

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134320.D
 Acq On : 17 Jul 2023 17:35
 Operator : CG\JU
 Sample : 03615-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MS

Quant Time: Jul 18 01:13:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	74609	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	284284	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	139900	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	278974	20.000	ng	0.00
76) Chrysene-d12	14.033	240	153066	20.000	ng	0.00
86) Perylene-d12	15.533	264	131148	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	391881	87.862	ng	0.01
7) Phenol-d6	6.481	99	477570	87.066	ng	0.00
23) Nitrobenzene-d5	7.404	82	319844	60.648	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	152318	86.837	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	622203	64.662	ng	-0.01
79) Terphenyl-d14	12.963	244	599504	63.035	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	86365	46.961	ng	99
3) Pyridine	3.452	79	186105	38.850	ng	97
4) n-Nitrosodimethylamine	3.410	42	128286	46.889	ng	95
6) Aniline	6.504	93	247610	37.096	ng	92
8) 2-Chlorophenol	6.628	128	208135	45.970	ng	96
9) Benzaldehyde	6.393	77	130423	44.614	ng	96
10) Phenol	6.493	94	255414	44.287	ng	92
11) bis(2-Chloroethyl)ether	6.575	93	184978	43.565	ng	99
12) 1,3-Dichlorobenzene	6.781	146	226942	47.015	ng	98
13) 1,4-Dichlorobenzene	6.857	146	230457	47.268	ng	99
14) 1,2-Dichlorobenzene	7.004	146	216807	47.482	ng	98
15) Benzyl Alcohol	6.987	79	193391	45.734	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	295752	39.372	ng	94
17) 2-Methylphenol	7.098	107	168196	41.484	ng	94
18) Hexachloroethane	7.345	117	79672	44.072	ng	93
19) n-Nitroso-di-n-propyla...	7.251	70	146952	42.246	ng	98
20) 3+4-Methylphenols	7.251	107	212990	43.302	ng	96
22) Acetophenone	7.245	105	298530	46.174	ng	96
24) Nitrobenzene	7.422	77	227787	42.743	ng	95
25) Isophorone	7.657	82	397101	41.431	ng	98
26) 2-Nitrophenol	7.734	139	103589	40.519	ng	91
27) 2,4-Dimethylphenol	7.775	122	178978	44.227	ng	96
28) bis(2-Chloroethoxy)met...	7.869	93	229823	41.411	ng	100
29) 2,4-Dichlorophenol	7.981	162	173573	43.254	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	184013	44.441	ng	97
31) Naphthalene	8.140	128	584483	42.564	ng	99
32) Benzoic acid	7.898	122	116807	38.520	ng	92
33) 4-Chloroaniline	8.192	127	155059	26.398	ng	97
34) Hexachlorobutadiene	8.251	225	119308	45.678	ng	99
35) Caprolactam	8.569	113	42750	32.355	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	192454	42.691	ng	98
37) 2-Methylnaphthalene	8.834	142	379491	39.080	ng	96
38) 1-Methylnaphthalene	8.928	142	360677	39.954	ng	97
40) 1,2,4,5-Tetrachloroben...	8.998	216	186553	45.009	ng	98
41) Hexachlorocyclopentadiene	8.981	237	55983	28.470	ng	97
43) 2,4,6-Trichlorophenol	9.116	196	120412	42.676	ng	97

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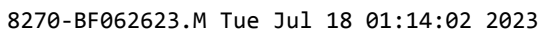
Instrument :
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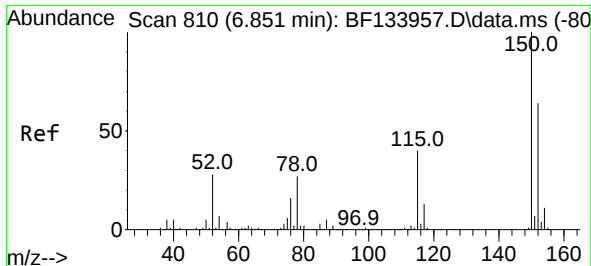
Quant Time: Jul 18 01:13:52 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.157	196	130688	39.377	ng	98
46) 1,1'-Biphenyl	9.298	154	488300	43.512	ng	97
47) 2-Chloronaphthalene	9.322	162	354999	43.235	ng	98
48) 2-Nitroaniline	9.422	65	127805	42.709	ng	98
49) Acenaphthylene	9.739	152	578110	41.216	ng	99
50) Dimethylphthalate	9.598	163	433648	42.701	ng	99
51) 2,6-Dinitrotoluene	9.669	165	89544	40.938	ng	96
52) Acenaphthene	9.910	154	341863	42.004	ng	97
53) 3-Nitroaniline	9.839	138	101077	38.520	ng	99
54) 2,4-Dinitrophenol	9.951	184	21433	20.012	ng	# 85
55) Dibenzofuran	10.081	168	524016	41.197	ng	96
56) 4-Nitrophenol	10.010	139	132369	72.117	ng	97
57) 2,4-Dinitrotoluene	10.075	165	114775	39.734	ng	89
58) Fluorene	10.428	166	419371	42.379	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	103906	39.690	ng	97
60) Diethylphthalate	10.298	149	454956	43.000	ng	98
61) 4-Chlorophenyl-phenyle...	10.416	204	198809	41.688	ng	95
62) 4-Nitroaniline	10.457	138	95832	36.238	ng	98
63) Azobenzene	10.581	77	399712	39.939	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	18228	11.985	ng	90
66) n-Nitrosodiphenylamine	10.539	169	356228	39.966	ng	97
67) 4-Bromophenyl-phenylether	10.910	248	136523	46.042	ng	96
68) Hexachlorobenzene	10.981	284	148364	47.125	ng	# 92
69) Atrazine	11.069	200	126985	51.505	ng	95
70) Pentachlorophenol	11.181	266	131033	69.609	ng	97
71) Phenanthrene	11.398	178	627767	44.700	ng	99
72) Anthracene	11.451	178	628212	43.006	ng	99
73) Carbazole	11.610	167	569579	42.601	ng	100
74) Di-n-butylphthalate	11.933	149	706473	44.433	ng	100
75) Fluoranthene	12.592	202	618612	40.744	ng	99
77) Benzidine	12.722	184	255296	70.096	ng	99
78) Pyrene	12.822	202	630560	44.266	ng	100
80) Butylbenzylphthalate	13.445	149	228141	42.703	ng	95
81) Benzo(a)anthracene	14.022	228	486735	45.852	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	154825	46.035	ng	98
83) Chrysene	14.057	228	449806	43.748	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	314648	51.255	ng	99
85) Di-n-octyl phthalate	14.627	149	521207	57.782	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	366019	40.220	ng	98
88) Benzo(b)fluoranthene	15.092	252	407441	52.835	ng	100
89) Benzo(k)fluoranthene	15.121	252	387471	49.349	ng	98
90) Benzo(a)pyrene	15.468	252	321828	43.158	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	298471	40.154	ng	98
92) Benzo(g,h,i)perylene	17.551	276	269055	35.100	ng	95

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

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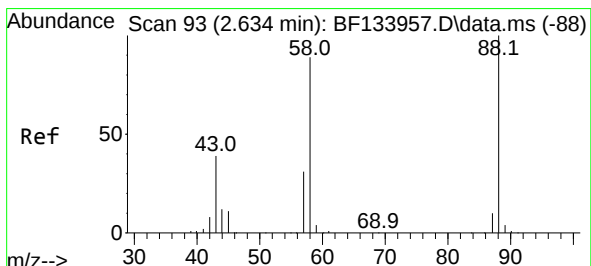
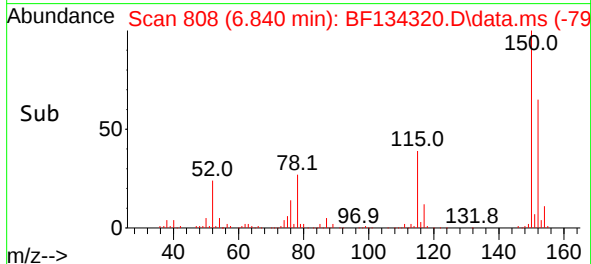
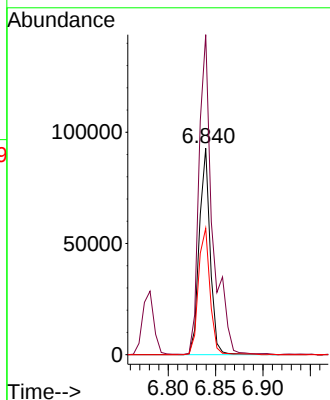
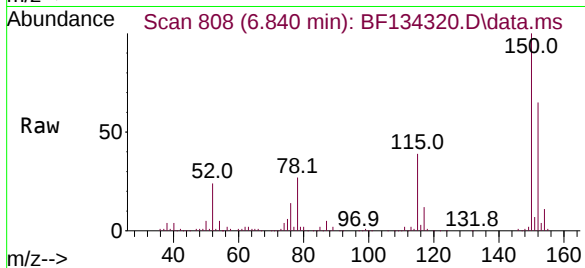




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF134320.D
 Acq: 17 Jul 2023 17:35

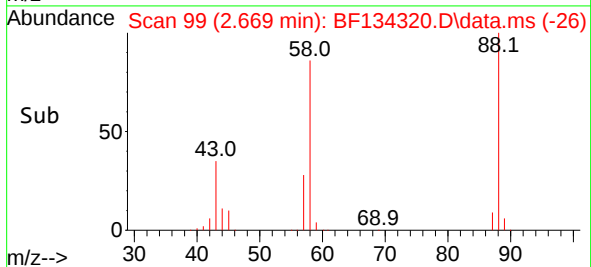
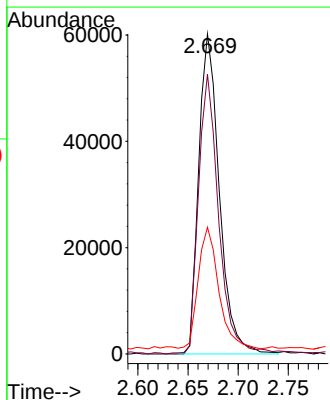
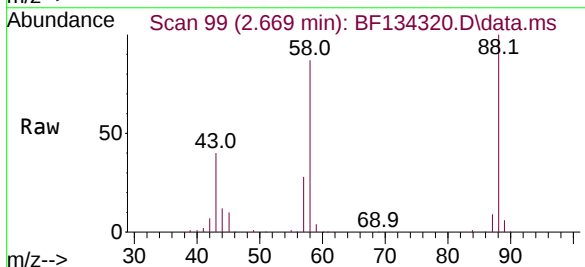
Instrument :
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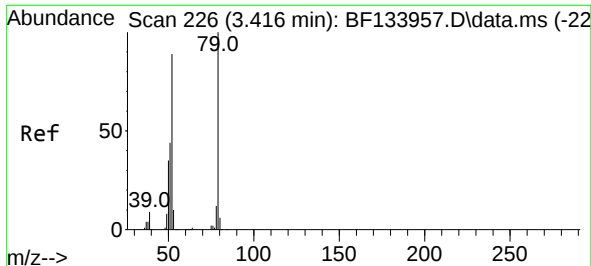
Tgt Ion:152 Resp: 74609
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.5 186.7
 115 61.2 50.2 75.2



#2
 1,4-Dioxane
 Concen: 46.961 ng
 RT: 2.669 min Scan# 99
 Delta R.T. 0.077 min
 Lab File: BF134320.D
 Acq: 17 Jul 2023 17:35

Tgt Ion: 88 Resp: 86365
 Ion Ratio Lower Upper
 88 100
 58 86.7 68.8 103.2
 43 37.6 30.7 46.1

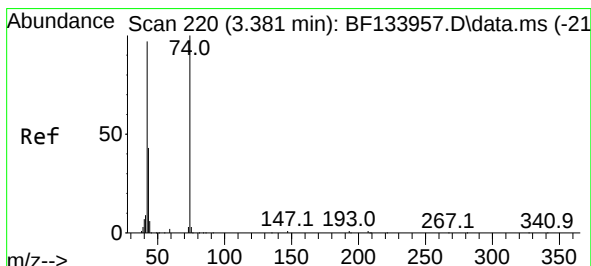
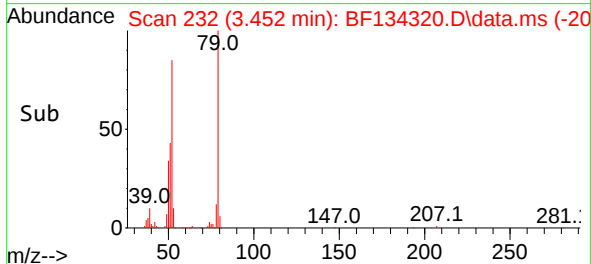
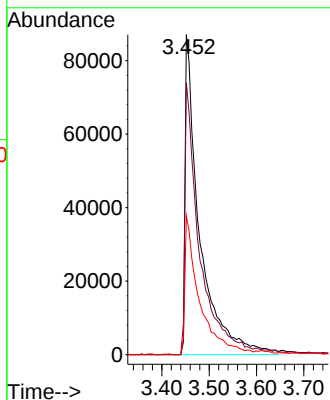
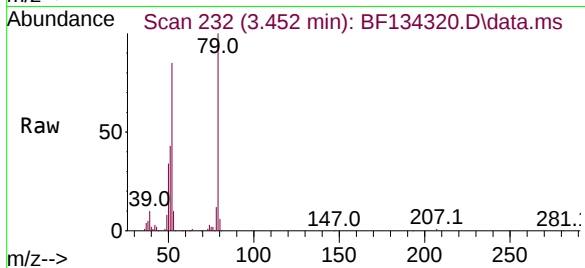




#3
Pyridine
Concen: 38.850 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.071 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

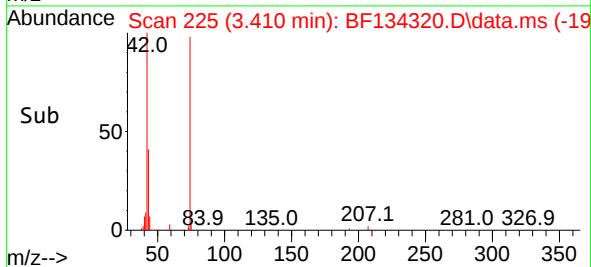
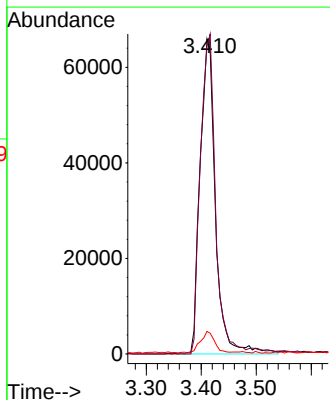
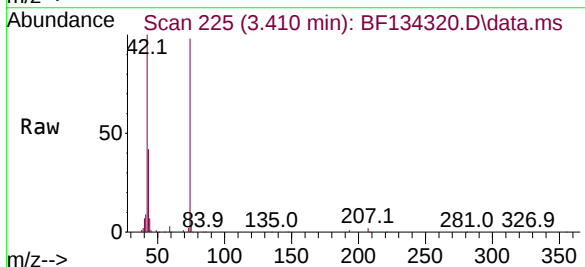
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion: 79 Resp: 186105
Ion Ratio Lower Upper
79 100
52 85.0 71.1 106.7
51 43.4 35.2 52.8



#4
n-Nitrosodimethylamine
Concen: 46.889 ng
RT: 3.410 min Scan# 225
Delta R.T. 0.071 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 42 Resp: 128286
Ion Ratio Lower Upper
42 100
74 97.7 82.4 123.6
44 7.2 4.9 7.3

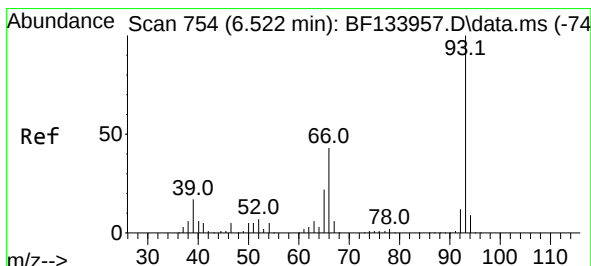
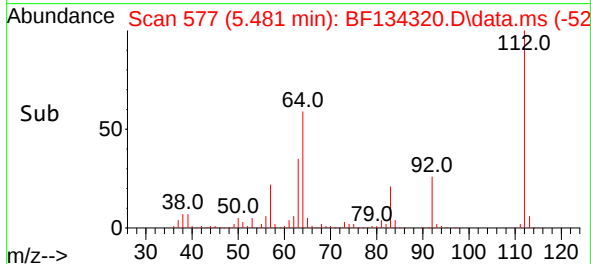
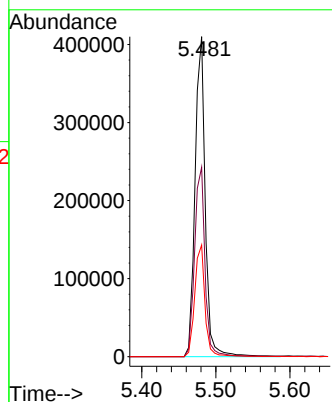
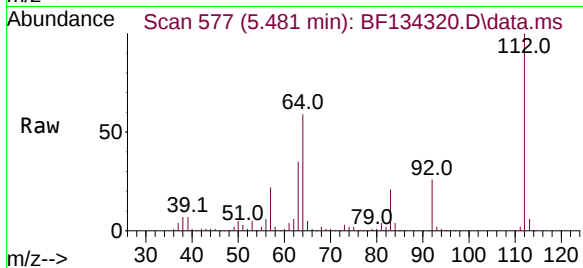




#5
2-Fluorophenol
Concen: 87.862 ng
RT: 5.481 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

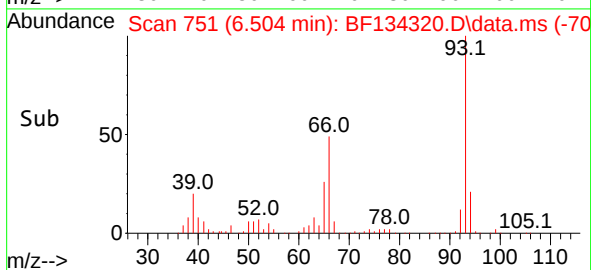
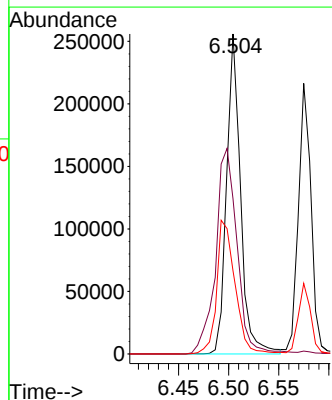
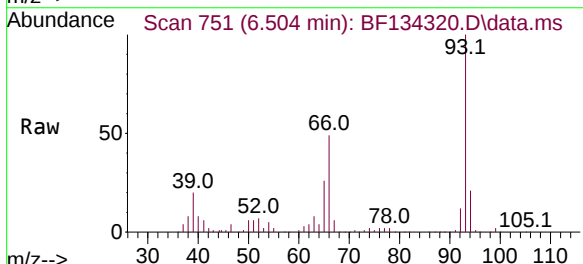
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ClientSampleId :
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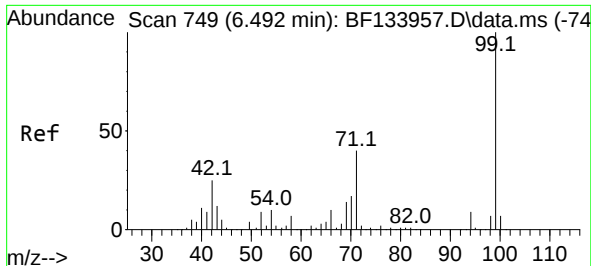
Tgt Ion:112 Resp: 391881
Ion Ratio Lower Upper
112 100
64 59.2 52.1 78.1
63 34.9 28.6 42.8



#6
Aniline
Concen: 37.096 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 93 Resp: 247610
Ion Ratio Lower Upper
93 100
66 48.5 34.5 51.7
65 26.0 17.8 26.6

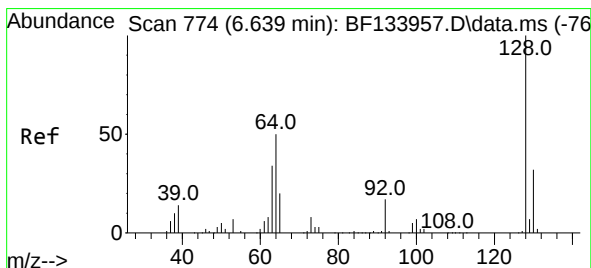
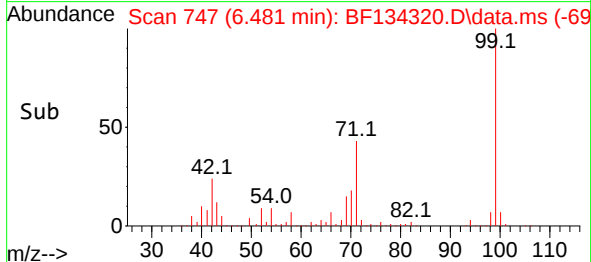
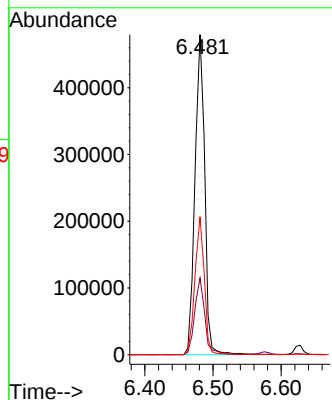
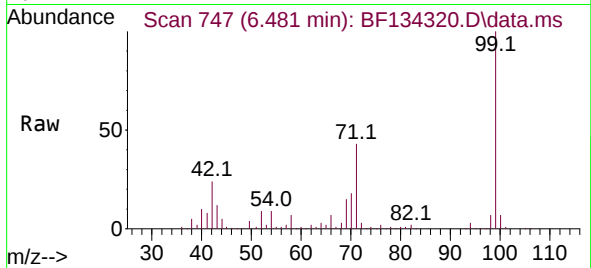




#7
Phenol-d6
Concen: 87.066 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

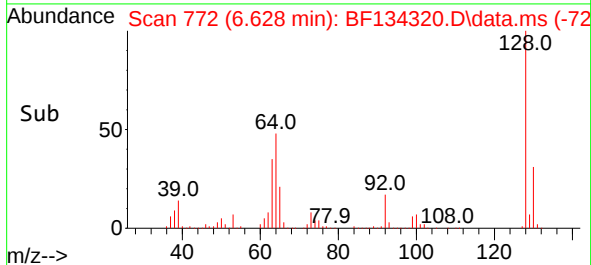
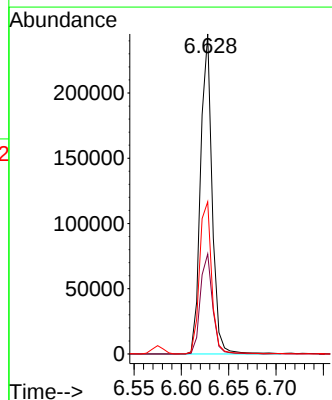
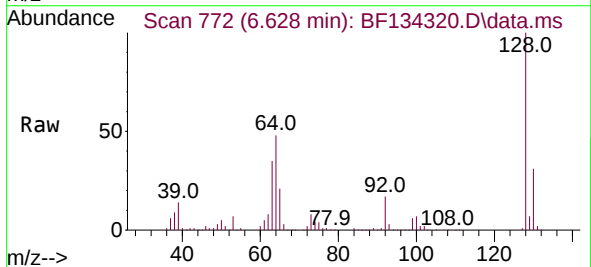
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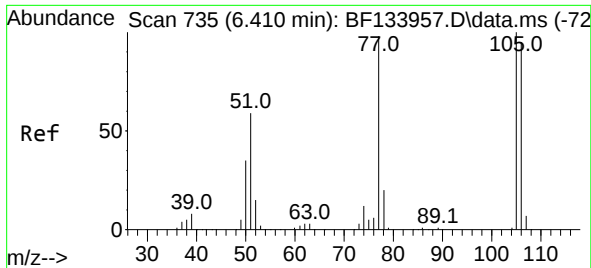
Tgt Ion: 99 Resp: 477570
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.6
71 43.1 31.9 47.9



#8
2-Chlorophenol
Concen: 45.970 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 128 Resp: 208135
Ion Ratio Lower Upper
128 100
130 31.3 11.7 51.7
64 47.6 31.3 71.3





#9

Benzaldehyde

Concen: 44.614 ng

RT: 6.393 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

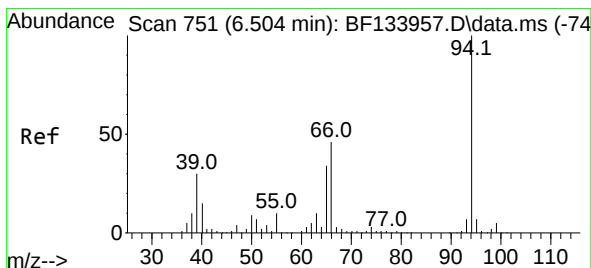
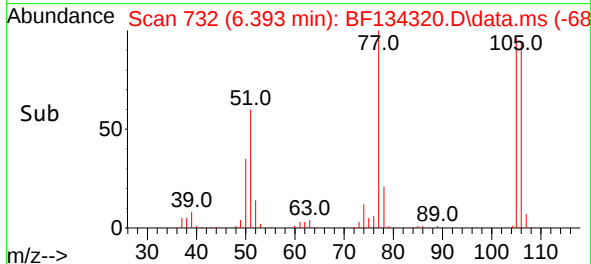
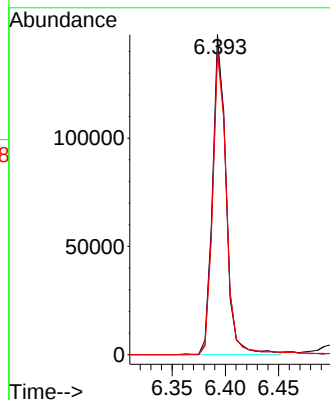
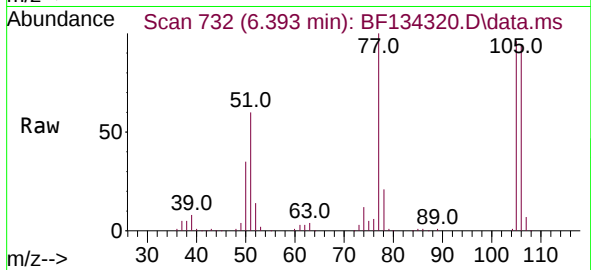
Tgt Ion: 77 Resp: 130423

Ion Ratio Lower Upper

77 100

105 95.9 82.0 122.0

106 94.2 76.9 116.9



#10

Phenol

Concen: 44.287 ng

RT: 6.493 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

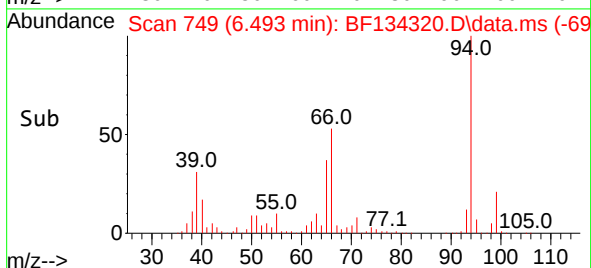
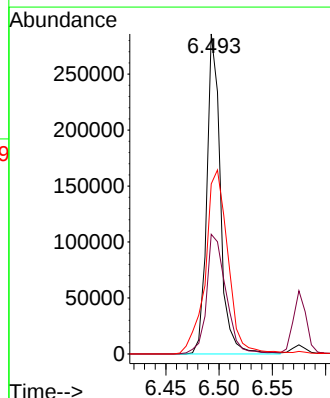
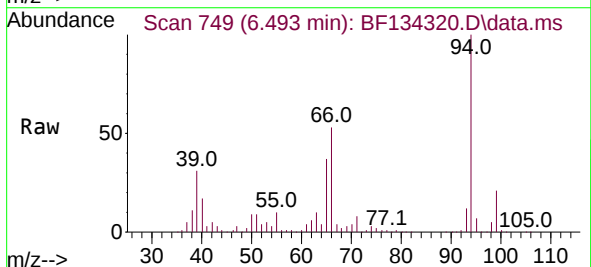
Tgt Ion: 94 Resp: 255414

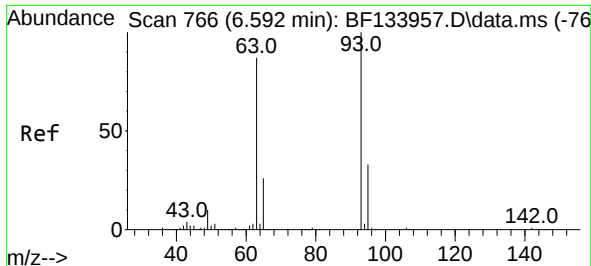
Ion Ratio Lower Upper

94 100

65 37.4 14.2 54.2

66 53.1 26.4 66.4

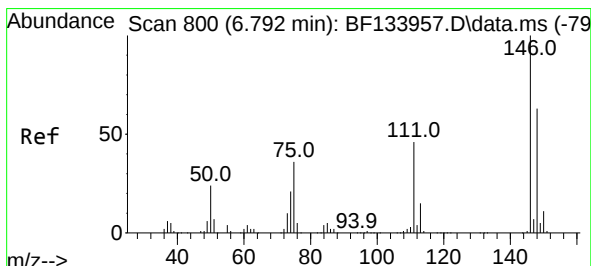
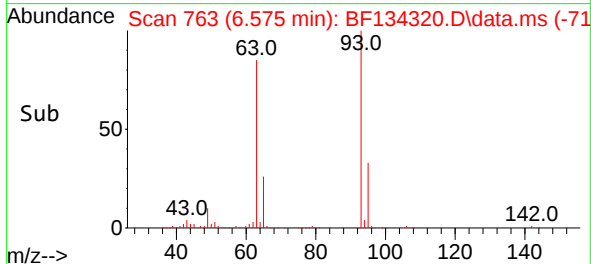
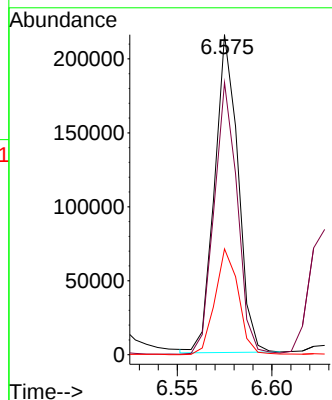
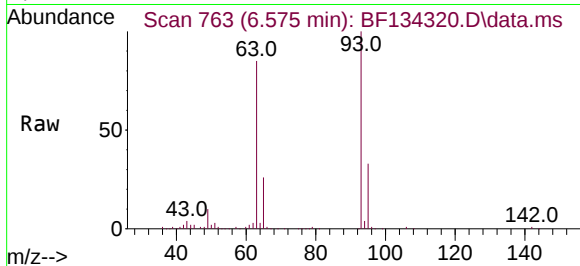




#11
bis(2-Chloroethyl)ether
Concen: 43.565 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

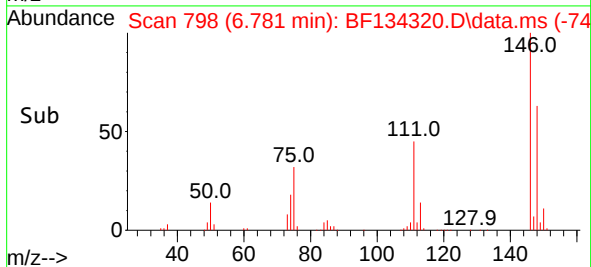
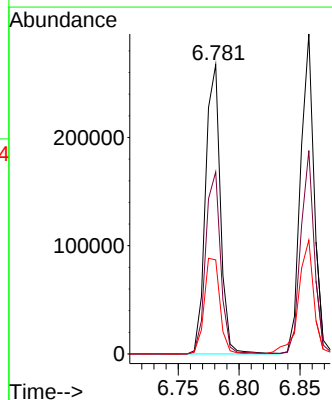
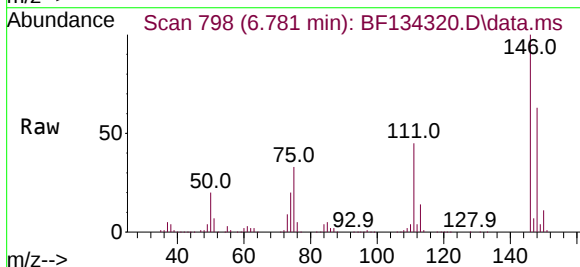
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

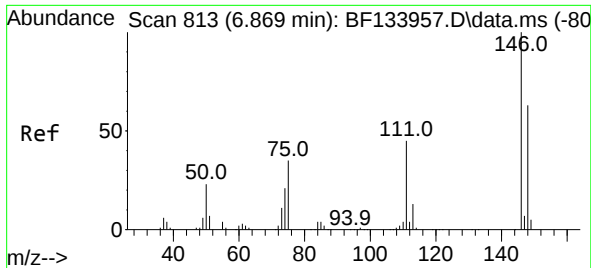
Tgt Ion: 93 Resp: 184978
Ion Ratio Lower Upper
93 100
63 85.0 66.5 106.5
95 33.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 47.015 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 146 Resp: 226942
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 32.5 29.0 43.6

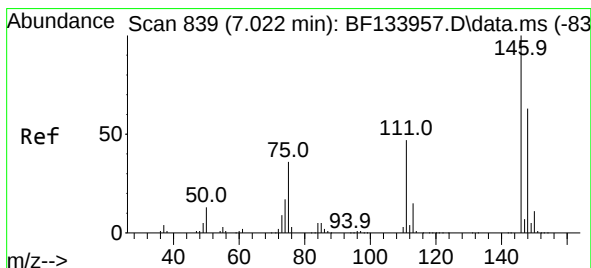
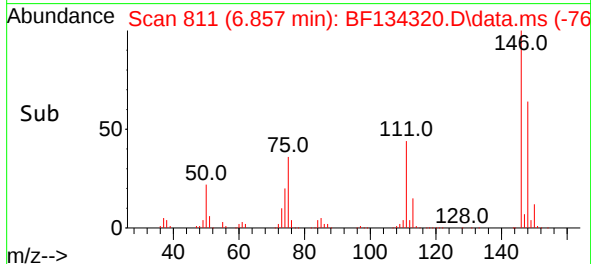
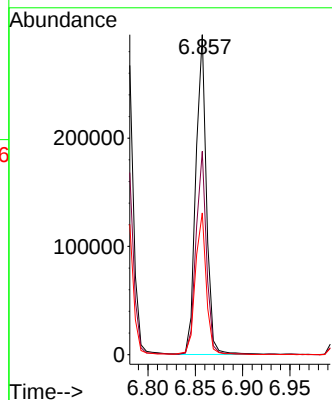
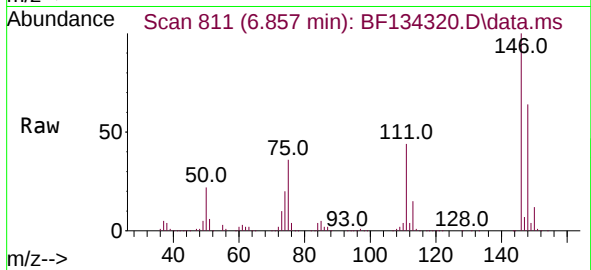




#13
1,4-Dichlorobenzene
Concen: 47.268 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

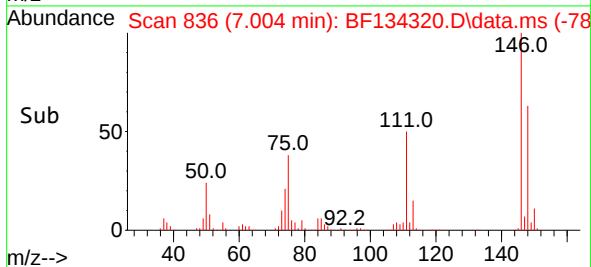
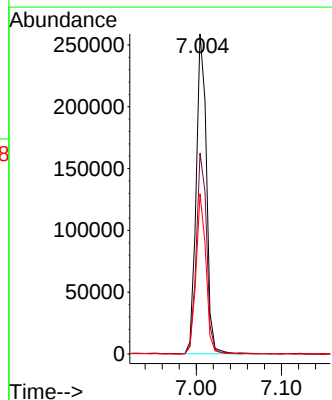
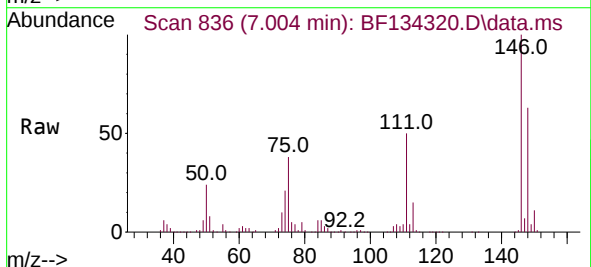
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion:146 Resp: 230457
Ion Ratio Lower Upper
146 100
148 63.5 50.2 75.2
111 44.3 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 47.482 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:146 Resp: 216807
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
111 50.0 38.0 57.0

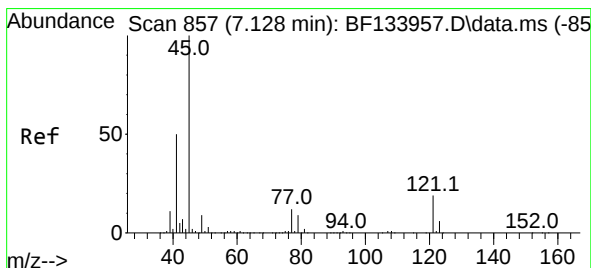
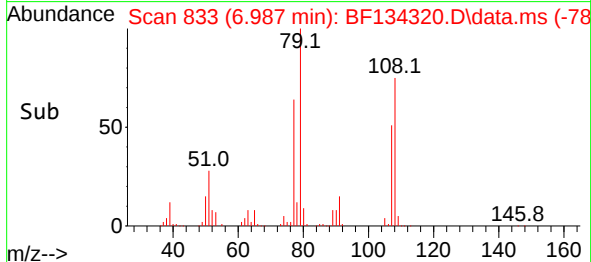
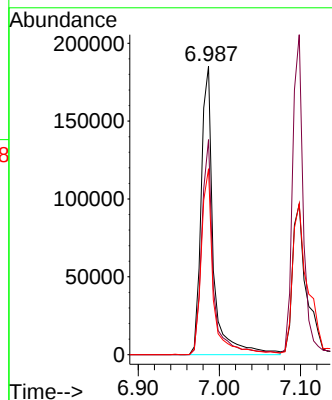
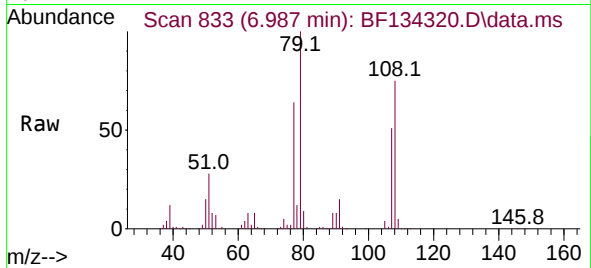




#15
Benzyl Alcohol
Concen: 45.734 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

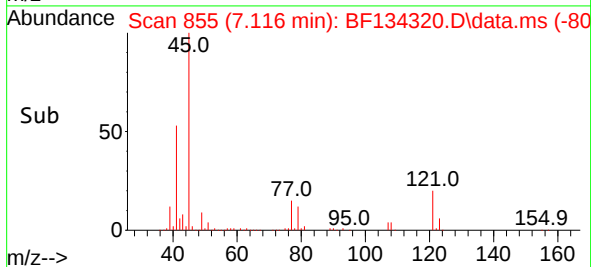
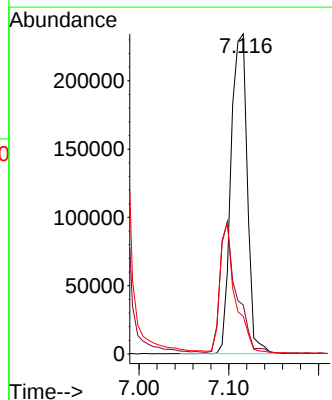
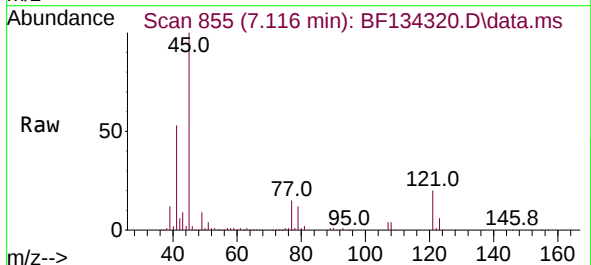
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

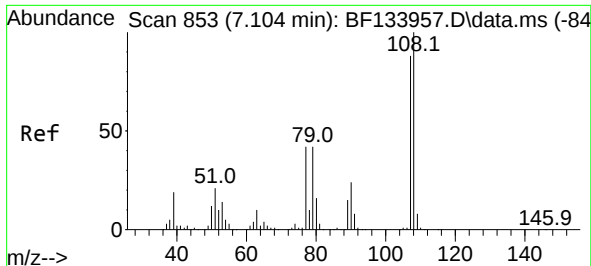
Tgt Ion: 79 Resp: 193391
Ion Ratio Lower Upper
79 100
108 74.5 60.7 91.1
77 64.5 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.372 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 45 Resp: 295752
Ion Ratio Lower Upper
45 100
77 15.3 0.0 32.9
79 11.7 0.0 29.5

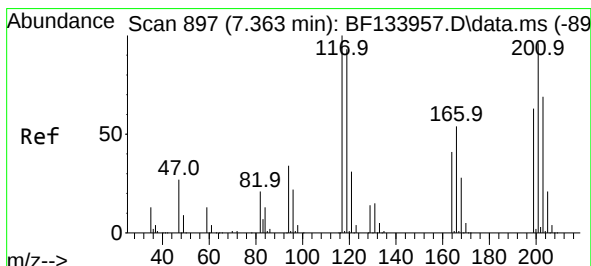
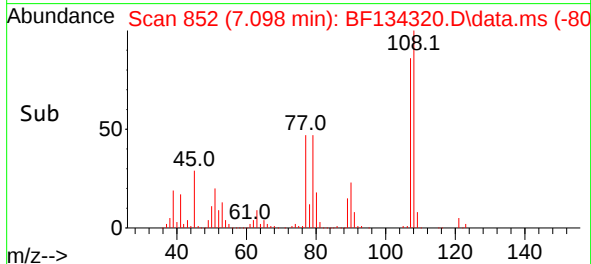
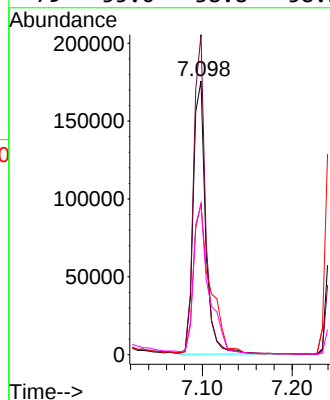
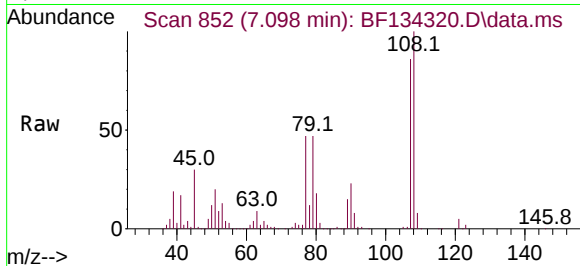




#17
2-Methylphenol
Concen: 41.484 ng
RT: 7.098 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

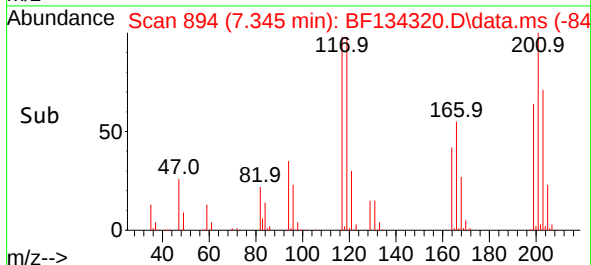
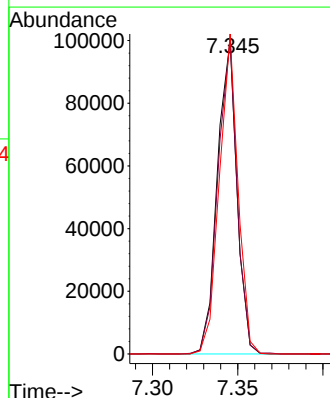
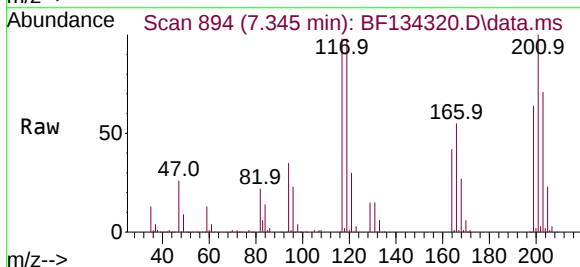
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

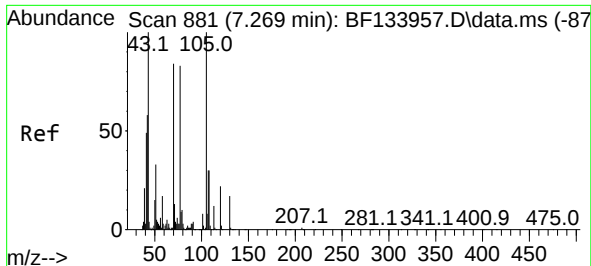
Tgt Ion:	107	Resp:	168196
Ion	Ratio	Lower	Upper
107	100		
108	116.9	90.6	136.0
77	55.2	38.3	57.5
79	55.0	38.8	58.2



#18
Hexachloroethane
Concen: 44.072 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:	117	Resp:	79672
Ion	Ratio	Lower	Upper
117	100		
119	100.1	74.2	111.4
201	102.0	77.2	115.8



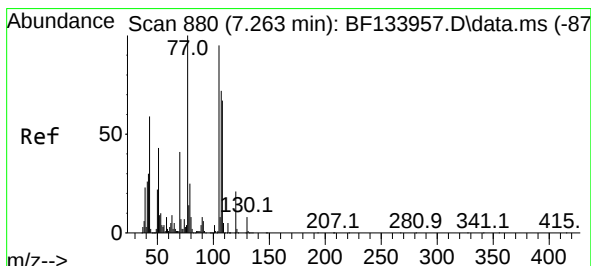
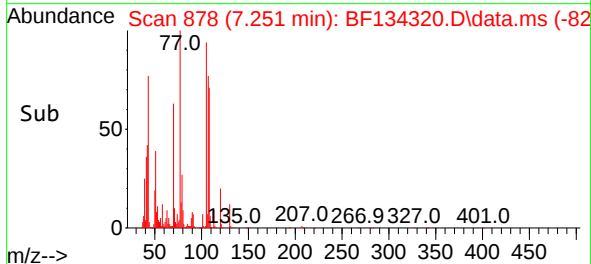
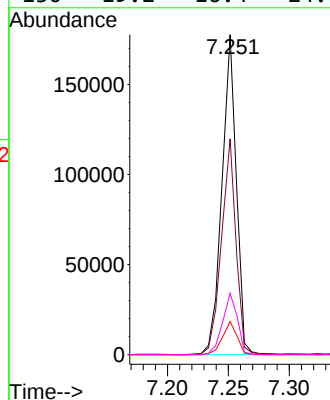
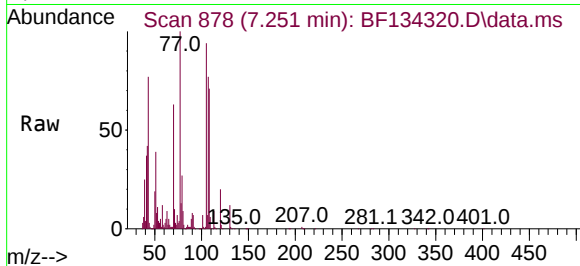


#19
n-Nitroso-di-n-propylamine
Concen: 42.246 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion: 70 Resp: 146952

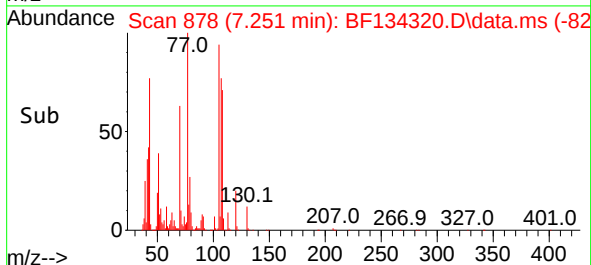
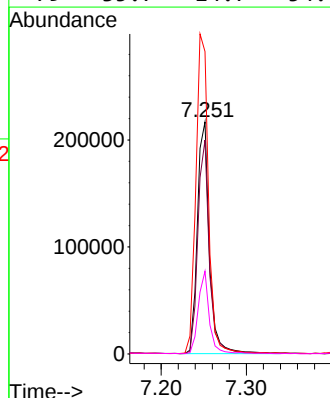
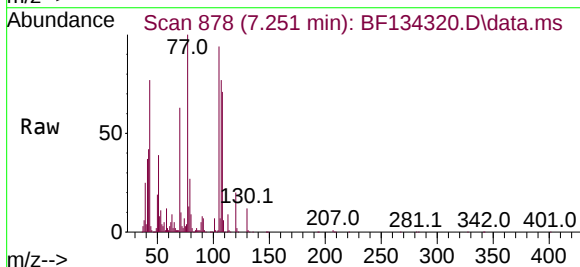
Ion	Ratio	Lower	Upper
70	100		
42	67.4	54.7	82.1
101	10.4	7.7	11.5
130	19.2	16.4	24.6

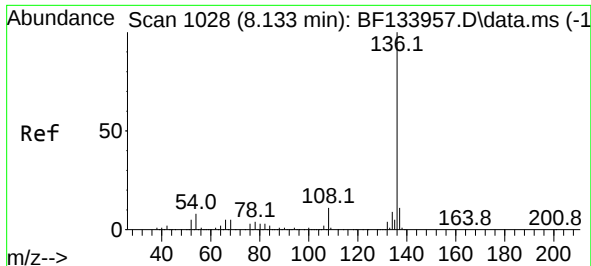


#20
3+4-Methylphenols
Concen: 43.302 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 107 Resp: 212990

Ion	Ratio	Lower	Upper
107	100		
108	92.2	73.2	113.2
77	130.3	118.3	158.3
79	35.7	14.7	54.7



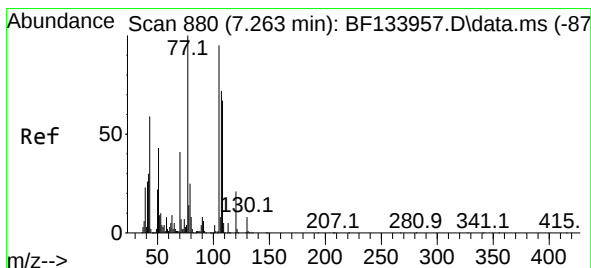
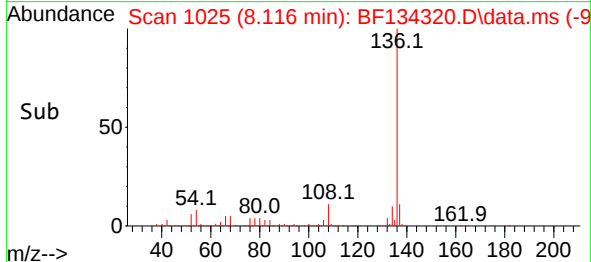
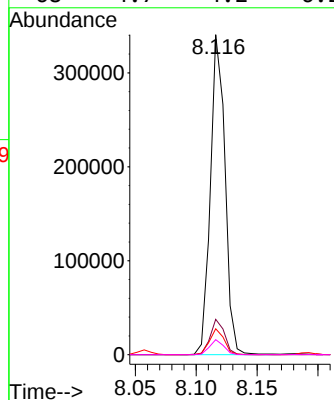
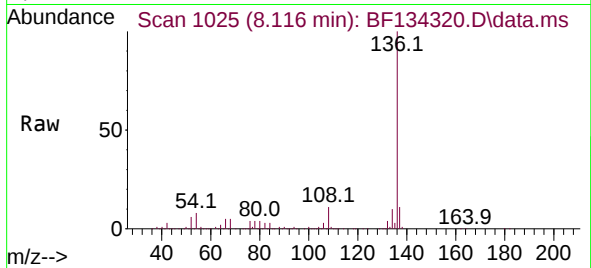


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion:136 Resp: 284284

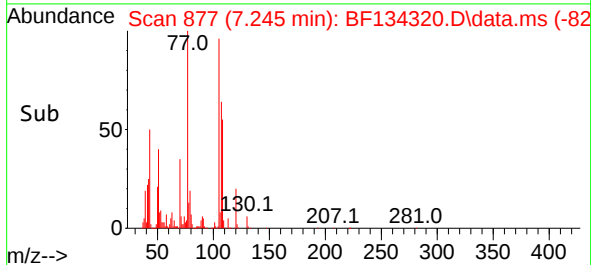
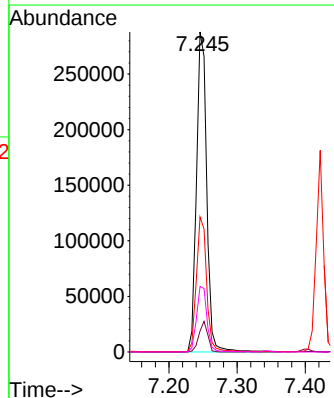
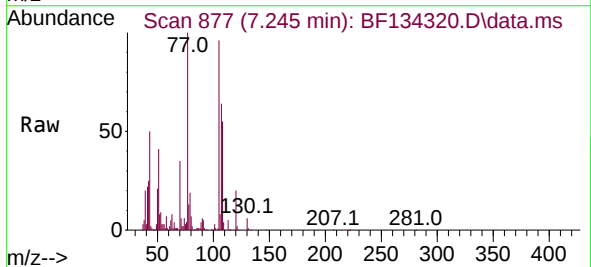
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.1	6.5	9.7
68	4.7	4.2	6.2

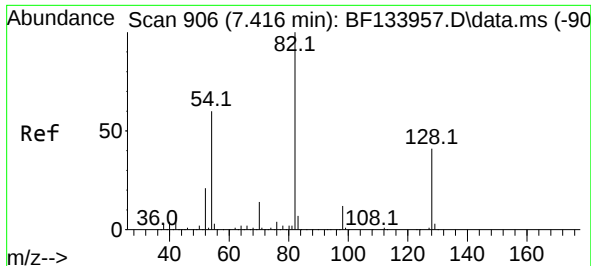


#22
Acetophenone
Concen: 46.174 ng
RT: 7.245 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:105 Resp: 298530

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.5	8.3
51	42.2	36.5	54.7
120	20.5	17.3	25.9





#23

Nitrobenzene-d5

Concen: 60.648 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

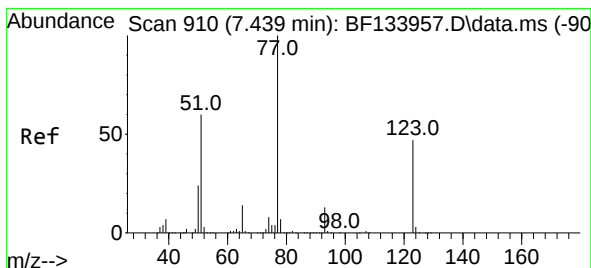
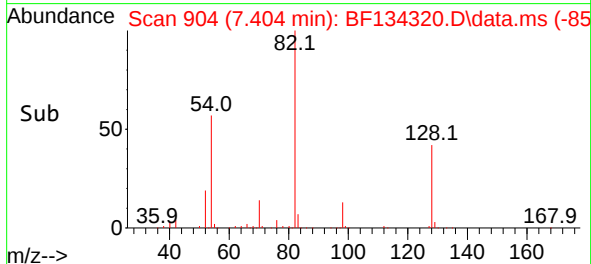
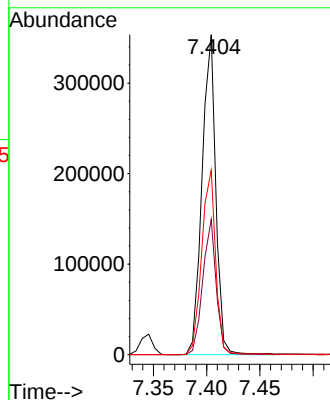
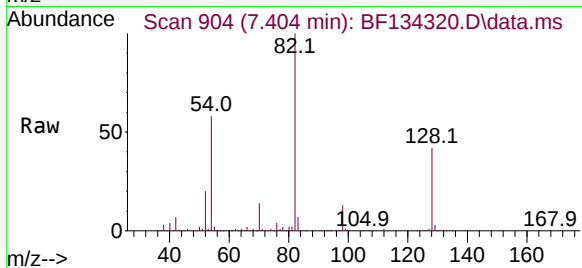
Tgt Ion: 82 Resp: 319844

Ion Ratio Lower Upper

82 100

128 42.3 32.5 48.7

54 57.7 48.2 72.2



#24

Nitrobenzene

Concen: 42.743 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

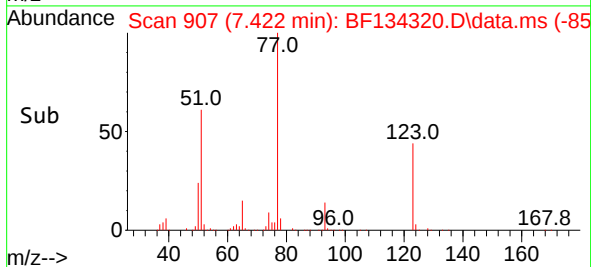
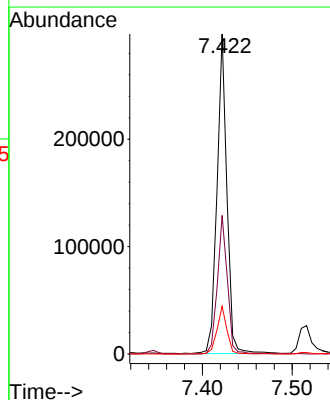
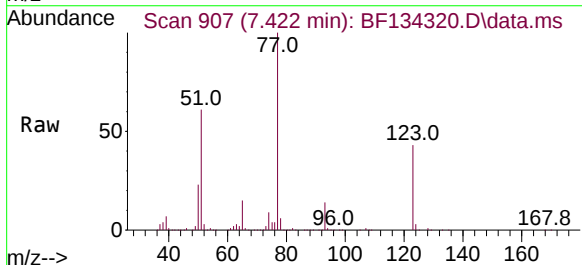
Tgt Ion: 77 Resp: 227787

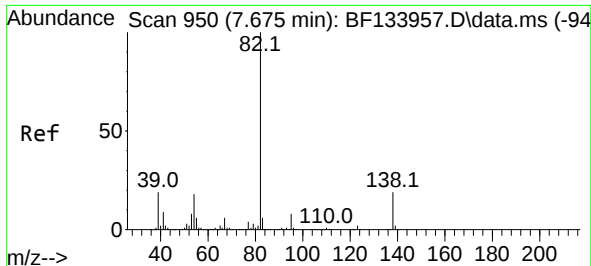
Ion Ratio Lower Upper

77 100

123 43.3 37.8 56.6

65 14.9 11.3 16.9

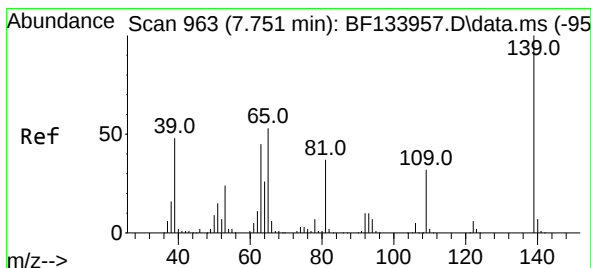
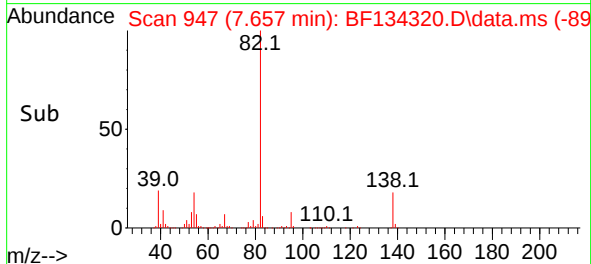
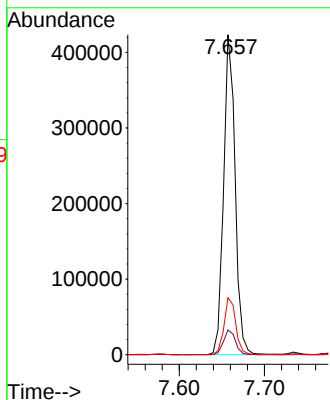
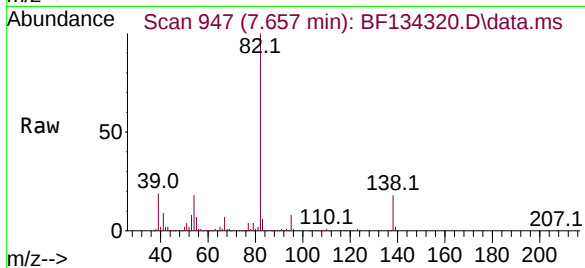




#25
Isophorone
Concen: 41.431 ng
RT: 7.657 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

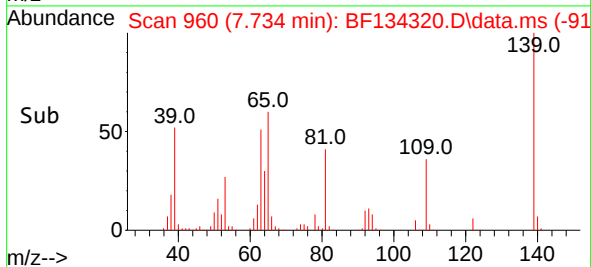
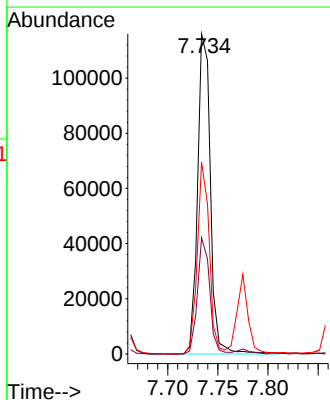
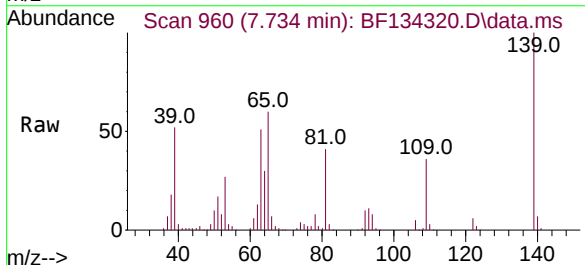
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion: 82 Resp: 397101
Ion Ratio Lower Upper
82 100
95 7.7 6.1 9.1
138 17.8 15.2 22.8



#26
2-Nitrophenol
Concen: 40.519 ng
RT: 7.734 min Scan# 960
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:139 Resp: 103589
Ion Ratio Lower Upper
139 100
109 36.3 25.8 38.8
65 59.9 42.4 63.6

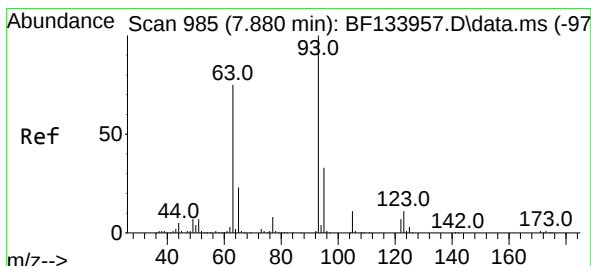
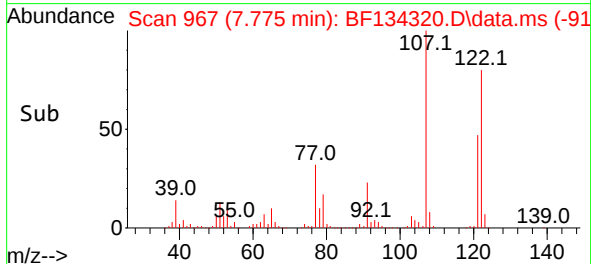
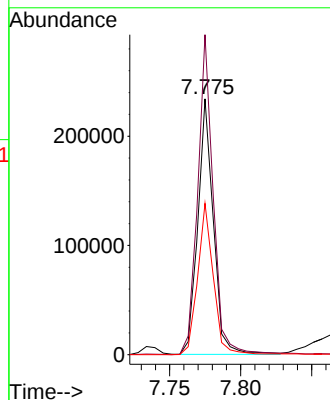
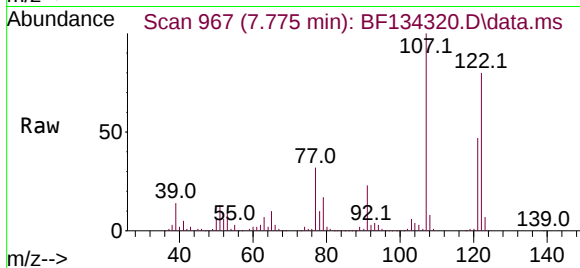




#27
2,4-Dimethylphenol
Concen: 44.227 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

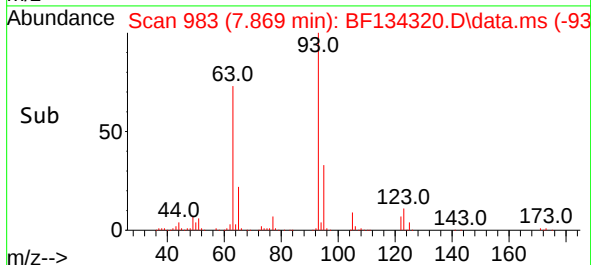
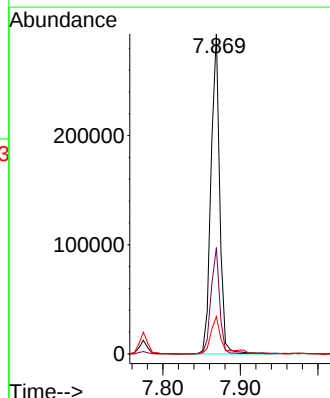
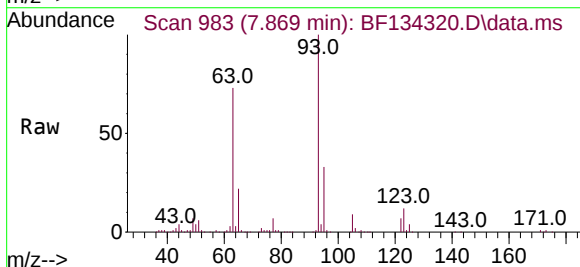
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

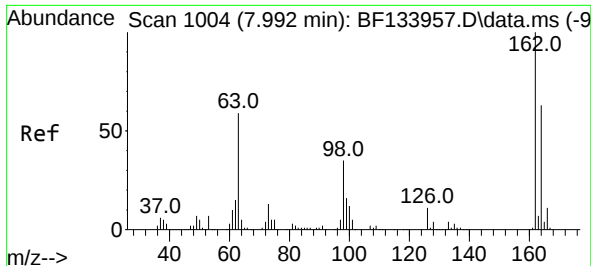
Tgt Ion:122 Resp: 178978
Ion Ratio Lower Upper
122 100
107 125.0 95.5 143.3
121 59.2 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 41.411 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion: 93 Resp: 229823
Ion Ratio Lower Upper
93 100
95 33.3 26.5 39.7
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 43.254 ng

RT: 7.981 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

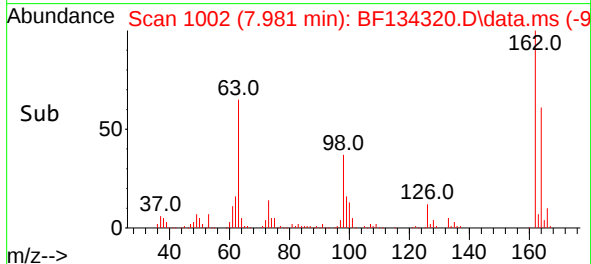
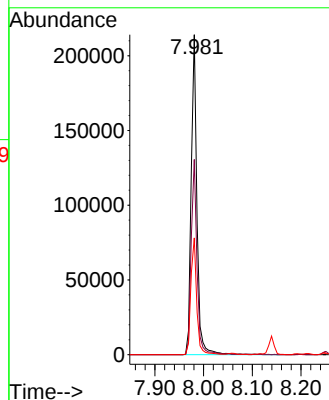
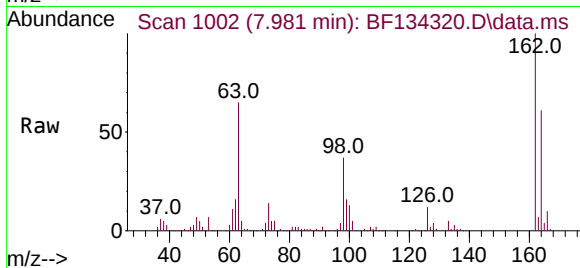
Tgt Ion:162 Resp: 173573

Ion Ratio Lower Upper

162 100

164 61.0 43.2 83.2

98 36.5 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 44.441 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

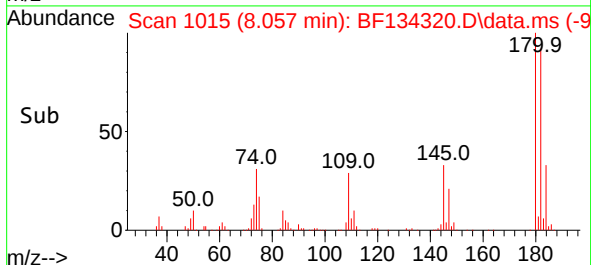
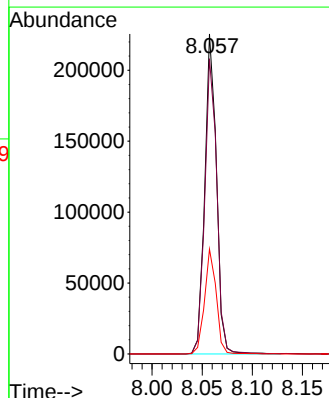
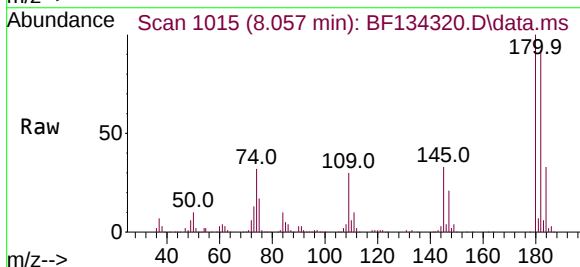
Tgt Ion:180 Resp: 184013

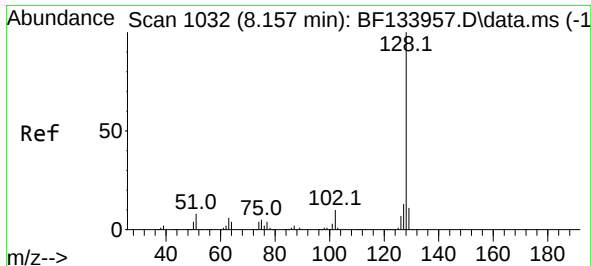
Ion Ratio Lower Upper

180 100

182 92.2 77.1 115.7

145 32.7 26.0 39.0

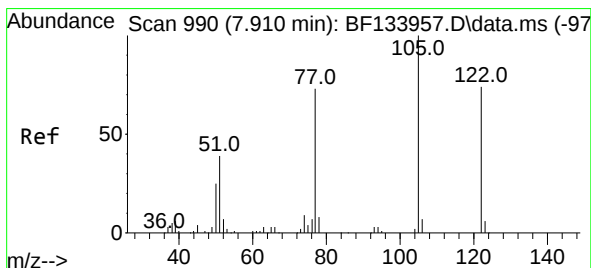
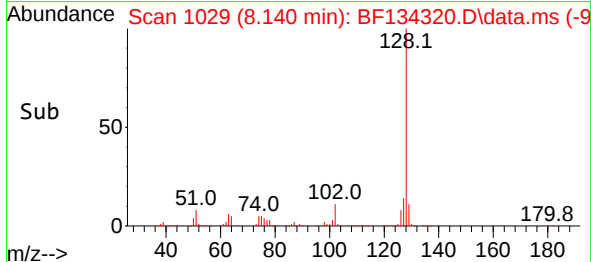
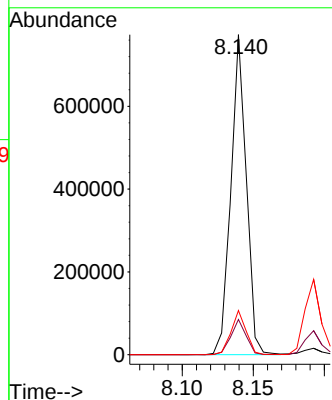
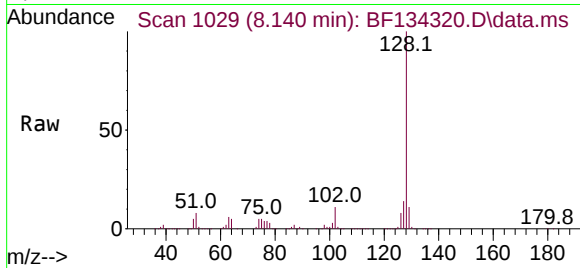




#31
Naphthalene
Concen: 42.564 ng
RT: 8.140 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

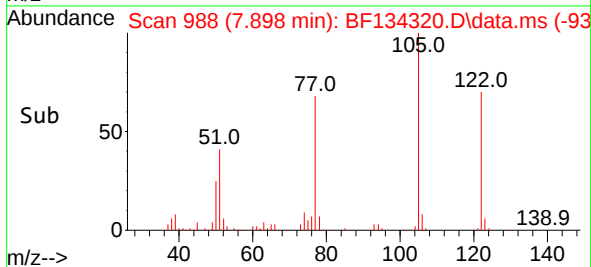
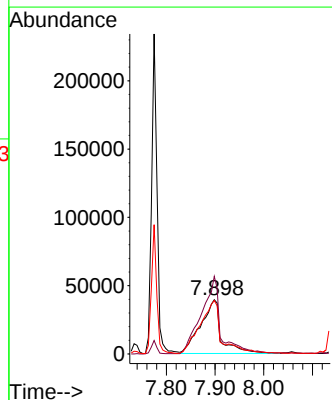
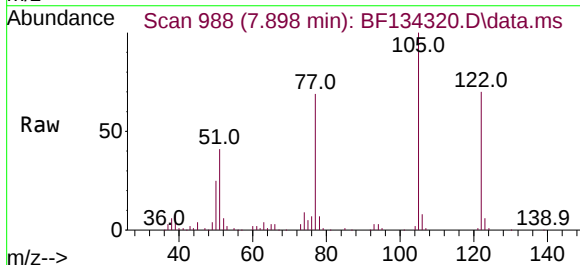
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

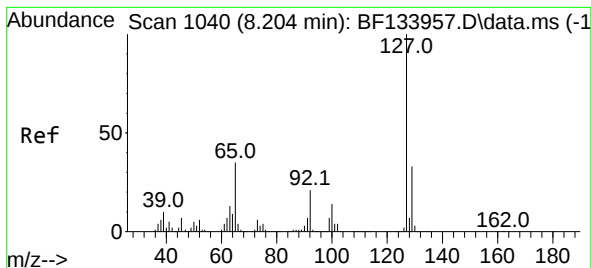
Tgt Ion:128 Resp: 584483
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.8 10.6 15.8



#32
Benzoic acid
Concen: 38.520 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:122 Resp: 116807
Ion Ratio Lower Upper
122 100
105 143.1 109.7 149.7
77 98.5 76.0 116.0





#33

4-Chloroaniline

Concen: 26.398 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

Tgt Ion:127 Resp: 155059

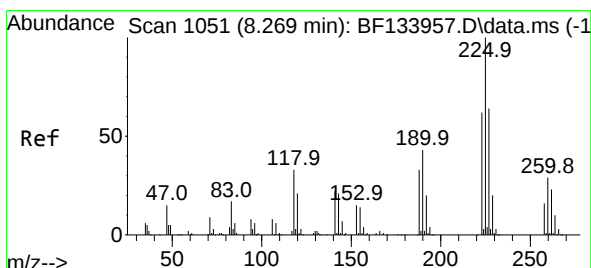
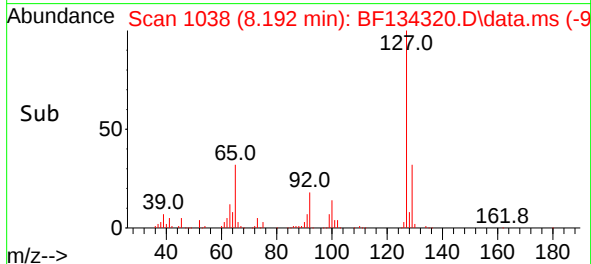
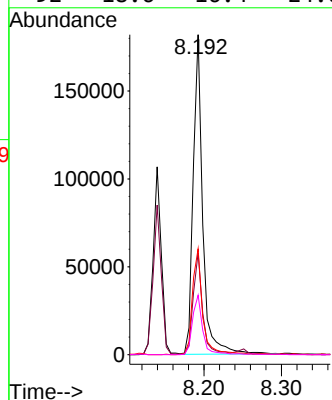
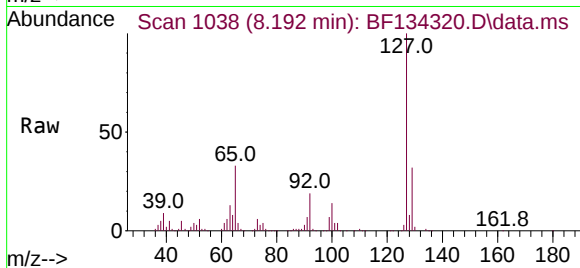
Ion Ratio Lower Upper

127 100

129 31.8 26.4 39.6

65 33.1 27.8 41.8

92 18.6 16.4 24.6



#34

Hexachlorobutadiene

Concen: 45.678 ng

RT: 8.251 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

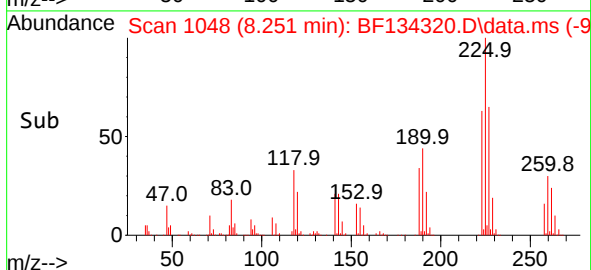
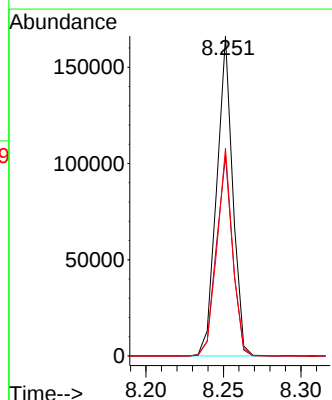
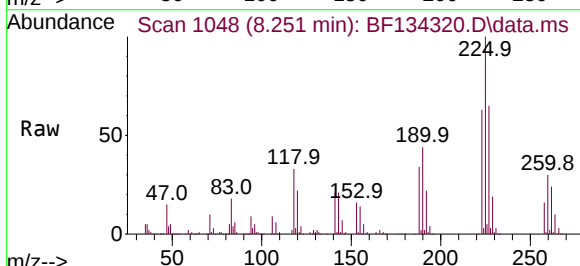
Tgt Ion:225 Resp: 119308

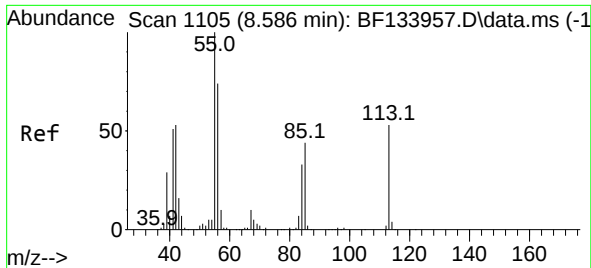
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.8

227 64.9 51.0 76.4

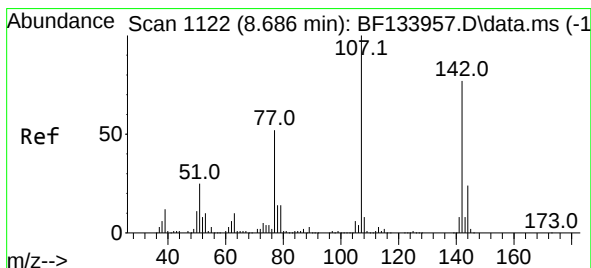
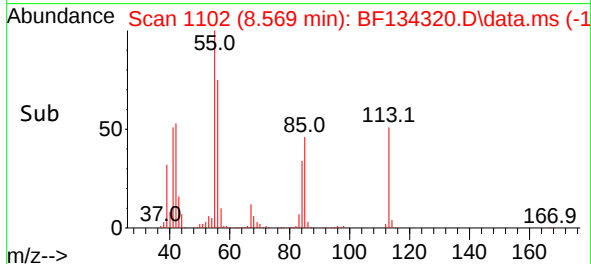
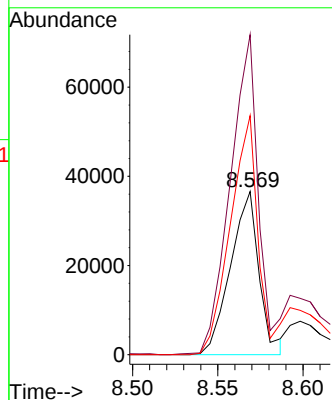
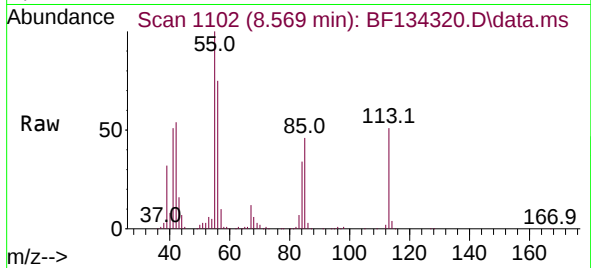




#35
 Caprolactam
 Concen: 32.355 ng
 RT: 8.569 min Scan# 1105
 Delta R.T. -0.006 min
 Lab File: BF134320.D
 Acq: 17 Jul 2023 17:35

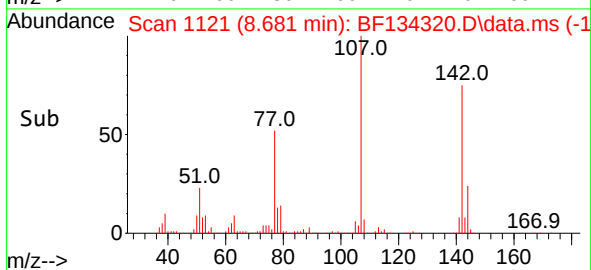
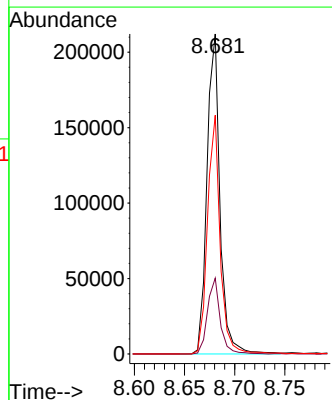
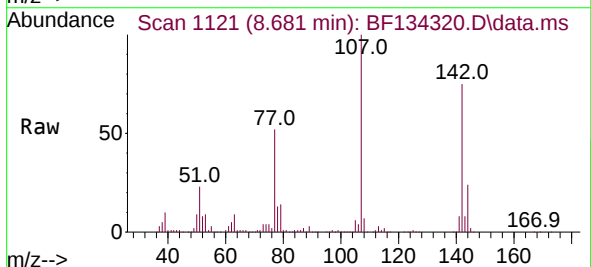
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MS

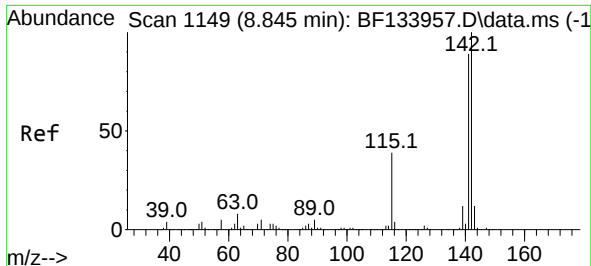
Tgt Ion:113 Resp: 42750
 Ion Ratio Lower Upper
 113 100
 55 196.0 170.2 210.2
 56 146.4 121.4 161.4



#36
 4-Chloro-3-methylphenol
 Concen: 42.691 ng
 RT: 8.681 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF134320.D
 Acq: 17 Jul 2023 17:35

Tgt Ion:107 Resp: 192454
 Ion Ratio Lower Upper
 107 100
 144 23.7 19.6 29.4
 142 74.6 61.4 92.2





#37

2-Methylnaphthalene

Concen: 39.080 ng

RT: 8.834 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

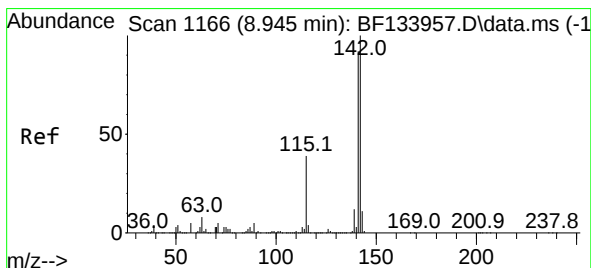
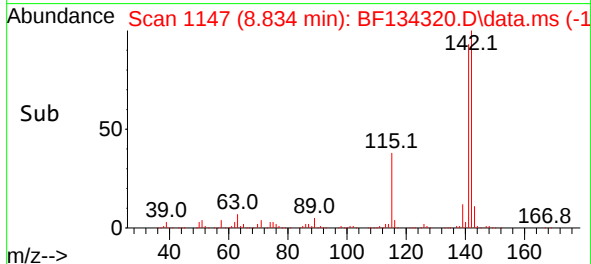
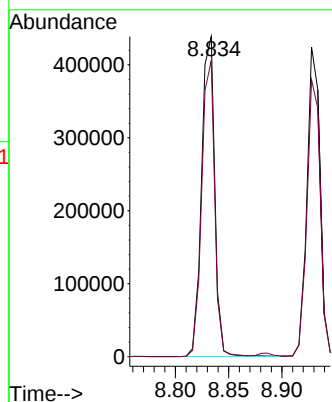
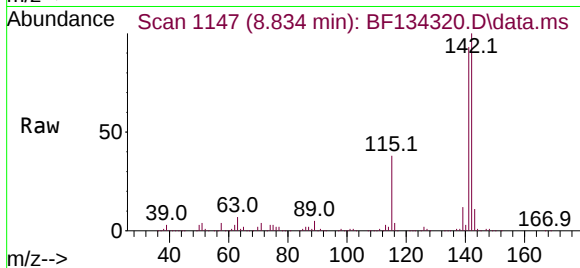
VNJ-210MS

Tgt Ion:142 Resp: 379491

Ion Ratio Lower Upper

142 100

141 92.5 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.954 ng

RT: 8.928 min Scan# 1163

Delta R.T. -0.012 min

Lab File: BF134320.D

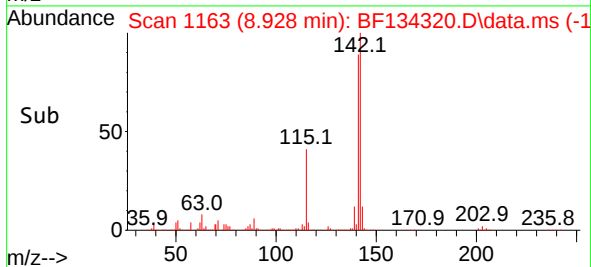
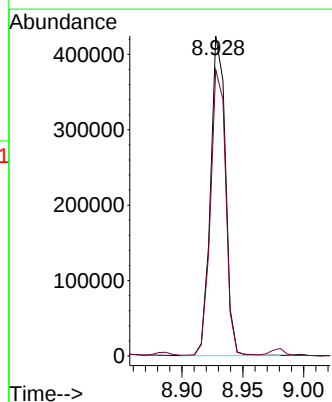
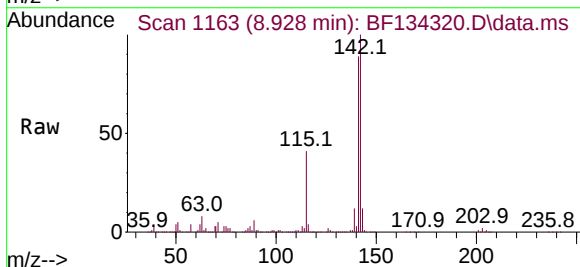
Acq: 17 Jul 2023 17:35

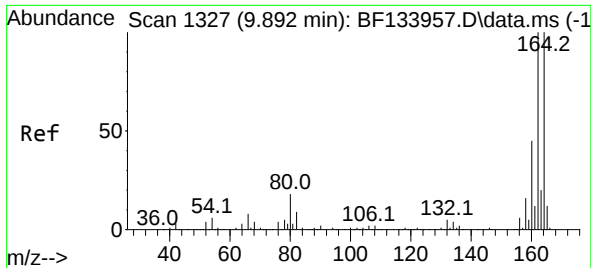
Tgt Ion:142 Resp: 360677

Ion Ratio Lower Upper

142 100

141 89.4 73.5 110.3

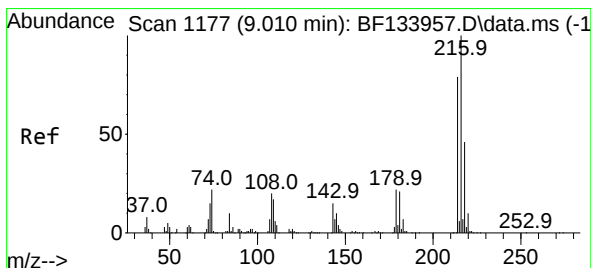
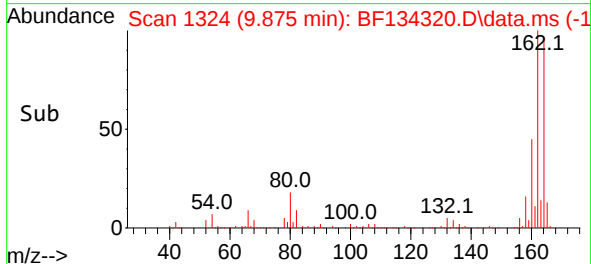
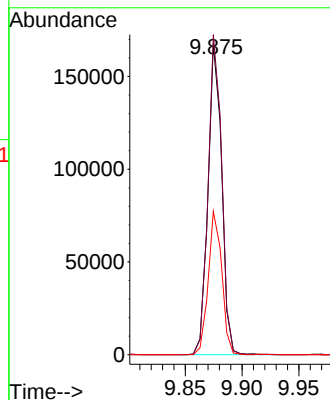
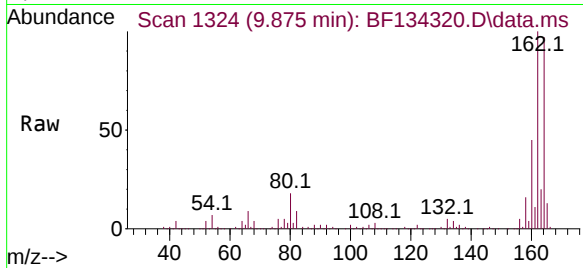




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

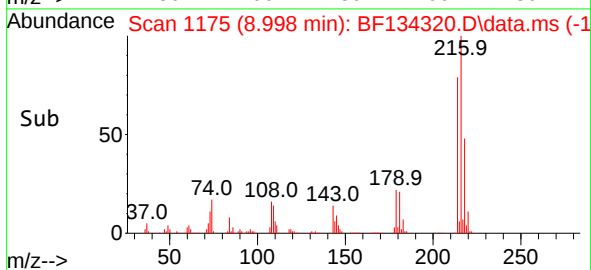
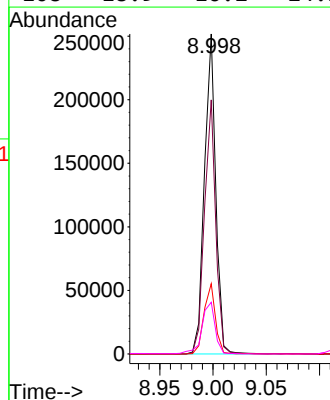
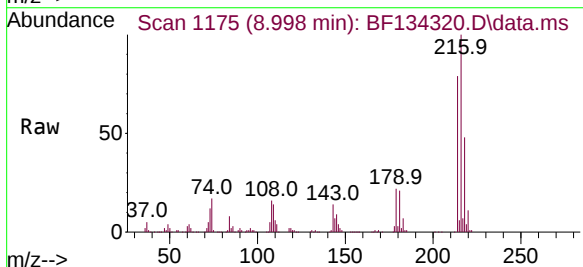
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

Tgt Ion:164 Resp: 139900
Ion Ratio Lower Upper
164 100
162 103.1 80.0 120.0
160 46.2 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.009 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:216 Resp: 186553
Ion Ratio Lower Upper
216 100
214 79.0 64.1 96.1
179 22.2 17.3 25.9
108 18.9 16.2 24.2

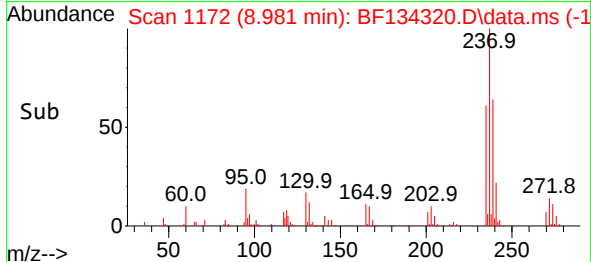
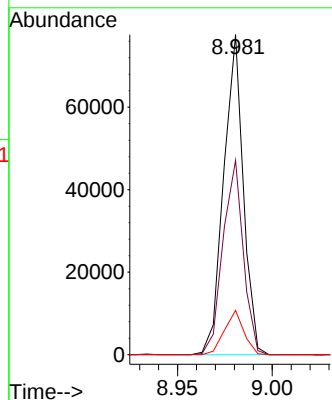
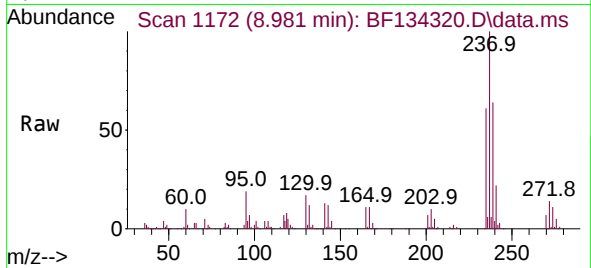




#41
Hexachlorocyclopentadiene
Concen: 28.470 ng
RT: 8.981 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

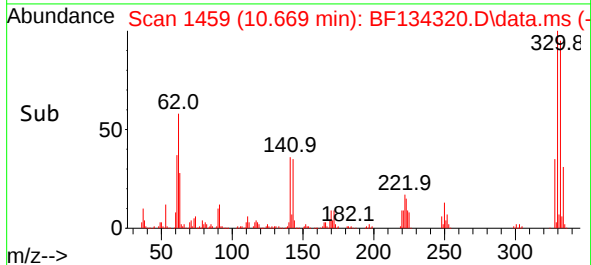
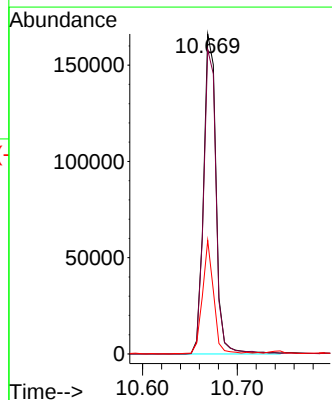
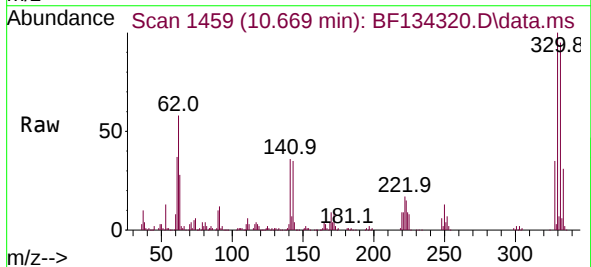
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

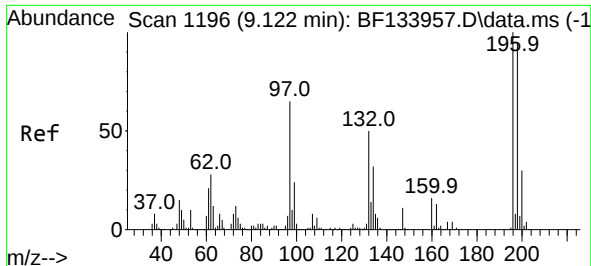
Tgt Ion:237 Resp: 55983
Ion Ratio Lower Upper
237 100
235 60.7 42.8 82.8
272 13.8 0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 86.837 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:330 Resp: 152318
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 32.0 26.3 39.5





#43

2,4,6-Trichlorophenol

Concen: 42.676 ng

RT: 9.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

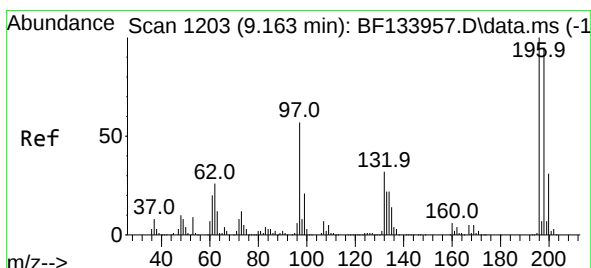
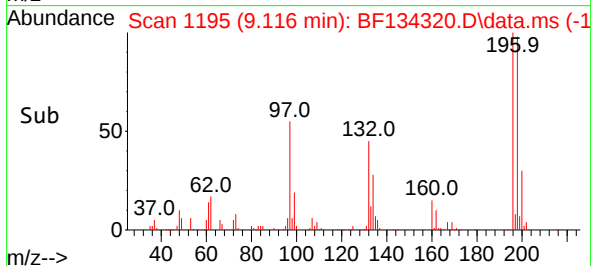
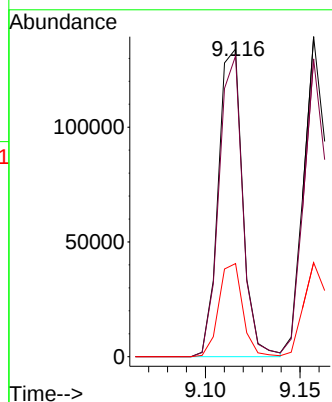
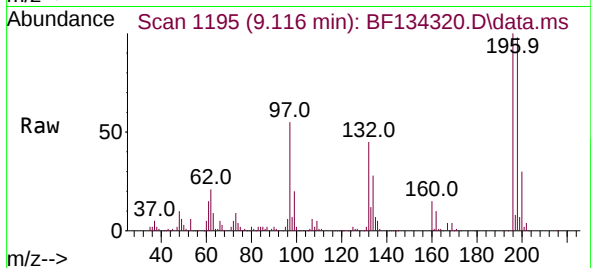
Tgt Ion:196 Resp: 120412

Ion Ratio Lower Upper

196 100

198 97.8 75.6 113.4

200 30.3 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 39.377 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Tgt Ion:196 Resp: 130688

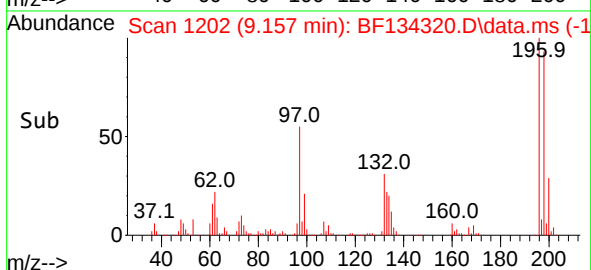
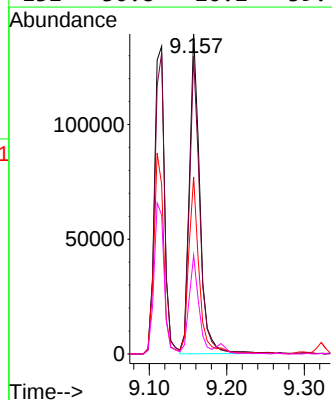
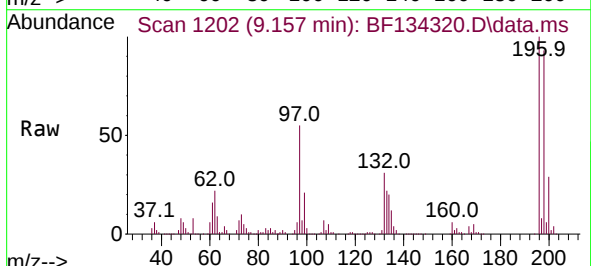
Ion Ratio Lower Upper

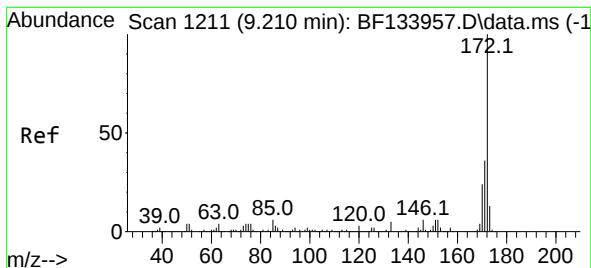
196 100

198 93.1 75.7 113.5

97 55.3 45.8 68.6

132 30.8 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 64.662 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

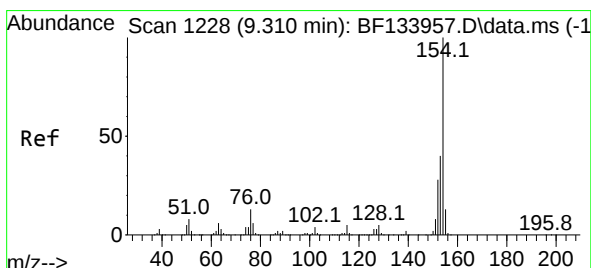
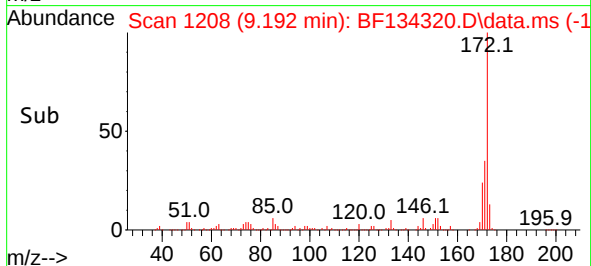
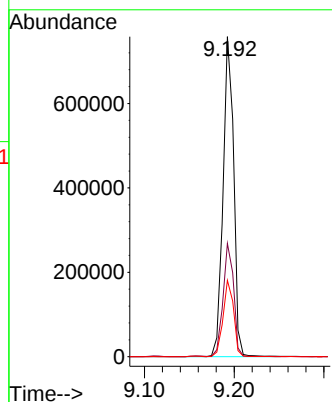
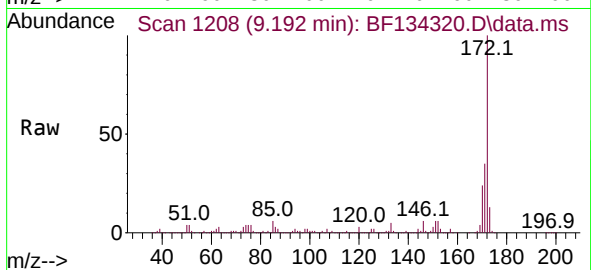
Tgt Ion:172 Resp: 622203

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.9 19.4 29.0



#46

1,1'-Biphenyl

Concen: 43.512 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

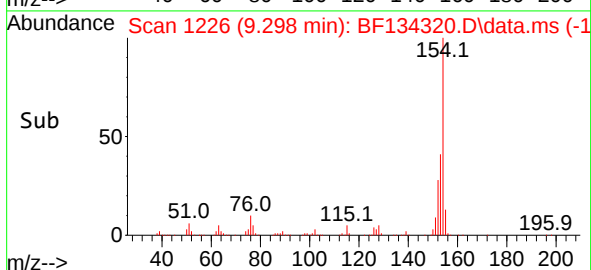
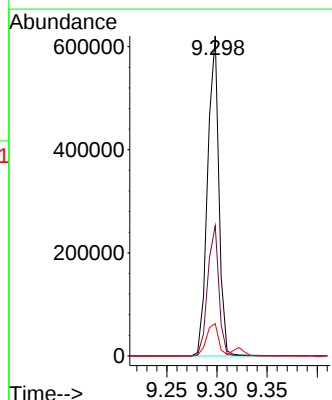
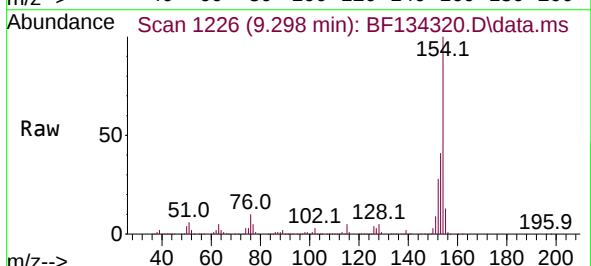
Tgt Ion:154 Resp: 488300

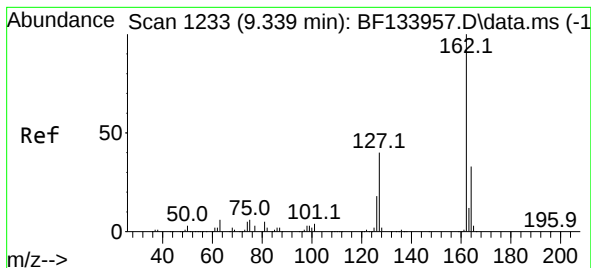
Ion Ratio Lower Upper

154 100

153 40.7 19.8 59.8

76 10.1 0.0 32.9





#47

2-Chloronaphthalene

Concen: 43.235 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

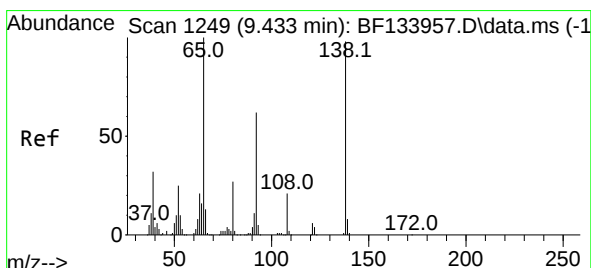
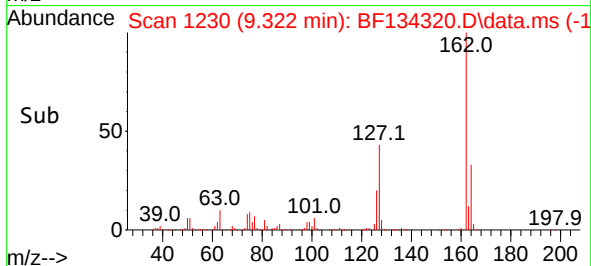
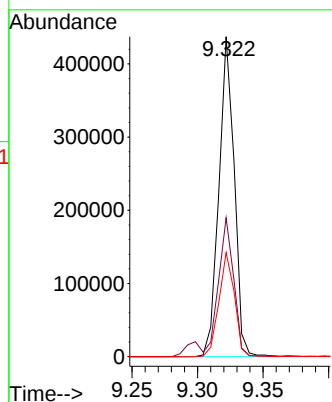
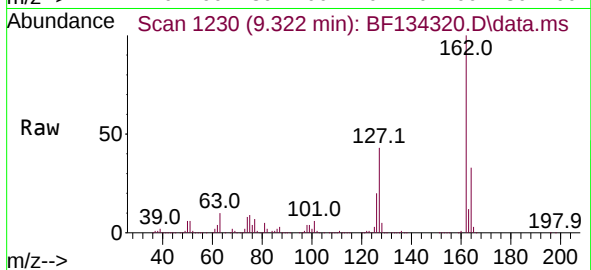
Tgt Ion:162 Resp: 354999

Ion Ratio Lower Upper

162 100

127 43.4 32.9 49.3

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 42.709 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

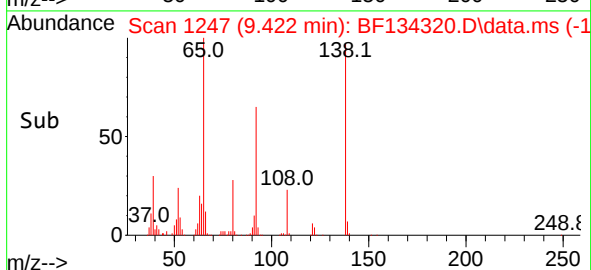
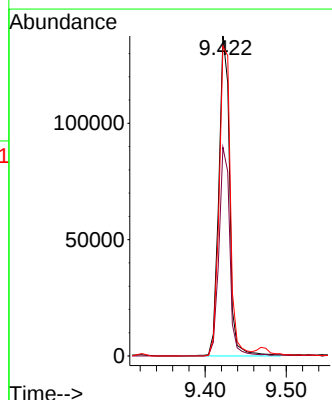
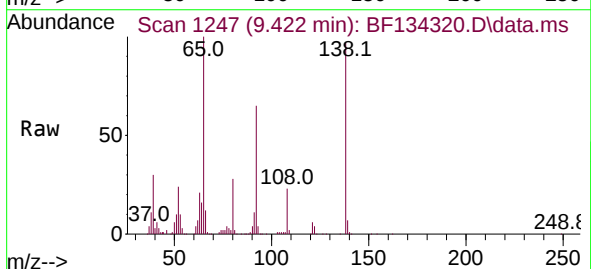
Tgt Ion: 65 Resp: 127805

Ion Ratio Lower Upper

65 100

92 65.2 49.5 74.3

138 96.8 78.0 117.0





#49

Acenaphthylene

Concen: 41.216 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

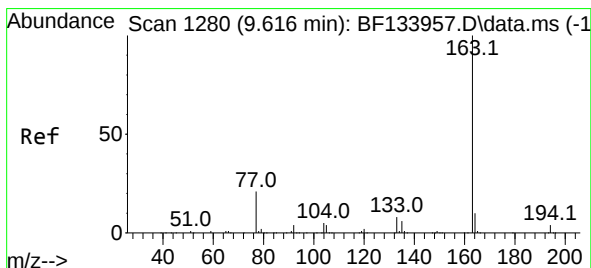
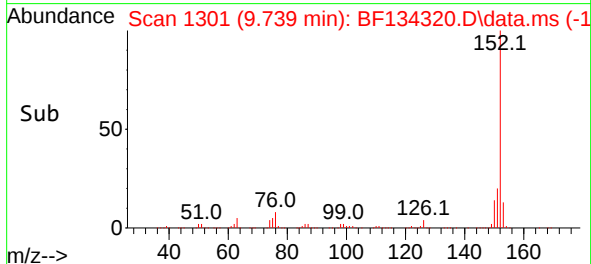
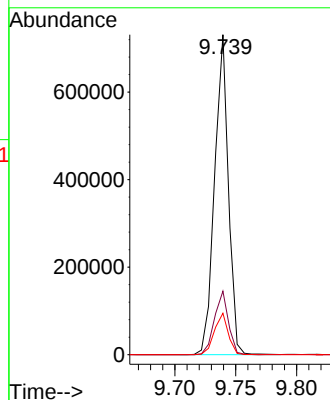
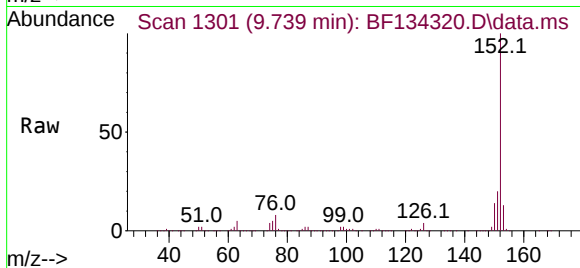
Tgt Ion:152 Resp: 578110

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 12.9 10.8 16.2



#50

Dimethylphthalate

Concen: 42.701 ng

RT: 9.598 min Scan# 1277

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

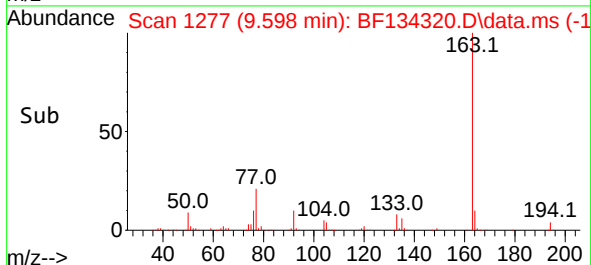
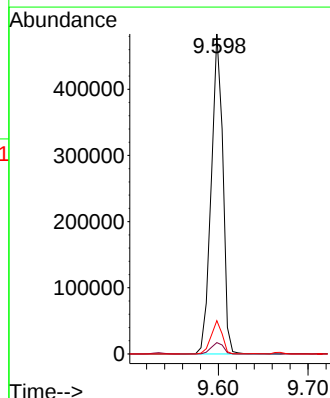
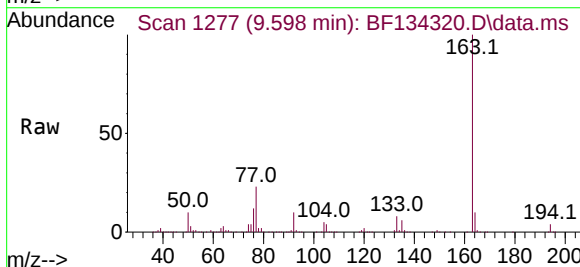
Tgt Ion:163 Resp: 433648

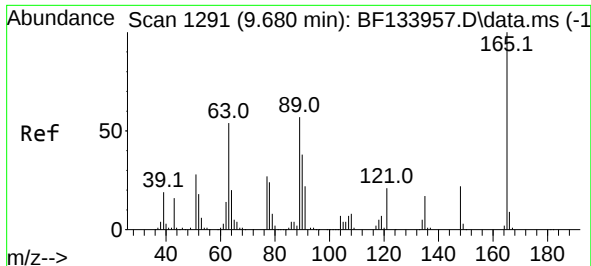
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

164 10.4 8.2 12.2

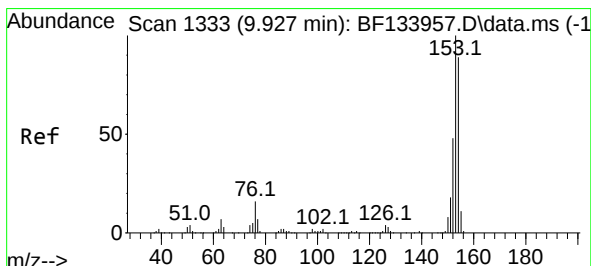
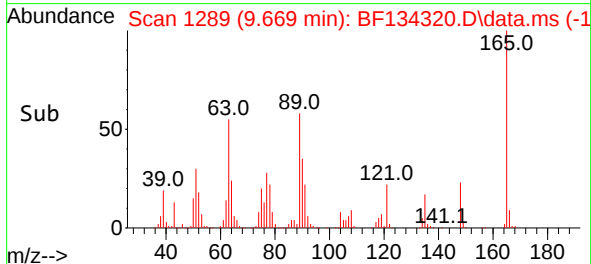
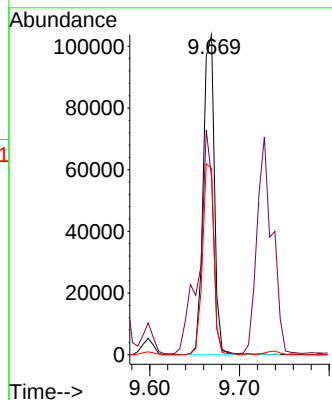
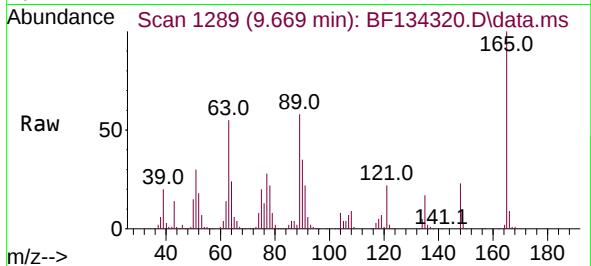




#51
2,6-Dinitrotoluene
Concen: 40.938 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

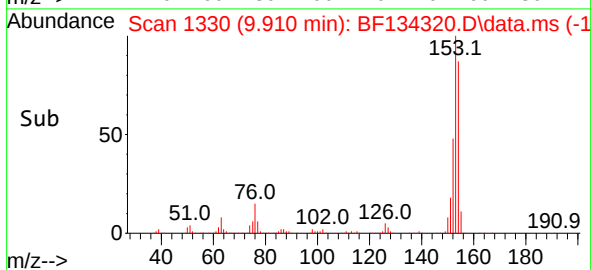
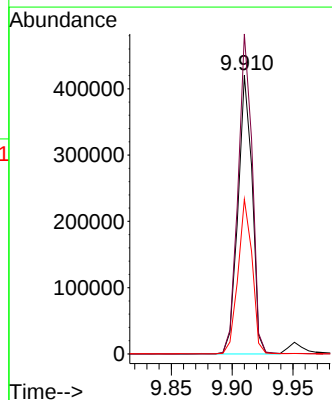
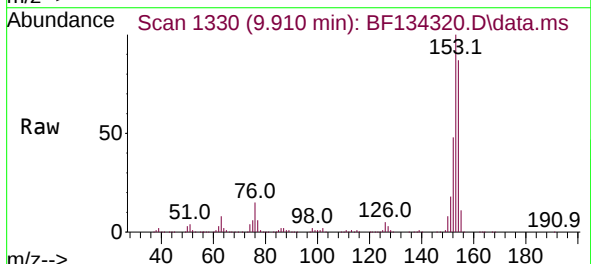
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

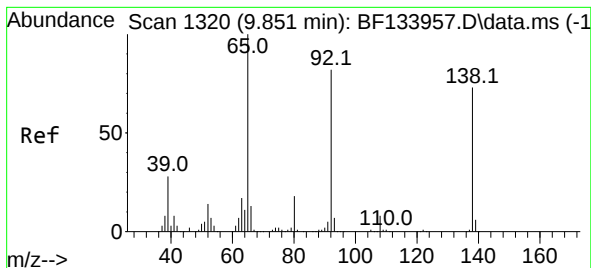
Tgt Ion:165 Resp: 89544
Ion Ratio Lower Upper
165 100
63 55.3 48.5 72.7
89 58.3 45.5 68.3



#52
Acenaphthene
Concen: 42.004 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:154 Resp: 341863
Ion Ratio Lower Upper
154 100
153 114.9 89.4 134.2
152 55.5 42.8 64.2





#53

3-Nitroaniline

Concen: 38.520 ng

RT: 9.839 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

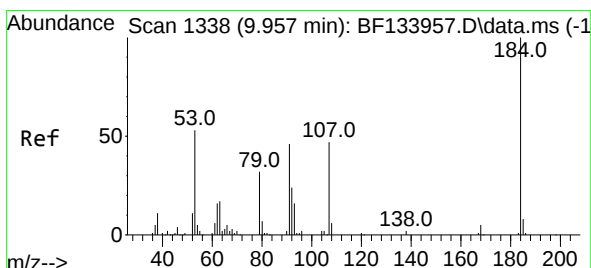
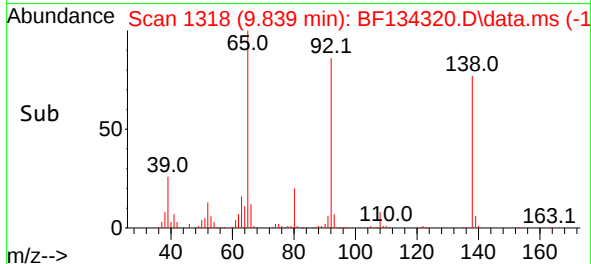
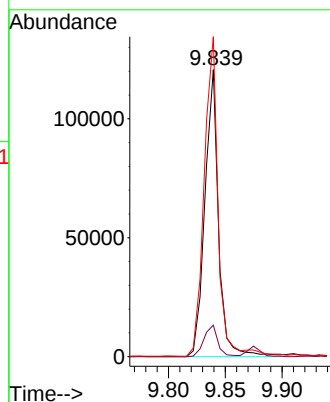
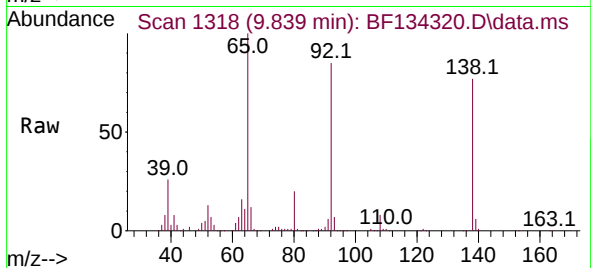
Tgt Ion:138 Resp: 101077

Ion Ratio Lower Upper

138 100

108 11.0 8.4 12.6

92 111.5 90.1 135.1



#54

2,4-Dinitrophenol

Concen: 20.012 ng

RT: 9.951 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

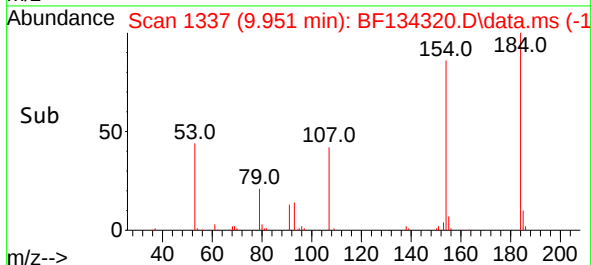
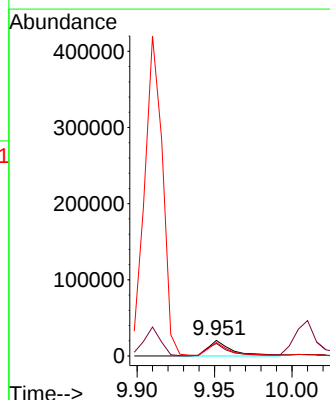
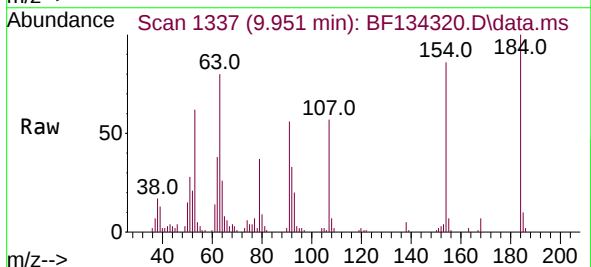
Tgt Ion:184 Resp: 21433

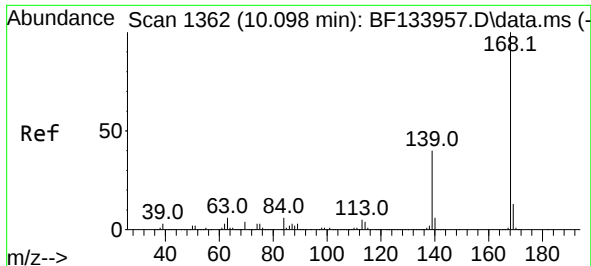
Ion Ratio Lower Upper

184 100

63 79.6 56.9 85.3

154 85.9 55.4 83.0#

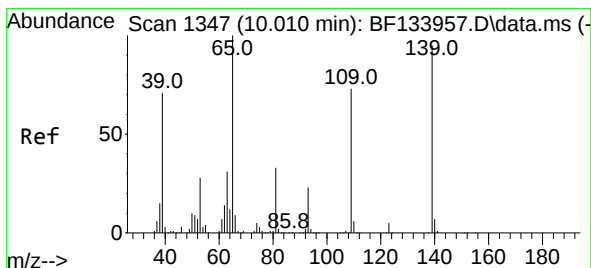
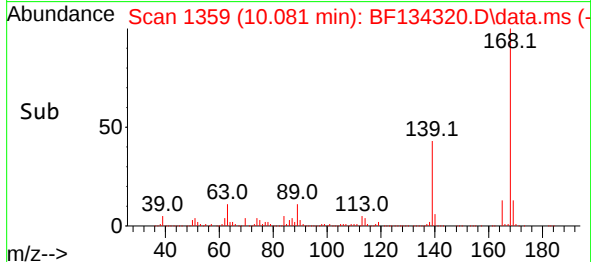
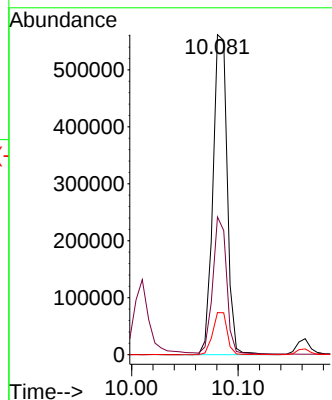
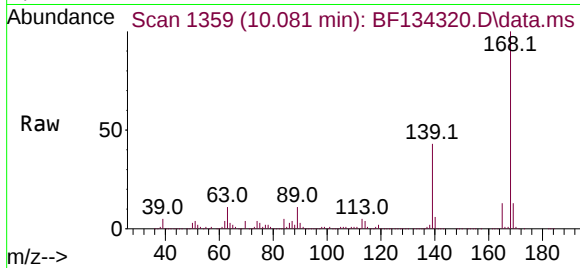




#55
Dibenzofuran
Concen: 41.197 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

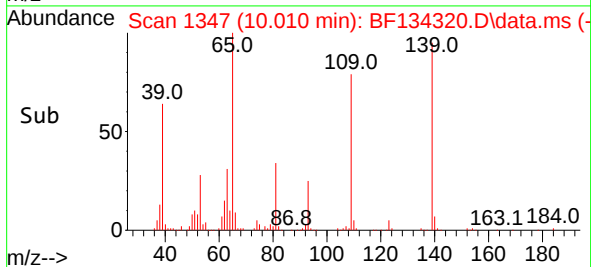
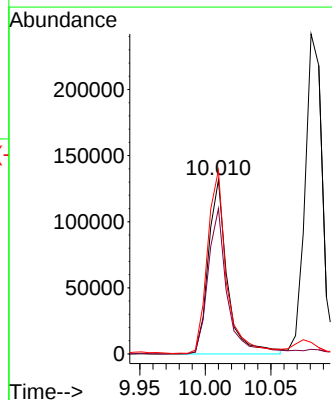
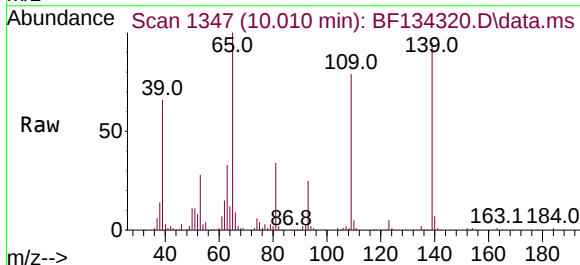
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

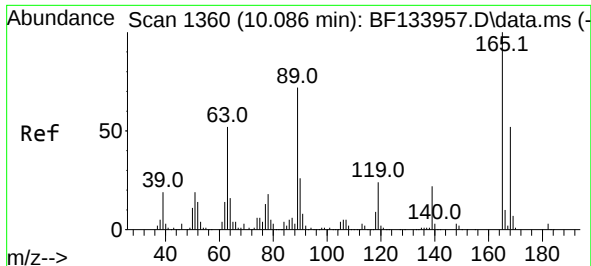
Tgt Ion:168 Resp: 524016
Ion Ratio Lower Upper
168 100
139 43.1 32.0 48.0
169 13.1 10.6 16.0



#56
4-Nitrophenol
Concen: 72.117 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:139 Resp: 132369
Ion Ratio Lower Upper
139 100
109 83.5 56.8 96.8
65 105.7 86.1 126.1

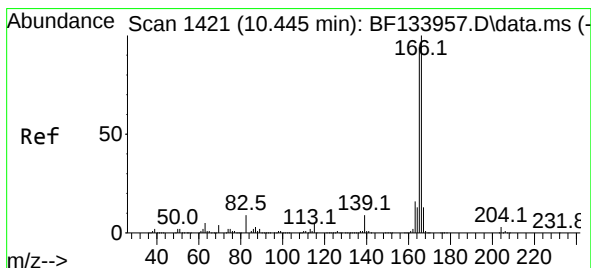
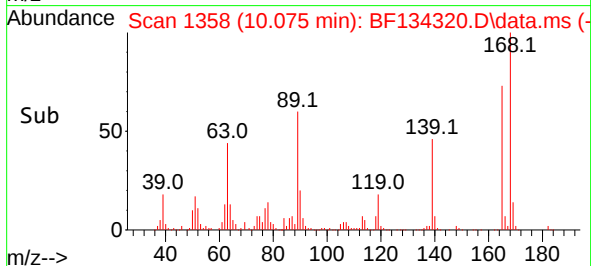
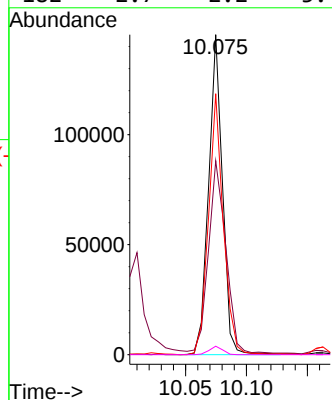
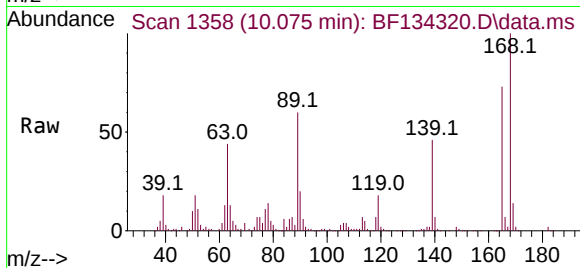




#57
2,4-Dinitrotoluene
Concen: 39.734 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

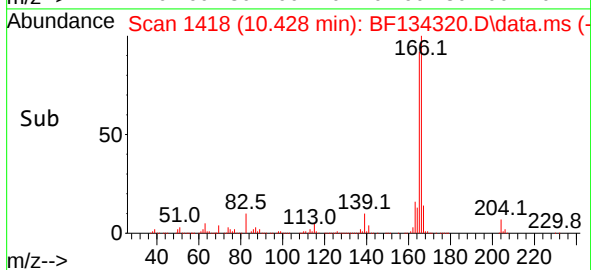
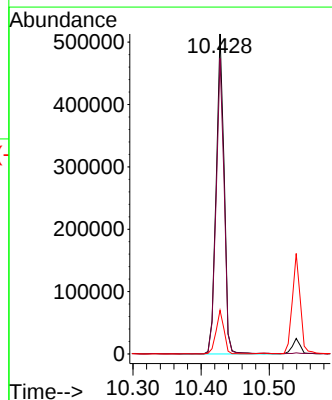
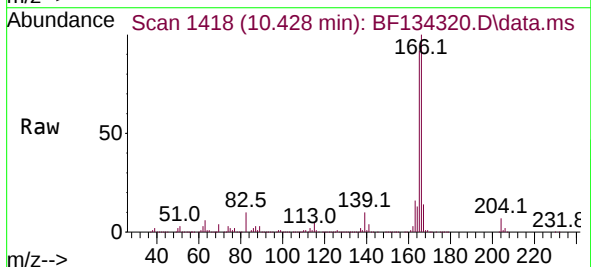
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

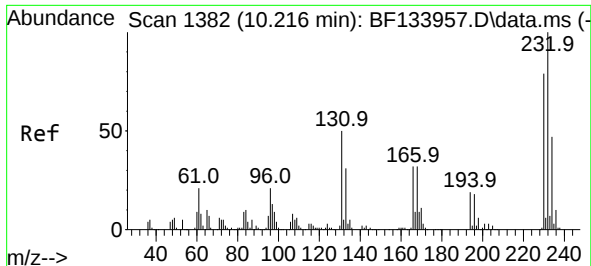
Tgt Ion:165 Resp: 114775
Ion Ratio Lower Upper
165 100
63 60.6 42.2 63.2
89 81.5 57.4 86.2
182 2.7 2.2 3.4



#58
Fluorene
Concen: 42.379 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:166 Resp: 419371
Ion Ratio Lower Upper
166 100
165 92.4 75.0 112.4
167 13.7 10.6 15.8

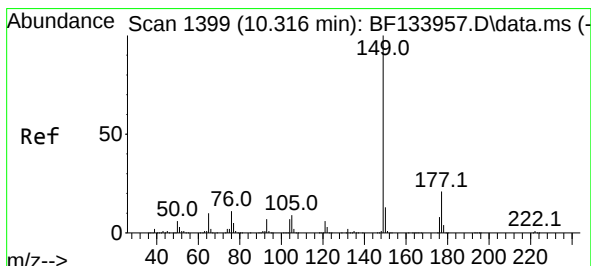
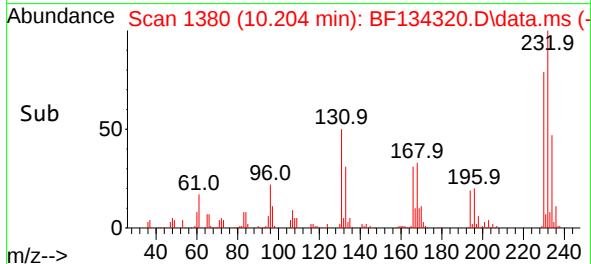
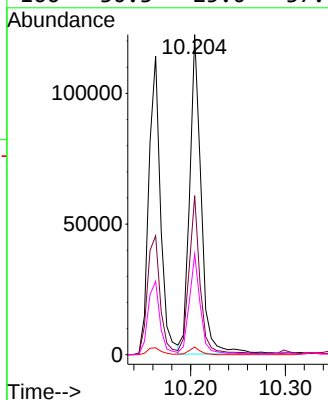
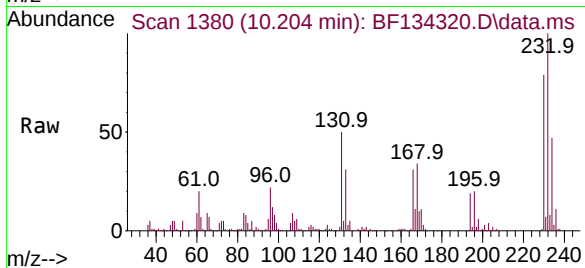




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.690 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

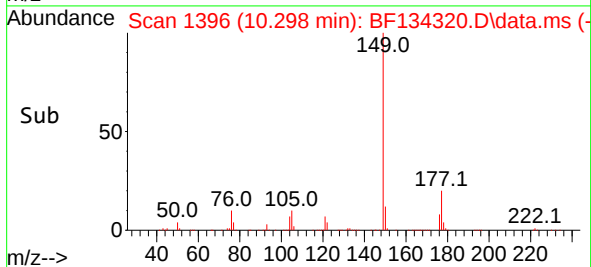
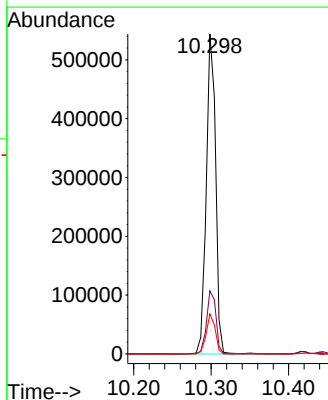
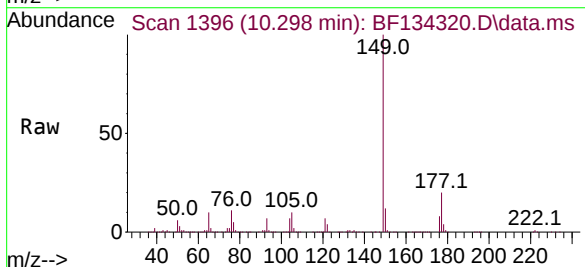
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

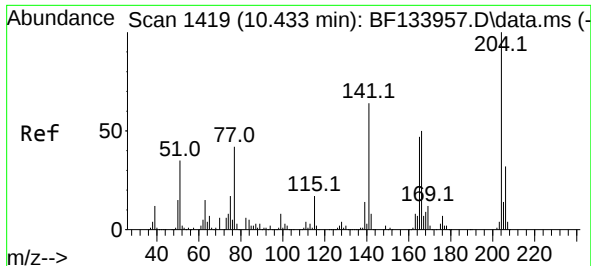
Tgt Ion:232 Resp: 103906
Ion Ratio Lower Upper
232 100
131 47.0 39.3 58.9
130 2.4 1.8 2.6
166 30.3 25.0 37.6



#60
Diethylphthalate
Concen: 43.000 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:149 Resp: 454956
Ion Ratio Lower Upper
149 100
177 19.7 17.0 25.6
150 12.5 10.2 15.2

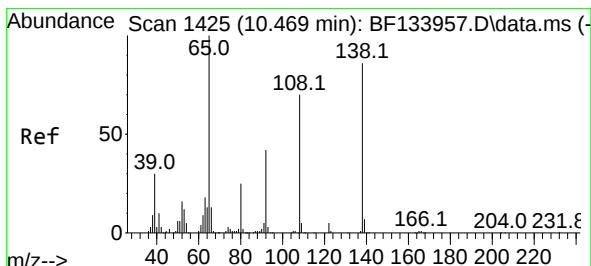
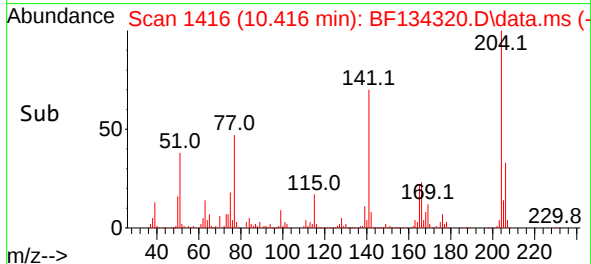
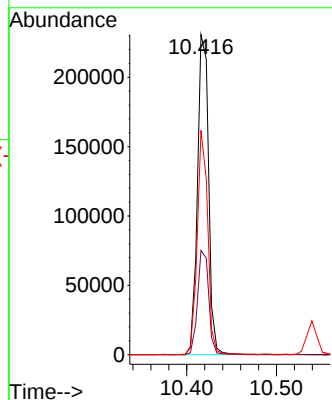
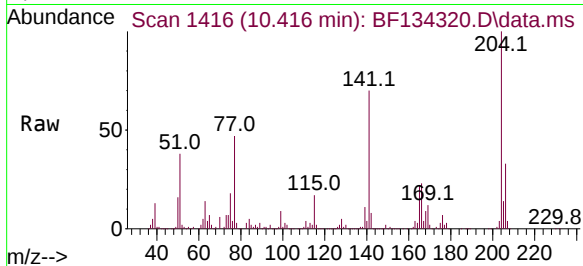




#61
4-Chlorophenyl-phenylether
Concen: 41.688 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

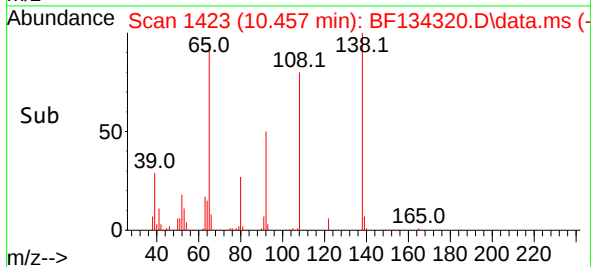
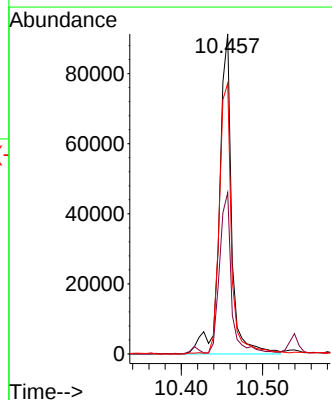
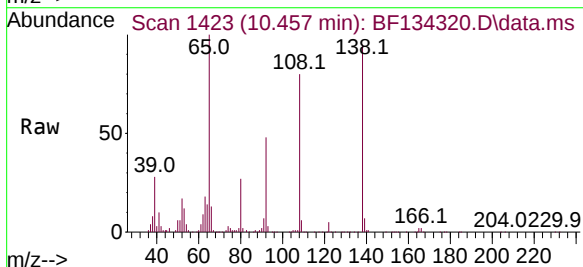
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

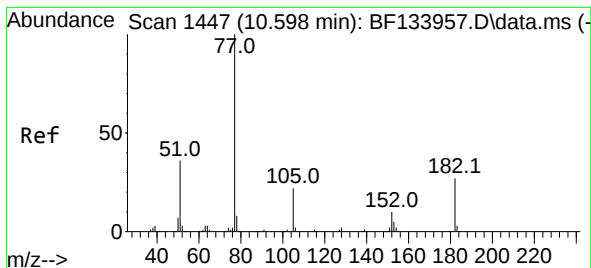
Tgt Ion:204 Resp: 198809
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.6
141 70.1 51.5 77.3



#62
4-Nitroaniline
Concen: 36.238 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:138 Resp: 95832
Ion Ratio Lower Upper
138 100
92 50.4 29.7 69.7
108 84.6 62.1 102.1





#63

Azobenzene

Concen: 39.939 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

Tgt Ion: 77 Resp: 399712

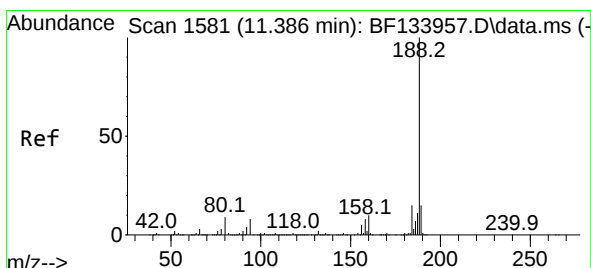
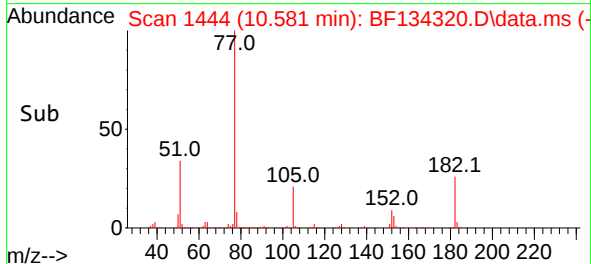
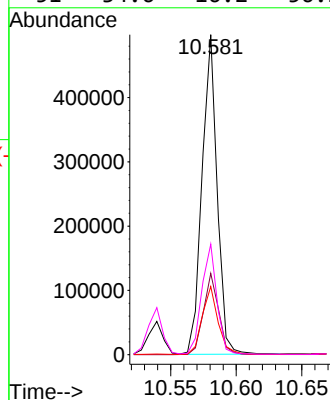
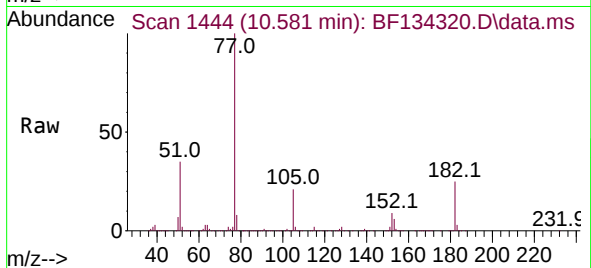
Ion Ratio Lower Upper

77 100

182 25.4 6.8 46.8

105 21.3 2.3 42.3

51 34.6 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

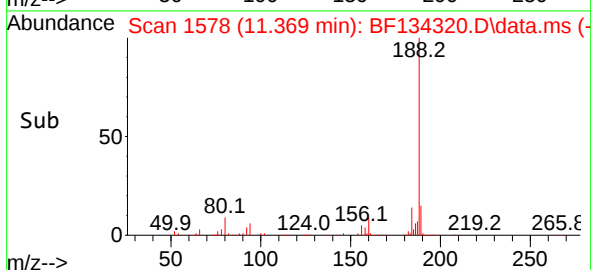
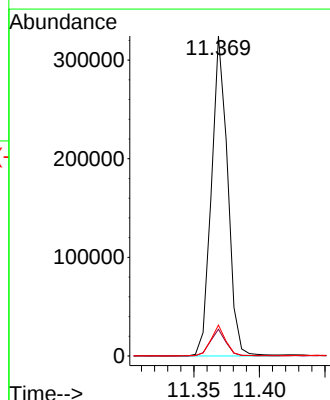
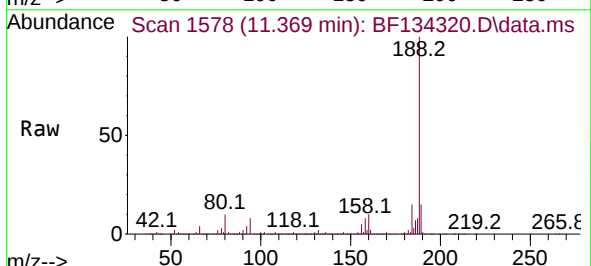
Tgt Ion:188 Resp: 278974

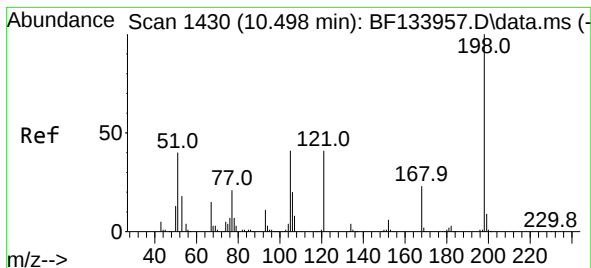
Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.7 7.3 10.9

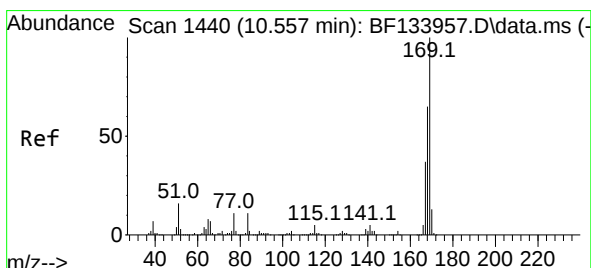
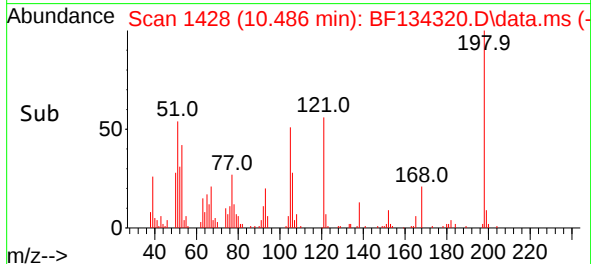
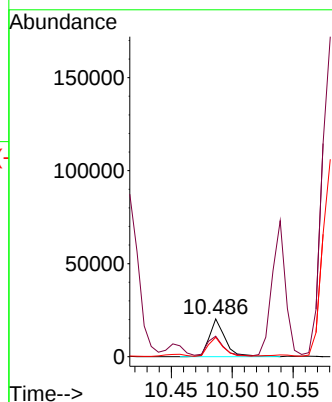
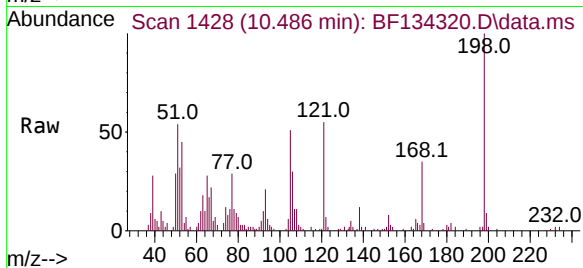




#65
4,6-Dinitro-2-methylphenol
Concen: 11.985 ng
RT: 10.486 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

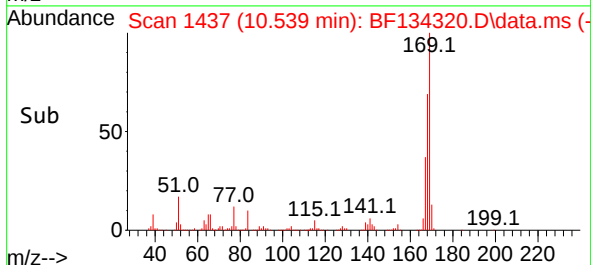
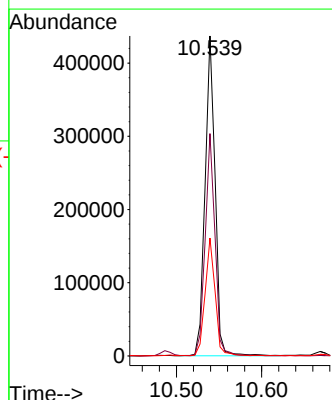
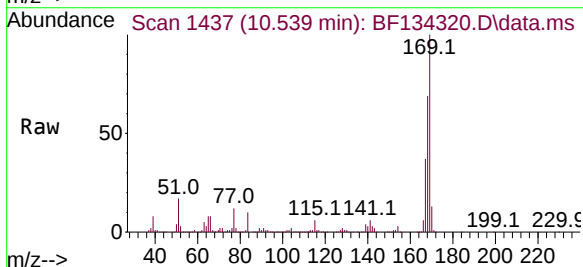
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

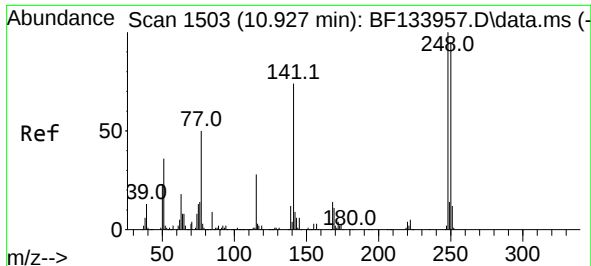
Tgt Ion:198 Resp: 18228
Ion Ratio Lower Upper
198 100
51 54.1 29.3 69.3
105 51.1 22.4 62.4



#66
n-Nitrosodiphenylamine
Concen: 39.966 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:169 Resp: 356228
Ion Ratio Lower Upper
169 100
168 69.5 52.3 78.5
167 36.8 29.4 44.0

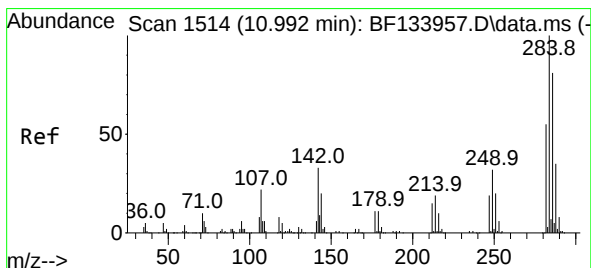
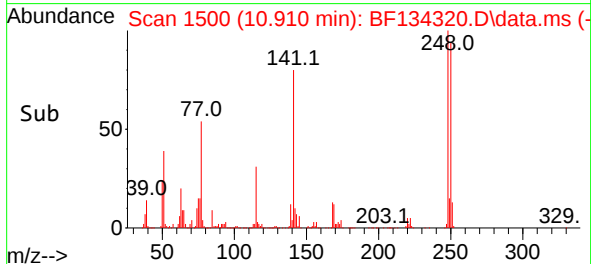
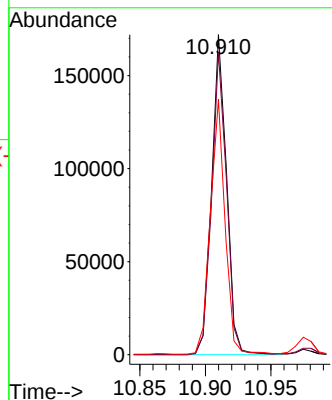
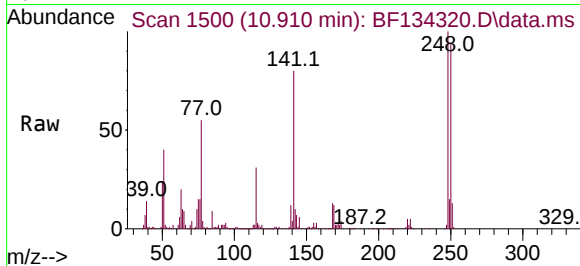




#67
4-Bromophenyl-phenylether
Concen: 46.042 ng
RT: 10.910 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

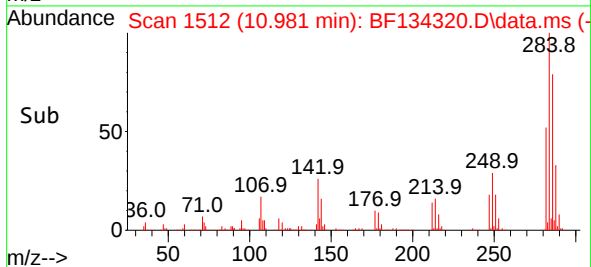
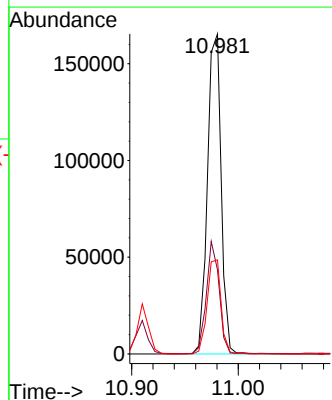
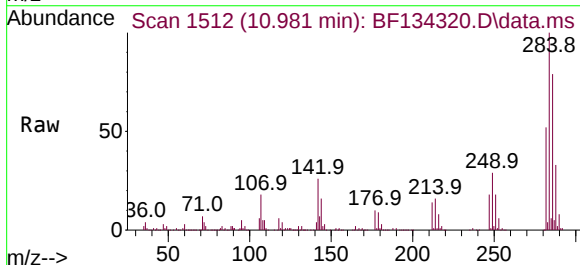
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

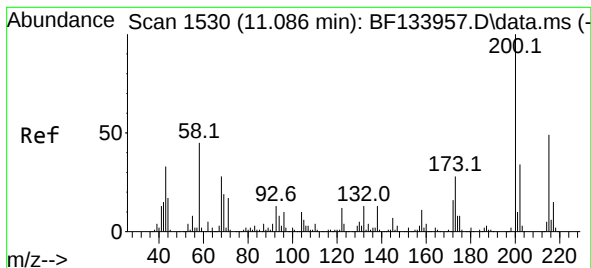
Tgt Ion:248 Resp: 136523
Ion Ratio Lower Upper
248 100
250 94.4 76.2 114.4
141 79.9 59.0 88.4



#68
Hexachlorobenzene
Concen: 47.125 ng
RT: 10.981 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:284 Resp: 148364
Ion Ratio Lower Upper
284 100
142 26.3 26.6 40.0#
249 29.4 25.5 38.3





#69

Atrazine

Concen: 51.505 ng

RT: 11.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

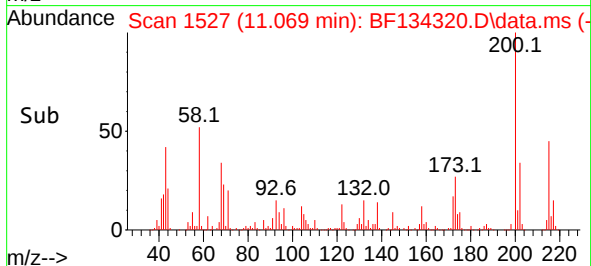
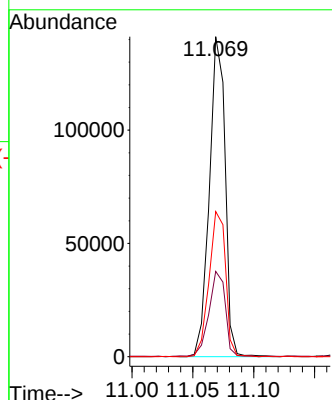
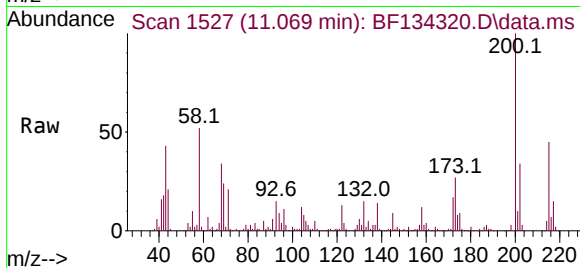
Tgt Ion:200 Resp: 126985

Ion Ratio Lower Upper

200 100

173 26.6 8.0 48.0

215 45.3 29.3 69.3



#70

Pentachlorophenol

Concen: 69.609 ng

RT: 11.181 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

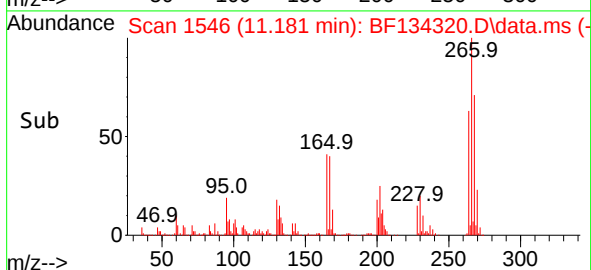
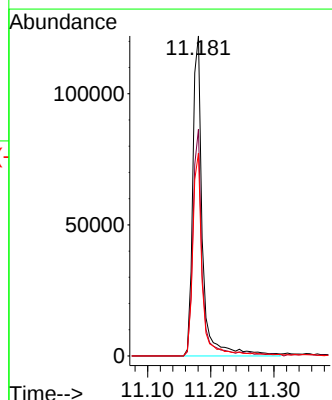
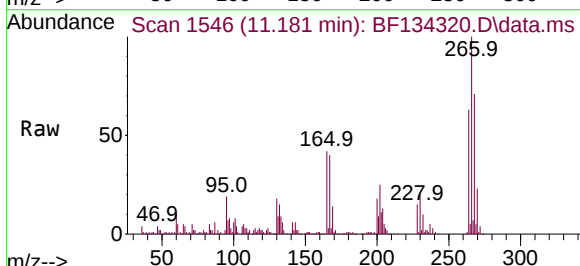
Tgt Ion:266 Resp: 131033

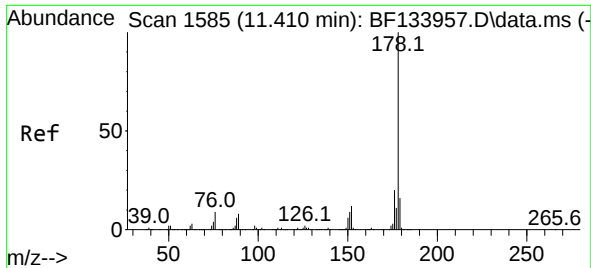
Ion Ratio Lower Upper

266 100

268 70.9 52.6 79.0

264 63.4 50.6 76.0

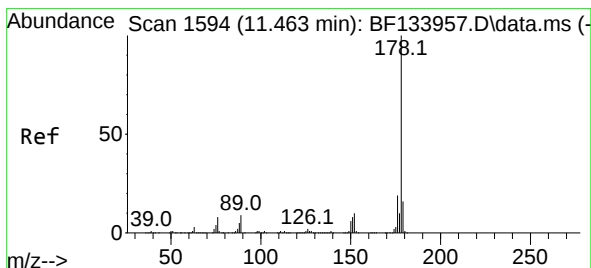
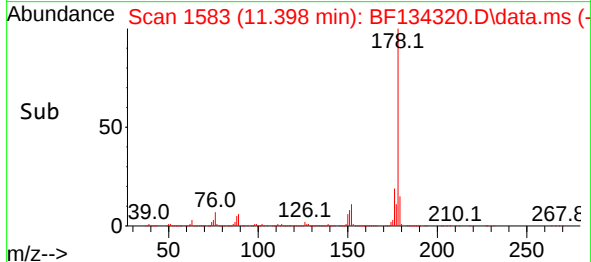
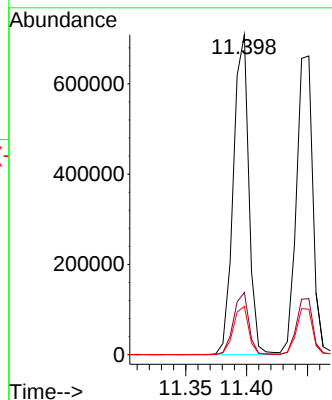
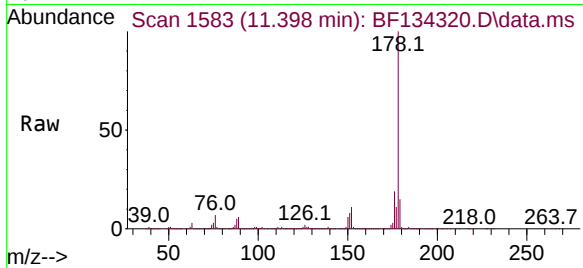




#71
Phenanthrene
Concen: 44.700 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

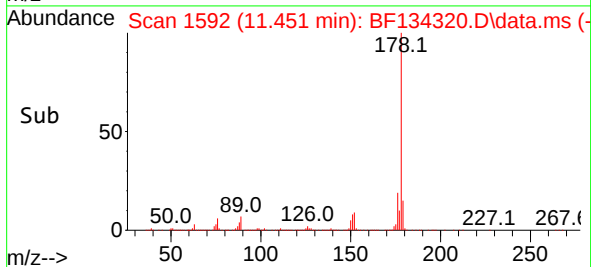
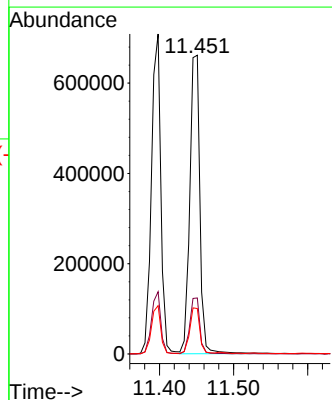
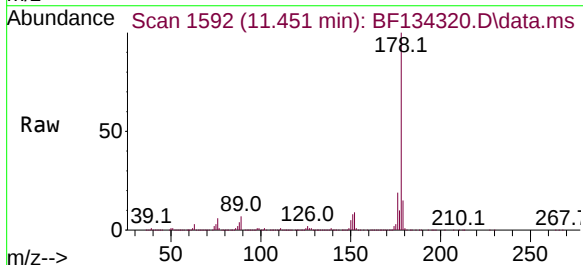
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

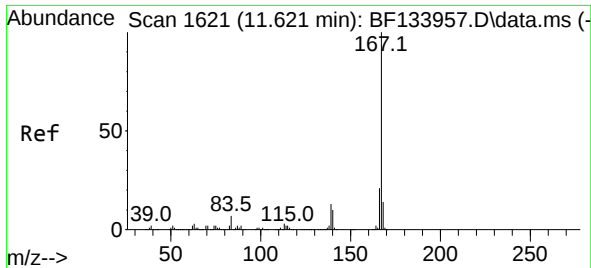
Tgt Ion:178 Resp: 627767
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.1 12.4 18.6



#72
Anthracene
Concen: 43.006 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:178 Resp: 628212
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.2 12.4 18.6

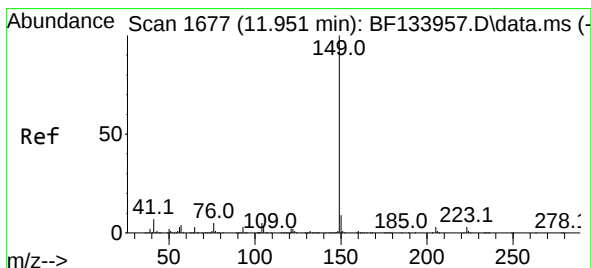
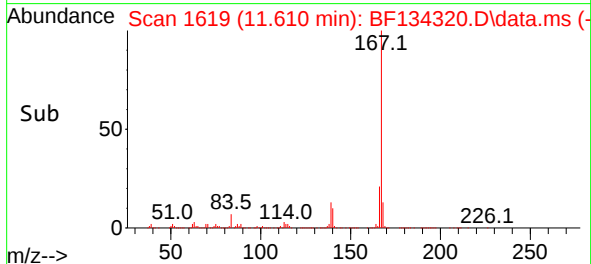
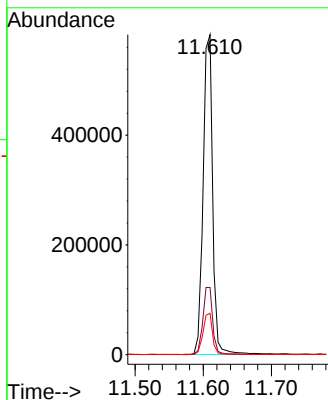
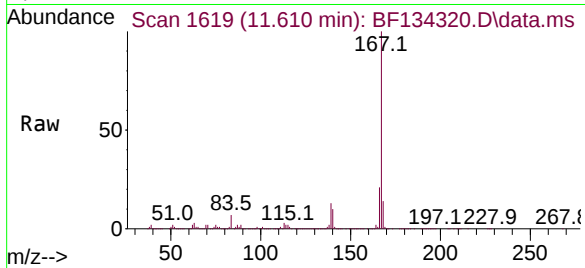




#73
Carbazole
Concen: 42.601 ng
RT: 11.610 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

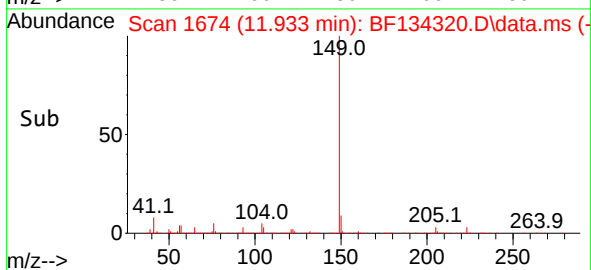
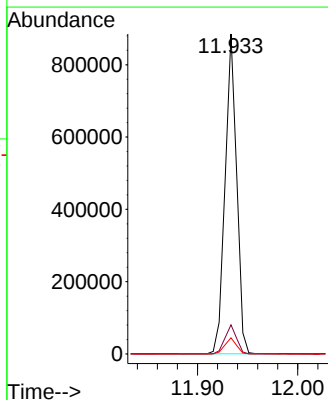
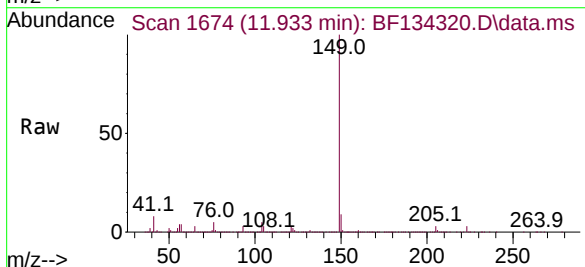
Instrument :
BNA_F
ClientSampleId :
VNJ-210MS

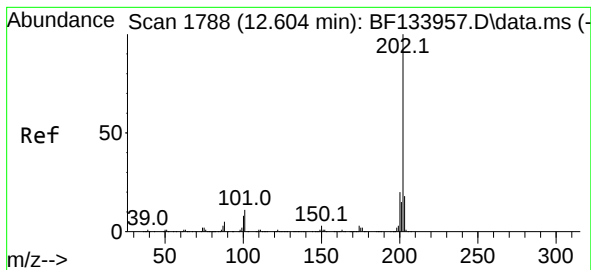
Tgt Ion:167 Resp: 569579
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.9 10.4 15.6



#74
Di-n-butylphthalate
Concen: 44.433 ng
RT: 11.933 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BF134320.D
Acq: 17 Jul 2023 17:35

Tgt Ion:149 Resp: 706473
Ion Ratio Lower Upper
149 100
150 9.1 7.1 10.7
104 5.1 4.0 6.0





#75

Fluoranthene

Concen: 40.744 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

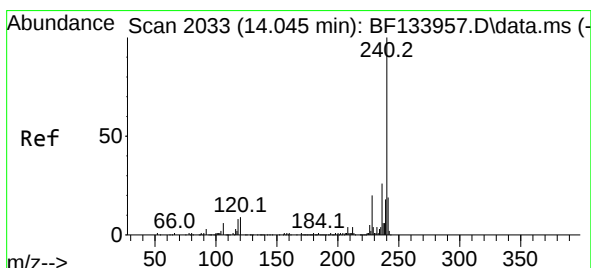
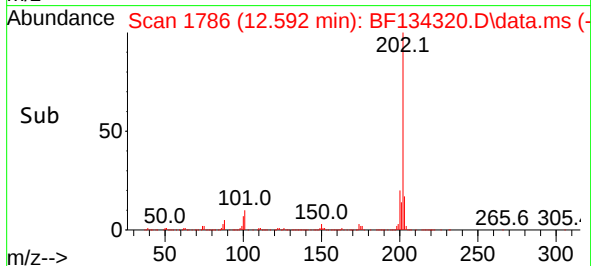
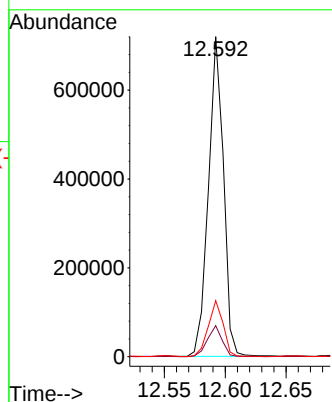
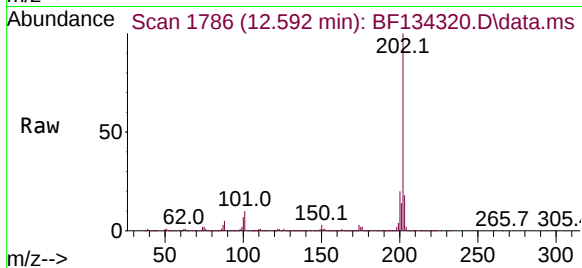
Tgt Ion:202 Resp: 618612

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.0

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

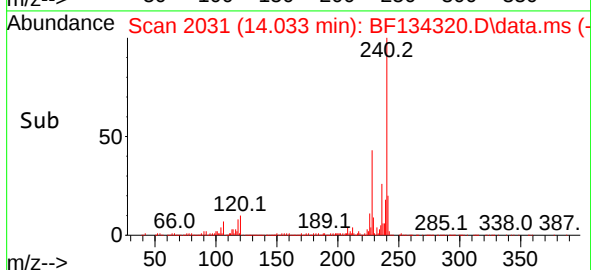
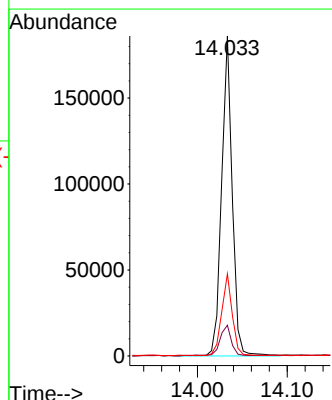
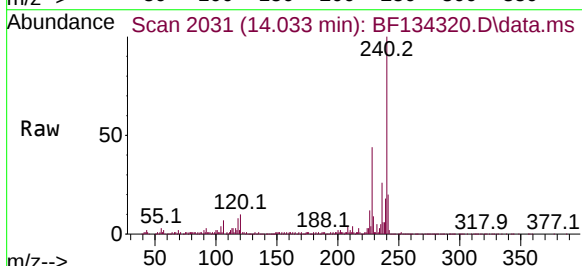
Tgt Ion:240 Resp: 153066

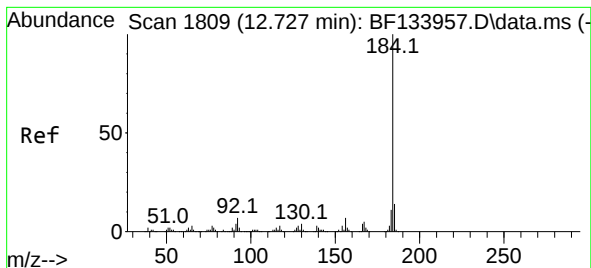
Ion Ratio Lower Upper

240 100

120 9.6 7.4 11.0

236 25.7 21.0 31.6





#77

Benzidine

Concen: 70.096 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

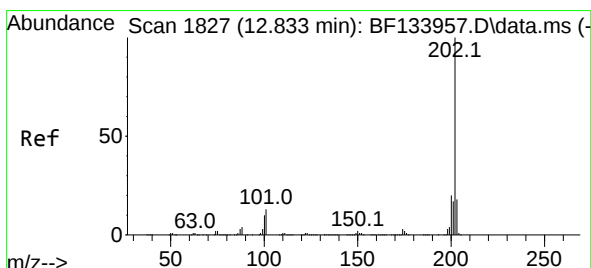
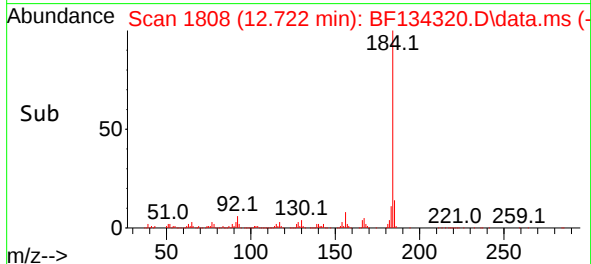
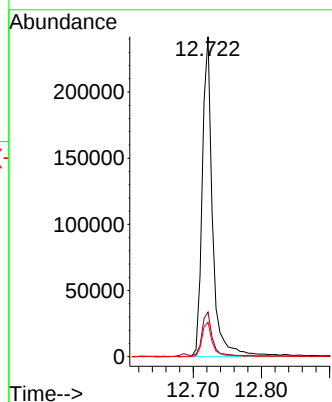
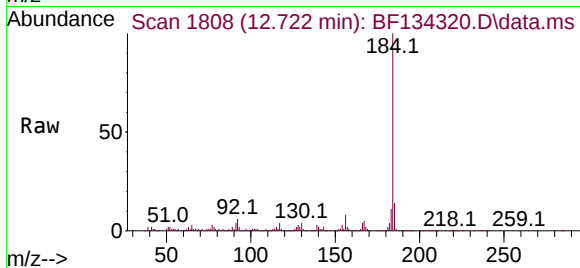
Tgt Ion:184 Resp: 255296

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

183 10.7 8.8 13.2



#78

Pyrene

Concen: 44.266 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

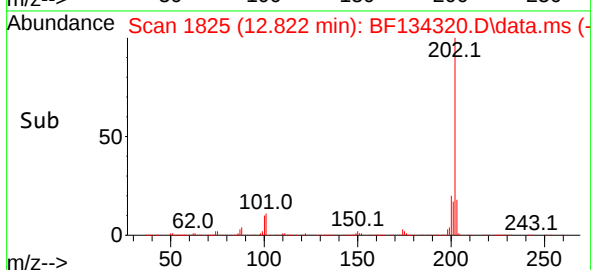
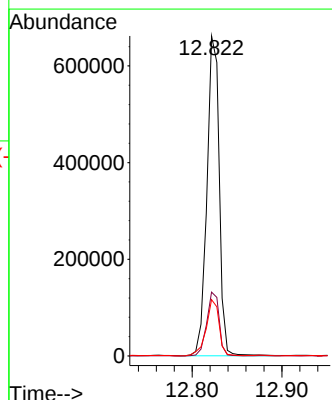
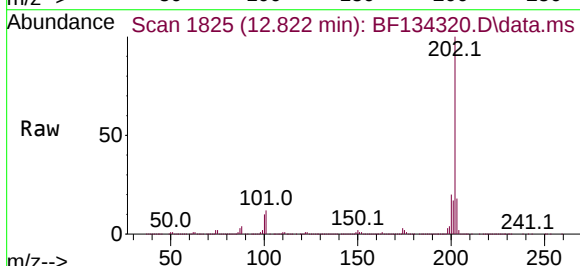
Tgt Ion:202 Resp: 630560

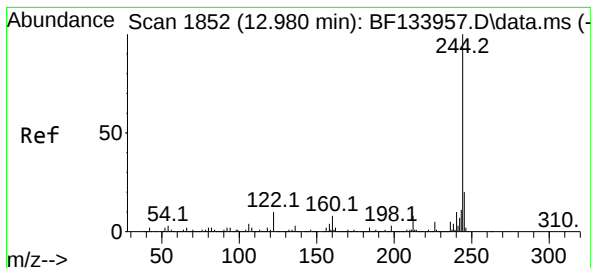
Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 63.035 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

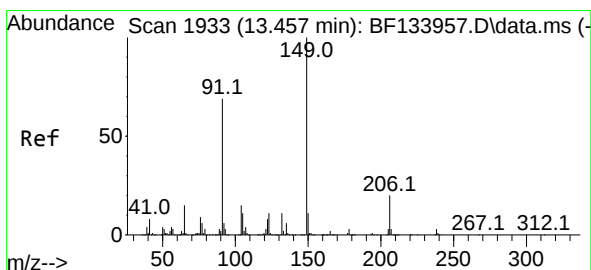
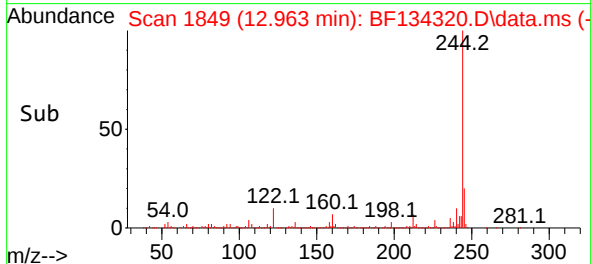
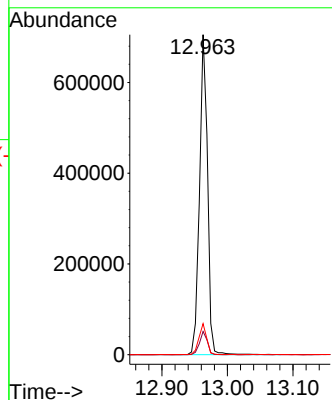
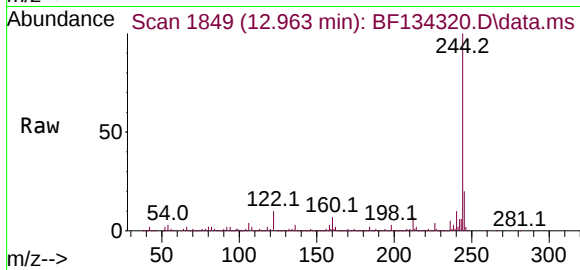
Tgt Ion:244 Resp: 599504

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.7 8.3 12.5



#80

Butylbenzylphthalate

Concen: 42.703 ng

RT: 13.445 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

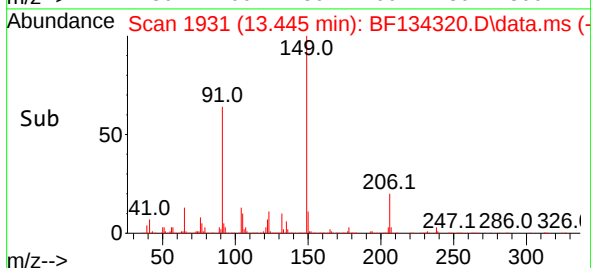
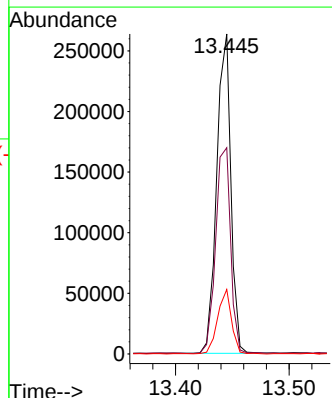
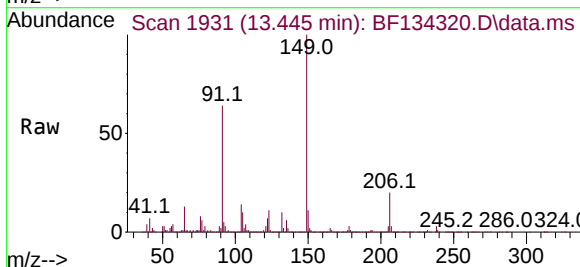
Tgt Ion:149 Resp: 228141

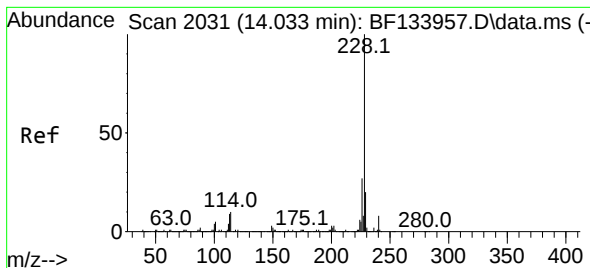
Ion Ratio Lower Upper

149 100

91 64.5 55.1 82.7

206 20.2 15.7 23.5





#81

Benzo(a)anthracene

Concen: 45.852 ng

RT: 14.022 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

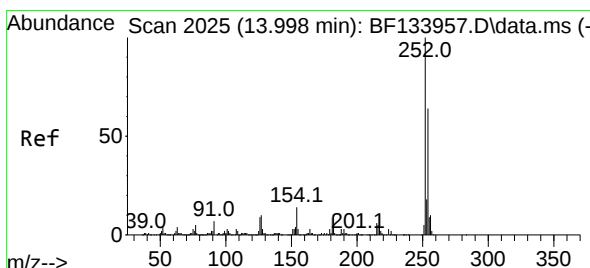
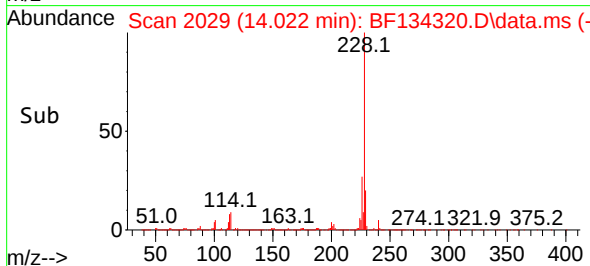
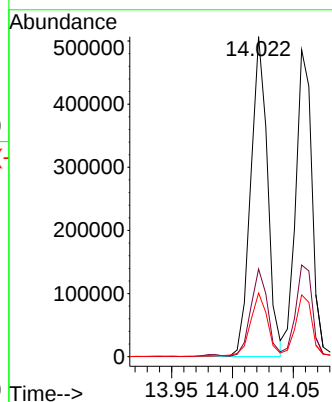
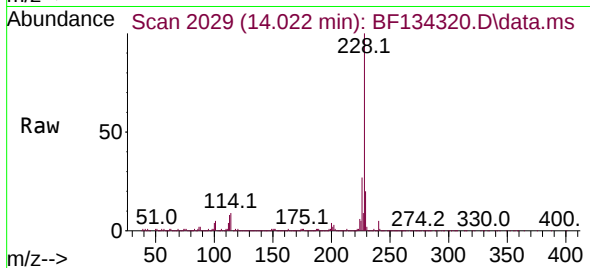
Tgt Ion:228 Resp: 486735

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

229 19.9 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 46.035 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

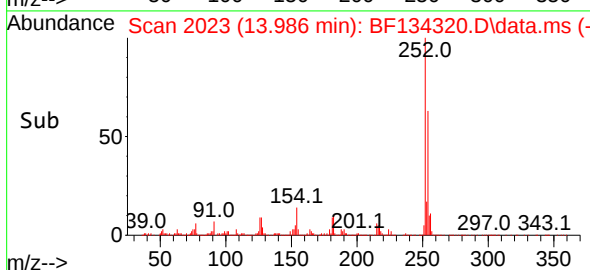
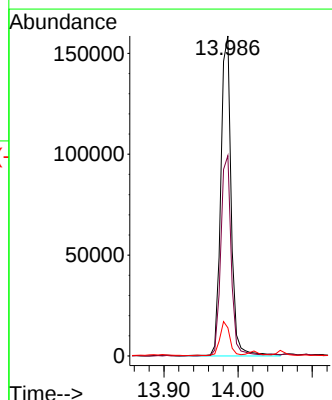
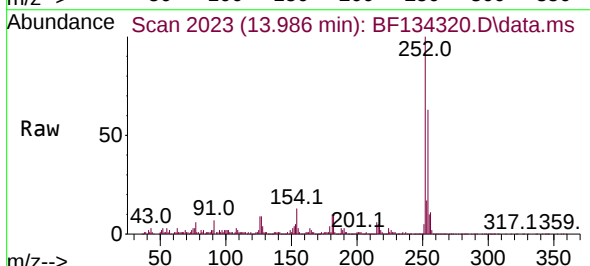
Tgt Ion:252 Resp: 154825

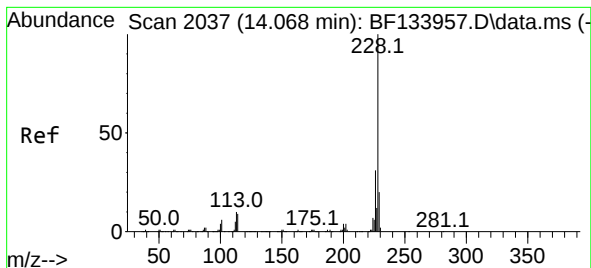
Ion Ratio Lower Upper

252 100

254 62.6 51.4 77.0

126 8.8 7.4 11.2





#83

Chrysene

Concen: 43.748 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

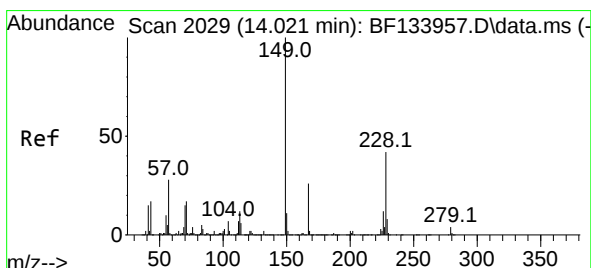
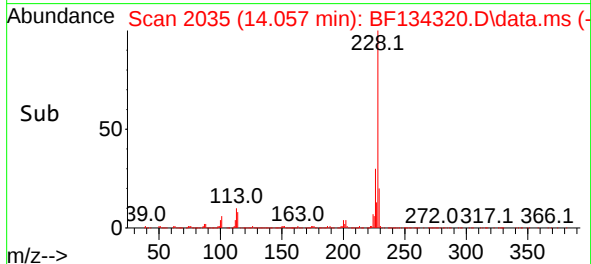
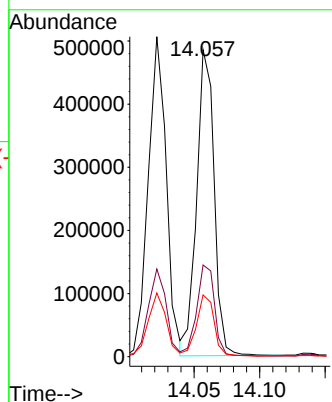
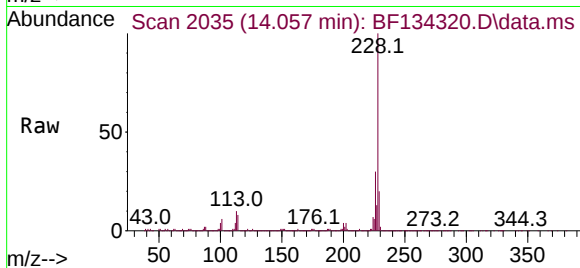
Tgt Ion:228 Resp: 449806

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.255 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

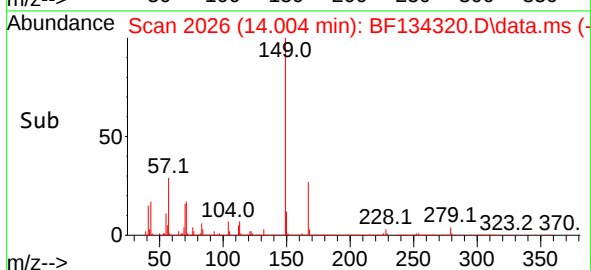
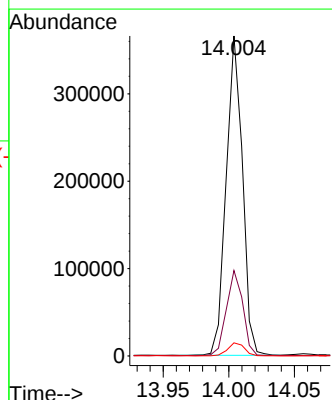
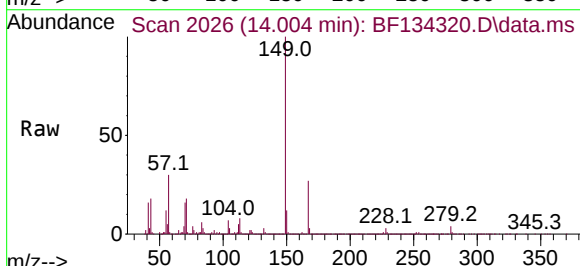
Tgt Ion:149 Resp: 314648

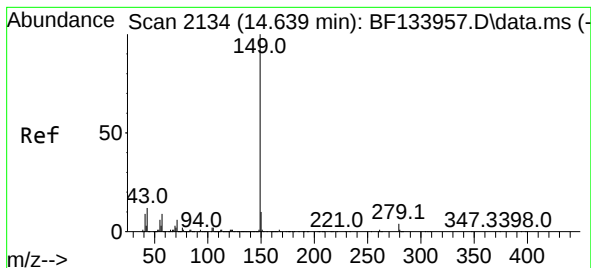
Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 57.782 ng

RT: 14.627 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

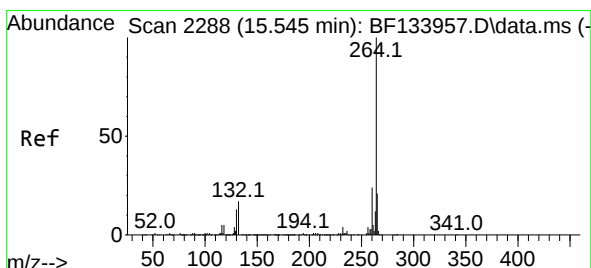
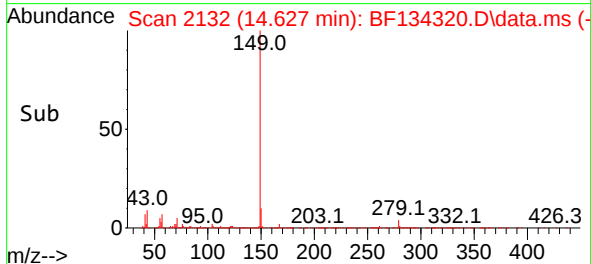
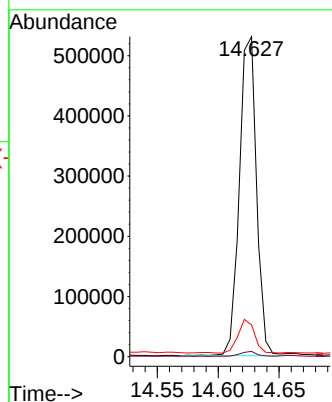
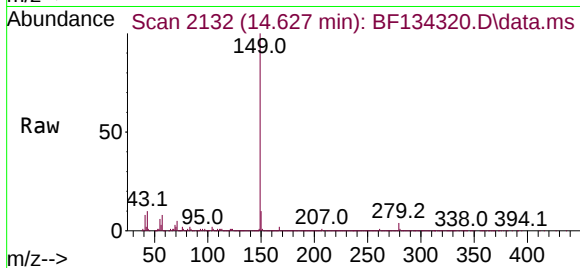
Tgt Ion:149 Resp: 521207

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.0 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2286

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

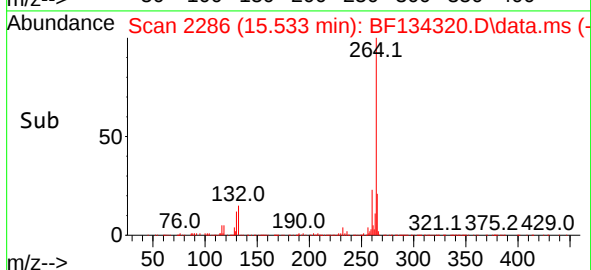
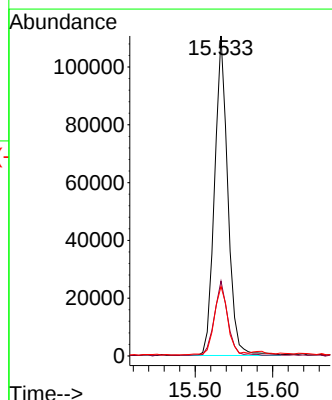
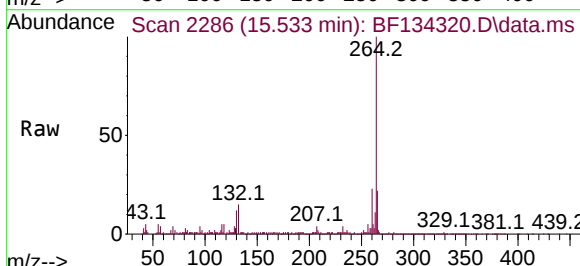
Tgt Ion:264 Resp: 131148

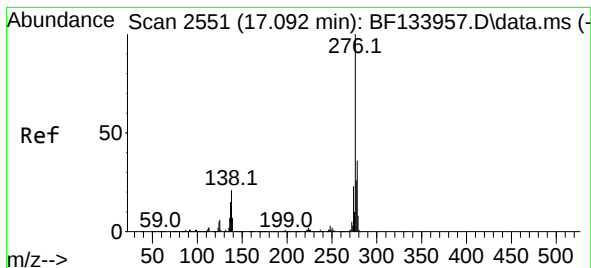
Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.220 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

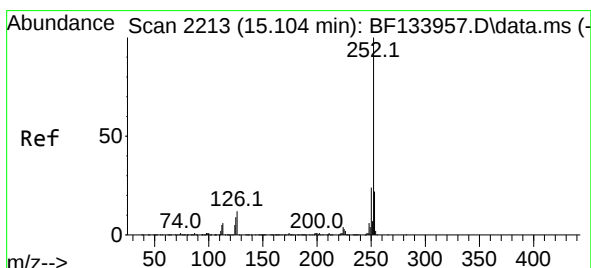
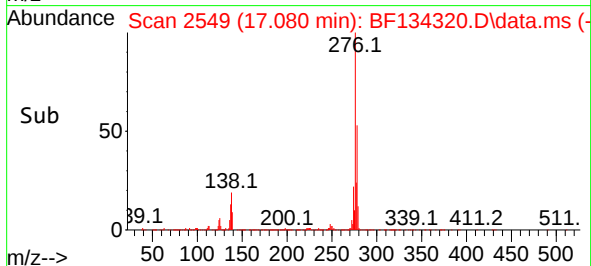
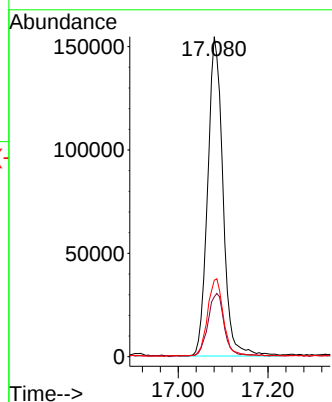
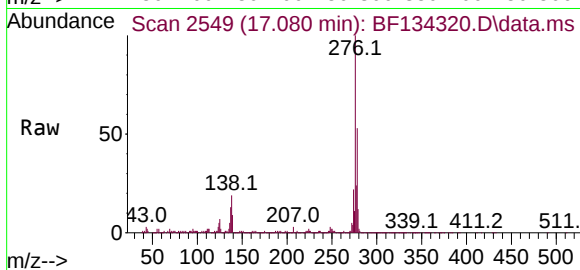
Tgt Ion:276 Resp: 366019

Ion Ratio Lower Upper

276 100

138 21.2 18.7 28.1

277 24.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 52.835 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

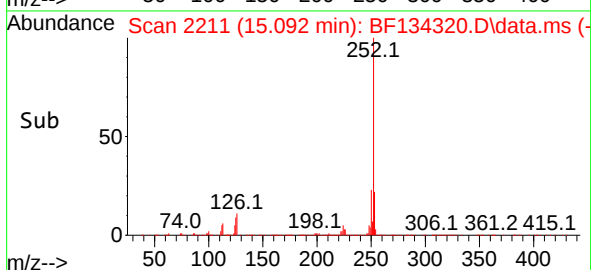
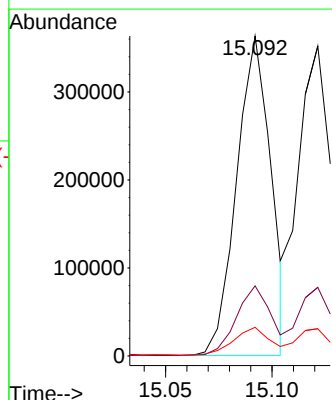
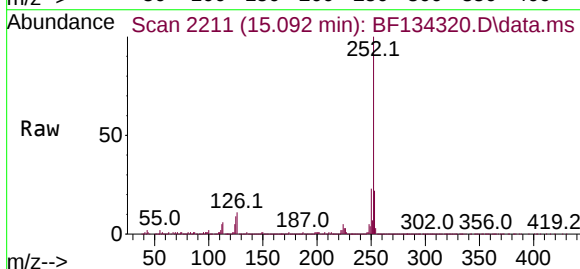
Tgt Ion:252 Resp: 407441

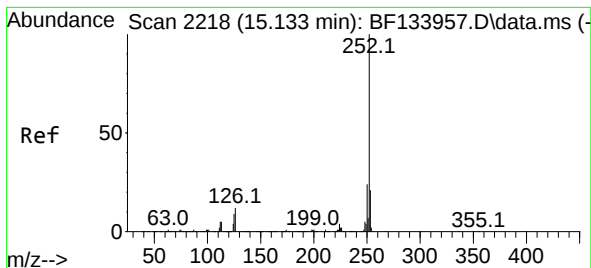
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 49.349 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

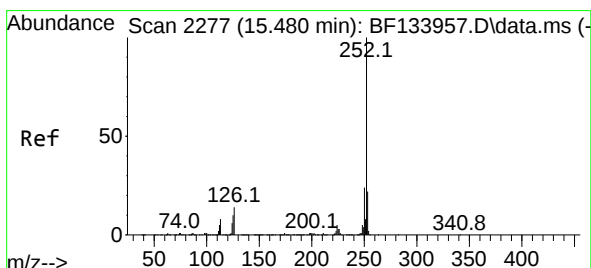
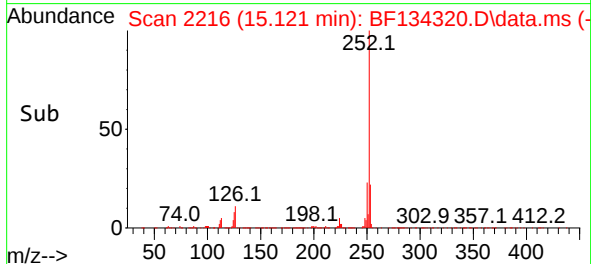
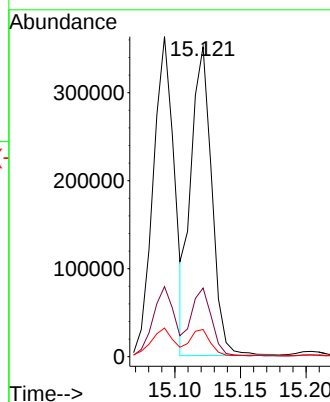
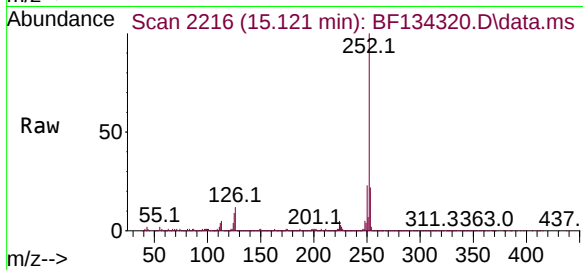
Tgt Ion:252 Resp: 387471

Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 8.8 7.4 11.2



#90

Benzo(a)pyrene

Concen: 43.158 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

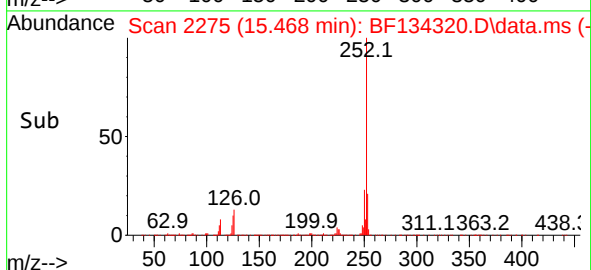
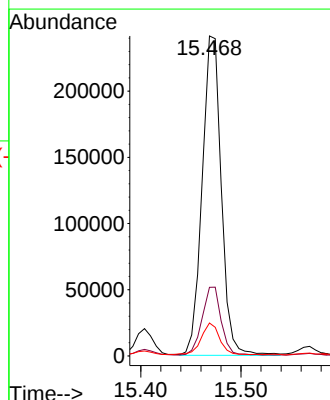
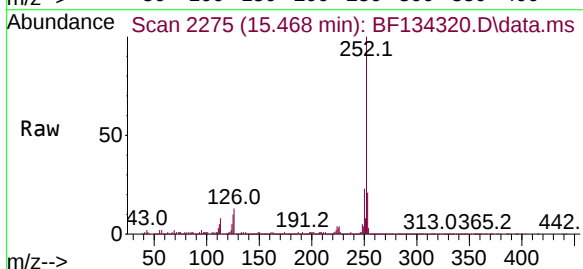
Tgt Ion:252 Resp: 321828

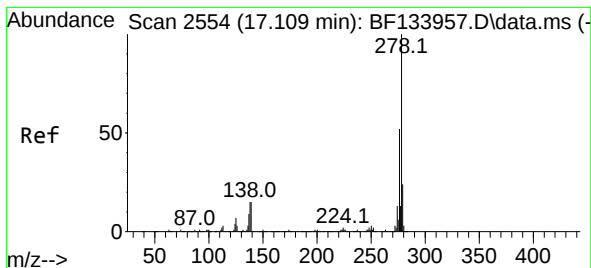
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 10.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 40.154 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Instrument :

BNA_F

ClientSampleId :

VNJ-210MS

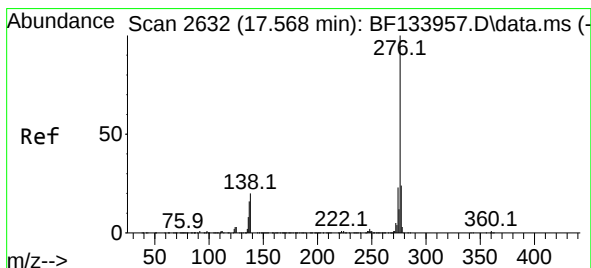
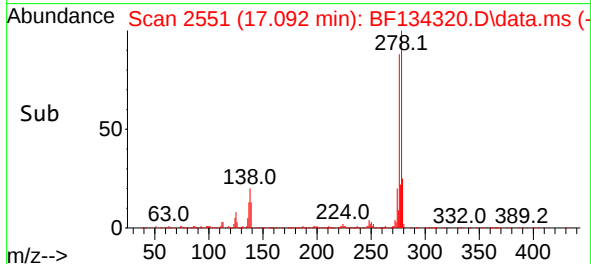
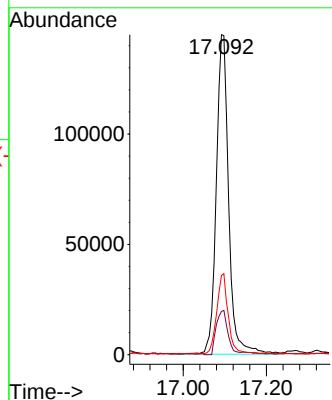
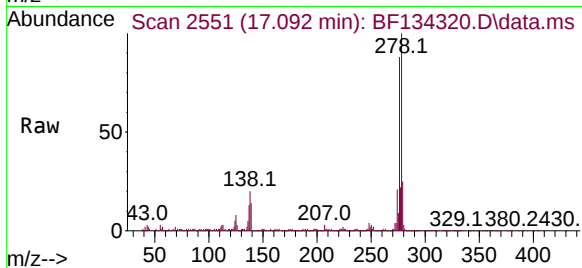
Tgt Ion:278 Resp: 298471

Ion Ratio Lower Upper

278 100

139 13.5 12.2 18.4

279 24.8 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 35.100 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.017 min

Lab File: BF134320.D

Acq: 17 Jul 2023 17:35

Tgt Ion:276 Resp: 269055

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.6

138 17.1 16.2 24.2

