

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135830.D
 Acq On : 18 Oct 2023 00:37
 Operator : CG\JU
 Sample : 04812-01 5X RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223RE

Quant Time: Oct 18 02:05:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

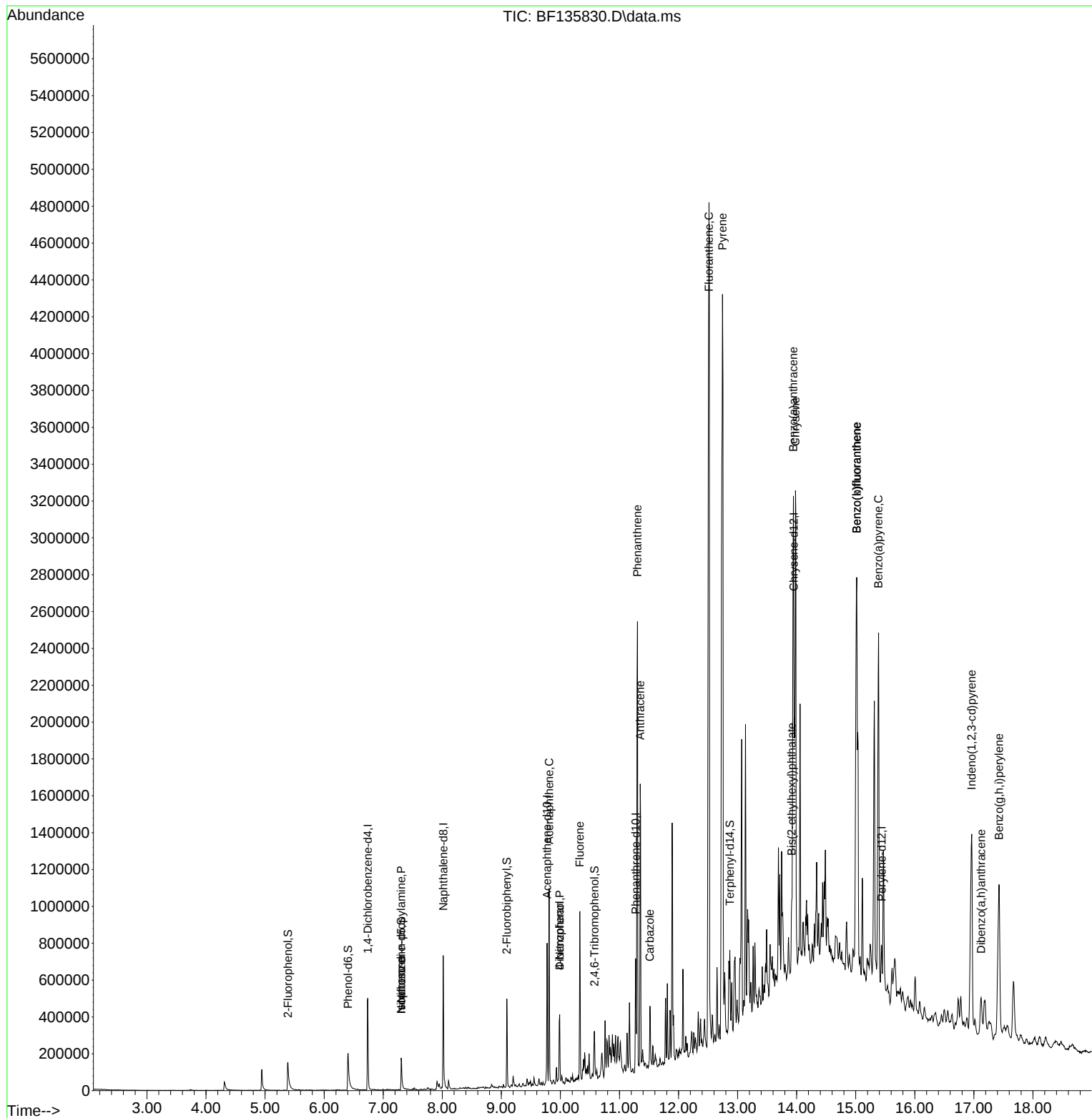
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	82424	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	294861	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	134461	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	221399	20.000	ng	0.00
76) Chrysene-d12	13.951	240	133835	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	120621	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	80174	15.639	ng	0.01
7) Phenol-d6	6.404	99	109237	17.077	ng	0.00
23) Nitrobenzene-d5	7.304	82	67800	12.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	18801	14.571	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	138519	16.107	ng	-0.01
79) Terphenyl-d14	12.869	244	137138	18.976	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	9890	2.501	ng	# 80
25) Isophorone	7.304	82	67800	6.703	ng	# 66
52) Acenaphthene	9.810	154	203764	27.674	ng	100
55) Dibenzofuran	9.986	168	144818	13.035	ng	95
56) 4-Nitrophenol	9.986	139	55182	52.369	ng	# 7
58) Fluorene	10.328	166	242685	27.903	ng	98
71) Phenanthrene	11.304	178	915603	86.328	ng	99
72) Anthracene	11.351	178	616226	56.070	ng	100
73) Carbazole	11.516	167	118884	11.598	ng	100
75) Fluoranthene	12.516	202	3036944	257.994	ng	100
78) Pyrene	12.745	202	2475618	232.775	ng	98
81) Benzo(a)anthracene	13.945	228	1361086	154.830	ng	99
83) Chrysene	13.980	228	1184815	139.151	ng	98
84) Bis(2-ethylhexyl)phtha...	13.916	149	64918	10.249	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.962	276	824090	125.387	ng	95
88) Benzo(b)fluoranthene	15.016	252	2120648	314.136	ng	98
89) Benzo(k)fluoranthene	15.016	252	2120648	323.566	ng	97
90) Benzo(a)pyrene	15.386	252	1139686	179.536	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	139148	25.826	ng	98
92) Benzo(g,h,i)perylene	17.427	276	829805	149.935	ng	97

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

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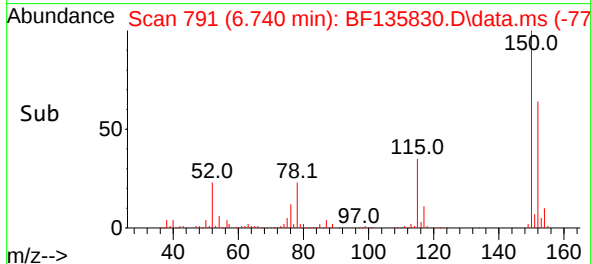
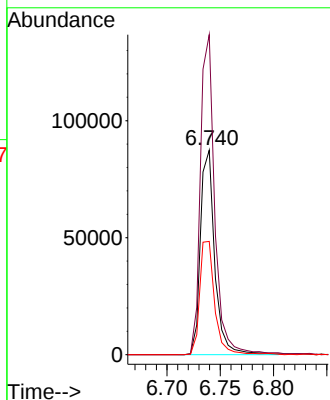
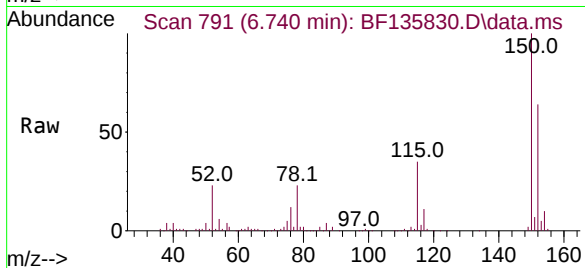




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

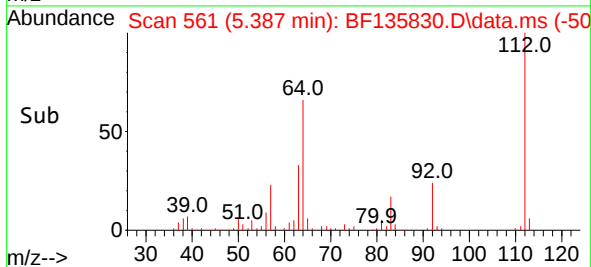
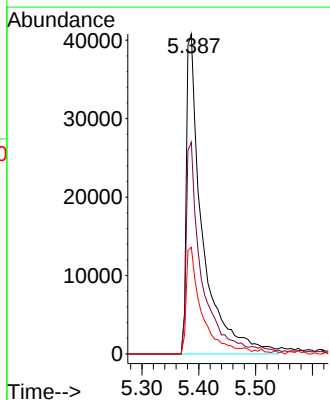
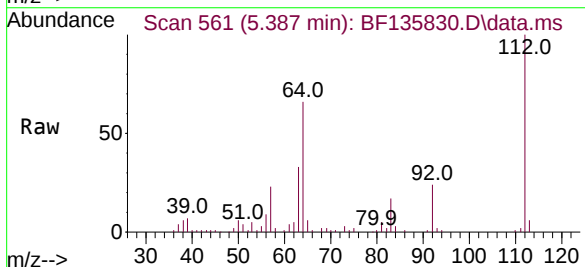
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

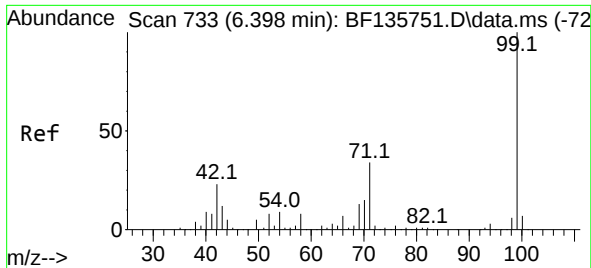
Tgt Ion:152 Resp: 82424
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 55.4 49.0 73.4



#5
2-Fluorophenol
Concen: 15.639 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:112 Resp: 80174
Ion Ratio Lower Upper
112 100
64 66.2 51.2 76.8
63 33.4 26.1 39.1

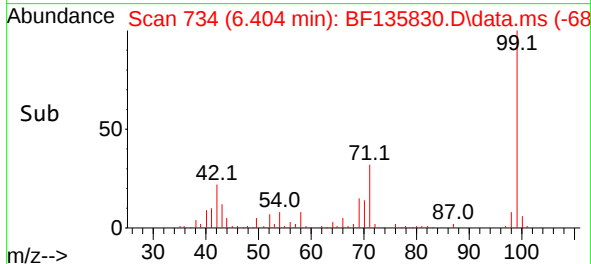
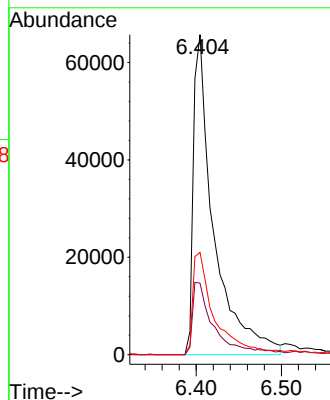
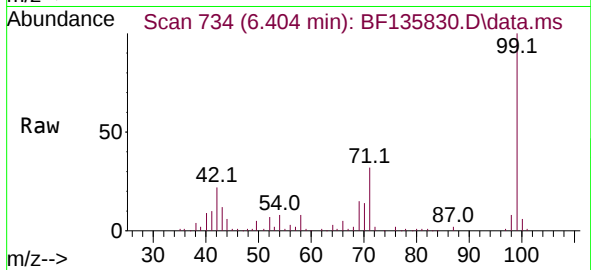




#7
Phenol-d6
Concen: 17.077 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

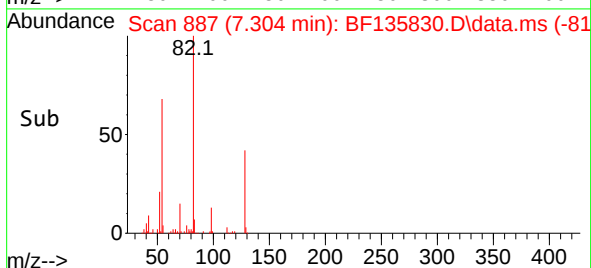
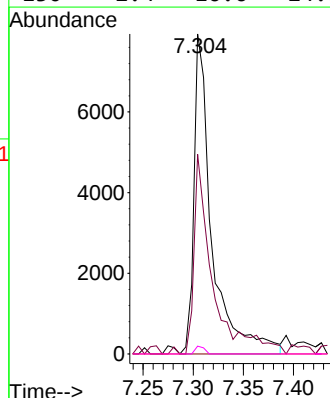
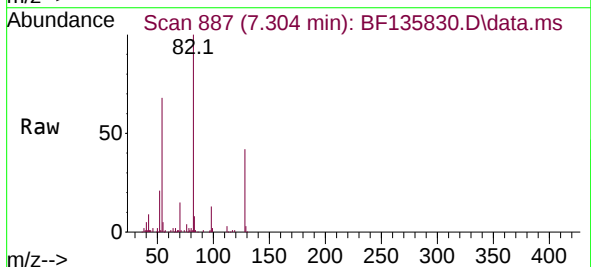
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

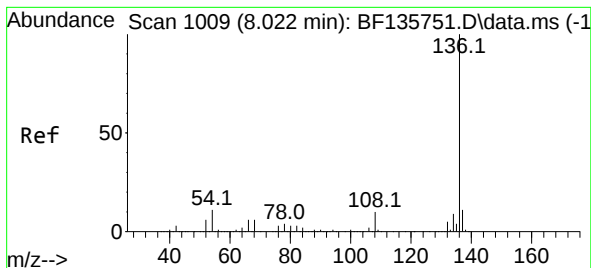
Tgt Ion: 99 Resp: 109237
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 32.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.501 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion: 70 Resp: 9890
Ion Ratio Lower Upper
70 100
42 62.4 59.8 89.6
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

Tgt Ion:136 Resp: 294861

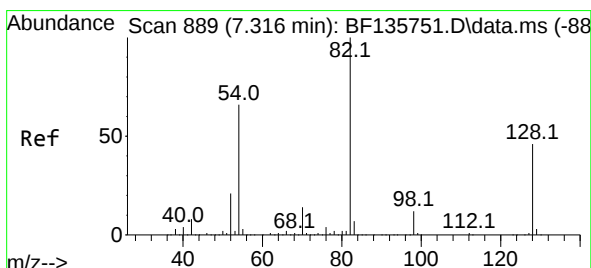
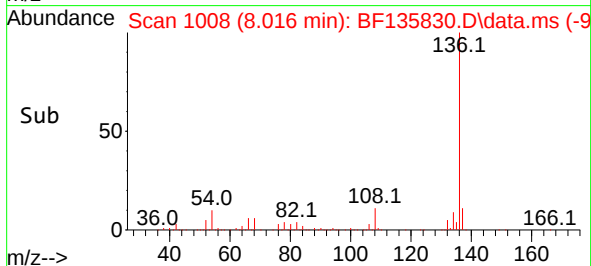
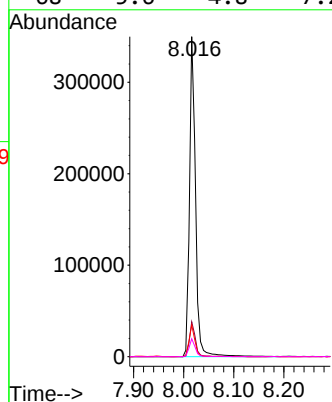
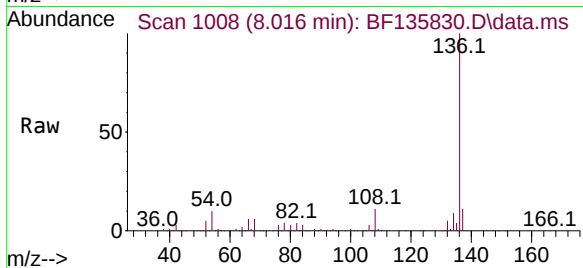
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.9 8.5 12.7

68 5.6 4.8 7.2



#23

Nitrobenzene-d5

Concen: 12.646 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

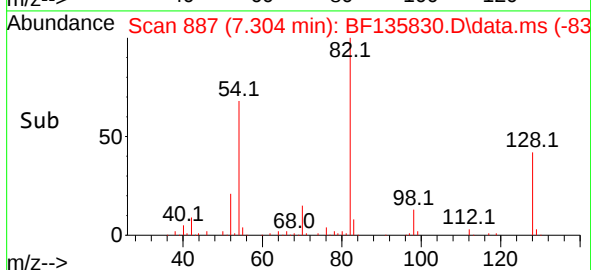
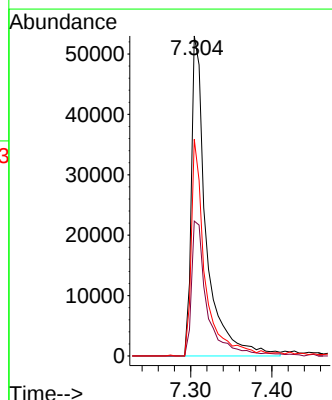
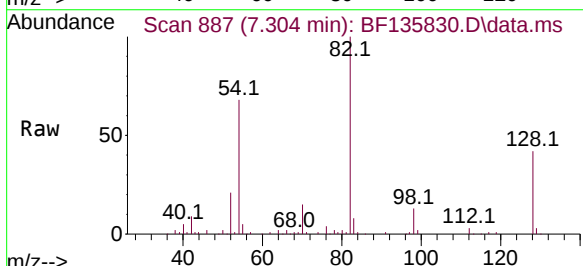
Tgt Ion: 82 Resp: 67800

Ion Ratio Lower Upper

82 100

128 42.1 37.0 55.6

54 67.7 52.8 79.2

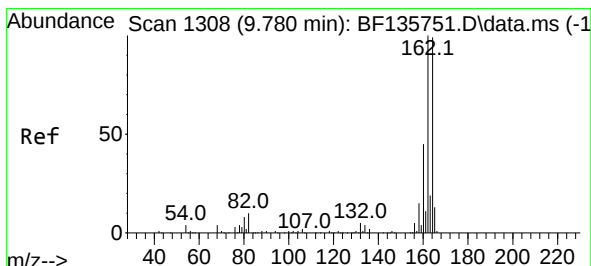
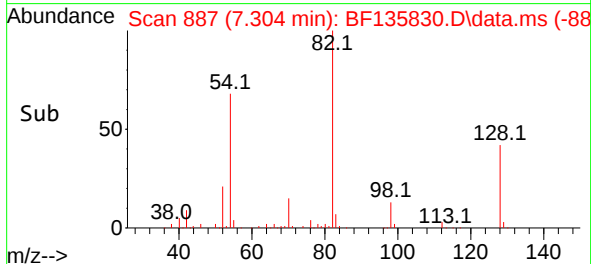
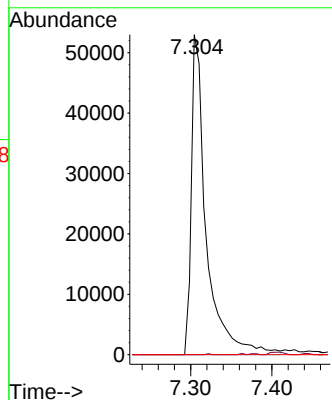
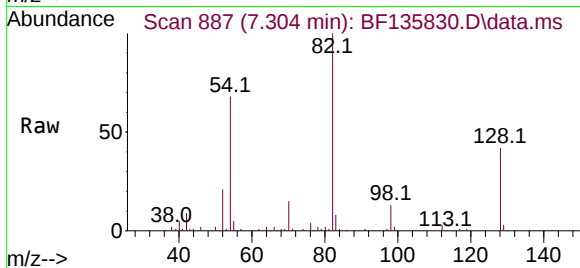




#25
Isophorone
Concen: 6.703 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

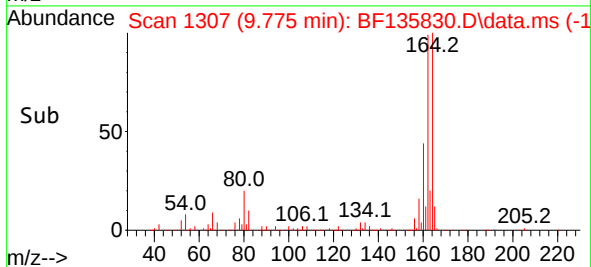
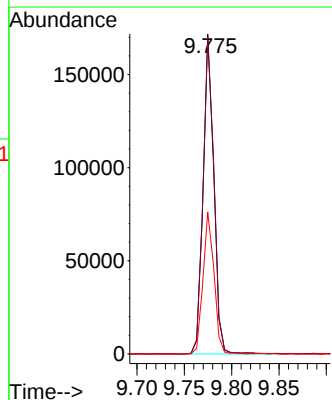
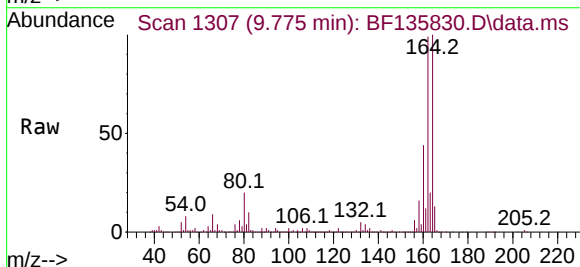
Instrument :
BNA_F
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Tgt Ion: 82 Resp: 67800
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion: 164 Resp: 134461
Ion Ratio Lower Upper
164 100
162 99.0 80.8 121.2
160 44.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 14.571 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135830.D

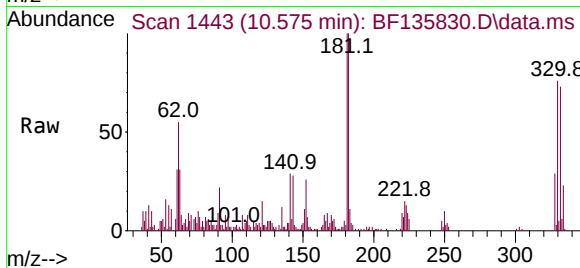
Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE



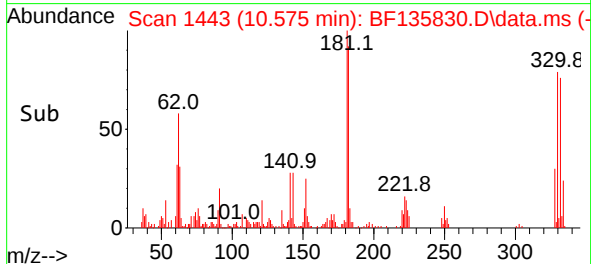
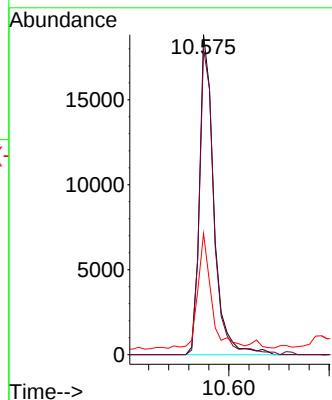
Tgt Ion:330 Resp: 18801

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.4

141 35.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 16.107 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

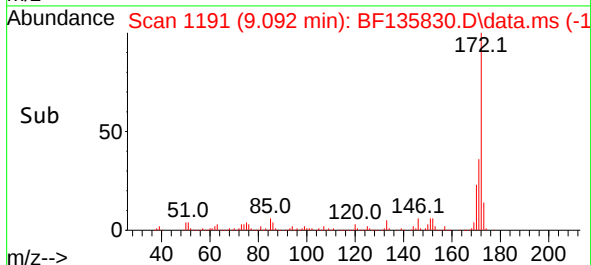
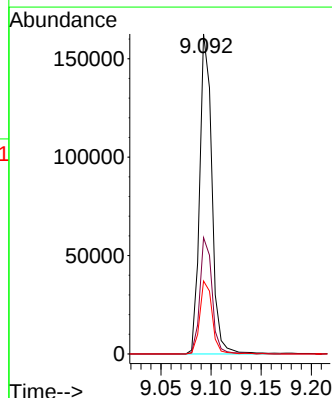
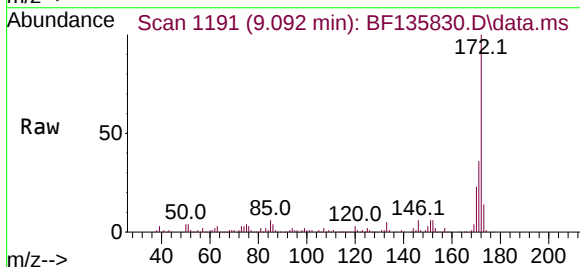
Tgt Ion:172 Resp: 138519

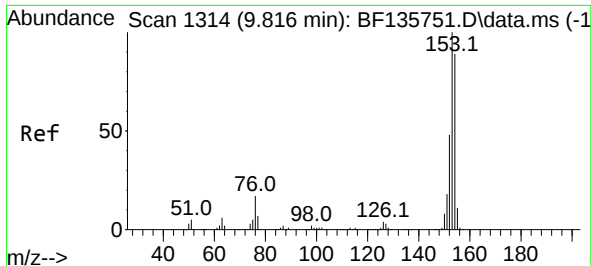
Ion Ratio Lower Upper

172 100

171 36.4 28.4 42.6

170 22.8 18.8 28.2

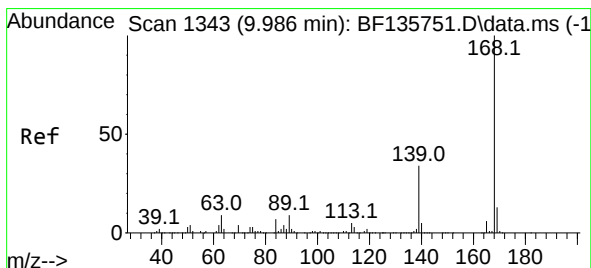
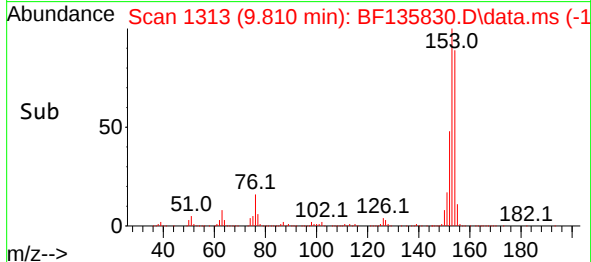
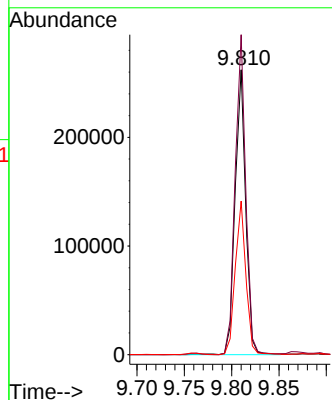
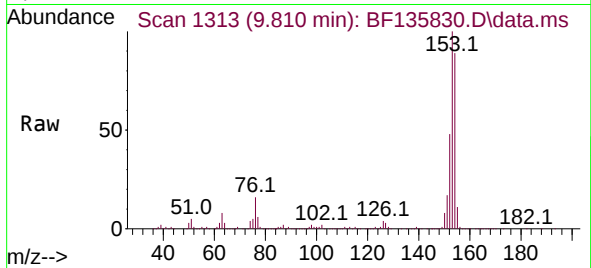




#52
Acenaphthene
Concen: 27.674 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

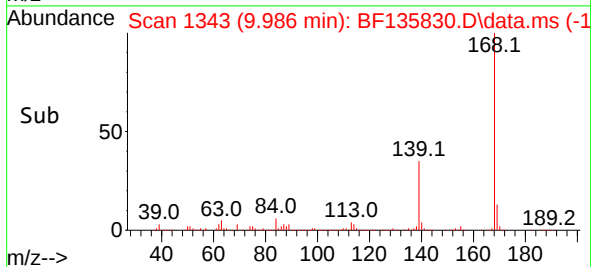
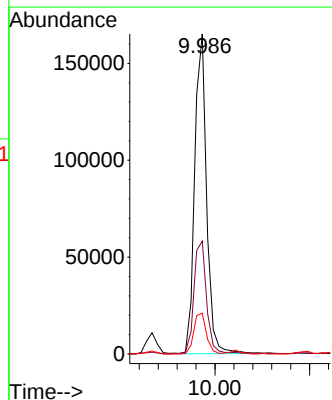
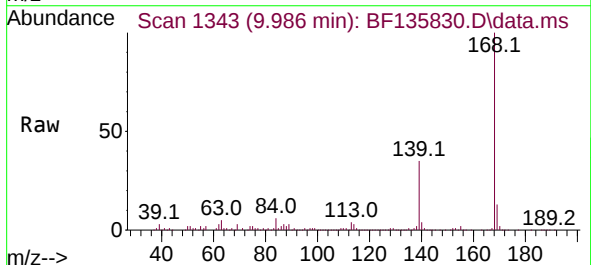
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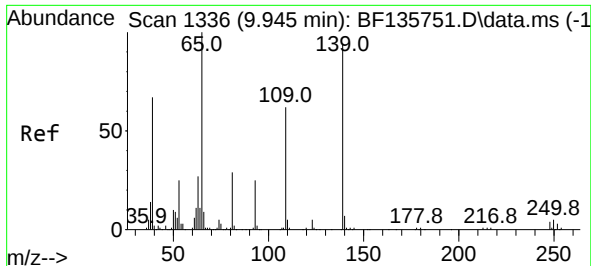
Tgt Ion:154 Resp: 203764
Ion Ratio Lower Upper
154 100
153 112.3 90.1 135.1
152 53.9 43.1 64.7



#55
Dibenzofuran
Concen: 13.035 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:168 Resp: 144818
Ion Ratio Lower Upper
168 100
139 35.3 31.0 46.4
169 12.8 10.7 16.1

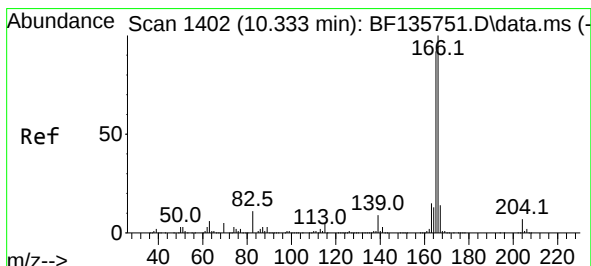
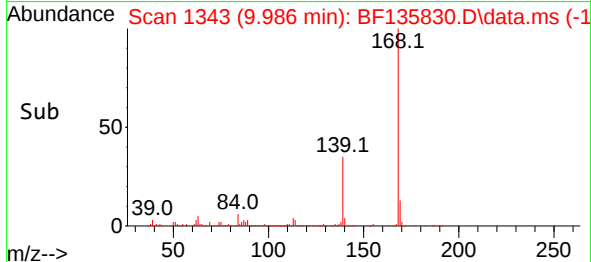
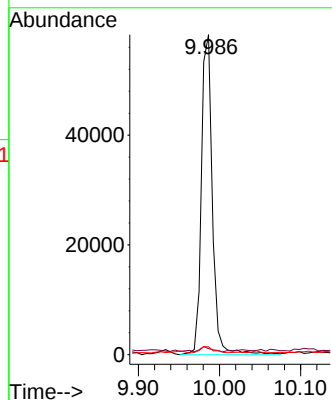
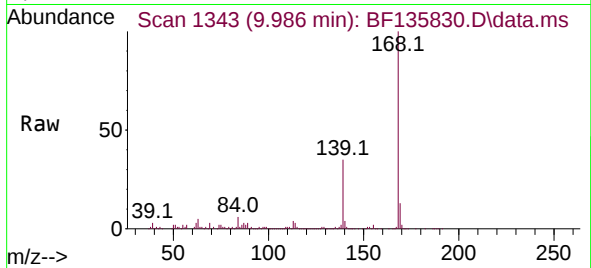




#56
4-Nitrophenol
Concen: 52.369 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

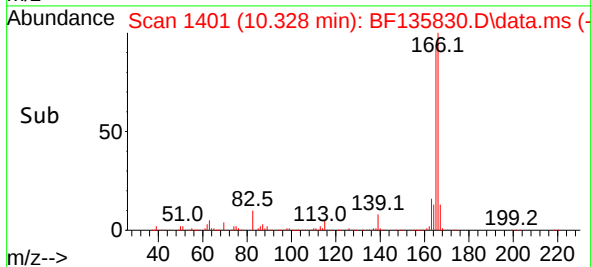
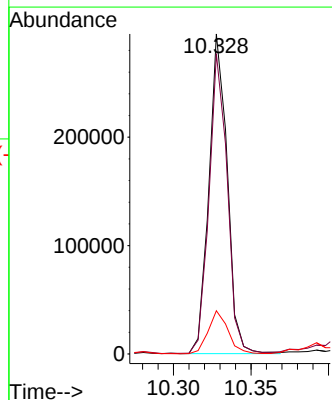
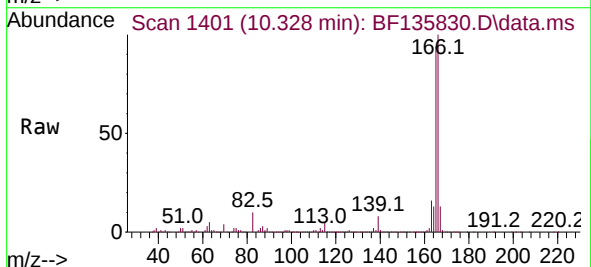
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

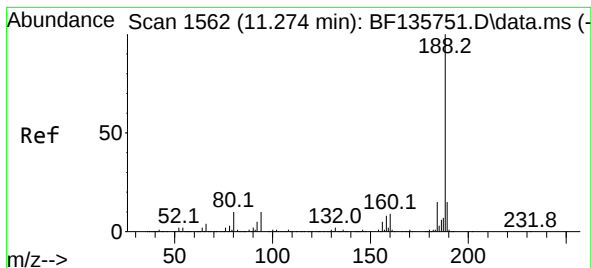
Tgt Ion:139 Resp: 55182
Ion Ratio Lower Upper
139 100
109 1.9 45.6 85.6#
65 2.4 87.5 127.5#



#58
Fluorene
Concen: 27.903 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:166 Resp: 242685
Ion Ratio Lower Upper
166 100
165 93.8 73.4 110.0
167 13.5 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

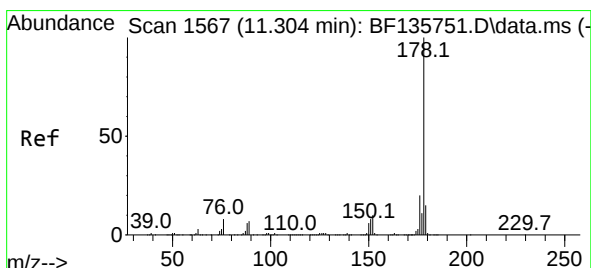
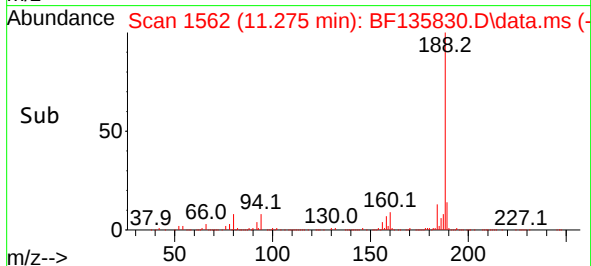
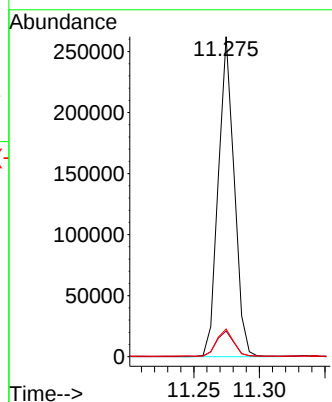
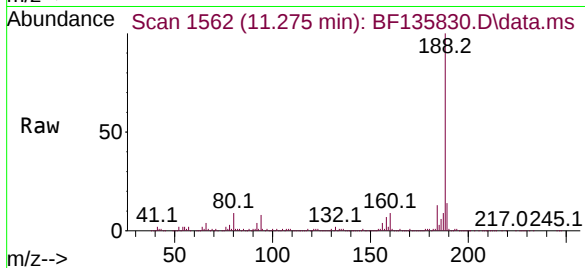
Tgt Ion:188 Resp: 221399

Ion Ratio Lower Upper

188 100

94 8.0 8.0 12.0

80 8.6 8.3 12.5



#71

Phenanthrene

Concen: 86.328 ng

RT: 11.304 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

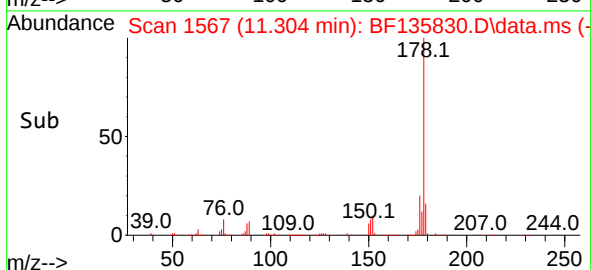
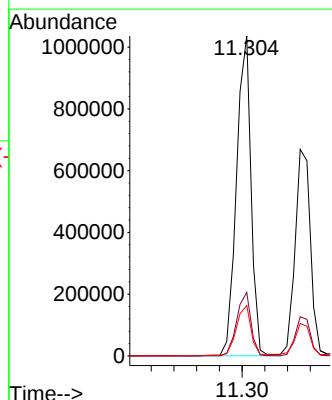
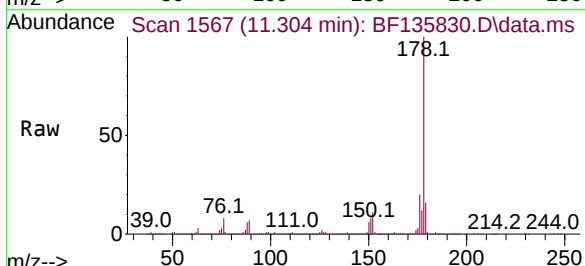
Tgt Ion:178 Resp: 915603

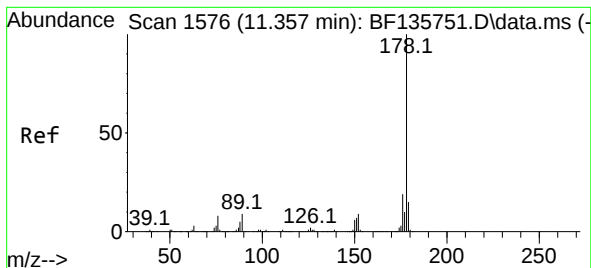
Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

179 15.7 12.2 18.4





#72

Anthracene

Concen: 56.070 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

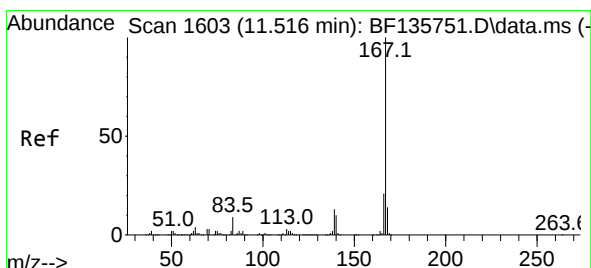
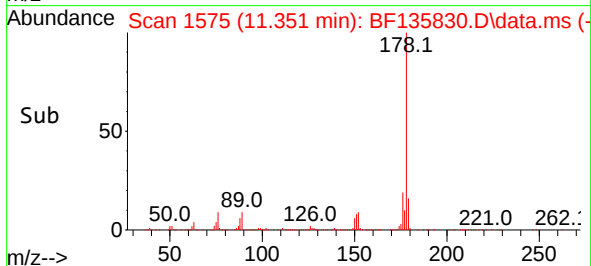
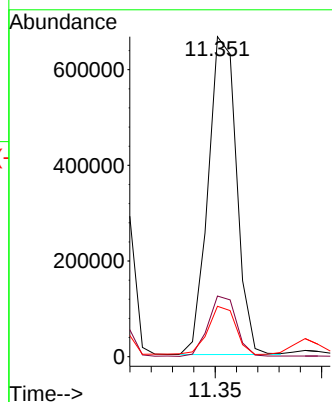
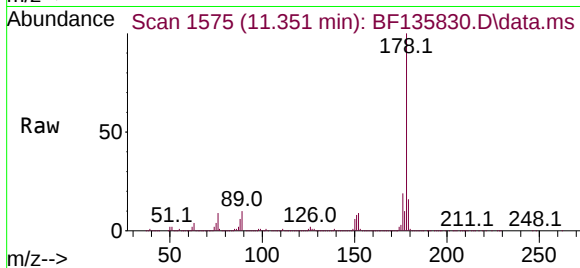
Tgt Ion:178 Resp: 616226

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.8 12.3 18.5



#73

Carbazole

Concen: 11.598 ng

RT: 11.516 min Scan# 1603

Delta R.T. -0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

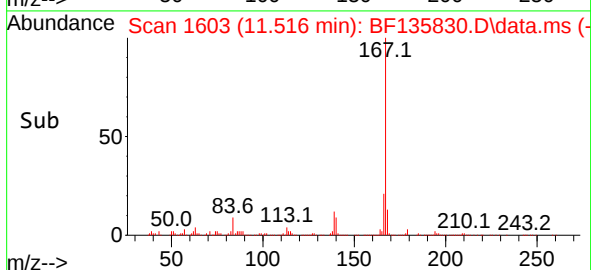
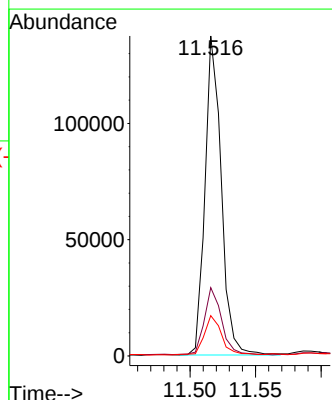
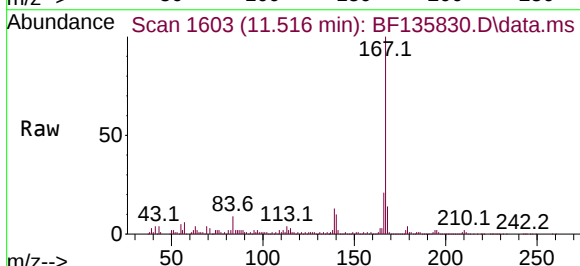
Tgt Ion:167 Resp: 118884

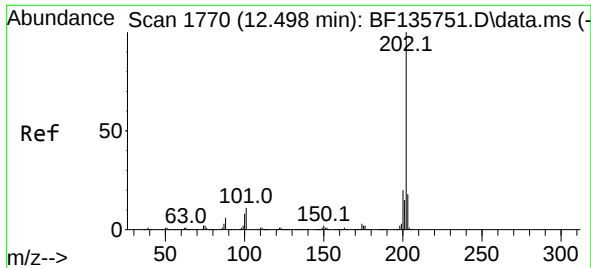
Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

139 12.6 10.2 15.4

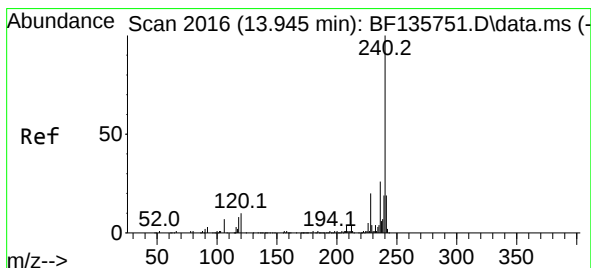
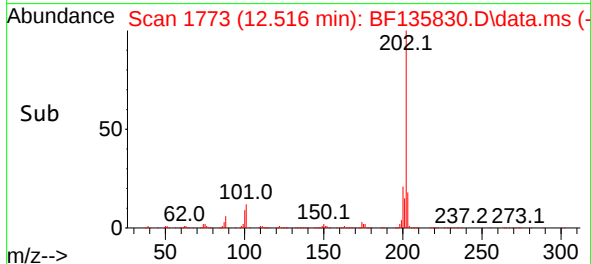
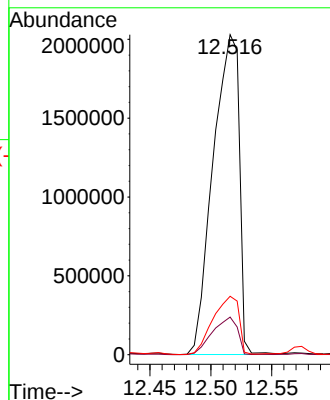
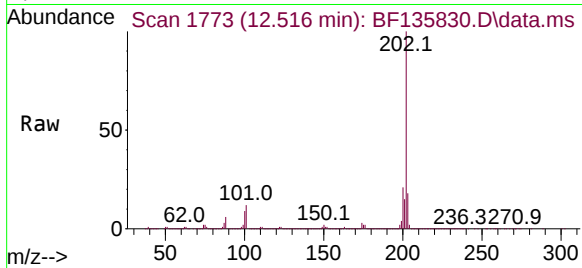




#75
Fluoranthene
Concen: 257.994 ng
RT: 12.516 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

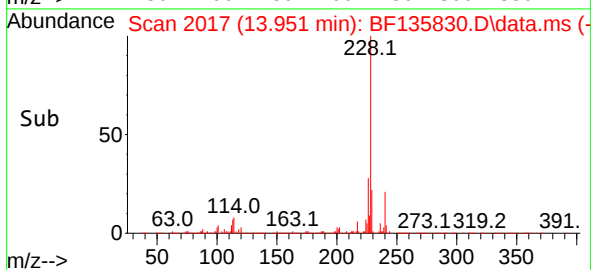
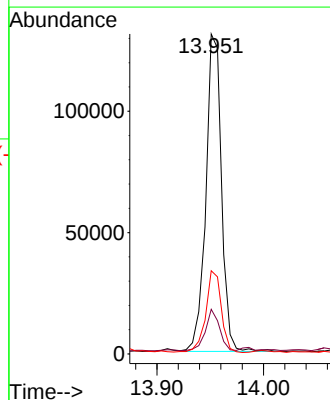
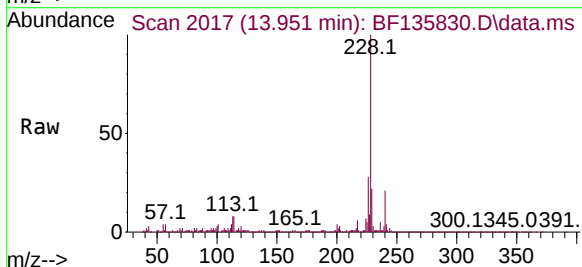
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

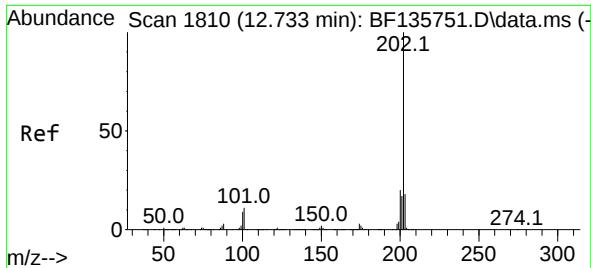
Tgt Ion:202 Resp: 3036944
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.5
203 18.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:240 Resp: 133835
Ion Ratio Lower Upper
240 100
120 14.0 8.2 12.2#
236 26.0 21.2 31.8

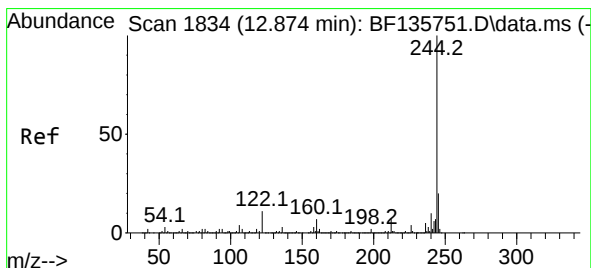
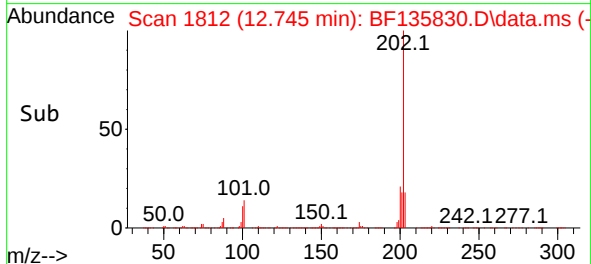
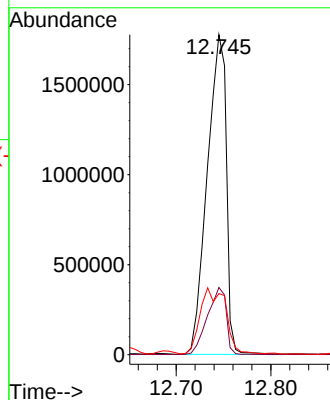
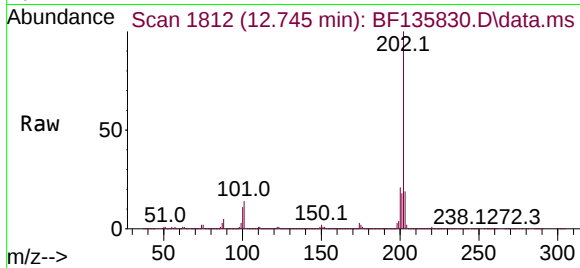




#78
Pyrene
Concen: 232.775 ng
RT: 12.745 min Scan# 1810
Delta R.T. 0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

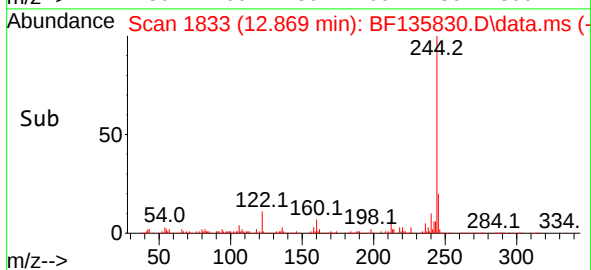
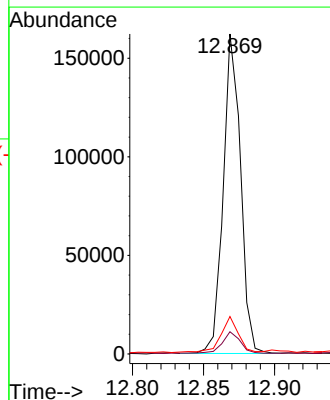
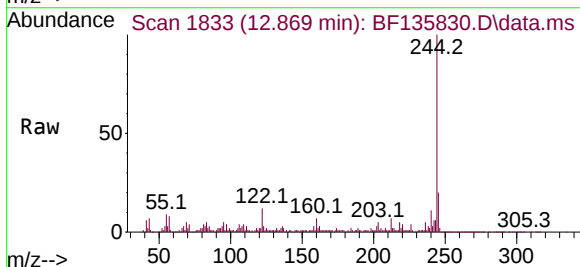
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

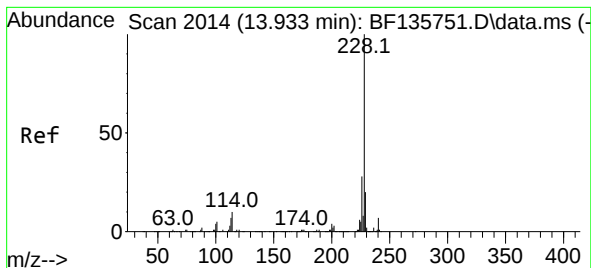
Tgt Ion:202 Resp: 2475618
Ion Ratio Lower Upper
202 100
200 21.0 16.1 24.1
203 19.1 14.2 21.2



#79
Terphenyl-d14
Concen: 18.976 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:244 Resp: 137138
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.7 9.0 13.6





#81

Benzo(a)anthracene

Concen: 154.830 ng

RT: 13.945 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

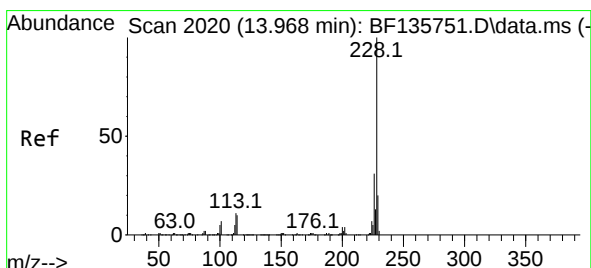
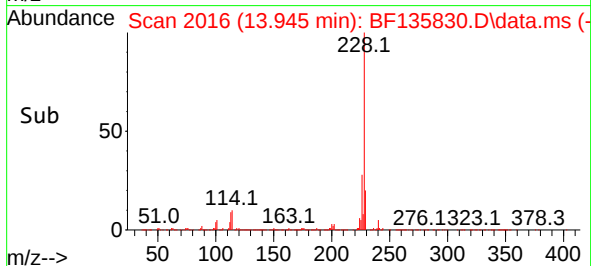
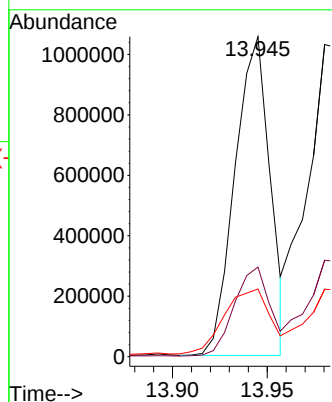
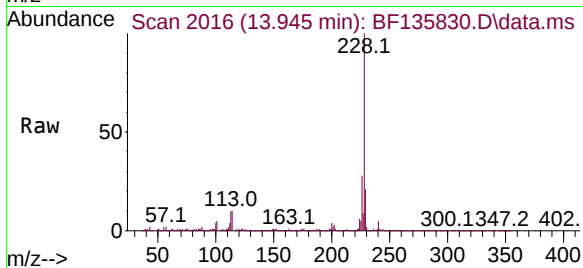
Tgt Ion:228 Resp: 1361086

Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.2

229 21.1 16.1 24.1



#83

Chrysene

Concen: 139.151 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

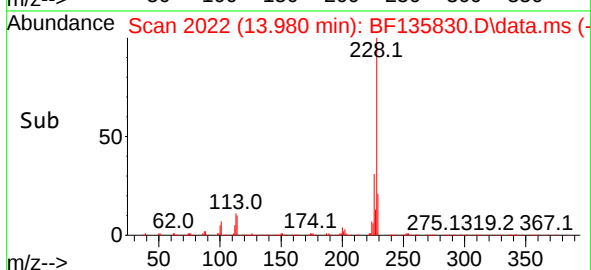
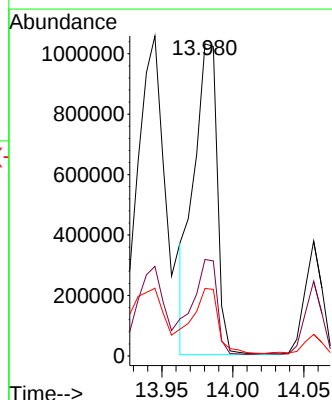
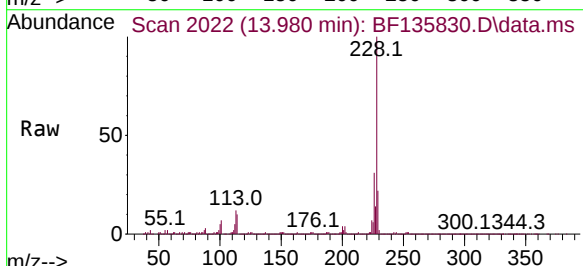
Tgt Ion:228 Resp: 1184815

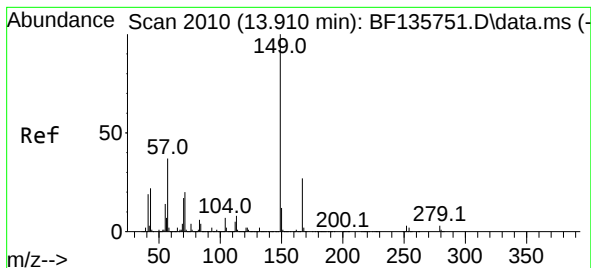
Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.6 15.7 23.5

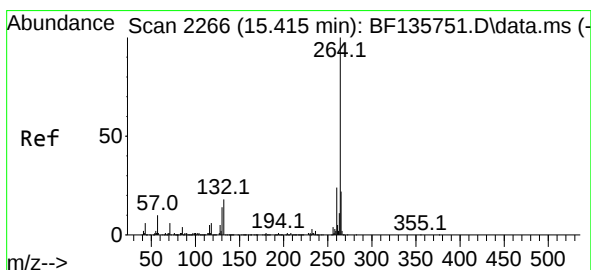
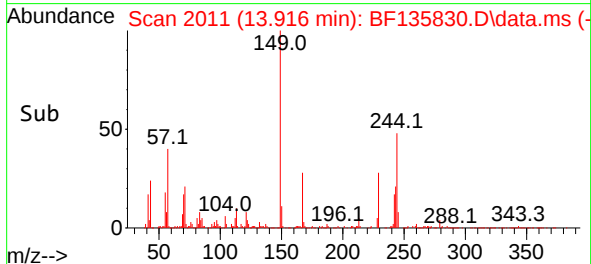
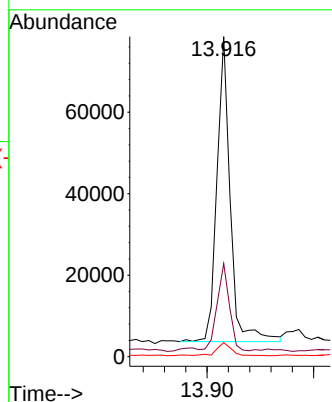
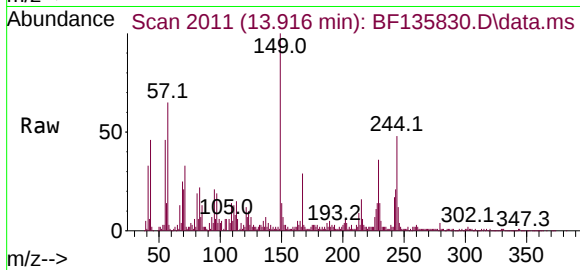




#84
Bis(2-ethylhexyl)phthalate
Concen: 10.249 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

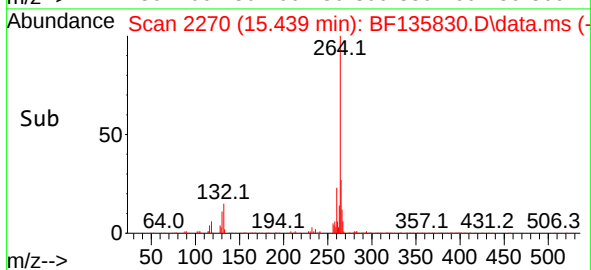
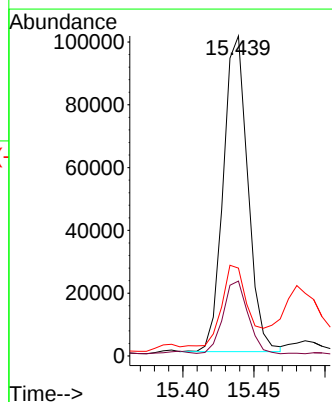
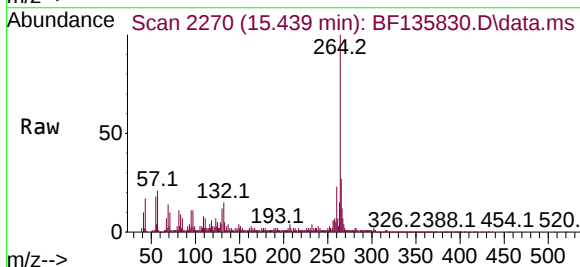
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

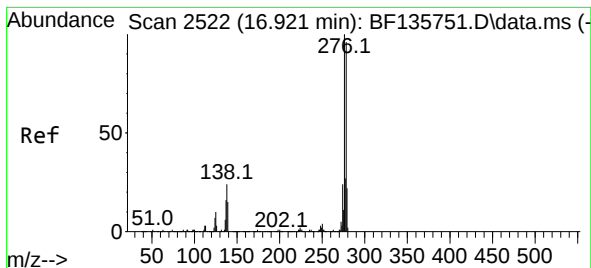
Tgt Ion:149 Resp: 64918
Ion Ratio Lower Upper
149 100
167 29.1 21.3 31.9
279 4.4 2.7 4.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.018 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:264 Resp: 120621
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 27.5 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 125.387 ng

RT: 16.962 min Scan# 2198

Delta R.T. 0.029 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNA_F

ClientSampleId :

VNJ-223RE

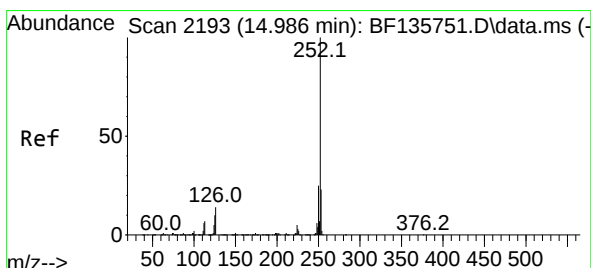
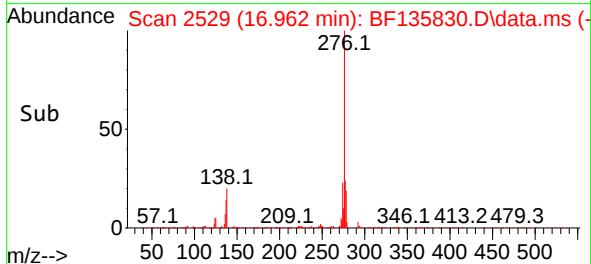
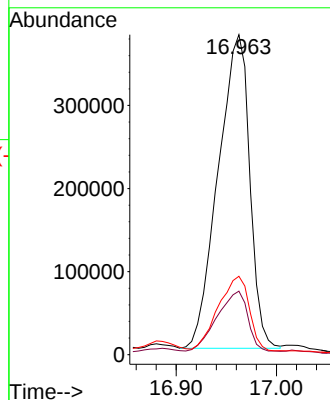
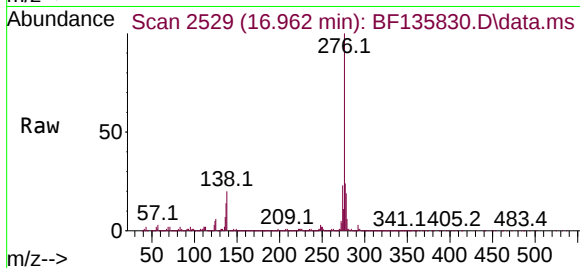
Tgt Ion:276 Resp: 824090

Ion Ratio Lower Upper

276 100

138 20.1 19.8 29.6

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 314.136 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.024 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

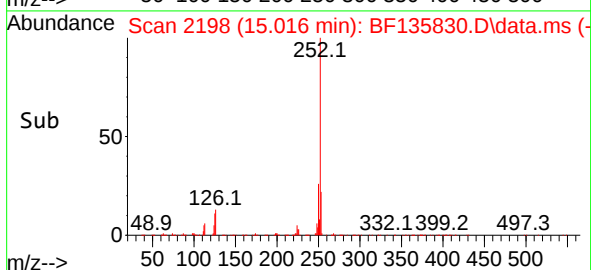
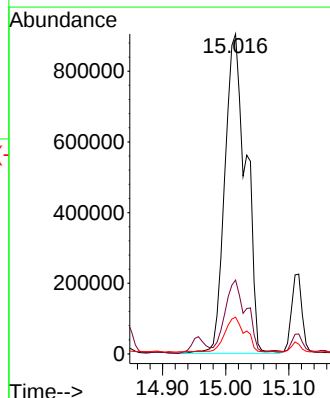
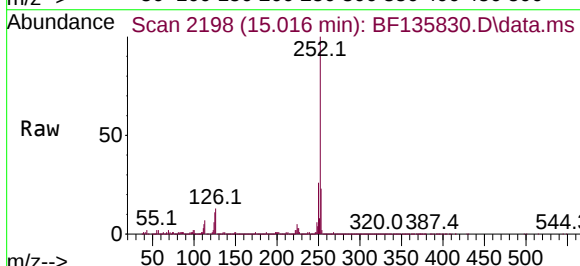
Tgt Ion:252 Resp: 2120648

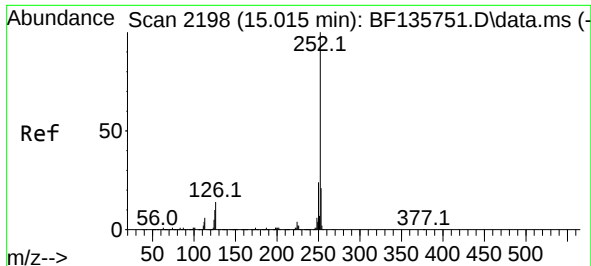
Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

125 11.5 8.2 12.2

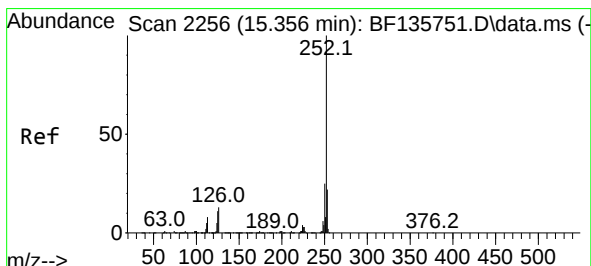
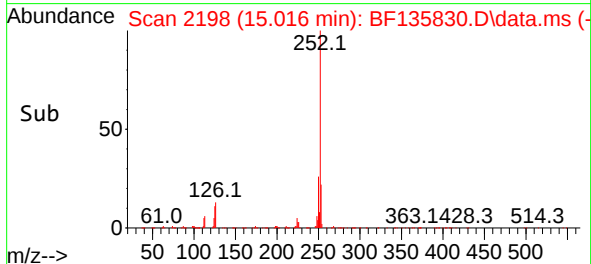
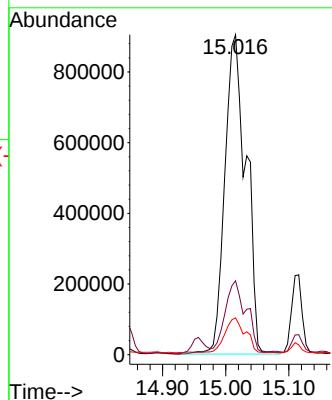
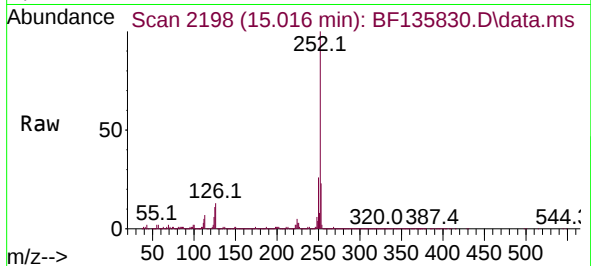




#89
Benzo(k)fluoranthene
Concen: 323.566 ng
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

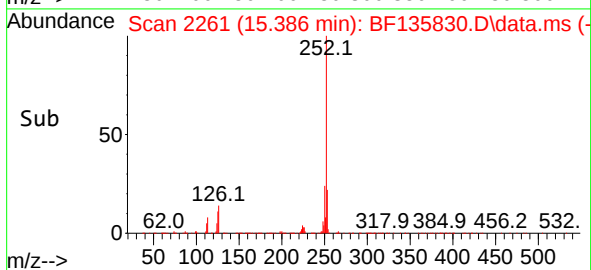
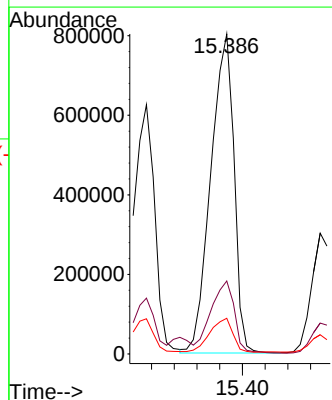
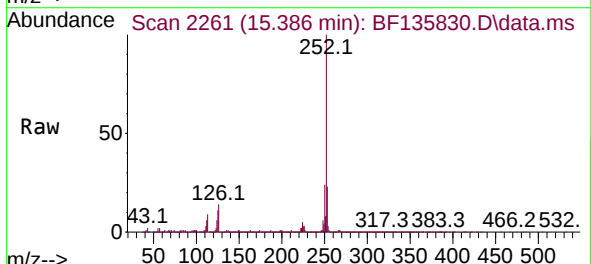
Instrument :
BNA_F
ClientSampleId :
VNJ-223RE

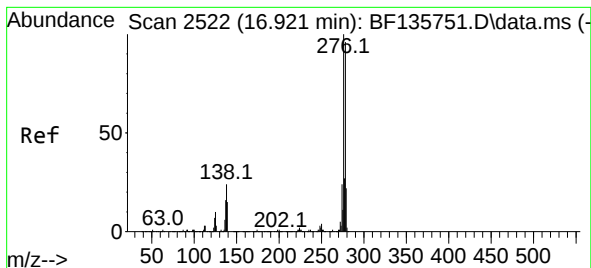
Tgt Ion:252 Resp: 2120648
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 179.536 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.024 min
Lab File: BF135830.D
Acq: 18 Oct 2023 00:37

Tgt Ion:252 Resp: 1139686
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 25.826 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.182 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Instrument :

BNF

ClientSampleId :

VNJ-223RE

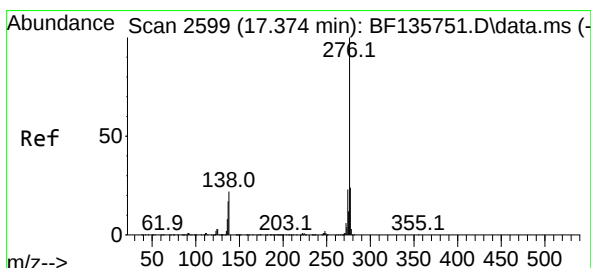
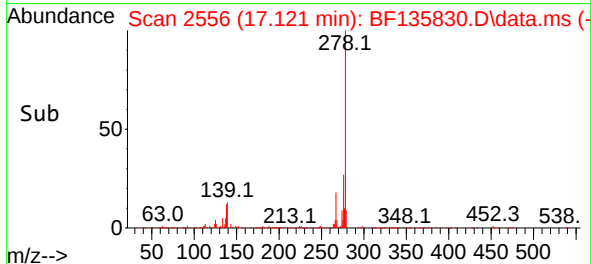
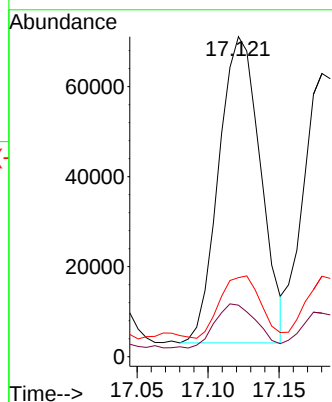
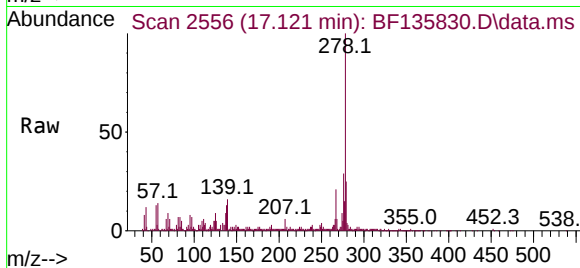
Tgt Ion:278 Resp: 139148

Ion Ratio Lower Upper

278 100

139 16.1 12.5 18.7

279 24.7 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 149.935 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.041 min

Lab File: BF135830.D

Acq: 18 Oct 2023 00:37

Tgt Ion:276 Resp: 829805

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.2

138 20.3 17.3 25.9

