

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135745.D
 Acq On : 12 Oct 2023 20:36
 Operator : CG\JU
 Sample : 04812-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Quant Time: Oct 13 00:58:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

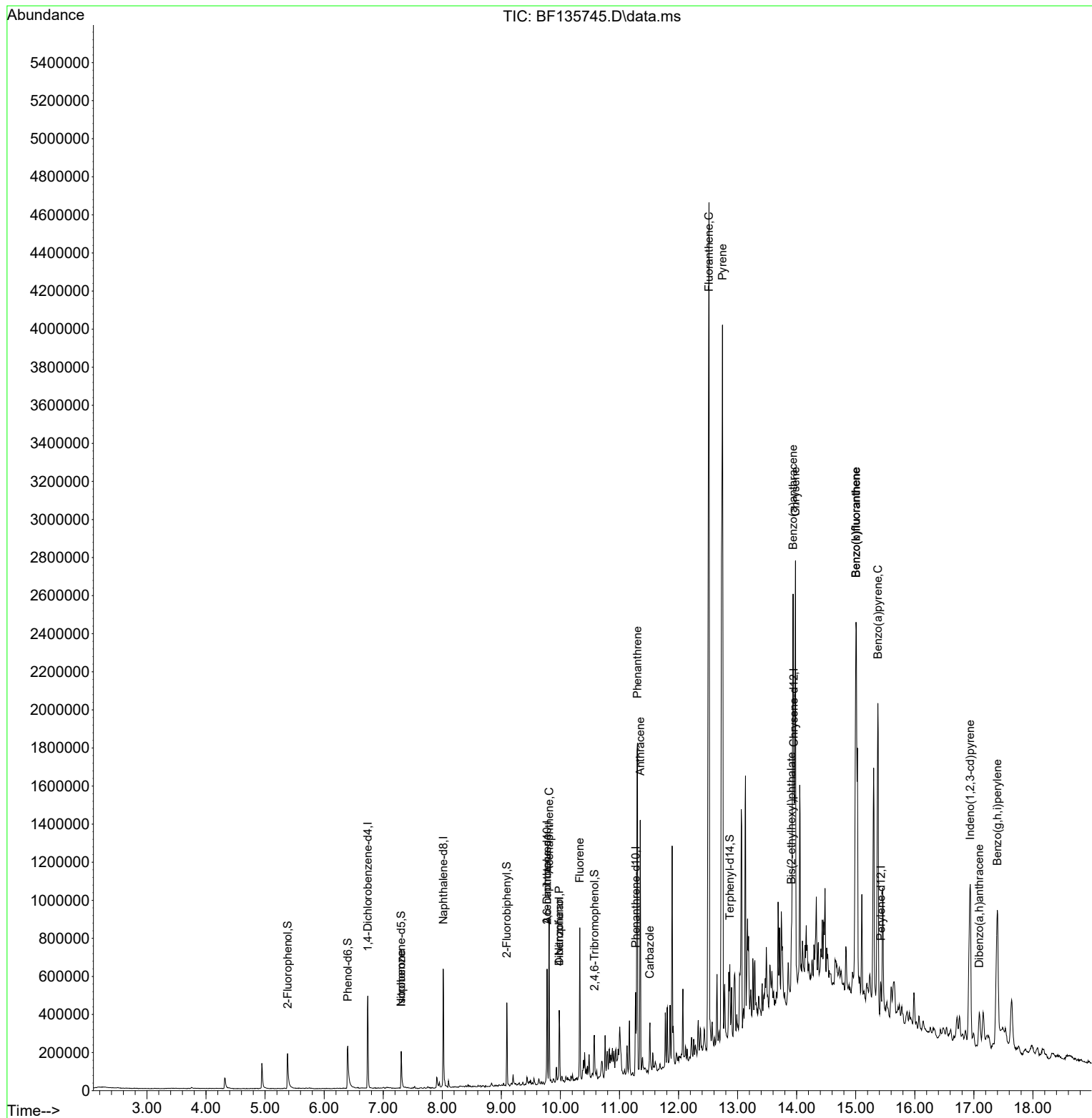
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	73705	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	256027	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	107643	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	163738	20.000	ng	0.00
76) Chrysene-d12	13.951	240	105130	20.000	ng	0.01
86) Perylene-d12	15.427	264	90426	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	75120	16.577	ng	0.01
7) Phenol-d6	6.398	99	113321	19.666	ng	0.00
23) Nitrobenzene-d5	7.304	82	66045	14.015	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	17363	16.231	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	127118	17.817	ng	0.00
79) Terphenyl-d14	12.869	244	119057	17.556	ng	0.00
Target Compounds						
25) Isophorone	7.304	82	66045	7.632	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	16135	10.120	ng	# 17
52) Acenaphthene	9.810	154	164117	27.851	ng	97
55) Dibenzofuran	9.981	168	132397	14.724	ng	96
56) 4-Nitrophenol	9.981	139	49750	41.827	ng	# 4
58) Fluorene	10.328	166	209779	30.347	ng	99
71) Phenanthrene	11.304	178	716010	92.459	ng	99
72) Anthracene	11.351	178	469530	58.985	ng	99
73) Carbazole	11.516	167	89975	12.417	ng	98
75) Fluoranthene	12.516	202	2693935	333.851	ng	98
78) Pyrene	12.745	202	2199771	219.775	ng	98
81) Benzo(a)anthracene	13.939	228	1169193	172.231	ng	98
83) Chrysene	13.980	228	975239	144.494	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	52162	14.424	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	682149	115.054	ng	94
88) Benzo(b)fluoranthene	15.004	252	1897259	387.584	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	1897259	392.363	ng	# 97
90) Benzo(a)pyrene	15.374	252	959122	205.462	ng	98
91) Dibenzo(a,h)anthracene	17.092	278	114283	23.558	ng	99
92) Benzo(g,h,i)perylene	17.398	276	726379	143.372	ng	97

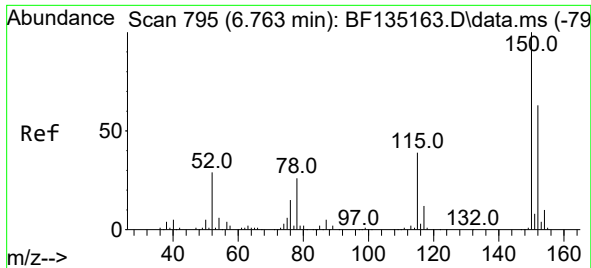
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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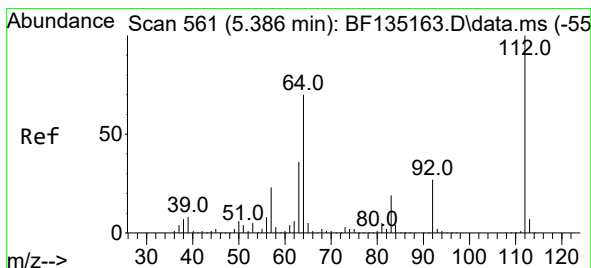
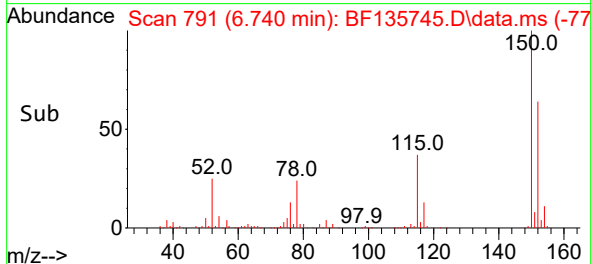
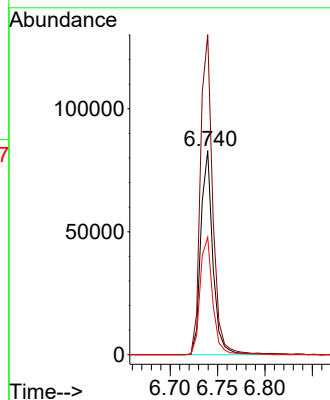
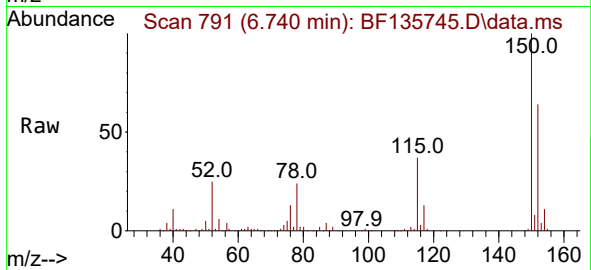




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

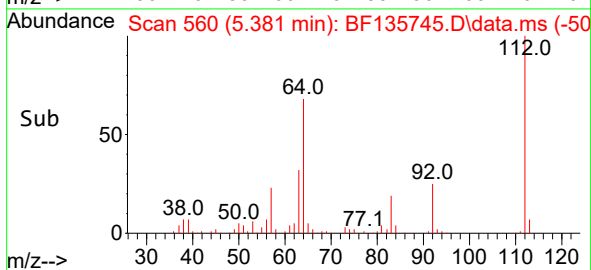
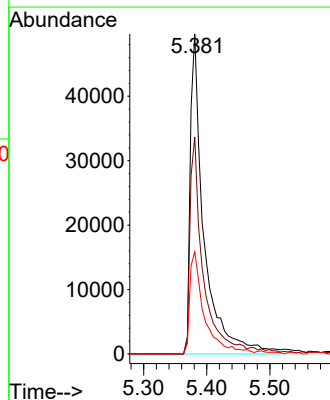
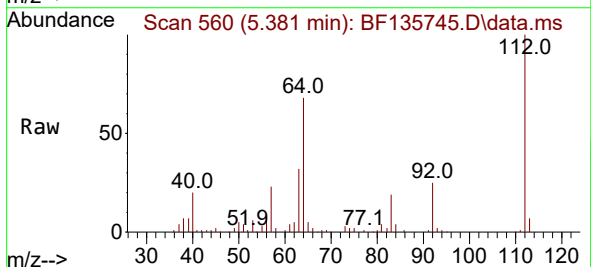
Instrument :
BNA_F
ClientSampleId :
VNJ-223

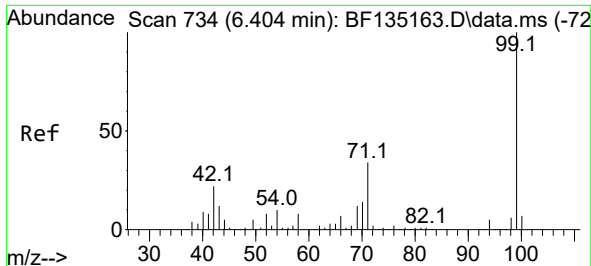
Tgt Ion:152 Resp: 73705
Ion Ratio Lower Upper
152 100
150 156.9 127.8 191.6
115 57.6 49.8 74.8



#5
2-Fluorophenol
Concen: 16.577 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:112 Resp: 75120
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 31.9 29.0 43.6

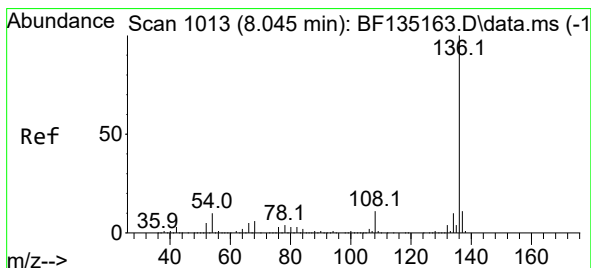
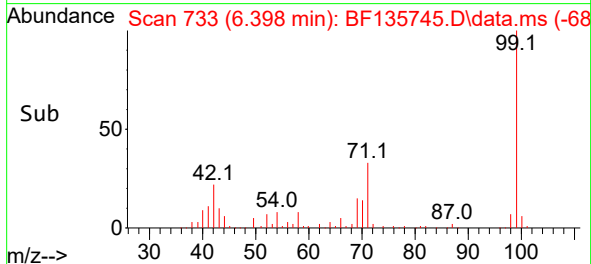
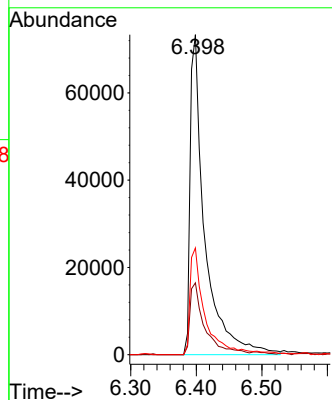
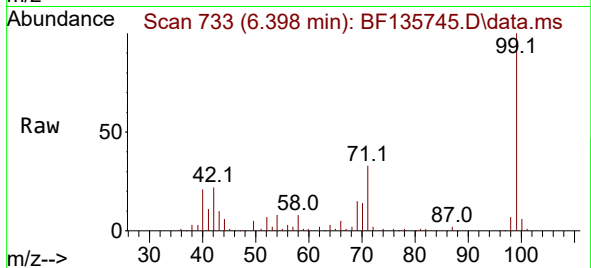




#7
Phenol-d6
Concen: 19.666 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

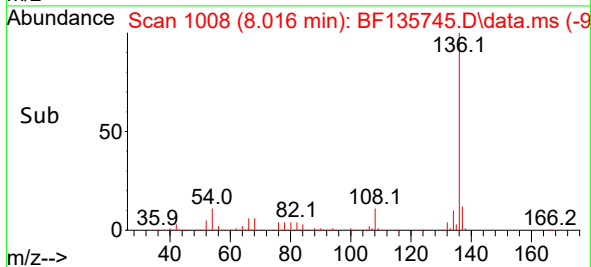
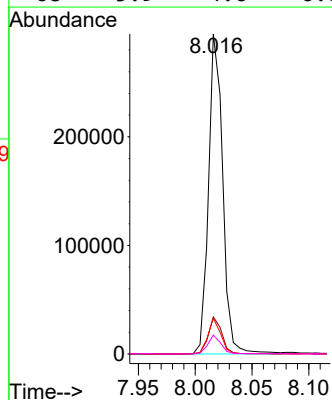
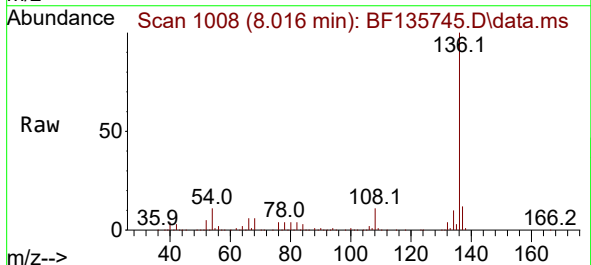
Instrument :
BNA_F
ClientSampleId :
VNJ-223

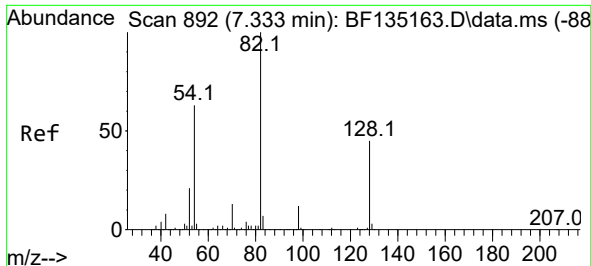
Tgt Ion: 99 Resp: 113321
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 33.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:136 Resp: 256027
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 11.1 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 14.015 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

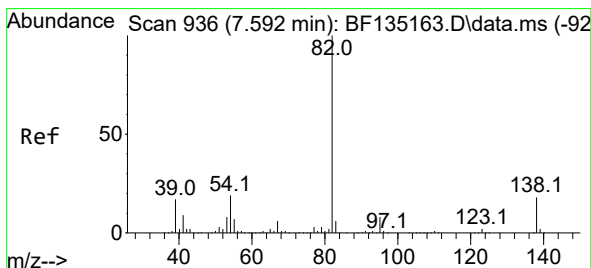
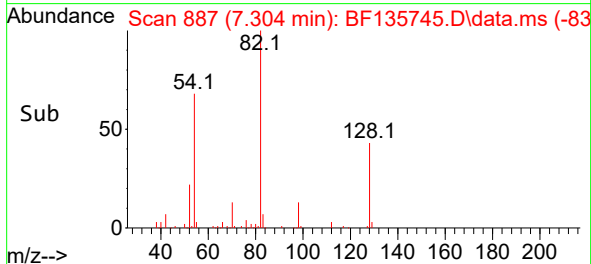
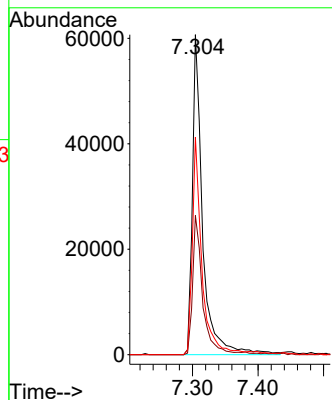
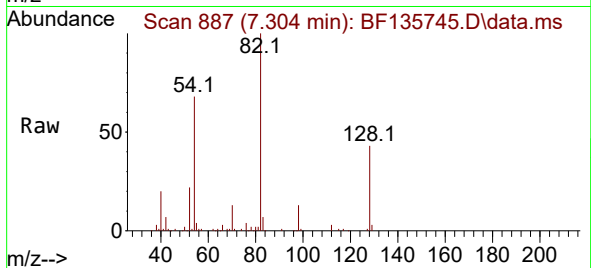
Tgt Ion: 82 Resp: 66045

Ion Ratio Lower Upper

82 100

128 43.5 35.8 53.6

54 68.0 50.6 76.0



#25

Isophorone

Concen: 7.632 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

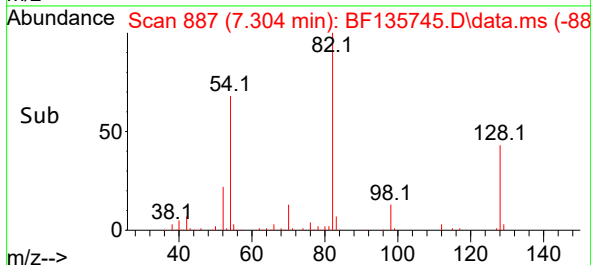
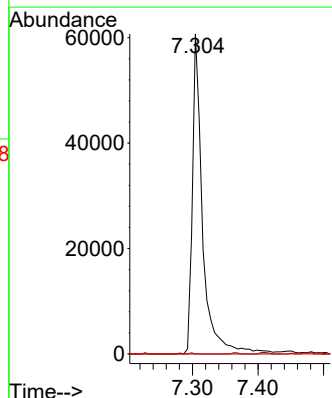
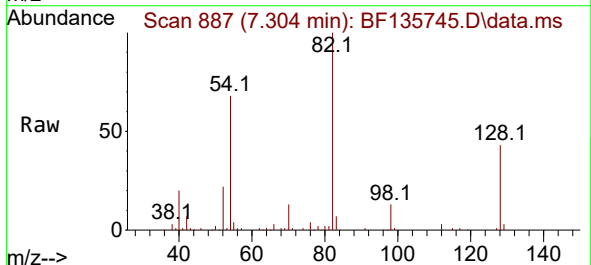
Tgt Ion: 82 Resp: 66045

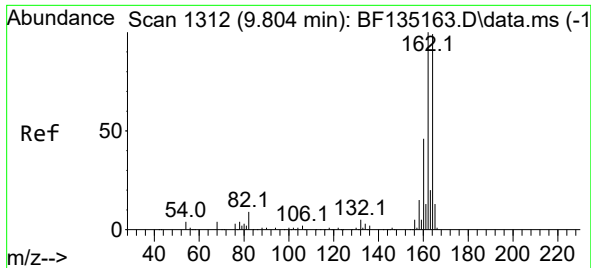
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

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ClientSampleId :

VNJ-223

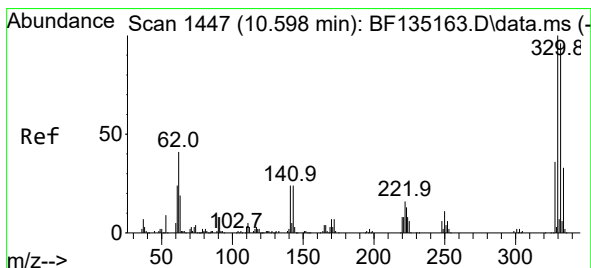
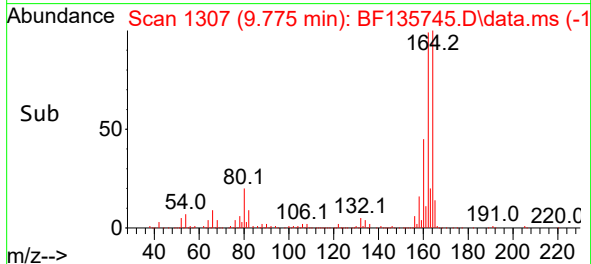
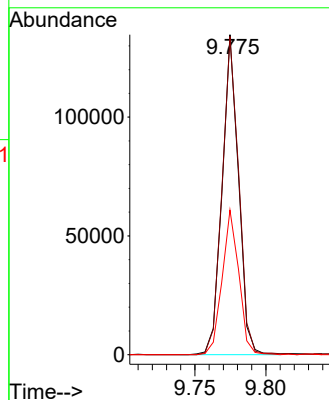
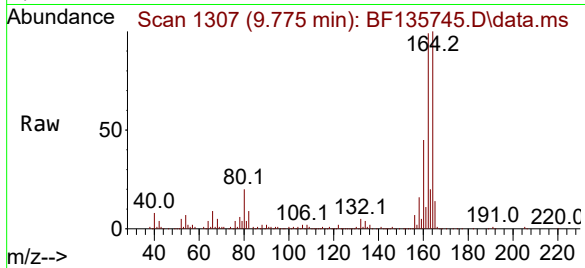
Tgt Ion:164 Resp: 107643

Ion Ratio Lower Upper

164 100

162 99.4 81.0 121.4

160 45.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 16.231 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

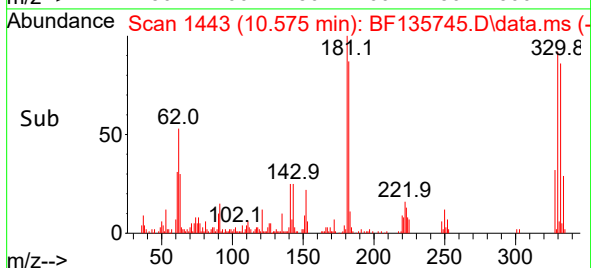
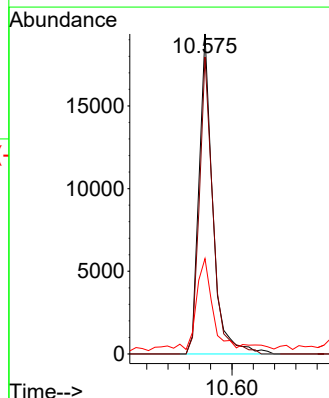
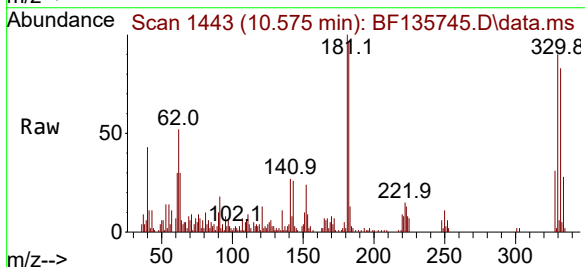
Tgt Ion:330 Resp: 17363

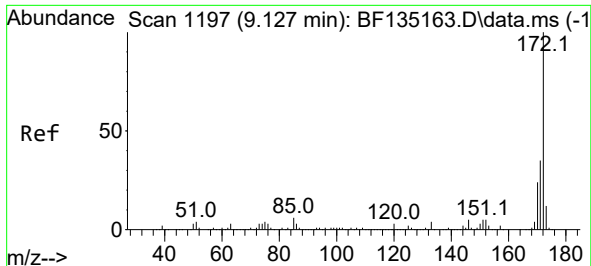
Ion Ratio Lower Upper

330 100

332 92.4 77.3 115.9

141 34.5 25.8 38.8

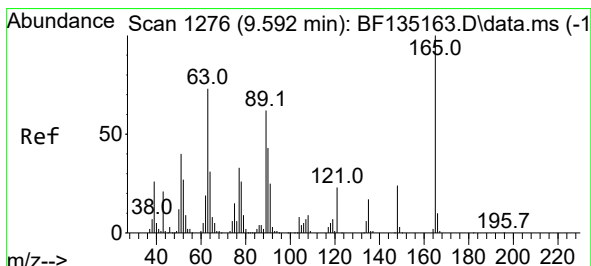
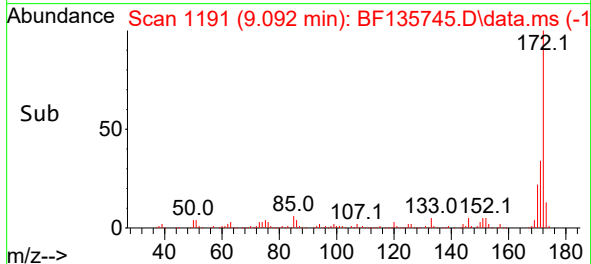
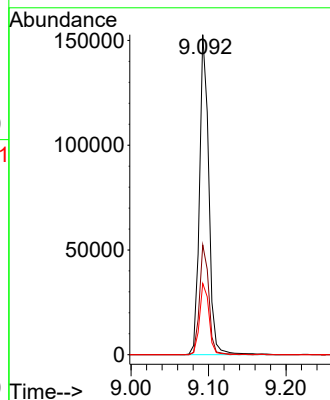
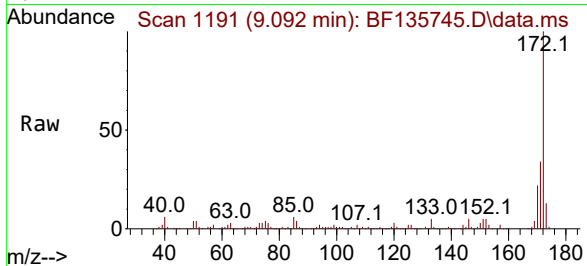




#45
2-Fluorobiphenyl
Concen: 17.817 ng
RT: 9.092 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

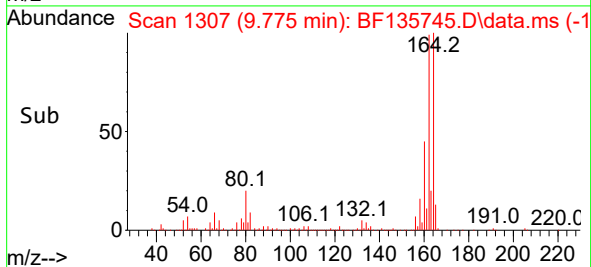
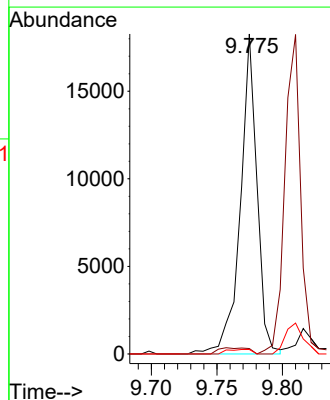
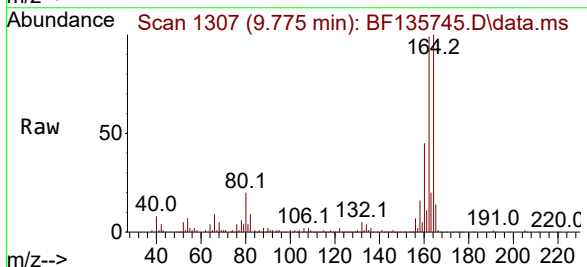
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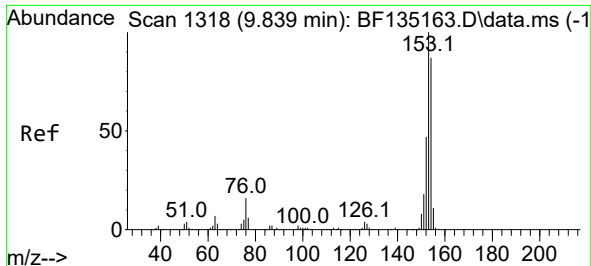
Tgt Ion:172 Resp: 127118
Ion Ratio Lower Upper
172 100
171 34.3 28.4 42.6
170 22.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.120 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:165 Resp: 16135
Ion Ratio Lower Upper
165 100
63 1.7 59.4 89.2#
89 1.4 49.8 74.8#

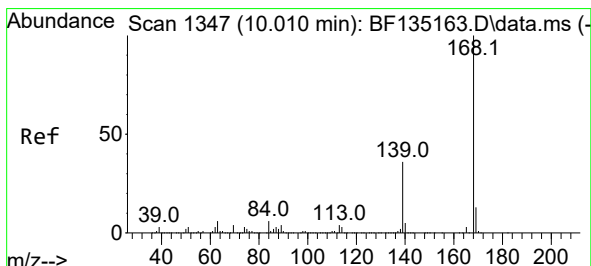
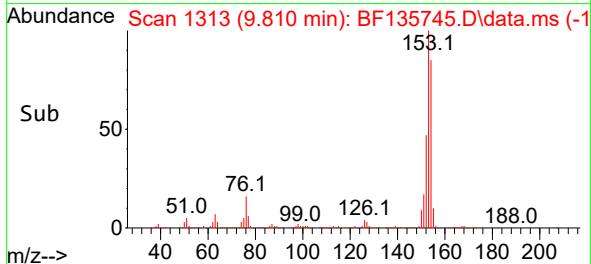
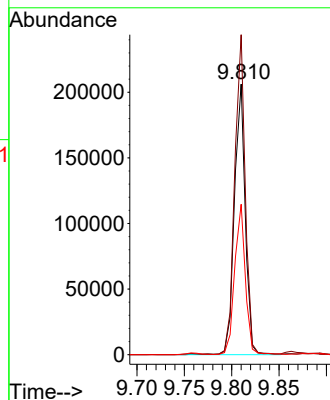
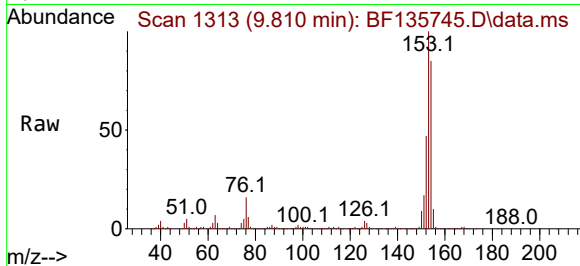




#52
Acenaphthene
Concen: 27.851 ng
RT: 9.810 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

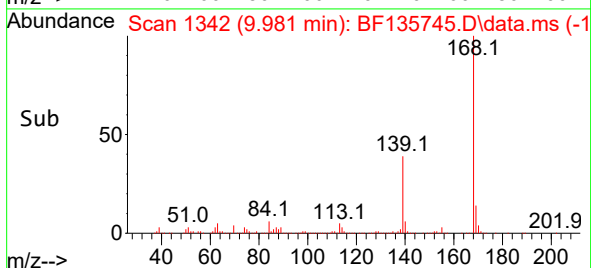
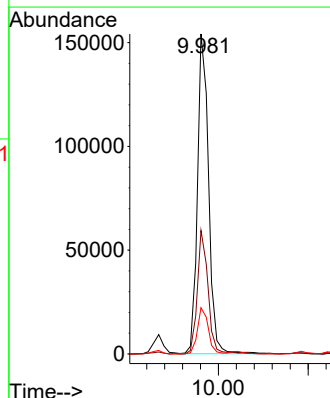
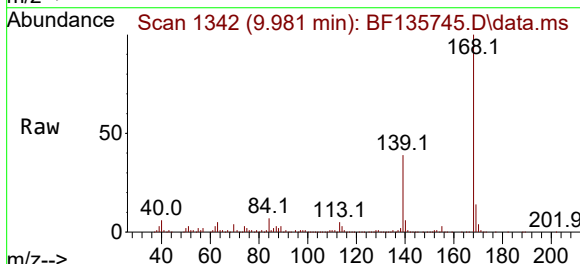
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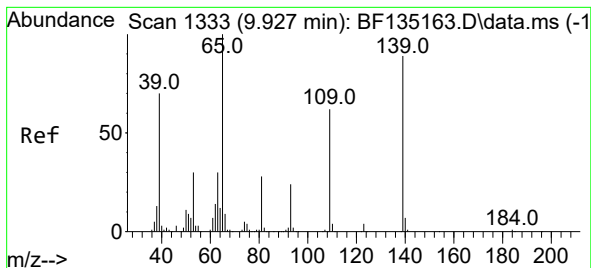
Tgt Ion:154 Resp: 164117
Ion Ratio Lower Upper
154 100
153 118.2 92.1 138.1
152 55.5 43.1 64.7



#55
Dibenzofuran
Concen: 14.724 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:168 Resp: 132397
Ion Ratio Lower Upper
168 100
139 38.6 29.0 43.6
169 14.5 10.4 15.6





#56

4-Nitrophenol

Concen: 41.827 ng

RT: 9.981 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

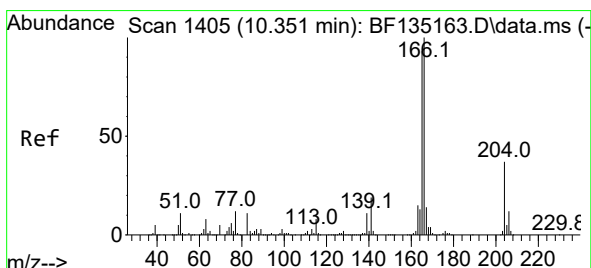
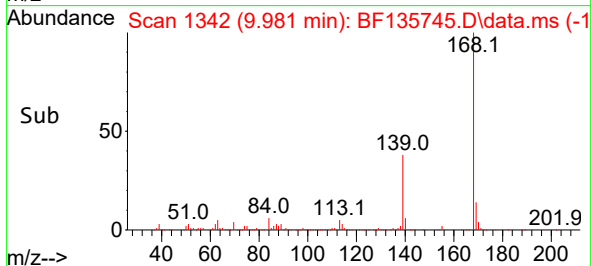
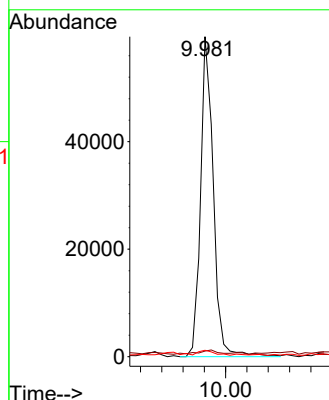
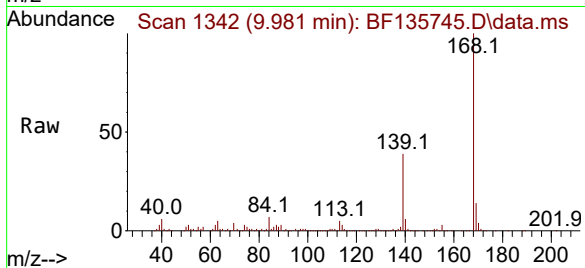
Tgt Ion:139 Resp: 49750

Ion Ratio Lower Upper

139 100

109 1.8 49.8 89.8#

65 2.0 92.7 132.7#



#58

Fluorene

Concen: 30.347 ng

RT: 10.328 min Scan# 1401

Delta R.T. -0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

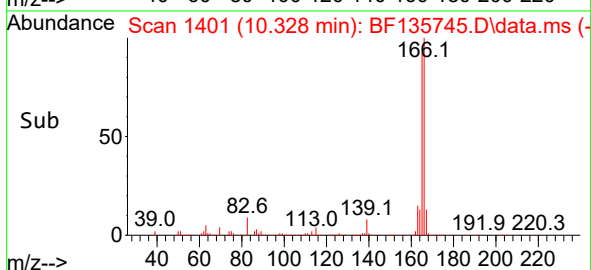
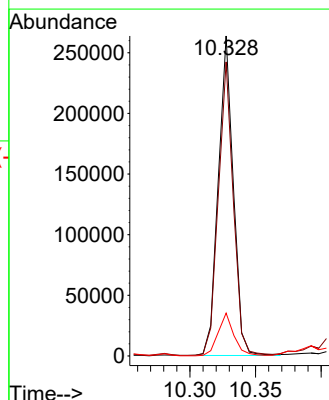
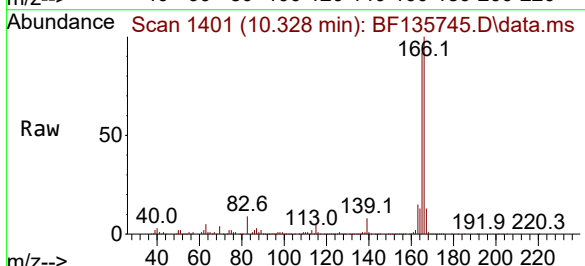
Tgt Ion:166 Resp: 209779

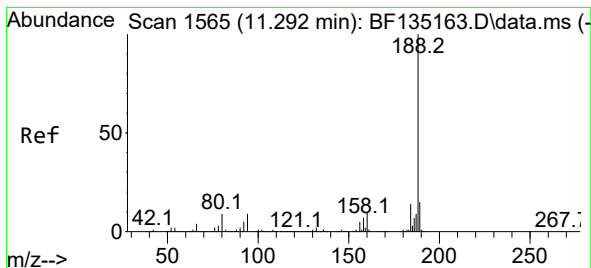
Ion Ratio Lower Upper

166 100

165 91.9 74.3 111.5

167 13.4 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

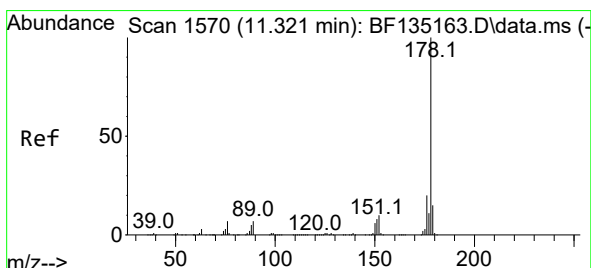
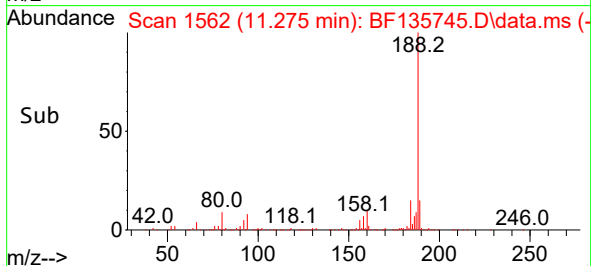
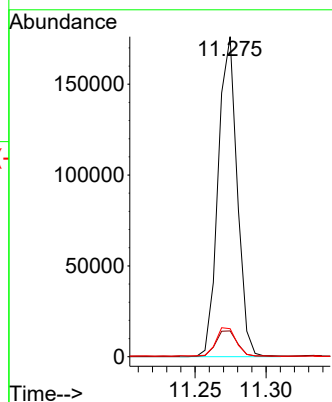
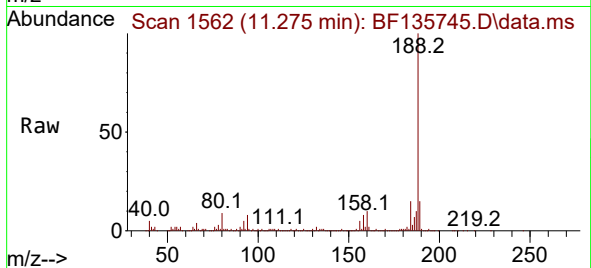
Tgt Ion:188 Resp: 163738

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

80 8.8 7.5 11.3



#71

Phenanthrene

Concen: 92.459 ng

RT: 11.304 min Scan# 1567

Delta R.T. 0.006 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

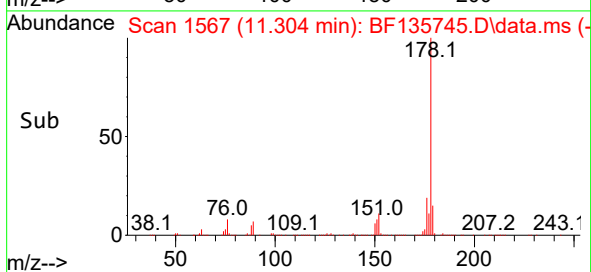
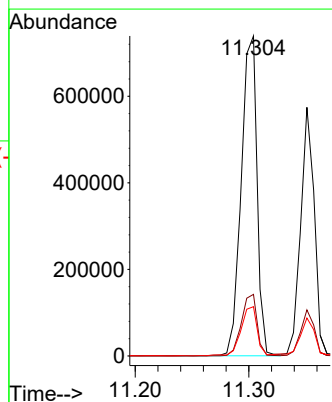
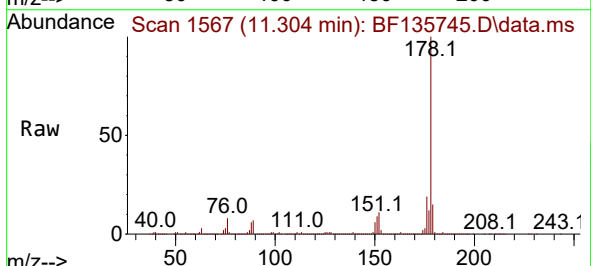
Tgt Ion:178 Resp: 716010

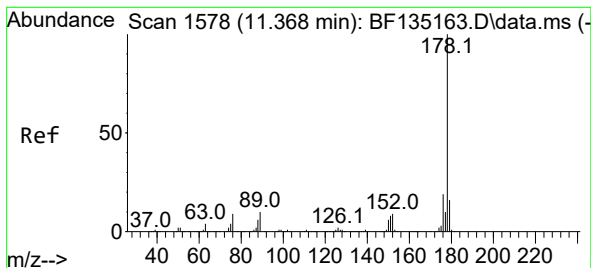
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.4 12.0 18.0





#72

Anthracene

Concen: 58.985 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

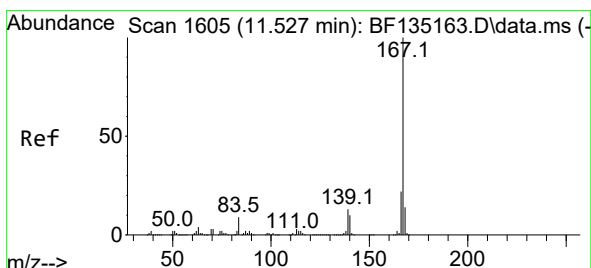
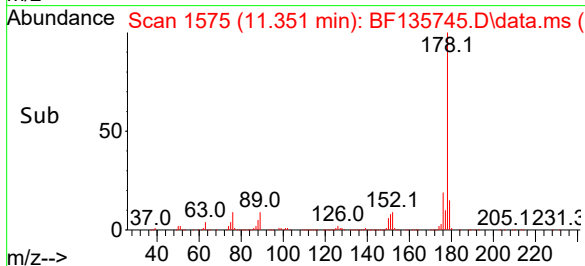
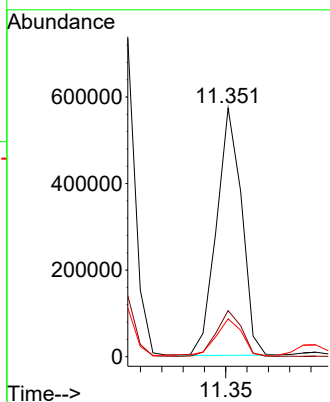
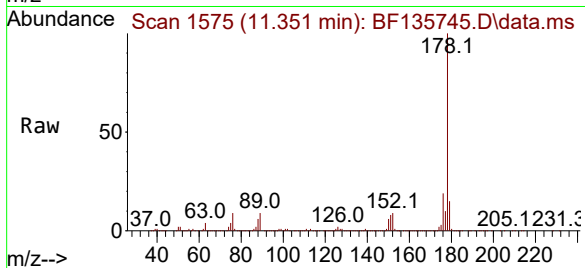
Tgt Ion:178 Resp: 469530

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.2 12.6 19.0



#73

Carbazole

Concen: 12.417 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

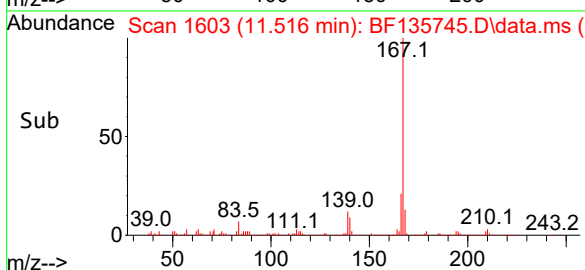
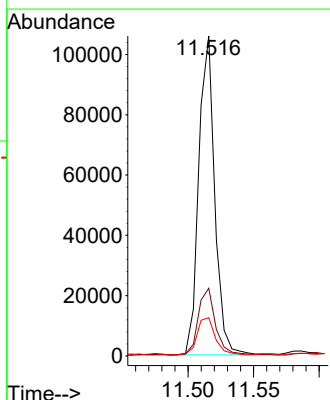
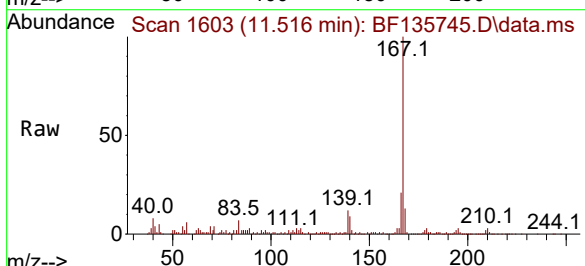
Tgt Ion:167 Resp: 89975

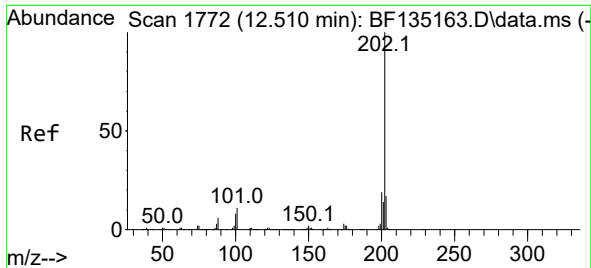
Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.0

139 12.0 10.6 15.8

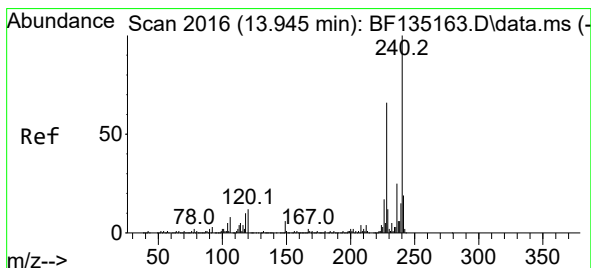
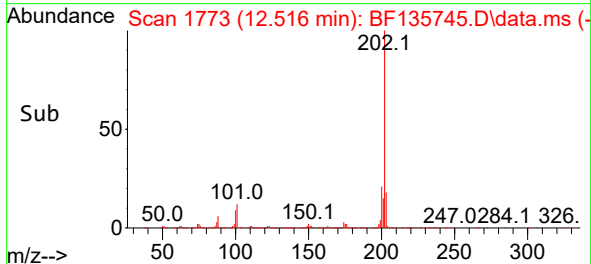
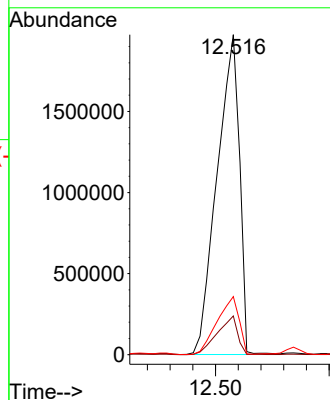
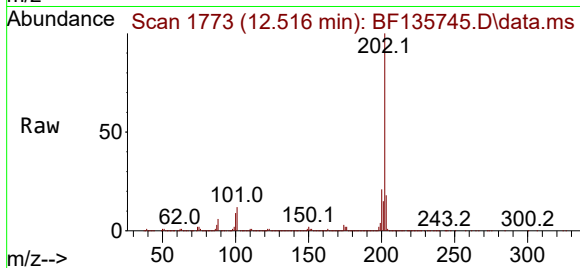




#75
Fluoranthene
Concen: 333.851 ng
RT: 12.516 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

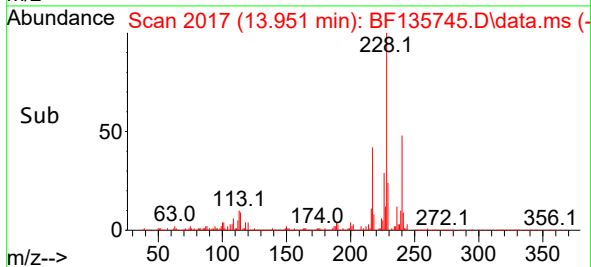
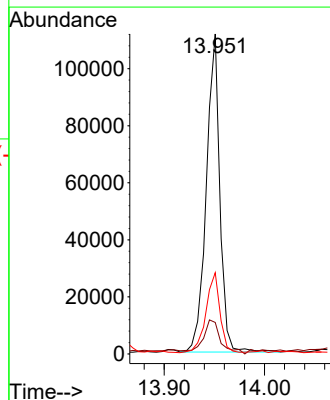
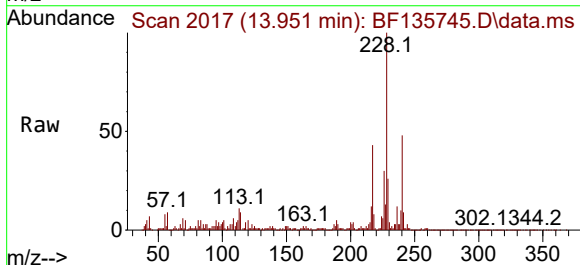
Instrument :
BNA_F
ClientSampleId :
VNJ-223

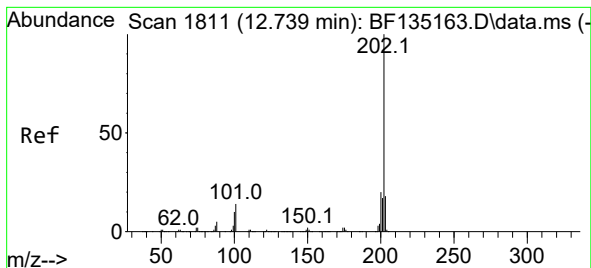
Tgt Ion:202 Resp: 2693935
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:240 Resp: 105130
Ion Ratio Lower Upper
240 100
120 9.8 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 219.775 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.018 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

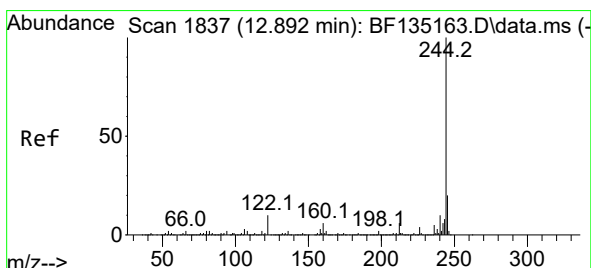
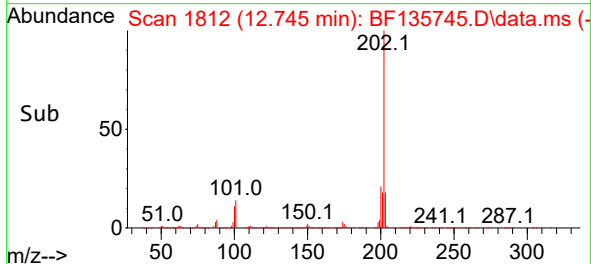
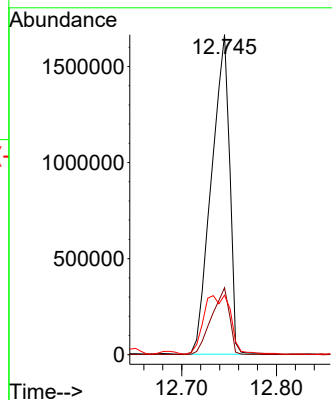
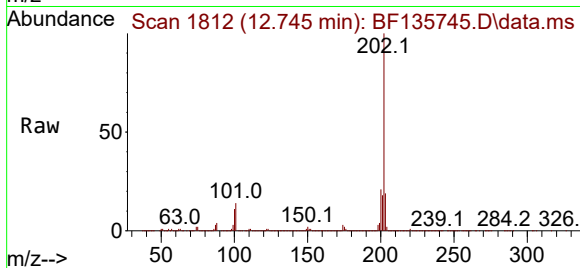
Tgt Ion:202 Resp: 2199771

Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.2

203 18.6 14.2 21.4



#79

Terphenyl-d14

Concen: 17.556 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

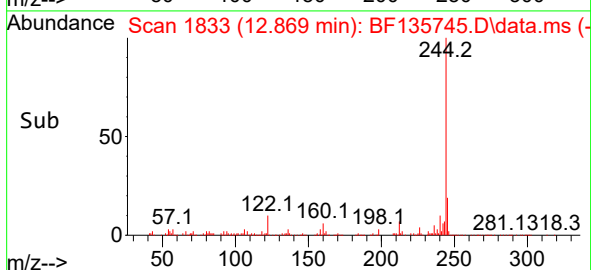
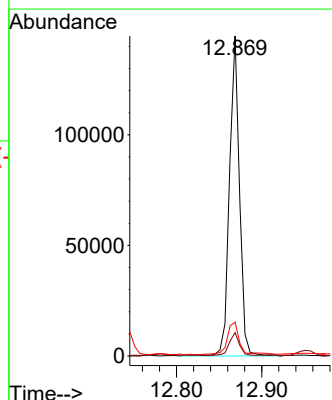
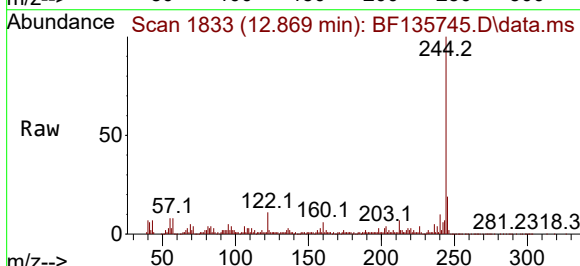
Tgt Ion:244 Resp: 119057

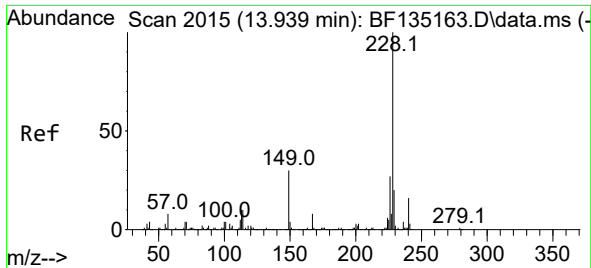
Ion Ratio Lower Upper

244 100

212 7.3 5.1 7.7

122 10.5 7.9 11.9

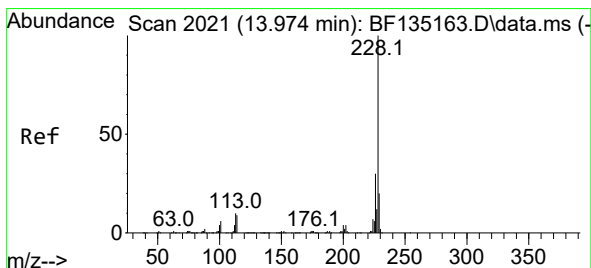
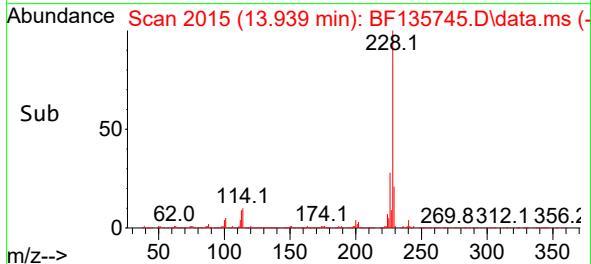
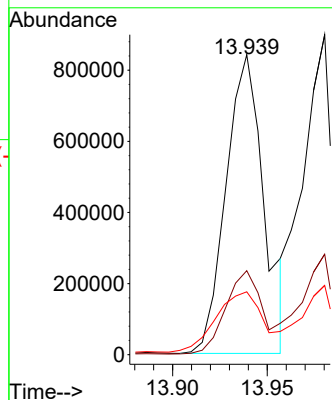
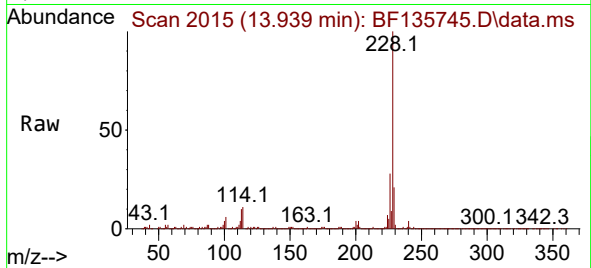




#81
Benzo(a)anthracene
Concen: 172.231 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

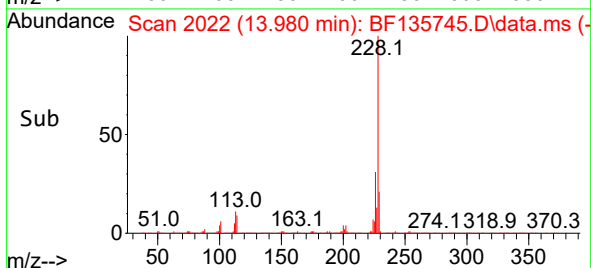
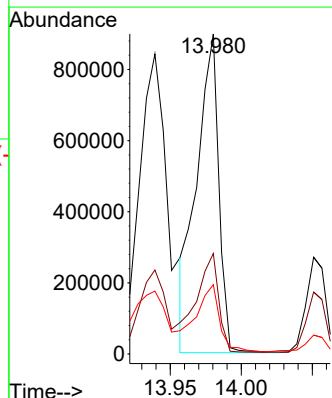
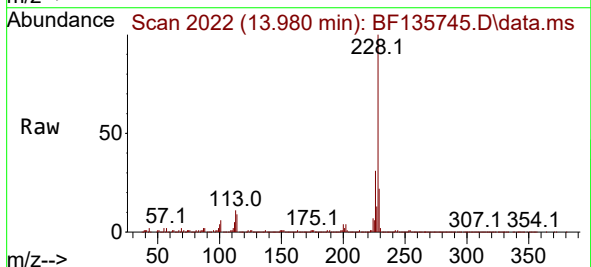
Instrument :
BNA_F
ClientSampleId :
VNJ-223

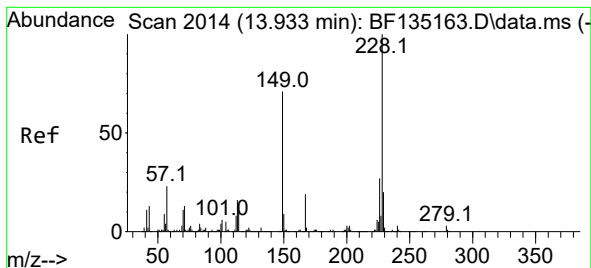
Tgt Ion:228 Resp: 1169193
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 21.0 15.8 23.8



#83
Chrysene
Concen: 144.494 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.018 min
Lab File: BF135745.D
Acq: 12 Oct 2023 20:36

Tgt Ion:228 Resp: 975239
Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 21.7 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.424 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

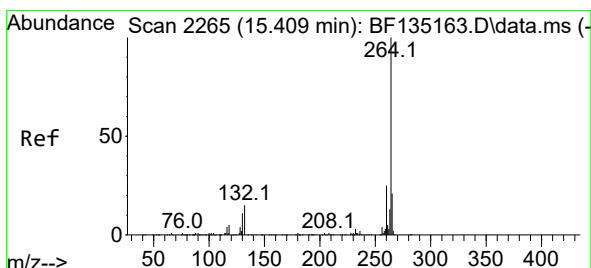
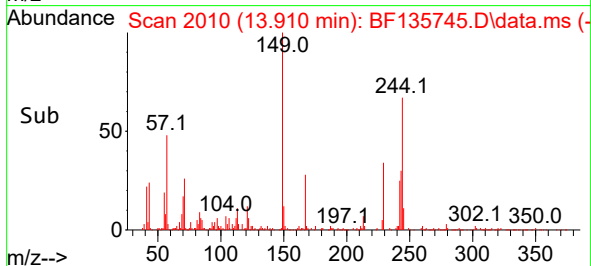
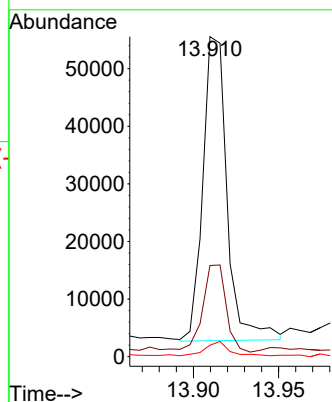
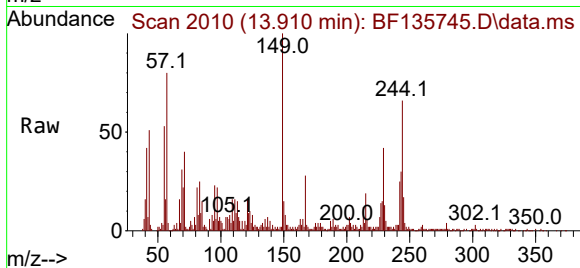
Tgt Ion:149 Resp: 52162

Ion Ratio Lower Upper

149 100

167 28.5 21.9 32.9

279 3.6 3.3 4.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.024 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

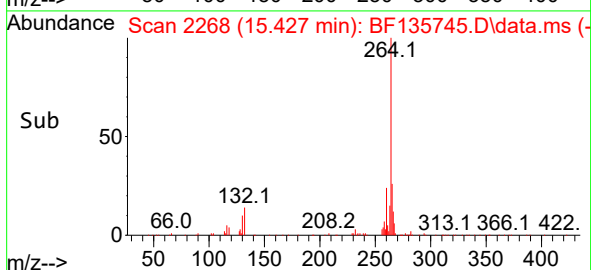
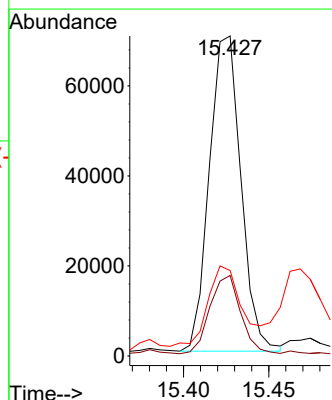
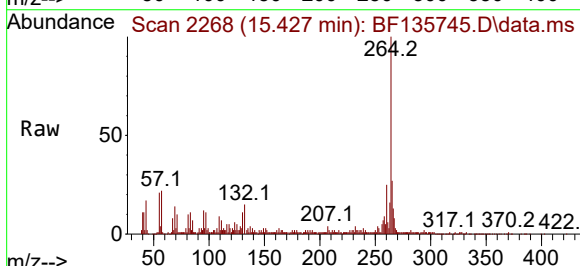
Tgt Ion:264 Resp: 90426

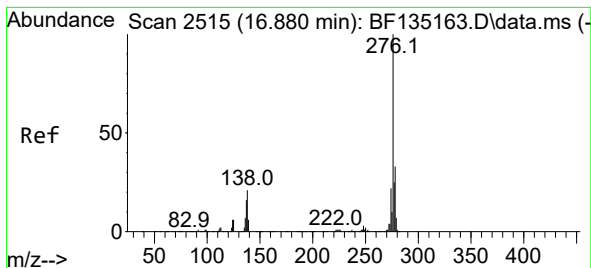
Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.6

265 26.7 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 115.054 ng

RT: 16.939 min Scan# 2196

Delta R.T. 0.035 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

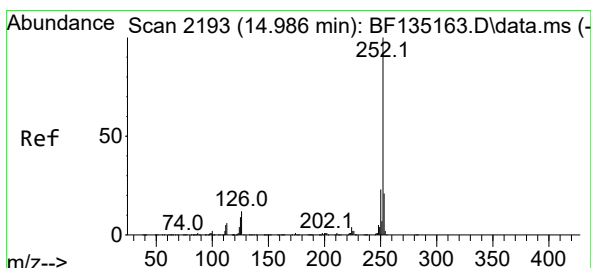
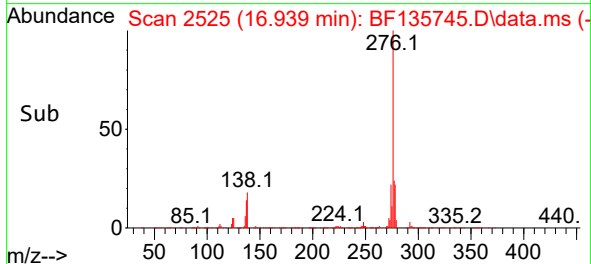
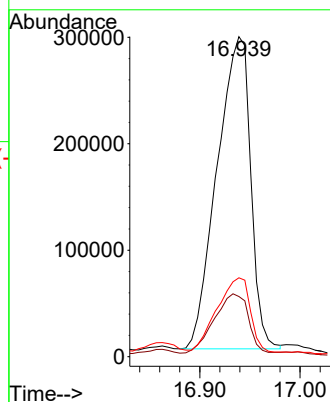
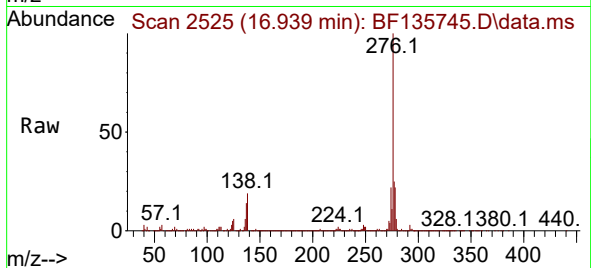
Tgt Ion:276 Resp: 682149

Ion Ratio Lower Upper

276 100

138 19.3 19.2 28.8

277 23.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 387.584 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.024 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

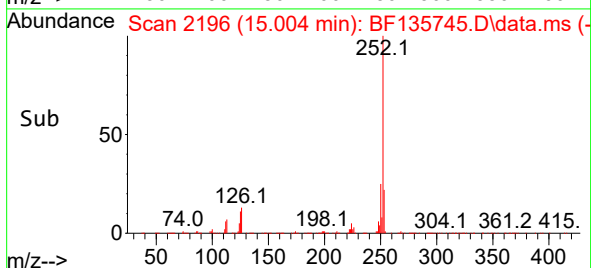
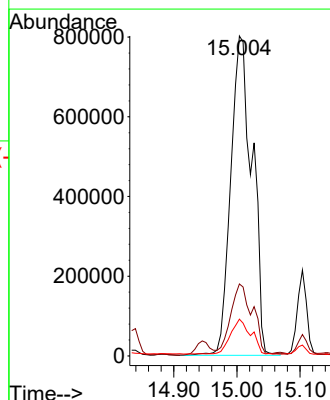
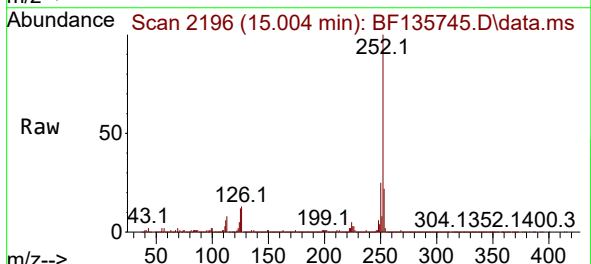
Tgt Ion:252 Resp: 1897259

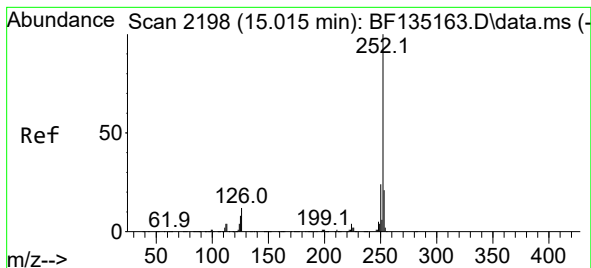
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 11.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 392.363 ng

RT: 15.004 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

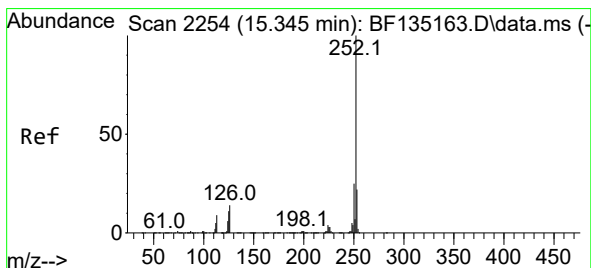
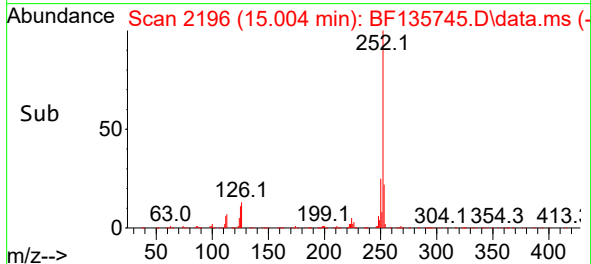
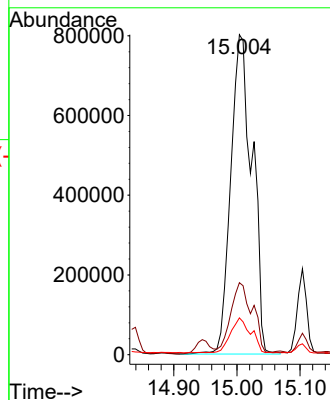
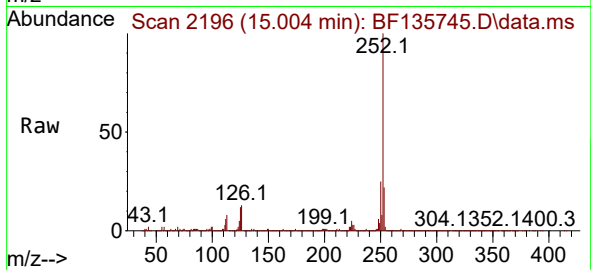
Tgt Ion:252 Resp: 1897259

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 11.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 205.462 ng

RT: 15.374 min Scan# 2259

Delta R.T. 0.030 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

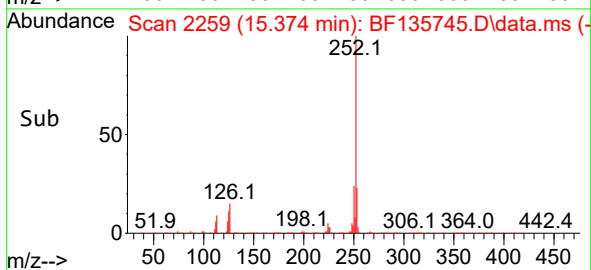
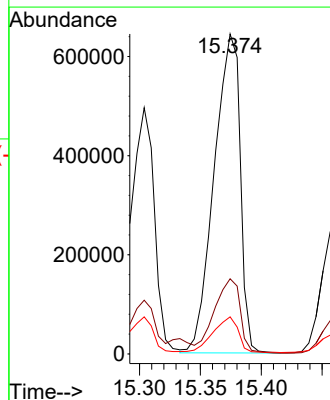
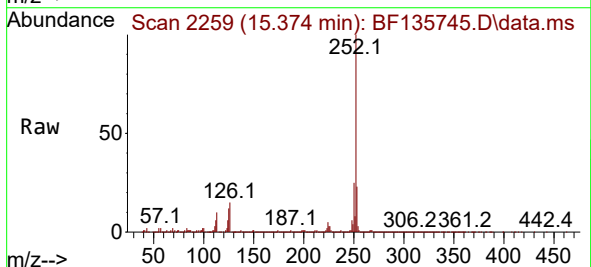
Tgt Ion:252 Resp: 959122

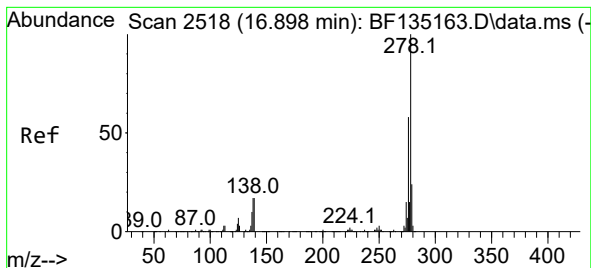
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 11.6 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 23.558 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.182 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Instrument :

BNA_F

ClientSampleId :

VNJ-223

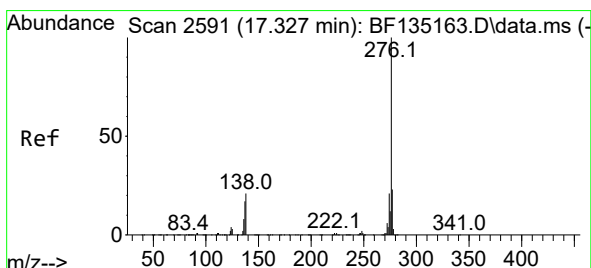
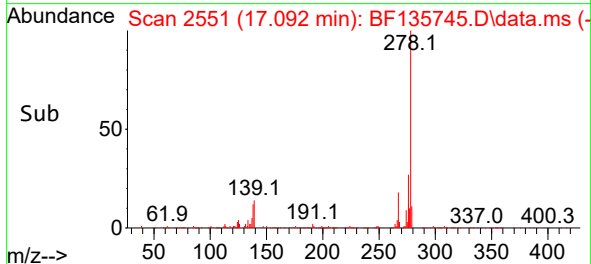
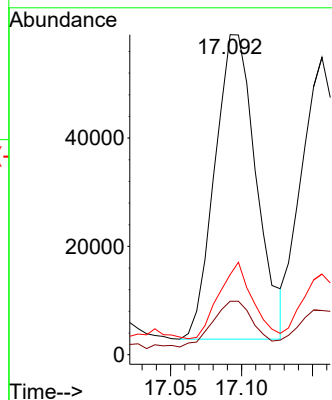
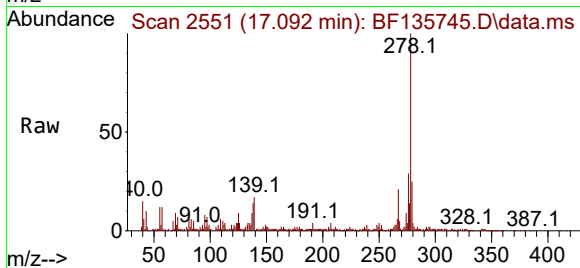
Tgt Ion:278 Resp: 114283

Ion Ratio Lower Upper

278 100

139 16.7 13.4 20.0

279 25.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 143.372 ng

RT: 17.398 min Scan# 2603

Delta R.T. 0.047 min

Lab File: BF135745.D

Acq: 12 Oct 2023 20:36

Tgt Ion:276 Resp: 726379

Ion Ratio Lower Upper

276 100

277 25.5 18.8 28.2

138 20.1 16.9 25.3

