.552	ng	# 82
22) Acetophenone	7.222	105	794801	40.993	ng	# 94
24) Nitrobenzene	7.398	77	628463	39.192	ng	98
25) Isophorone	7.634	82	1119986	42.594	ng	100
26) 2-Nitrophenol	7.710	139	322054	44.151	ng	97
27) 2,4-Dimethylphenol	7.751	122	489755	49.777	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	687291	41.650	ng	100
29) 2,4-Dichlorophenol	7.951	162	489179	41.862	ng	99
30) 1,2,4-Trichlorobenzene	8.033	180	527608	39.501	ng	99
31) Naphthalene	8.116	128	1722754	40.054	ng	100
32) Benzoic acid	7.869	122	377779	40.026	ng	98
33) 4-Chloroaniline	8.163	127	79155	5.321	ng	99
34) Hexachlorobutadiene	8.233	225	327184	40.652	ng	100
35) Caprolactam	8.539	113	153098m	40.018	ng	
36) 4-Chloro-3-methylphenol	8.651	107	522050	40.849	ng	99
37) 2-Methylnaphthalene	8.804	142	1114222	40.653	ng	100
38) 1-Methylnaphthalene	8.904	142	1014836	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.975	216	509787	44.405	ng	98
41) Hexachlorocyclopentadiene	8.957	237	326315	86.878	ng	99
43) 2,4,6-Trichlorophenol	9.086	196	339397	43.834	ng	99

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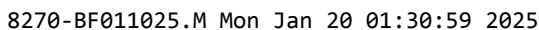
Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Jan 17 23:13:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	344170	42.088	ng	99
46) 1,1'-Biphenyl	9.269	154	1343133	43.239	ng	99
47) 2-Chloronaphthalene	9.292	162	993818	41.077	ng	99
48) 2-Nitroaniline	9.392	65	299708	41.789	ng	98
49) Acenaphthylene	9.710	152	1501704	43.444	ng	99
50) Dimethylphthalate	9.575	163	1194201	44.472	ng	100
51) 2,6-Dinitrotoluene	9.633	165	254198	40.707	ng	97
52) Acenaphthene	9.880	154	1059901	43.889	ng	99
53) 3-Nitroaniline	9.798	138	142946	22.526	ng	99
54) 2,4-Dinitrophenol	9.904	184	190191	64.078	ng	95
55) Dibenzofuran	10.057	168	1347796	41.031	ng	100
56) 4-Nitrophenol	9.963	139	355604	71.554	ng	98
57) 2,4-Dinitrotoluene	10.033	165	325472	40.444	ng	97
58) Fluorene	10.398	166	998649	39.132	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	268317	39.475	ng	99
60) Diethylphthalate	10.275	149	1111436	42.397	ng	99
61) 4-Chlorophenyl-phenyle...	10.392	204	501459	40.316	ng	99
62) 4-Nitroaniline	10.410	138	204592	32.941	ng	97
63) Azobenzene	10.551	77	1086151	41.990	ng	96
65) 4,6-Dinitro-2-methylph...	10.439	198	134695	42.968	ng	99
66) n-Nitrosodiphenylamine	10.510	169	873889	50.083	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	305659	49.077	ng	98
68) Hexachlorobenzene	10.945	284	320510	46.229	ng	97
69) Atrazine	11.033	200	279086	59.403	ng	99
70) Pentachlorophenol	11.139	266	359785	81.033	ng	99
71) Phenanthrene	11.357	178	1448535	49.876	ng	100
72) Anthracene	11.410	178	1311476	46.441	ng	100
73) Carbazole	11.563	167	1086397	41.955	ng	100
74) Di-n-butylphthalate	11.898	149	1405927	47.444	ng	100
75) Fluoranthene	12.545	202	1371718	47.330	ng	99
77) Benzidine	12.668	184	300734	41.091	ng	100
78) Pyrene	12.774	202	1374473	36.463	ng	99
80) Butylbenzylphthalate	13.398	149	506409	40.294	ng	97
81) Benzo(a)anthracene	13.963	228	1172181	43.642	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	217060	25.380	ng	99
83) Chrysene	13.998	228	1120867	44.600	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	659764	43.752	ng	100
85) Di-n-octyl phthalate	14.574	149	1164172	51.125	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	785399	32.729	ng	98
88) Benzo(b)fluoranthene	15.004	252	1105480	52.339	ng	99
89) Benzo(k)fluoranthene	15.033	252	817819	45.817	ng	100
90) Benzo(a)pyrene	15.368	252	847856	48.654	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	627479	32.329	ng	99
92) Benzo(g,h,i)perylene	17.303	276	578450	28.653	ng	99

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

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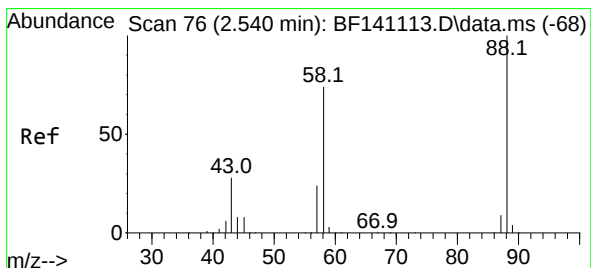
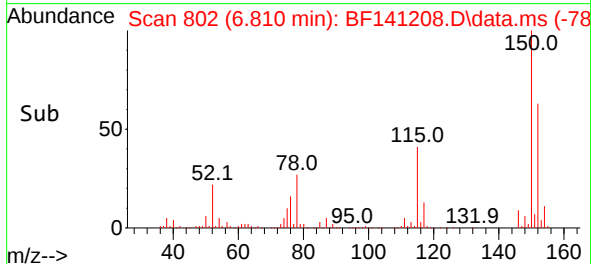
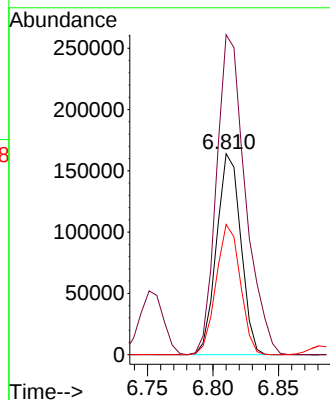
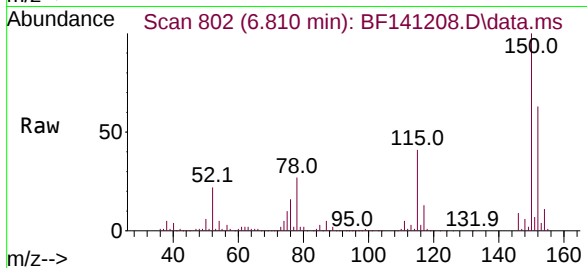




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

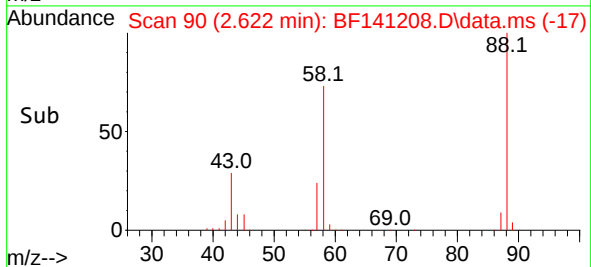
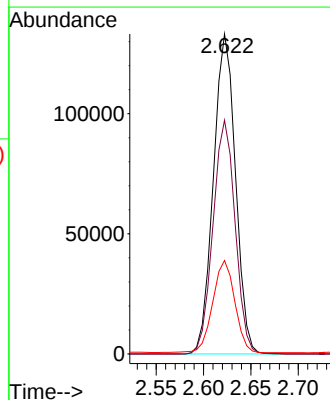
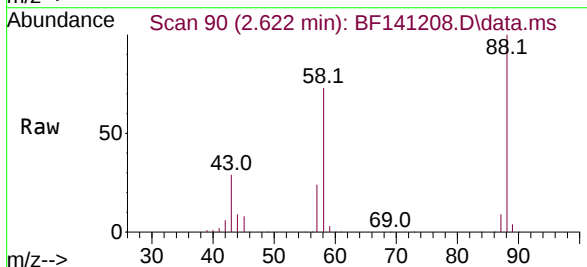
Instrument :
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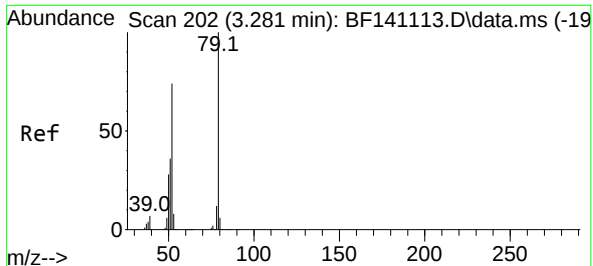
Tgt Ion:152 Resp: 211037
 Ion Ratio Lower Upper
 152 100
 150 159.3 125.8 188.8
 115 64.8 51.4 77.2



#2
 1,4-Dioxane
 Concen: 35.504 ng
 RT: 2.622 min Scan# 90
 Delta R.T. 0.082 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

Tgt Ion: 88 Resp: 215987
 Ion Ratio Lower Upper
 88 100
 58 73.2 60.1 90.1
 43 28.9 23.1 34.7

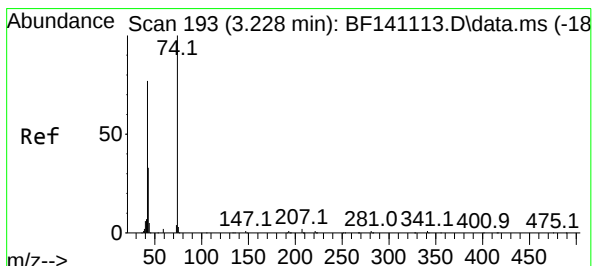
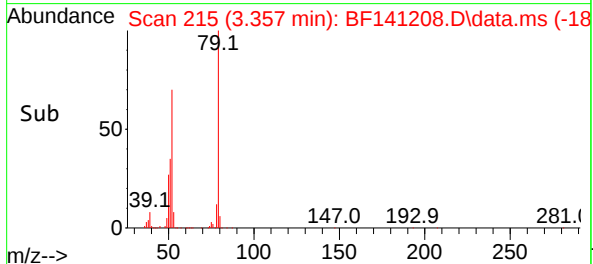
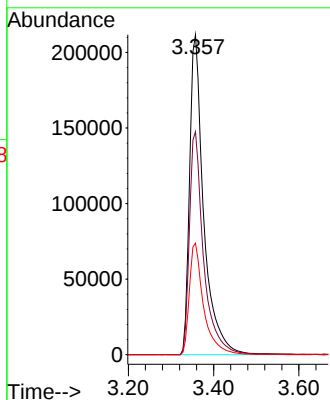
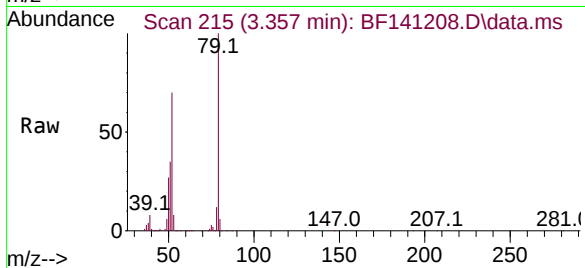




#3
 Pyridine
 Concen: 32.673 ng
 RT: 3.357 min Scan# 21
 Delta R.T. 0.076 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

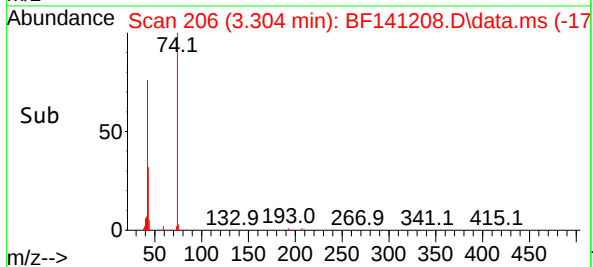
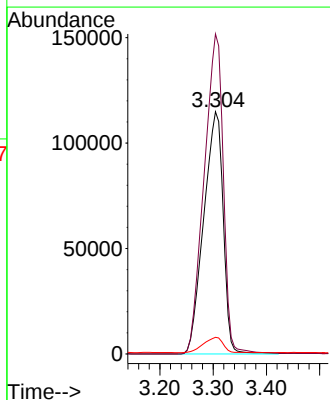
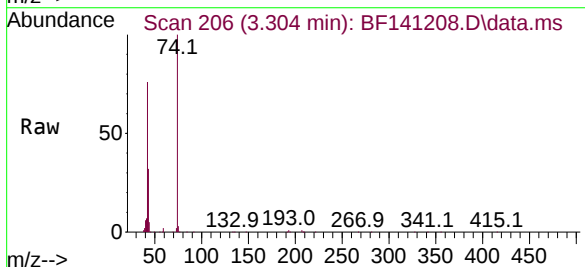
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

Tgt Ion: 79 Resp: 487425
 Ion Ratio Lower Upper
 79 100
 52 69.7 58.9 88.3
 51 34.8 29.1 43.7



#4
 n-Nitrosodimethylamine
 Concen: 39.986 ng
 RT: 3.304 min Scan# 206
 Delta R.T. 0.076 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

Tgt Ion: 42 Resp: 291676
 Ion Ratio Lower Upper
 42 100
 74 132.1 103.8 155.6
 44 6.9 5.3 7.9

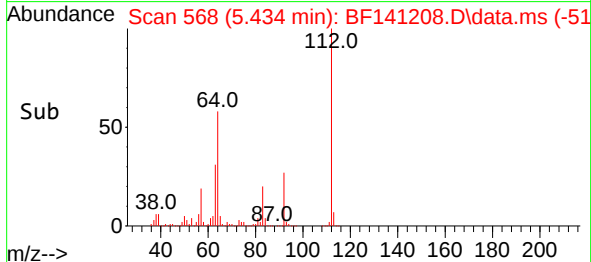
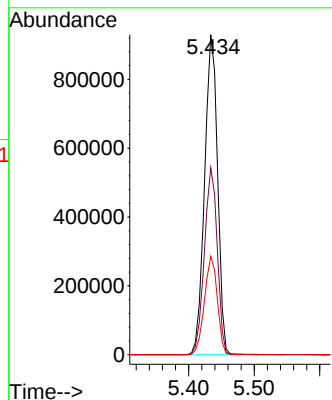
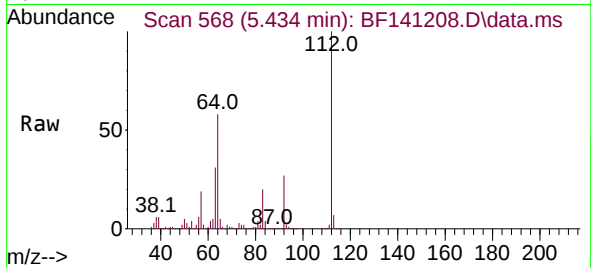




#5
2-Fluorophenol
Concen: 93.982 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

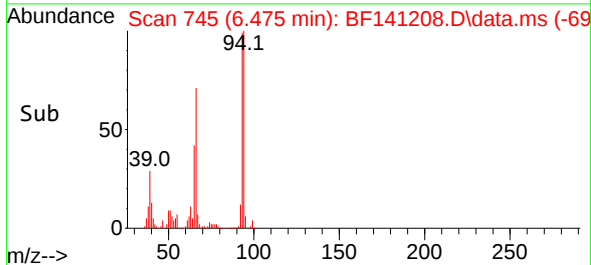
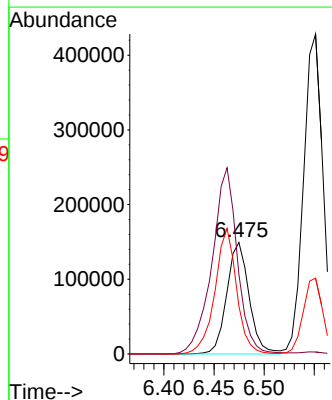
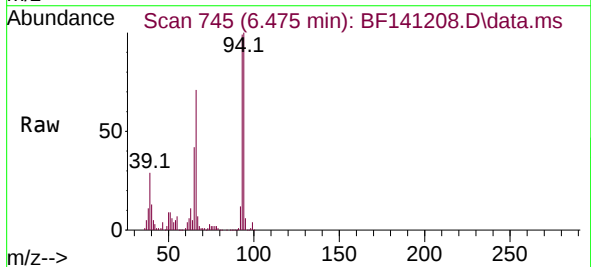
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:112 Resp: 1283896
Ion Ratio Lower Upper
112 100
64 58.4 47.3 70.9
63 30.7 24.2 36.2



#6
Aniline
Concen: 15.027 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

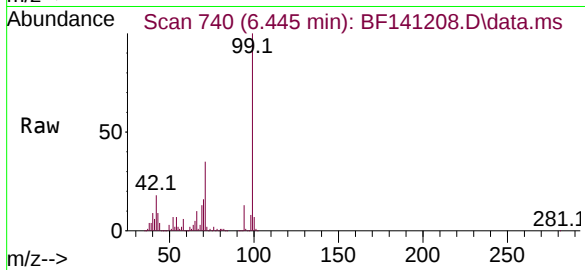
Tgt Ion: 93 Resp: 230863
Ion Ratio Lower Upper
93 100
66 71.2 31.5 47.3#
65 42.8 15.3 22.9#





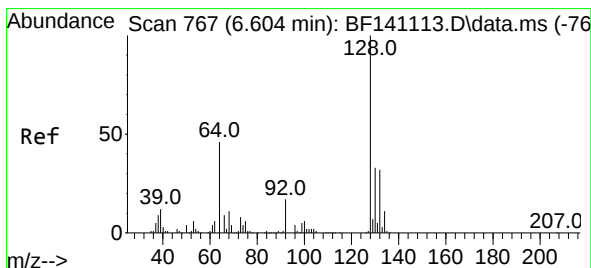
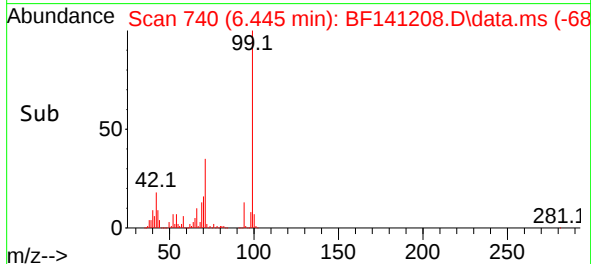
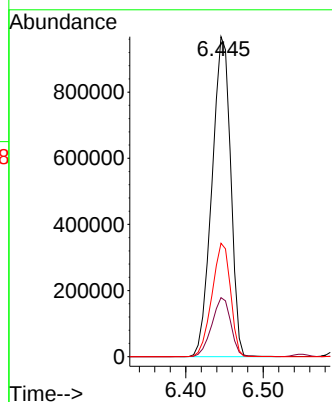
#7
Phenol-d6
Concen: 93.665 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD



Tgt Ion: 99 Resp: 1620847

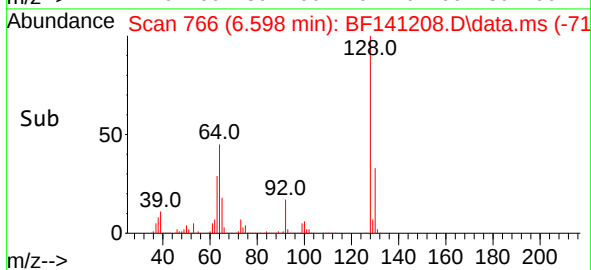
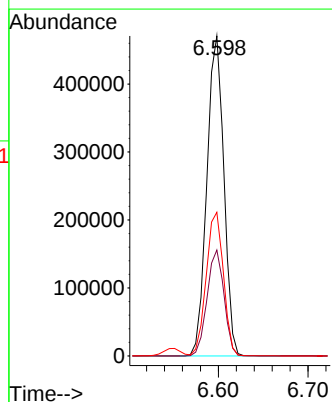
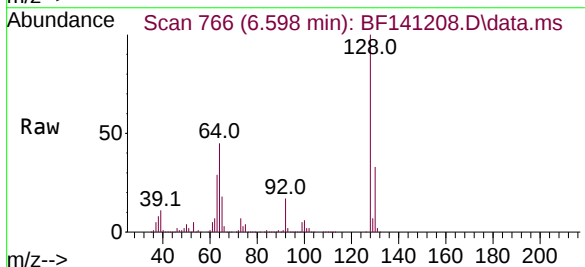
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	35.5	27.6	41.4



#8
2-Chlorophenol
Concen: 42.175 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion: 128 Resp: 618150

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.5	52.5
64	44.9	28.3	68.3

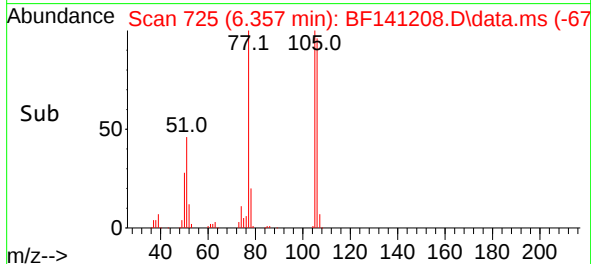
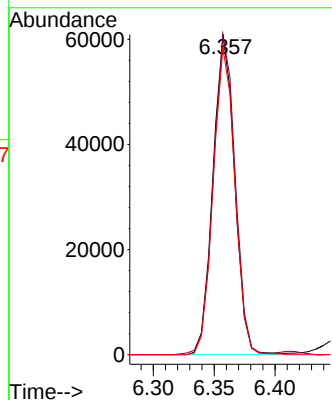
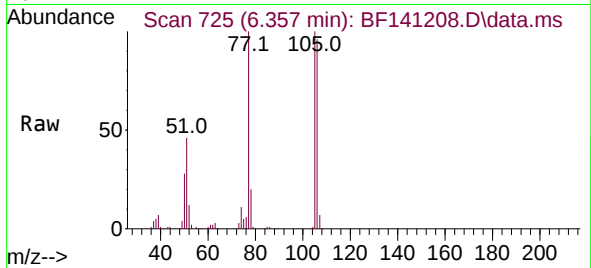




#9
Benzaldehyde
Concen: 7.387 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

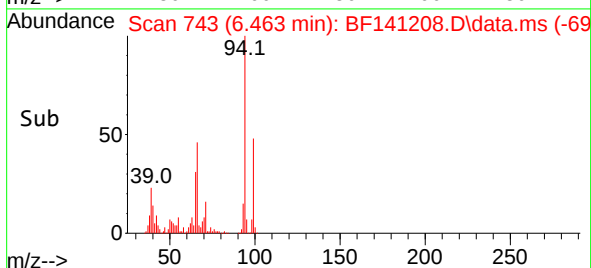
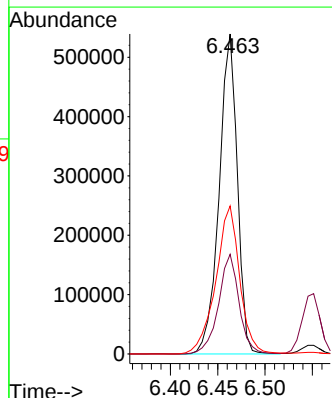
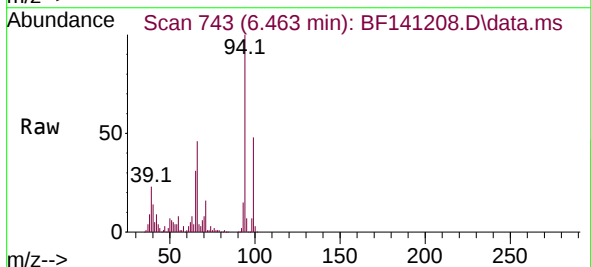
Instrument :
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VNJ-214MSD

Tgt Ion: 77 Resp: 75287
Ion Ratio Lower Upper
77 100
105 100.1 78.9 118.9
106 96.1 73.6 113.6



#10
Phenol
Concen: 38.916 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion: 94 Resp: 720887
Ion Ratio Lower Upper
94 100
65 31.2 8.9 48.9
66 46.2 21.2 61.2

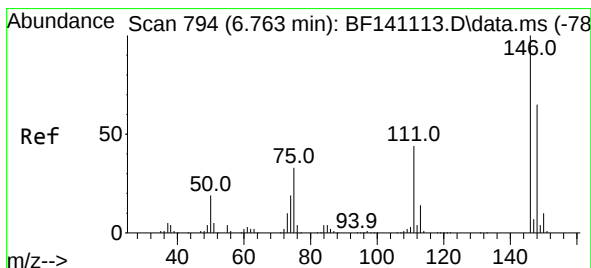
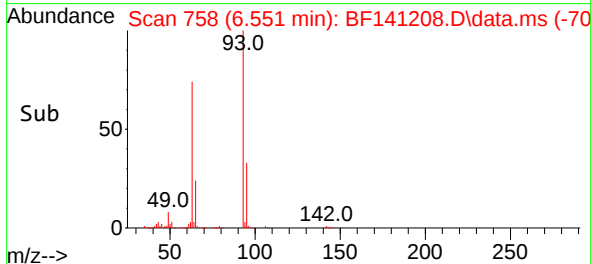
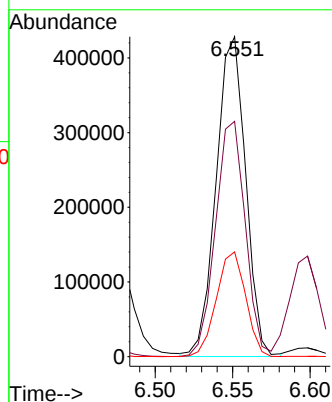
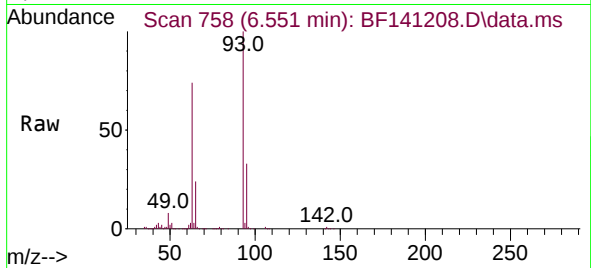




#11
bis(2-Chloroethyl)ether
Concen: 41.119 ng
RT: 6.551 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

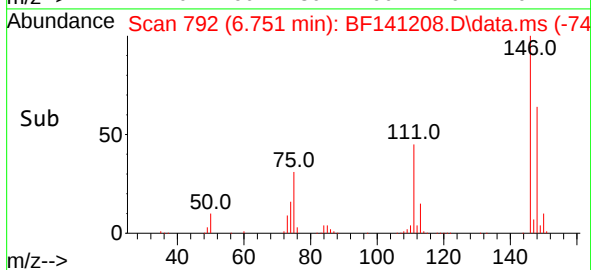
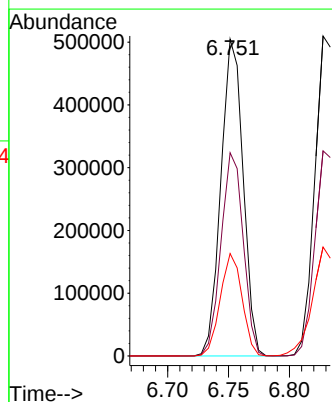
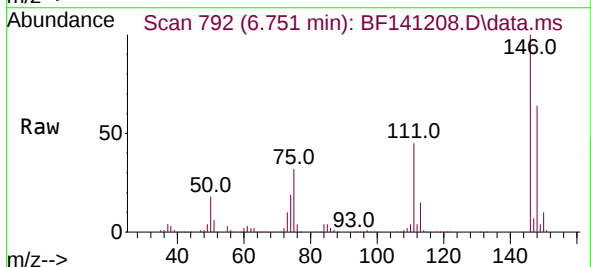
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion: 93 Resp: 567653
Ion Ratio Lower Upper
93 100
63 73.6 58.0 98.0
95 32.8 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.246 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:146 Resp: 641543
Ion Ratio Lower Upper
146 100
148 64.1 51.6 77.4
75 32.4 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 39.363 ng

RT: 6.828 min Scan# 807

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

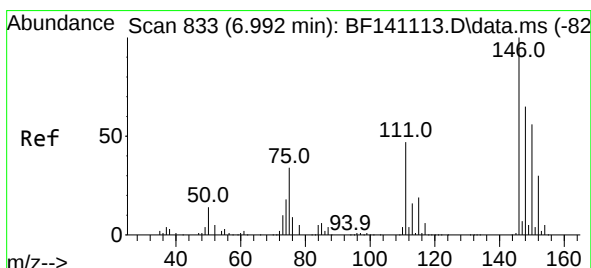
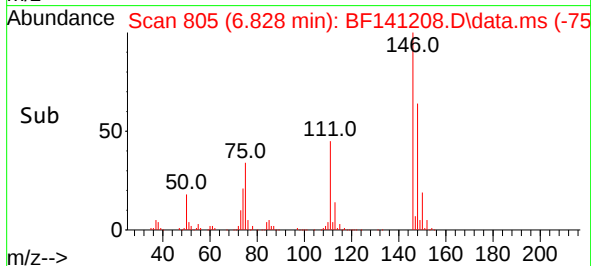
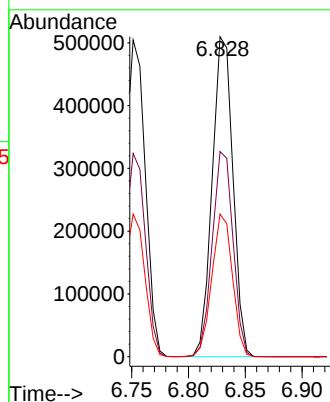
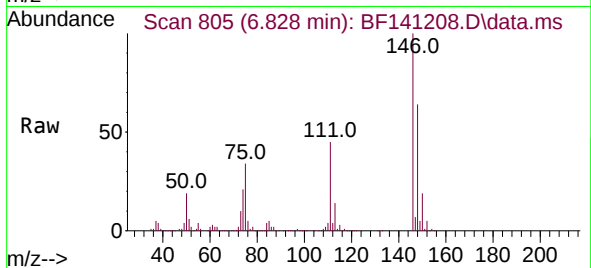
Tgt Ion:146 Resp: 648415

Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

111 44.5 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 40.301 ng

RT: 6.981 min Scan# 831

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

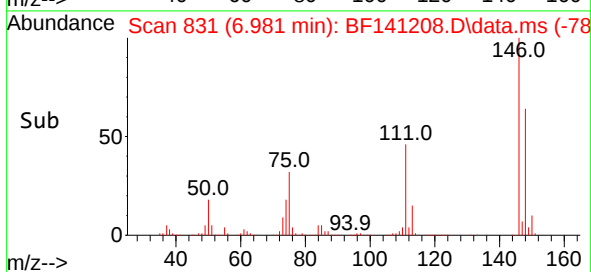
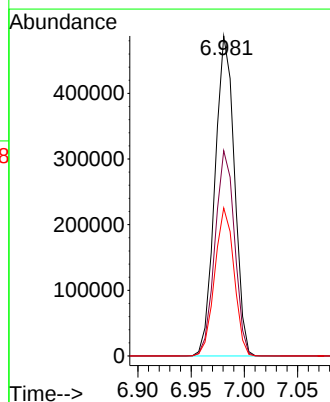
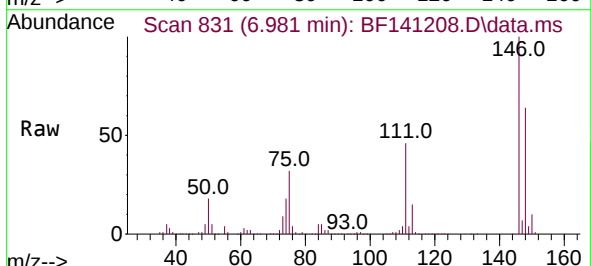
Tgt Ion:146 Resp: 619260

Ion Ratio Lower Upper

146 100

148 64.1 52.2 78.4

111 46.2 37.5 56.3

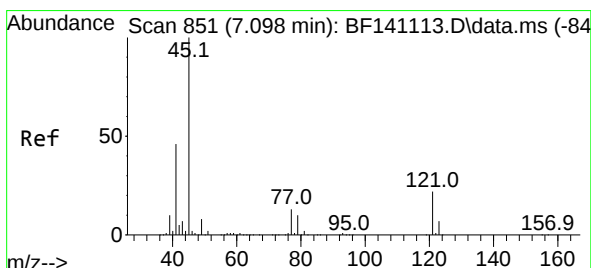
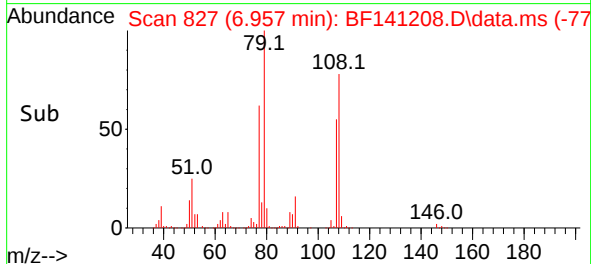
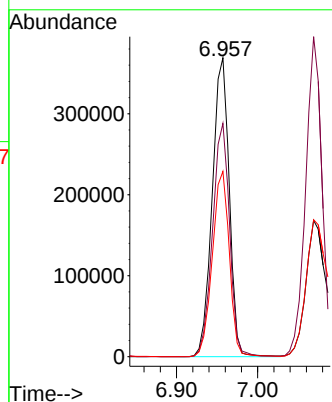
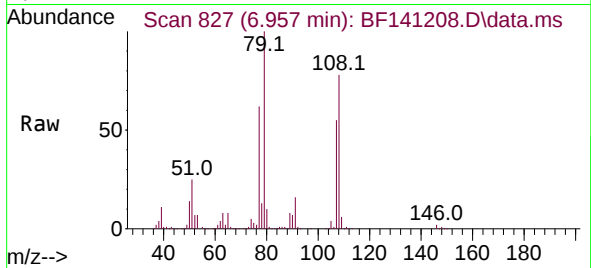




#15
Benzyl Alcohol
Concen: 42.852 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

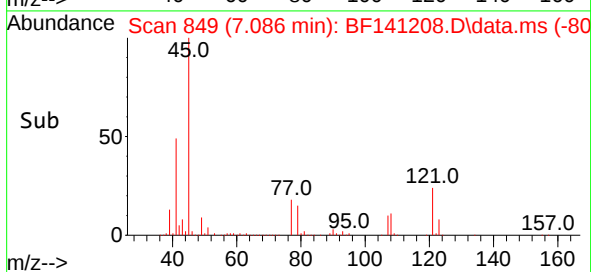
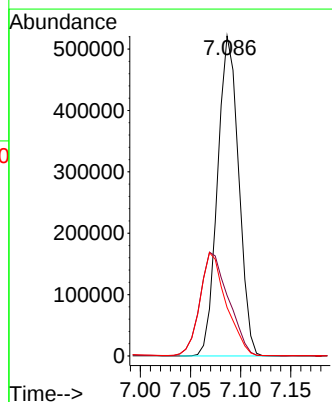
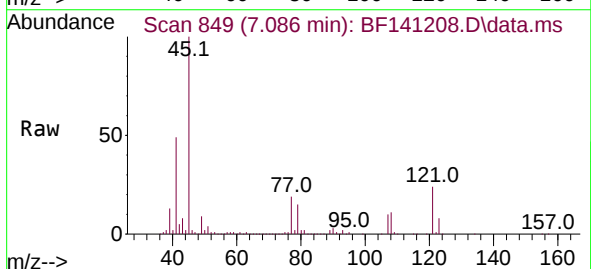
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

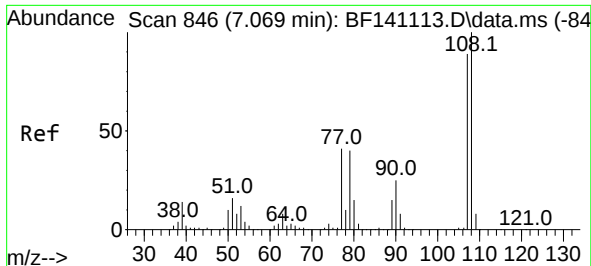
Tgt Ion: 79 Resp: 535521
Ion Ratio Lower Upper
79 100
108 78.0 61.4 92.0
77 62.0 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.677 ng
RT: 7.086 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion: 45 Resp: 764341
Ion Ratio Lower Upper
45 100
77 18.9 0.0 34.1
79 15.1 0.0 31.0

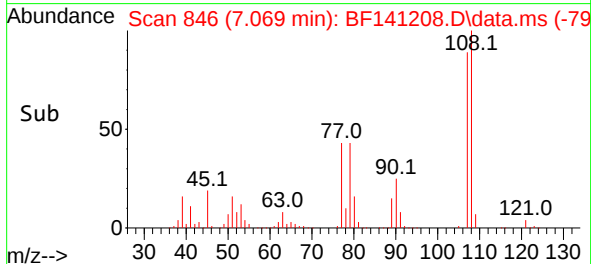
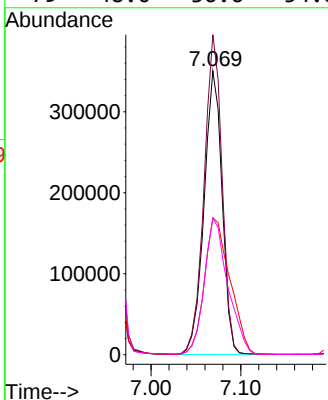
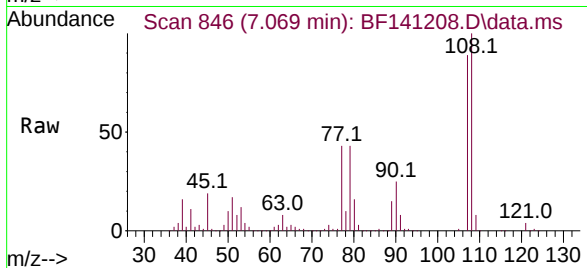




#17
2-Methylphenol
Concen: 41.383 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

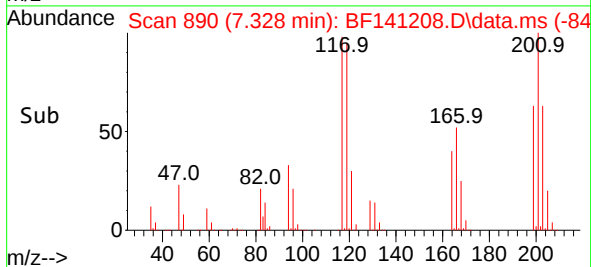
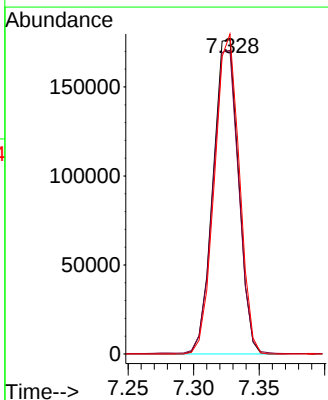
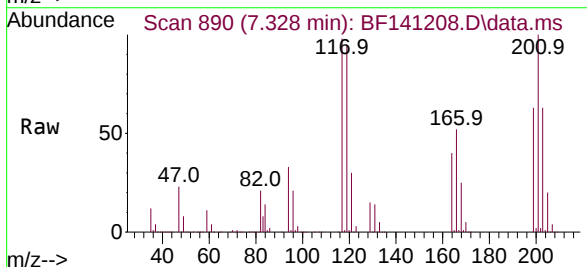
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:	107	Resp:	489686
Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.1	135.1
77	48.3	36.6	55.0
79	48.0	36.6	54.8



#18
Hexachloroethane
Concen: 39.854 ng
RT: 7.328 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:	117	Resp:	237413
Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.6	116.4
201	101.8	75.1	112.7

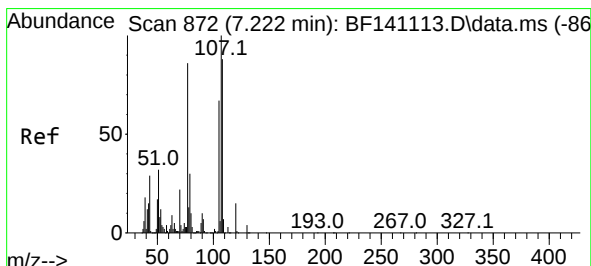
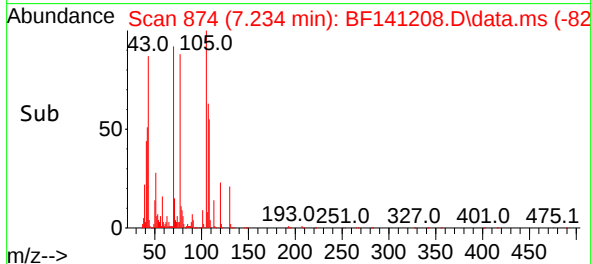
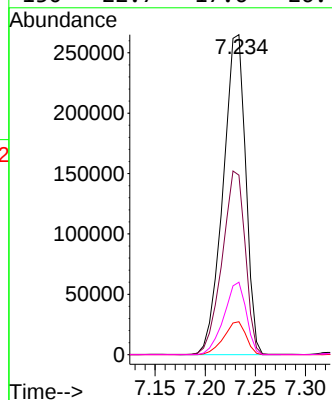
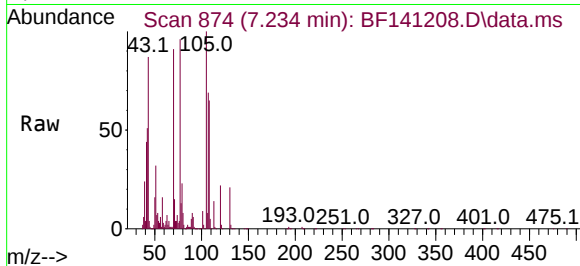




#19
n-Nitroso-di-n-propylamine
Concen: 40.816 ng
RT: 7.234 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

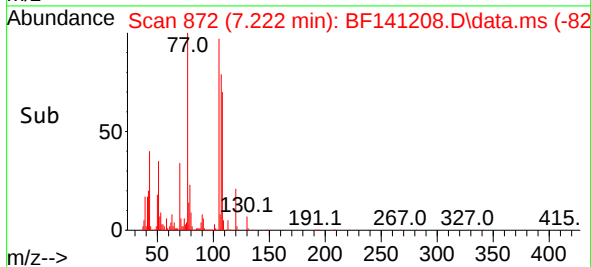
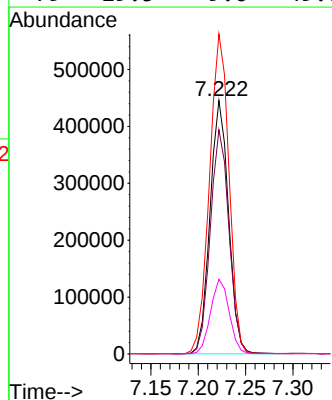
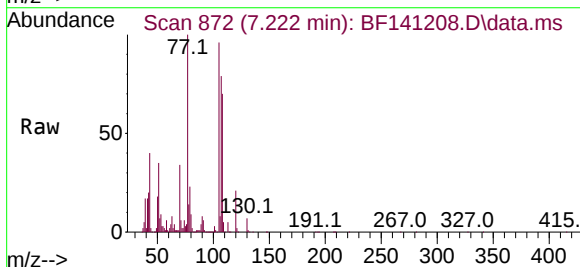
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

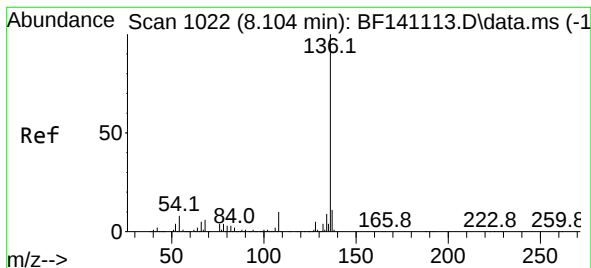
Tgt Ion: 70 Resp: 416064
Ion Ratio Lower Upper
70 100
42 56.1 47.8 71.6
101 10.3 7.9 11.9
130 22.7 17.6 26.4



#20
3+4-Methylphenols
Concen: 40.552 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion: 107 Resp: 605387
Ion Ratio Lower Upper
107 100
108 88.4 68.3 108.3
77 126.2 66.4 106.4#
79 29.5 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

Tgt Ion:136 Resp: 815596

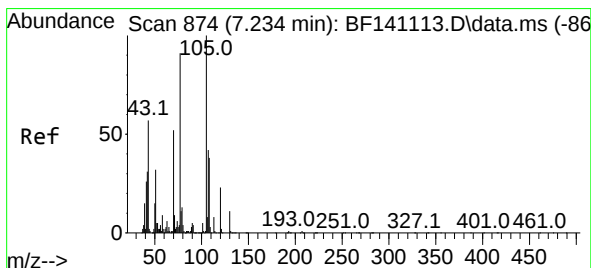
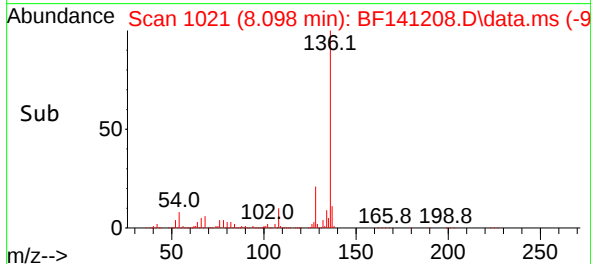
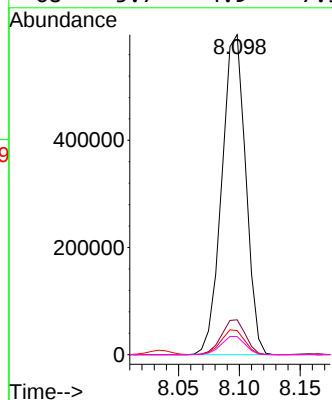
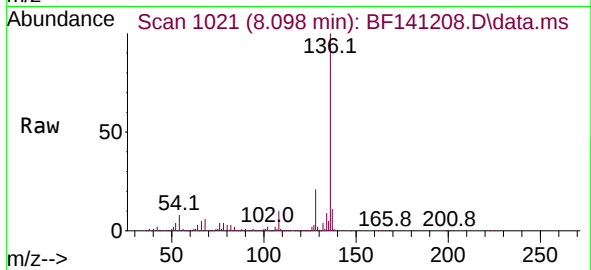
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.5 6.3 9.5

68 5.7 4.9 7.3



#22

Acetophenone

Concen: 40.993 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Tgt Ion:105 Resp: 794801

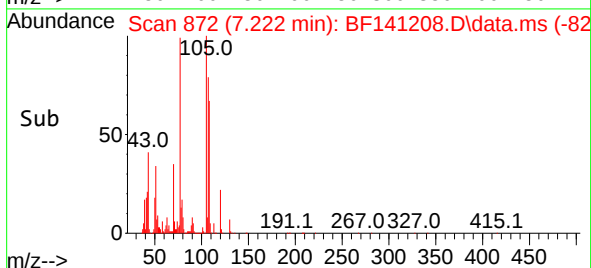
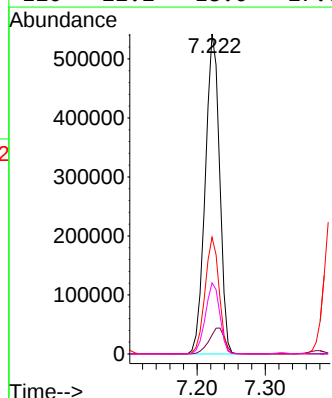
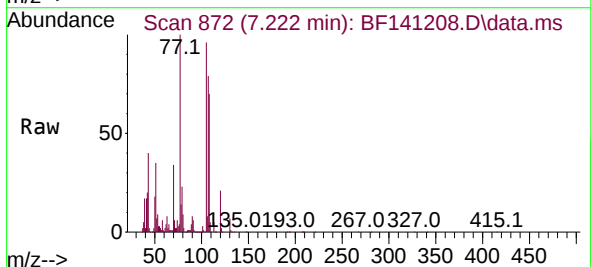
Ion Ratio Lower Upper

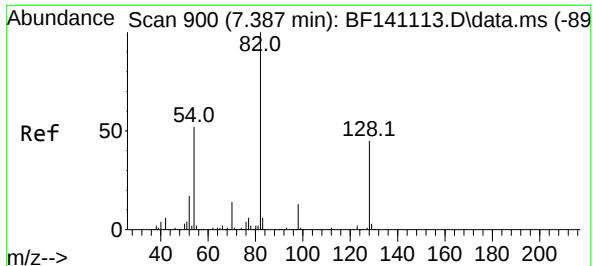
105 100

71 5.9 7.1 10.7#

51 36.4 25.4 38.2

120 22.2 18.0 27.0





#23

Nitrobenzene-d5

Concen: 67.351 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

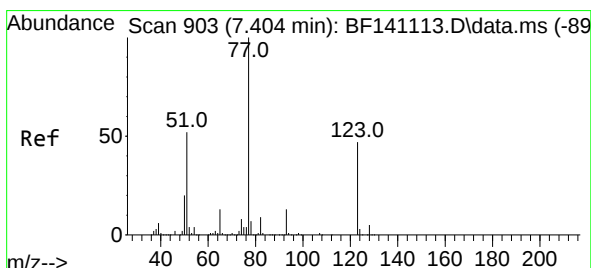
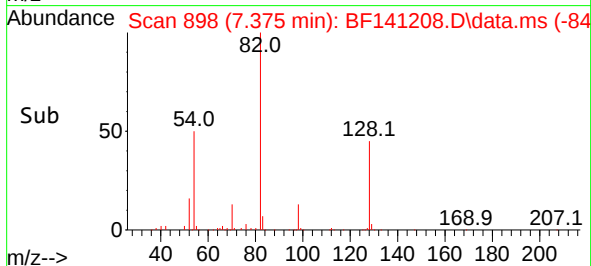
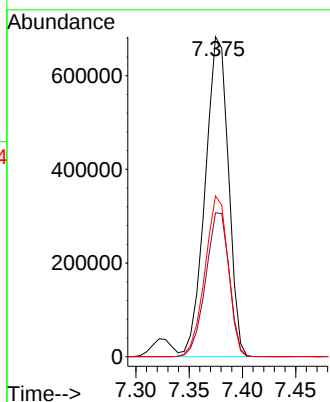
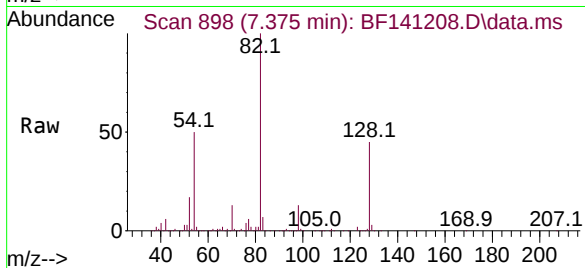
Tgt Ion: 82 Resp: 1036271

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

54 50.3 41.0 61.4



#24

Nitrobenzene

Concen: 39.192 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

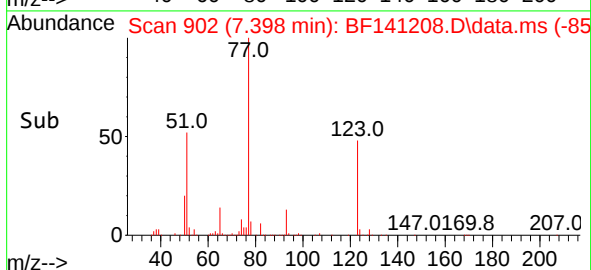
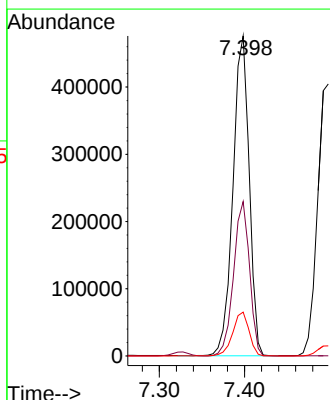
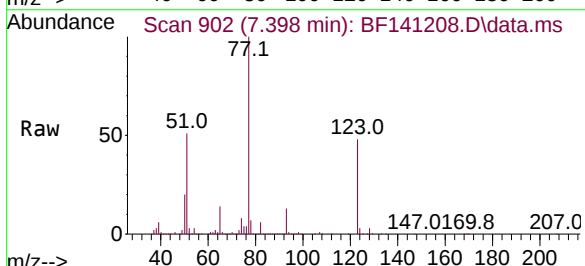
Tgt Ion: 77 Resp: 628463

Ion Ratio Lower Upper

77 100

123 48.3 37.7 56.5

65 13.7 10.6 16.0

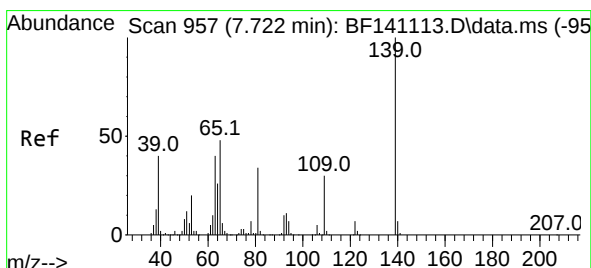
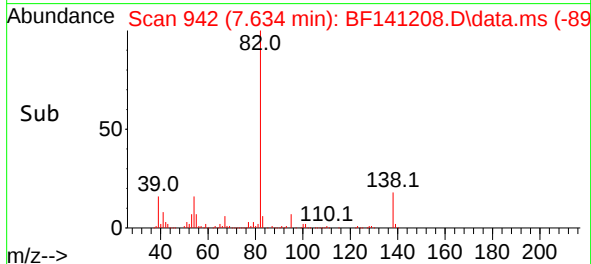
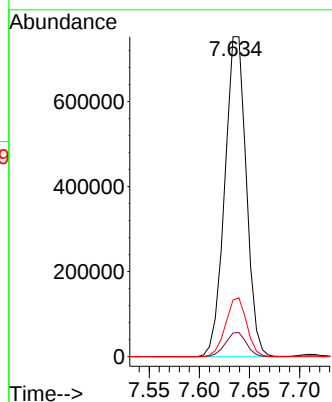
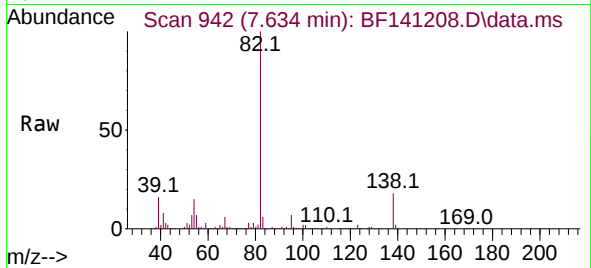




#25
Isophorone
Concen: 42.594 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

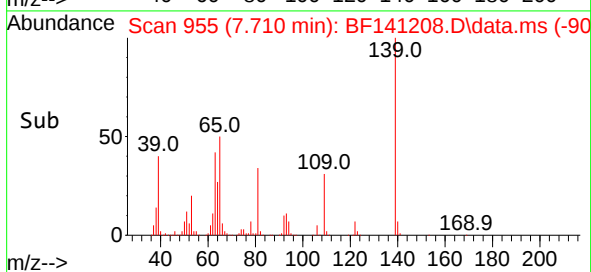
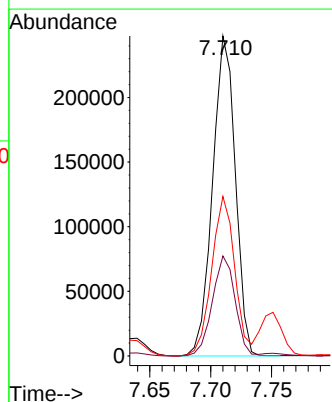
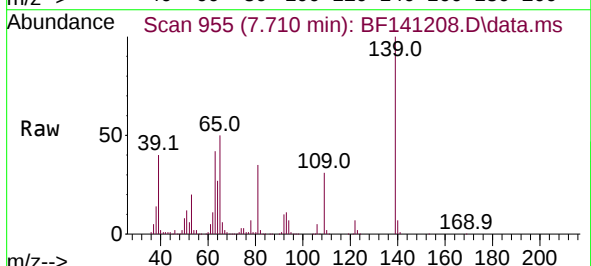
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion: 82 Resp: 1119986
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 17.7 14.2 21.2



#26
2-Nitrophenol
Concen: 44.151 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:139 Resp: 322054
Ion Ratio Lower Upper
139 100
109 31.2 23.8 35.6
65 49.9 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 49.777 ng

RT: 7.751 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF141208.D

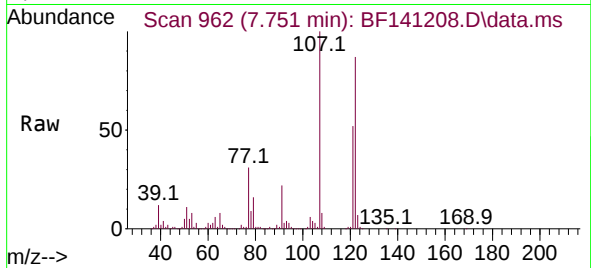
Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD



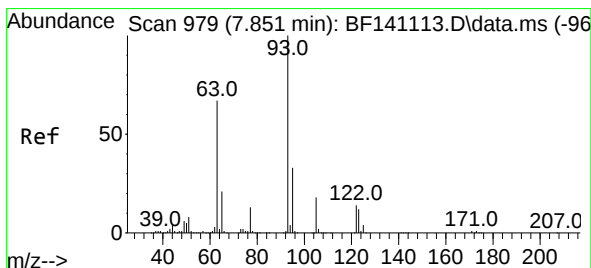
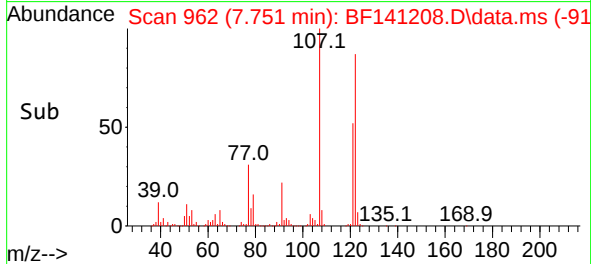
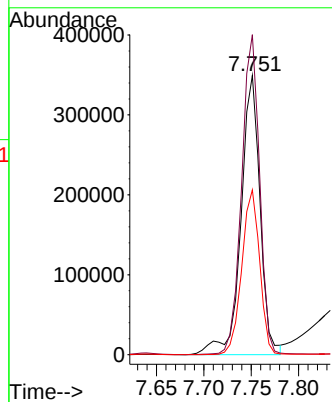
Tgt Ion:122 Resp: 489755

Ion Ratio Lower Upper

122 100

107 114.6 90.3 135.5

121 59.0 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 41.650 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

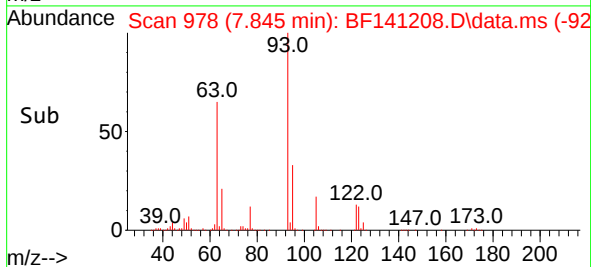
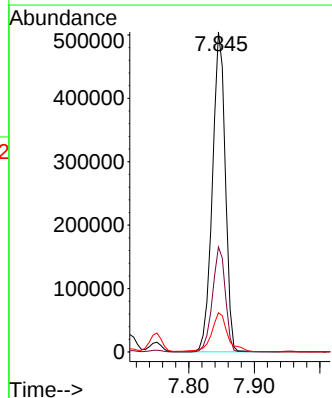
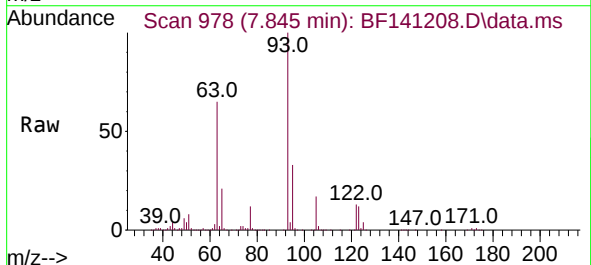
Tgt Ion: 93 Resp: 687291

Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.2 10.1 15.1

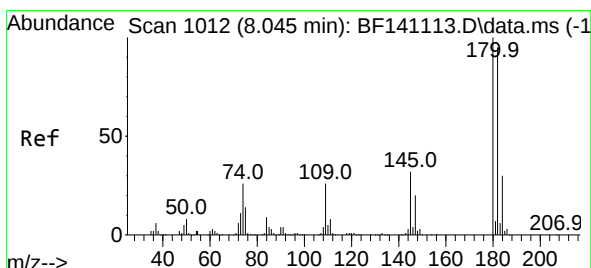
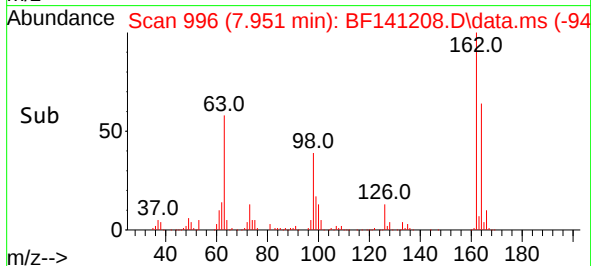
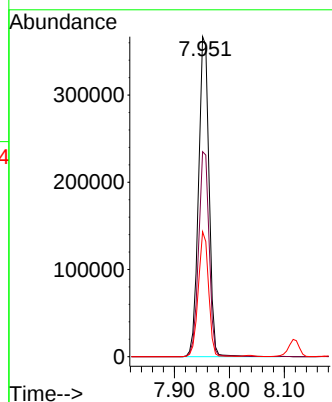
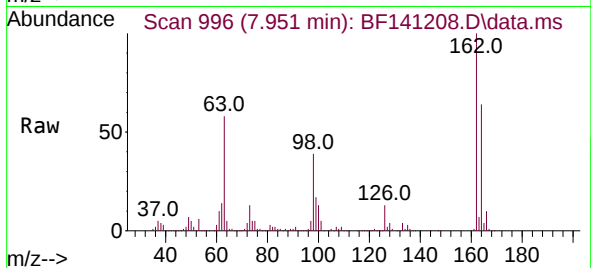




#29
2,4-Dichlorophenol
Concen: 41.862 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

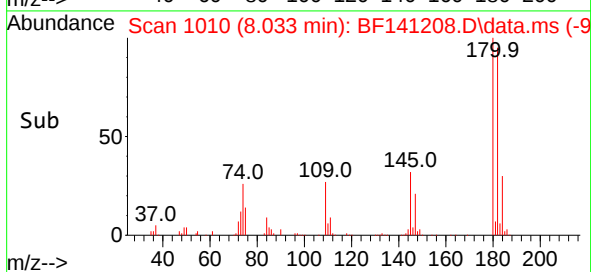
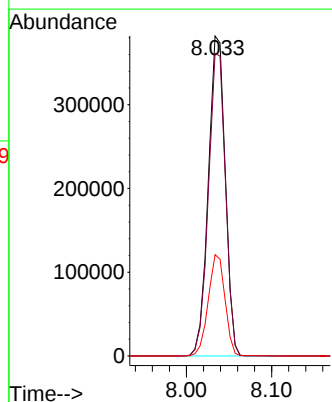
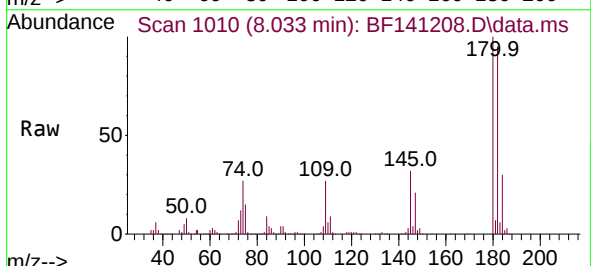
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:162 Resp: 489179
Ion Ratio Lower Upper
162 100
164 64.1 44.5 84.5
98 39.1 18.5 58.5



#30
1,2,4-Trichlorobenzene
Concen: 39.501 ng
RT: 8.033 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:180 Resp: 527608
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.2
145 31.7 25.3 37.9

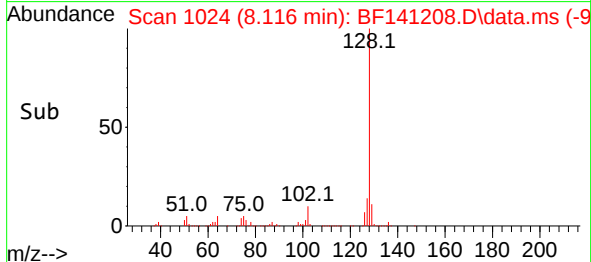
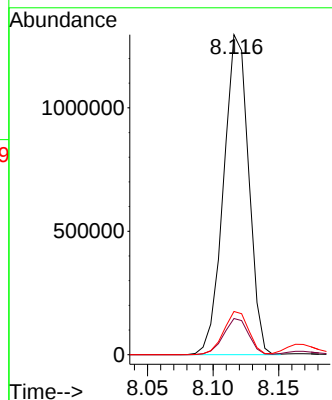
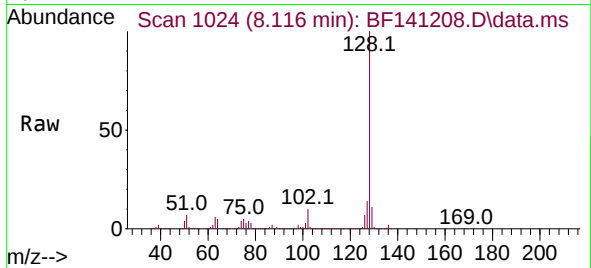




#31
Naphthalene
Concen: 40.054 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

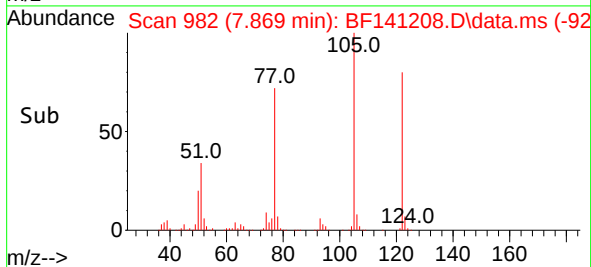
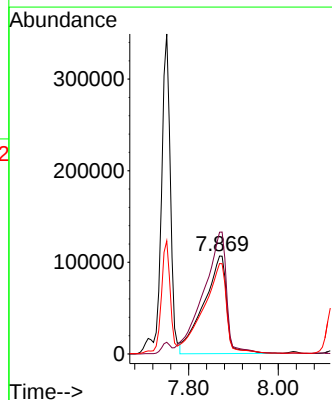
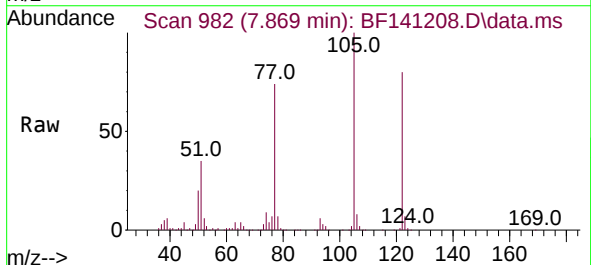
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:128 Resp: 1722754
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 40.026 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:122 Resp: 377779
Ion Ratio Lower Upper
122 100
105 124.3 105.5 145.5
77 92.3 75.1 115.1





#33

4-Chloroaniline

Concen: 5.321 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

Tgt Ion:127 Resp: 79155

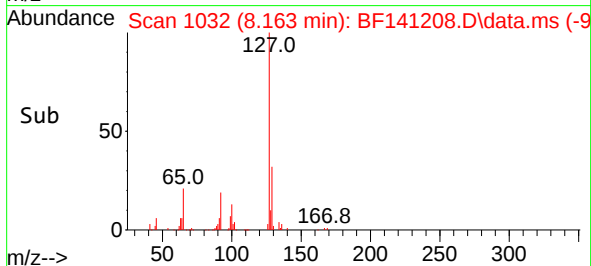
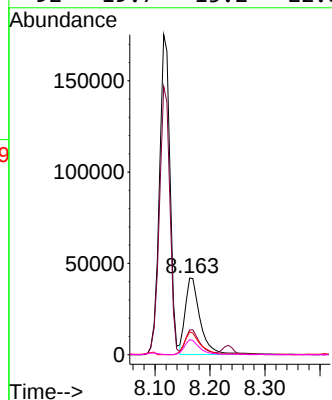
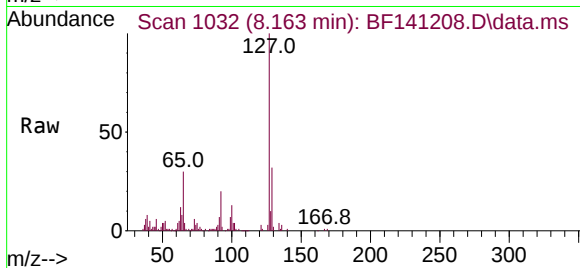
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 29.6 23.8 35.8

92 19.7 15.2 22.8



#34

Hexachlorobutadiene

Concen: 40.652 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

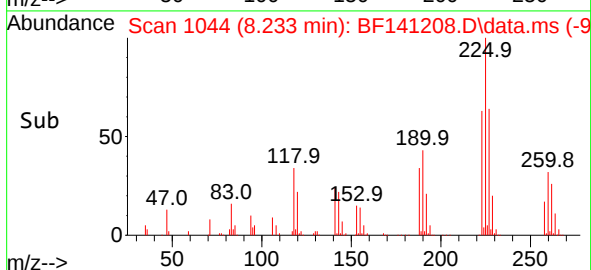
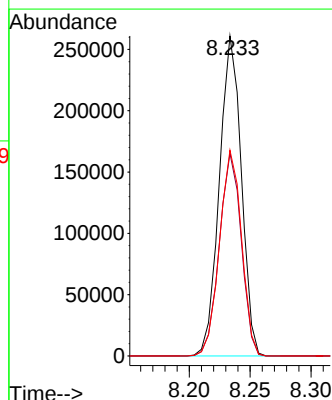
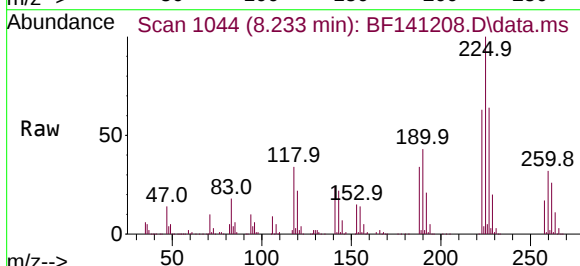
Tgt Ion:225 Resp: 327184

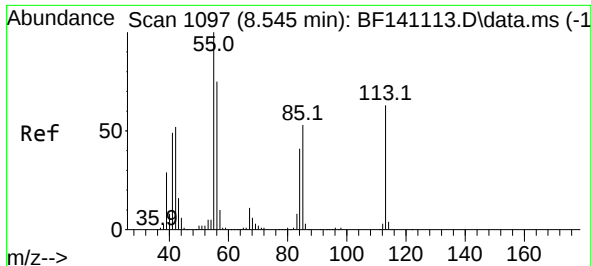
Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

227 64.3 51.6 77.4

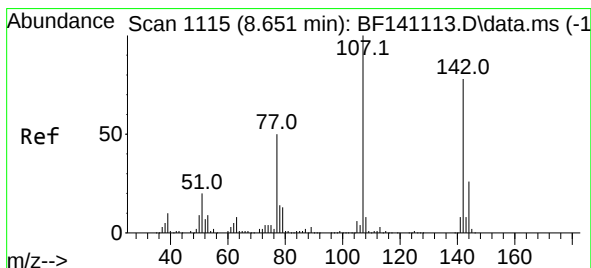
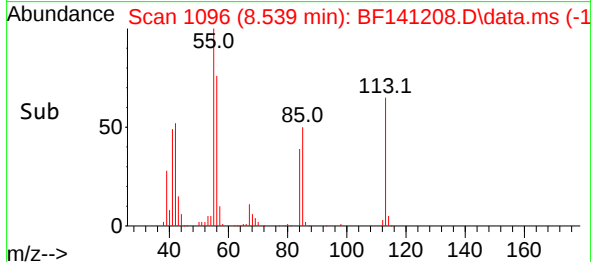
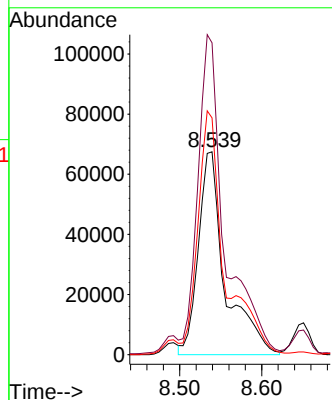
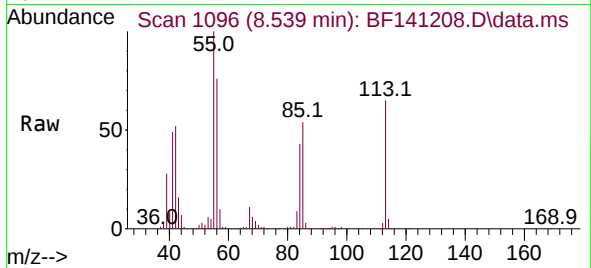




#35
Caprolactam
Concen: 40.018 ng m
RT: 8.539 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

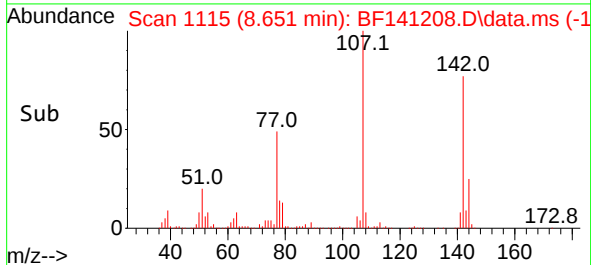
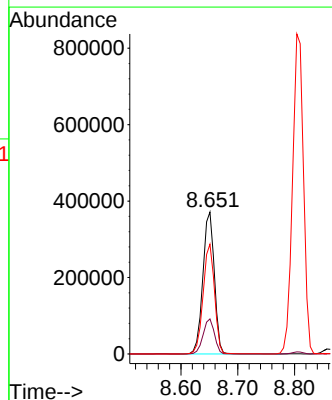
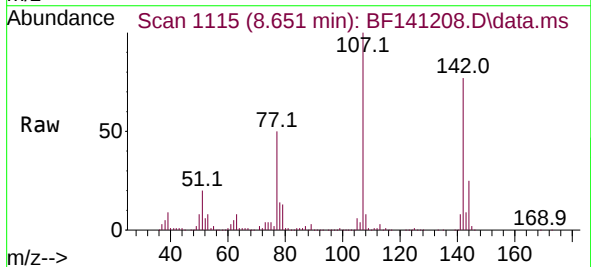
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

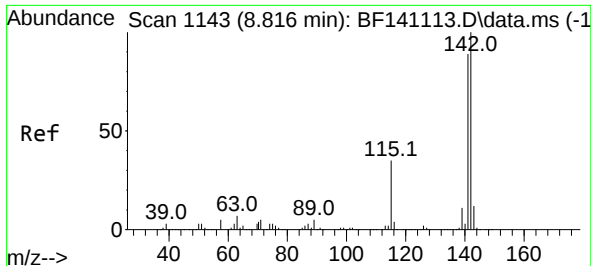
Tgt Ion:113 Resp: 153098
Ion Ratio Lower Upper
113 100
55 153.7 139.7 179.7
56 116.8 99.4 139.4



#36
4-Chloro-3-methylphenol
Concen: 40.849 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:107 Resp: 522050
Ion Ratio Lower Upper
107 100
144 24.6 20.4 30.6
142 77.3 62.2 93.2

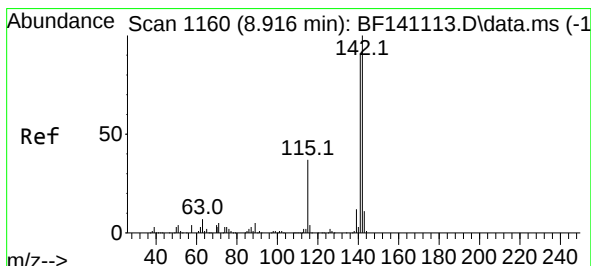
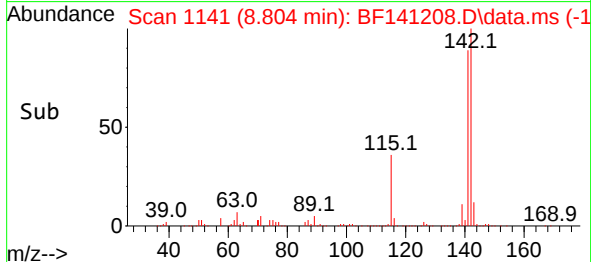
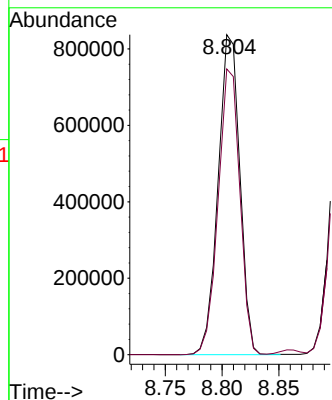
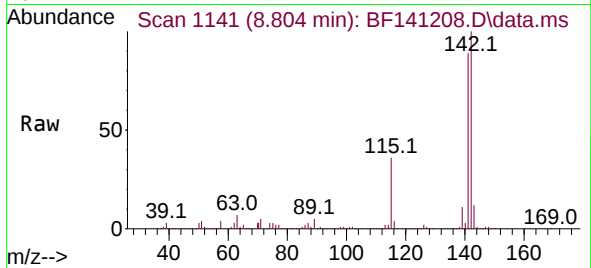




#37
2-Methylnaphthalene
Concen: 40.653 ng
RT: 8.804 min Scan# 1141
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

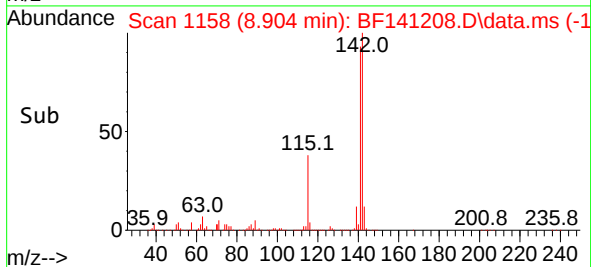
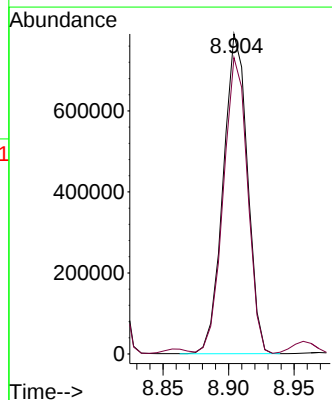
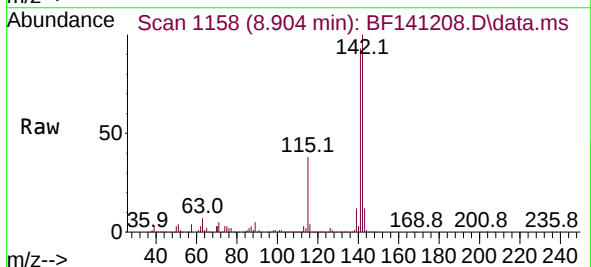
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

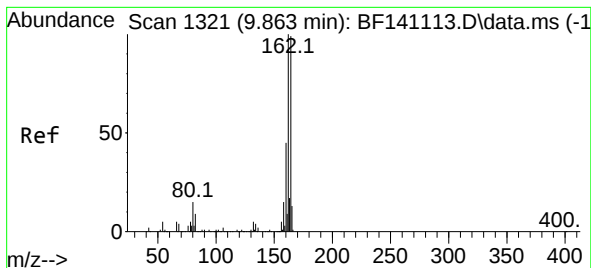
Tgt Ion:142 Resp: 1114222
Ion Ratio Lower Upper
142 100
141 89.3 71.3 106.9



#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:142 Resp: 1014836
Ion Ratio Lower Upper
142 100
141 92.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1170

Delta R.T. -0.018 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

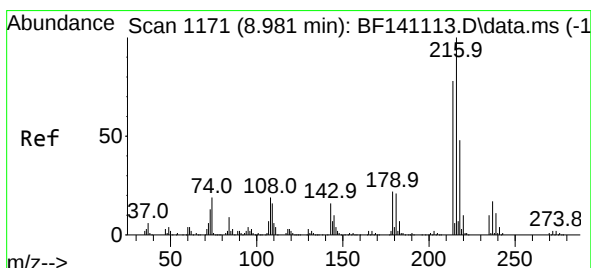
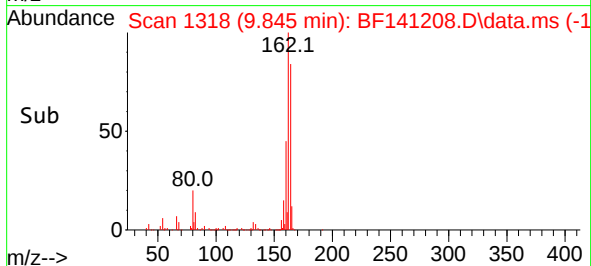
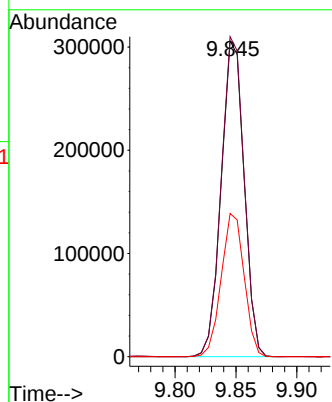
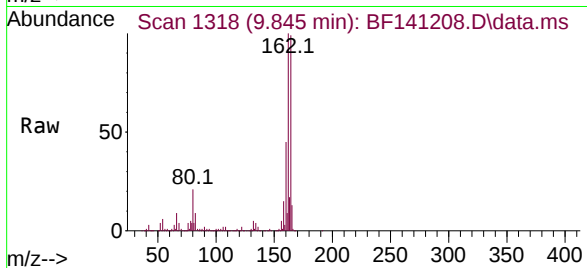
Tgt Ion:164 Resp: 399988

Ion Ratio Lower Upper

164 100

162 101.3 81.0 121.4

160 45.4 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.405 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Tgt Ion:216 Resp: 509787

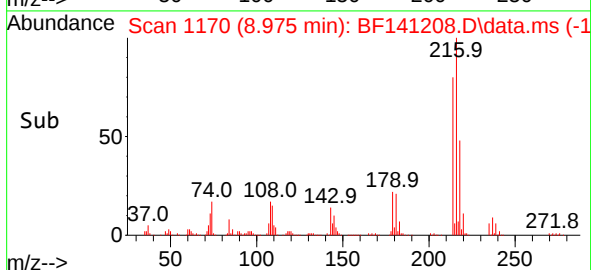
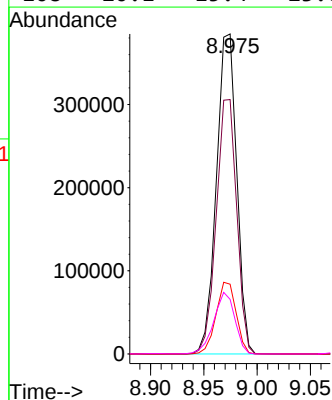
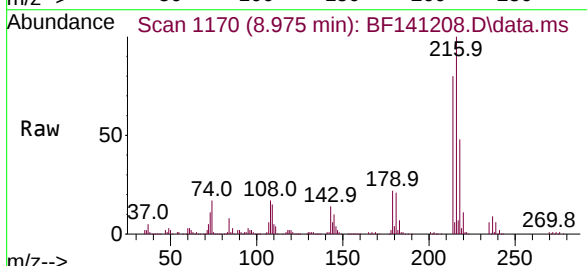
Ion Ratio Lower Upper

216 100

214 79.9 62.6 94.0

179 22.2 17.7 26.5

108 20.1 15.4 23.0

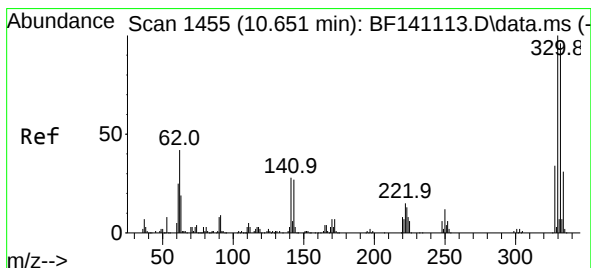
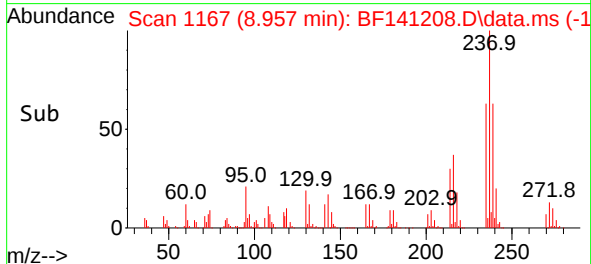
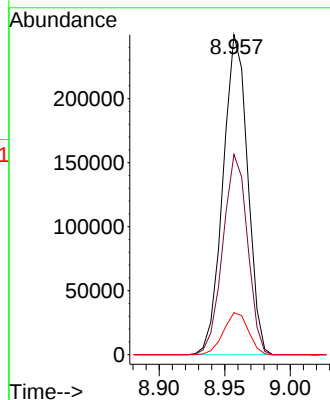
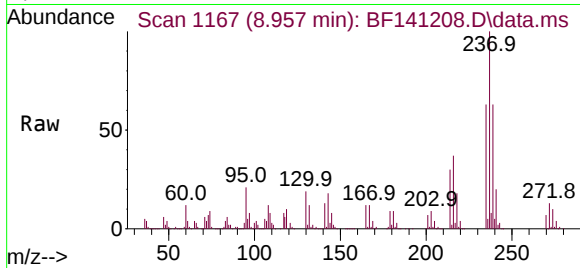




#41
Hexachlorocyclopentadiene
Concen: 86.878 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

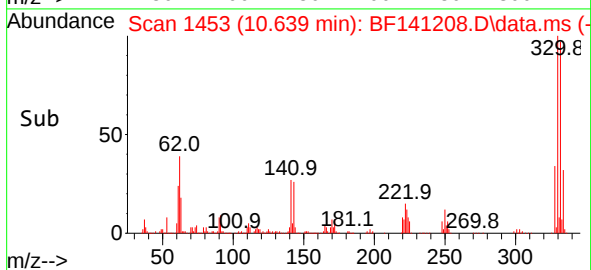
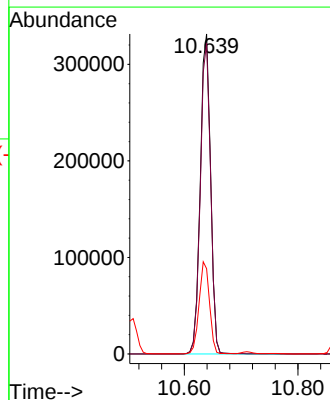
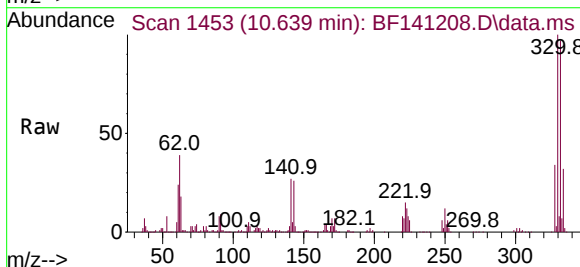
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:237 Resp: 326315
Ion Ratio Lower Upper
237 100
235 62.6 43.0 83.0
272 13.2 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 91.634 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:330 Resp: 417630
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 29.1 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 43.834 ng

RT: 9.086 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

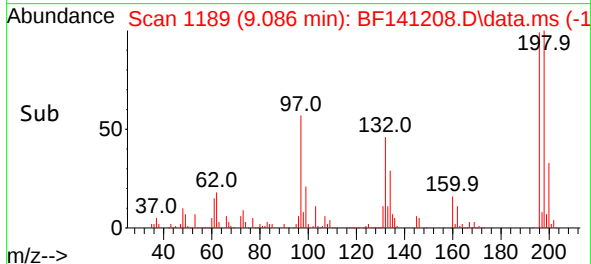
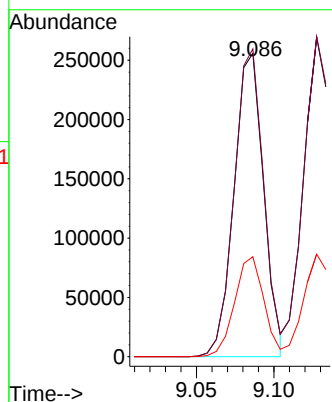
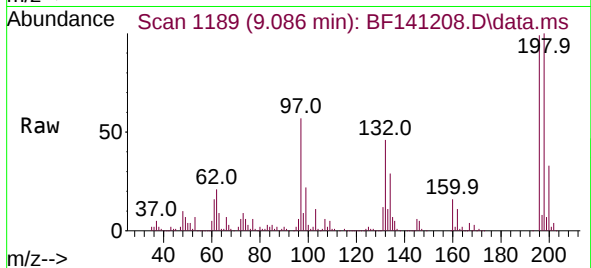
Tgt Ion:196 Resp: 339397

Ion Ratio Lower Upper

196 100

198 101.5 80.8 121.2

200 33.0 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 42.088 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Tgt Ion:196 Resp: 344170

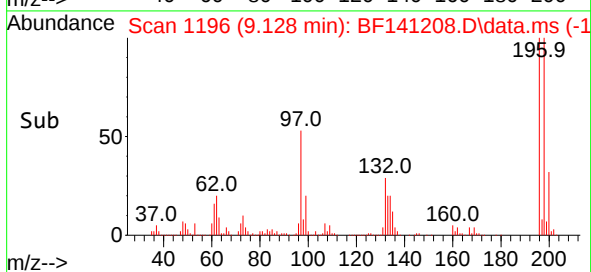
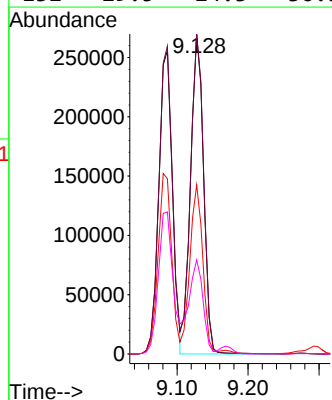
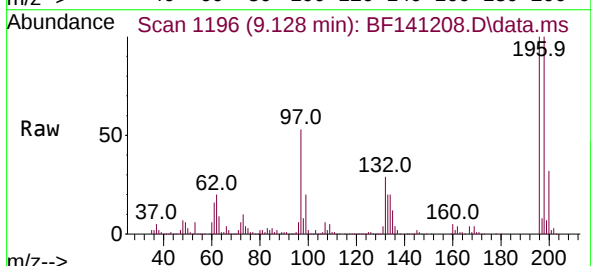
Ion Ratio Lower Upper

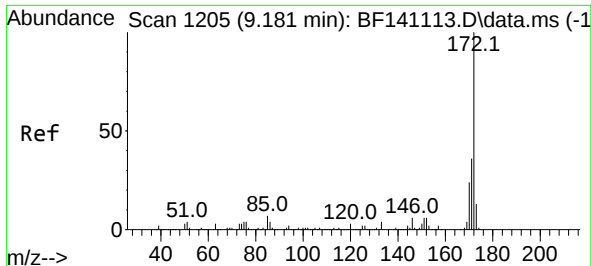
196 100

198 100.2 80.6 120.8

97 53.0 43.1 64.7

132 29.5 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 67.248 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

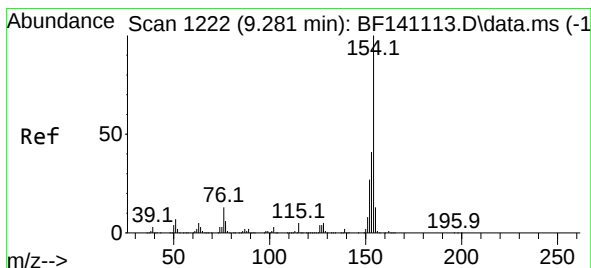
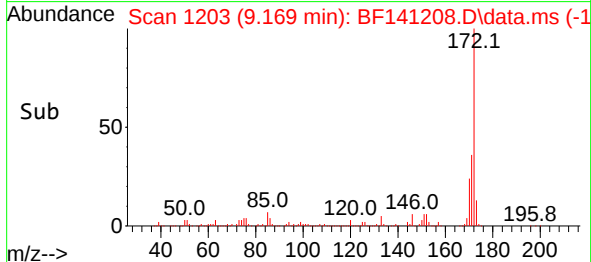
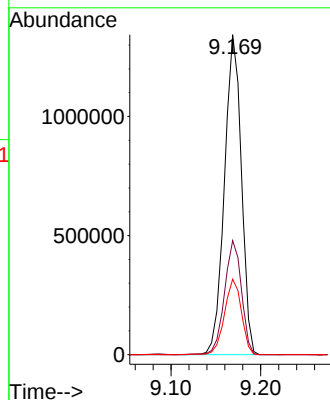
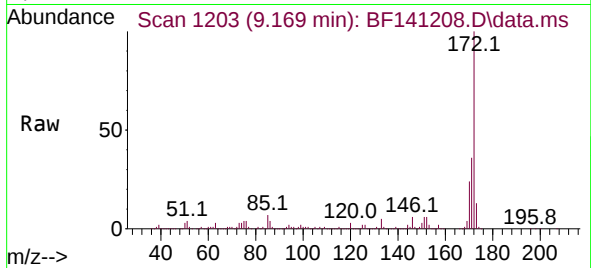
Tgt Ion:172 Resp: 1761458

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 43.239 ng

RT: 9.269 min Scan# 1220

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

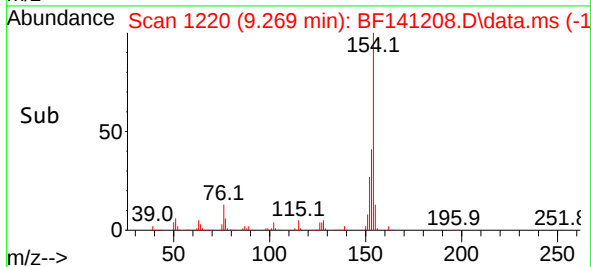
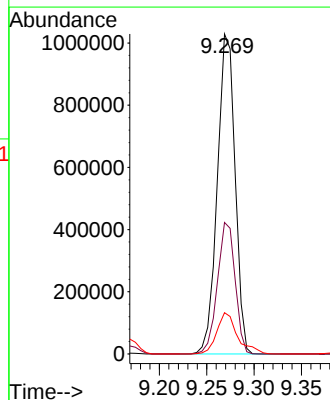
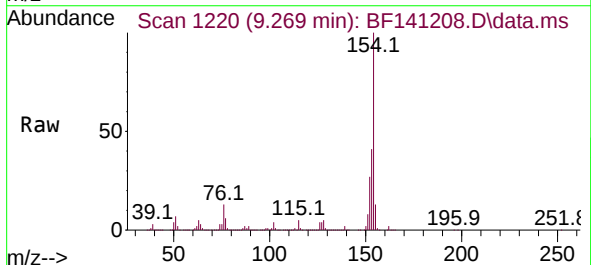
Tgt Ion:154 Resp: 1343133

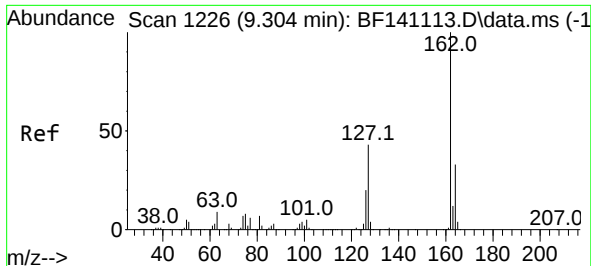
Ion Ratio Lower Upper

154 100

153 41.1 20.7 60.7

76 12.9 0.0 33.1

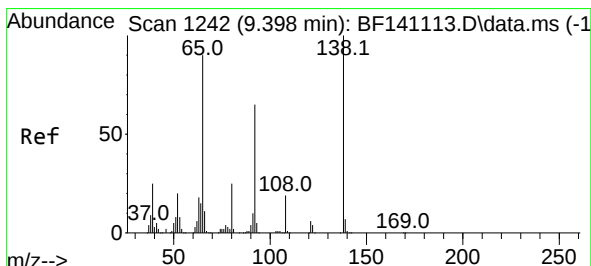
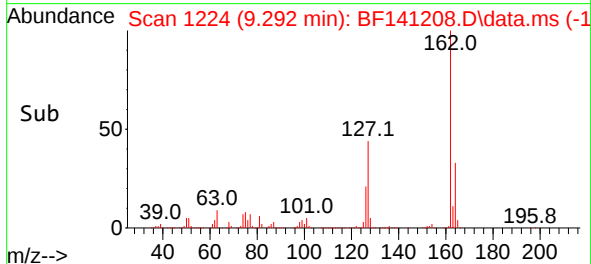
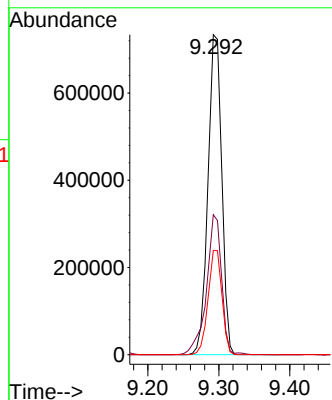
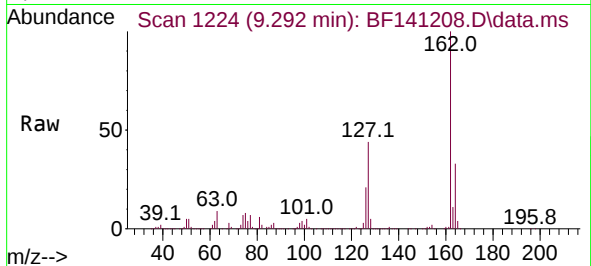




#47
2-Chloronaphthalene
Concen: 41.077 ng
RT: 9.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

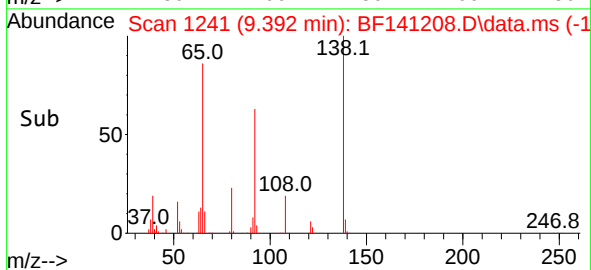
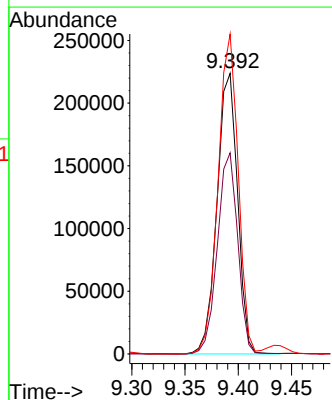
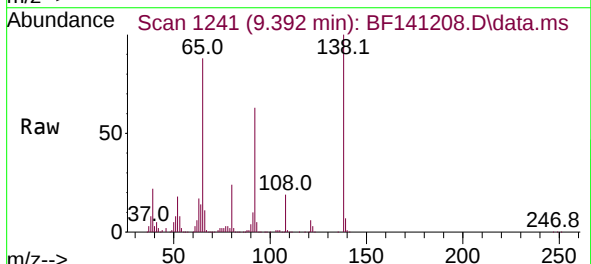
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

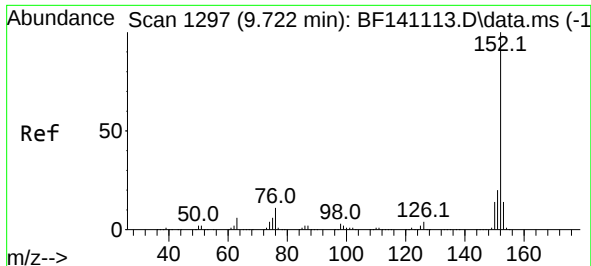
Tgt Ion:162 Resp: 993818
Ion Ratio Lower Upper
162 100
127 43.7 34.6 51.8
164 32.6 26.5 39.7



#48
2-Nitroaniline
Concen: 41.789 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion: 65 Resp: 299708
Ion Ratio Lower Upper
65 100
92 71.6 58.3 87.5
138 114.0 89.1 133.7





#49

Acenaphthylene

Concen: 43.444 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

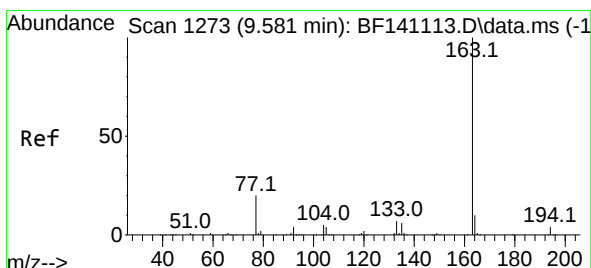
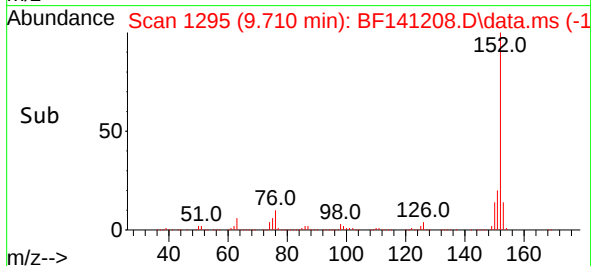
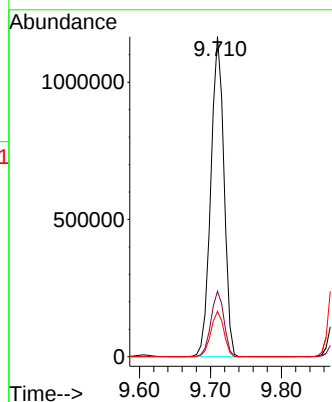
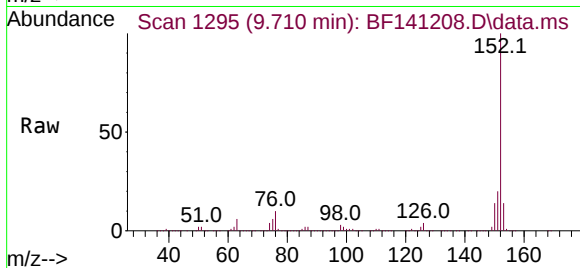
Tgt Ion:152 Resp: 1501704

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 14.1 11.1 16.7



#50

Dimethylphthalate

Concen: 44.472 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

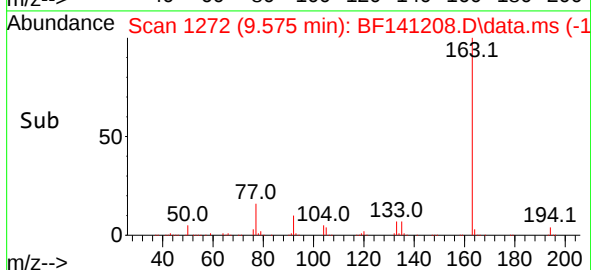
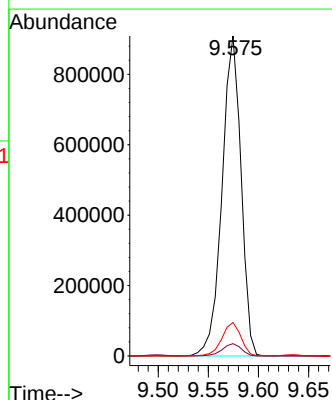
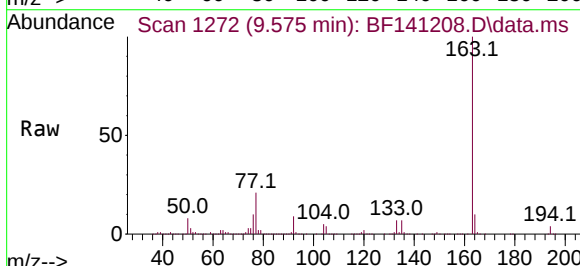
Tgt Ion:163 Resp: 1194201

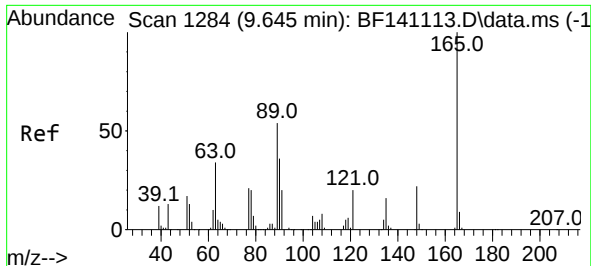
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.5 8.2 12.4

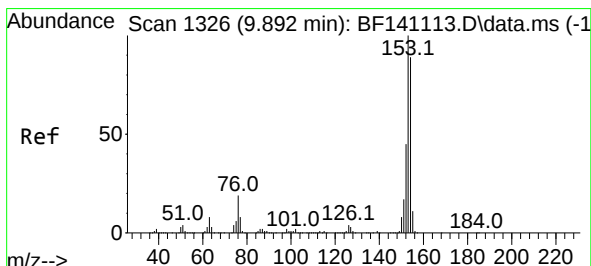
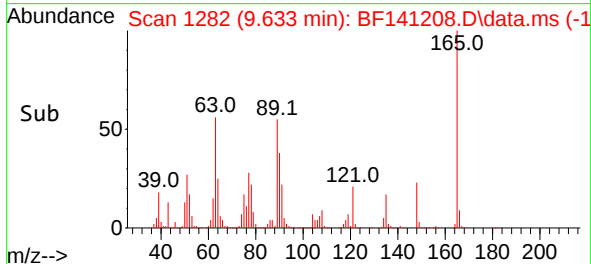
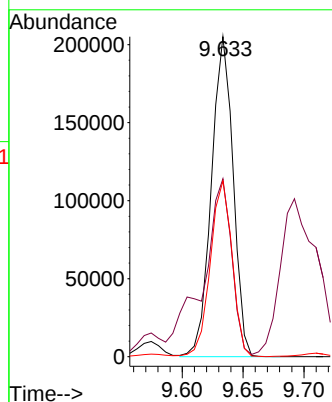
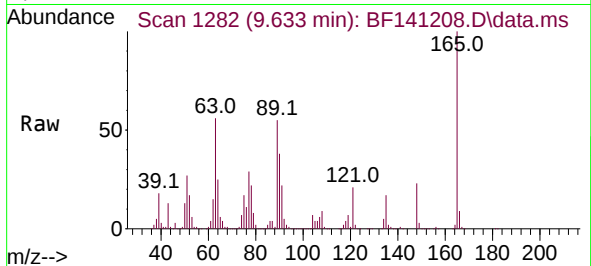




#51
2,6-Dinitrotoluene
Concen: 40.707 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

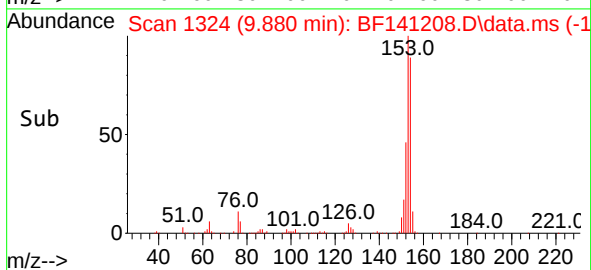
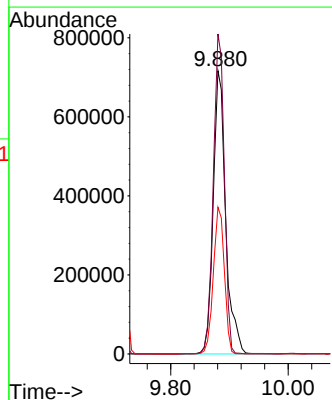
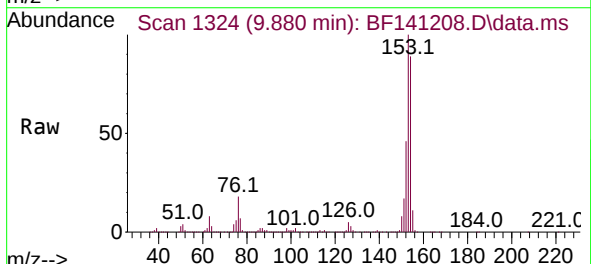
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

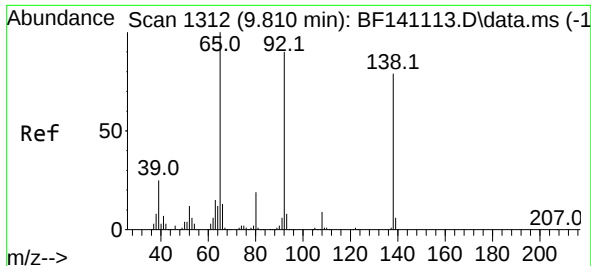
Tgt Ion:165 Resp: 254198
Ion Ratio Lower Upper
165 100
63 55.6 42.3 63.5
89 55.0 43.1 64.7



#52
Acenaphthene
Concen: 43.889 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:154 Resp: 1059901
Ion Ratio Lower Upper
154 100
153 113.0 89.8 134.6
152 51.8 40.8 61.2

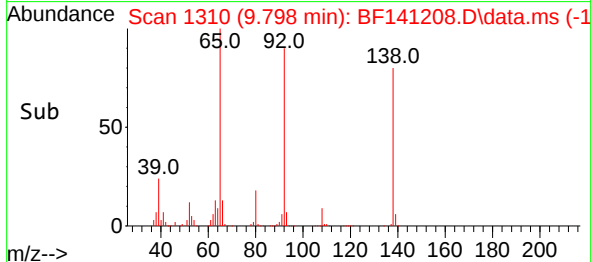
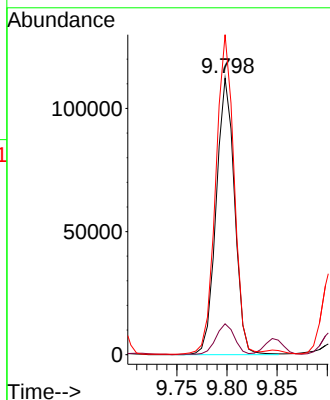
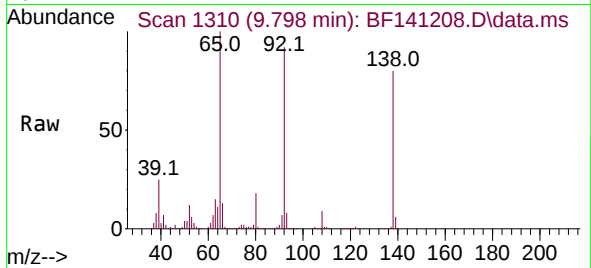




#53
3-Nitroaniline
Concen: 22.526 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

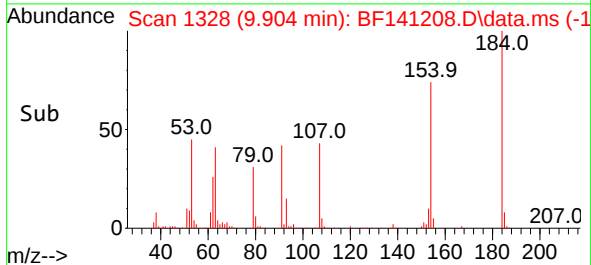
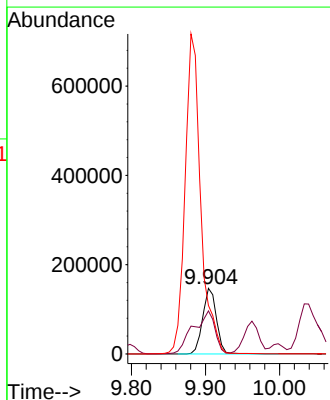
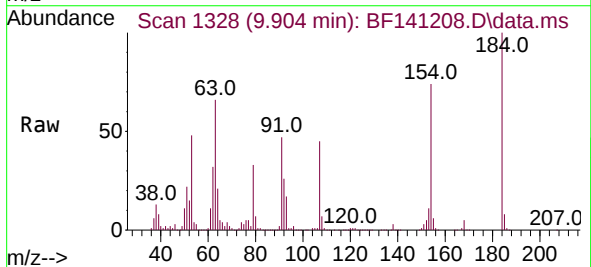
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

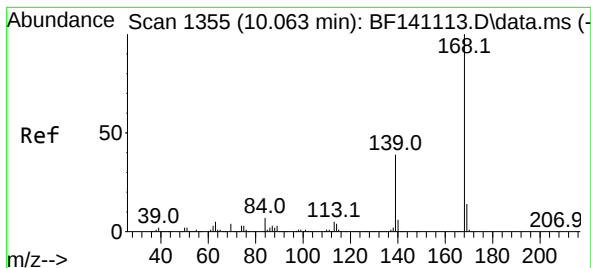
Tgt Ion:138 Resp: 142946
Ion Ratio Lower Upper
138 100
108 11.2 8.8 13.2
92 115.7 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 64.078 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:184 Resp: 190191
Ion Ratio Lower Upper
184 100
63 65.6 48.7 73.1
154 74.0 57.1 85.7

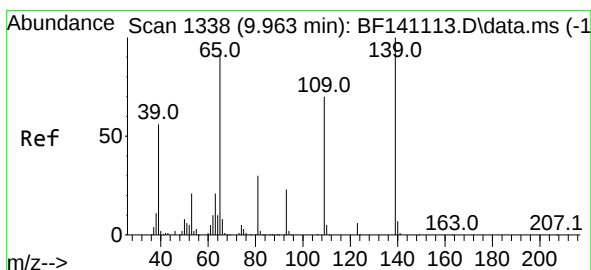
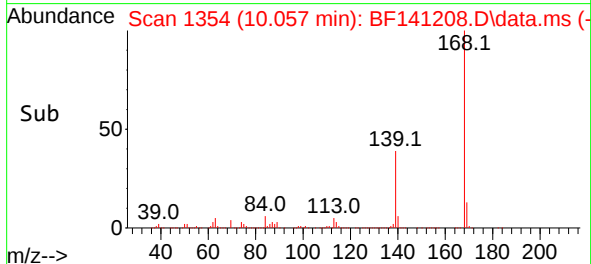
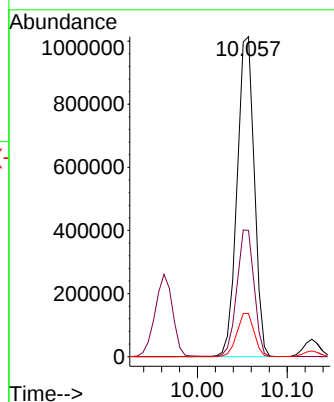
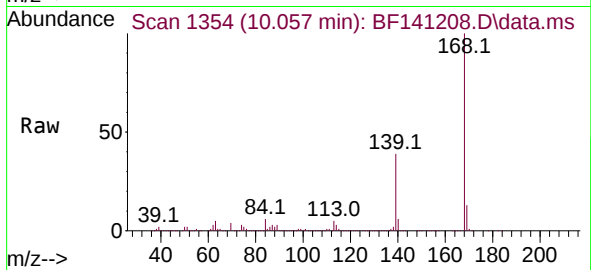




#55
Dibenzenofuran
Concen: 41.031 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

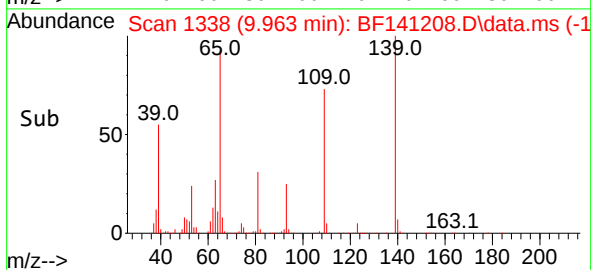
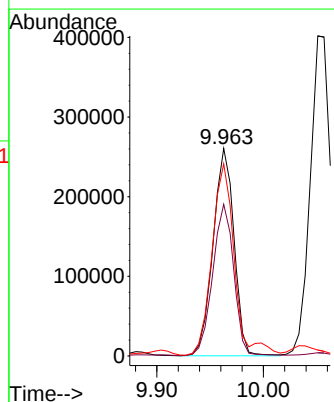
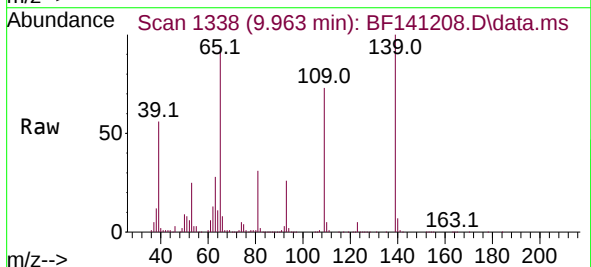
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

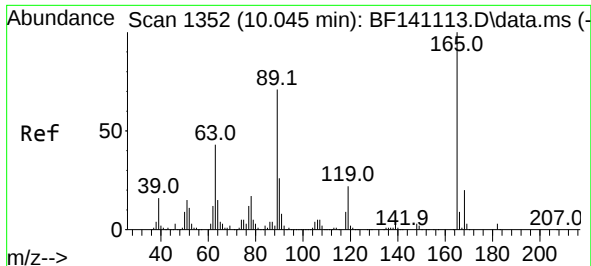
Tgt Ion:168 Resp: 1347796
Ion Ratio Lower Upper
168 100
139 39.5 31.4 47.0
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 71.554 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:139 Resp: 355604
Ion Ratio Lower Upper
139 100
109 73.1 50.2 90.2
65 92.7 72.1 112.1

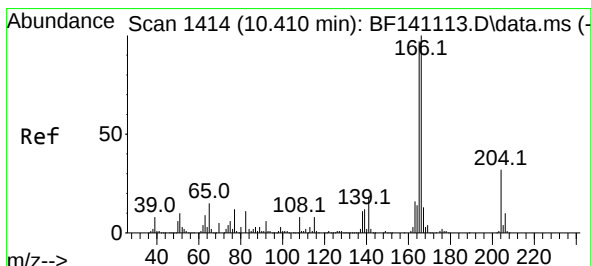
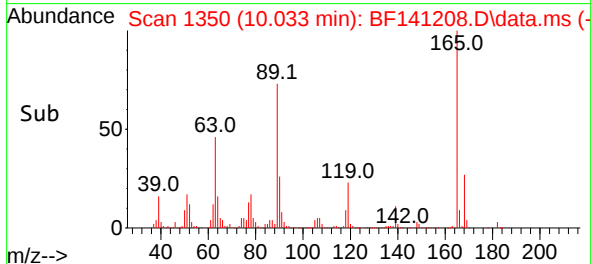
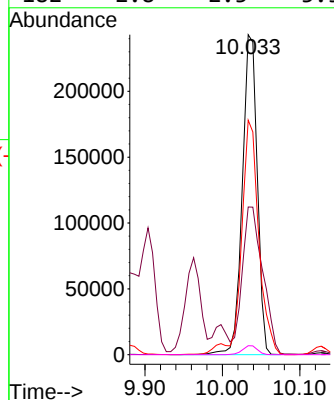
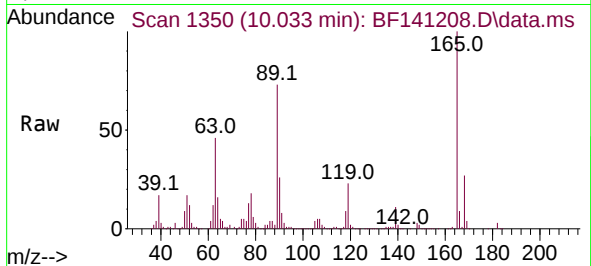




#57
2,4-Dinitrotoluene
Concen: 40.444 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

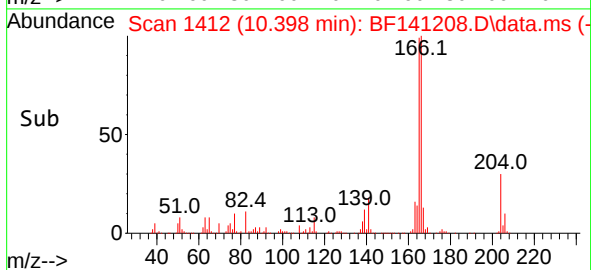
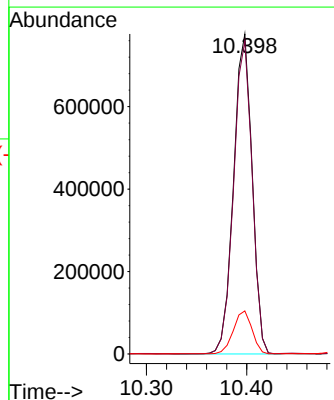
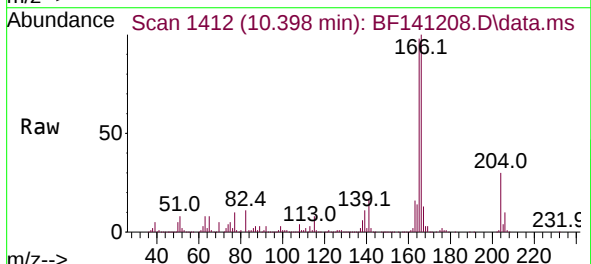
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:165 Resp: 325472
Ion Ratio Lower Upper
165 100
63 46.1 35.0 52.4
89 73.3 56.7 85.1
182 2.8 2.3 3.5



#58
Fluorene
Concen: 39.132 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:166 Resp: 998649
Ion Ratio Lower Upper
166 100
165 97.8 77.8 116.8
167 13.5 10.8 16.2

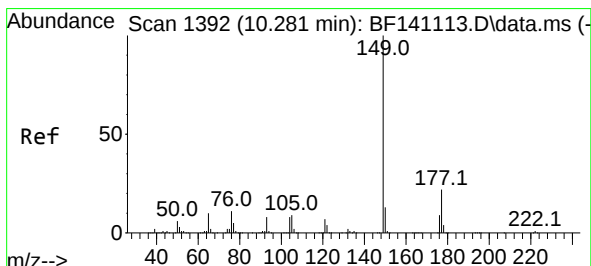
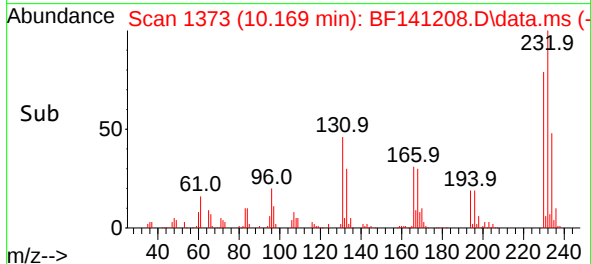
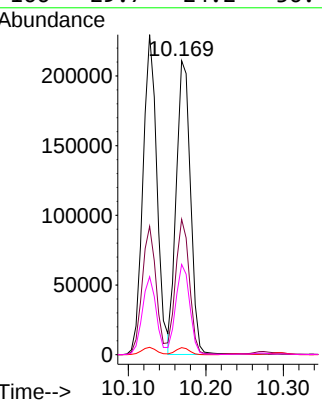
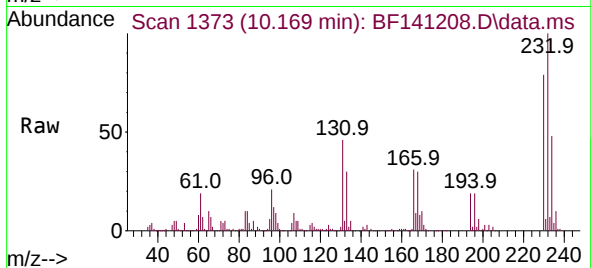




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.475 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

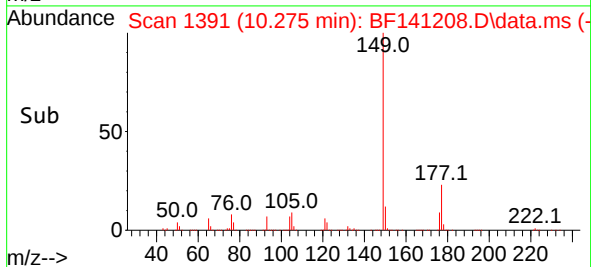
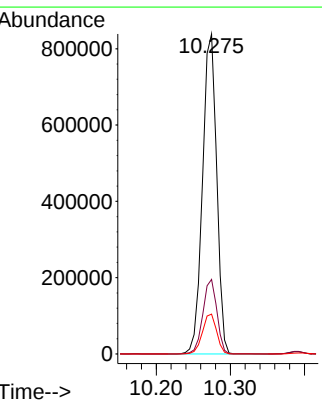
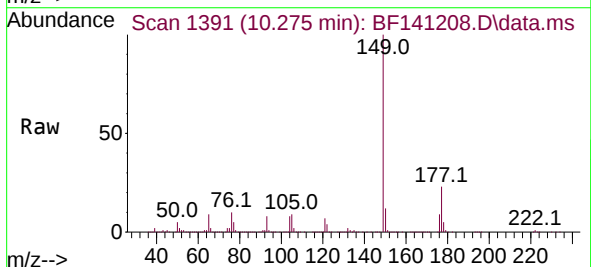
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

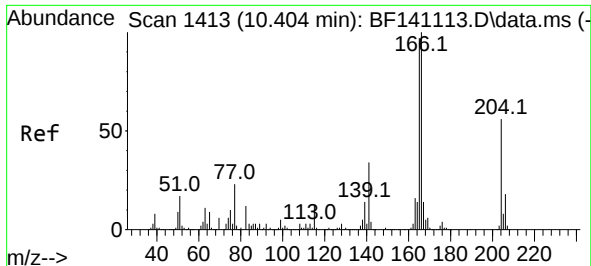
Tgt Ion:232 Resp: 268317
Ion Ratio Lower Upper
232 100
131 45.5 36.2 54.4
130 2.3 2.0 3.0
166 29.7 24.2 36.4



#60
Diethylphthalate
Concen: 42.397 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:149 Resp: 1111436
Ion Ratio Lower Upper
149 100
177 23.3 17.9 26.9
150 12.5 10.2 15.2

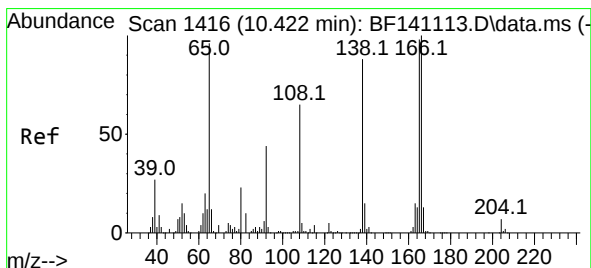
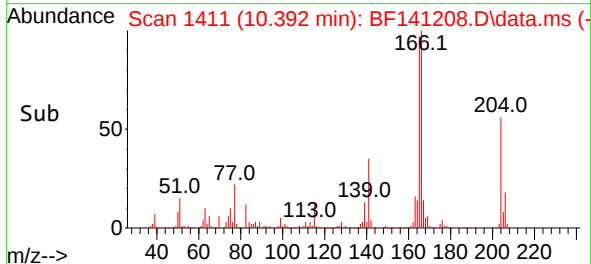
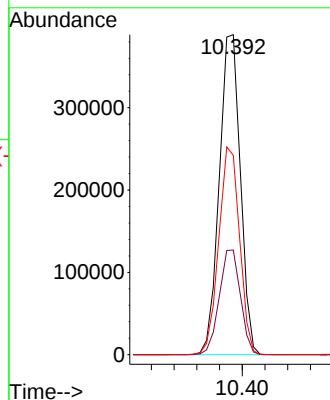
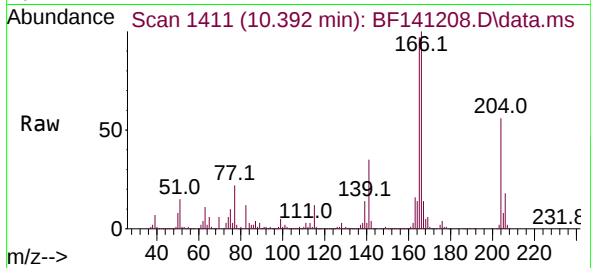




#61
4-Chlorophenyl-phenylether
Concen: 40.316 ng
RT: 10.392 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

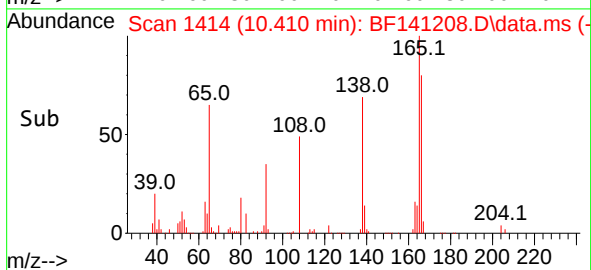
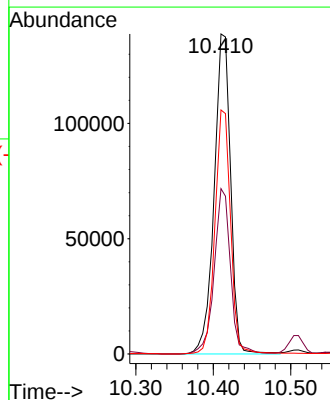
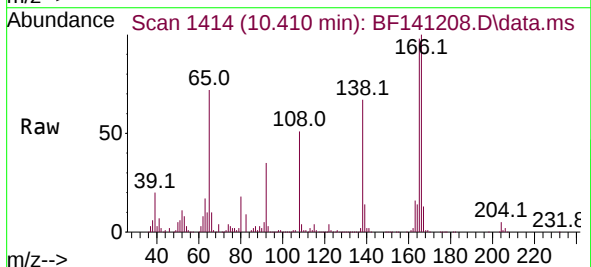
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

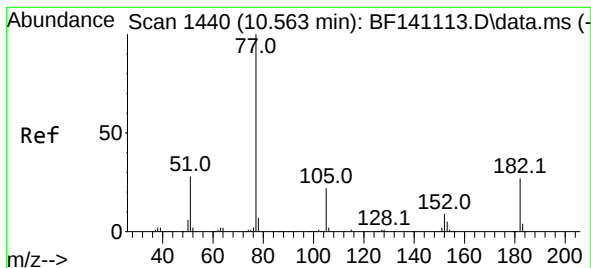
Tgt Ion:204 Resp: 501459
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 62.3 49.1 73.7



#62
4-Nitroaniline
Concen: 32.941 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:138 Resp: 204592
Ion Ratio Lower Upper
138 100
92 51.6 29.4 69.4
108 76.2 53.7 93.7





#63

Azobenzene

Concen: 41.990 ng

RT: 10.551 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

Tgt Ion: 77 Resp: 1086151

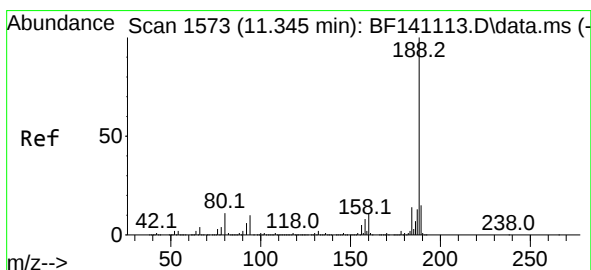
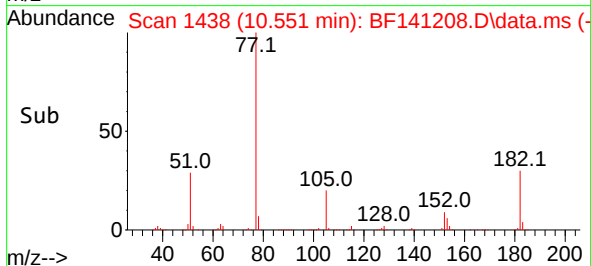
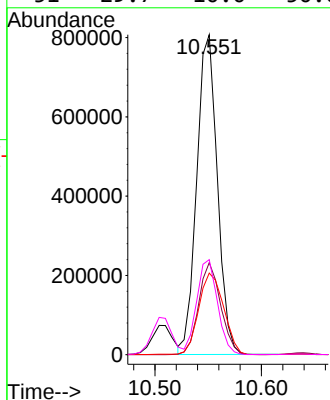
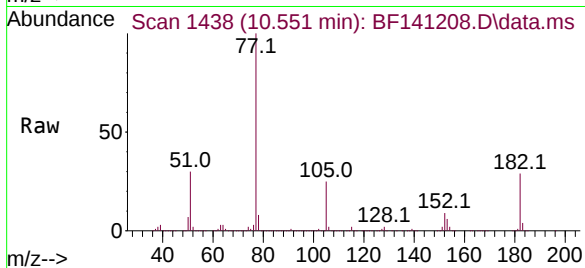
Ion Ratio Lower Upper

77 100

182 28.7 6.1 46.1

105 25.5 2.1 42.1

51 29.7 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

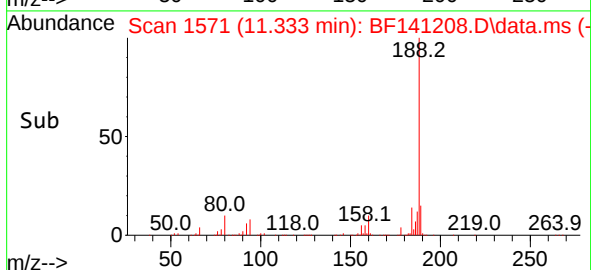
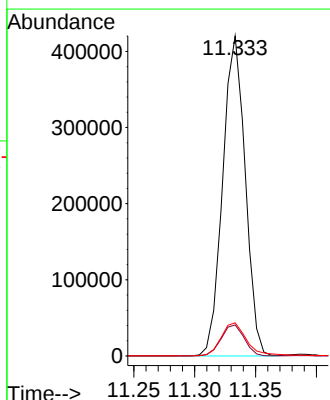
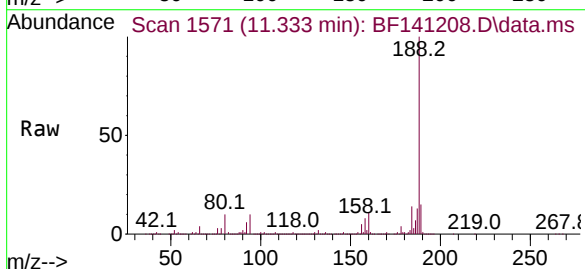
Tgt Ion:188 Resp: 540969

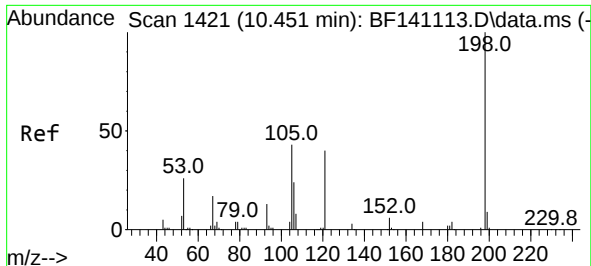
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.4 9.0 13.4

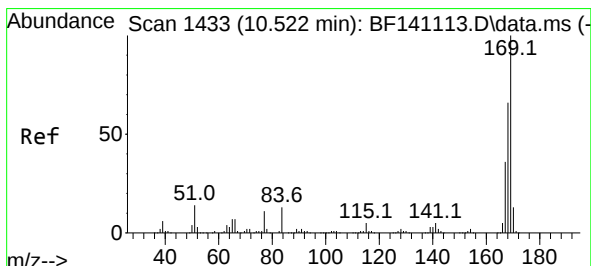
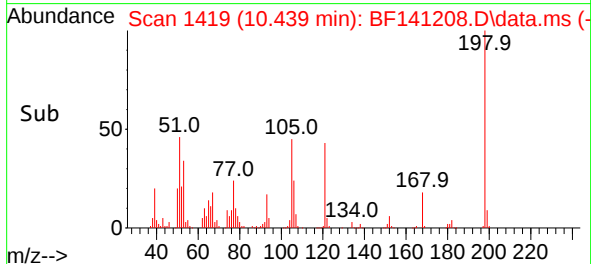
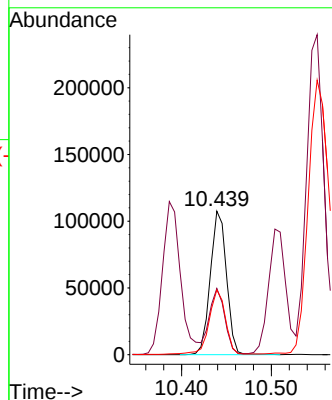
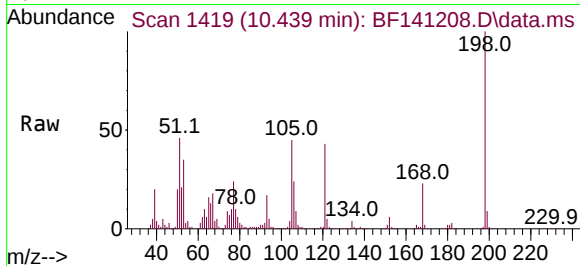




#65
4,6-Dinitro-2-methylphenol
Concen: 42.968 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

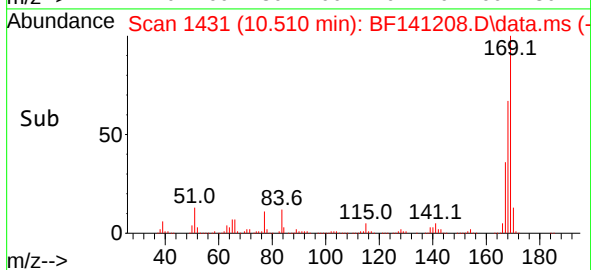
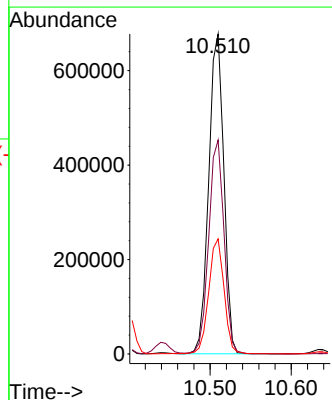
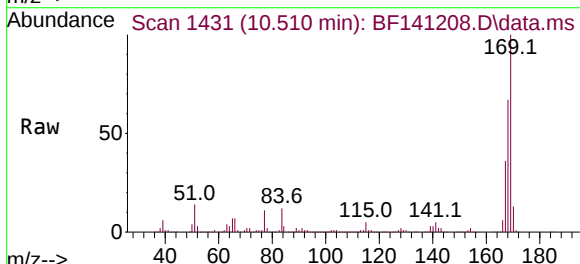
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:198 Resp: 134695
Ion Ratio Lower Upper
198 100
51 46.1 27.1 67.1
105 45.2 24.2 64.2



#66
n-Nitrosodiphenylamine
Concen: 50.083 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:169 Resp: 873889
Ion Ratio Lower Upper
169 100
168 66.9 52.5 78.7
167 35.9 28.9 43.3

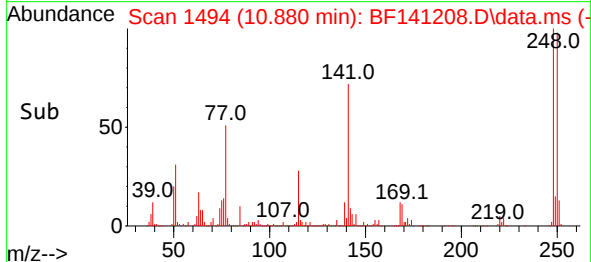
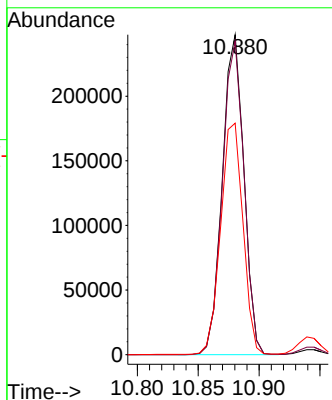
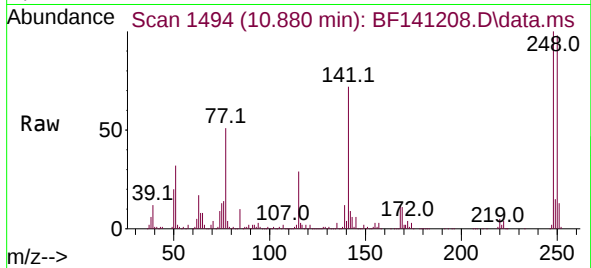




#67
4-Bromophenyl-phenylether
Concen: 49.077 ng
RT: 10.880 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

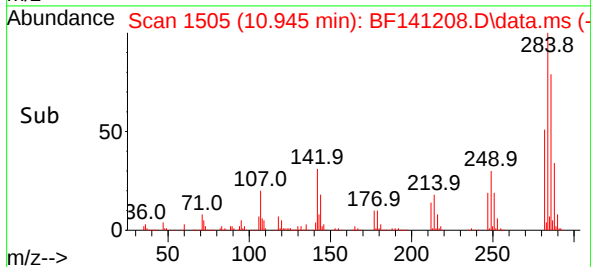
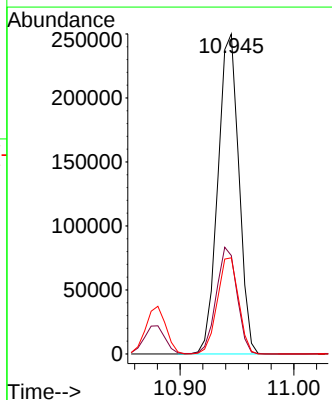
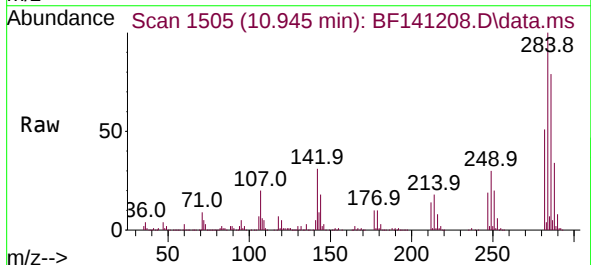
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

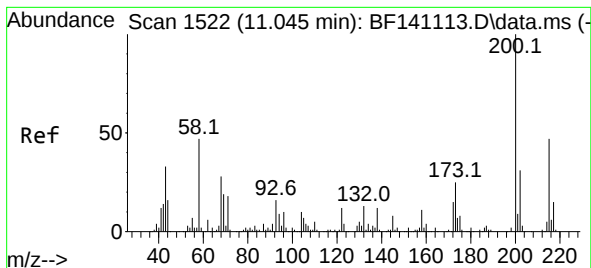
Tgt Ion:248 Resp: 305659
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 72.4 59.9 89.9



#68
Hexachlorobenzene
Concen: 46.229 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:284 Resp: 320510
Ion Ratio Lower Upper
284 100
142 30.8 26.3 39.5
249 30.0 24.9 37.3





#69

Atrazine

Concen: 59.403 ng

RT: 11.033 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

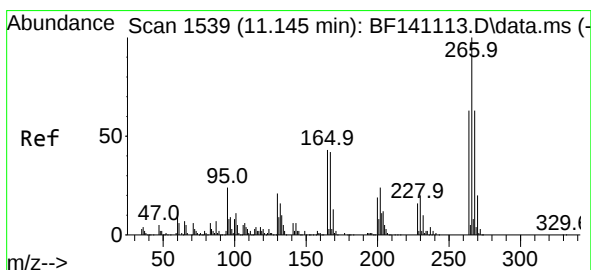
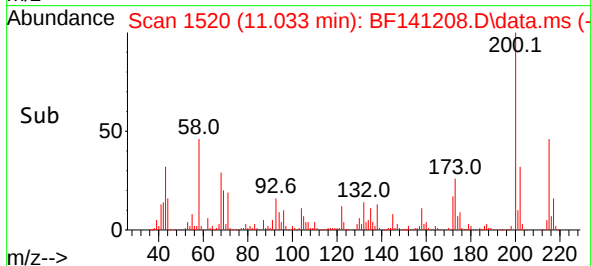
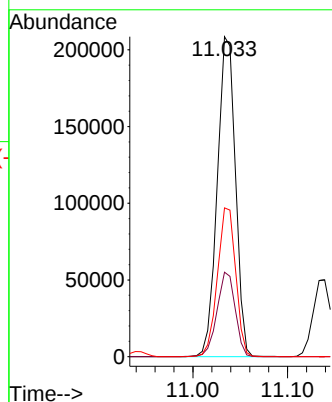
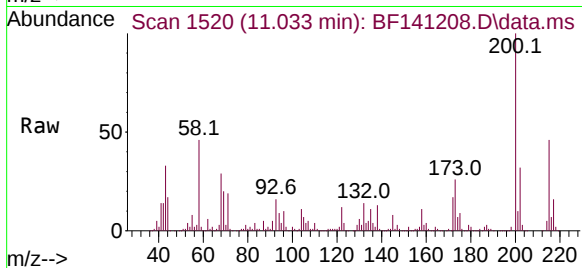
Tgt Ion:200 Resp: 279086

Ion Ratio Lower Upper

200 100

173 26.4 5.4 45.4

215 46.5 26.6 66.6



#70

Pentachlorophenol

Concen: 81.033 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

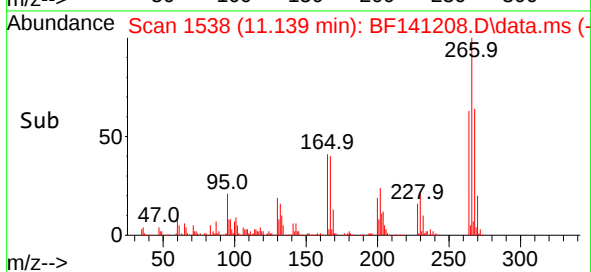
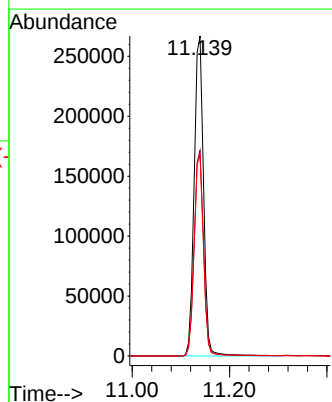
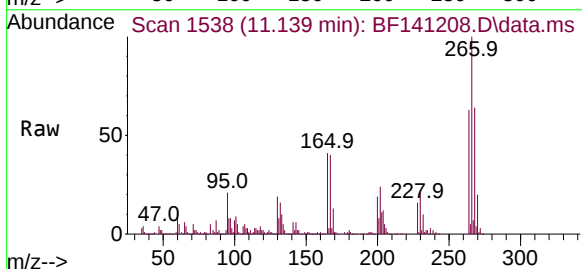
Tgt Ion:266 Resp: 359785

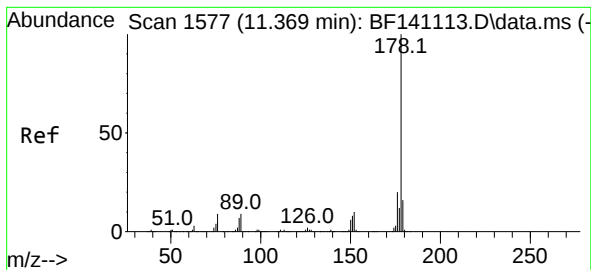
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

264 62.7 50.2 75.2





#71

Phenanthrene

Concen: 49.876 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

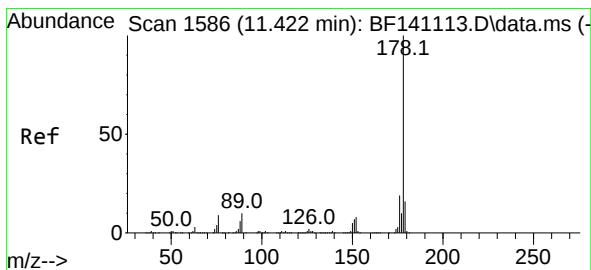
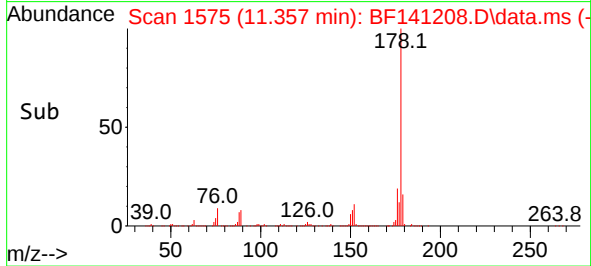
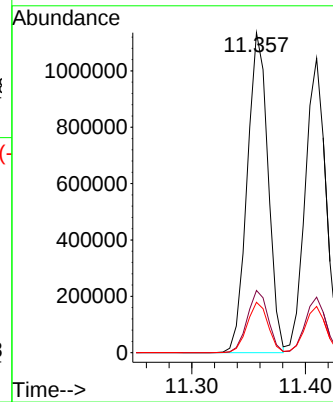
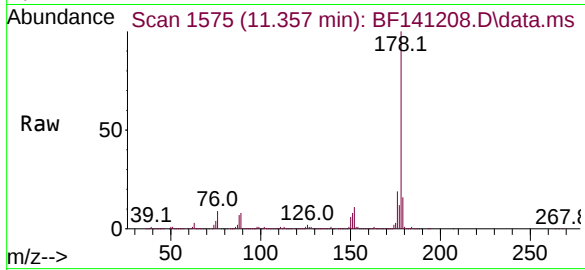
Tgt Ion:178 Resp: 1448535

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.7 12.6 19.0



#72

Anthracene

Concen: 46.441 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

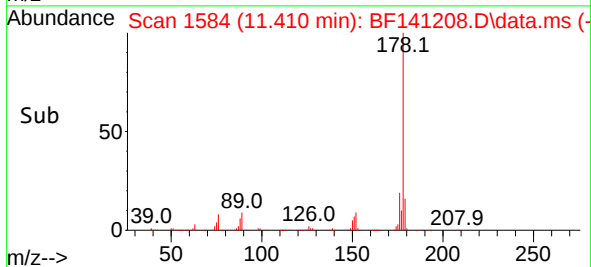
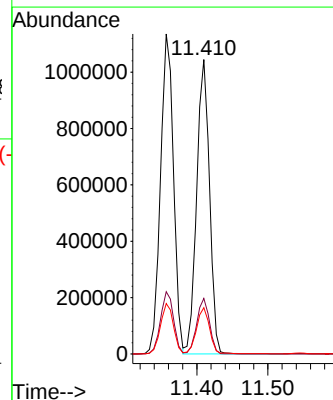
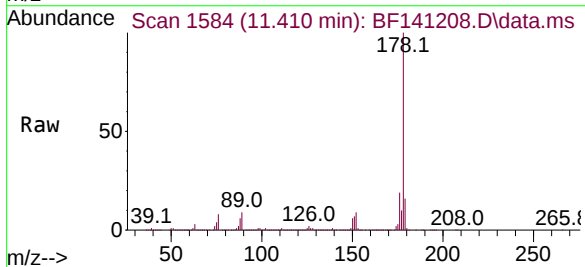
Tgt Ion:178 Resp: 1311476

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.7 12.6 19.0

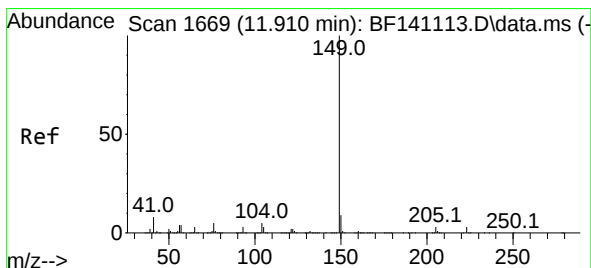
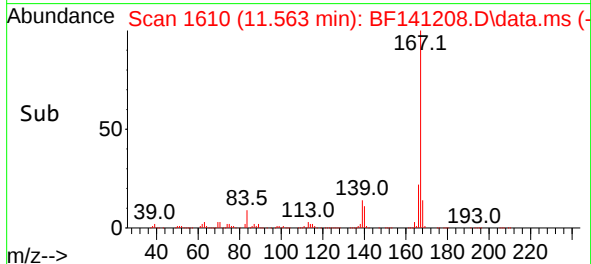
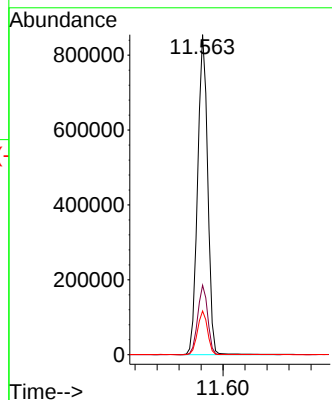
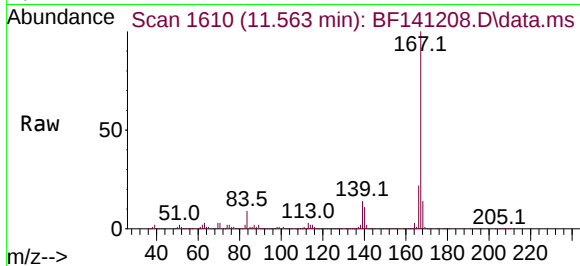




#73
 Carbazole
 Concen: 41.955 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

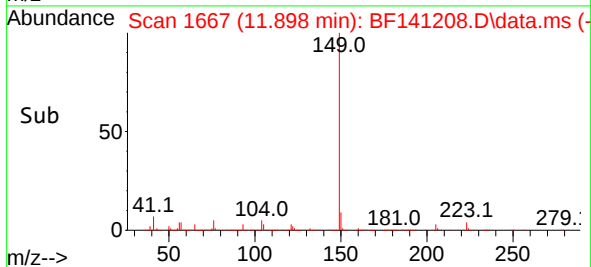
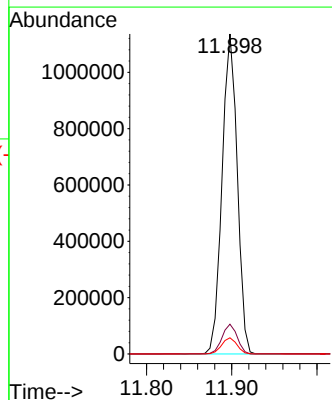
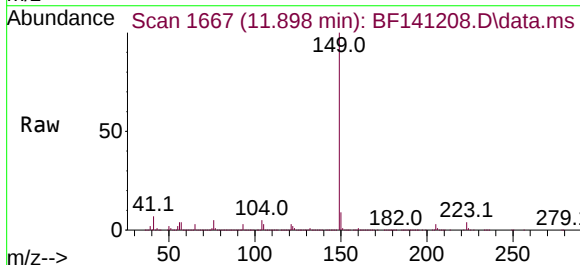
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214MSD

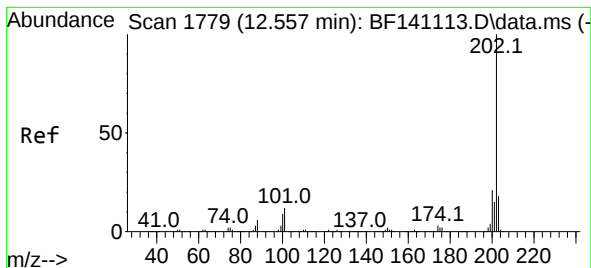
Tgt Ion:167 Resp: 1086397
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 13.7 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 47.444 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141208.D
 Acq: 17 Jan 2025 22:04

Tgt Ion:149 Resp: 1405927
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 47.330 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

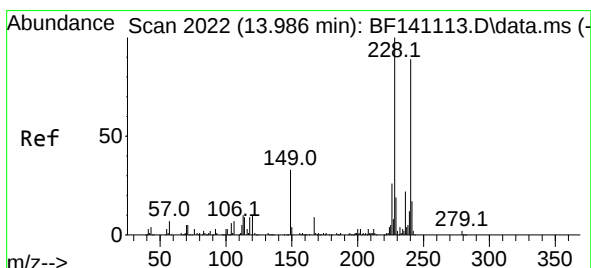
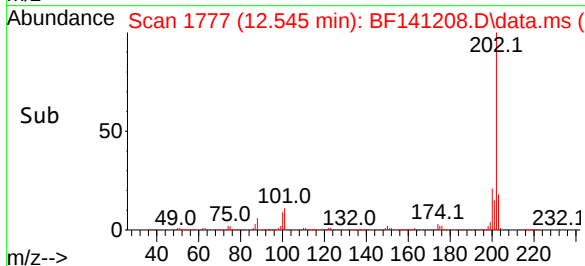
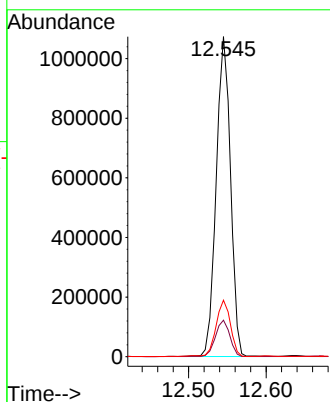
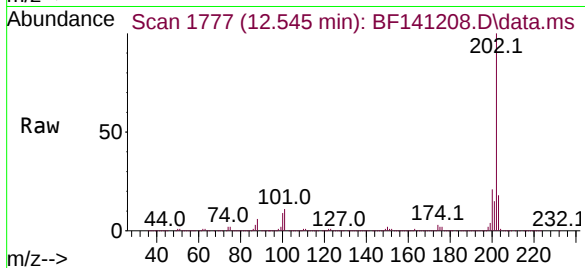
Tgt Ion:202 Resp: 1371718

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

203 17.7 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

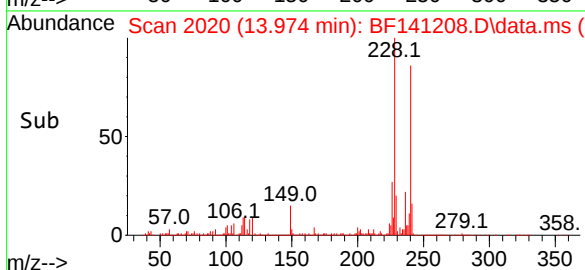
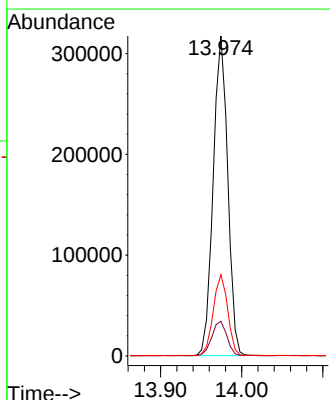
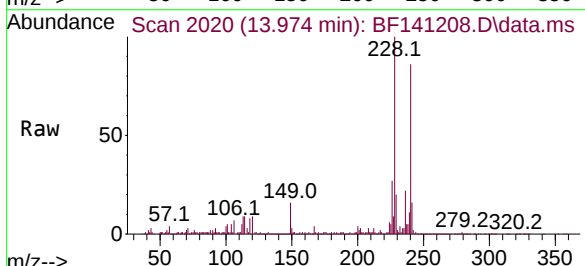
Tgt Ion:240 Resp: 394660

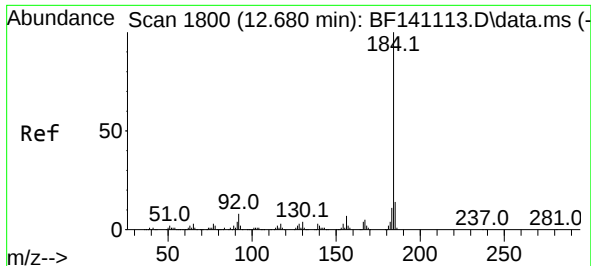
Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

236 25.4 19.8 29.6

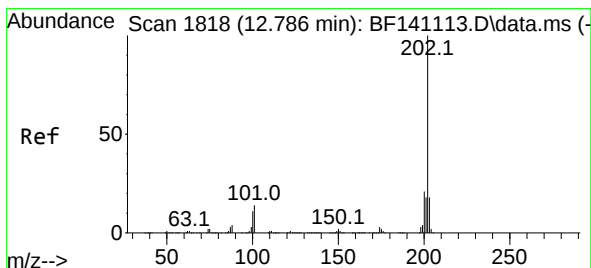
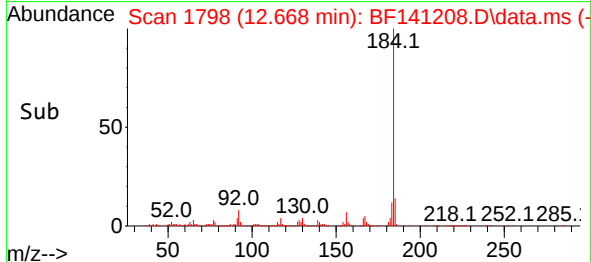
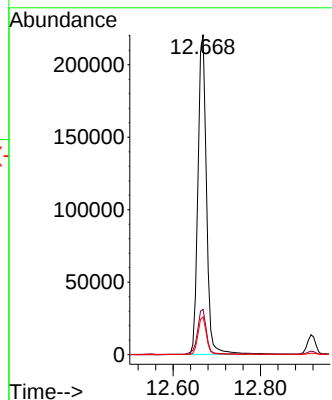
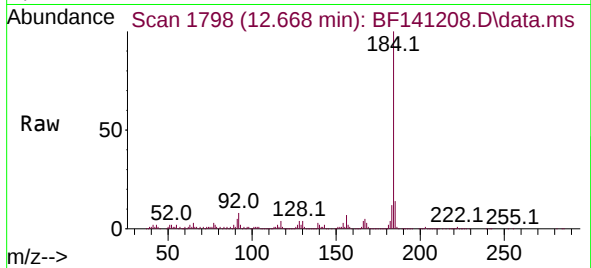




#77
Benzidine
Concen: 41.091 ng
RT: 12.668 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

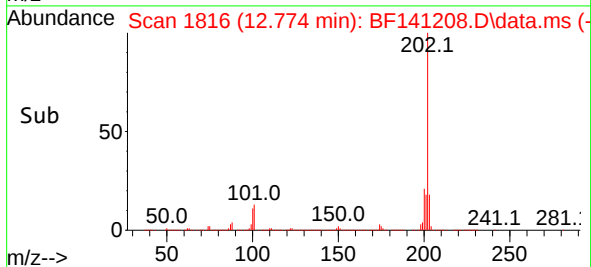
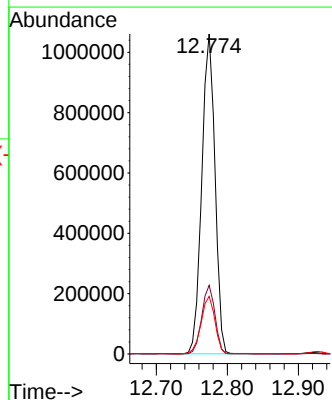
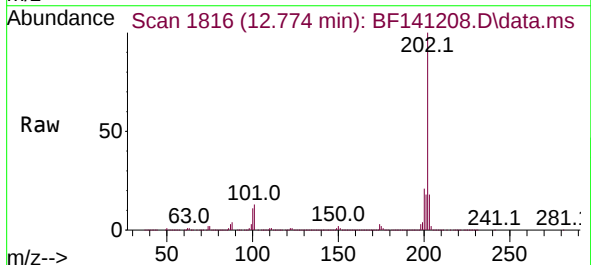
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

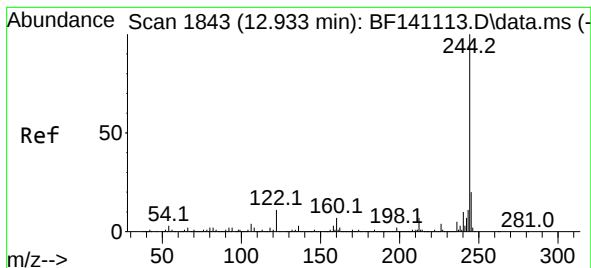
Tgt Ion:184 Resp: 300734
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.0
183 11.8 9.2 13.8



#78
Pyrene
Concen: 36.463 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:202 Resp: 1374473
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 49.946 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

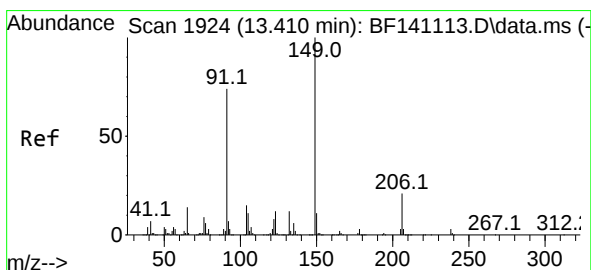
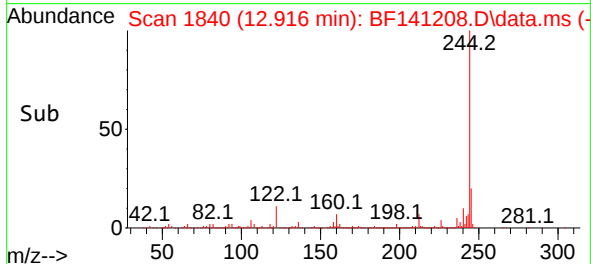
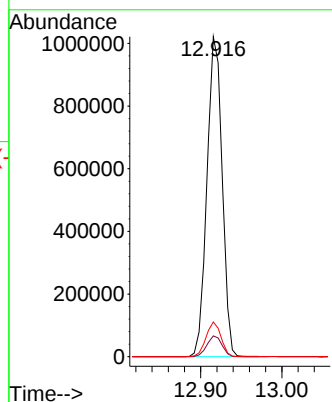
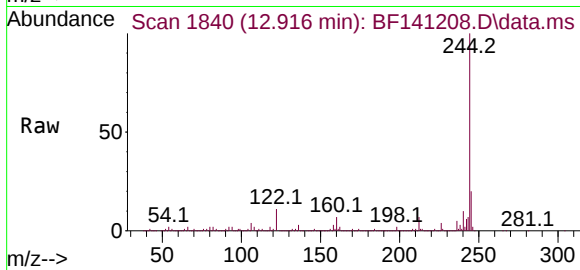
Tgt Ion:244 Resp: 1326218

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 40.294 ng

RT: 13.398 min Scan# 1922

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

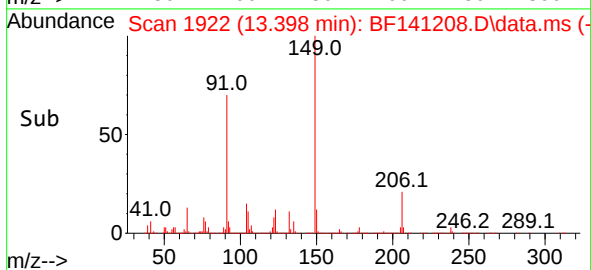
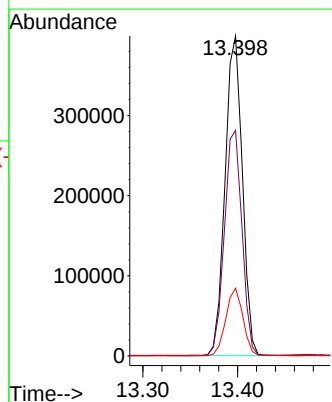
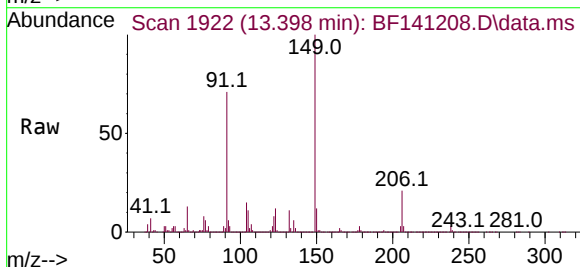
Tgt Ion:149 Resp: 506409

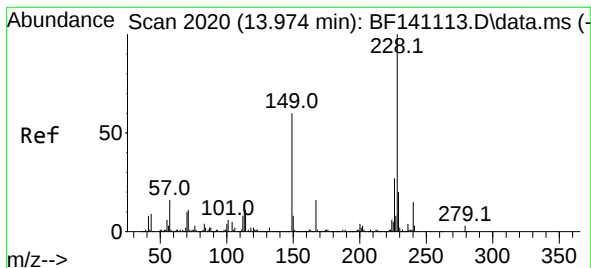
Ion Ratio Lower Upper

149 100

91 70.5 59.0 88.6

206 21.1 16.5 24.7





#81

Benzo(a)anthracene

Concen: 43.642 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

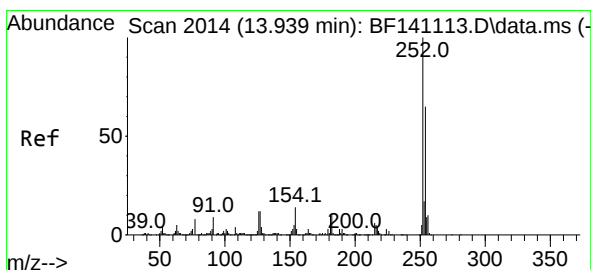
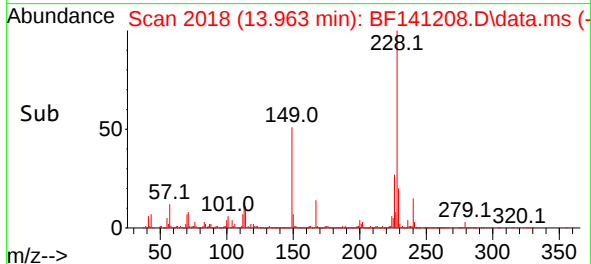
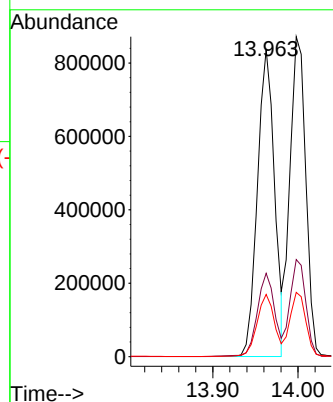
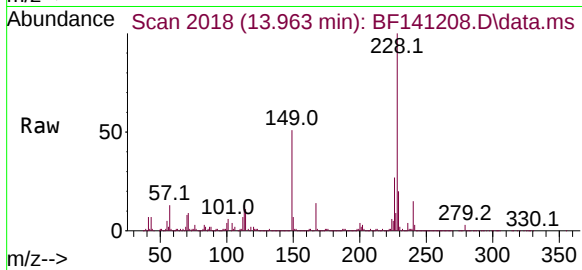
Tgt Ion:228 Resp: 1172181

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 25.380 ng

RT: 13.927 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

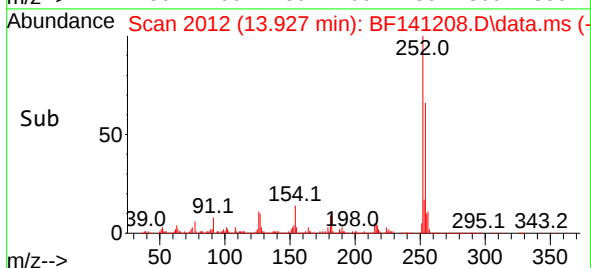
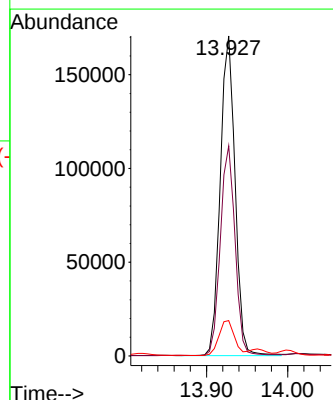
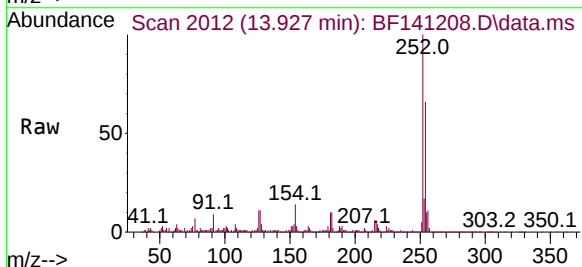
Tgt Ion:252 Resp: 217060

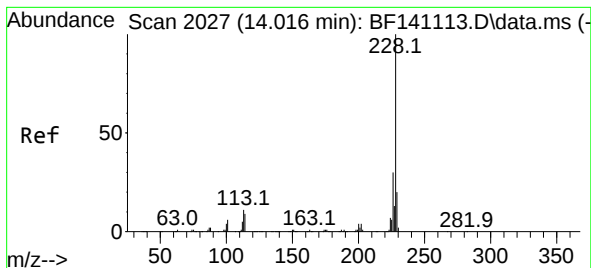
Ion Ratio Lower Upper

252 100

254 65.6 52.0 78.0

126 11.1 9.4 14.0





#83

Chrysene

Concen: 44.600 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

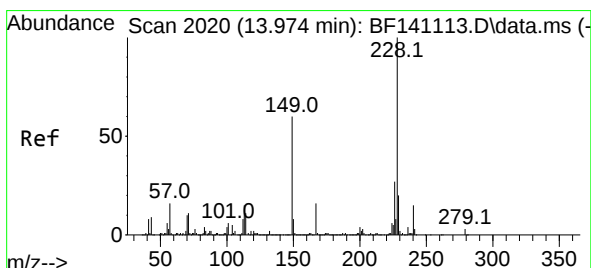
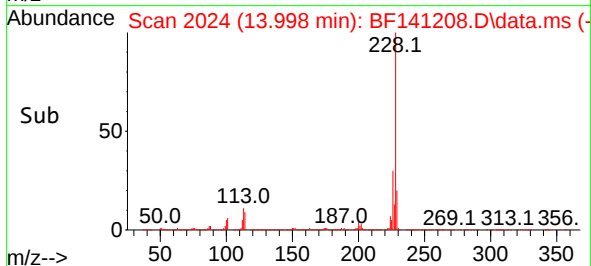
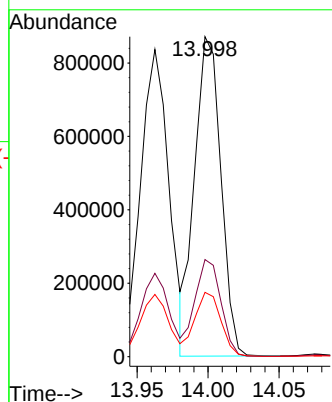
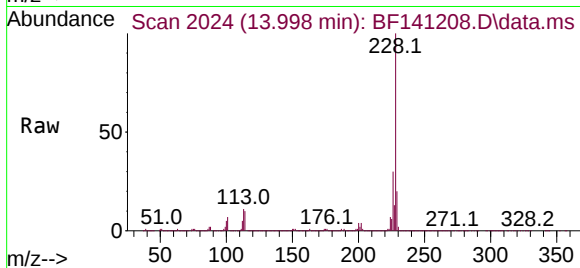
Tgt Ion:228 Resp: 1120867

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 20.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.752 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

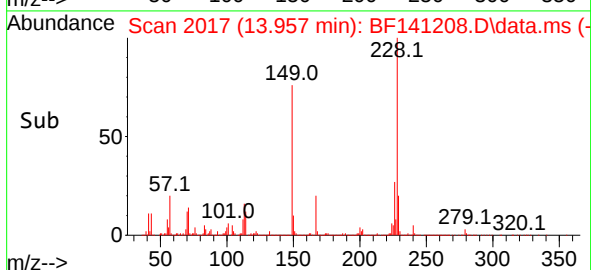
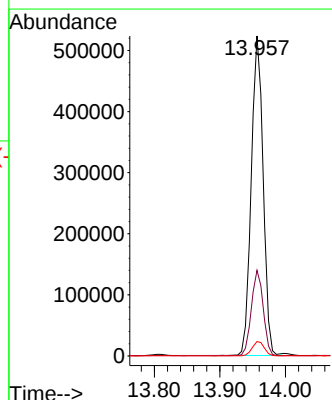
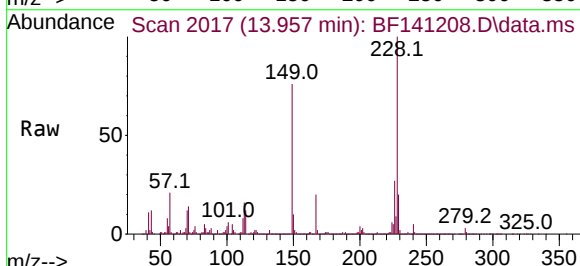
Tgt Ion:149 Resp: 659764

Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.2

279 4.5 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 51.125 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

Instrument :

BNA_F

ClientSampleId :

VNJ-214MSD

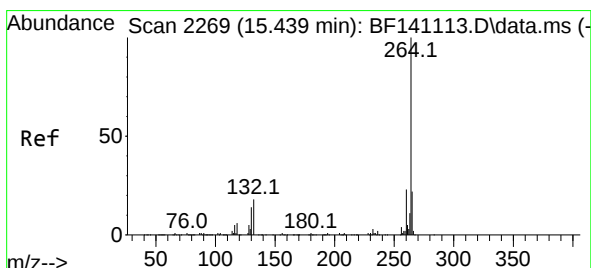
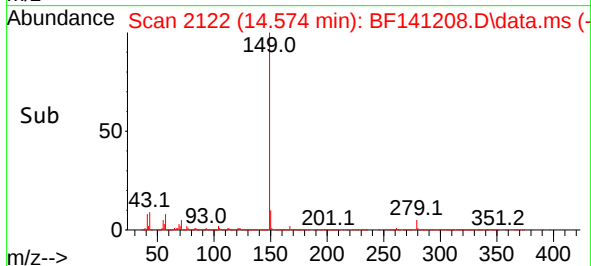
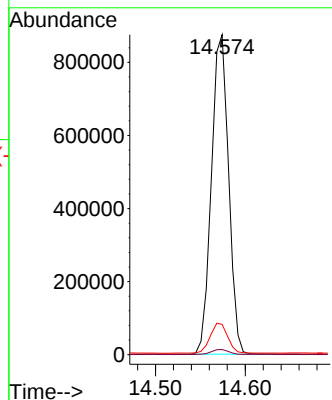
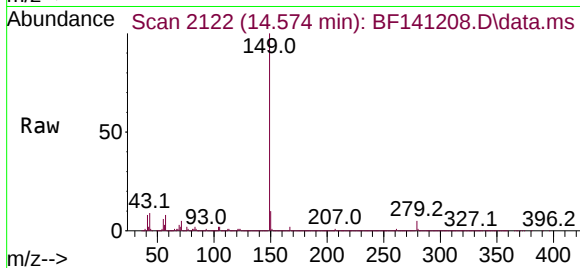
Tgt Ion:149 Resp: 1164172

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.5 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141208.D

Acq: 17 Jan 2025 22:04

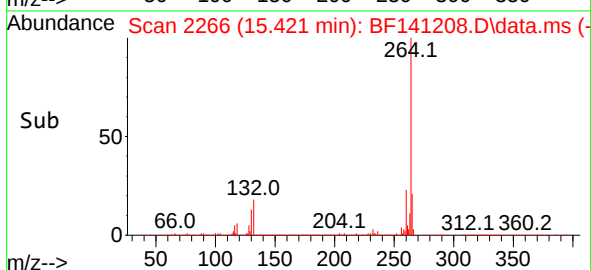
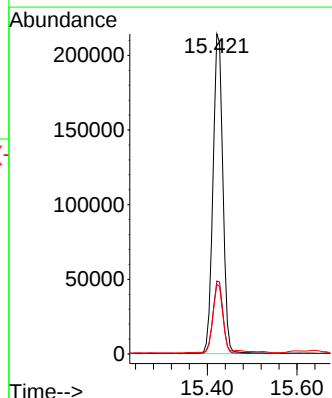
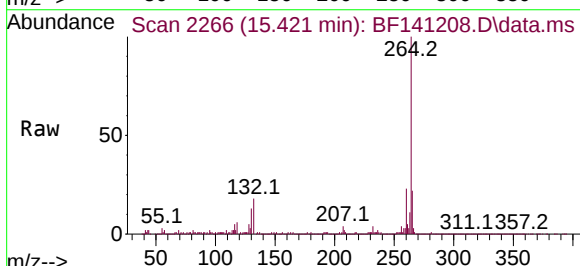
Tgt Ion:264 Resp: 327550

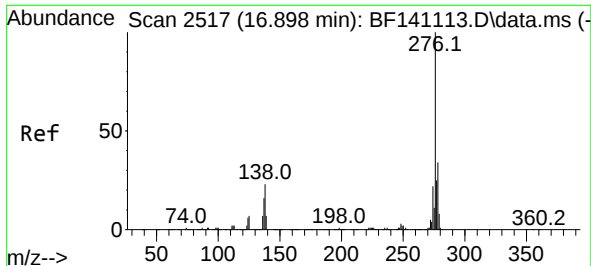
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.7 17.4 26.0

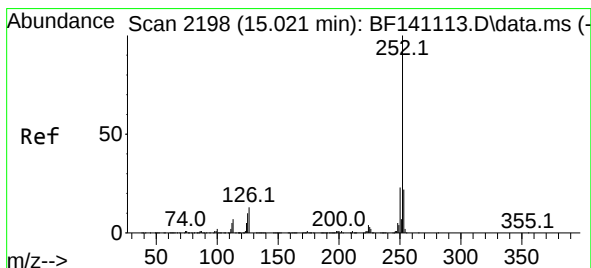
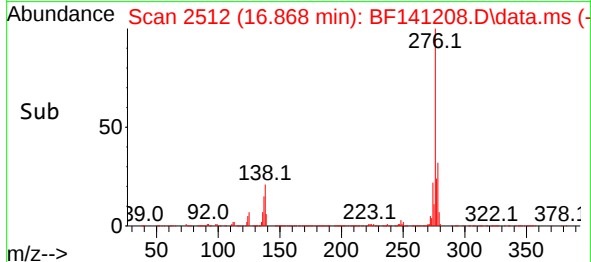
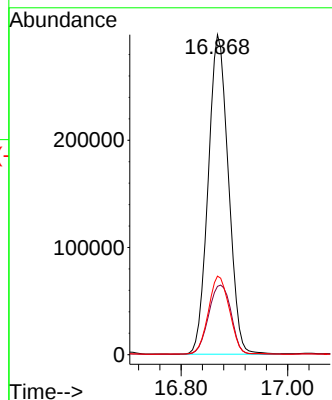
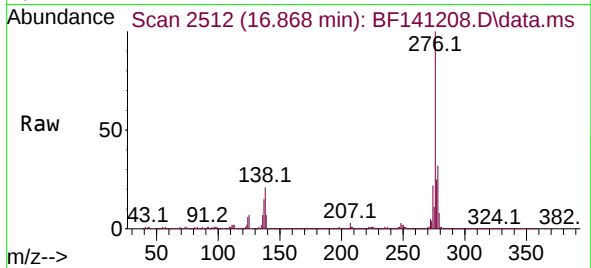




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.729 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

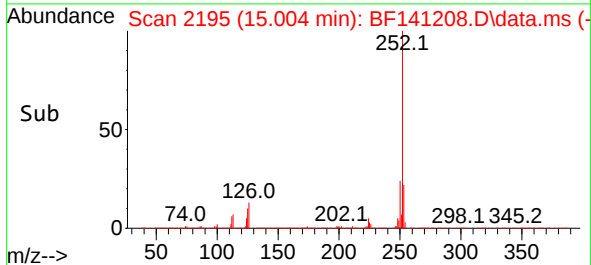
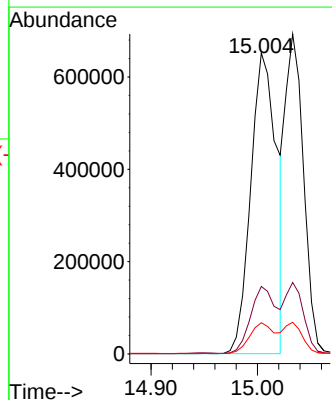
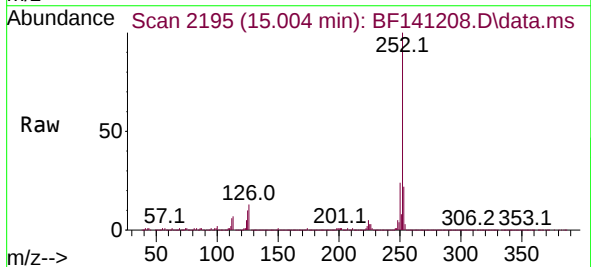
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

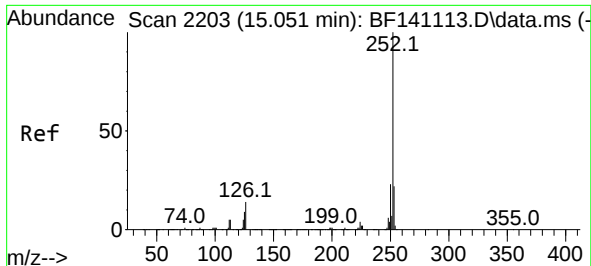
Tgt Ion:276 Resp: 785399
Ion Ratio Lower Upper
276 100
138 24.2 20.7 31.1
277 25.2 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 52.339 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:252 Resp: 1105480
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.3 8.1 12.1

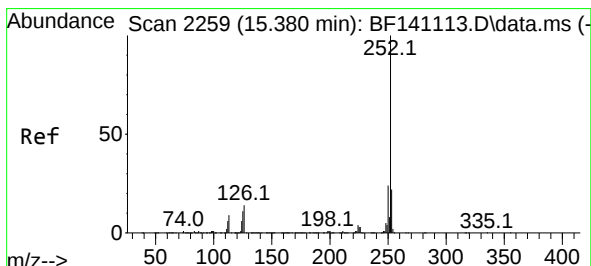
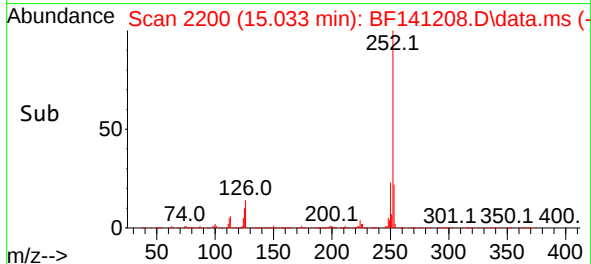
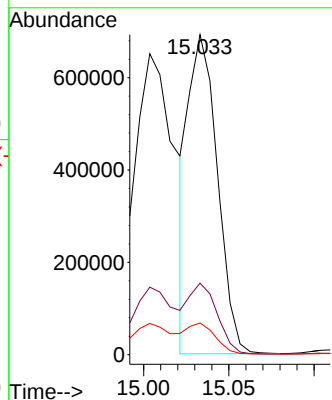
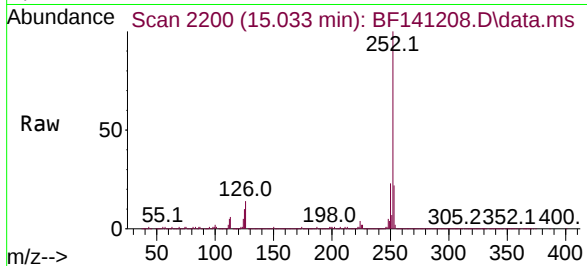




#89
Benzo(k)fluoranthene
Concen: 45.817 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

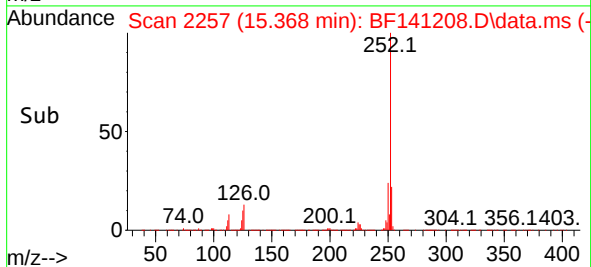
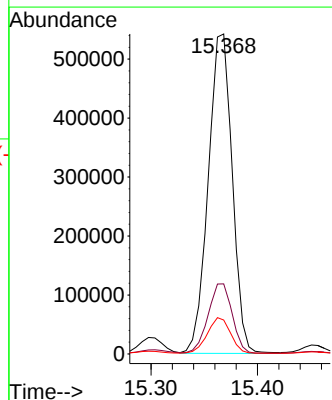
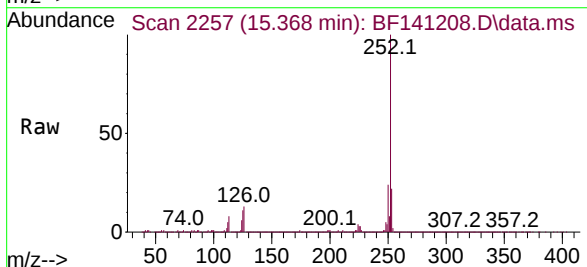
Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

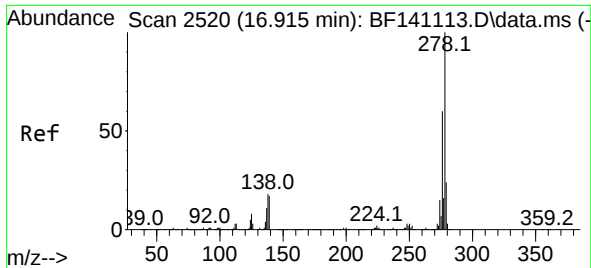
Tgt Ion:252 Resp: 817819
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.9 7.9 11.9



#90
Benzo(a)pyrene
Concen: 48.654 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:252 Resp: 847856
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.6 9.1 13.7

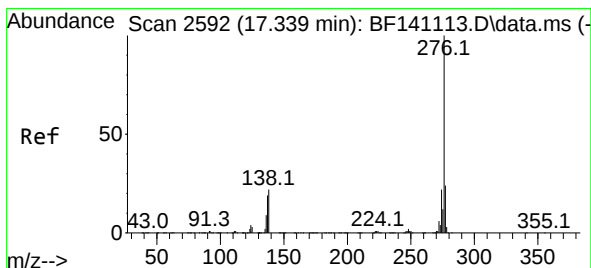
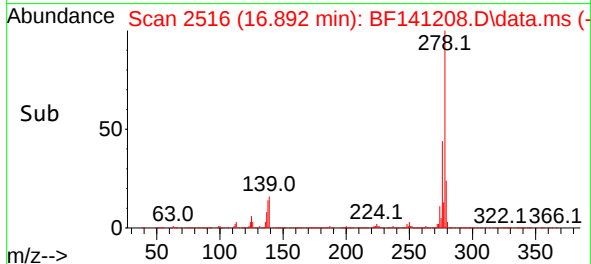
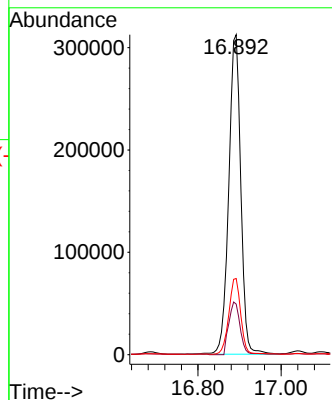
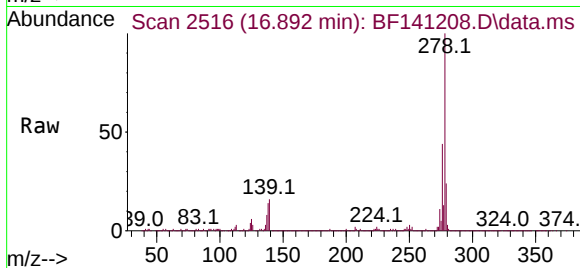




#91
Dibenzo(a,h)anthracene
Concen: 32.329 ng
RT: 16.892 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Instrument :
BNA_F
ClientSampleId :
VNJ-214MSD

Tgt Ion:278 Resp: 627479
Ion Ratio Lower Upper
278 100
139 15.8 13.8 20.6
279 23.8 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 28.653 ng
RT: 17.303 min Scan# 2586
Delta R.T. -0.035 min
Lab File: BF141208.D
Acq: 17 Jan 2025 22:04

Tgt Ion:276 Resp: 578450
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 21.2 17.4 26.2

