

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
 Data File : BF137315.D
 Acq On : 07 Feb 2024 12:18
 Operator : CG\JU
 Sample : P1355-01DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214DL

Quant Time: Feb 07 12:35:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

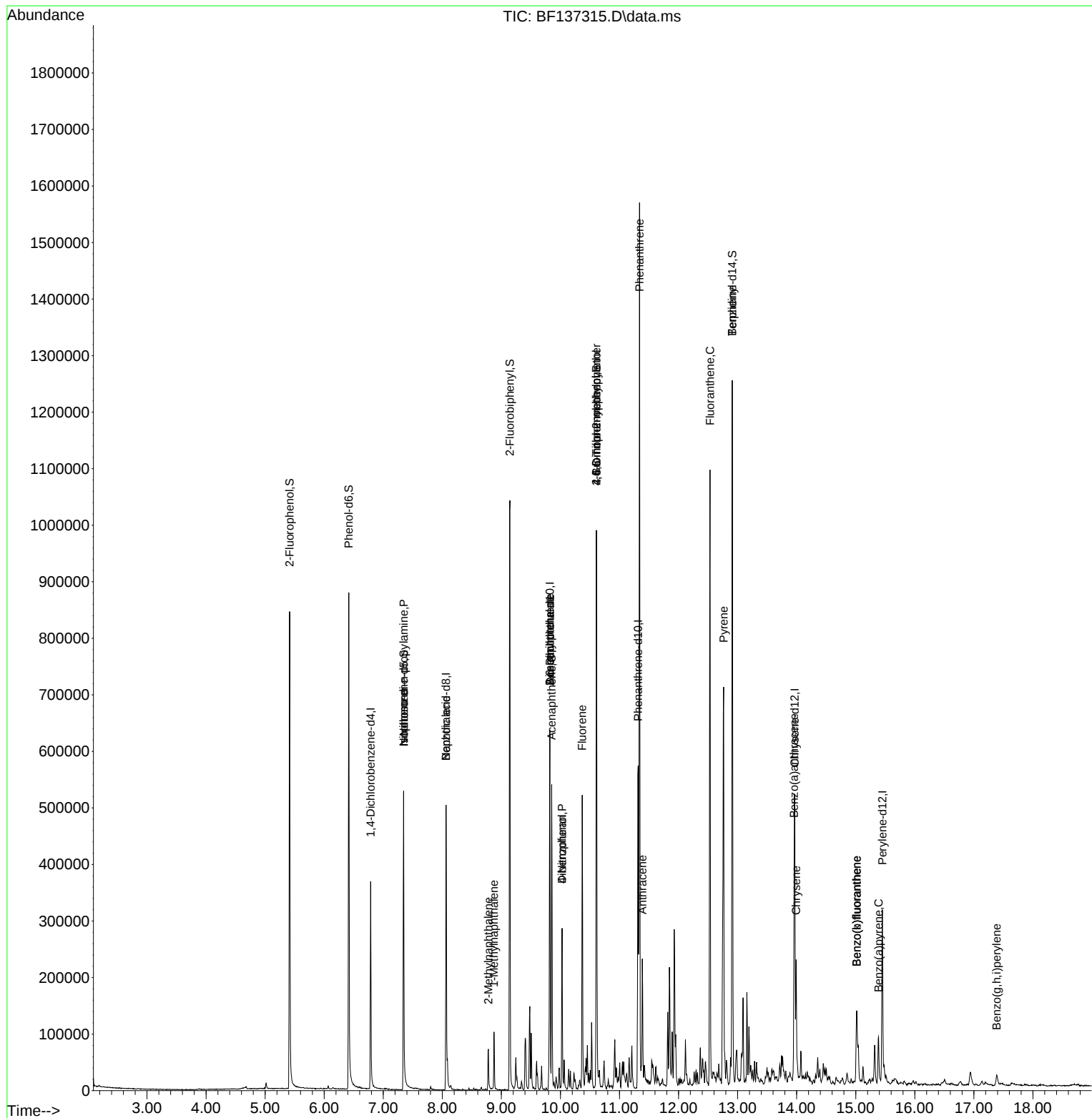
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	49865	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	206424	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	123617	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	238814	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	144926	20.000	ng	0.00
86) Perylene-d12	15.451	264	151187	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	198744	65.766	ng	0.00
7) Phenol-d6	6.416	99	267088	61.931	ng	-0.01
23) Nitrobenzene-d5	7.345	82	176919	38.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	98798	70.769	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	332483	36.973	ng	0.00
79) Terphenyl-d14	12.910	244	414959	38.924	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	23121	7.819	ng	# 81
25) Isophorone	7.345	82	176918	20.789	ng	# 67
32) Benzoic acid	8.063	122	63	8.348	ng	# 1
37) 2-Methylnaphthalene	8.780	142	23366	3.123	ng	96
38) 1-Methylnaphthalene	8.875	142	24817	3.571	ng	100
50) Dimethylphthalate	9.822	163	23033	2.758	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	18987	10.662	ng	# 18
52) Acenaphthene	9.851	154	107348	15.675	ng	99
55) Dibenzofuran	10.027	168	96726	8.877	ng	98
56) 4-Nitrophenol	10.027	139	37397	31.589	ng	# 1
58) Fluorene	10.369	166	128807	15.080	ng	99
65) 4,6-Dinitro-2-methylph...	10.610	198	193	5.590	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	6727	2.562	ng	# 1
71) Phenanthrene	11.339	178	526244	42.092	ng	99
72) Anthracene	11.386	178	98067	7.526	ng	99
75) Fluoranthene	12.533	202	444162	33.951	ng	100
77) Benzidine	12.910	184	5262	2.028	ng	# 90
78) Pyrene	12.763	202	324034	23.266	ng	100
81) Benzo(a)anthracene	13.957	228	112114	10.923	ng	100
83) Chrysene	13.992	228	85979	8.521	ng	96
88) Benzo(b)fluoranthene	15.015	252	109923	11.822	ng	97
89) Benzo(k)fluoranthene	15.015	252	109923	11.175	ng	99
90) Benzo(a)pyrene	15.386	252	46230	5.283	ng	100
92) Benzo(g,h,i)perylene	17.386	276	18849	2.256	ng	97

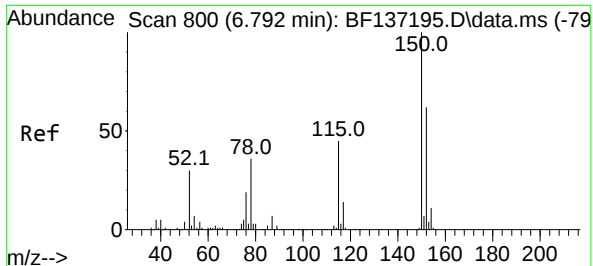
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
Response via : Initial Calibration

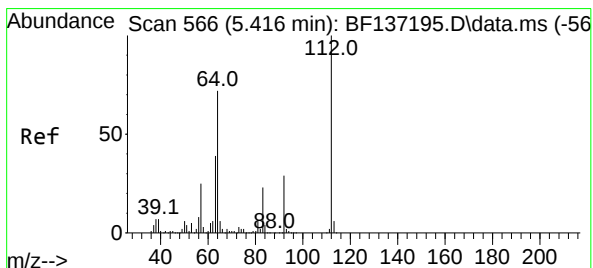
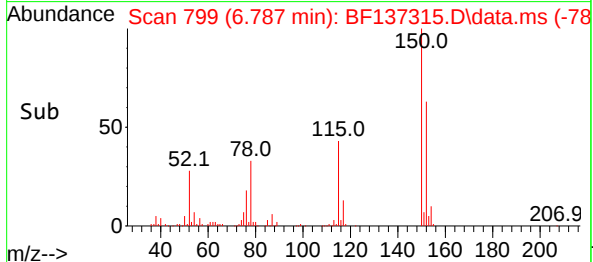
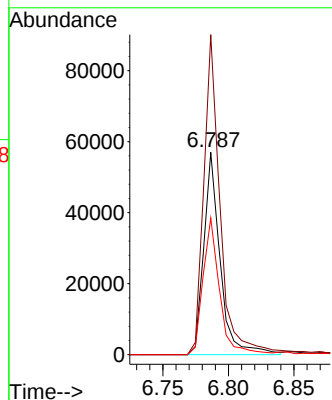
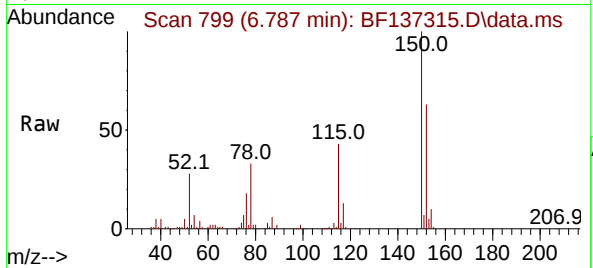




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

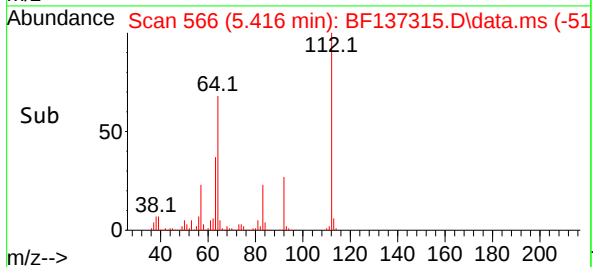
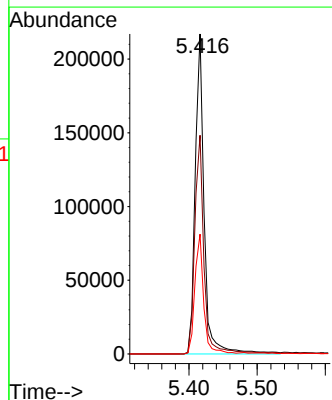
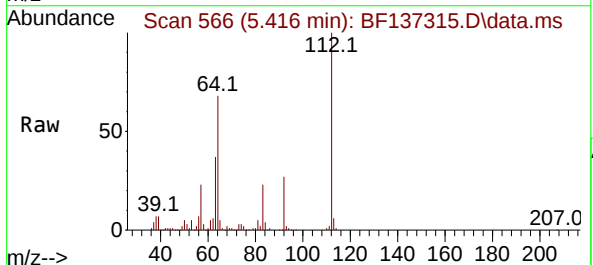
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

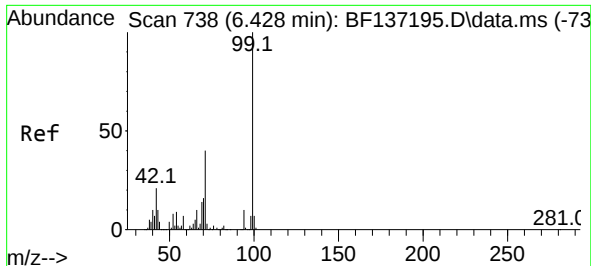
Tgt Ion:152 Resp: 49865
Ion Ratio Lower Upper
152 100
150 158.0 129.8 194.8
115 67.5 58.5 87.7



#5
2-Fluorophenol
Concen: 65.766 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:112 Resp: 198744
Ion Ratio Lower Upper
112 100
64 68.3 57.8 86.6
63 37.5 31.4 47.0





#7

Phenol-d6

Concen: 61.931 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

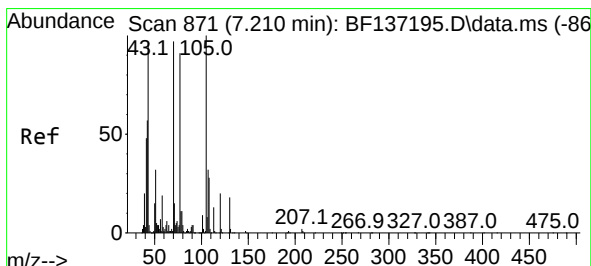
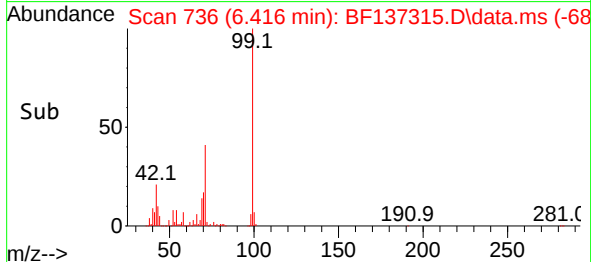
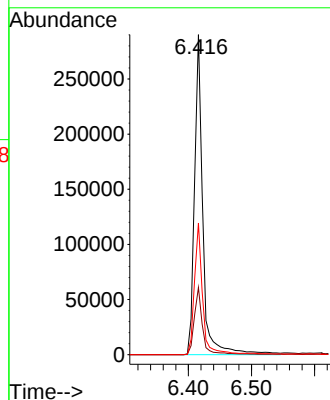
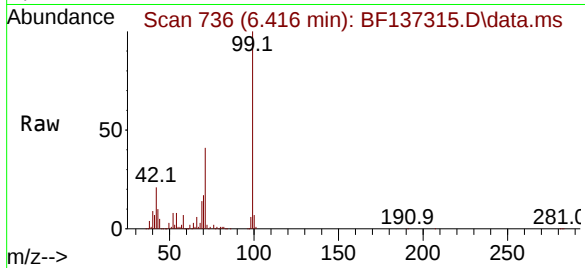
Tgt Ion: 99 Resp: 267088

Ion Ratio Lower Upper

99 100

42 21.0 16.4 24.6

71 41.1 32.4 48.6



#19

n-Nitroso-di-n-propylamine

Concen: 7.819 ng

RT: 7.345 min Scan# 894

Delta R.T. 0.135 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Tgt Ion: 70 Resp: 23121

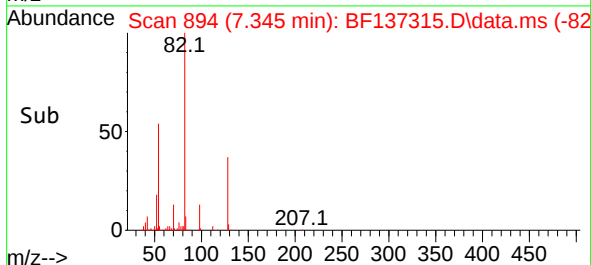
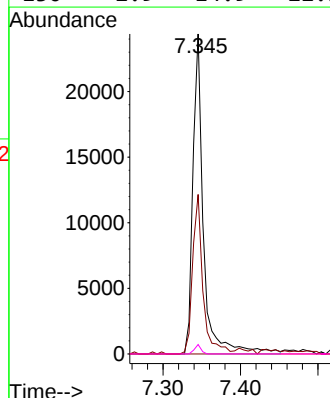
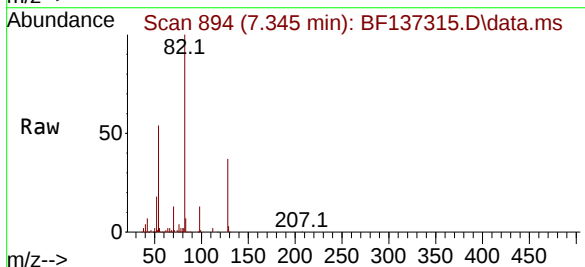
Ion Ratio Lower Upper

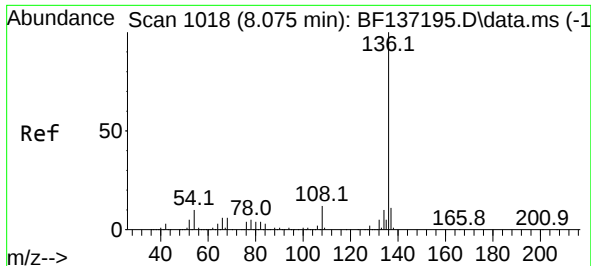
70 100

42 49.8 47.2 70.8

101 0.0 7.4 11.0#

130 2.9 14.9 22.3#



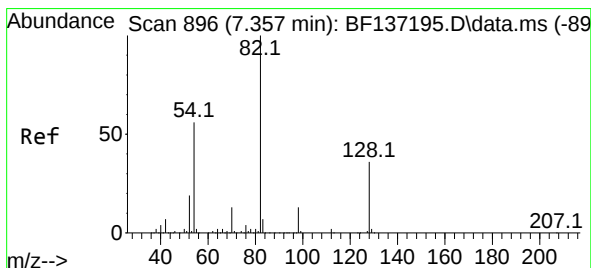
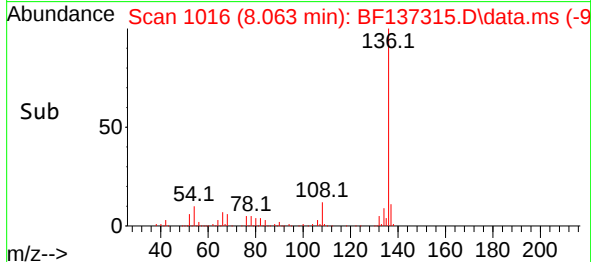
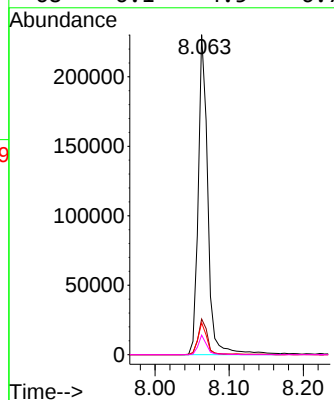
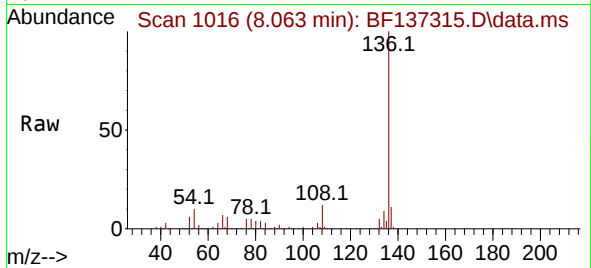


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

Tgt Ion:136 Resp: 206424

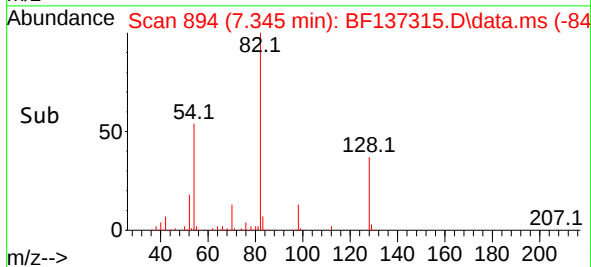
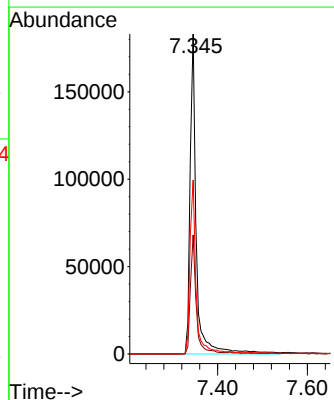
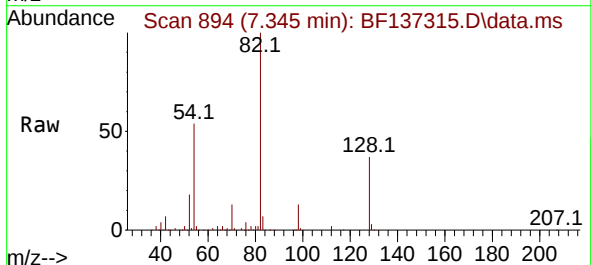
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.0	7.8	11.8
68	6.1	4.5	6.7

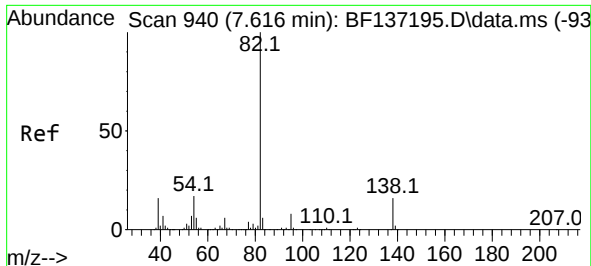


#23
Nitrobenzene-d5
Concen: 38.372 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion: 82 Resp: 176919

Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.1	43.7
54	54.3	45.0	67.6

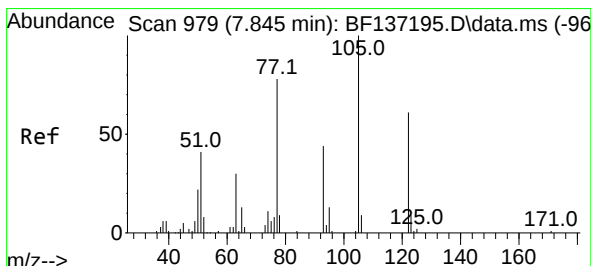
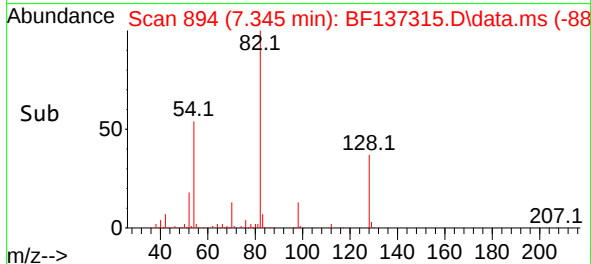
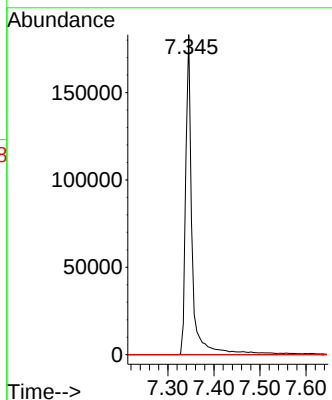
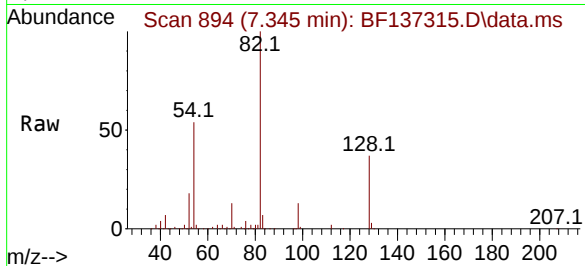




#25
Isophorone
Concen: 20.789 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

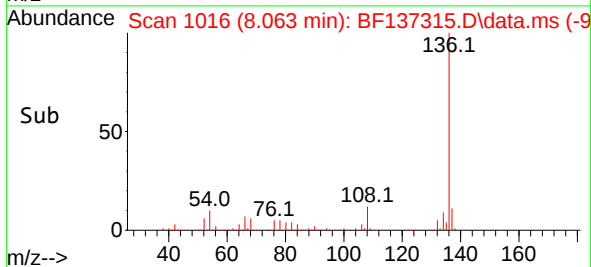
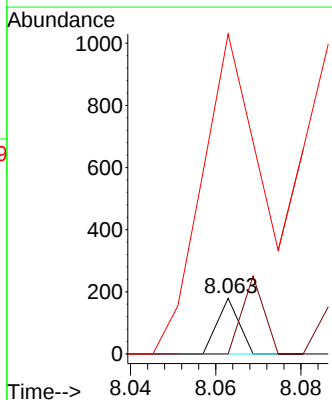
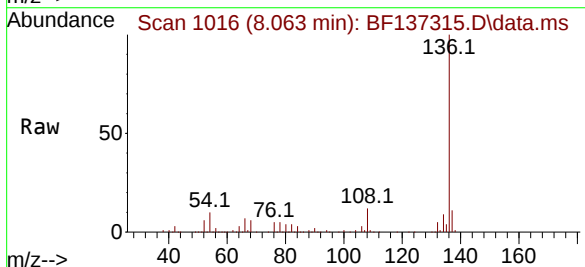
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

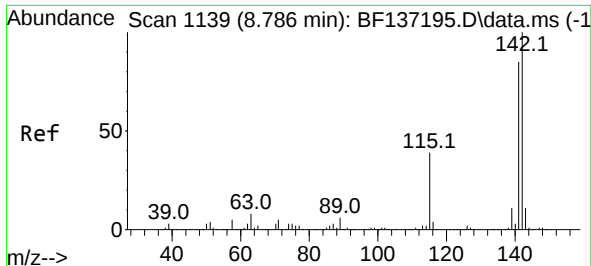
Tgt Ion: 82 Resp: 176918
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 8.348 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.218 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion: 122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 122.5 162.5#
77 575.4 96.4 136.4#

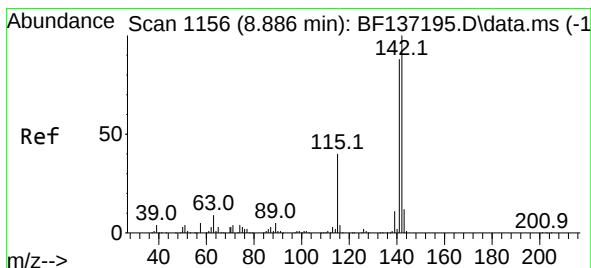
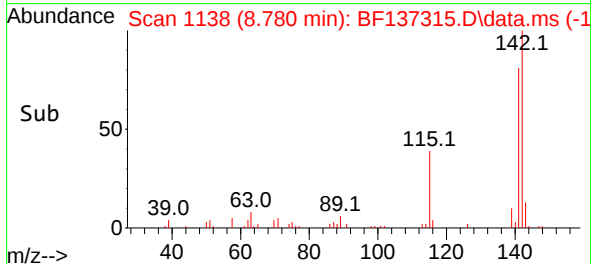
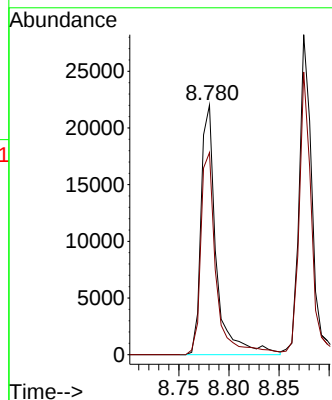
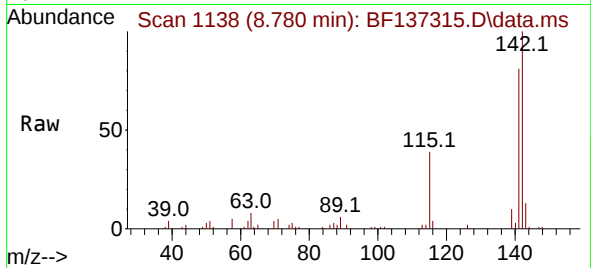




#37
2-Methylnaphthalene
Concen: 3.123 ng
RT: 8.780 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

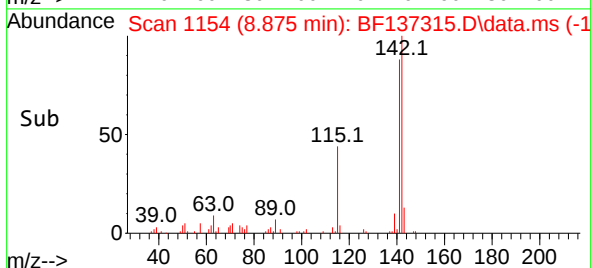
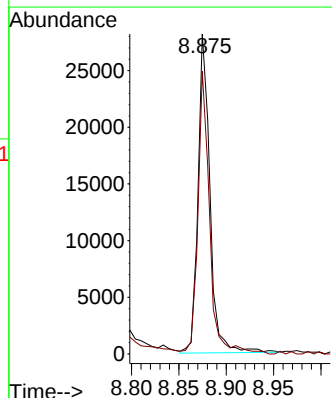
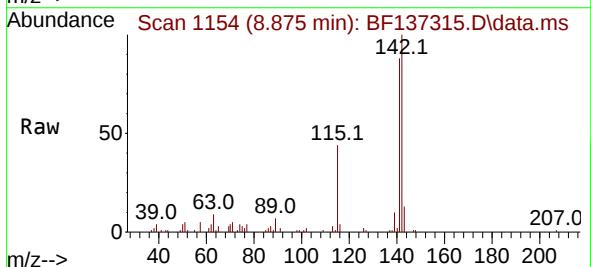
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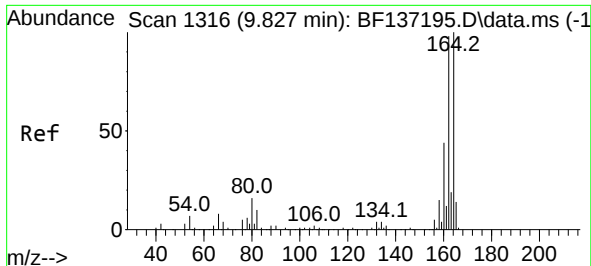
Tgt Ion:142 Resp: 23366
Ion Ratio Lower Upper
142 100
141 81.0 67.8 101.8



#38
1-Methylnaphthalene
Concen: 3.571 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:142 Resp: 24817
Ion Ratio Lower Upper
142 100
141 88.4 70.6 105.8

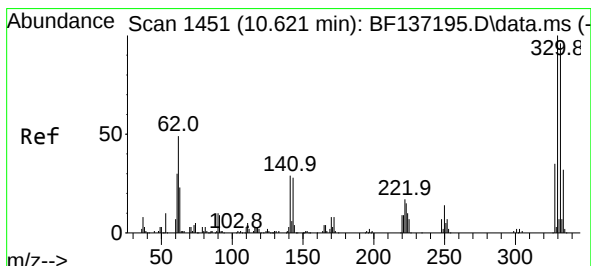
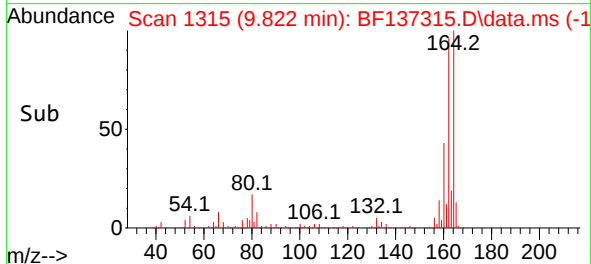
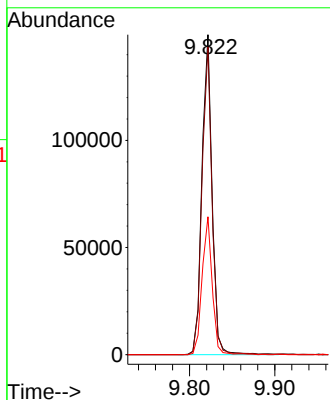
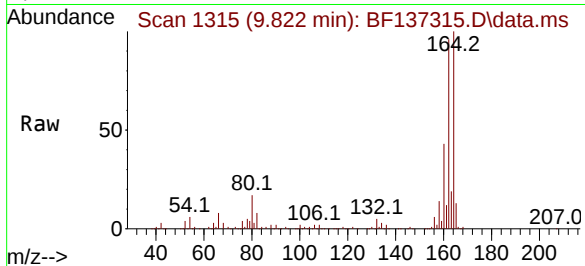




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

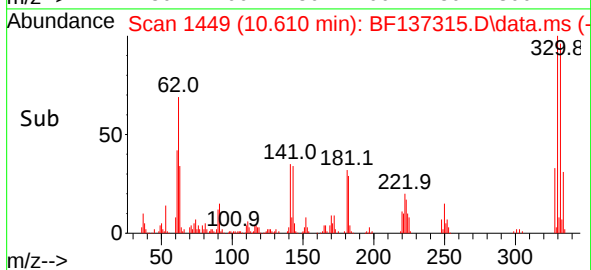
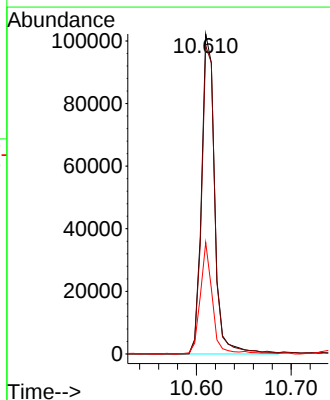
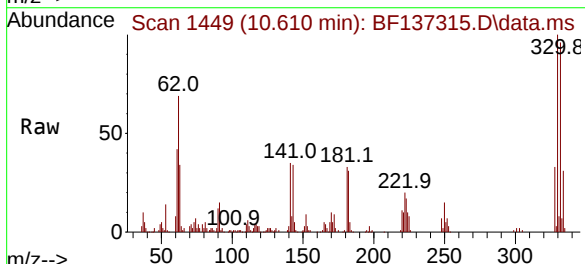
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

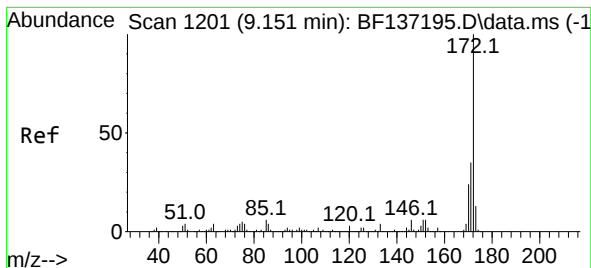
Tgt Ion:164 Resp: 123617
Ion Ratio Lower Upper
164 100
162 96.2 78.3 117.5
160 43.1 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 70.769 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:330 Resp: 98798
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.5 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 36.973 ng

RT: 9.145 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

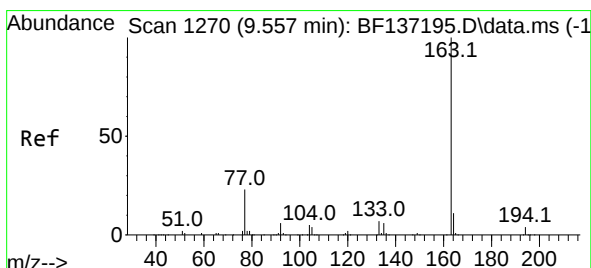
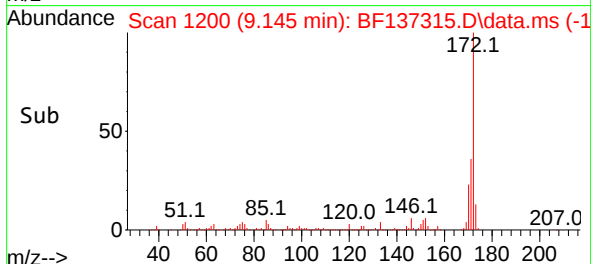
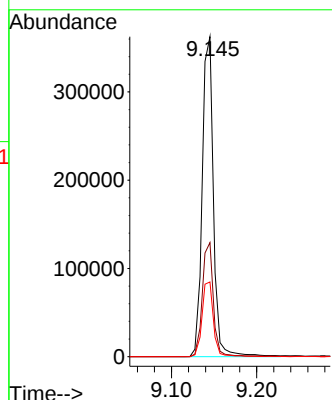
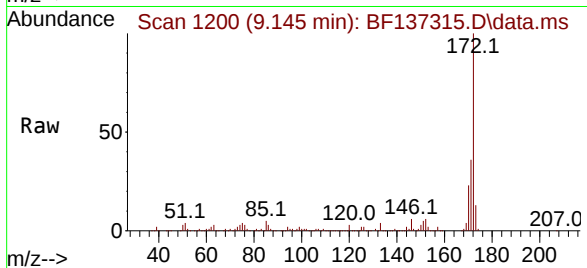
Tgt Ion:172 Resp: 332483

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.4 19.1 28.7



#50

Dimethylphthalate

Concen: 2.758 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

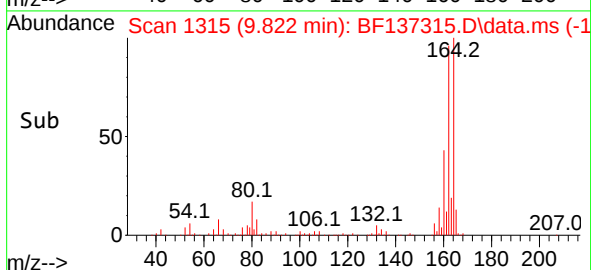
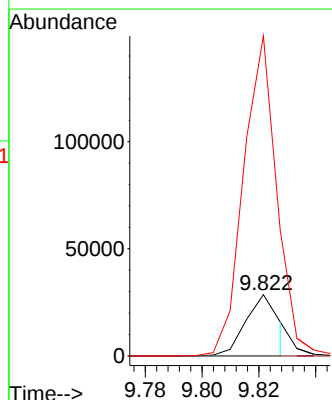
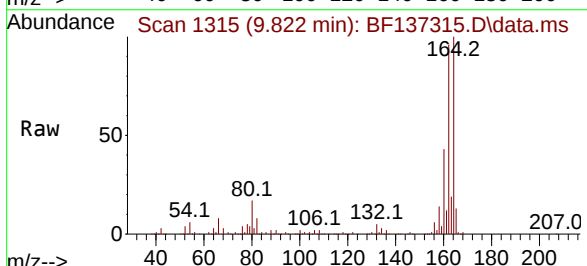
Tgt Ion:163 Resp: 23033

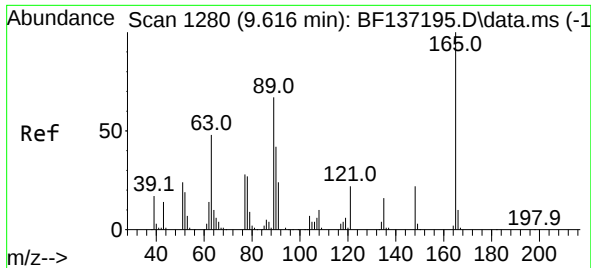
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 521.9 8.6 13.0#

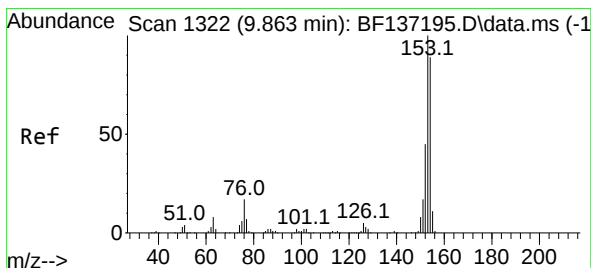
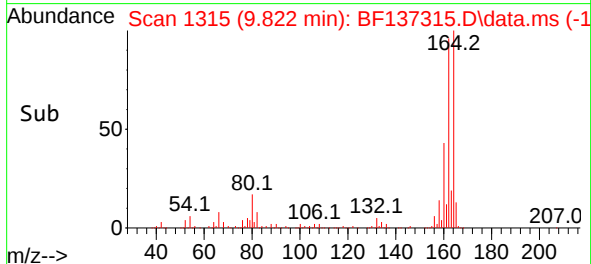
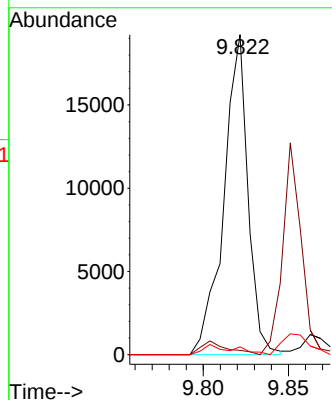
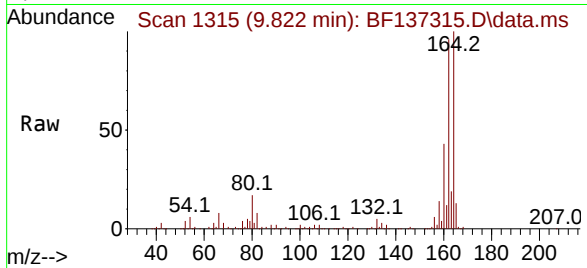




#51
2,6-Dinitrotoluene
Concen: 10.662 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

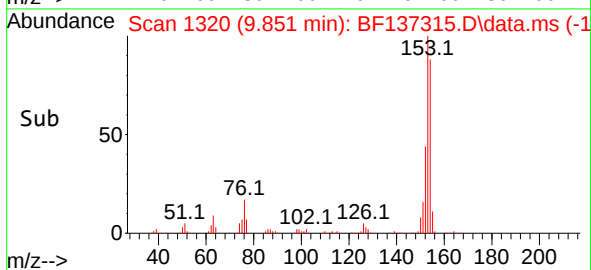
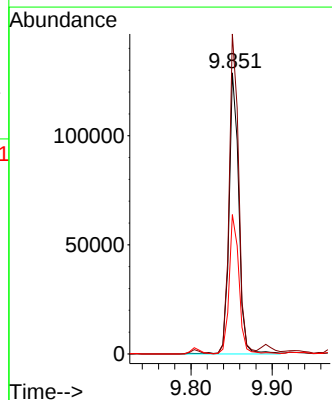
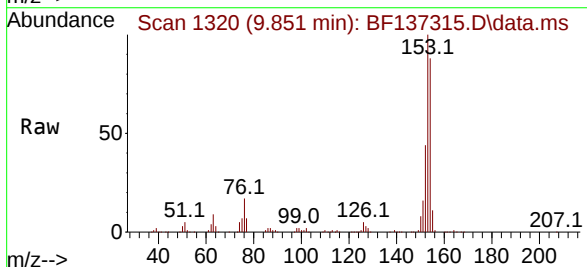
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

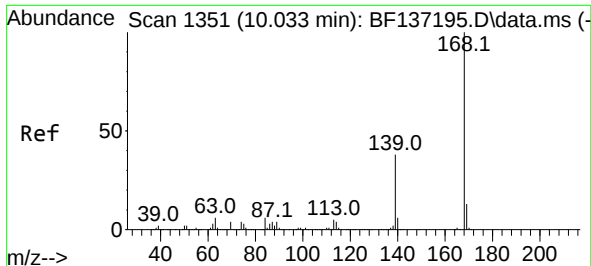
Tgt Ion:165 Resp: 18987
Ion Ratio Lower Upper
165 100
63 1.3 55.1 82.7#
89 2.5 53.5 80.3#



#52
Acenaphthene
Concen: 15.675 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:154 Resp: 107348
Ion Ratio Lower Upper
154 100
153 113.9 90.2 135.4
152 49.6 40.6 60.8





#55

Dibenzenofuran

Concen: 8.877 ng

RT: 10.027 min Scan# 1350

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

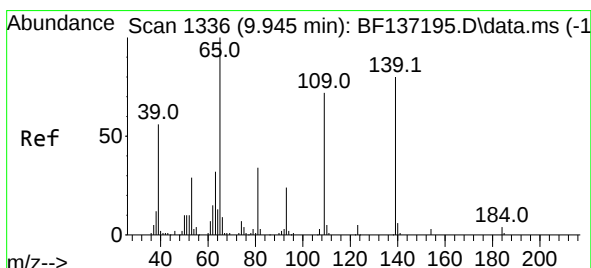
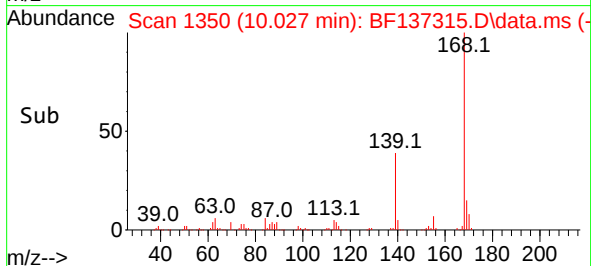
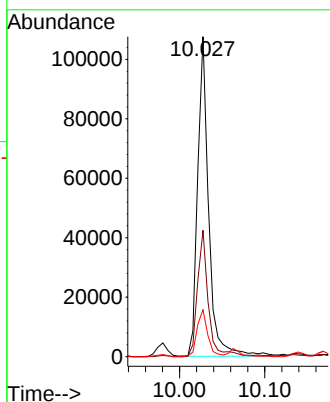
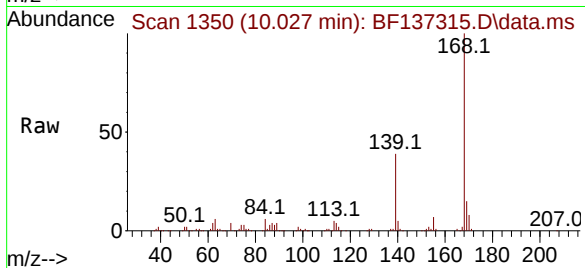
Tgt Ion:168 Resp: 96726

Ion Ratio Lower Upper

168 100

139 39.5 31.1 46.7

169 14.6 10.6 16.0



#56

4-Nitrophenol

Concen: 31.589 ng

RT: 10.027 min Scan# 1350

Delta R.T. 0.082 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

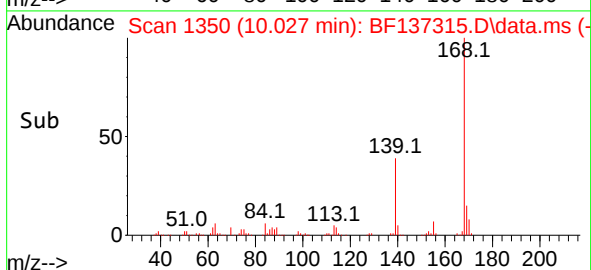
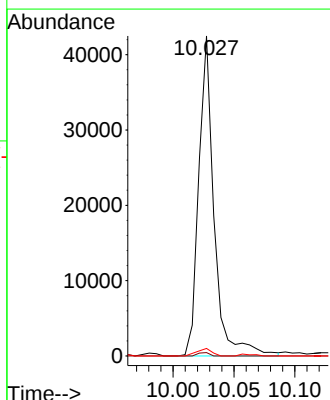
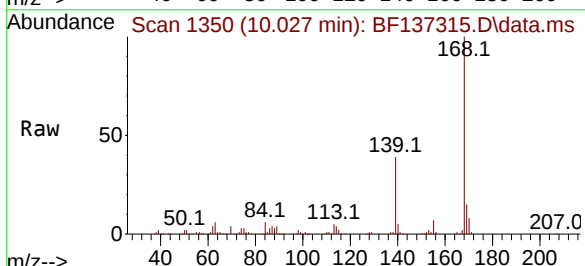
Tgt Ion:139 Resp: 37397

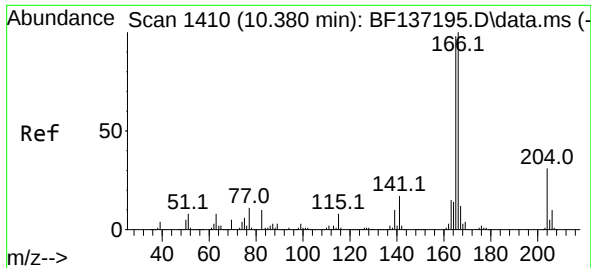
Ion Ratio Lower Upper

139 100

109 1.1 70.4 110.4#

65 2.4 107.6 147.6#

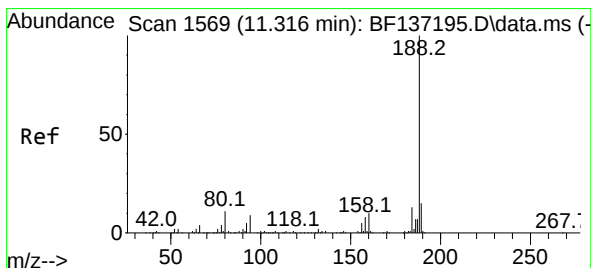
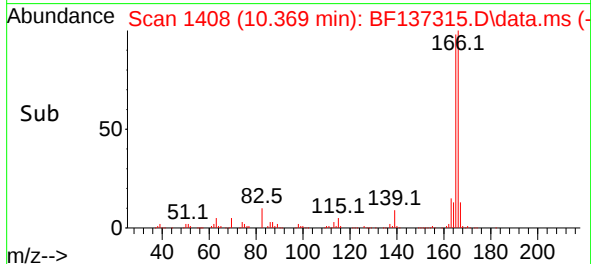
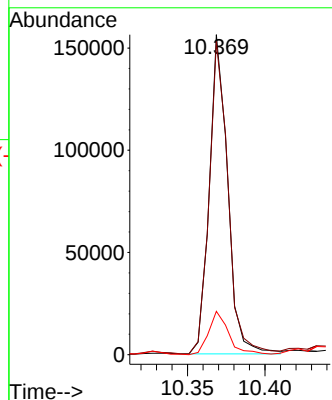
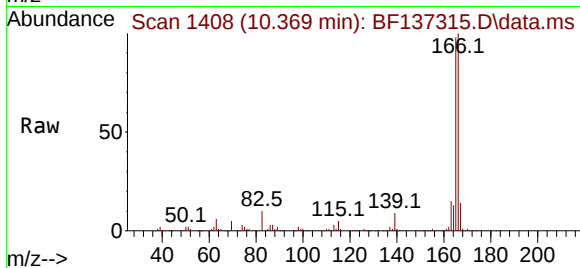




#58
Fluorene
Concen: 15.080 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

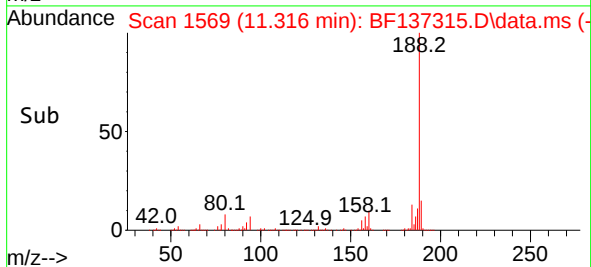
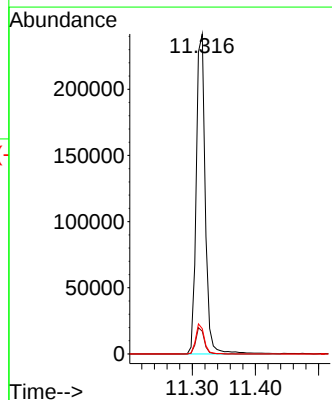
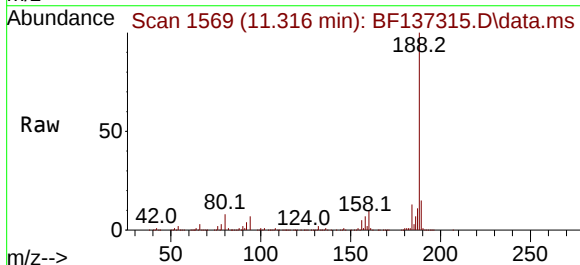
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

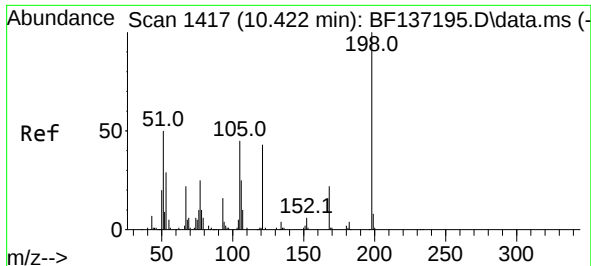
Tgt Ion:166 Resp: 128807
Ion Ratio Lower Upper
166 100
165 97.8 78.5 117.7
167 13.6 10.0 15.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:188 Resp: 238814
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.4
80 7.9 8.8 13.2#





#65

4,6-Dinitro-2-methylphenol

Concen: 5.590 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

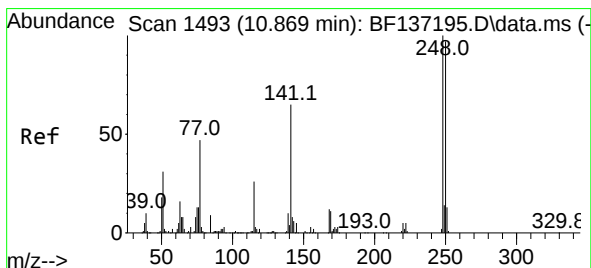
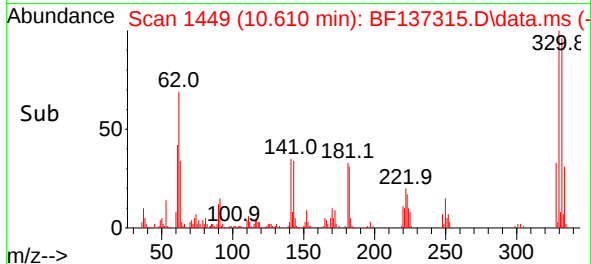
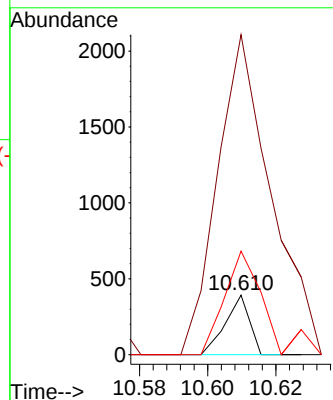
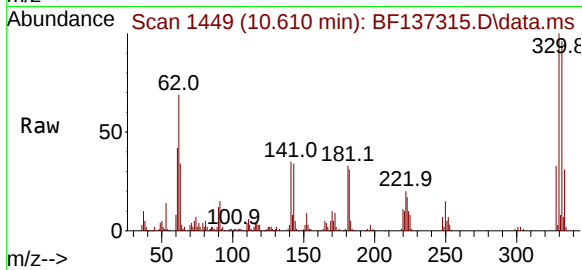
Tgt Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 537.8 40.9 80.9#

105 174.0 26.5 66.5#



#67

4-Bromophenyl-phenylether

Concen: 2.562 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.259 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

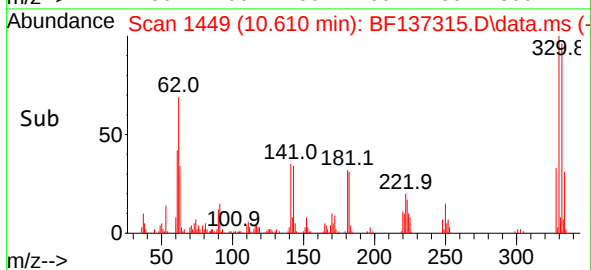
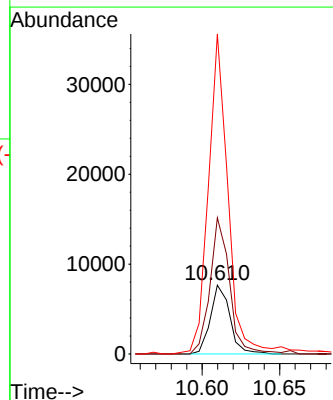
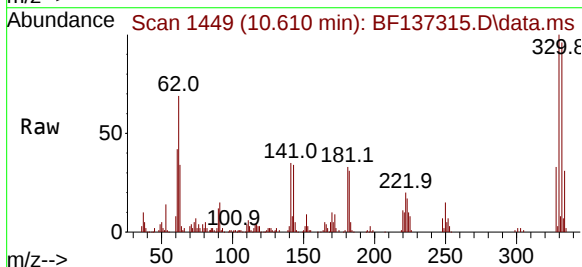
Tgt Ion:248 Resp: 6727

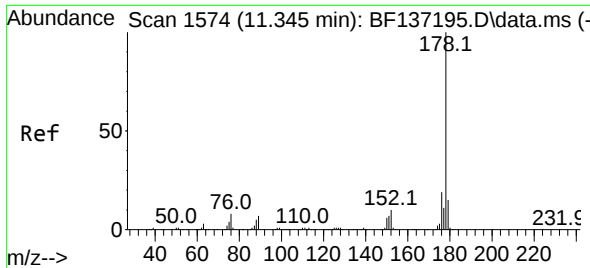
Ion Ratio Lower Upper

248 100

250 197.9 77.7 116.5#

141 465.0 51.6 77.4#

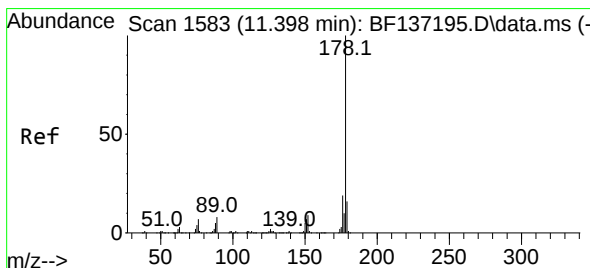
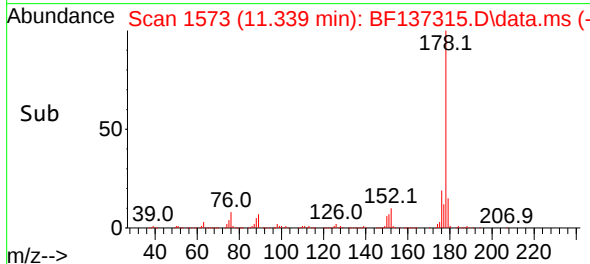
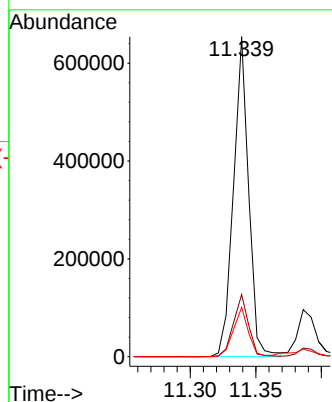
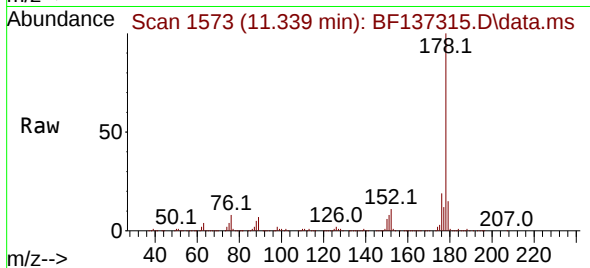




#71
Phenanthrene
Concen: 42.092 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

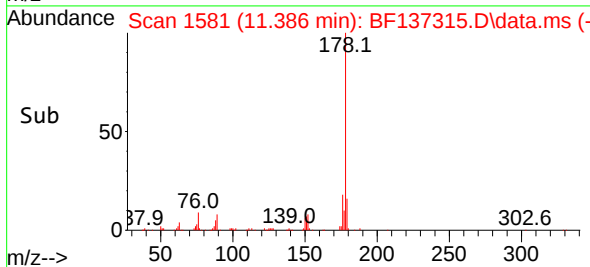
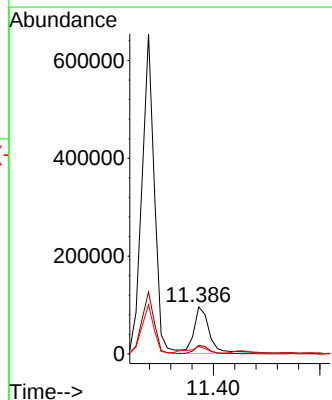
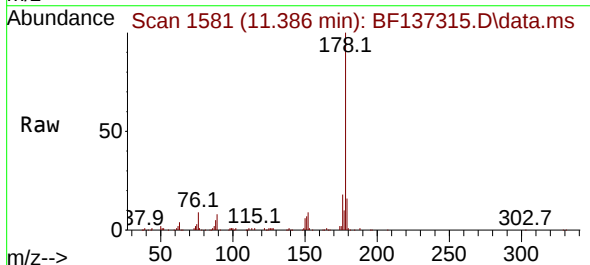
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

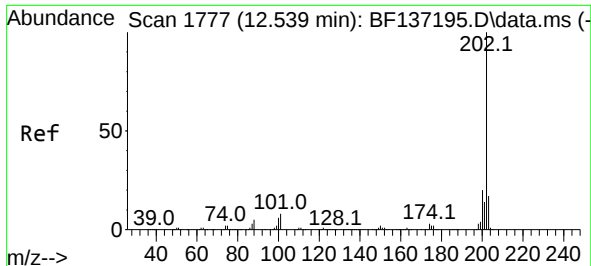
Tgt Ion:178 Resp: 526244
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.4 12.1 18.1



#72
Anthracene
Concen: 7.526 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:178 Resp: 98067
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.9 12.7 19.1

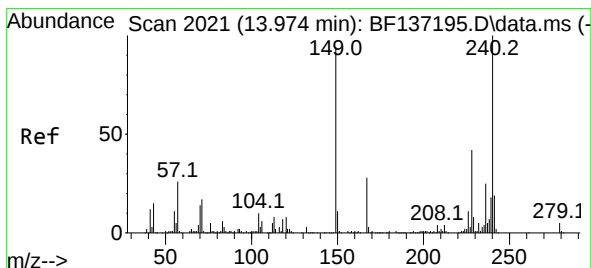
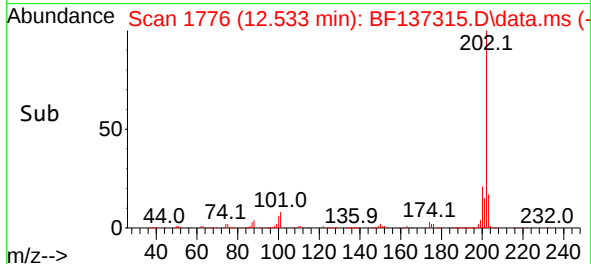
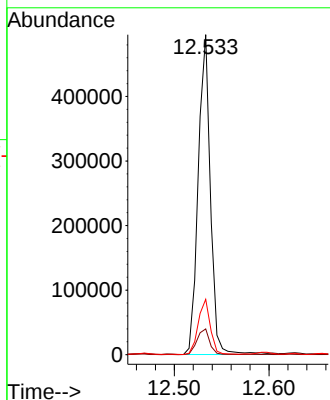
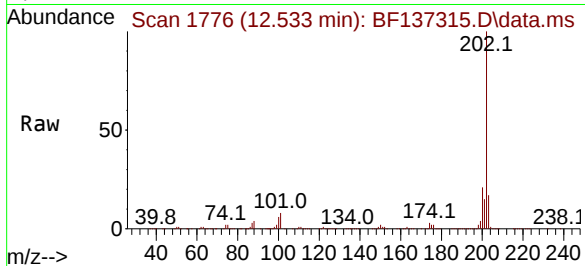




#75
Fluoranthene
Concen: 33.951 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

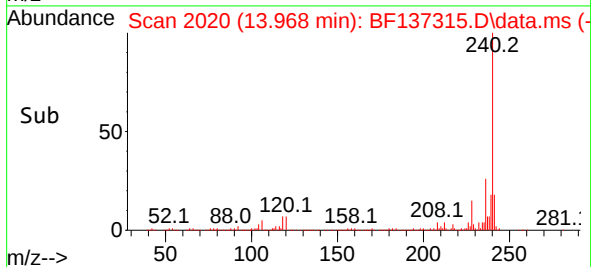
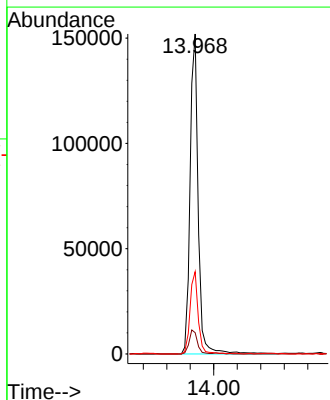
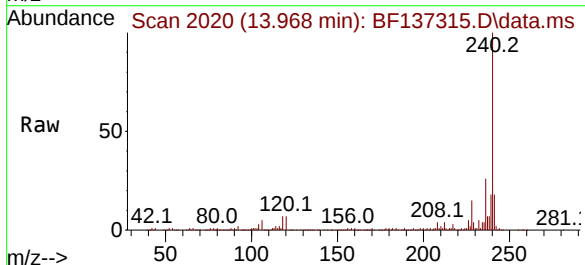
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

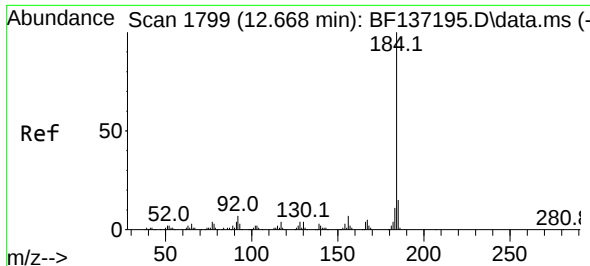
Tgt Ion:202 Resp: 444162
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:240 Resp: 144926
Ion Ratio Lower Upper
240 100
120 6.7 6.3 9.5
236 25.7 20.3 30.5

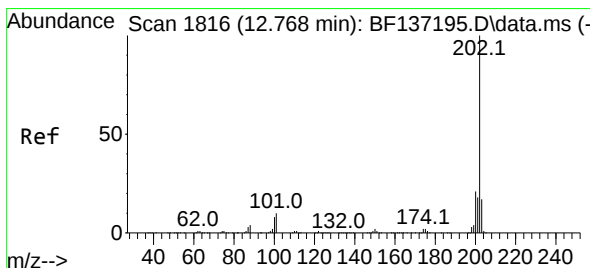
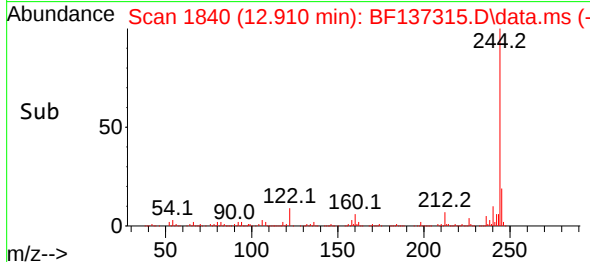
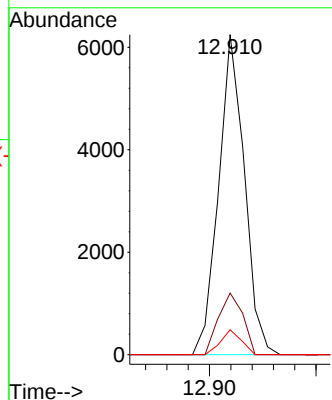
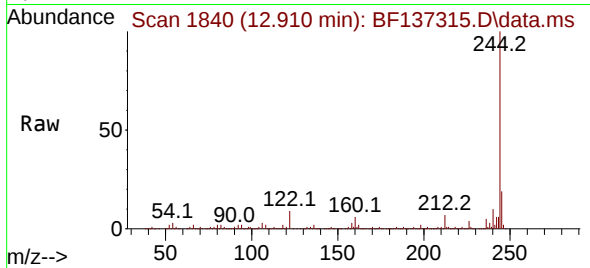




#77
Benzidine
Concen: 2.028 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

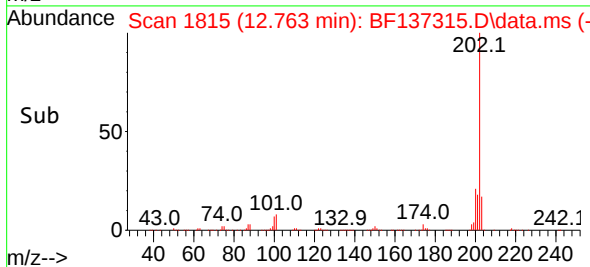
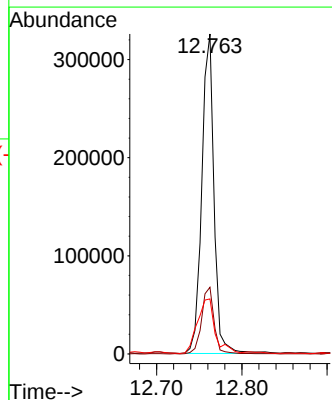
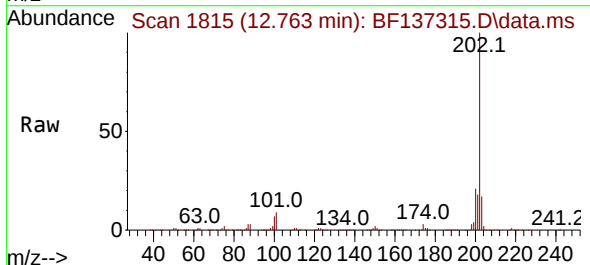
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

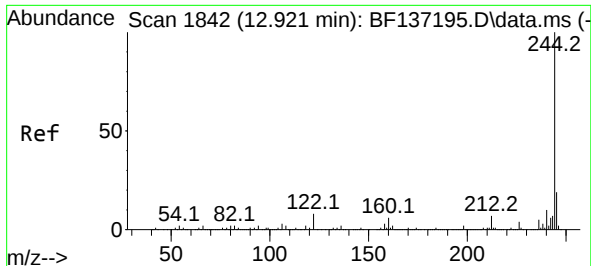
Tgt Ion:184 Resp: 5262
Ion Ratio Lower Upper
184 100
185 19.3 11.9 17.9#
183 7.8 8.8 13.2#



#78
Pyrene
Concen: 23.266 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:202 Resp: 324034
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 17.2 13.8 20.6

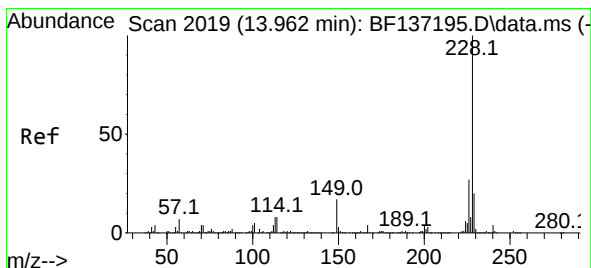
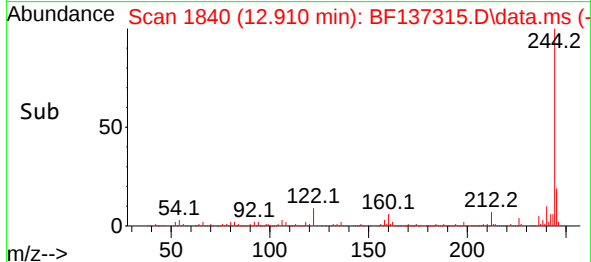
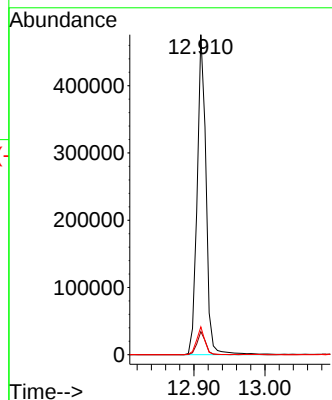
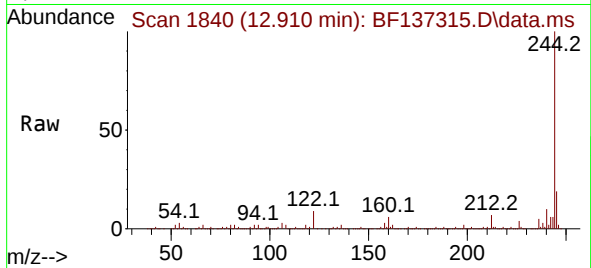




#79
 Terphenyl-d14
 Concen: 38.924 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF137315.D
 Acq: 07 Feb 2024 12:18

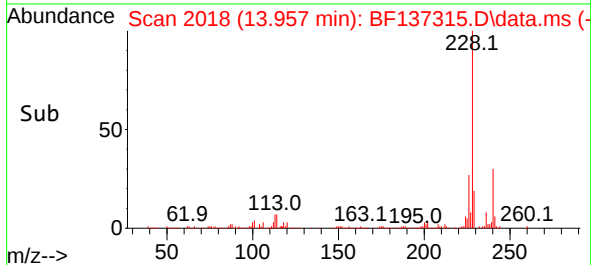
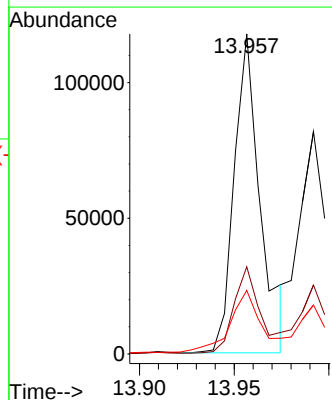
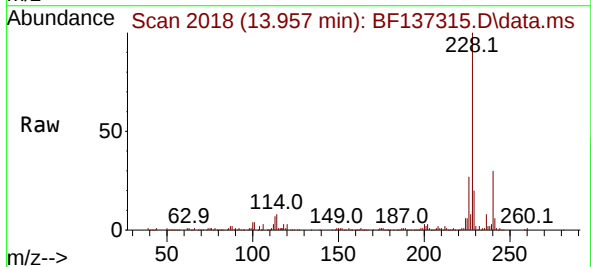
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214DL

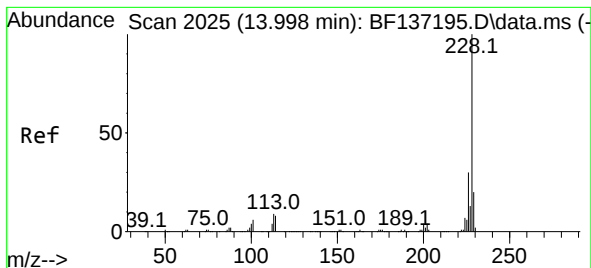
Tgt Ion:244 Resp: 414959
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 8.7 6.2 9.4



#81
 Benzo(a)anthracene
 Concen: 10.923 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF137315.D
 Acq: 07 Feb 2024 12:18

Tgt Ion:228 Resp: 112114
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 19.8 15.8 23.6





#83

Chrysene

Concen: 8.521 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

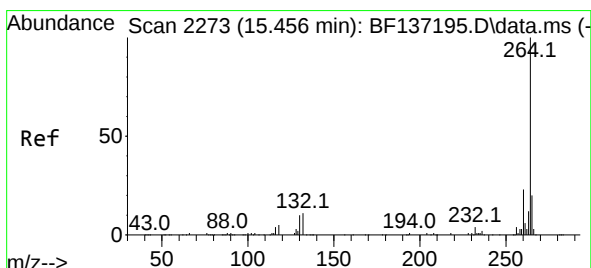
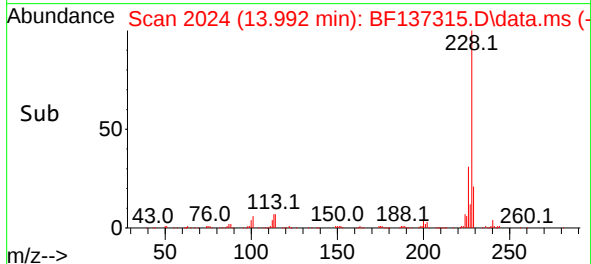
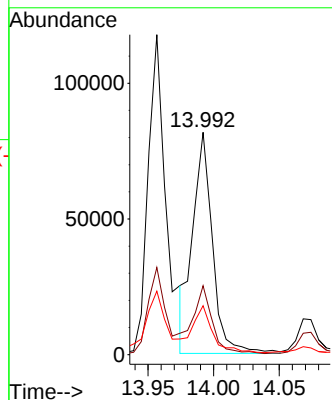
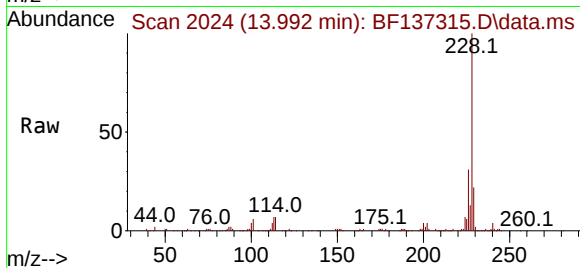
Tgt Ion:228 Resp: 85979

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 22.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

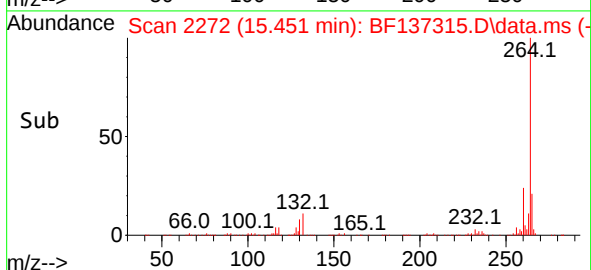
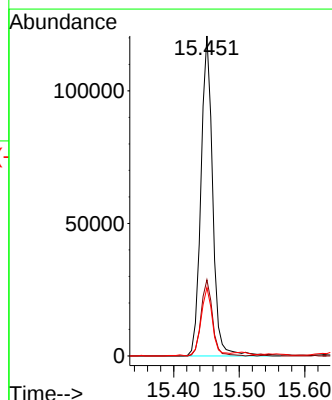
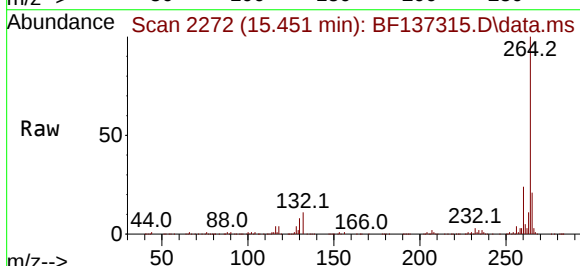
Tgt Ion:264 Resp: 151187

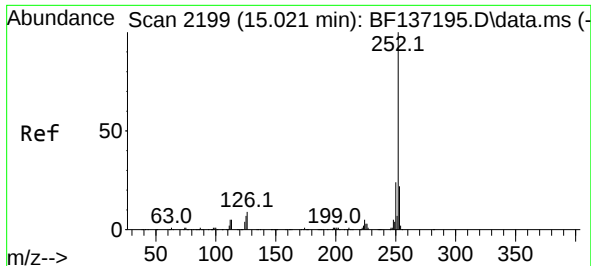
Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 21.3 16.2 24.2

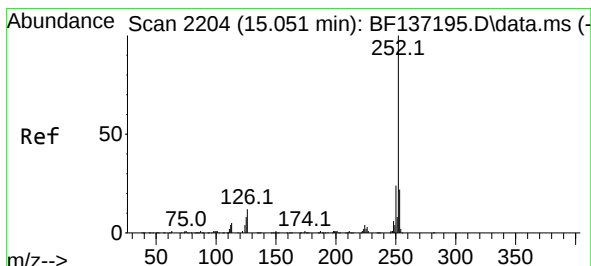
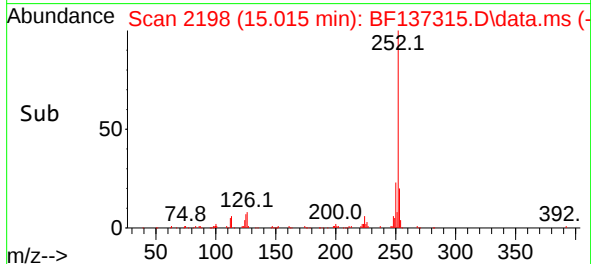
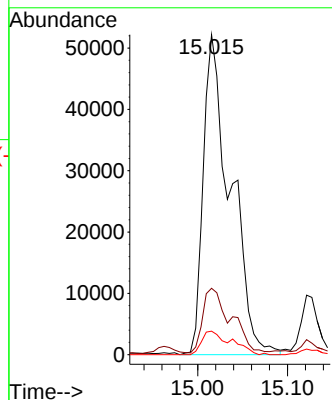
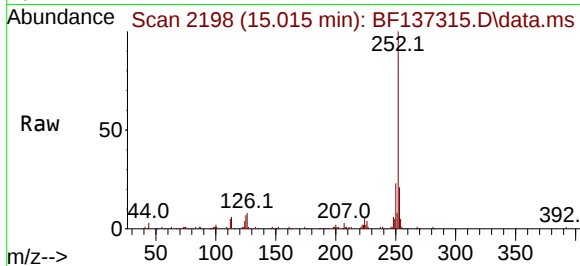




#88
Benzo(b)fluoranthene
Concen: 11.822 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

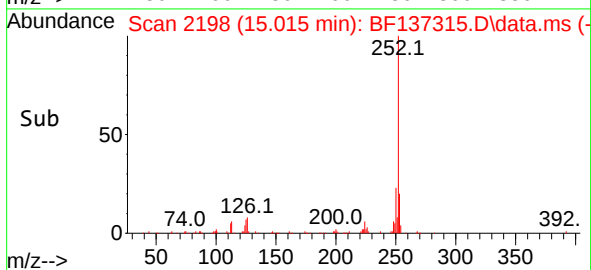
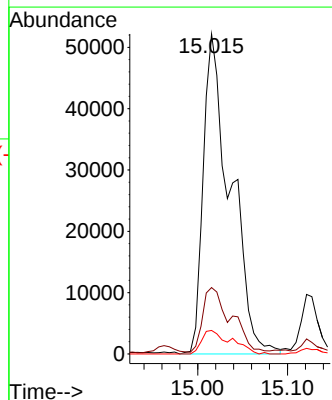
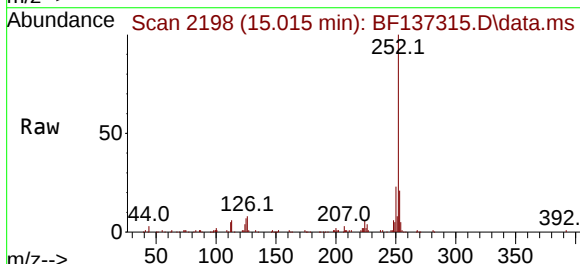
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

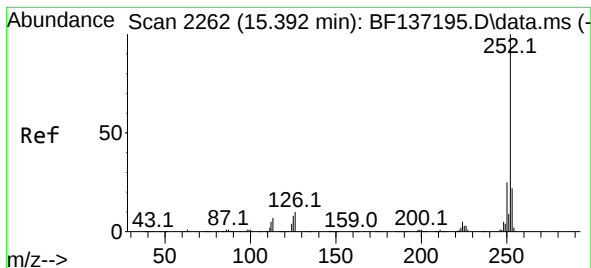
Tgt Ion:252 Resp: 109923
Ion Ratio Lower Upper
252 100
253 20.7 17.9 26.9
125 7.3 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 11.175 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:252 Resp: 109923
Ion Ratio Lower Upper
252 100
253 20.7 17.0 25.6
125 7.3 5.9 8.9





#90

Benzo(a)pyrene

Concen: 5.283 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

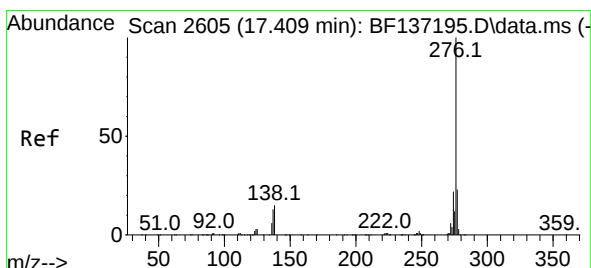
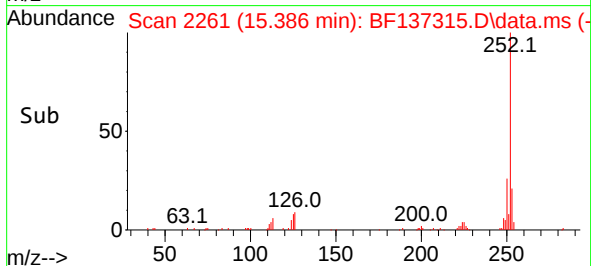
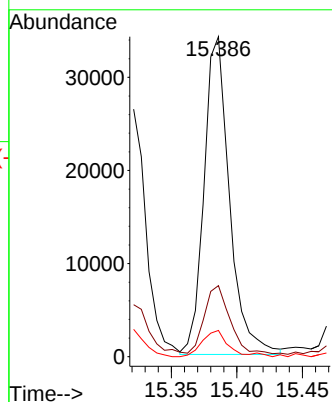
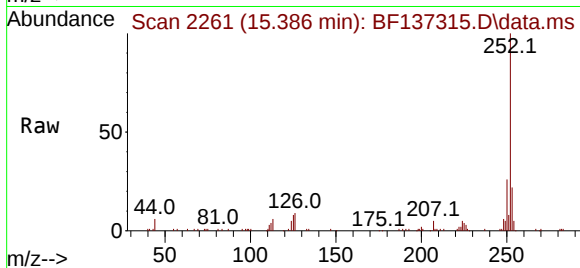
Tgt Ion:252 Resp: 46230

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 8.2 6.5 9.7



#92

Benzo(g,h,i)perylene

Concen: 2.256 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.024 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Tgt Ion:276 Resp: 18849

Ion Ratio Lower Upper

276 100

277 21.4 18.4 27.6

138 14.2 11.8 17.8

