

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133319.D
 Acq On : 09 May 2023 16:07
 Operator : CG\JU
 Sample : 02681-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Quant Time: May 10 01:47:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

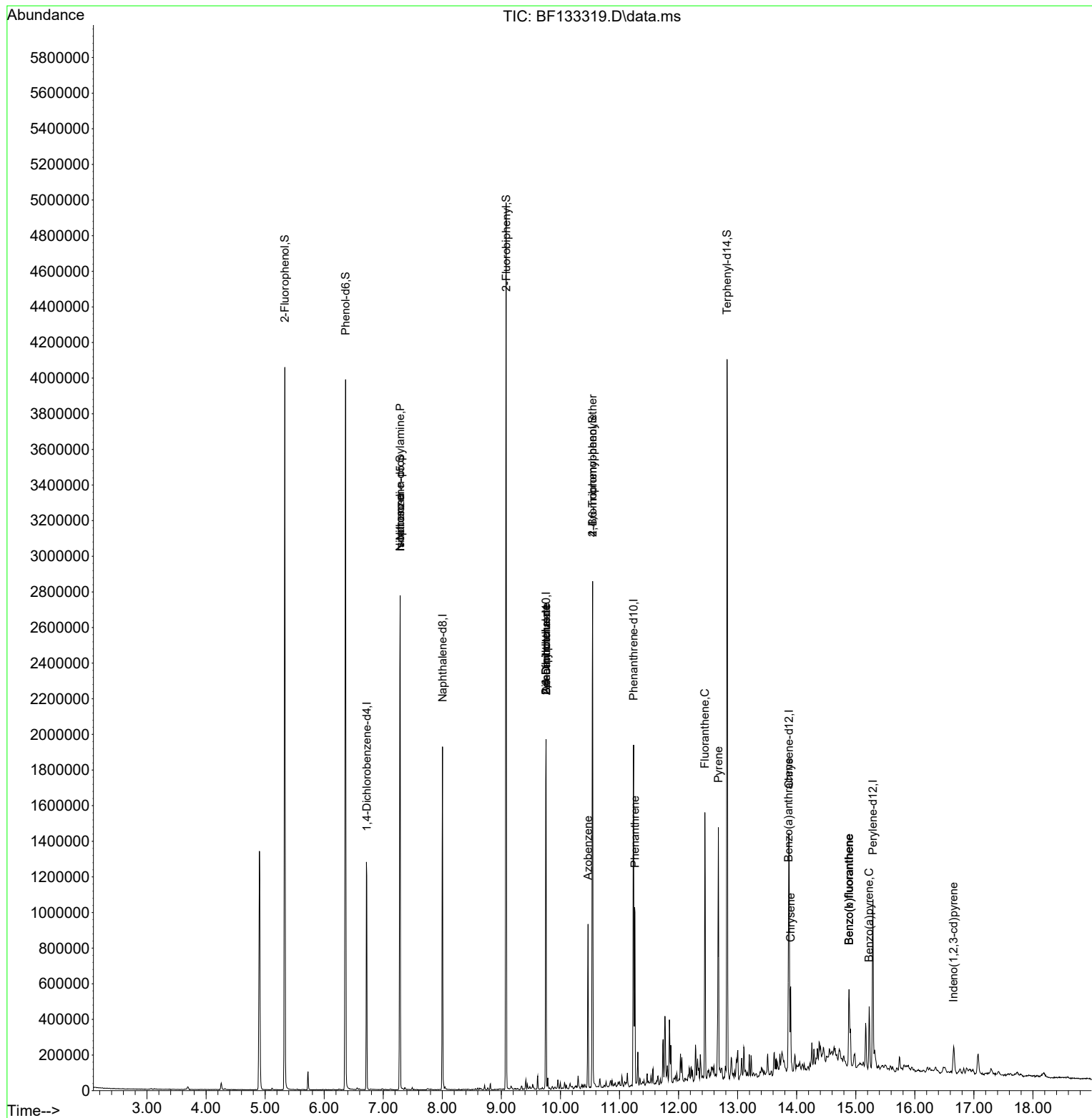
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	184343	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	735402	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	381231	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	678021	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	363899	20.000	ng	-0.01
86) Perylene-d12	15.292	264	401994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1118399	91.648	ng	0.00
7) Phenol-d6	6.363	99	1375022	90.780	ng	0.00
23) Nitrobenzene-d5	7.287	82	827432	60.732	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	328550	85.694	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1416831	62.176	ng	0.00
79) Terphenyl-d14	12.821	244	1408516	66.755	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	346	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.287	70	108935	11.552	ng	# 75
25) Isophorone	7.287	82	827423	31.986	ng	# 63
50) Dimethylphthalate	9.757	163	78445	2.951	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	50132	8.379	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	50132	6.570	ng	# 23
63) Azobenzene	10.469	77	140609	5.286	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	20943	2.848	ng	# 1
71) Phenanthrene	11.263	178	372242	10.215	ng	98
75) Fluoranthene	12.445	202	555888	15.199	ng	98
78) Pyrene	12.674	202	523379	16.778	ng	99
81) Benzo(a)anthracene	13.863	228	170776	6.824	ng	95
83) Chrysene	13.898	228	200277	8.005	ng	98
87) Indeno(1,2,3-cd)pyrene	16.657	276	88198	3.857	ng	# 93
88) Benzo(b)fluoranthene	14.886	252	293751	11.486	ng	97
89) Benzo(k)fluoranthene	14.886	252	293751	11.587	ng	98
90) Benzo(a)pyrene	15.227	252	153153	6.579	ng	97

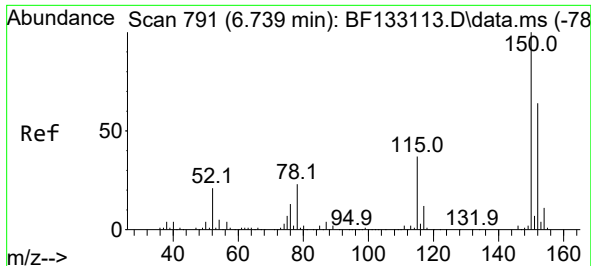
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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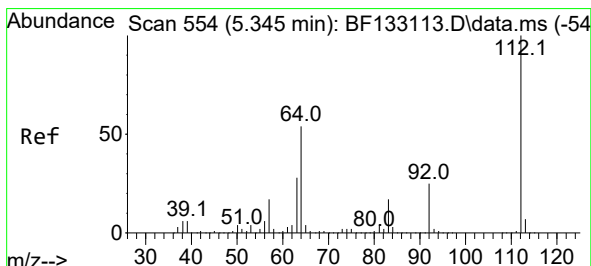
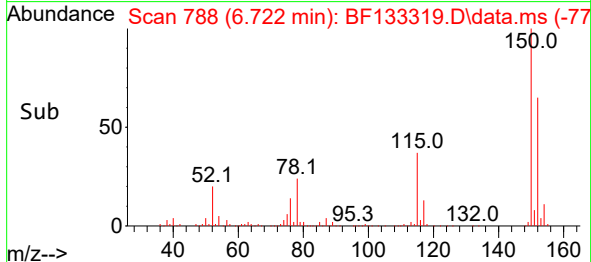
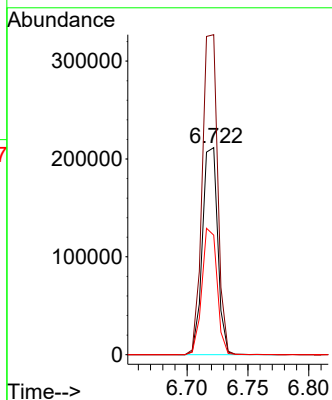
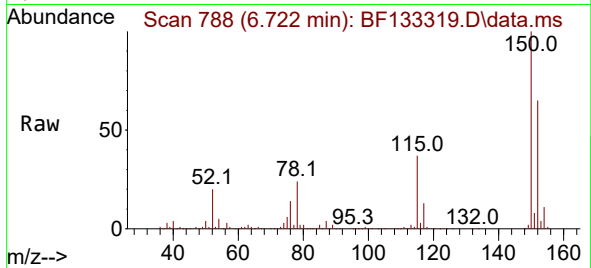




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

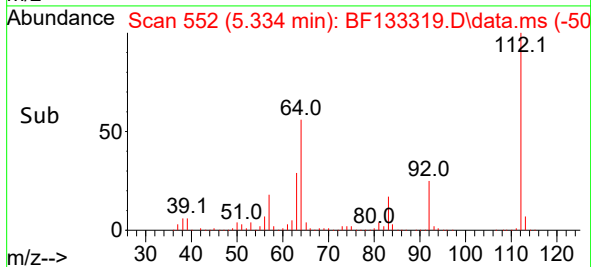
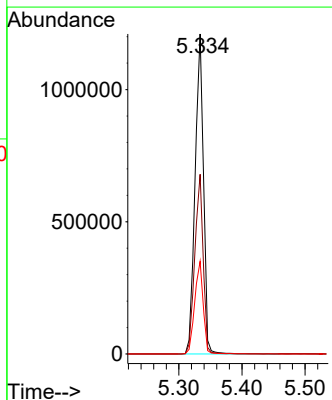
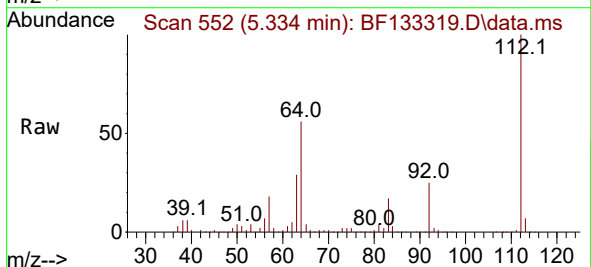
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion:152 Resp: 184343
Ion Ratio Lower Upper
152 100
150 154.6 124.8 187.2
115 57.7 49.9 74.9



#5
2-Fluorophenol
Concen: 91.648 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:112 Resp: 1118399
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 29.0 23.8 35.8



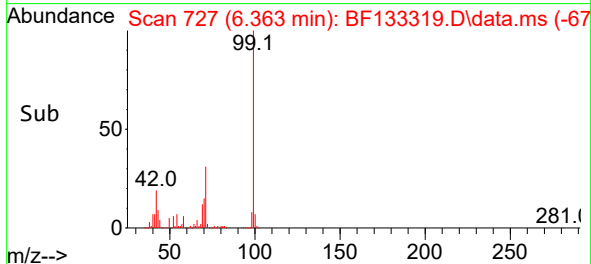
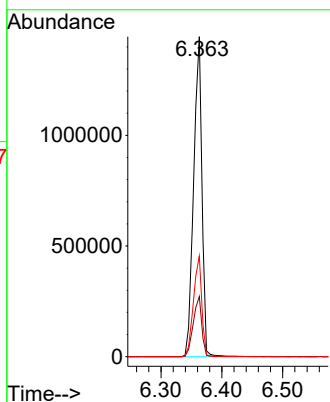
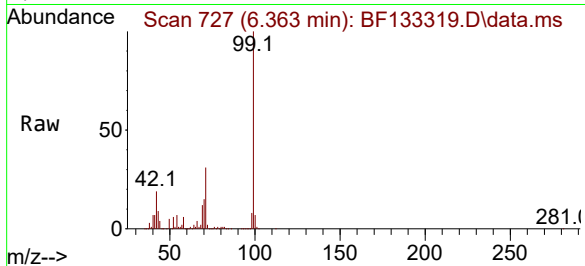


#7
Phenol-d6
Concen: 90.780 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion: 99 Resp: 1375022

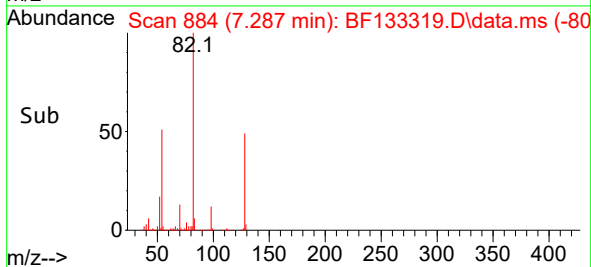
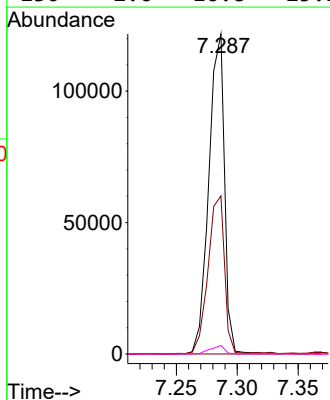
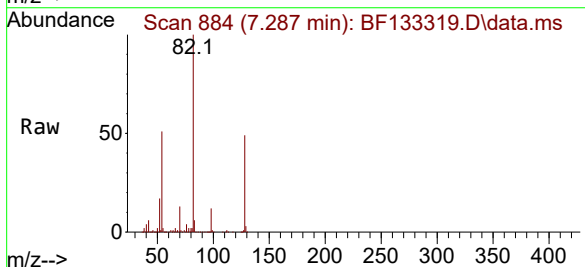
Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.3	24.5
71	31.4	25.6	38.4

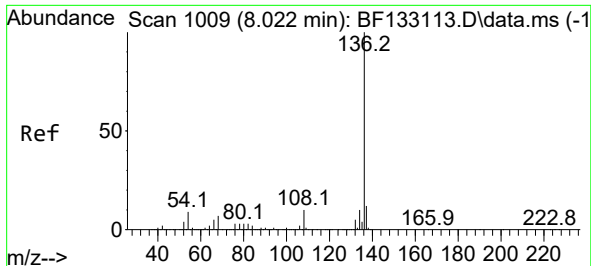


#19
n-Nitroso-di-n-propylamine
Concen: 11.552 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion: 70 Resp: 108935

Ion	Ratio	Lower	Upper
70	100		
42	49.4	51.8	77.6#
101	0.0	8.0	12.0#
130	2.6	16.8	25.2#

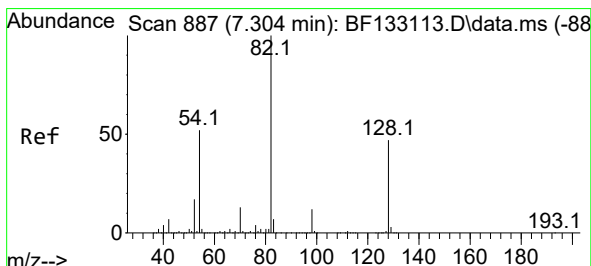
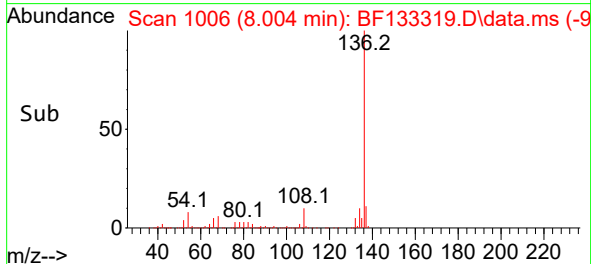
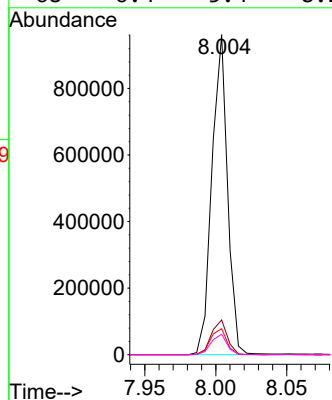
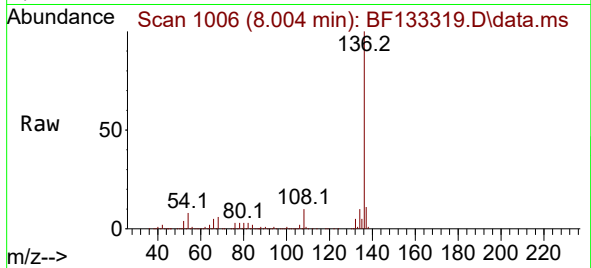




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

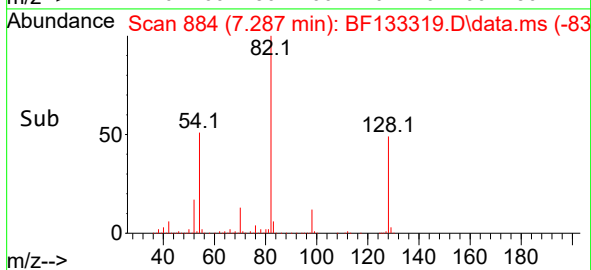
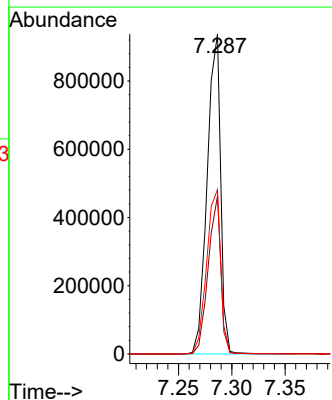
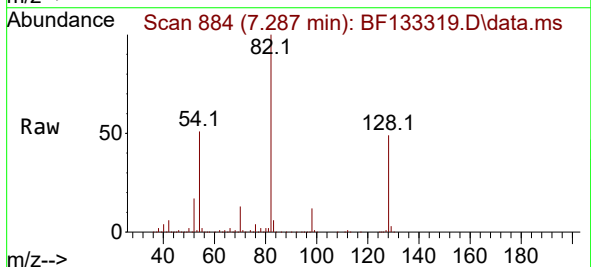
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion:136 Resp: 735402
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 7.0 10.4
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 60.732 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion: 82 Resp: 827432
Ion Ratio Lower Upper
82 100
128 49.3 37.7 56.5
54 51.4 43.0 64.4

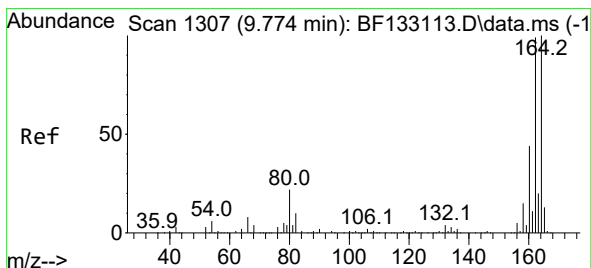
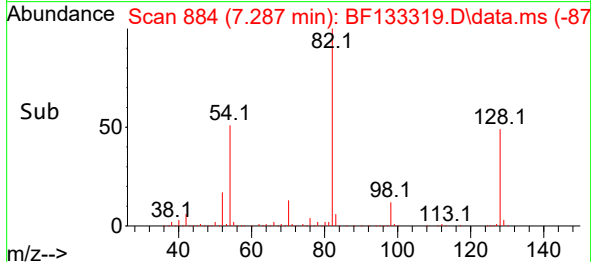
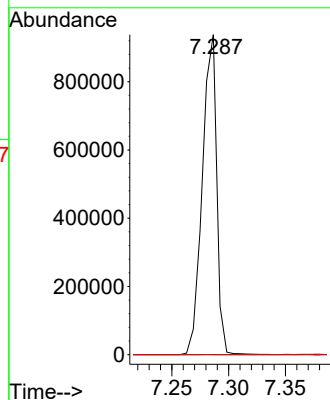
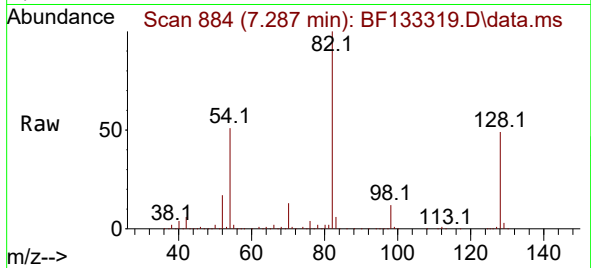




#25
Isophorone
Concen: 31.986 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

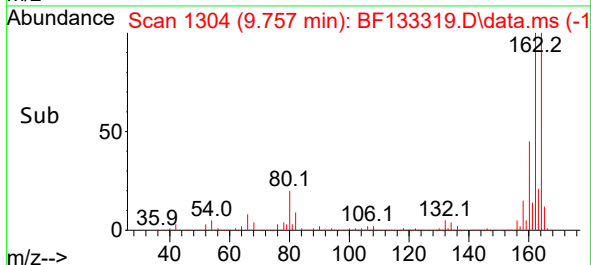
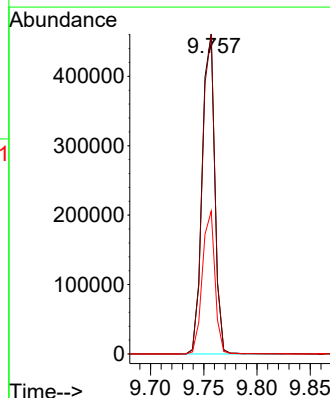
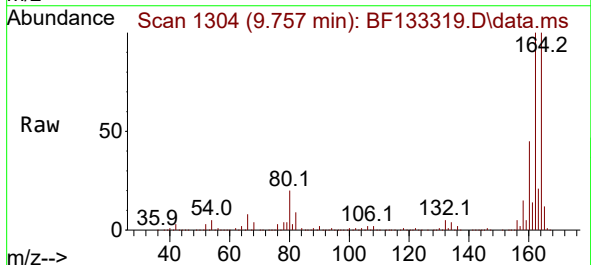
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion: 82 Resp: 827423
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion: 164 Resp: 381231
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 44.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 85.694 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

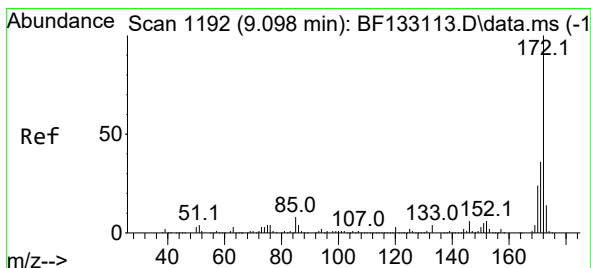
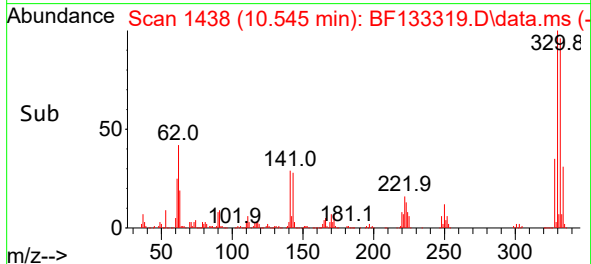
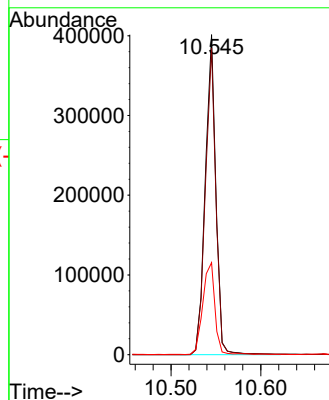
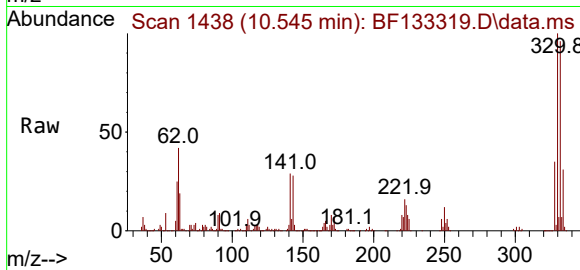
Tgt Ion:330 Resp: 328550

Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

141 33.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 62.176 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

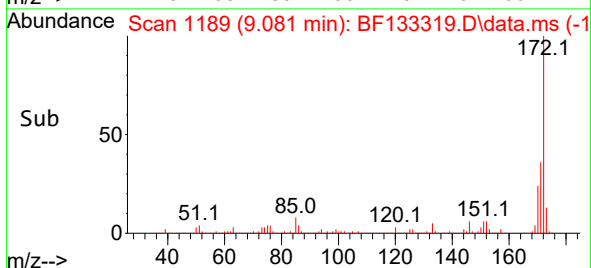
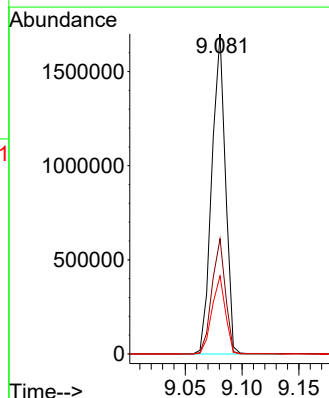
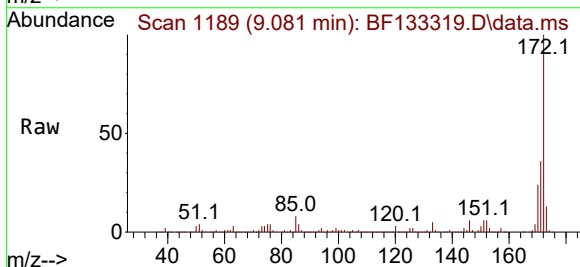
Tgt Ion:172 Resp: 1416831

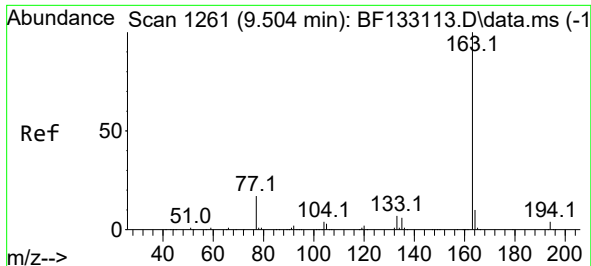
Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 24.4 19.4 29.2

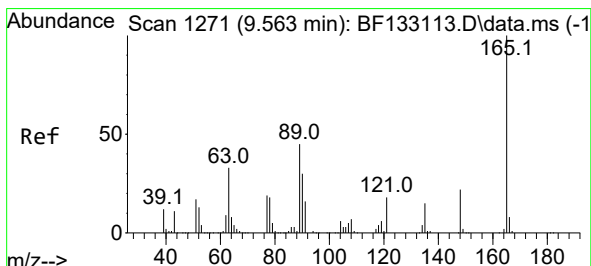
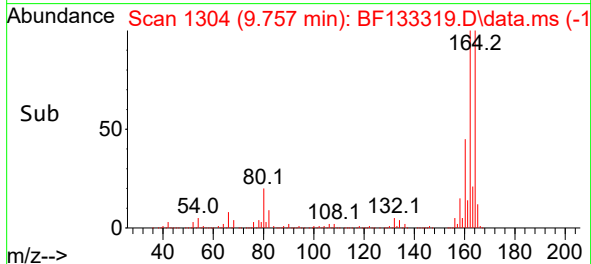
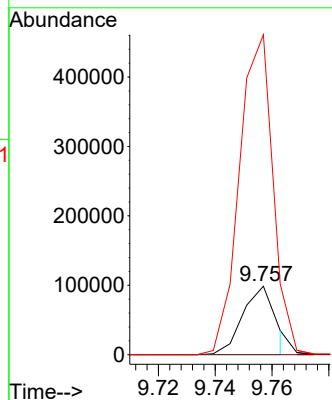
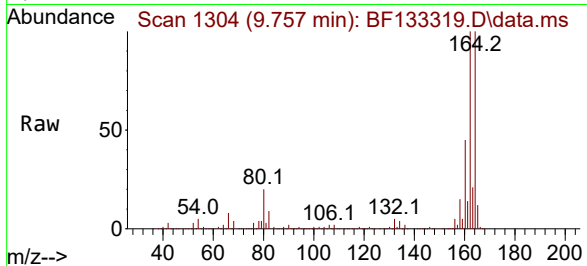




#50
Dimethylphthalate
Concen: 2.951 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

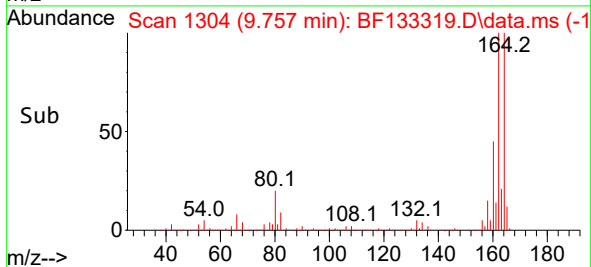
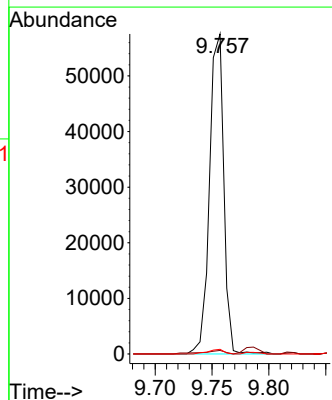
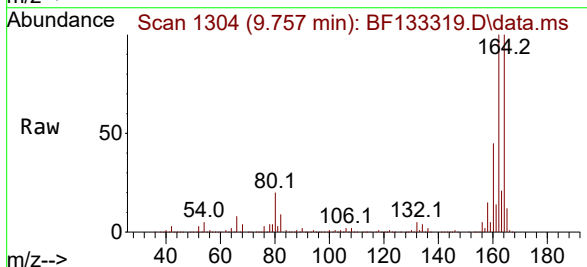
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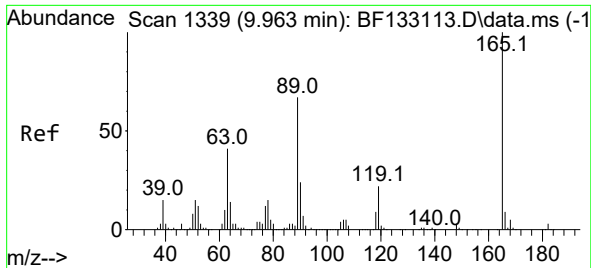
Tgt Ion:163 Resp: 78445
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 466.9 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.379 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:165 Resp: 50132
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.4 44.0 66.0#

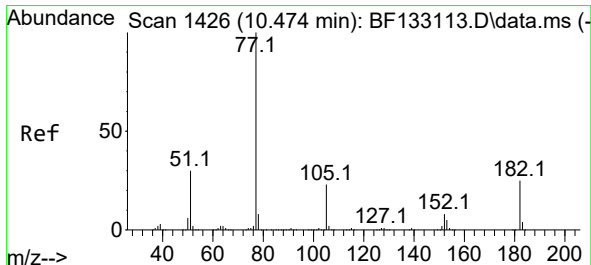
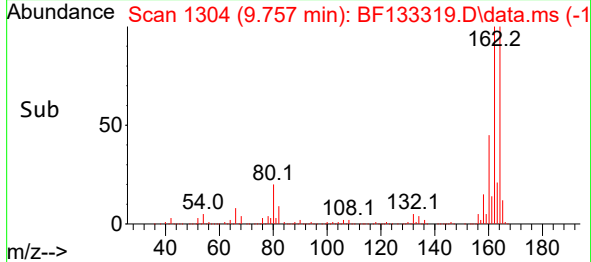
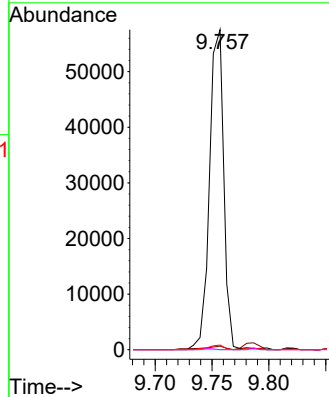
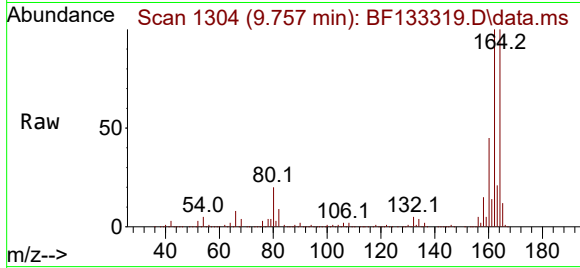




#57
2,4-Dinitrotoluene
Concen: 6.570 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

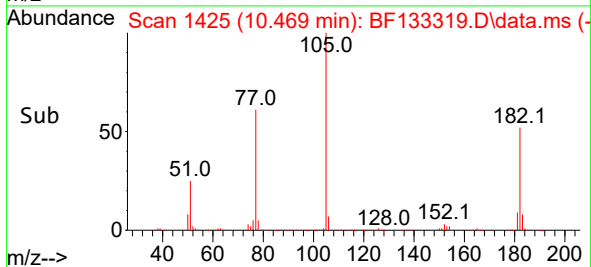
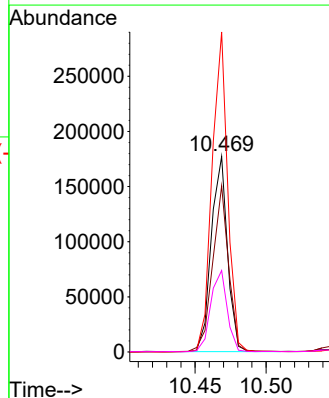
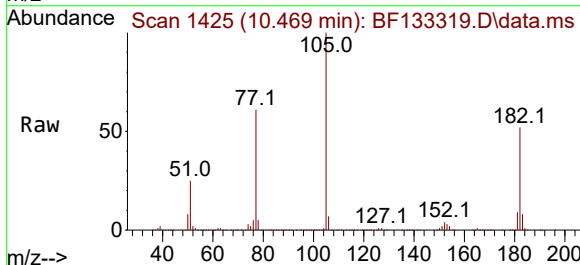
Instrument :
BNA_F
ClientSampleId :
VNJ-207

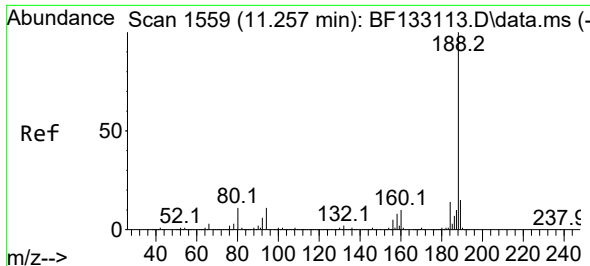
Tgt Ion:165 Resp: 50132
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 5.286 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion: 77 Resp: 140609
Ion Ratio Lower Upper
77 100
182 84.9 5.9 45.9#
105 163.7 2.3 42.3#
51 41.7 11.1 51.1

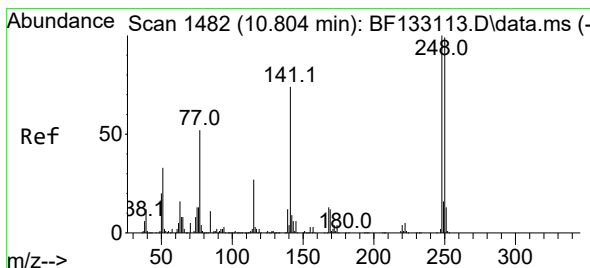
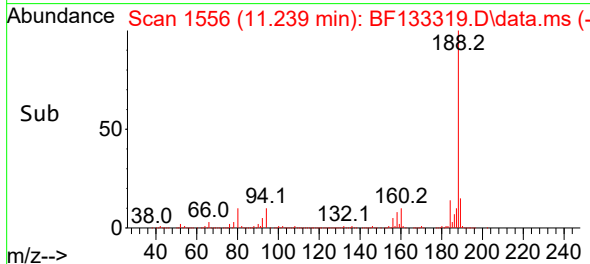
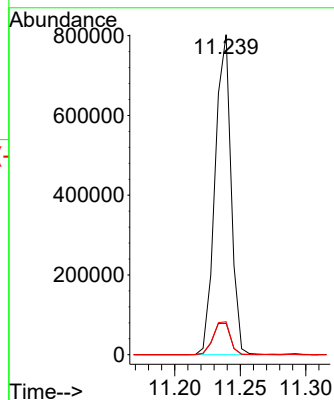
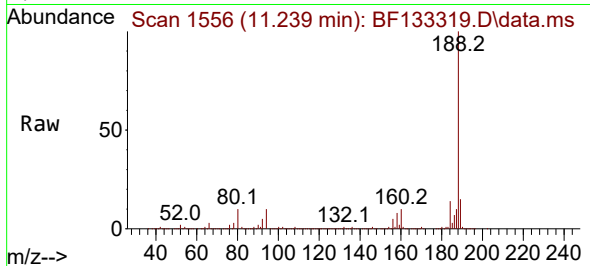




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

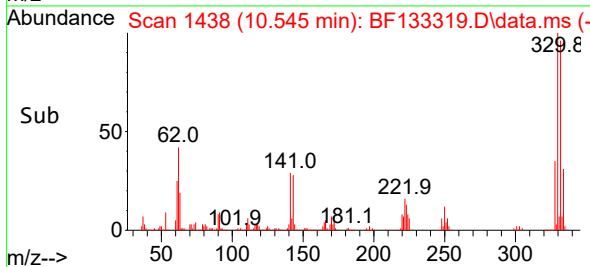
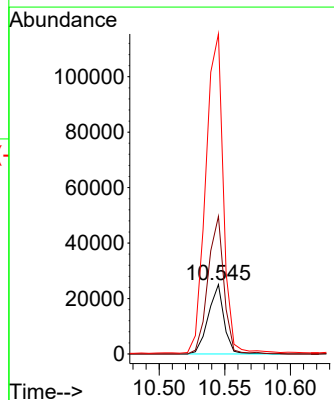
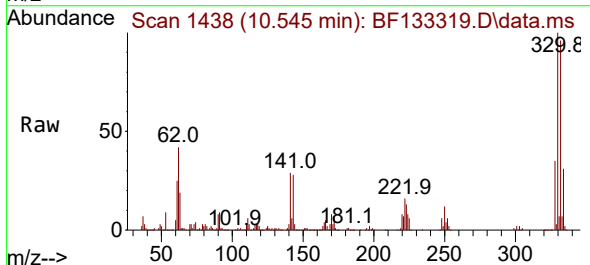
Instrument :
BNA_F
ClientSampleId :
VNJ-207

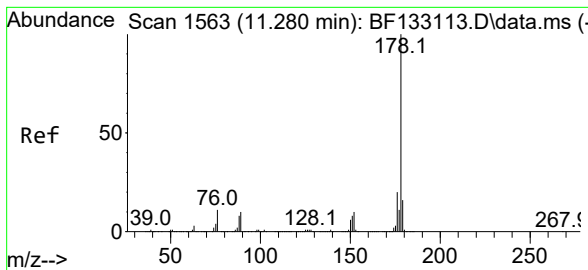
Tgt Ion:188 Resp: 678021
Ion Ratio Lower Upper
188 100
94 9.8 9.7 14.5
80 10.3 10.4 15.6#



#67
4-Bromophenyl-phenylether
Concen: 2.848 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.247 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:248 Resp: 20943
Ion Ratio Lower Upper
248 100
250 198.1 78.7 118.1#
141 460.7 56.3 84.5#

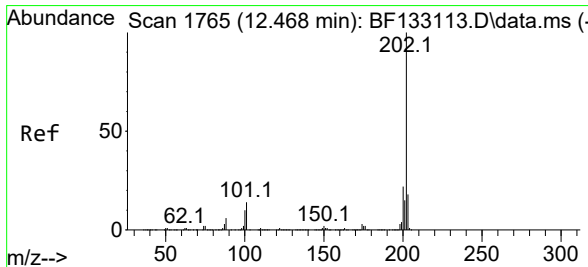
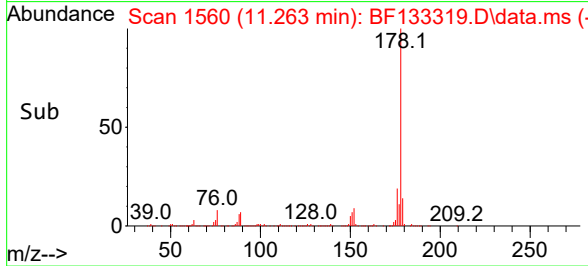
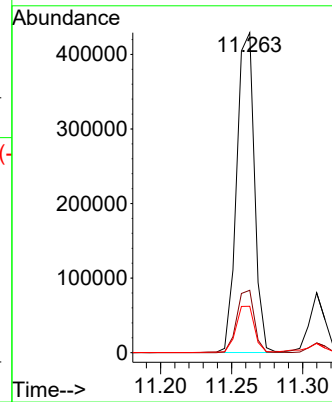
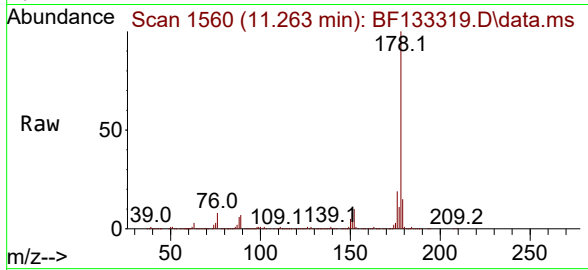




#71
Phenanthrene
Concen: 10.215 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

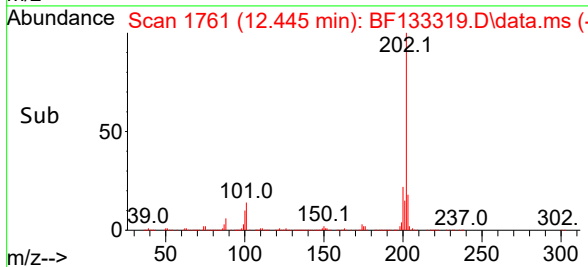
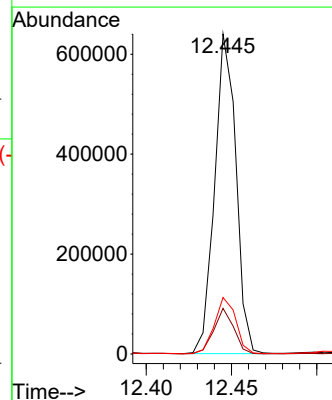
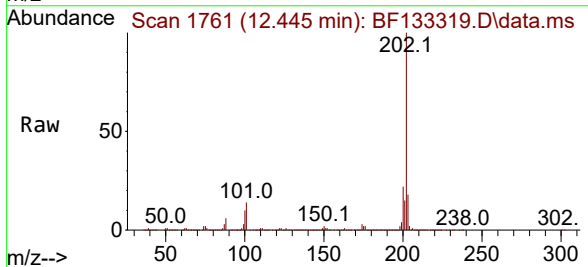
Instrument :
BNA_F
ClientSampleId :
VNJ-207

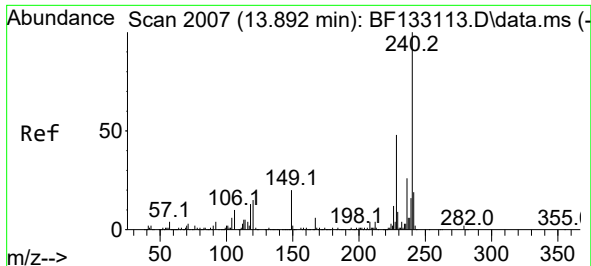
Tgt Ion:	178	Resp:	372242
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	14.5	12.5	18.7



#75
Fluoranthene
Concen: 15.199 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:	202	Resp:	555888
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	35.3
203	17.6	0.0	38.1

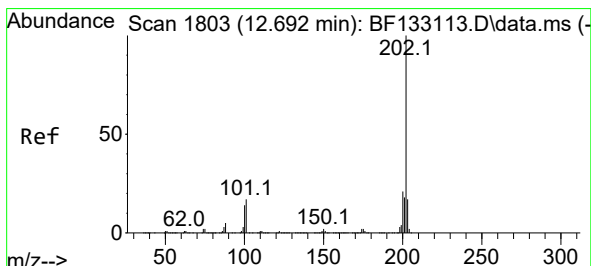
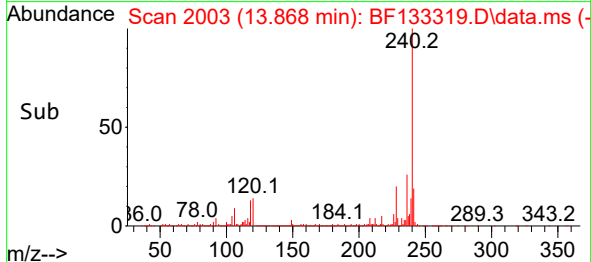
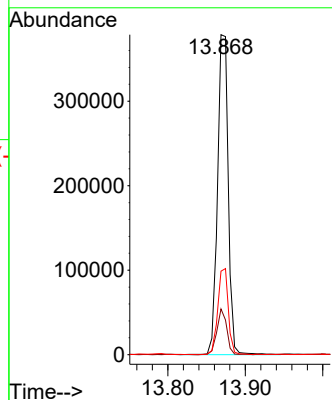
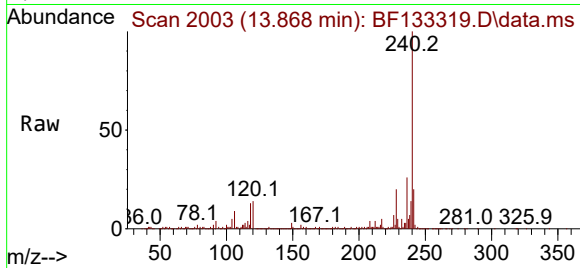




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

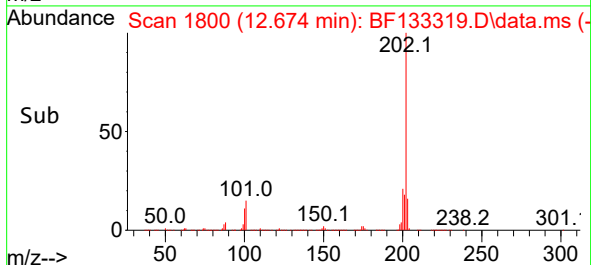
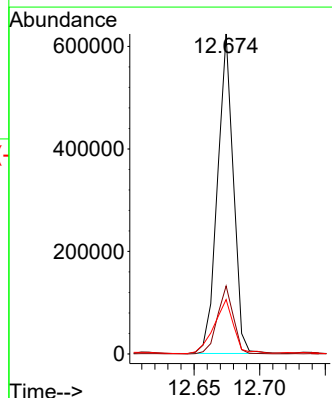
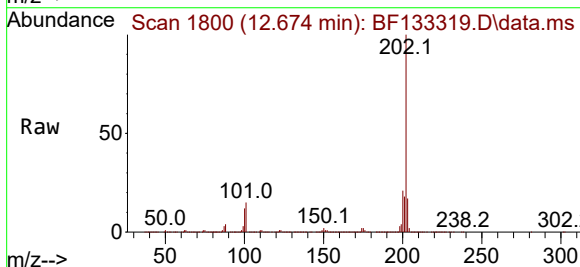
Instrument :
BNA_F
ClientSampleId :
VNJ-207

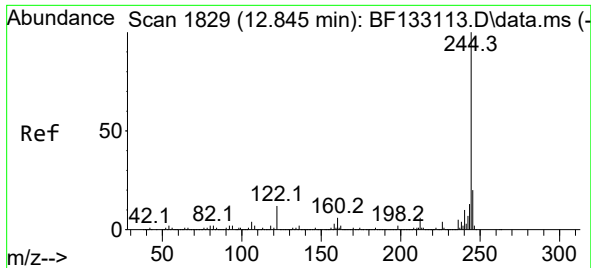
Tgt Ion:240 Resp: 363899
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.1 21.5 32.3



#78
Pyrene
Concen: 16.778 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:202 Resp: 523379
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.0 14.1 21.1

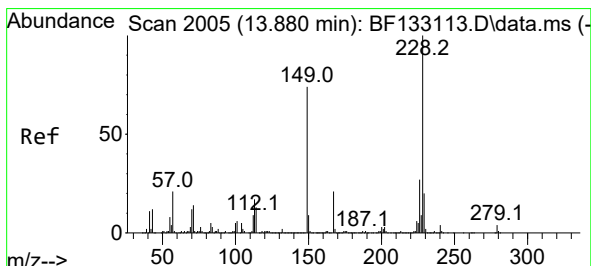
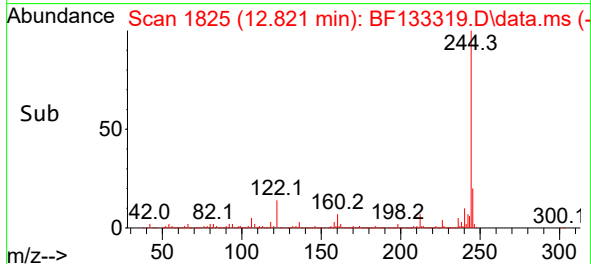
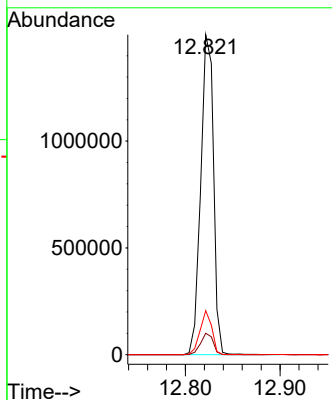
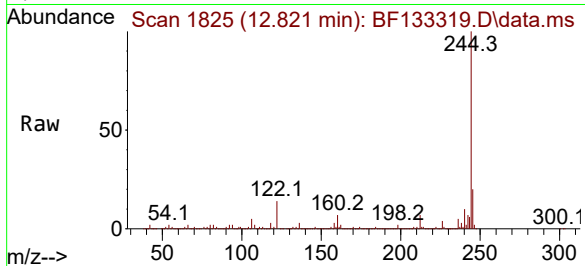




#79
 Terphenyl-d14
 Concen: 66.755 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07

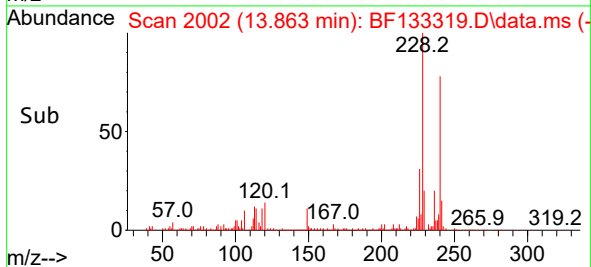
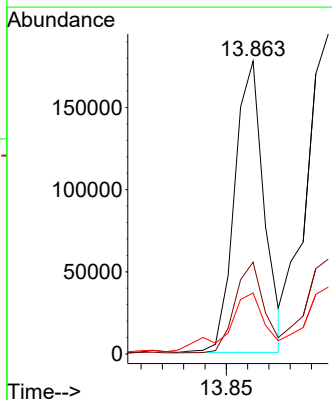
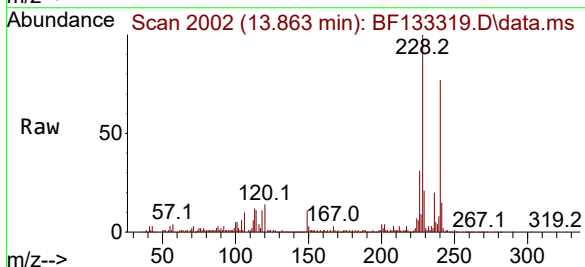
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

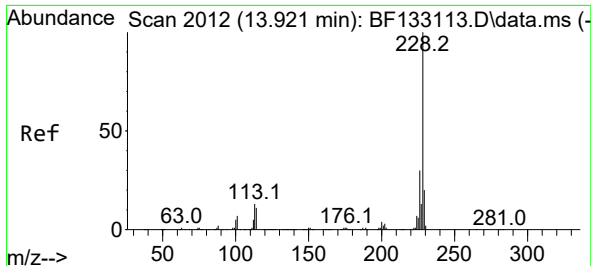
Tgt Ion:244 Resp: 1408516
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.7 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 6.824 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07

Tgt Ion:228 Resp: 170776
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.2 33.4
 229 20.8 16.0 24.0

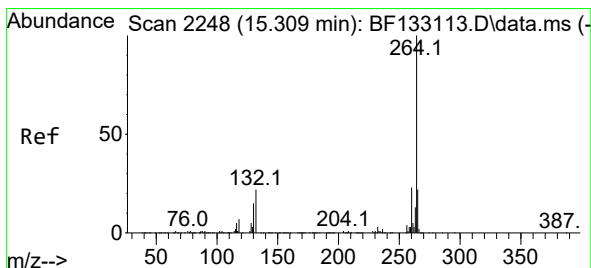
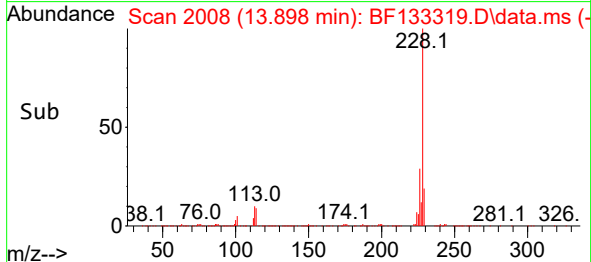
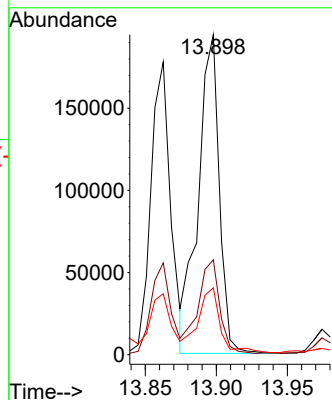
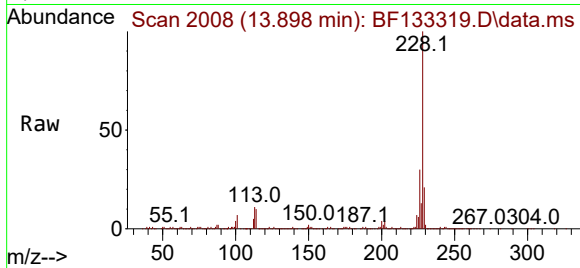




#83
Chrysene
Concen: 8.005 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

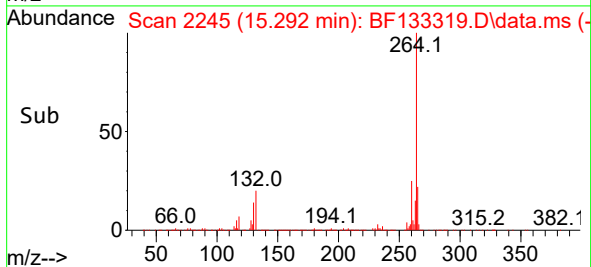
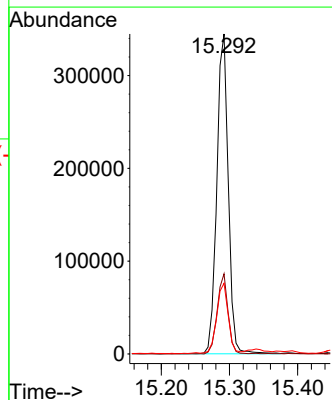
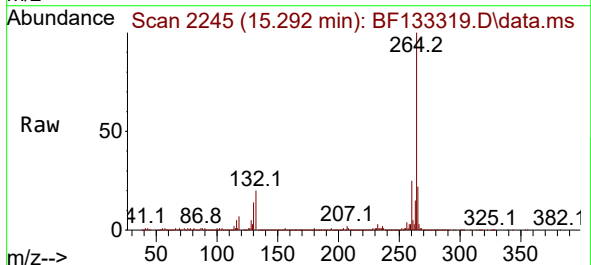
Instrument :
BNA_F
ClientSampleId :
VNJ-207

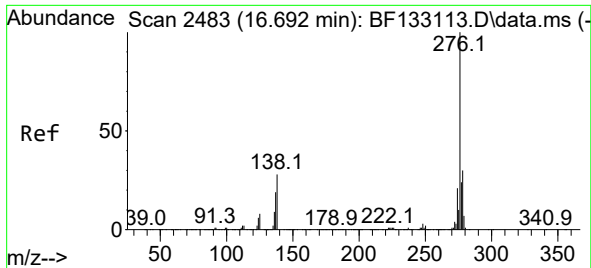
Tgt Ion:228 Resp: 200277
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 20.9 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:264 Resp: 401994
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.1 17.0 25.4

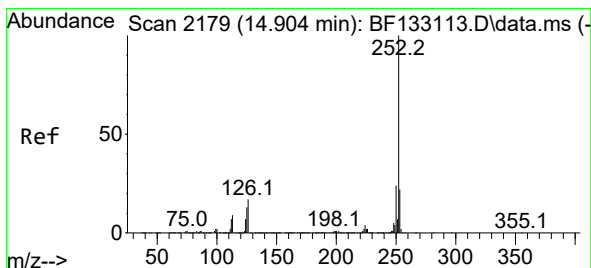
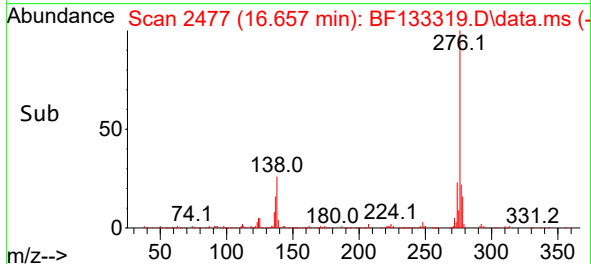
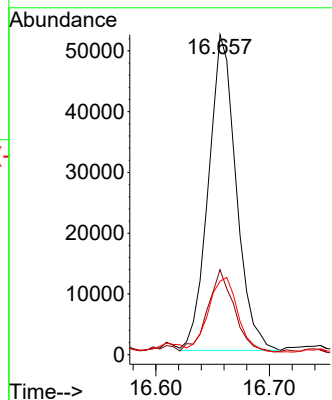
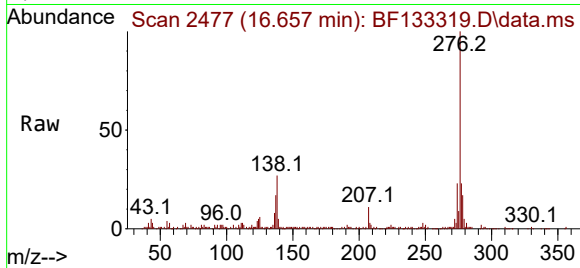




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.857 ng
RT: 16.657 min Scan# 2483
Delta R.T. -0.018 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

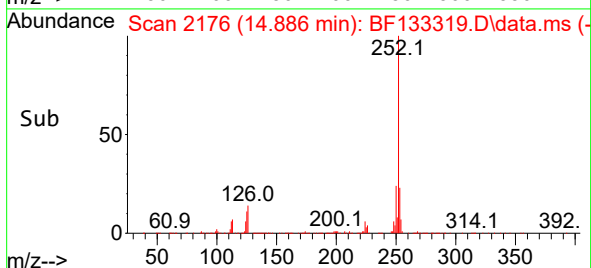
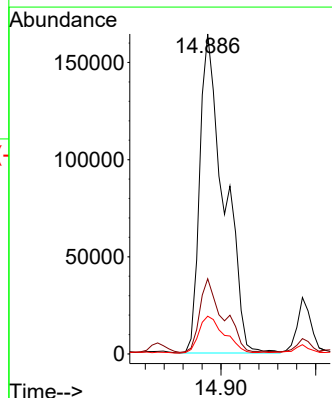
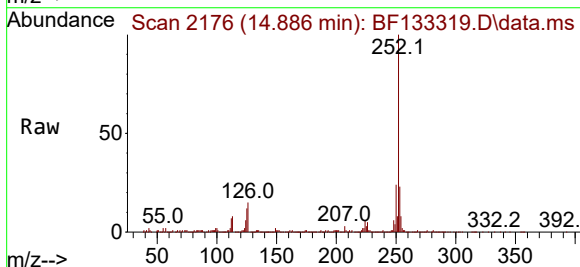
Instrument :
BNA_F
ClientSampleId :
VNJ-207

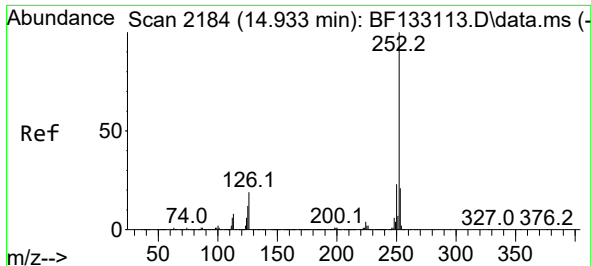
Tgt Ion:276 Resp: 88198
Ion Ratio Lower Upper
276 100
138 24.9 25.5 38.3#
277 25.5 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 11.486 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:252 Resp: 293751
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 11.8 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 11.587 ng

RT: 14.886 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

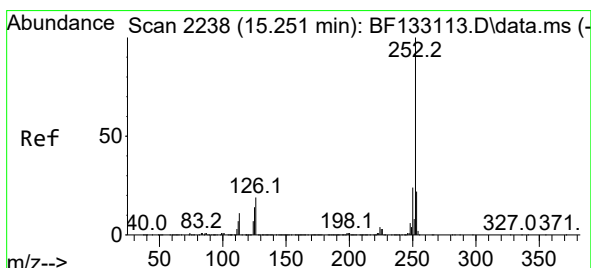
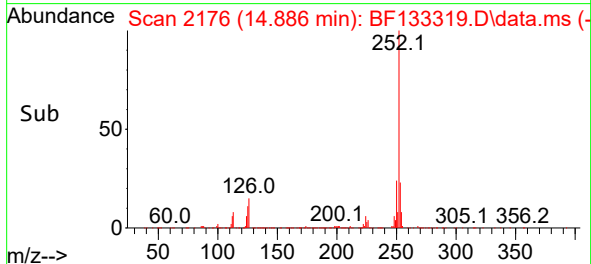
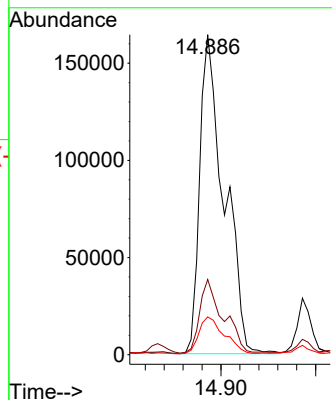
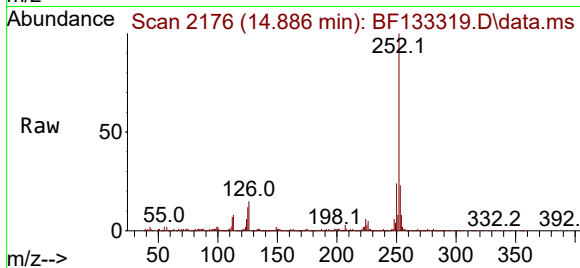
Tgt Ion:252 Resp: 293751

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.8 9.0 13.4



#90

Benzo(a)pyrene

Concen: 6.579 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Tgt Ion:252 Resp: 153153

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 12.2 10.5 15.7

