

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132662.D
 Acq On : 06 Mar 2023 22:20
 Operator : CG\JU
 Sample : 01814-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Quant Time: Mar 07 00:59:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

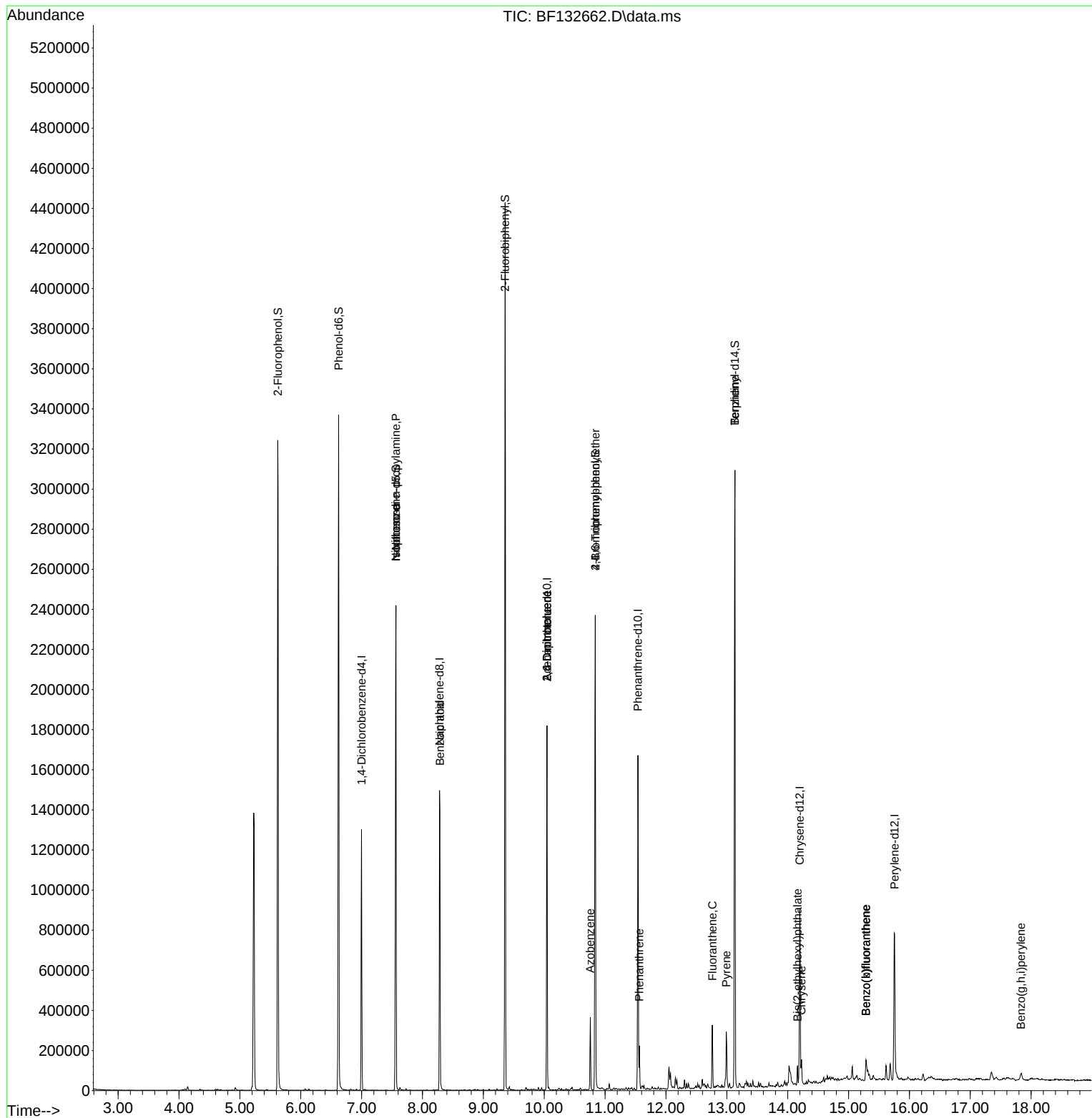
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	182819	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	676765	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	344779	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	592202	20.000	ng	0.00
76) Chrysene-d12	14.198	240	292218	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	376293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	979624	86.966	ng	0.00
7) Phenol-d6	6.622	99	1233961	83.936	ng	-0.01
23) Nitrobenzene-d5	7.563	82	788071	55.247	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	284957	76.530	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1298757	57.358	ng	-0.01
79) Terphenyl-d14	13.133	244	1108028	64.109	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	102286	11.305	ng	# 75
25) Isophorone	7.563	82	788062	28.816	ng	# 67
32) Benzoic acid	8.287	122	203	3.858	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	45256	7.916	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	45257	5.950	ng	# 21
63) Azobenzene	10.757	77	56525	2.177	ng	# 1
67) 4-Bromophenyl-phenylether	10.839	248	18239	2.723	ng	# 1
71) Phenanthrene	11.563	178	70383	2.294	ng	97
75) Fluoranthene	12.763	202	118411	3.531	ng	99
77) Benzidine	13.133	184	14680	2.064	ng	# 92
78) Pyrene	12.992	202	108342	4.078	ng	98
83) Chrysene	14.227	228	45870	2.243	ng	98
84) Bis(2-ethylhexyl)phtha...	14.163	149	27791	2.158	ng	97
88) Benzo(b)fluoranthene	15.286	252	79840	3.166	ng	95
89) Benzo(k)fluoranthene	15.286	252	79840	3.235	ng	96
92) Benzo(g,h,i)perylene	17.833	276	29888	2.886	ng	# 94

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

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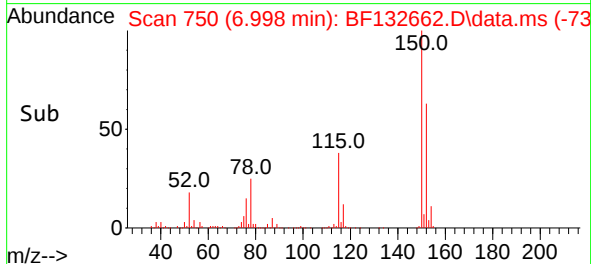
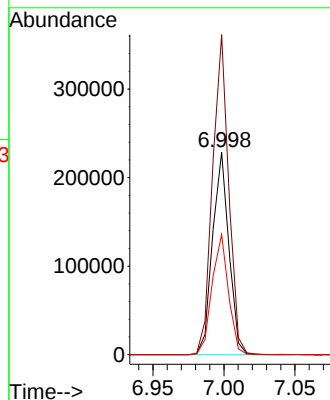
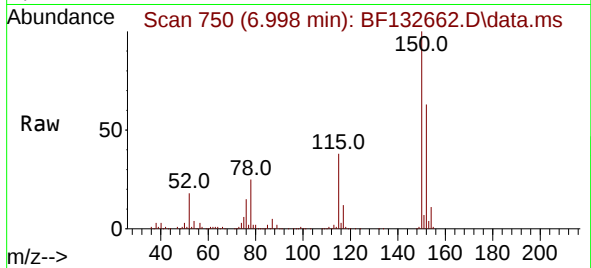




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

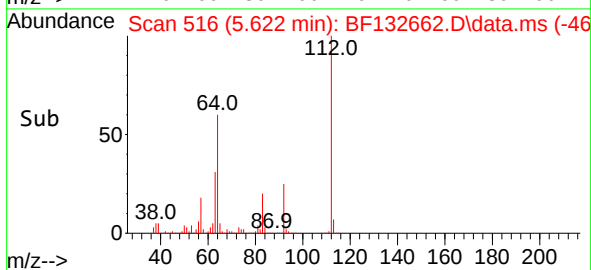
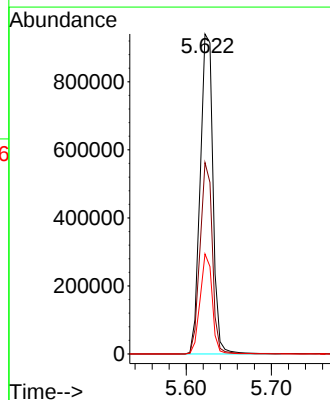
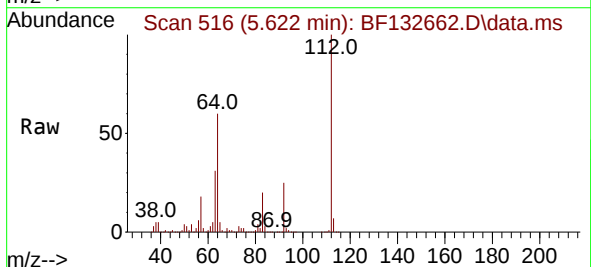
Instrument :
BNA_F
ClientSampleId :
VNJ-206

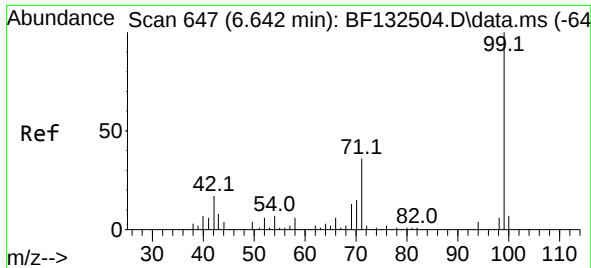
Tgt Ion:152 Resp: 182819
Ion Ratio Lower Upper
152 100
150 158.0 125.4 188.2
115 59.4 47.8 71.6



#5
2-Fluorophenol
Concen: 86.966 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion:112 Resp: 979624
Ion Ratio Lower Upper
112 100
64 59.8 51.6 77.4
63 31.2 27.4 41.2

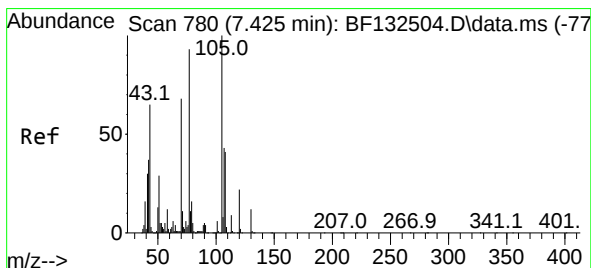
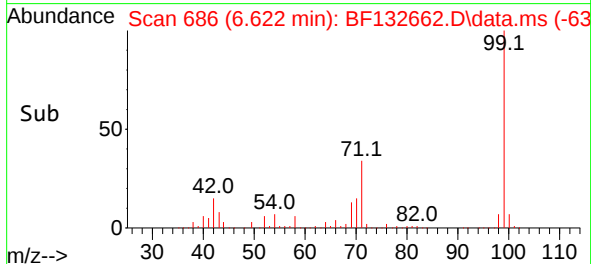
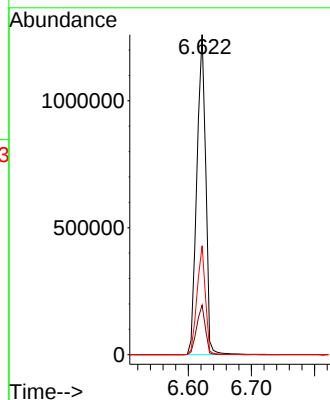
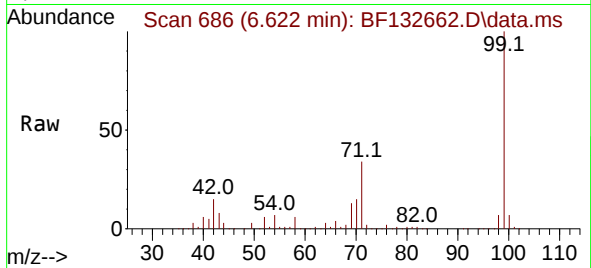




#7
Phenol-d6
Concen: 83.936 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

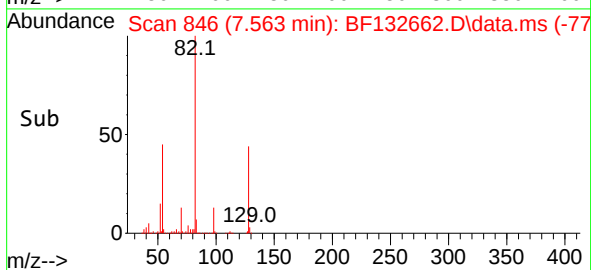
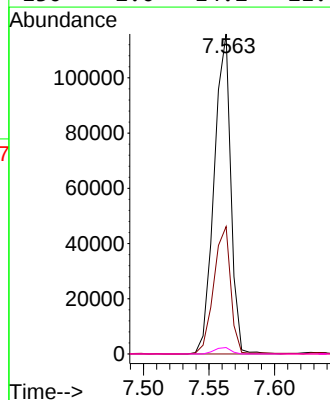
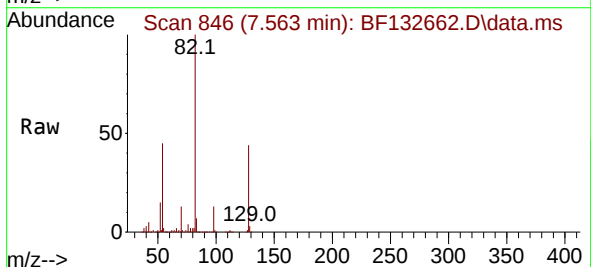
Instrument :
BNA_F
ClientSampleId :
VNJ-206

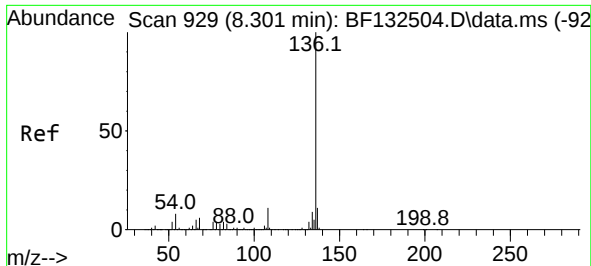
Tgt Ion: 99 Resp: 1233961
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 34.0 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.305 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion: 70 Resp: 102286
Ion Ratio Lower Upper
70 100
42 39.8 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

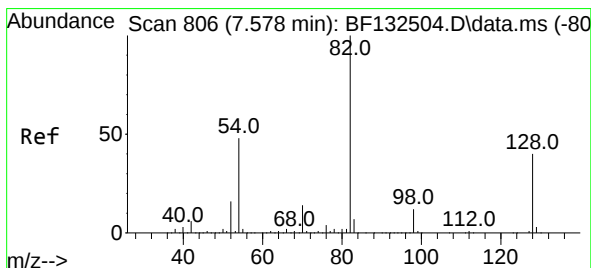
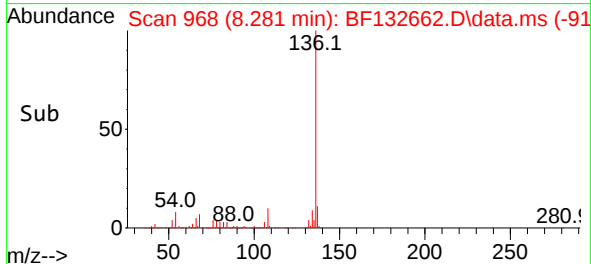
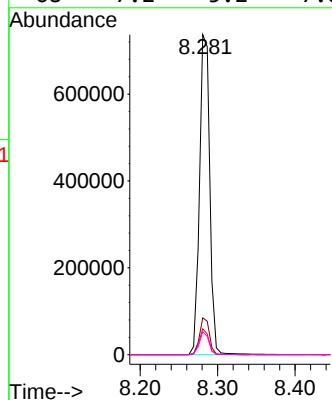
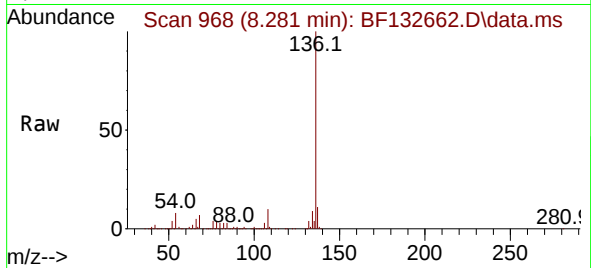




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 910
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

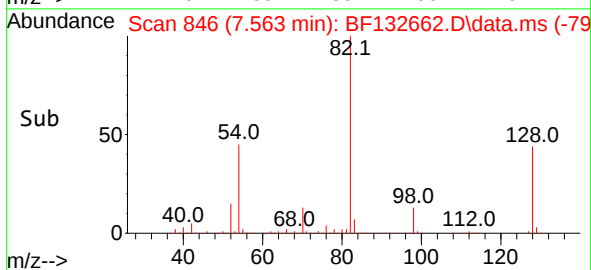
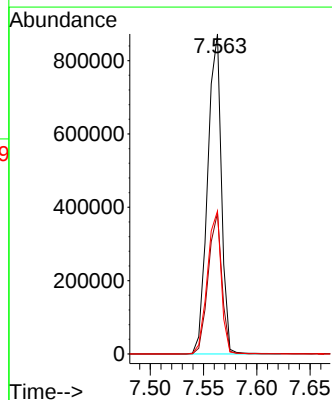
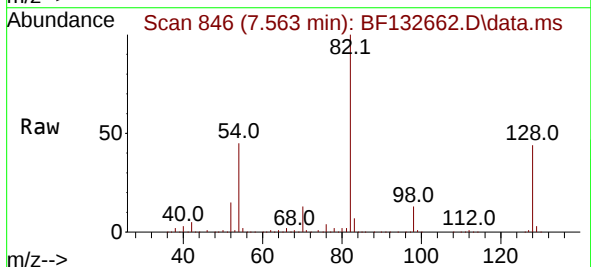
Instrument :
BNA_F
ClientSampleId :
VNJ-206

Tgt Ion:136 Resp: 676765
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.1 6.2 9.4
68 7.2 5.2 7.8



#23
Nitrobenzene-d5
Concen: 55.247 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion: 82 Resp: 788071
Ion Ratio Lower Upper
82 100
128 44.1 32.2 48.2
54 44.6 38.4 57.6

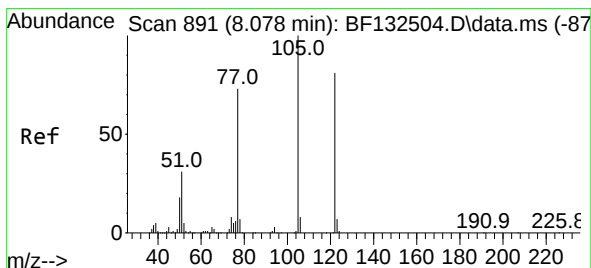
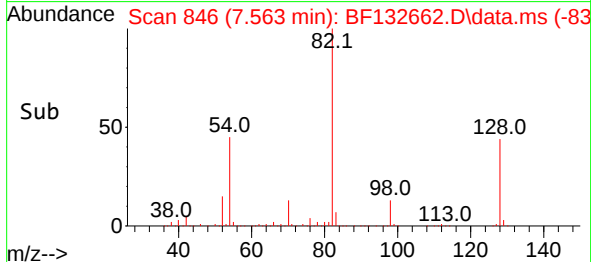
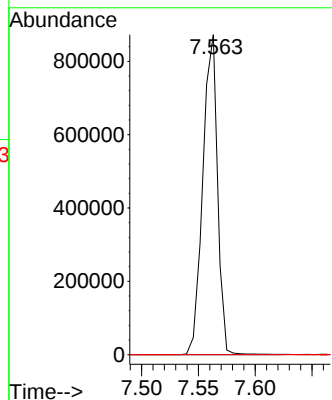
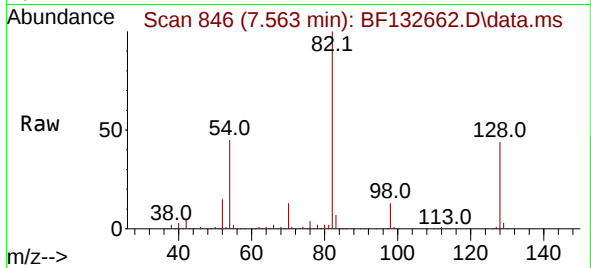




#25
Isophorone
Concen: 28.816 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

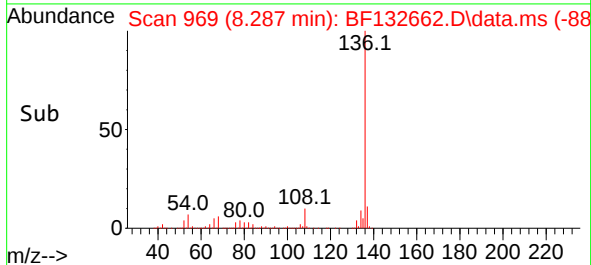
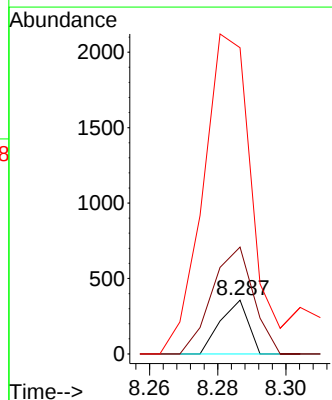
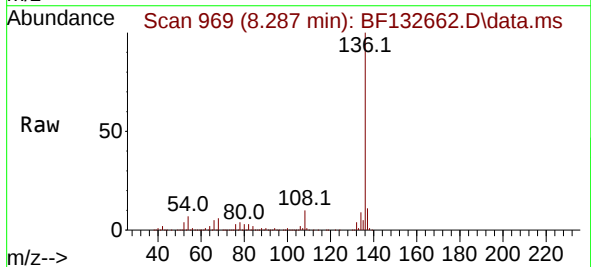
Instrument :
BNA_F
ClientSampleId :
VNJ-206

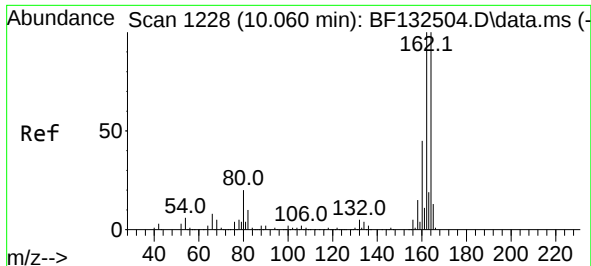
Tgt Ion: 82 Resp: 788062
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.858 ng
RT: 8.287 min Scan# 969
Delta R.T. 0.221 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion: 122 Resp: 203
Ion Ratio Lower Upper
122 100
105 198.9 102.6 142.6#
77 570.2 70.2 110.2#

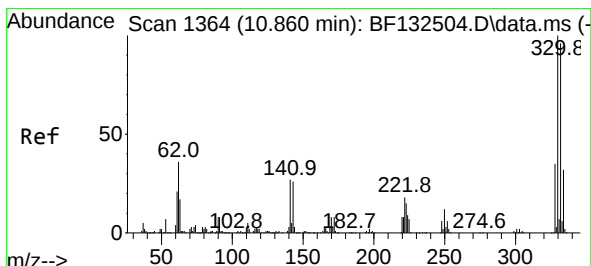
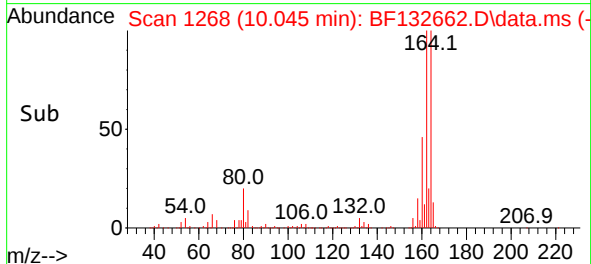
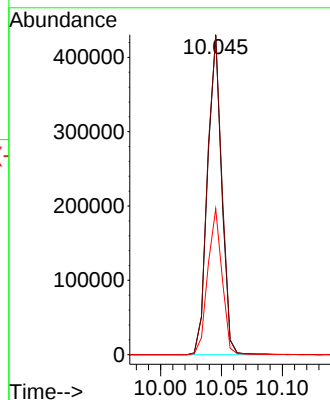
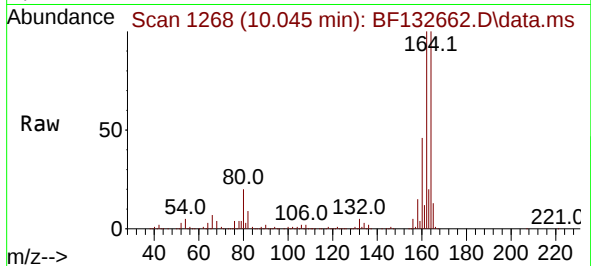




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

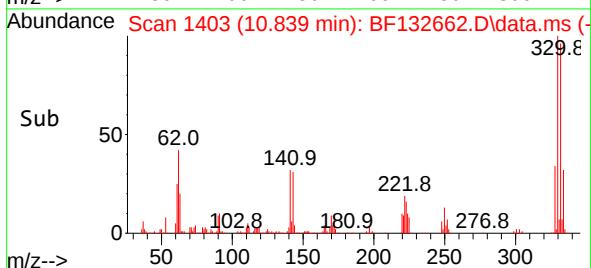
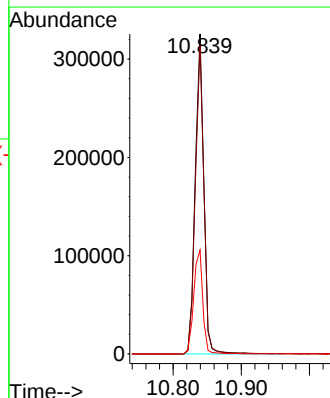
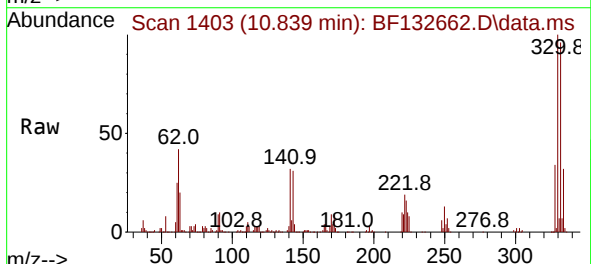
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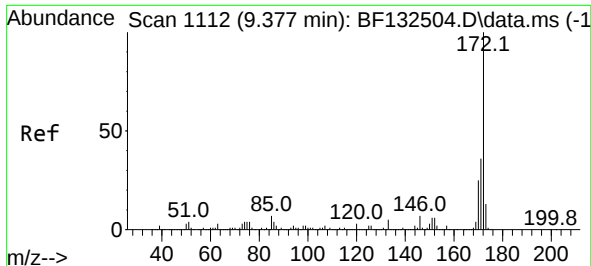
Tgt Ion:164 Resp: 344779
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.8
160 45.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 76.530 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion:330 Resp: 284957
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 34.3 28.4 42.6

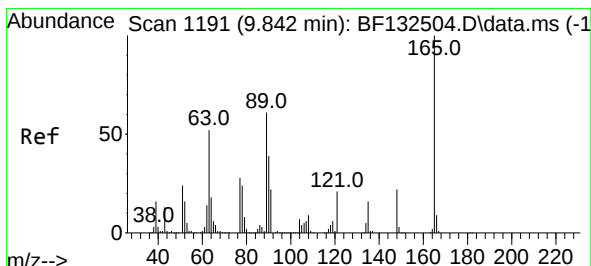
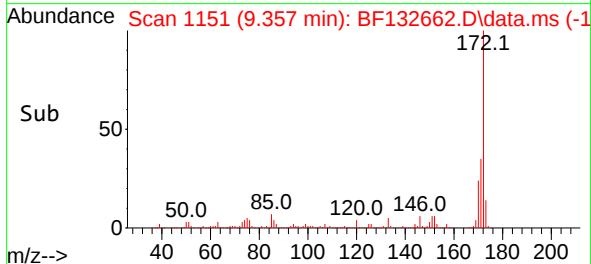
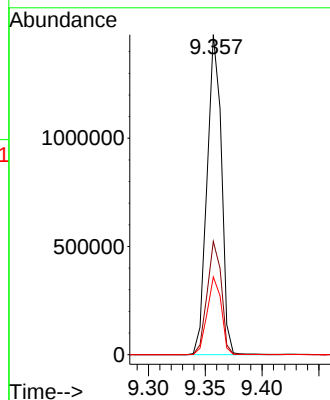
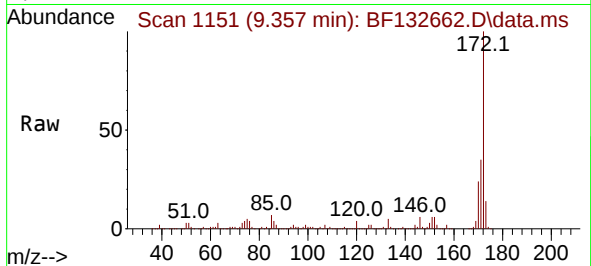




#45
2-Fluorobiphenyl
Concen: 57.358 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

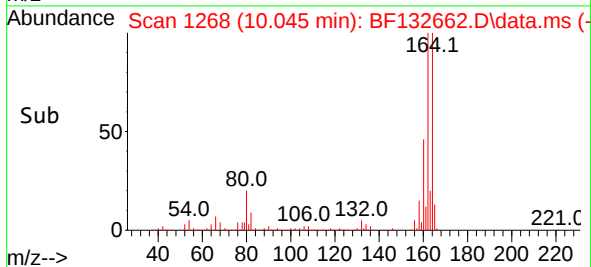
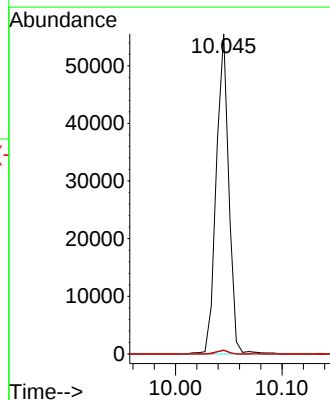
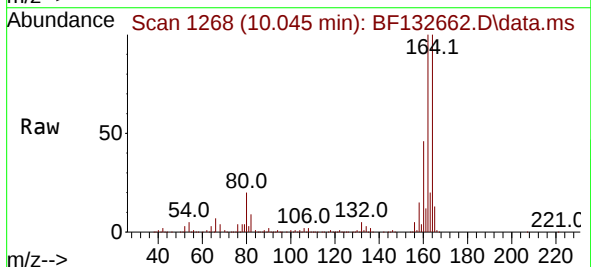
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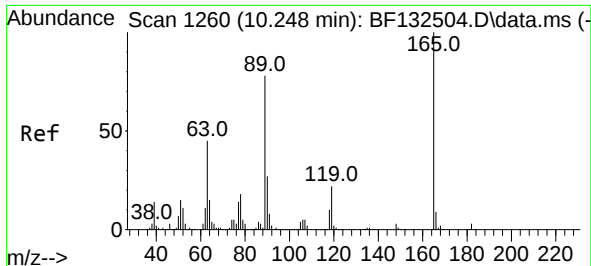
Tgt Ion:172 Resp: 1298757
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.3 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.916 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion:165 Resp: 45256
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 1.1 48.9 73.3#

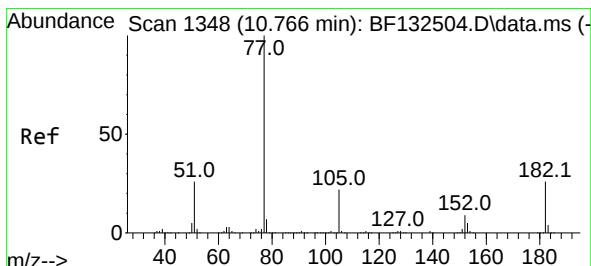
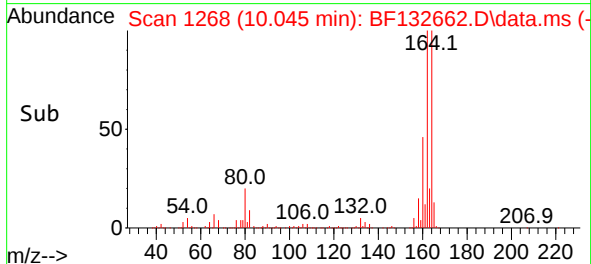
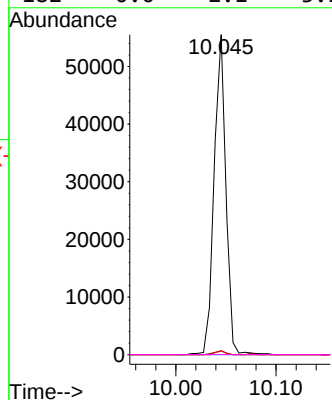
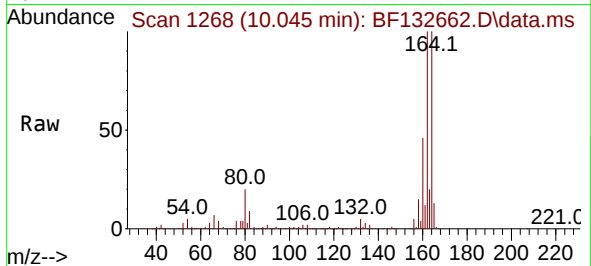




#57
2,4-Dinitrotoluene
Concen: 5.950 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

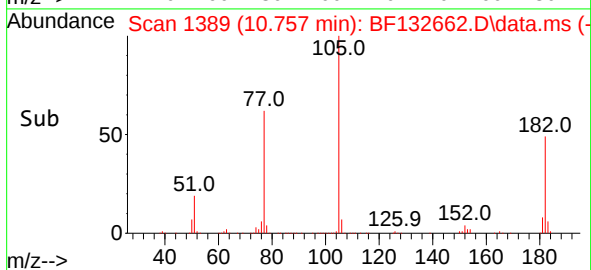
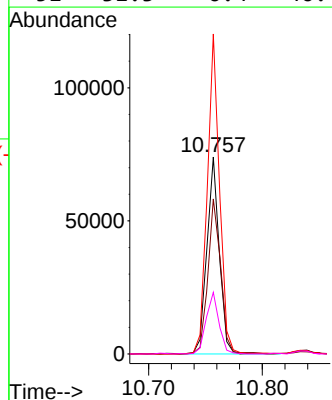
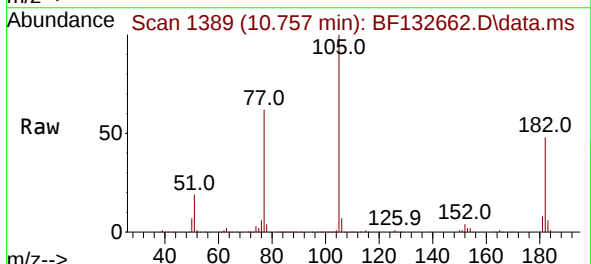
Instrument :
BNA_F
ClientSampleId :
VNJ-206

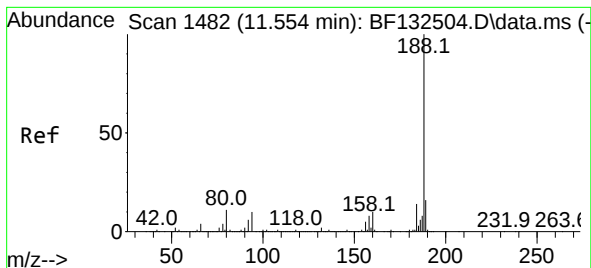
Tgt Ion:165 Resp: 45257
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.177 ng
RT: 10.757 min Scan# 1389
Delta R.T. 0.003 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion: 77 Resp: 56525
Ion Ratio Lower Upper
77 100
182 78.7 5.5 45.5#
105 162.5 1.8 41.8#
51 31.3 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.539 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Instrument :

BNA_F

ClientSampleId :

VNJ-206

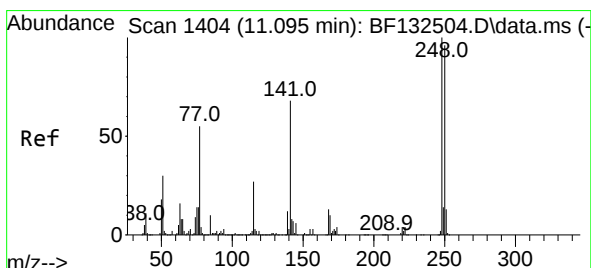
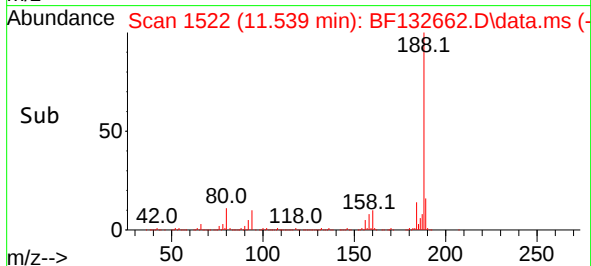
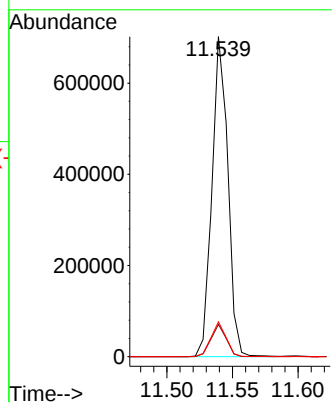
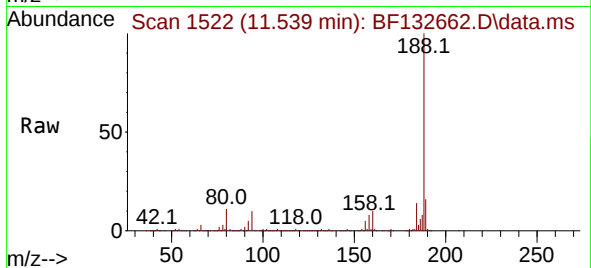
Tgt Ion:188 Resp: 592202

Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 10.9 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.723 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.250 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

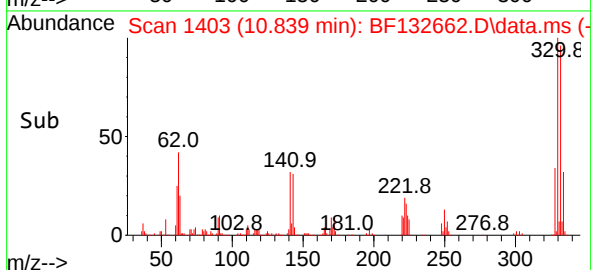
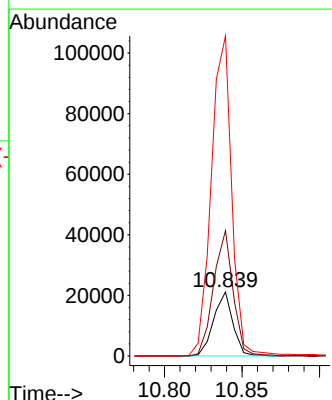
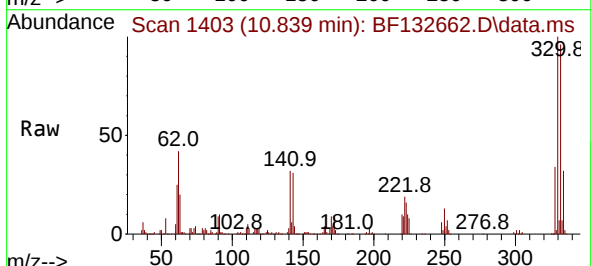
Tgt Ion:248 Resp: 18239

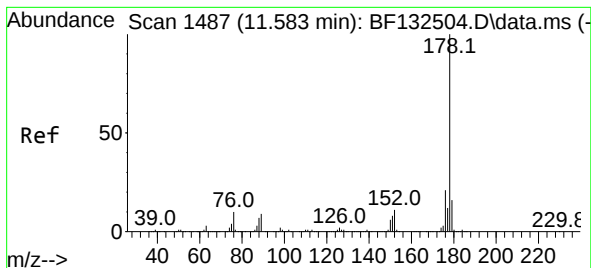
Ion Ratio Lower Upper

248 100

250 196.1 77.0 115.4#

141 500.5 54.2 81.2#





#71

Phenanthrene

Concen: 2.294 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.015 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Instrument :

BNA_F

ClientSampleId :

VNJ-206

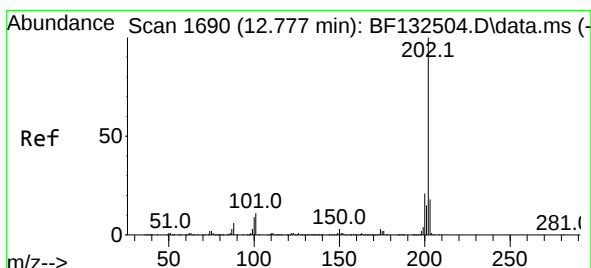
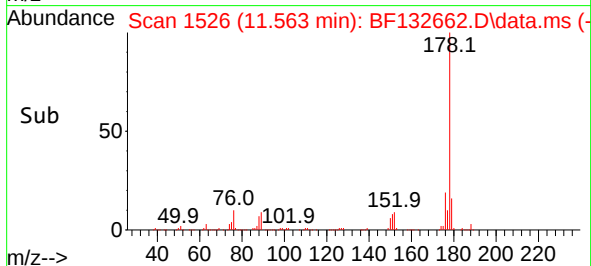
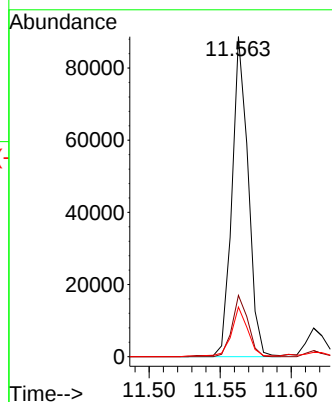
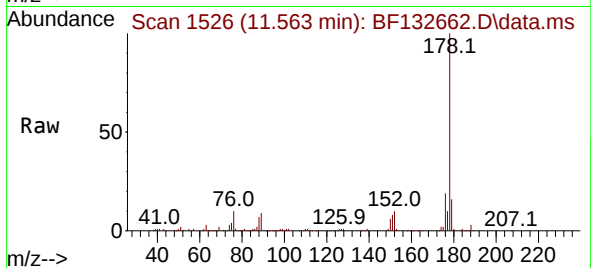
Tgt Ion:178 Resp: 70383

Ion Ratio Lower Upper

178 100

176 19.2 16.5 24.7

179 15.5 13.0 19.6



#75

Fluoranthene

Concen: 3.531 ng

RT: 12.763 min Scan# 1730

Delta R.T. -0.009 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

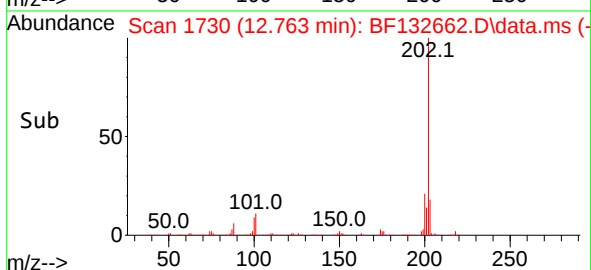
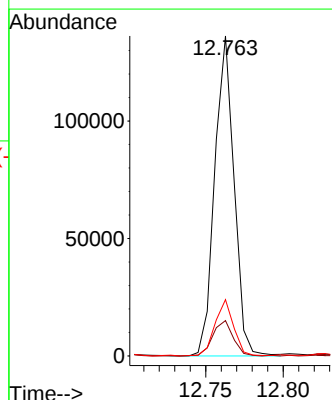
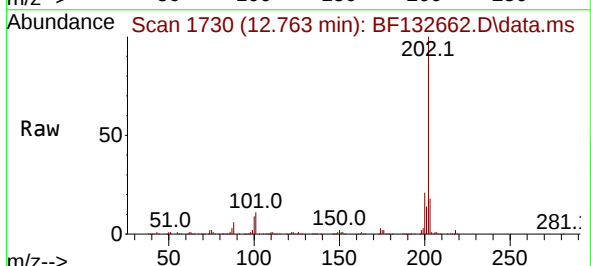
Tgt Ion:202 Resp: 118411

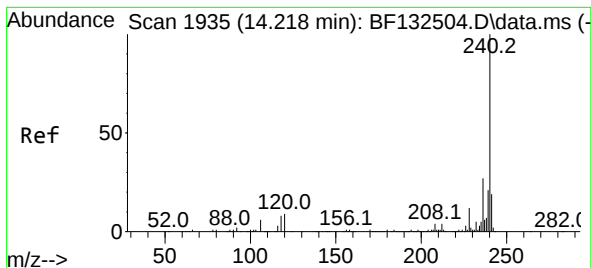
Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.198 min Scan# 1935

Delta R.T. -0.009 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Instrument :

BNA_F

ClientSampleId :

VNJ-206

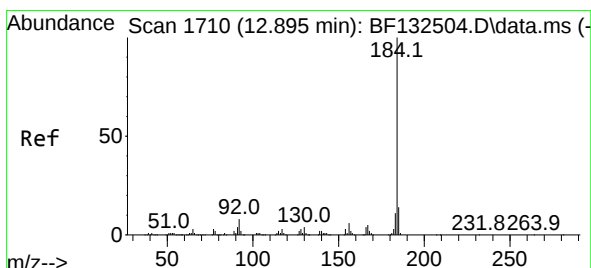
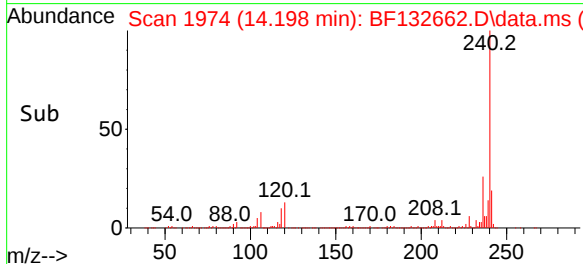
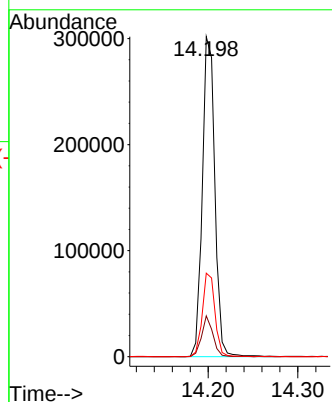
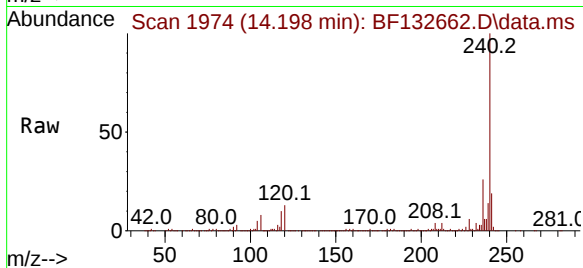
Tgt Ion:240 Resp: 292218

Ion Ratio Lower Upper

240 100

120 12.7 7.2 10.8#

236 26.1 21.8 32.6



#77

Benidine

Concen: 2.064 ng

RT: 13.133 min Scan# 1793

Delta R.T. 0.250 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

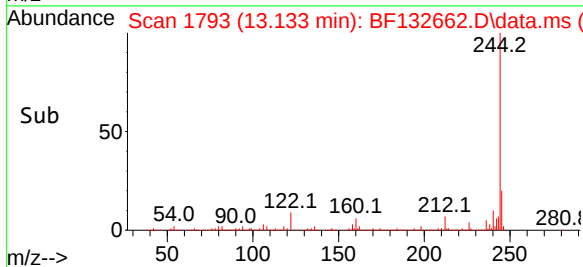
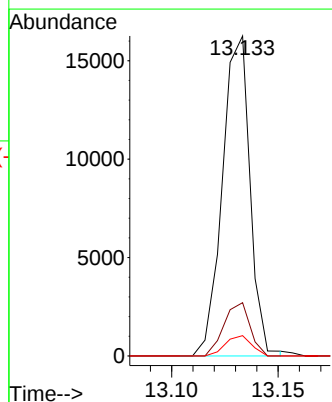
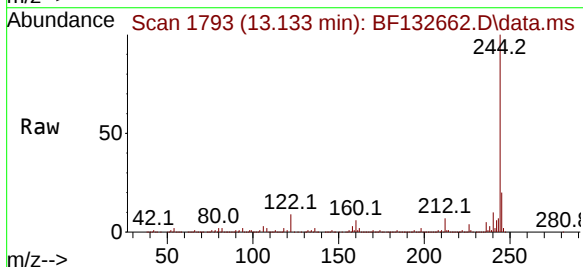
Tgt Ion:184 Resp: 14680

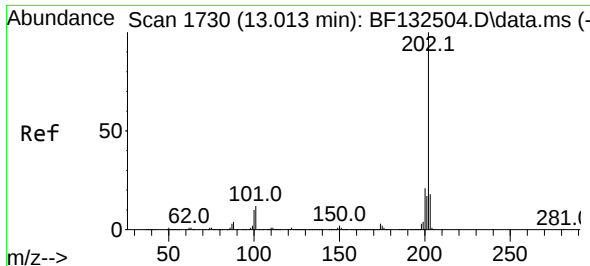
Ion Ratio Lower Upper

184 100

185 16.6 11.7 17.5

183 6.3 8.7 13.1#

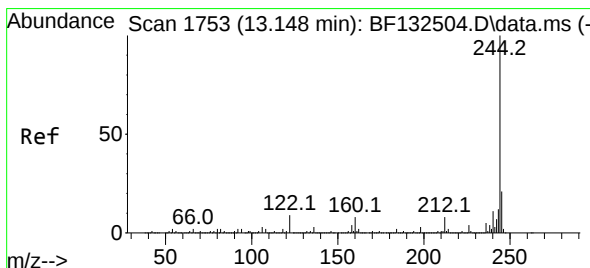
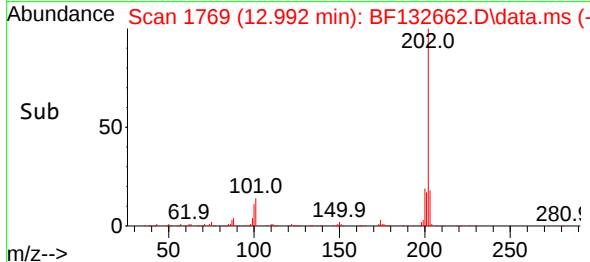
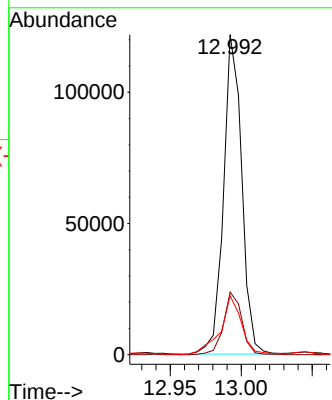
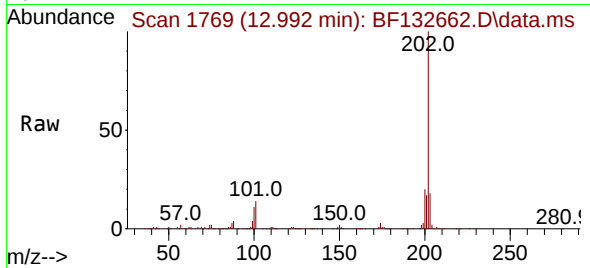




#78
Pyrene
Concen: 4.078 ng
RT: 12.992 min Scan# 1769
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

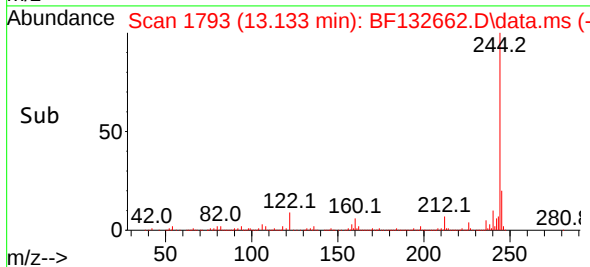
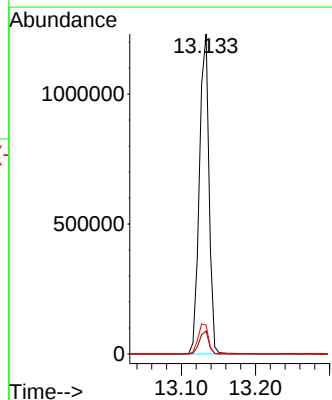
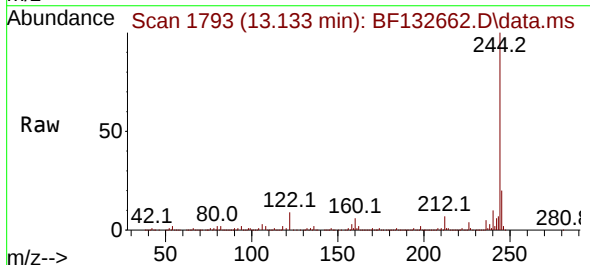
Instrument :
BNA_F
ClientSampleId :
VNJ-206

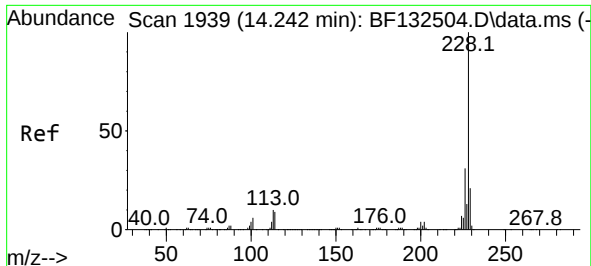
Tgt Ion:202 Resp: 108342
Ion Ratio Lower Upper
202 100
200 19.5 17.1 25.7
203 18.4 14.6 21.8



#79
Terphenyl-d14
Concen: 64.109 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion:244 Resp: 1108028
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 9.0 7.5 11.3

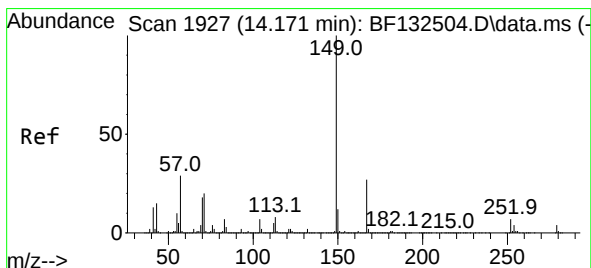
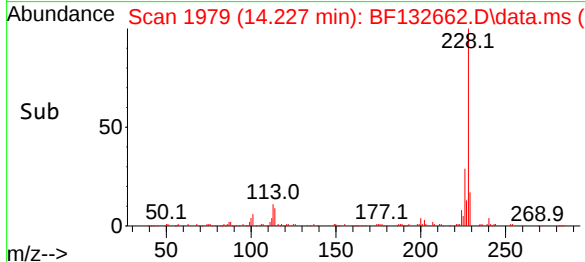
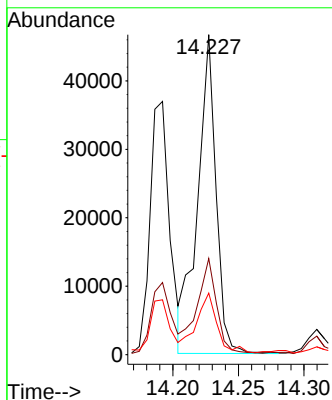
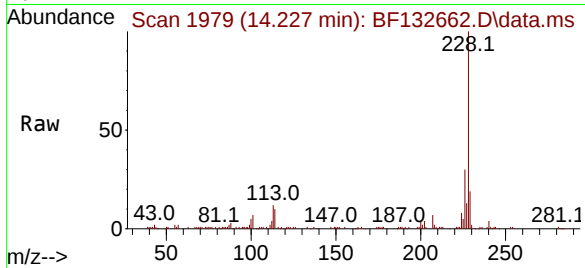




#83
Chrysene
Concen: 2.243 ng
RT: 14.227 min Scan# 1939
Delta R.T. -0.009 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

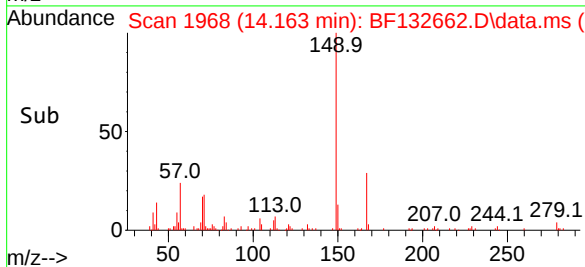
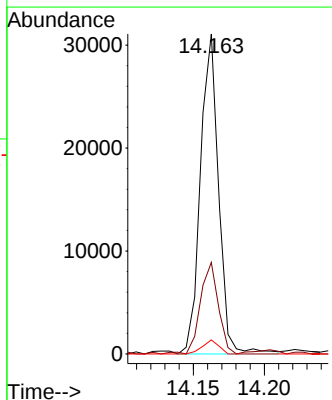
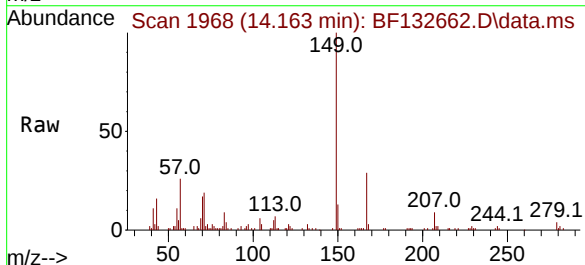
Instrument :
BNA_F
ClientSampleId :
VNJ-206

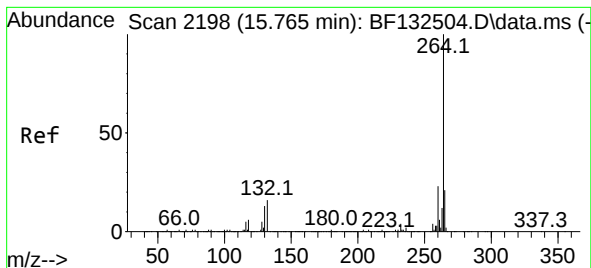
Tgt Ion:228 Resp: 45870
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 19.2 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.158 ng
RT: 14.163 min Scan# 1968
Delta R.T. -0.003 min
Lab File: BF132662.D
Acq: 06 Mar 2023 22:20

Tgt Ion:149 Resp: 27791
Ion Ratio Lower Upper
149 100
167 28.6 21.8 32.6
279 4.4 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.757 min Scan# 2198

Delta R.T. 0.003 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Instrument :

BNA_F

ClientSampleId :

VNJ-206

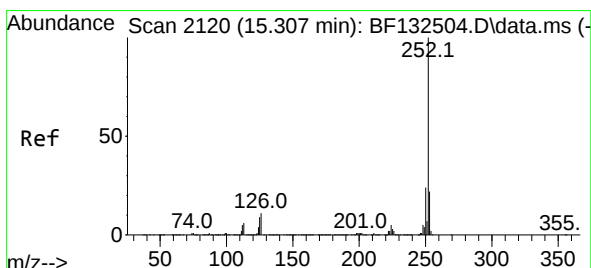
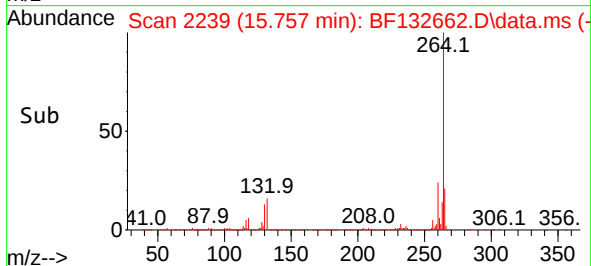
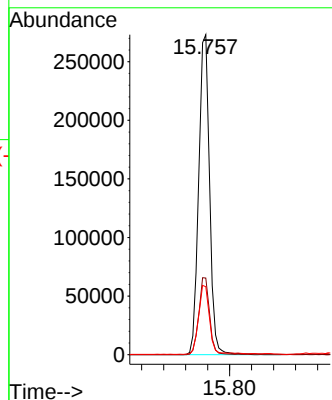
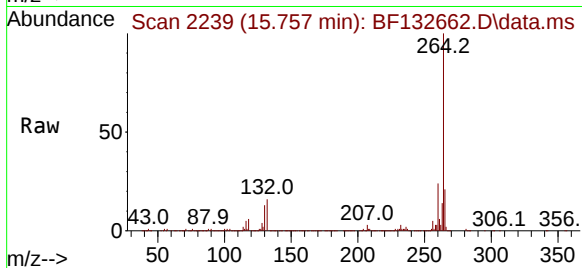
Tgt Ion:264 Resp: 376293

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.2 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.166 ng

RT: 15.286 min Scan# 2159

Delta R.T. -0.009 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

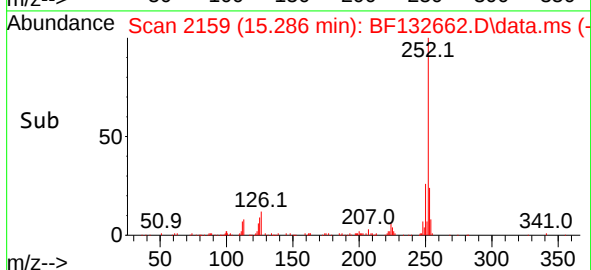
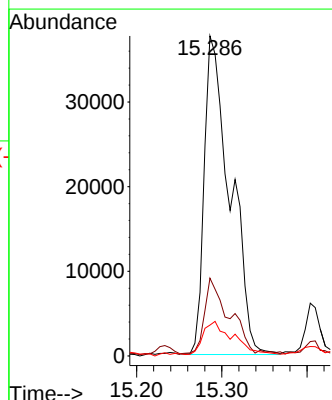
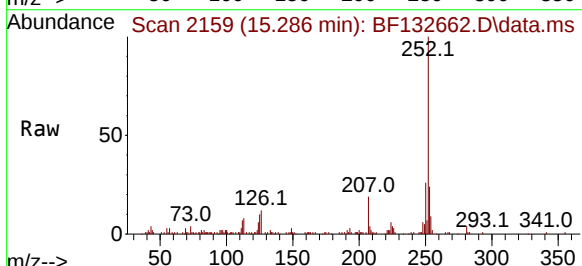
Tgt Ion:252 Resp: 79840

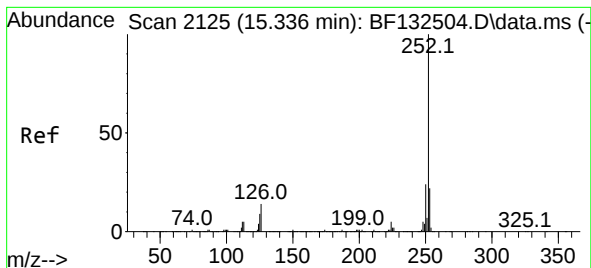
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 3.235 ng

RT: 15.286 min Scan# 2125

Delta R.T. -0.038 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Instrument :

BNA_F

ClientSampleId :

VNJ-206

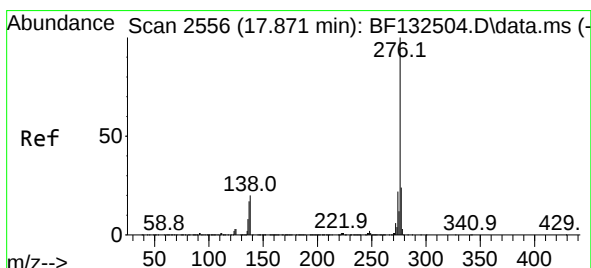
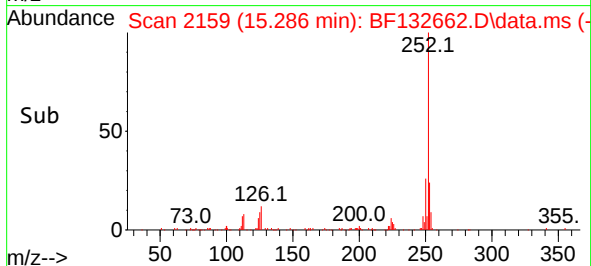
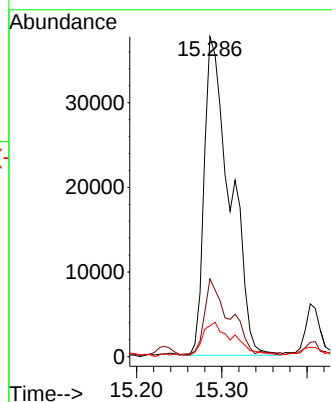
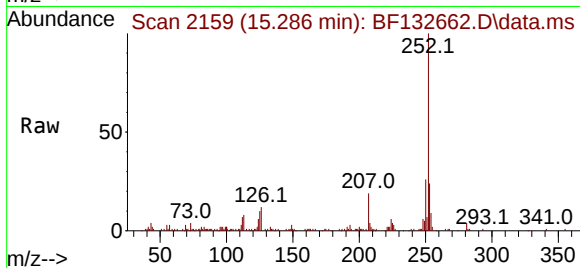
Tgt Ion:252 Resp: 79840

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 9.7 7.2 10.8



#92

Benzo(g,h,i)perylene

Concen: 2.886 ng

RT: 17.833 min Scan# 2592

Delta R.T. -0.020 min

Lab File: BF132662.D

Acq: 06 Mar 2023 22:20

Tgt Ion:276 Resp: 29888

Ion Ratio Lower Upper

276 100

277 22.7 18.9 28.3

138 25.3 16.2 24.4#

