

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093022\
 Data File : BF130487.D
 Acq On : 30 Sep 2022 16:43
 Operator : CG\JU
 Sample : N4862-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203DL

Quant Time: Oct 01 01:36:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

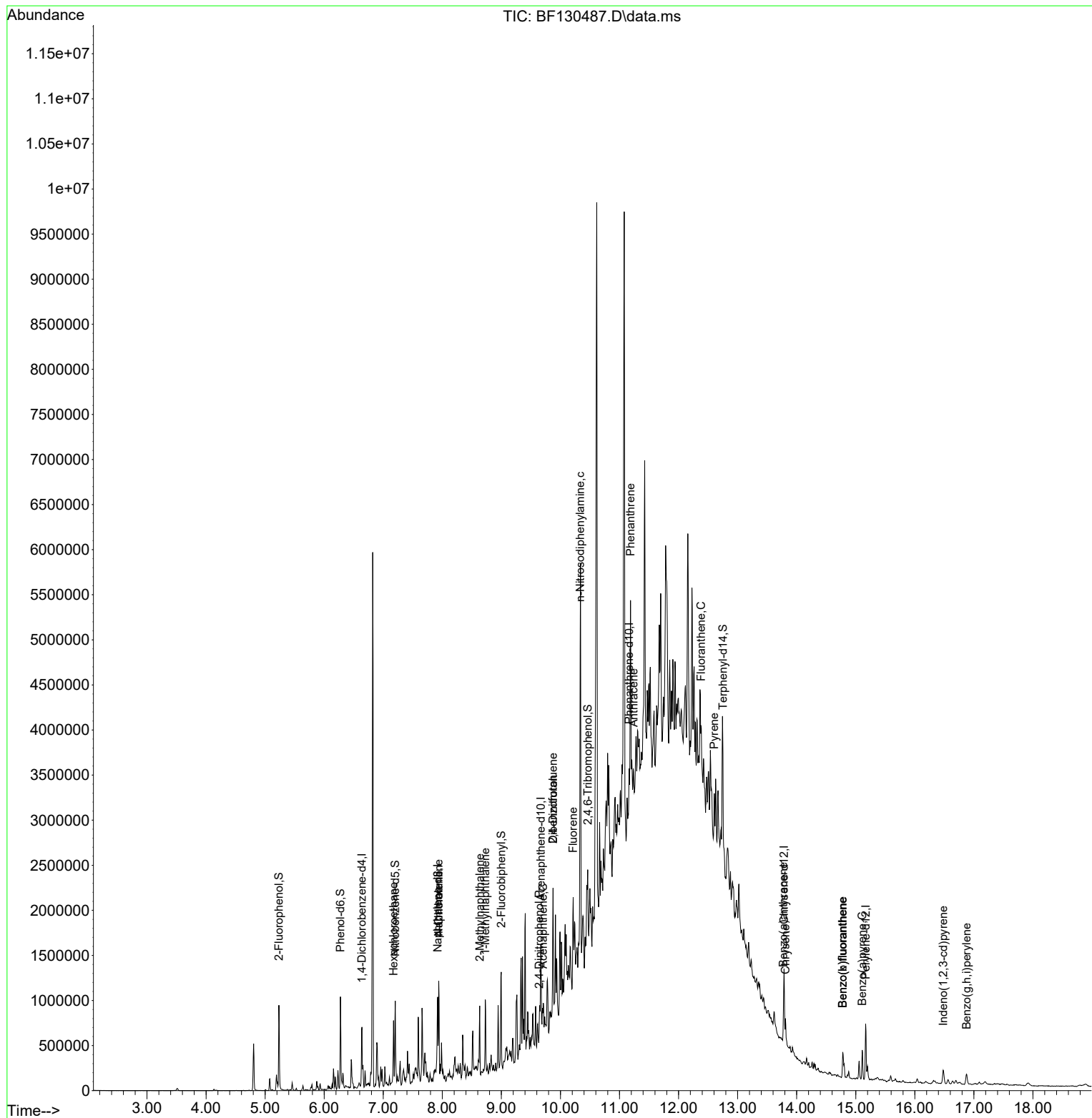
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.640	152	99488	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	354003	20.000	ng	# 0.00
39) Acenaphthene-d10	9.669	164	155613	20.000	ng	-0.01
64) Phenanthrene-d10	11.163	188	216032	20.000	ng	0.00
76) Chrysene-d12	13.786	240	215377	20.000	ng	0.00
86) Perylene-d12	15.168	264	257908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	268251	46.767	ng	-0.01
7) Phenol-d6	6.275	99	327299	45.604	ng	-0.02
23) Nitrobenzene-d5	7.204	82	193653	27.947	ng	-0.01
42) 2,4,6-Tribromophenol	10.463	330	64529	43.277	ng	0.00
45) 2-Fluorobiphenyl	8.998	172	336096	31.451	ng	-0.01
79) Terphenyl-d14	12.751	244	299083	23.003	ng	0.00
Target Compounds						
18) Hexachloroethane	7.175	117	33139	11.467	ng	# 1
31) Naphthalene	7.939	128	412592	22.623	ng	99
33) 4-Chloroaniline	7.939	127	52732	7.602	ng	# 33
37) 2-Methylnaphthalene	8.633	142	189565	16.302	ng	100
38) 1-Methylnaphthalene	8.728	142	205067	18.358	ng	98
52) Acenaphthene	9.704	154	28837	3.114	ng	91
54) 2,4-Dinitrophenol	9.639	184	444	6.590	ng	# 17
55) Dibenzofuran	9.875	168	26788	2.079	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	14379	5.005	ng	# 56
58) Fluorene	10.216	166	102754	9.753	ng	# 92
66) n-Nitrosodiphenylamine	10.333	169	121033	16.766	ng	# 47
71) Phenanthrene	11.186	178	581442	47.938	ng	# 95
72) Anthracene	11.239	178	62514	5.341	ng	# 79
75) Fluoranthene	12.380	202	156984	13.394	ng	91
78) Pyrene	12.604	202	228366	12.121	ng	96
81) Benzo(a)anthracene	13.774	228	108557	7.577	ng	# 89
83) Chrysene	13.810	228	110089	8.092	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.480	276	95506	5.222	ng	# 94
88) Benzo(b)fluoranthene	14.780	252	201437	11.966	ng	99
89) Benzo(k)fluoranthene	14.780	252	201437	12.165	ng	99
90) Benzo(a)pyrene	15.110	252	135141	10.133	ng	97
92) Benzo(g,h,i)perylene	16.874	276	89614	5.929	ng	98

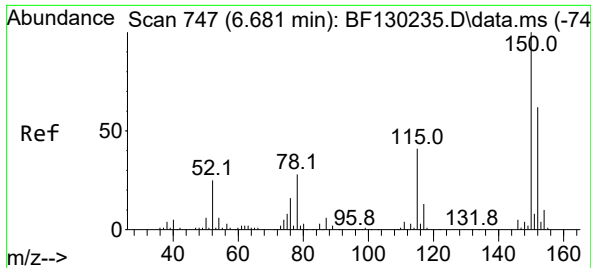
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 01:36:02 2022
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QLast Update : Wed Sep 28 02:59:31 2022
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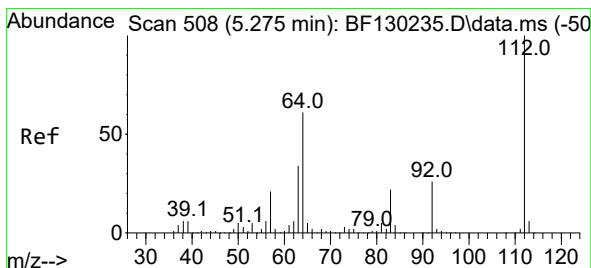
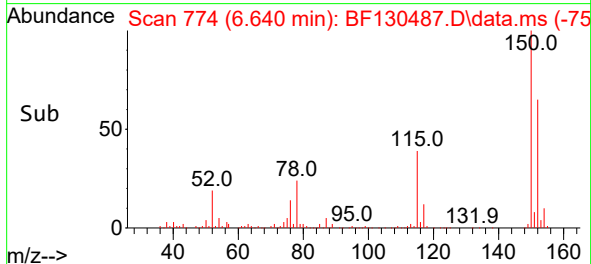
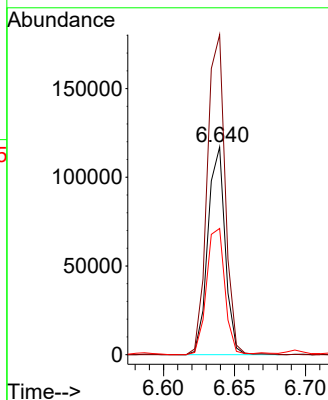
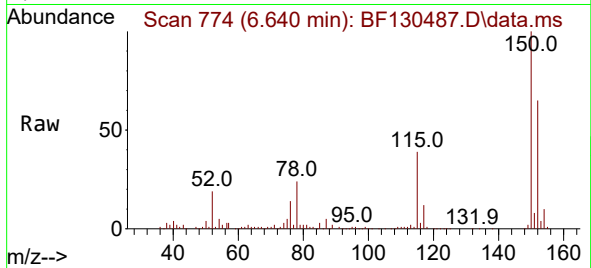




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

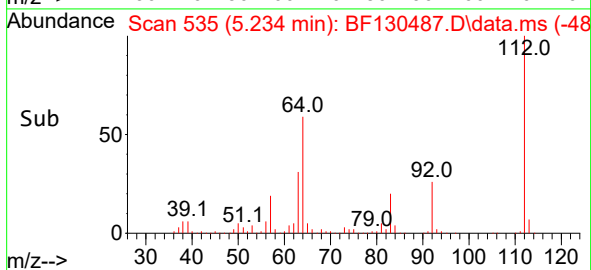
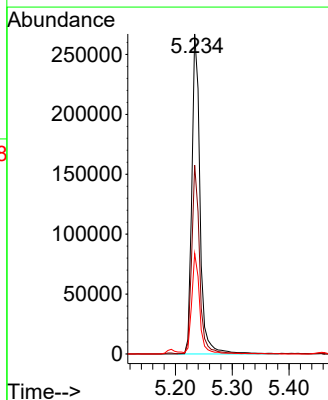
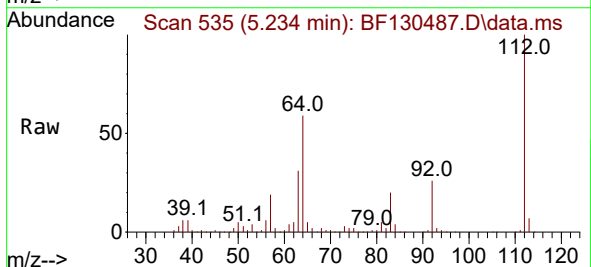
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

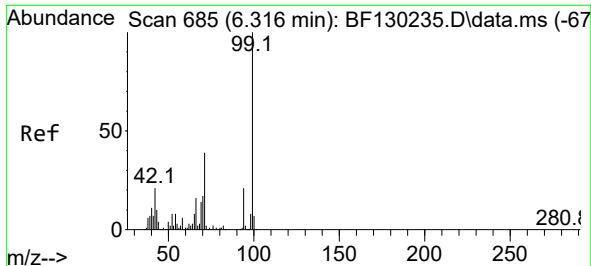
Tgt Ion:152 Resp: 99488
Ion Ratio Lower Upper
152 100
150 154.0 122.8 184.2
115 60.7 53.8 80.8



#5
2-Fluorophenol
Concen: 46.767 ng
RT: 5.234 min Scan# 535
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:112 Resp: 268251
Ion Ratio Lower Upper
112 100
64 59.0 51.4 77.0
63 31.4 28.8 43.2

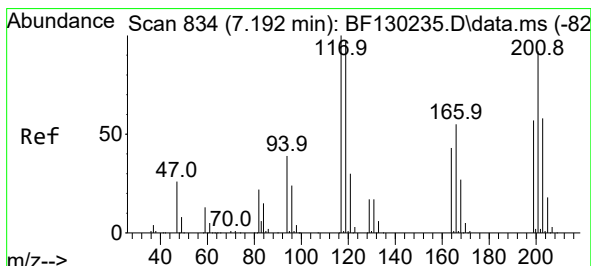
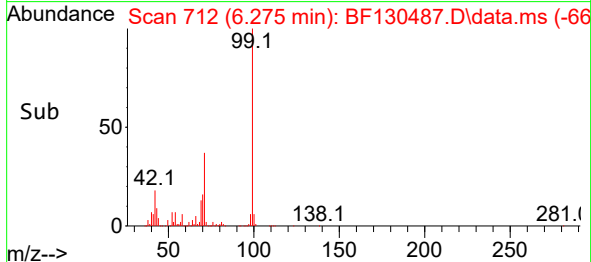
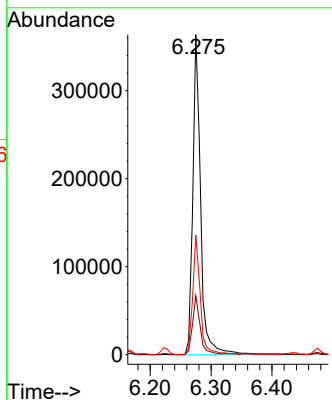
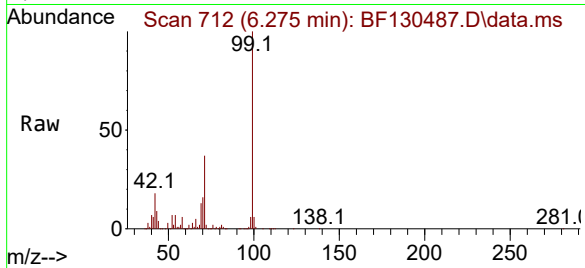




#7
Phenol-d6
Concen: 45.604 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

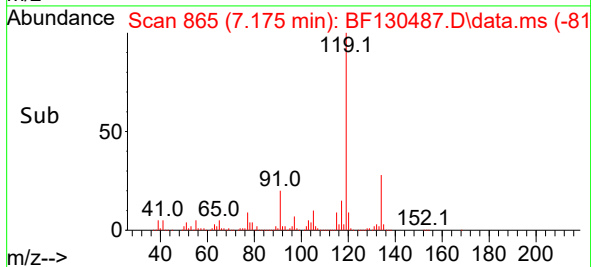
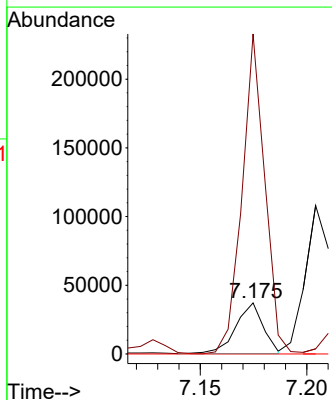
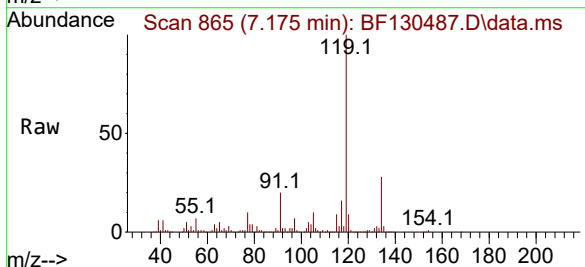
Instrument :
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ClientSampleId :
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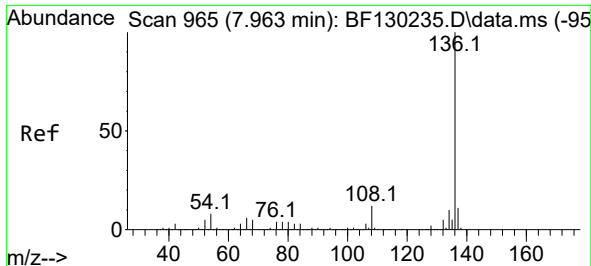
Tgt Ion: 99 Resp: 327299
Ion Ratio Lower Upper
99 100
42 18.4 17.0 25.6
71 37.4 32.3 48.5



#18
Hexachloroethane
Concen: 11.467 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.018 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion: 117 Resp: 33139
Ion Ratio Lower Upper
117 100
119 626.1 77.8 116.6#
201 0.0 68.7 103.1#

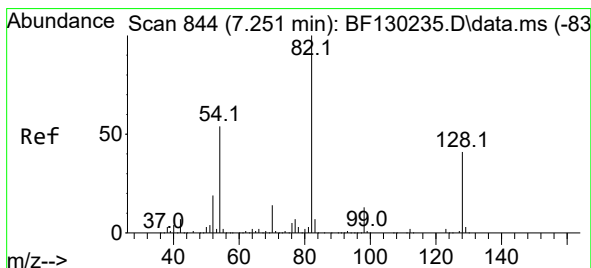
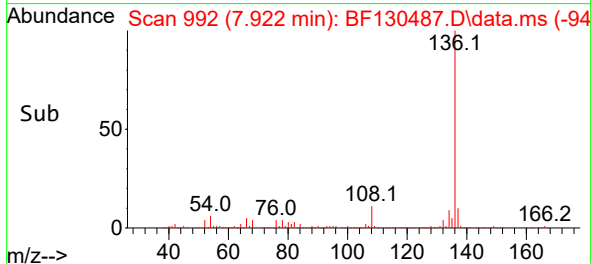
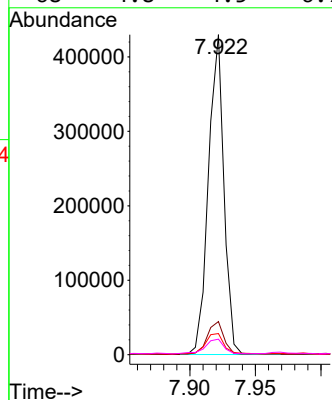
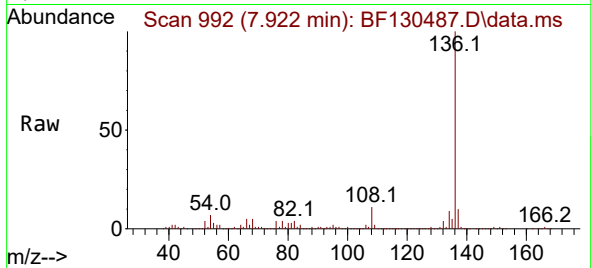




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

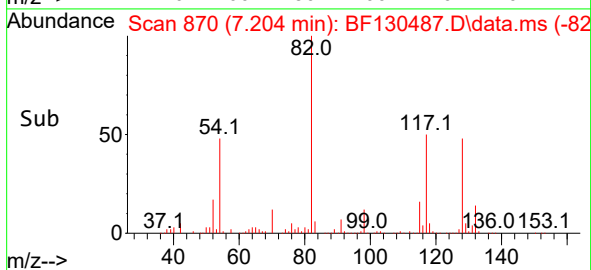
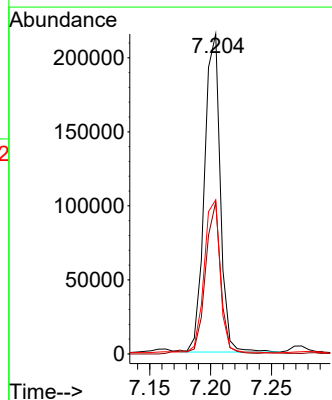
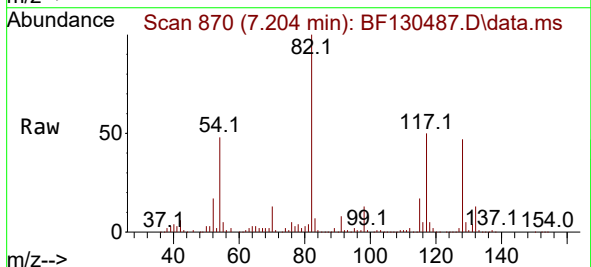
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

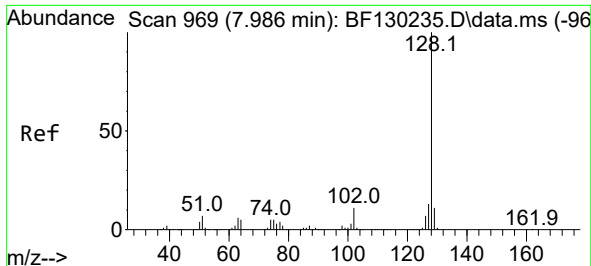
Tgt Ion:136 Resp: 354003
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.6 7.1 10.7#
68 4.8 4.5 6.7



#23
Nitrobenzene-d5
Concen: 27.947 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion: 82 Resp: 193653
Ion Ratio Lower Upper
82 100
128 47.4 32.6 49.0
54 48.2 43.8 65.6

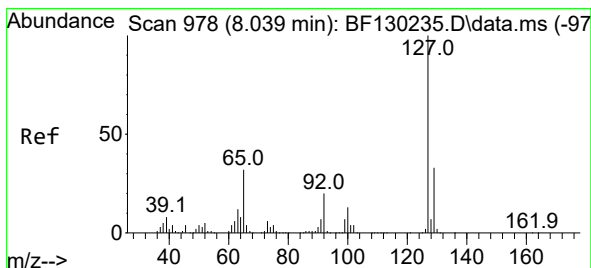
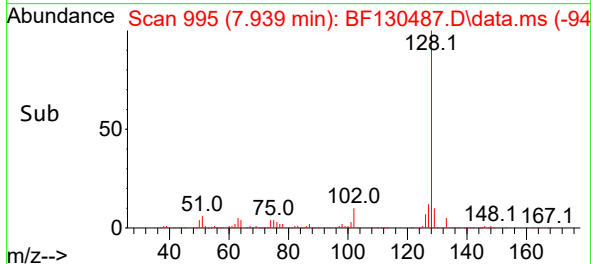
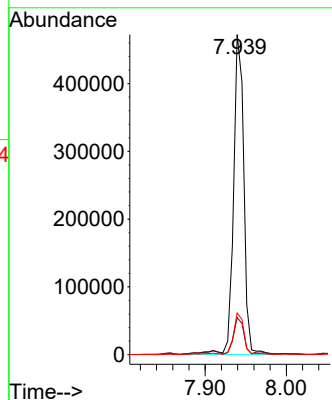
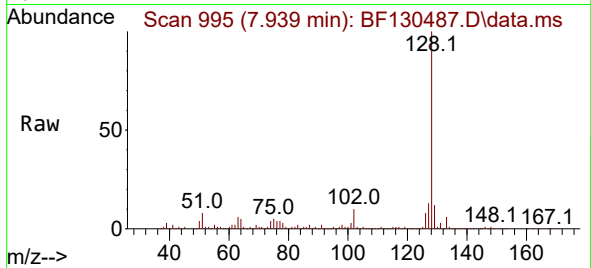




#31
Naphthalene
Concen: 22.623 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

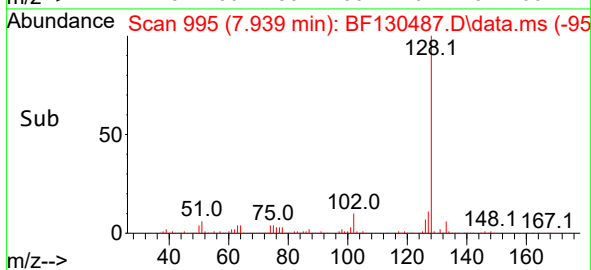
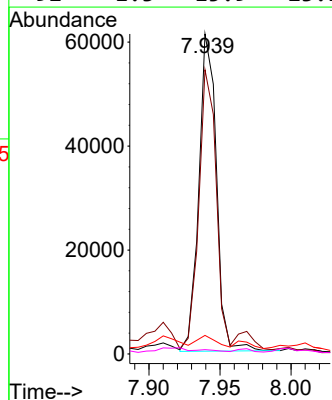
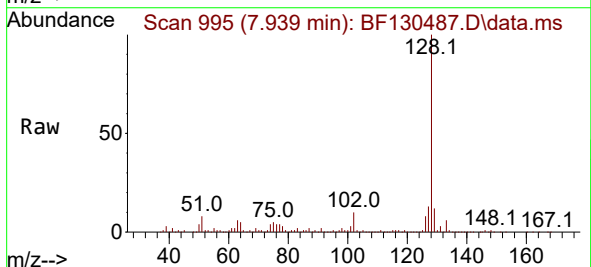
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ClientSampleId :
VNJ-203DL

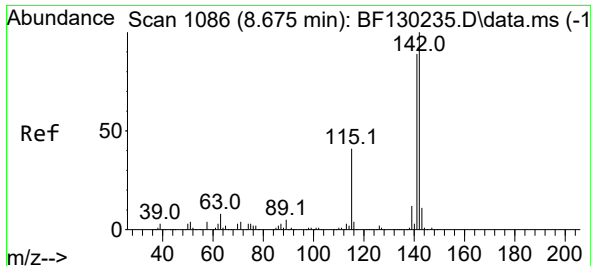
Tgt Ion:128 Resp: 412592
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.0 10.6 16.0



#33
4-Chloroaniline
Concen: 7.602 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.065 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:127 Resp: 52732
Ion Ratio Lower Upper
127 100
129 88.8 25.6 38.4#
65 5.8 27.0 40.6#
92 1.3 15.9 23.9#

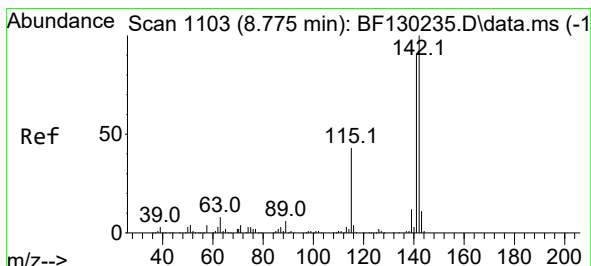
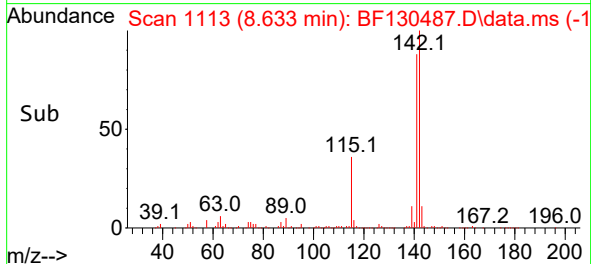
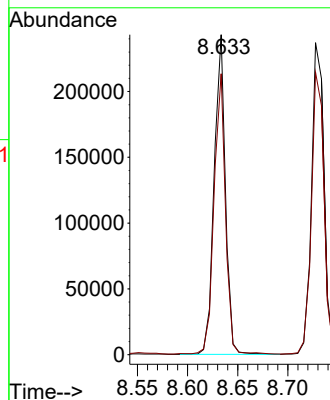
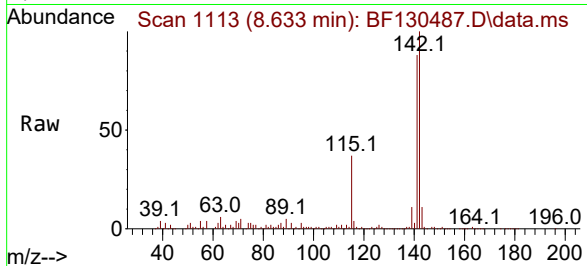




#37
2-Methylnaphthalene
Concen: 16.302 ng
RT: 8.633 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

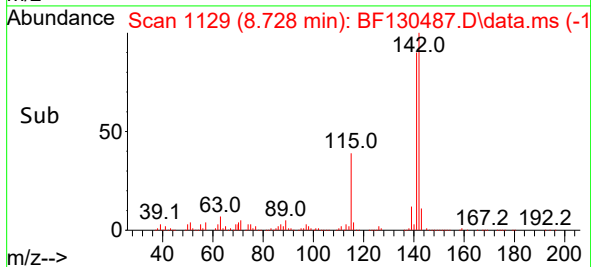
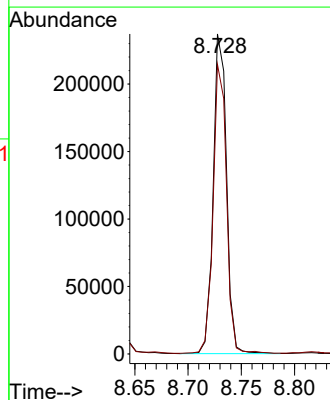
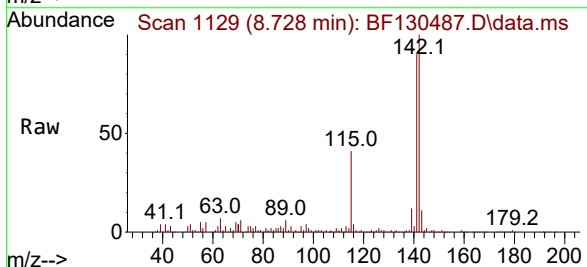
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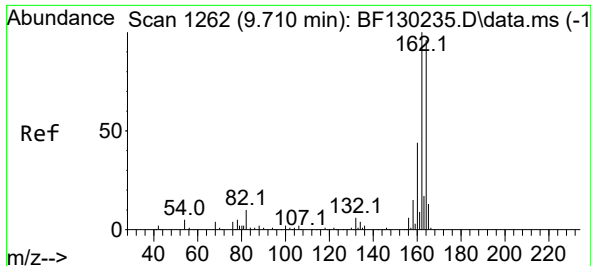
Tgt Ion:142 Resp: 189565
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0



#38
1-Methylnaphthalene
Concen: 18.358 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:142 Resp: 205067
Ion Ratio Lower Upper
142 100
141 90.4 73.8 110.8

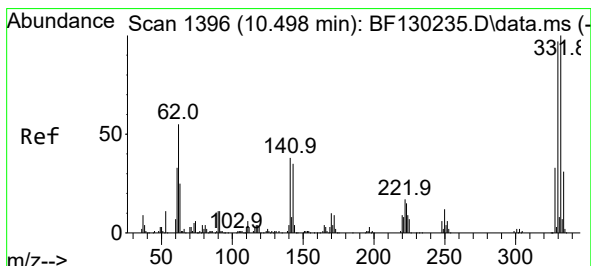
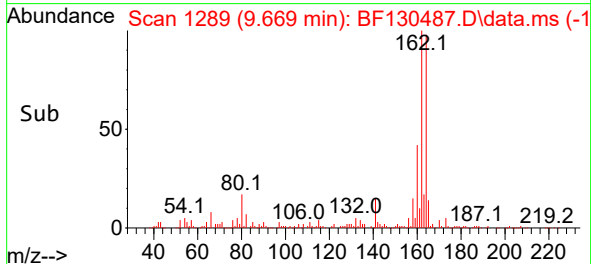
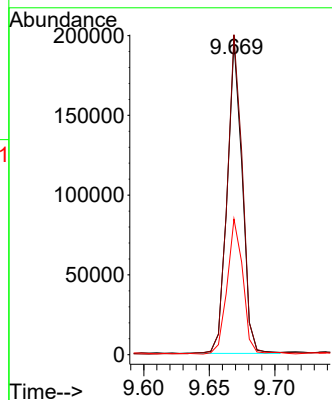
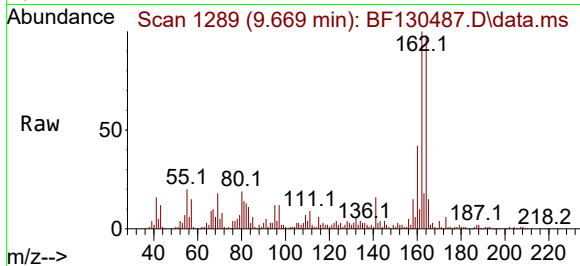




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

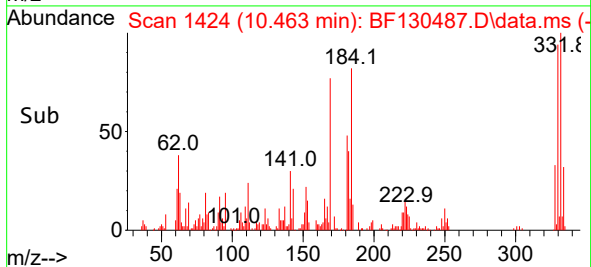
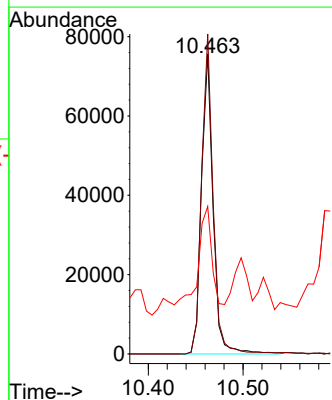
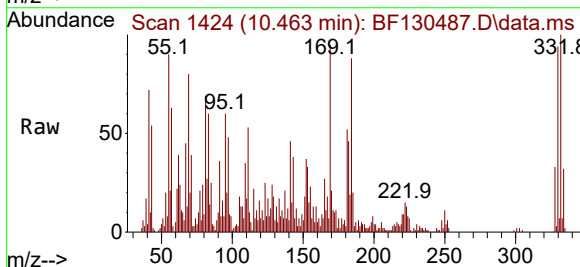
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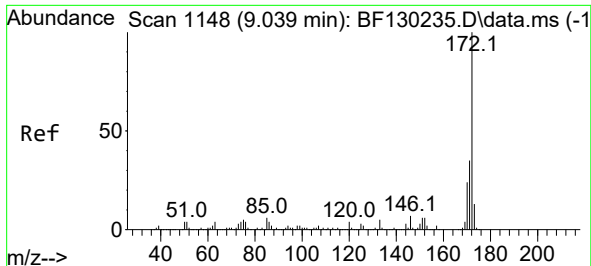
Tgt Ion:164 Resp: 155613
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 43.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 43.277 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:330 Resp: 64529
Ion Ratio Lower Upper
330 100
332 106.0 83.4 125.2
141 54.2 34.0 51.0#

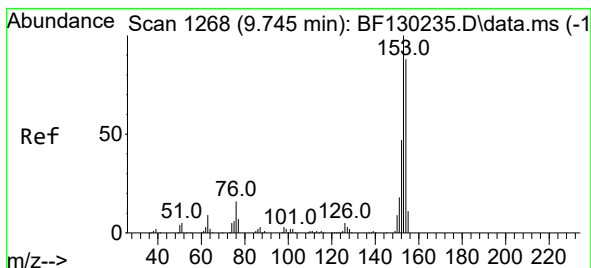
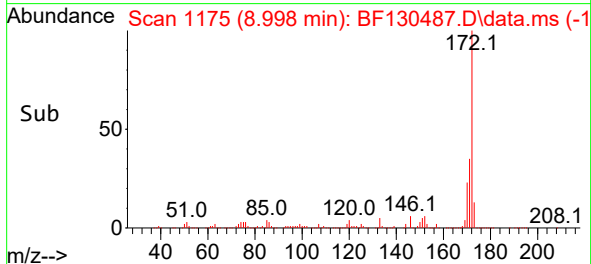
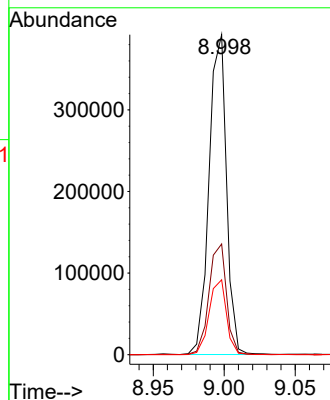
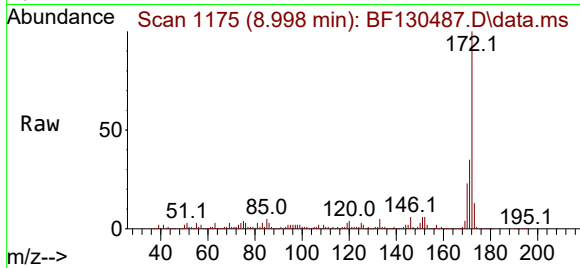




#45
2-Fluorobiphenyl
Concen: 31.451 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

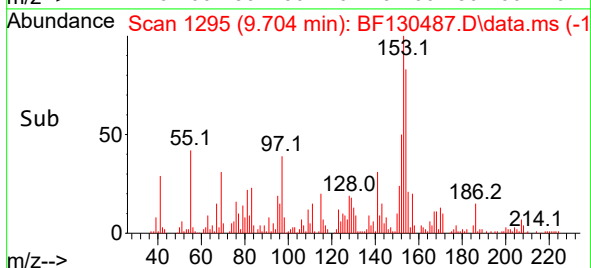
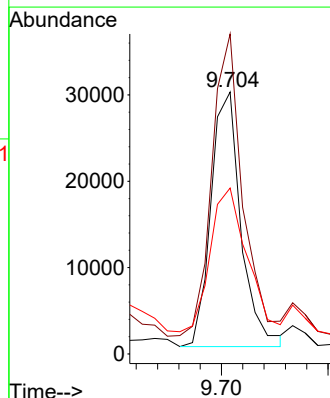
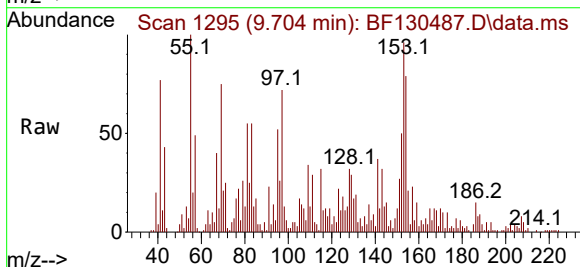
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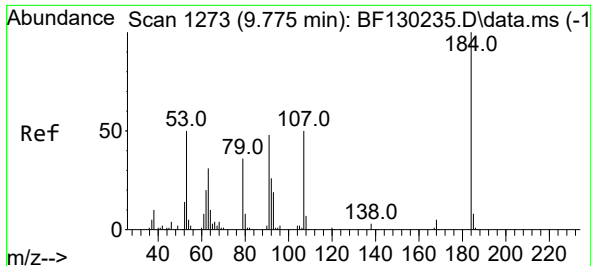
Tgt Ion:172 Resp: 336096
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 23.4 18.7 28.1



#52
Acenaphthene
Concen: 3.114 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:154 Resp: 28837
Ion Ratio Lower Upper
154 100
153 122.2 90.6 136.0
152 63.3 43.8 65.6

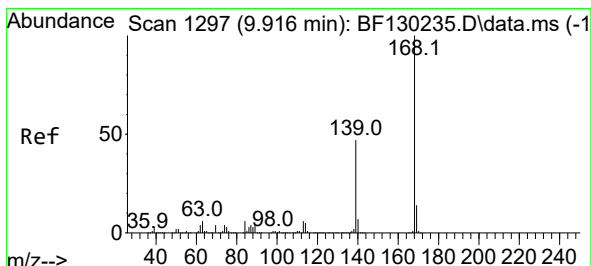
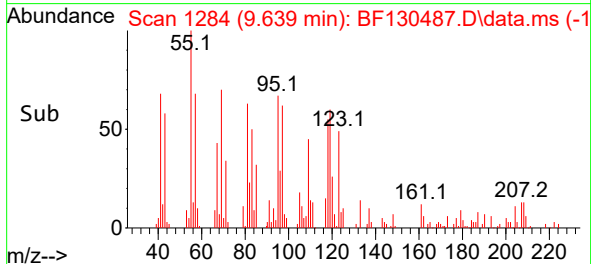
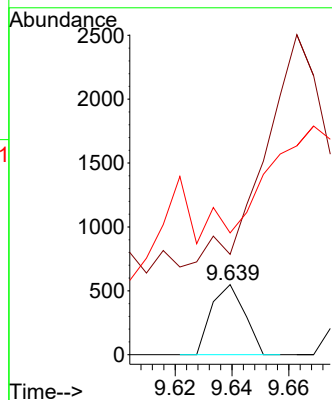
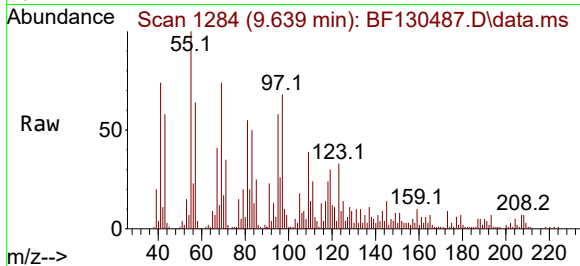




#54
2,4-Dinitrophenol
Concen: 6.590 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

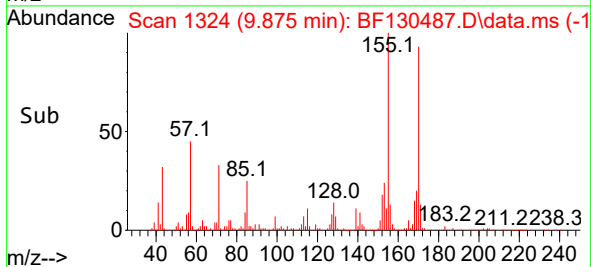
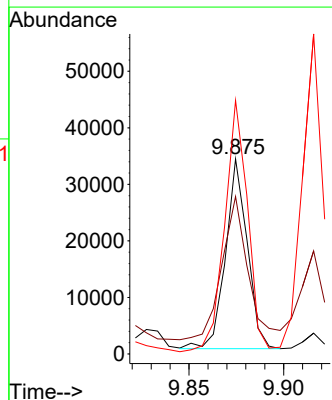
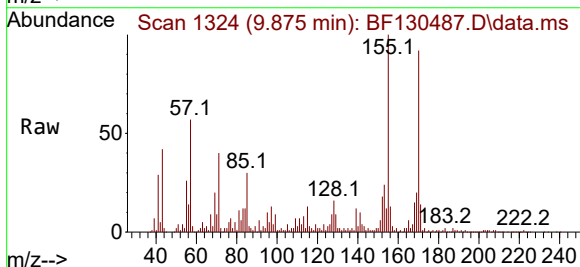
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

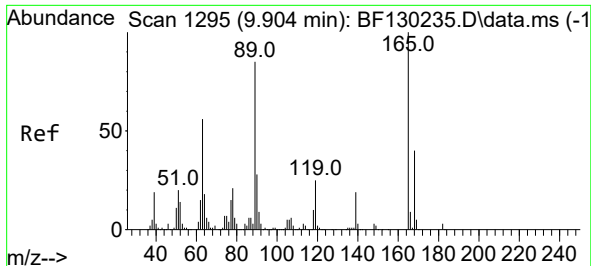
Tgt Ion:184 Resp: 444
Ion Ratio Lower Upper
184 100
63 143.2 70.0 105.0#
154 173.6 63.0 94.6#



#55
Dibenzofuran
Concen: 2.079 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:168 Resp: 26788
Ion Ratio Lower Upper
168 100
139 80.8 35.0 52.4#
169 130.0 10.9 16.3#

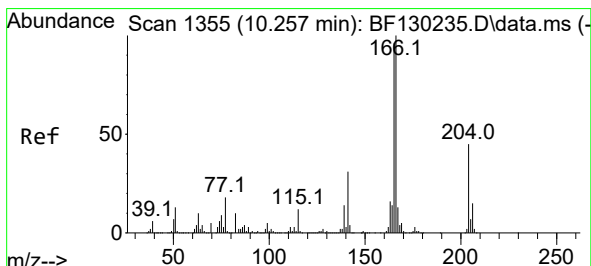
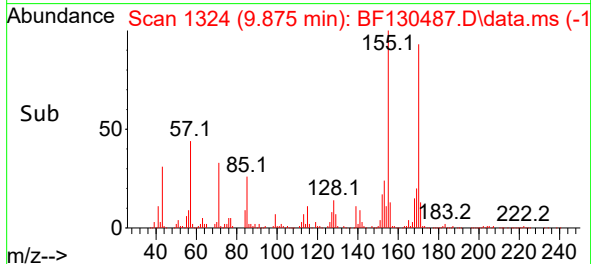
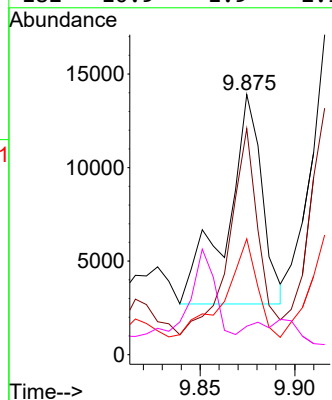
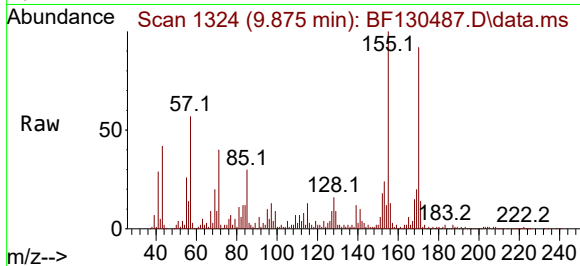




#57
2,4-Dinitrotoluene
Concen: 5.005 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

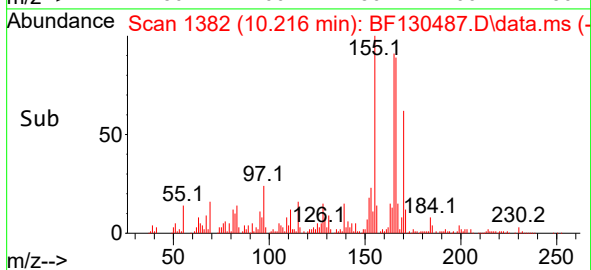
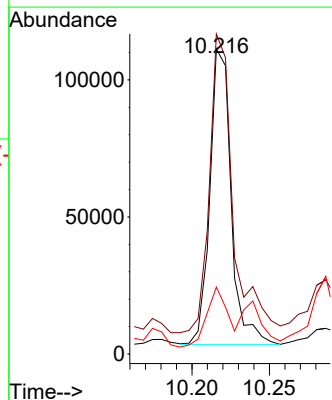
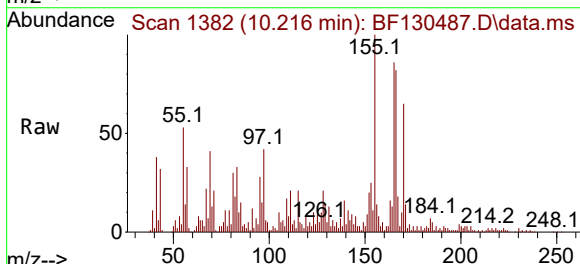
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

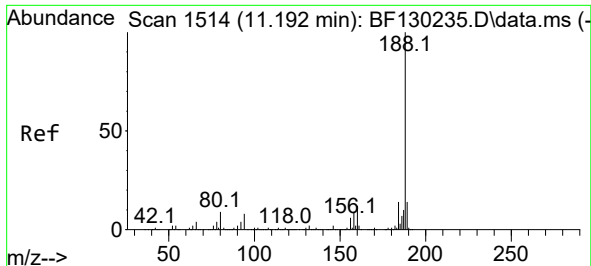
Tgt Ion:165 Resp: 14379
Ion Ratio Lower Upper
165 100
63 86.9 44.7 67.1#
89 44.5 69.0 103.4#
182 10.9 1.9 2.9#



#58
Fluorene
Concen: 9.753 ng
RT: 10.216 min Scan# 1382
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:166 Resp: 102754
Ion Ratio Lower Upper
166 100
165 104.8 78.8 118.2
167 21.9 10.6 15.8#

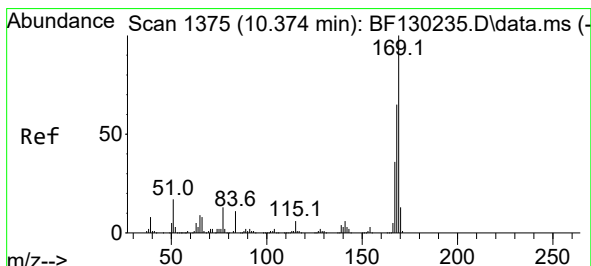
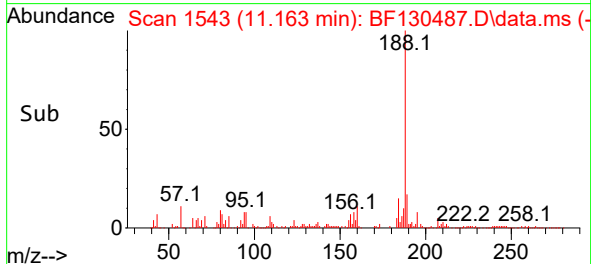
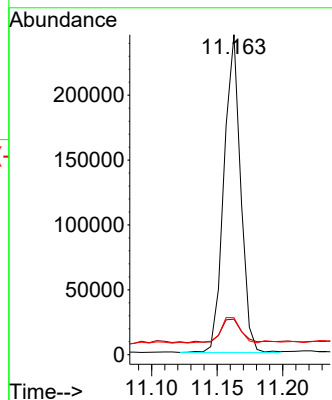
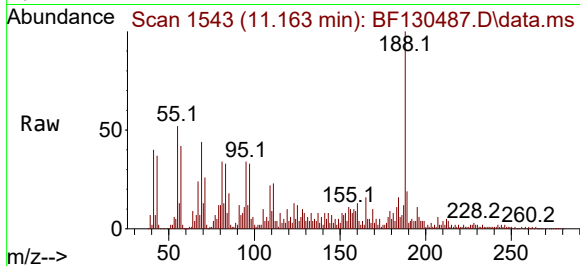




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.163 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

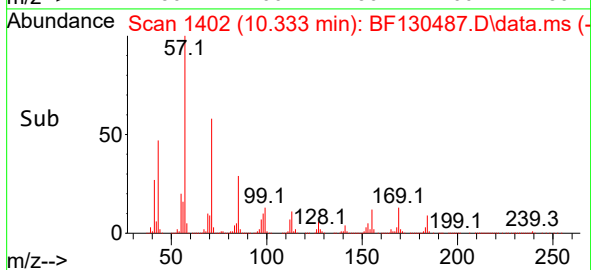
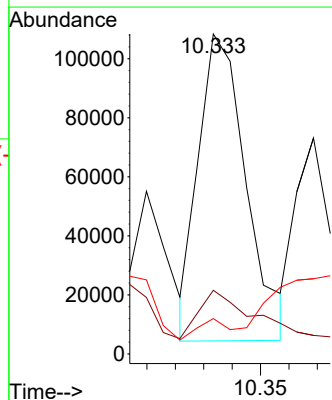
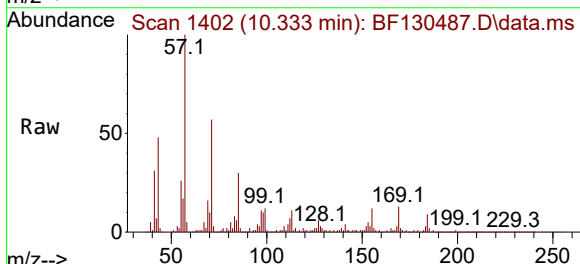
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

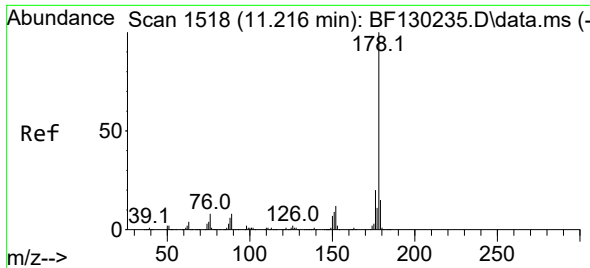
Tgt Ion:188 Resp: 216032
Ion Ratio Lower Upper
188 100
94 11.1 7.4 11.2
80 11.6 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 16.766 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:169 Resp: 121033
Ion Ratio Lower Upper
169 100
168 19.9 53.2 79.8#
167 11.0 29.2 43.8#

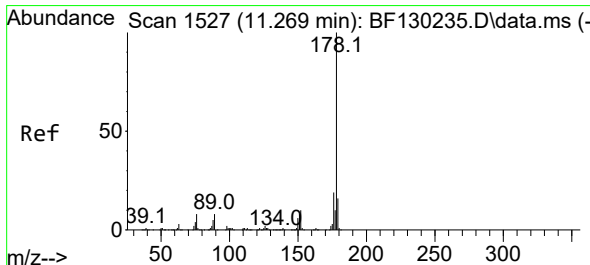
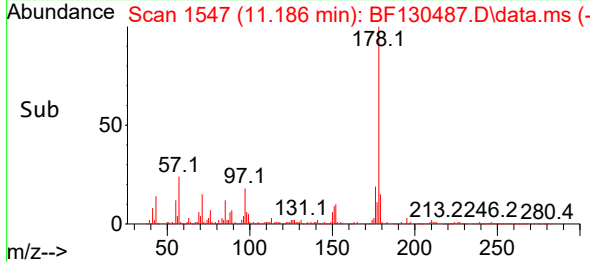
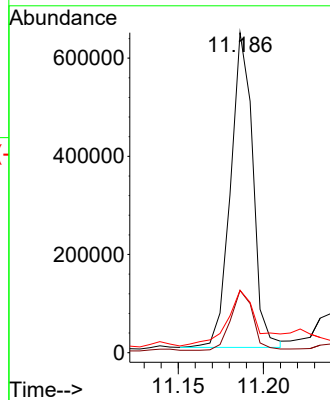
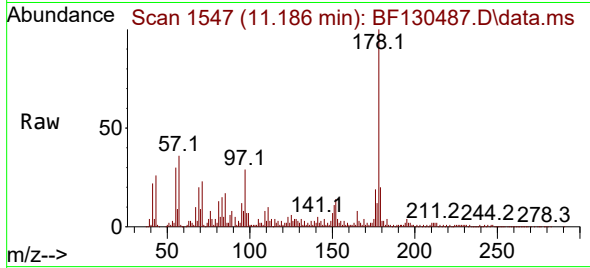




#71
Phenanthrene
Concen: 47.938 ng
RT: 11.186 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

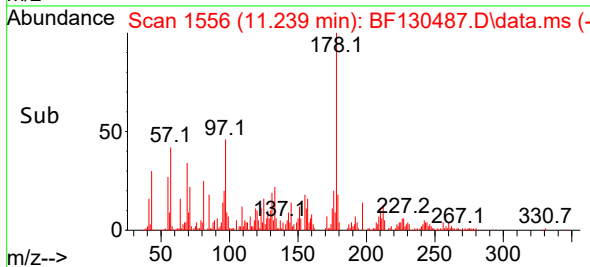
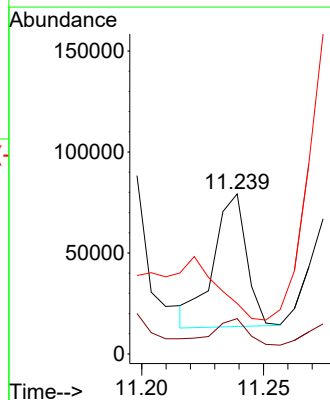
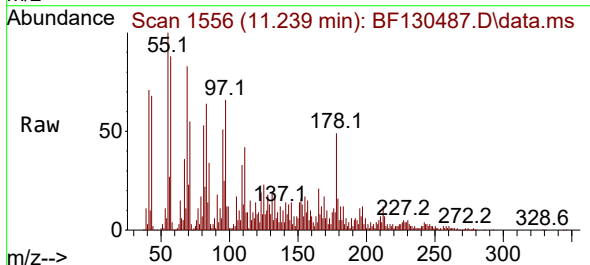
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

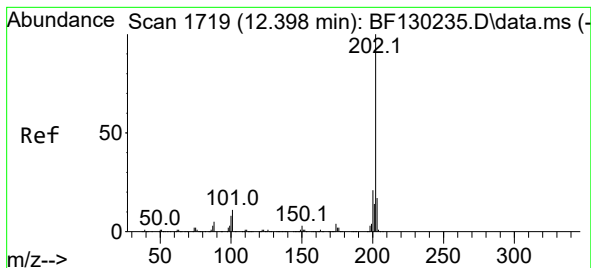
Tgt Ion:178 Resp: 581442
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 19.5 12.4 18.6#



#72
Anthracene
Concen: 5.341 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:178 Resp: 62514
Ion Ratio Lower Upper
178 100
176 22.1 15.0 22.6
179 31.6 12.7 19.1#





#75

Fluoranthene

Concen: 13.394 ng

RT: 12.380 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

VNJ-203DL

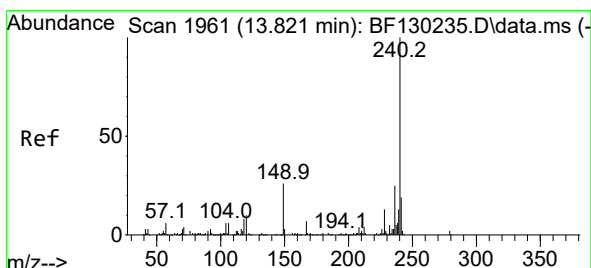
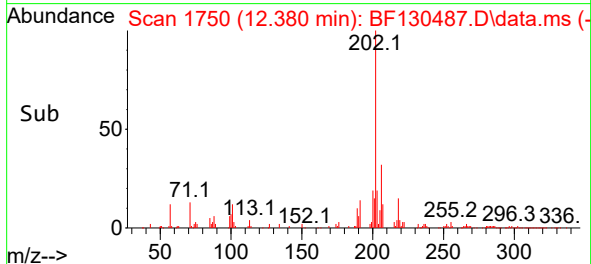
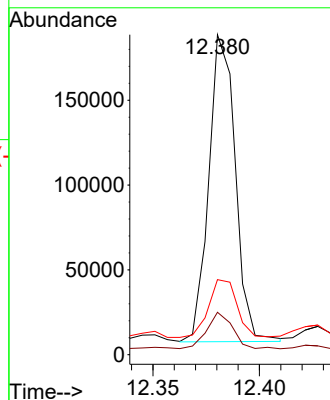
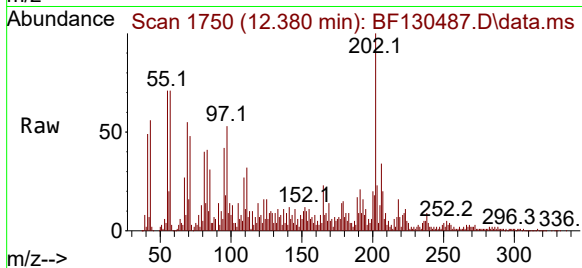
Tgt Ion:202 Resp: 156984

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.8

203 23.5 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.786 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

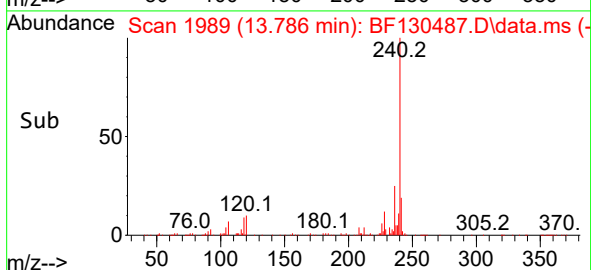
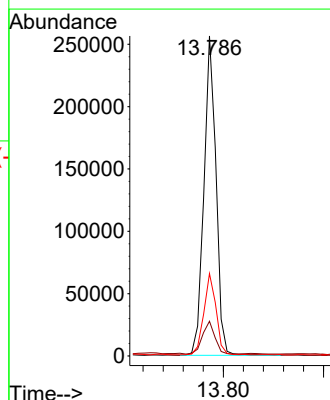
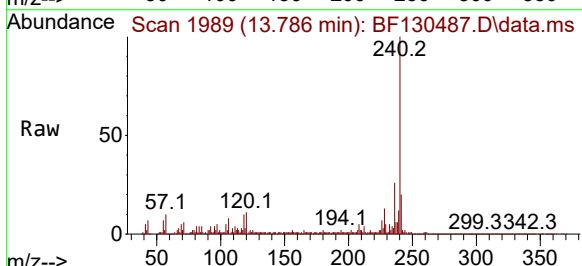
Tgt Ion:240 Resp: 215377

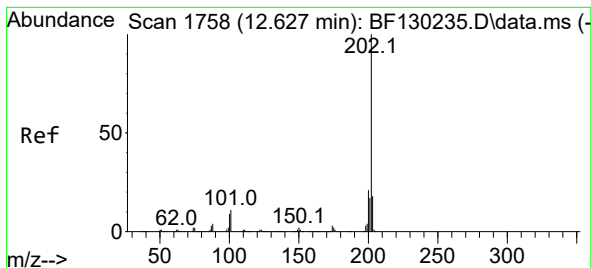
Ion Ratio Lower Upper

240 100

120 10.8 8.7 13.1

236 25.8 20.9 31.3





#78

Pyrene

Concen: 12.121 ng

RT: 12.604 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

VNJ-203DL

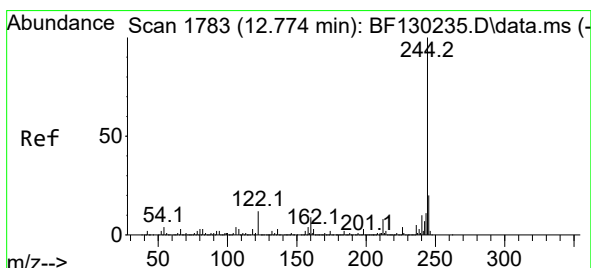
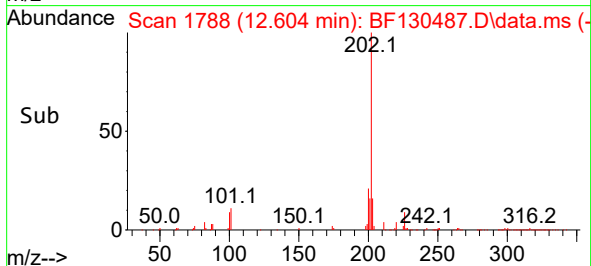
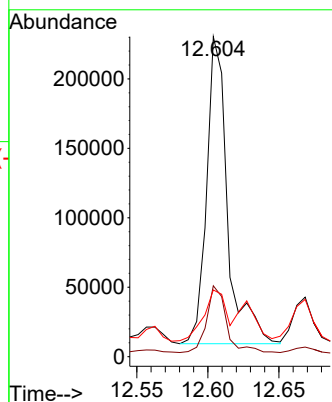
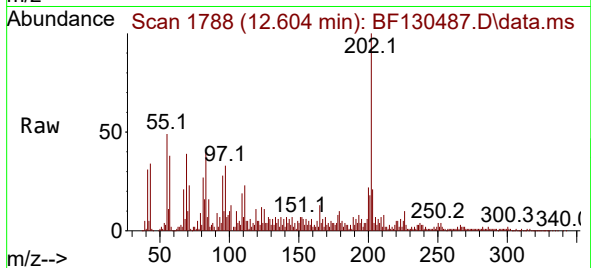
Tgt Ion:202 Resp: 228366

Ion Ratio Lower Upper

202 100

200 22.1 17.2 25.8

203 20.8 14.3 21.5



#79

Terphenyl-d14

Concen: 23.003 ng

RT: 12.751 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

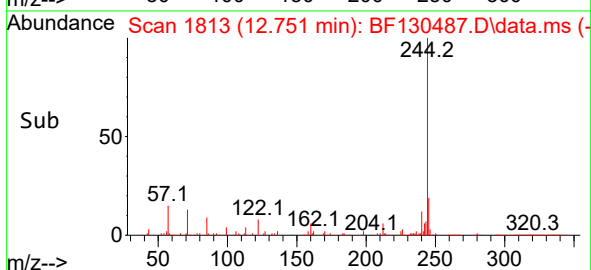
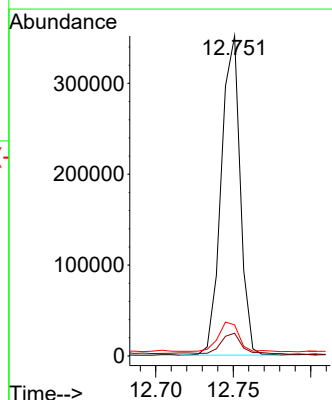
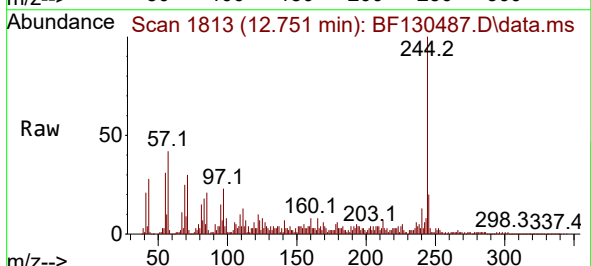
Tgt Ion:244 Resp: 299083

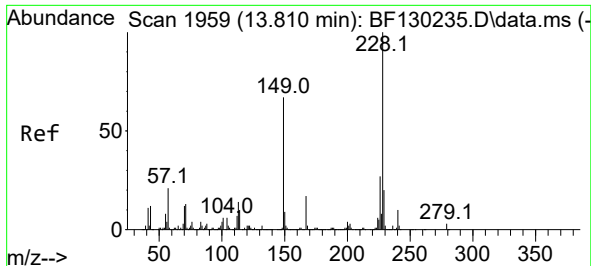
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 9.7 8.5 12.7

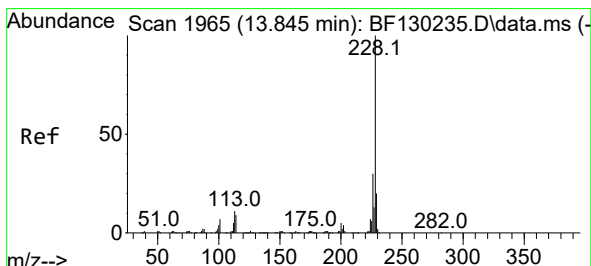
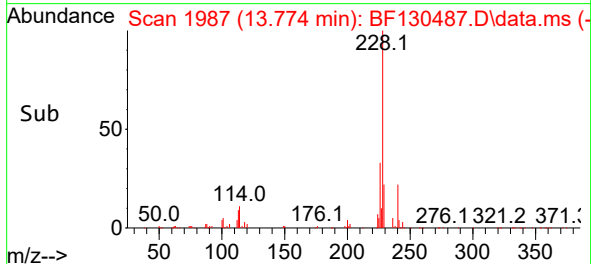
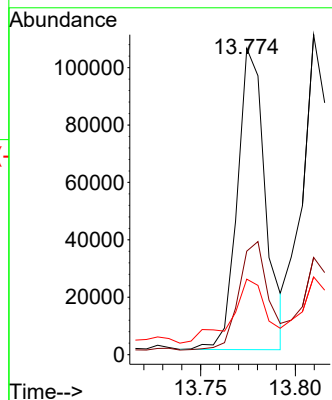
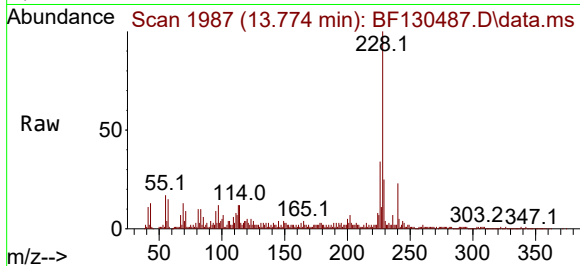




#81
Benzo(a)anthracene
Concen: 7.577 ng
RT: 13.774 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

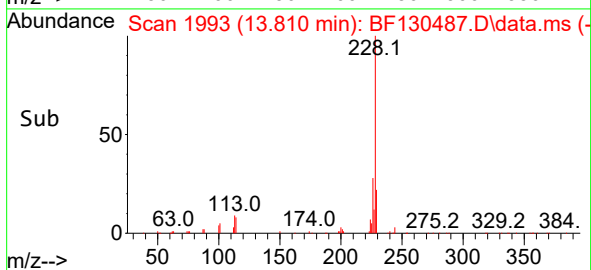
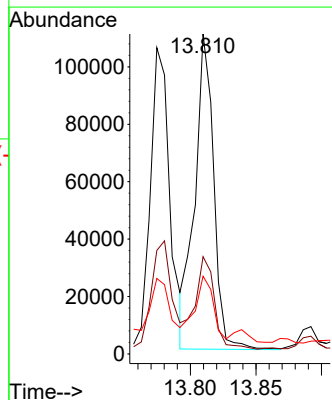
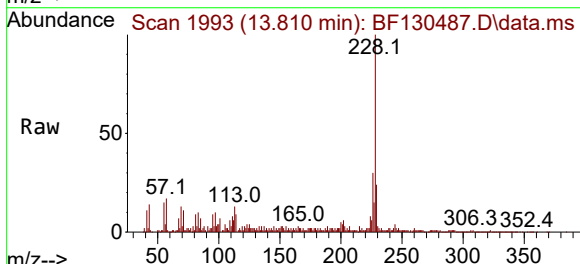
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

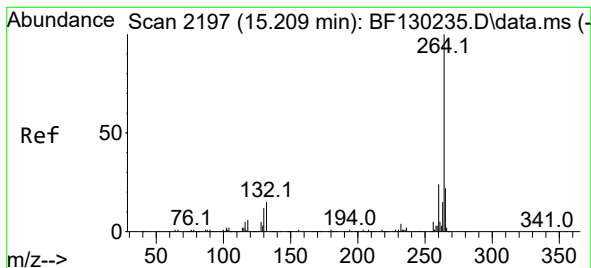
Tgt Ion:228 Resp: 108557
Ion Ratio Lower Upper
228 100
226 33.8 21.9 32.9#
229 24.6 16.1 24.1#



#83
Chrysene
Concen: 8.092 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:228 Resp: 110089
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 24.3 15.3 22.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.168 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

VNJ-203DL

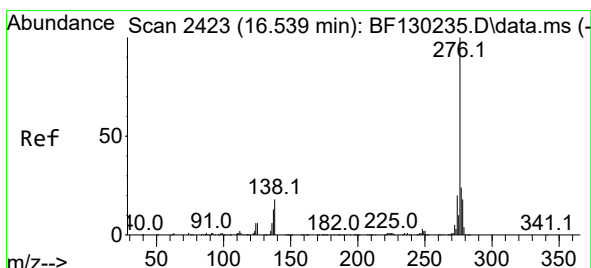
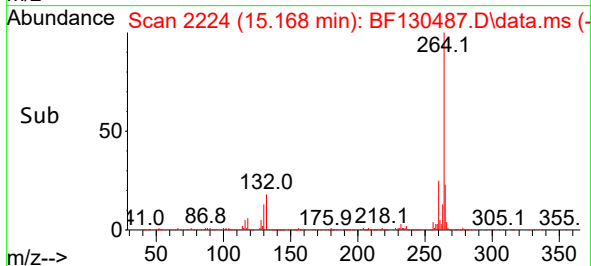
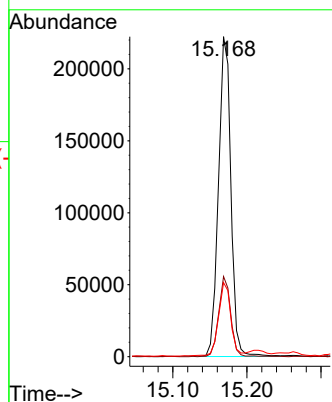
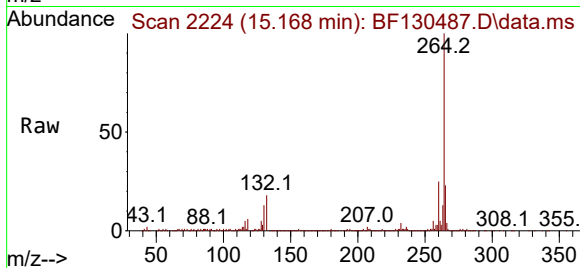
Tgt Ion:264 Resp: 257908

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

265 23.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.222 ng

RT: 16.480 min Scan# 2447

Delta R.T. -0.018 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

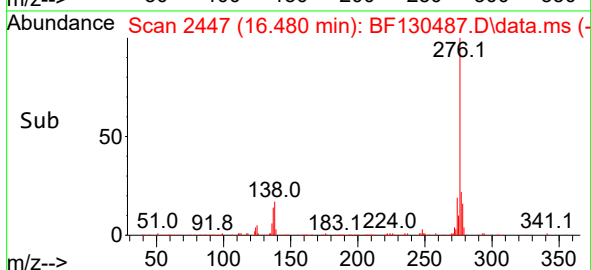
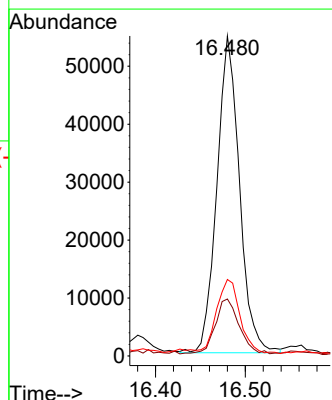
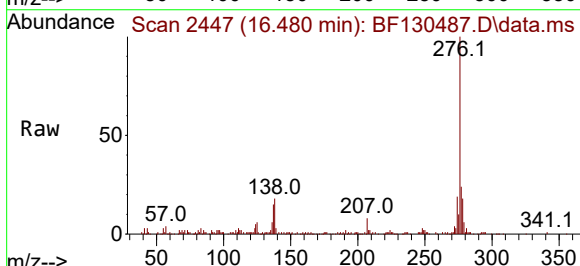
Tgt Ion:276 Resp: 95506

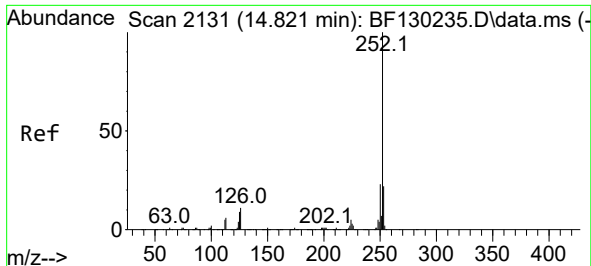
Ion Ratio Lower Upper

276 100

138 17.7 18.5 27.7#

277 25.0 20.2 30.4

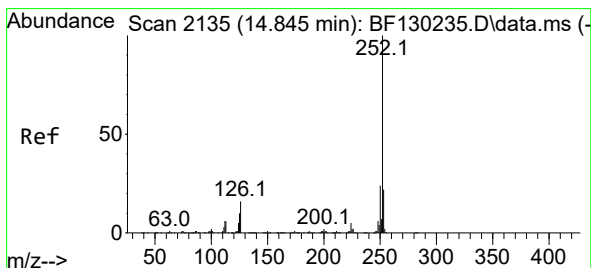
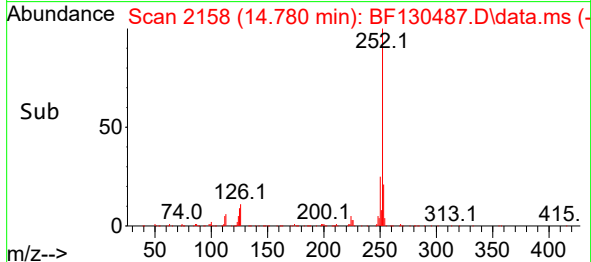
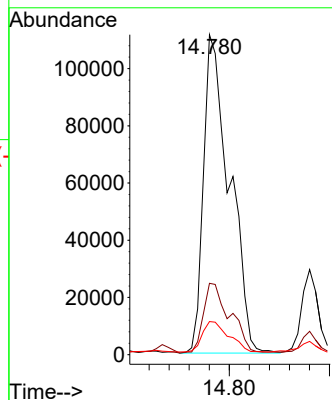
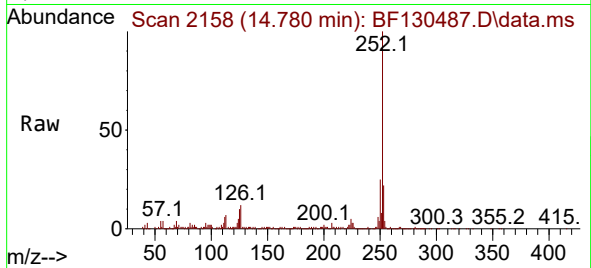




#88
Benzo(b)fluoranthene
Concen: 11.966 ng
RT: 14.780 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

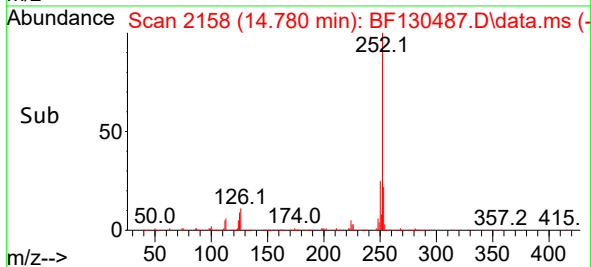
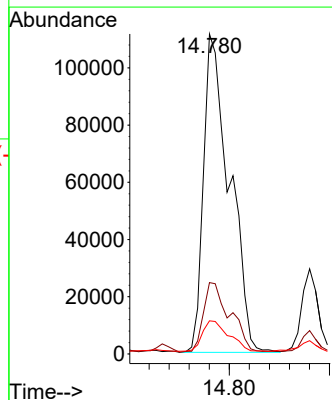
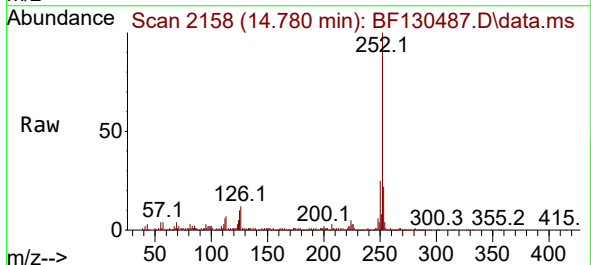
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

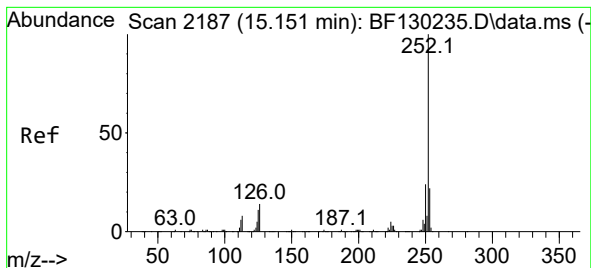
Tgt Ion:252 Resp: 201437
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 10.3 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 12.165 ng
RT: 14.780 min Scan# 2158
Delta R.T. -0.035 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:252 Resp: 201437
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.3 7.9 11.9





#90

Benzo(a)pyrene

Concen: 10.133 ng

RT: 15.110 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

VNJ-203DL

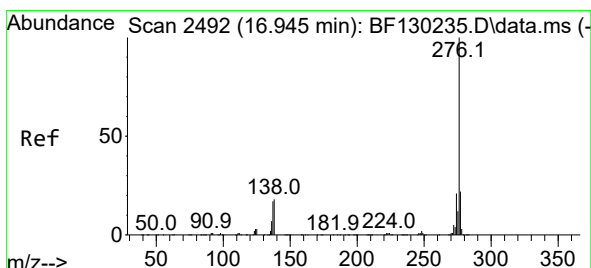
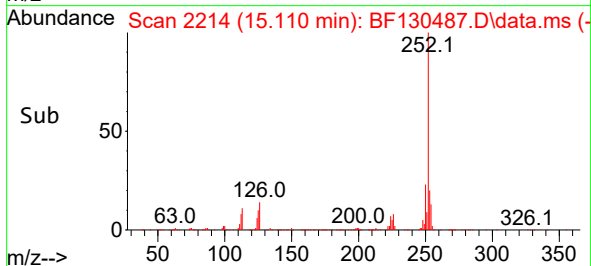
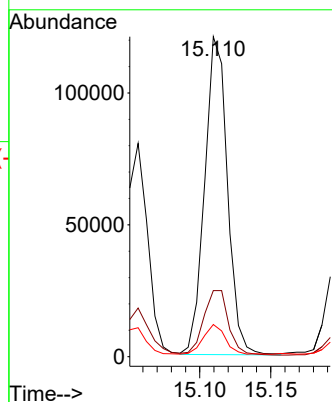
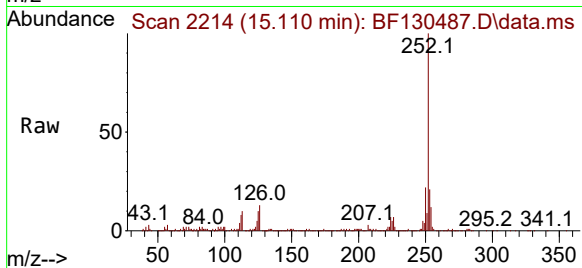
Tgt Ion:252 Resp: 135141

Ion Ratio Lower Upper

252 100

253 20.6 17.8 26.6

125 10.1 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 5.929 ng

RT: 16.874 min Scan# 2514

Delta R.T. -0.018 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Tgt Ion:276 Resp: 89614

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 19.8 14.6 21.8

