

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
 Data File : BF137319.D
 Acq On : 07 Feb 2024 14:43
 Operator : CG\JU
 Sample : P1367-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-7-5-7

Quant Time: Feb 07 15:12:29 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)

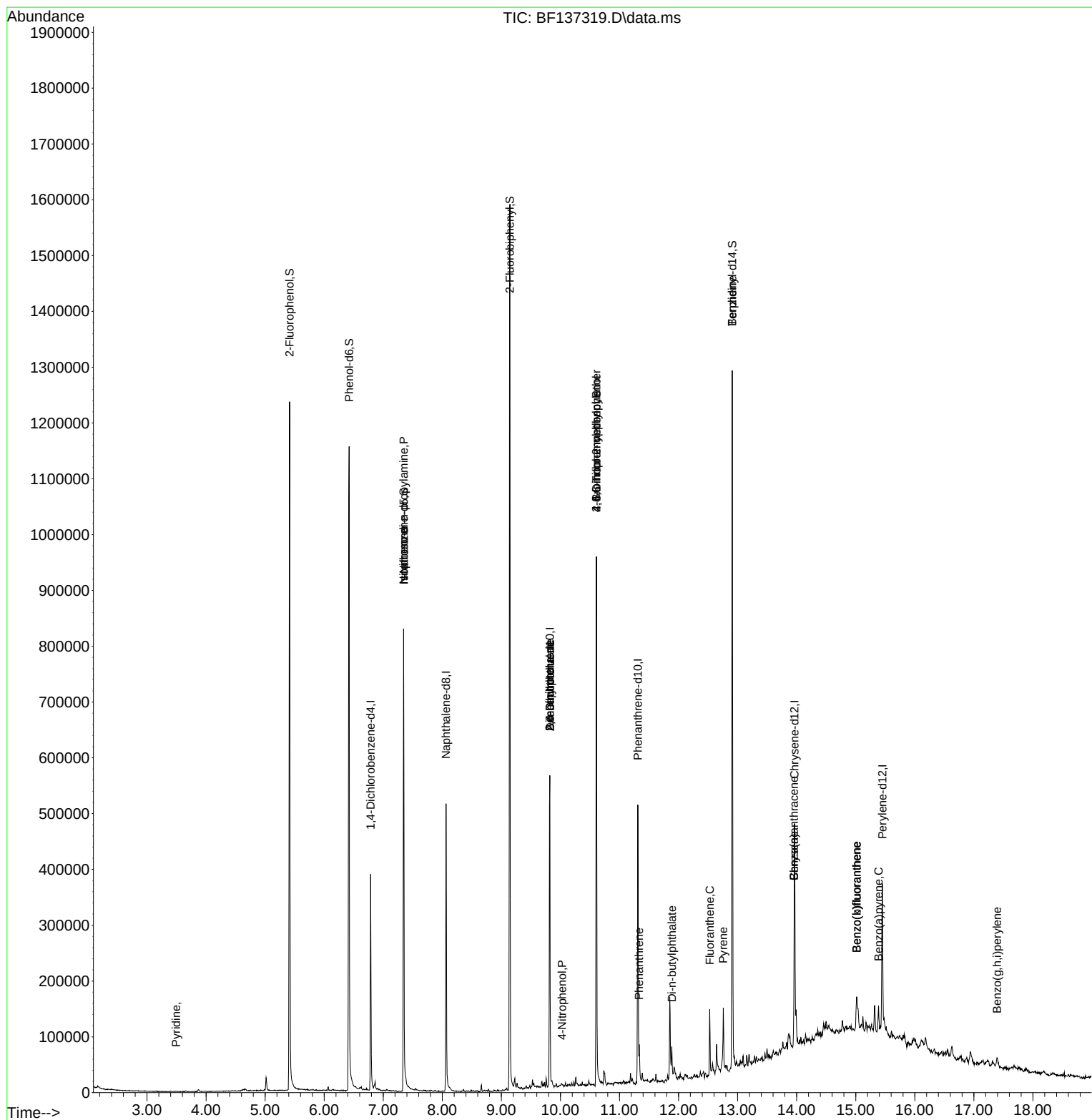
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	53826	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	208873	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	117256	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	189013	20.000	ng	0.00
76) Chrysene-d12	13.962	240	132271	20.000	ng	-0.01
86) Perylene-d12	15.451	264	131566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	291509	89.365	ng	0.00
7) Phenol-d6	6.422	99	403266	86.626	ng	0.00
23) Nitrobenzene-d5	7.345	82	267208	57.276	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	103396	78.080	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	490097	57.457	ng	0.00
79) Terphenyl-d14	12.910	244	429509	44.144	ng	-0.01
Target Compounds						
						Qvalue
3) Pyridine	3.493	79	53	3.050	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	37559	11.767	ng	# 78
25) Isophorone	7.345	82	267205	31.030	ng	# 67
50) Dimethylphthalate	9.822	163	22076	2.787	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	14529	8.601	ng	# 17
56) 4-Nitrophenol	10.027	139	304	8.710	ng	# 34
57) 2,4-Dinitrotoluene	9.822	165	14529	6.629	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.610	198	195	5.627	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	7095	3.414	ng	# 1
71) Phenanthrene	11.333	178	21508	2.174	ng	95
74) Di-n-butylphthalate	11.886	149	19790	2.124	ng	99
75) Fluoranthene	12.527	202	47759	4.612	ng	97
77) Benzidine	12.910	184	5741	2.424	ng	# 91
78) Pyrene	12.757	202	44282	3.484	ng	98
81) Benzo(a)anthracene	13.957	228	27426	2.928	ng	94
83) Chrysene	13.957	228	27426	2.978	ng	97
88) Benzo(b)fluoranthene	15.015	252	49025	6.059	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	49025	5.728	ng	# 94
90) Benzo(a)pyrene	15.386	252	25076	3.293	ng	# 97
92) Benzo(g,h,i)perylene	17.392	276	16408	2.257	ng	97

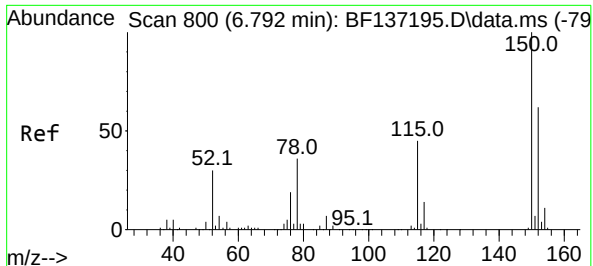
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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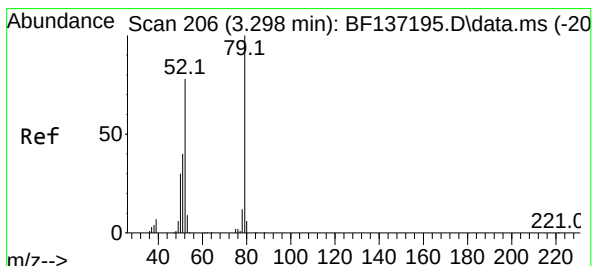
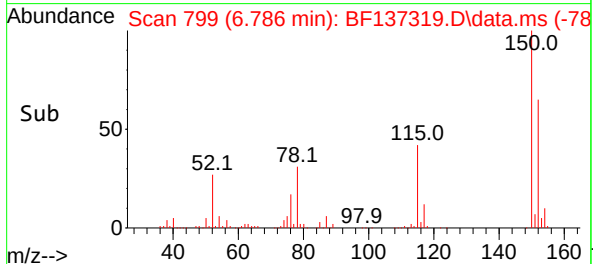
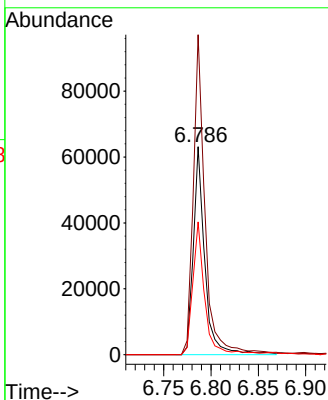
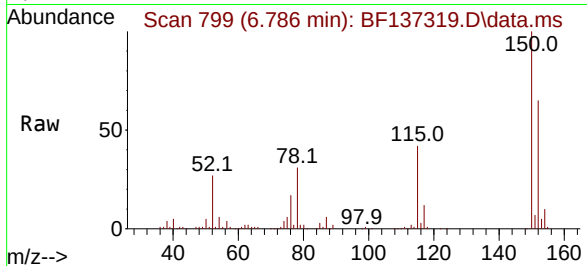




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

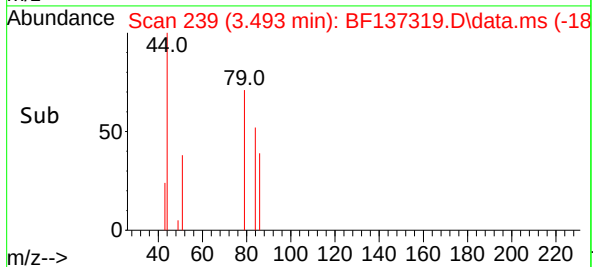
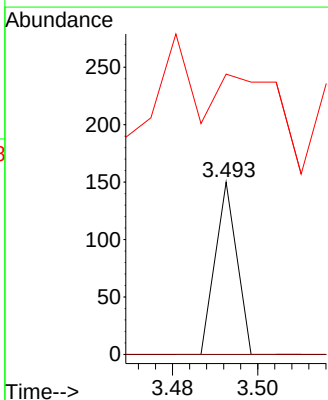
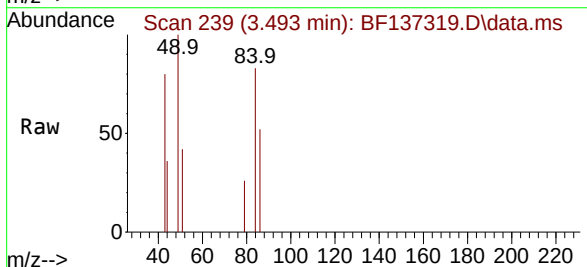
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

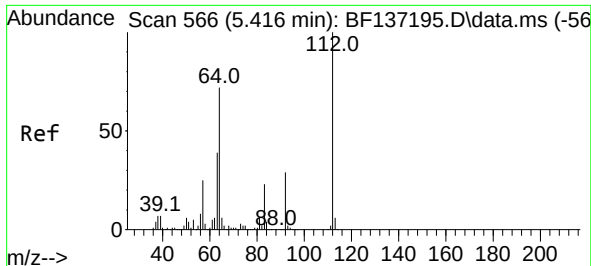
Tgt Ion:152 Resp: 53826
Ion Ratio Lower Upper
152 100
150 153.8 129.8 194.8
115 63.9 58.5 87.7



#3
Pyridine
Concen: 3.050 ng
RT: 3.493 min Scan# 239
Delta R.T. 0.195 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion: 79 Resp: 53
Ion Ratio Lower Upper
79 100
52 0.0 62.6 94.0#
51 162.7 33.0 49.4#

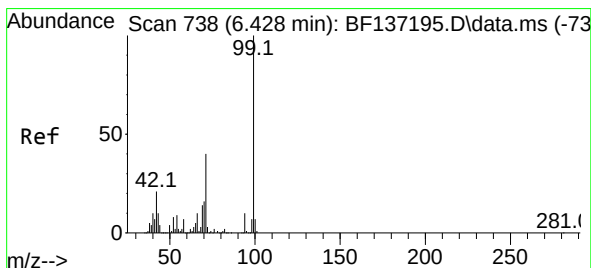
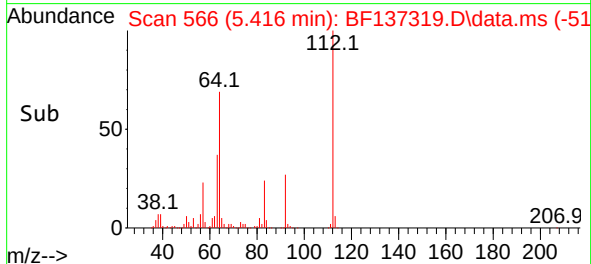
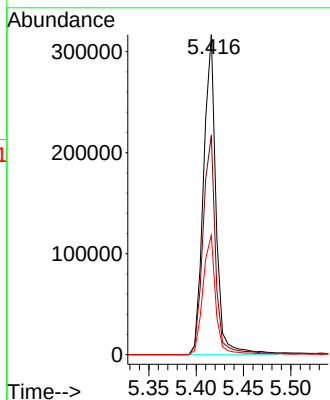
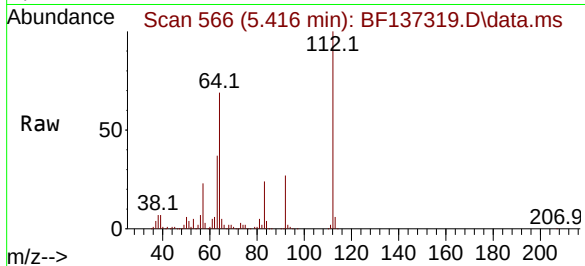




#5
2-Fluorophenol
Concen: 89.365 ng
RT: 5.416 min Scan# 509
Delta R.T. -0.000 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

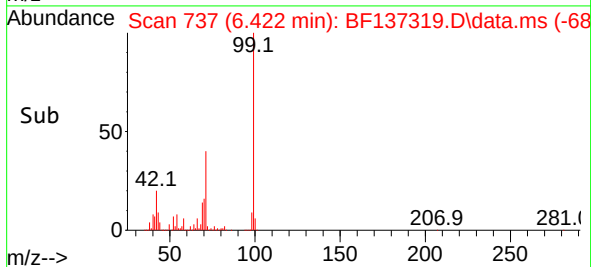
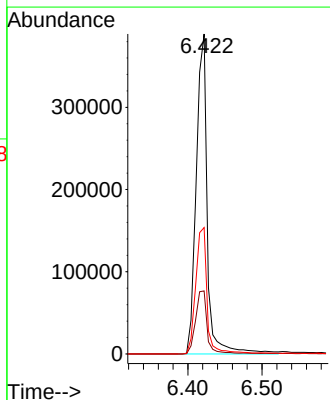
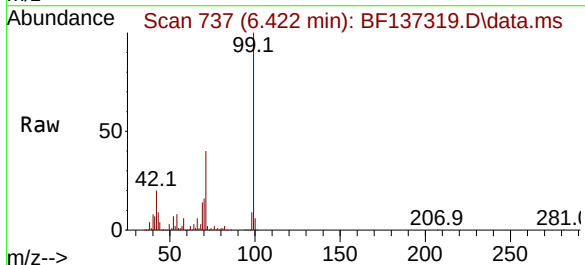
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

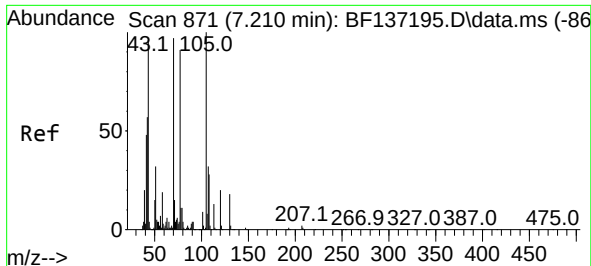
Tgt Ion:112 Resp: 291509
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.6
63 37.3 31.4 47.0



#7
Phenol-d6
Concen: 86.626 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion: 99 Resp: 403266
Ion Ratio Lower Upper
99 100
42 19.7 16.4 24.6
71 39.5 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 11.767 ng

RT: 7.345 min Scan# 894

Delta R.T. 0.135 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

Tgt Ion: 70 Resp: 37559

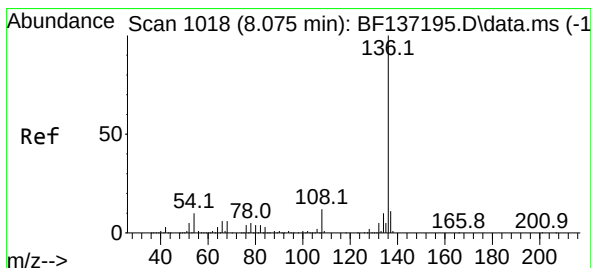
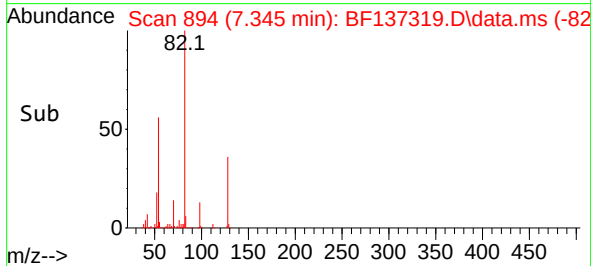
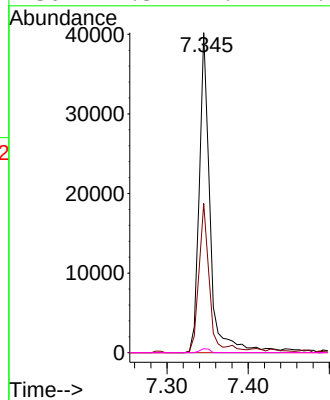
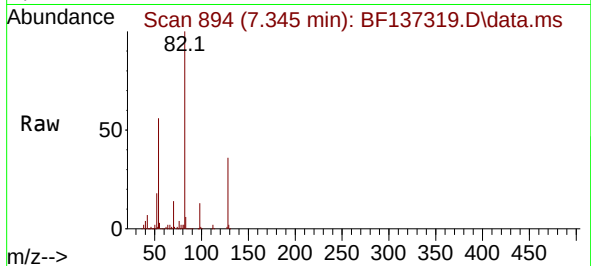
Ion Ratio Lower Upper

70 100

42 46.6 47.2 70.8#

101 0.0 7.4 11.0#

130 1.3 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Tgt Ion: 136 Resp: 208873

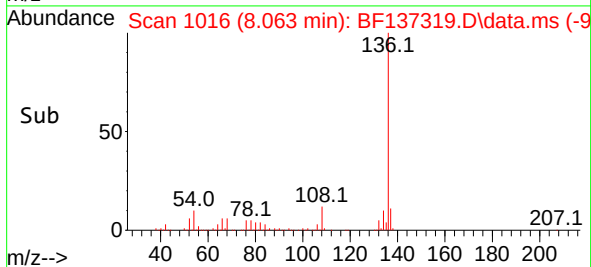
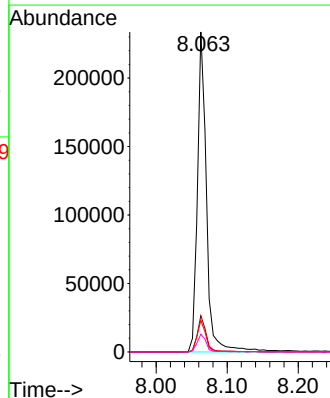
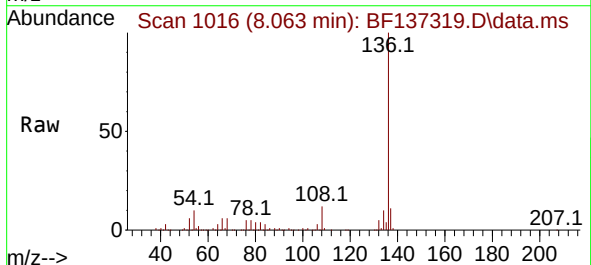
Ion Ratio Lower Upper

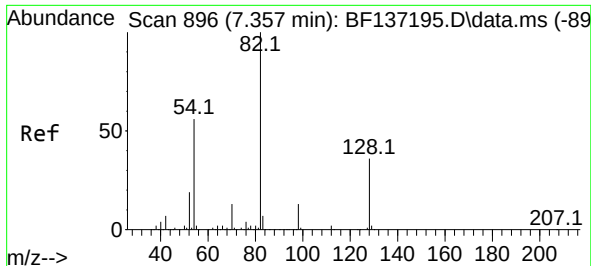
136 100

137 11.3 8.9 13.3

54 9.9 7.8 11.8

68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 57.276 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

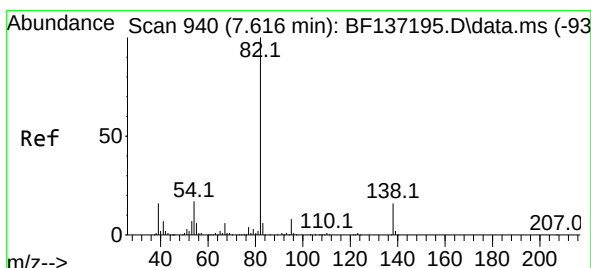
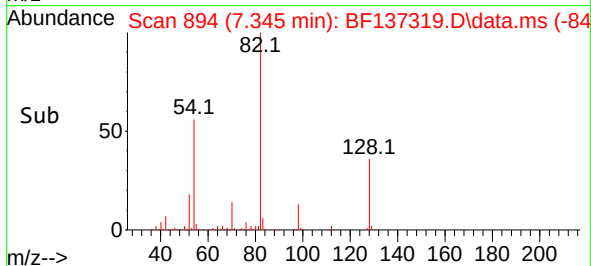
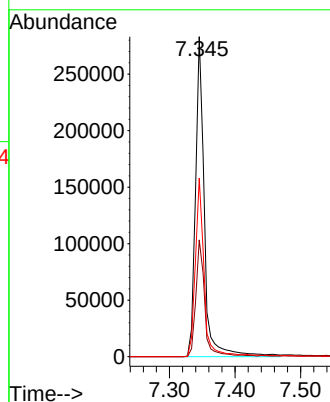
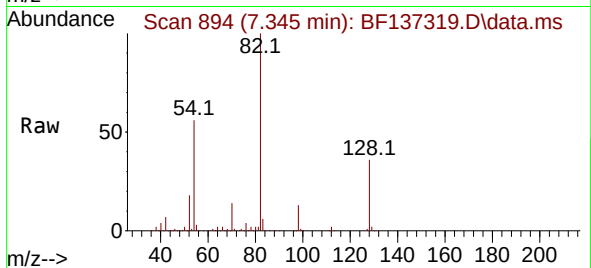
Tgt Ion: 82 Resp: 267208

Ion Ratio Lower Upper

82 100

128 36.5 29.1 43.7

54 55.8 45.0 67.6



#25

Isophorone

Concen: 31.030 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

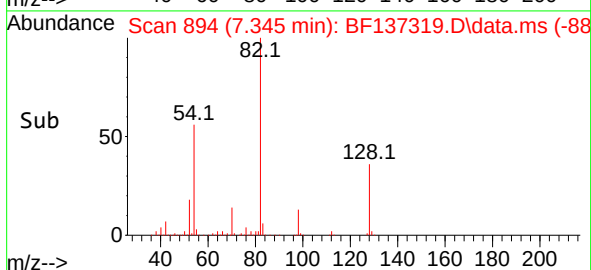
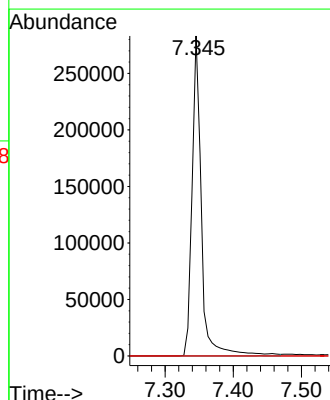
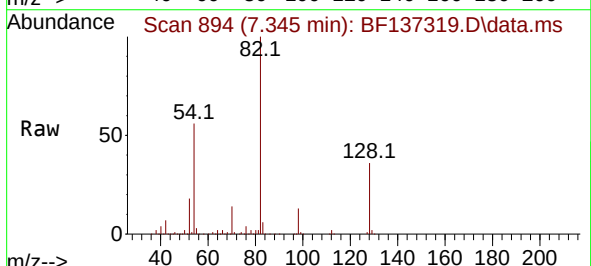
Tgt Ion: 82 Resp: 267205

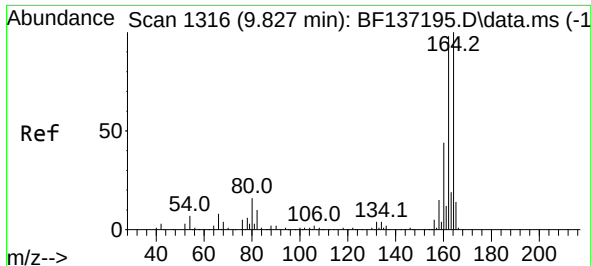
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

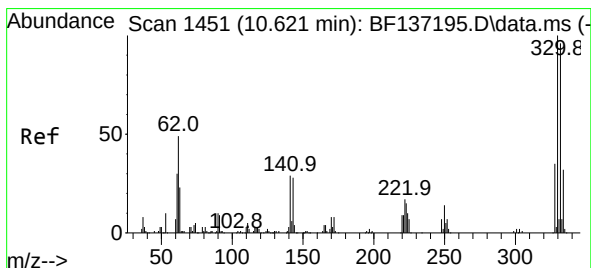
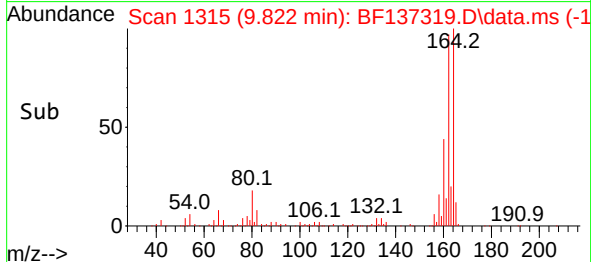
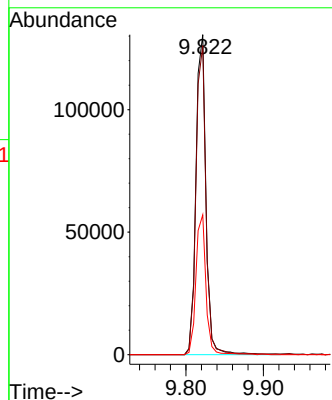
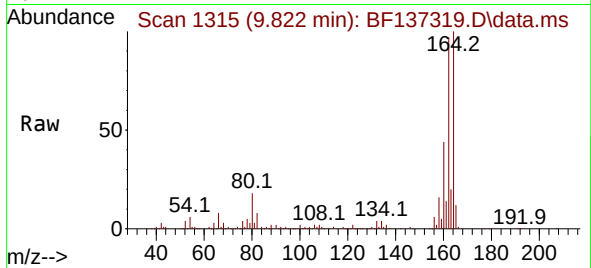




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

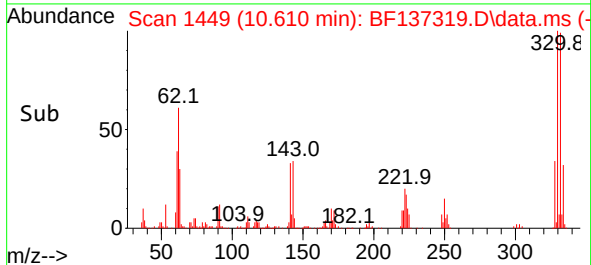
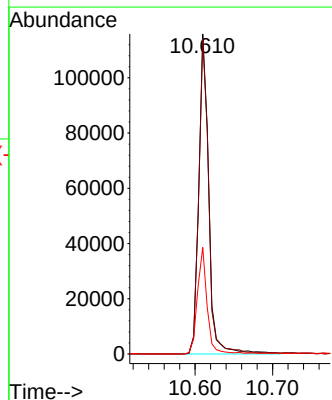
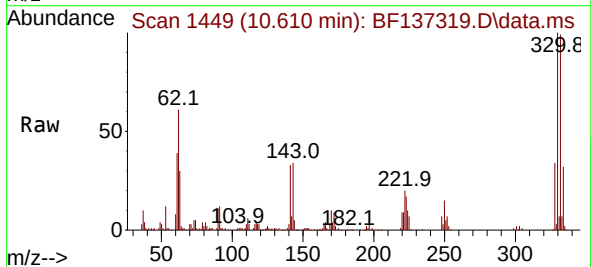
Instrument :
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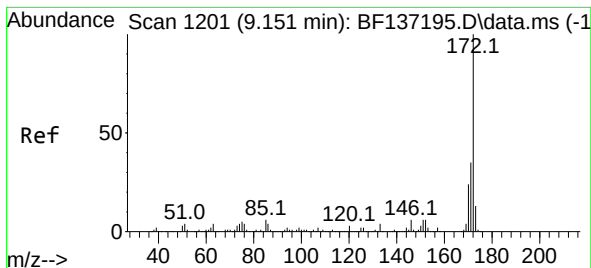
Tgt Ion:164 Resp: 117256
Ion Ratio Lower Upper
164 100
162 96.5 78.3 117.5
160 43.7 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 78.080 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:330 Resp: 103396
Ion Ratio Lower Upper
330 100
332 98.6 77.3 115.9
141 32.9 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 57.457 ng

RT: 9.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

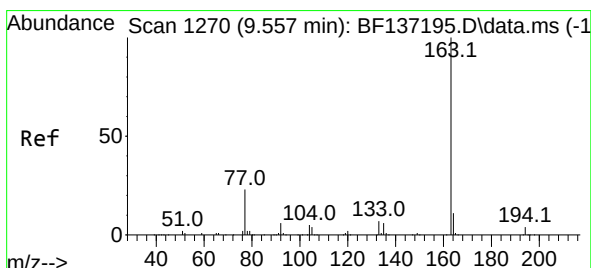
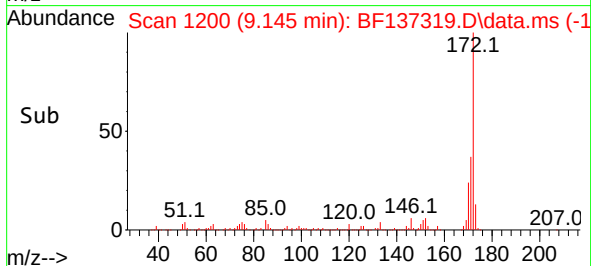
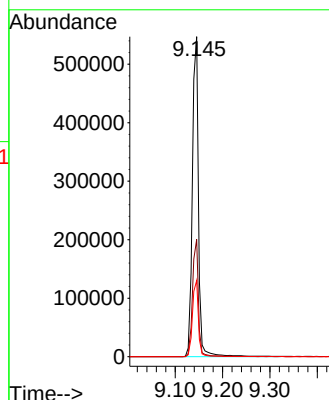
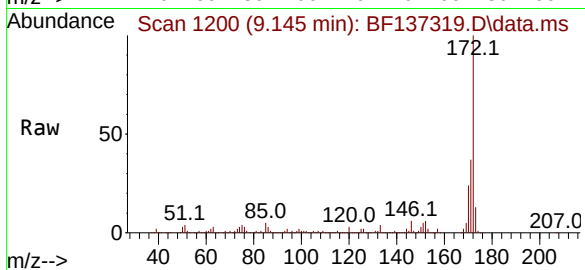
Tgt Ion:172 Resp: 490097

Ion Ratio Lower Upper

172 100

171 36.7 28.3 42.5

170 23.8 19.1 28.7



#50

Dimethylphthalate

Concen: 2.787 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

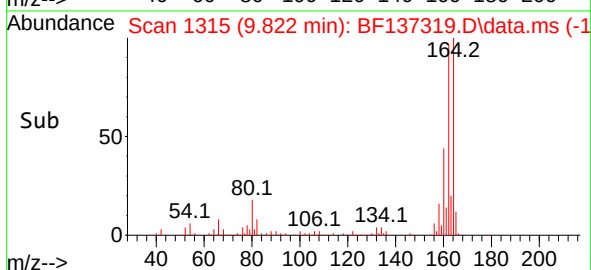
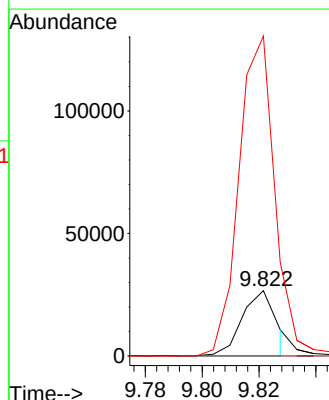
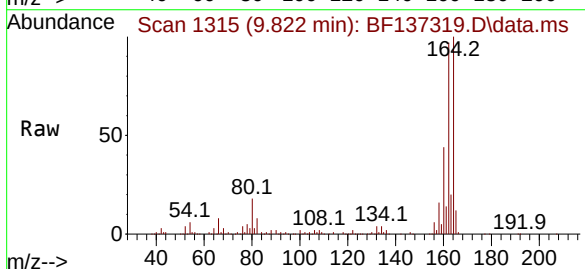
Tgt Ion:163 Resp: 22076

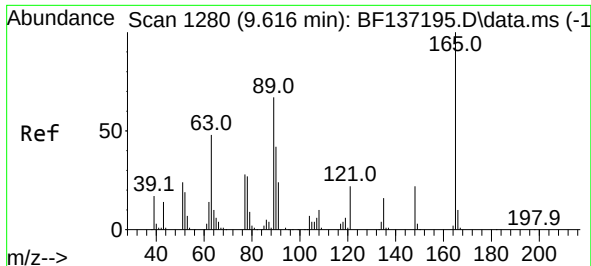
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 490.6 8.6 13.0#





#51

2,6-Dinitrotoluene

Concen: 8.601 ng

RT: 9.822 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

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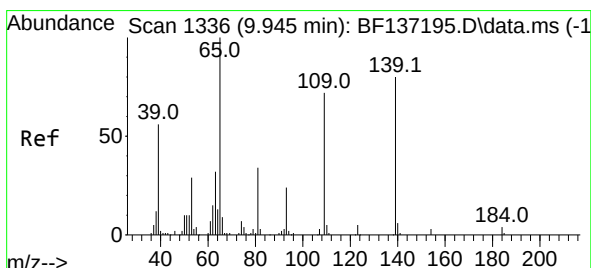
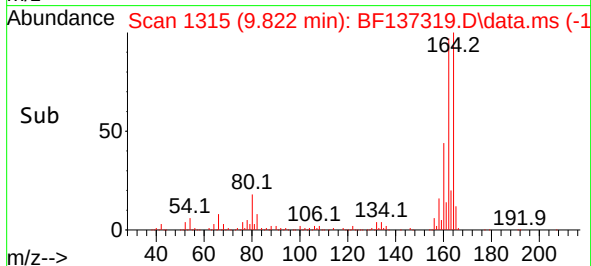
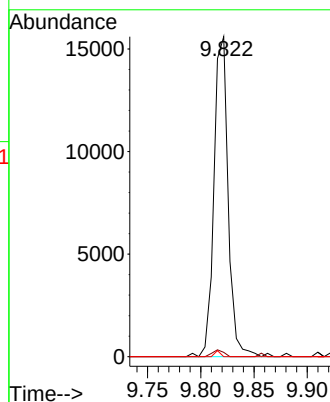
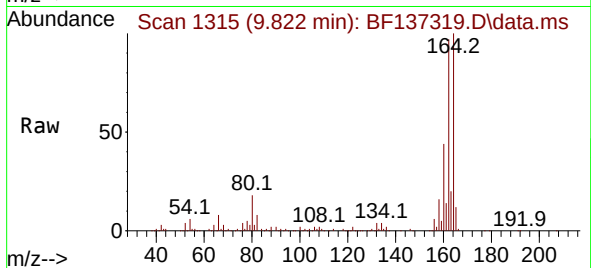
Tgt Ion:165 Resp: 14529

Ion Ratio Lower Upper

165 100

63 1.3 55.1 82.7#

89 0.0 53.5 80.3#



#56

4-Nitrophenol

Concen: 8.710 ng

RT: 10.027 min Scan# 1350

Delta R.T. 0.082 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

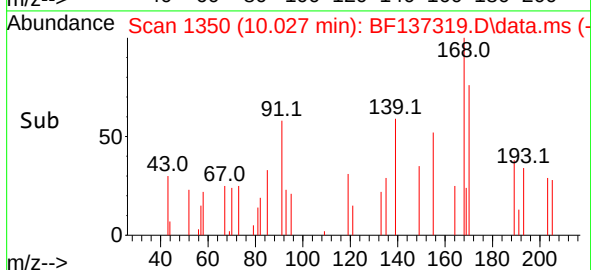
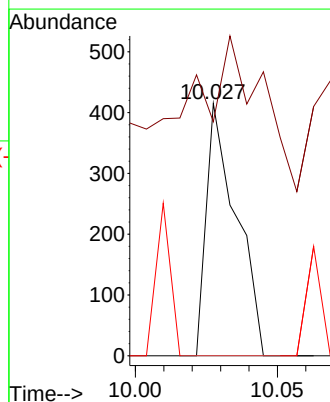
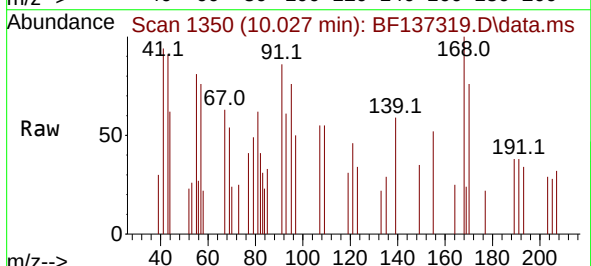
Tgt Ion:139 Resp: 304

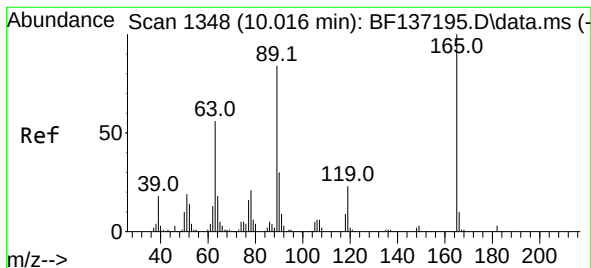
Ion Ratio Lower Upper

139 100

109 92.8 70.4 110.4

65 0.0 107.6 147.6#

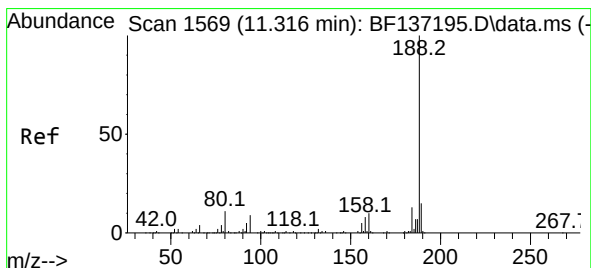
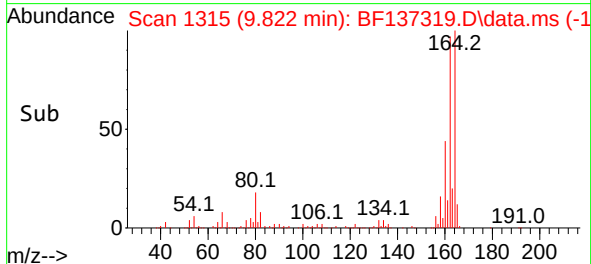
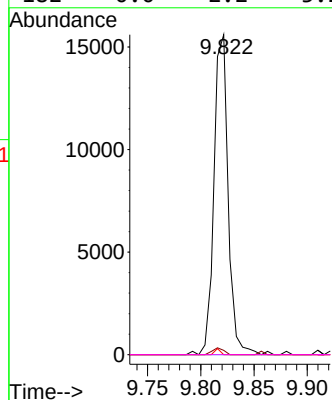
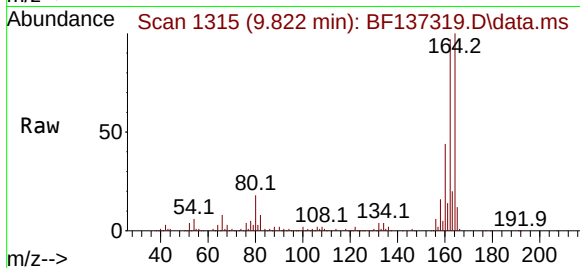




#57
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

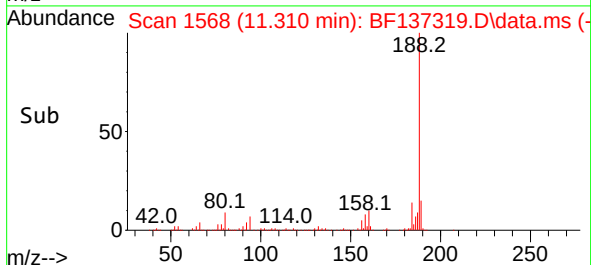
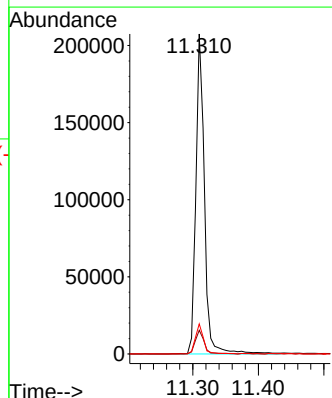
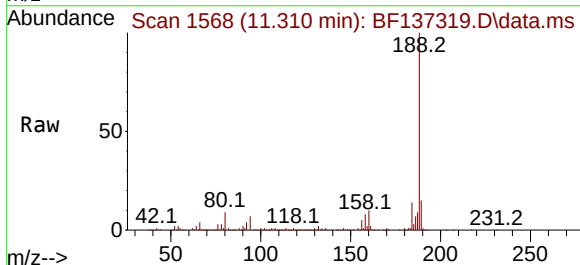
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

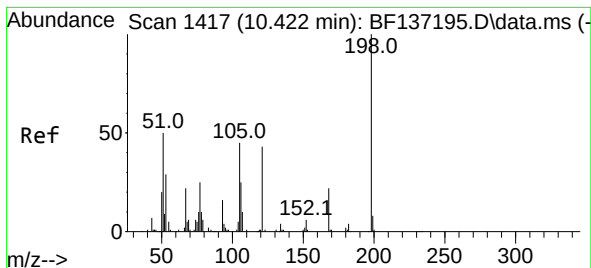
Tgt Ion:165 Resp: 14529
Ion Ratio Lower Upper
165 100
63 1.3 46.1 69.1#
89 0.0 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:188 Resp: 189013
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 9.4 8.8 13.2

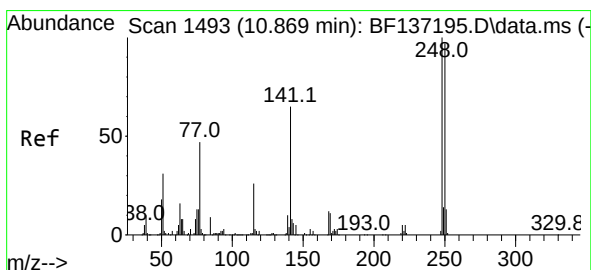
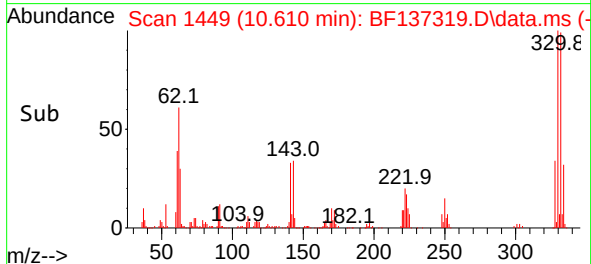
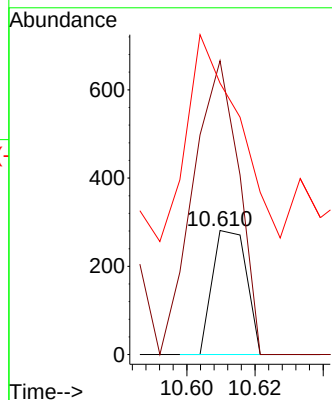
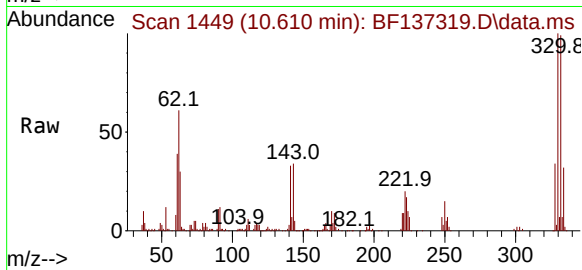




#65
4,6-Dinitro-2-methylphenol
Concen: 5.627 ng
RT: 10.610 min Scan# 1417
Delta R.T. 0.188 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

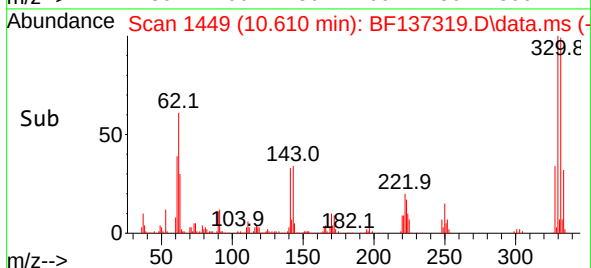
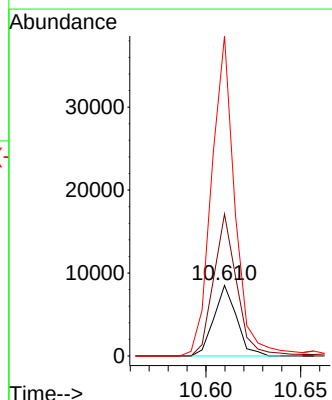
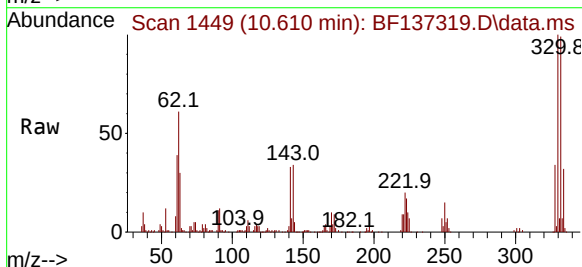
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

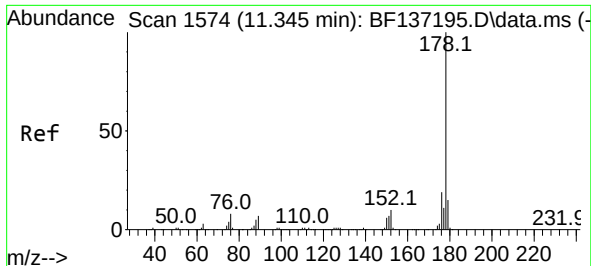
Tgt Ion:198 Resp: 195
Ion Ratio Lower Upper
198 100
51 237.0 40.9 80.9#
105 218.9 26.5 66.5#



#67
4-Bromophenyl-phenylether
Concen: 3.414 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.259 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:248 Resp: 7095
Ion Ratio Lower Upper
248 100
250 201.0 77.7 116.5#
141 453.2 51.6 77.4#

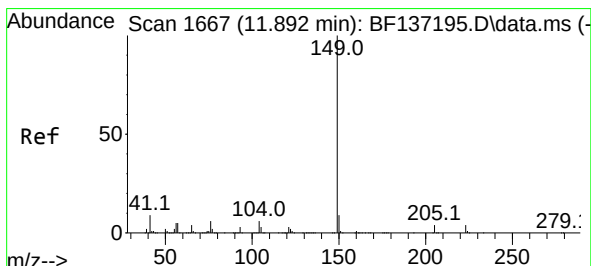
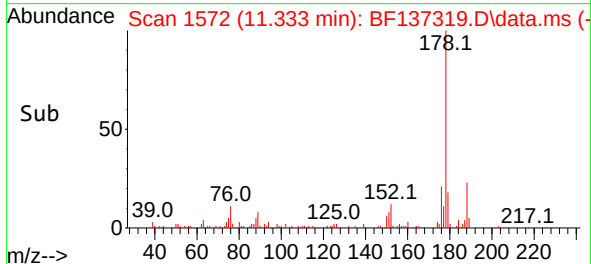
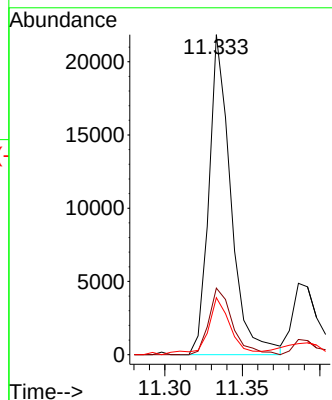
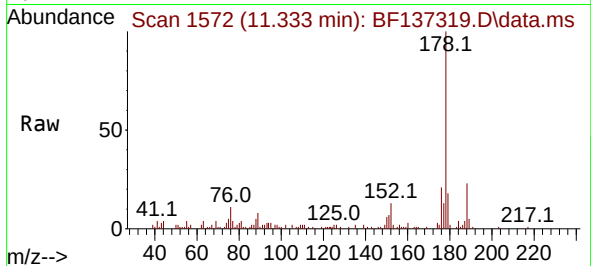




#71
Phenanthrene
Concen: 2.174 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

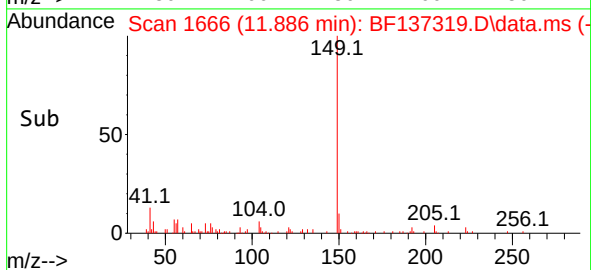
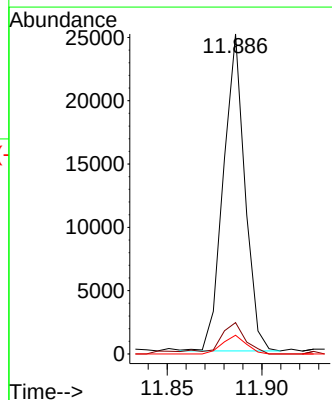
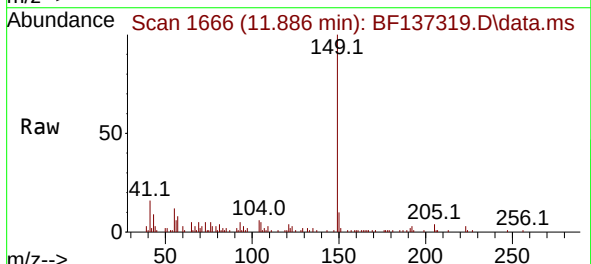
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

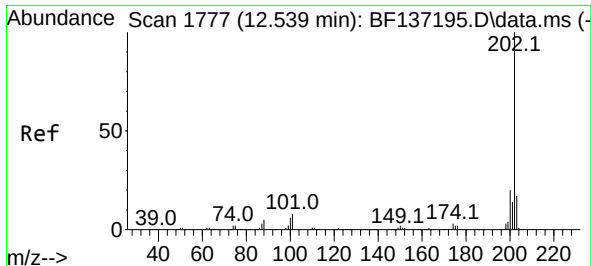
Tgt Ion:178 Resp: 21508
Ion Ratio Lower Upper
178 100
176 20.8 15.1 22.7
179 17.8 12.1 18.1



#74
Di-n-butylphthalate
Concen: 2.124 ng
RT: 11.886 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:149 Resp: 19790
Ion Ratio Lower Upper
149 100
150 9.8 7.4 11.0
104 5.8 4.5 6.7

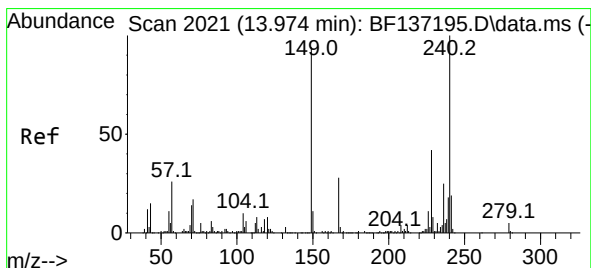
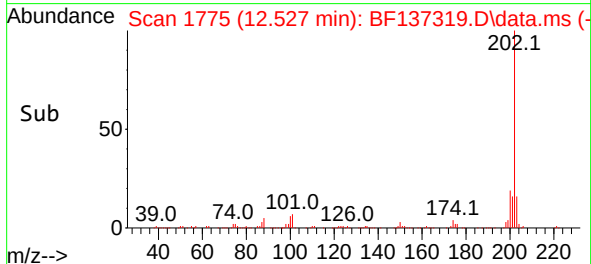
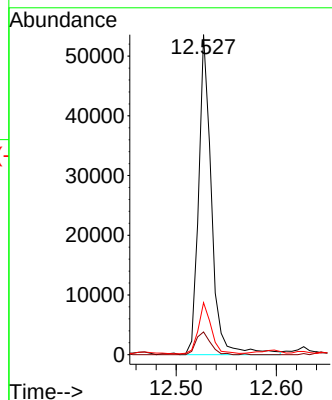
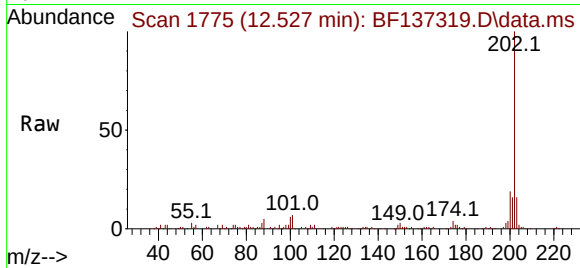




#75
Fluoranthene
Concen: 4.612 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

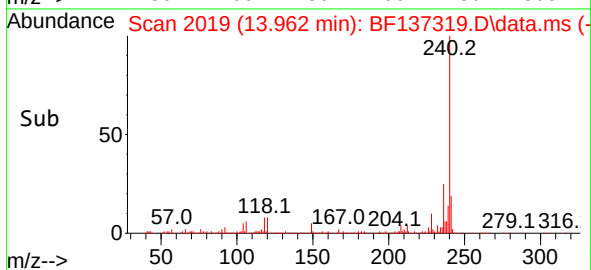
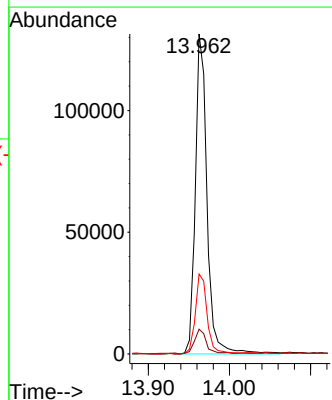
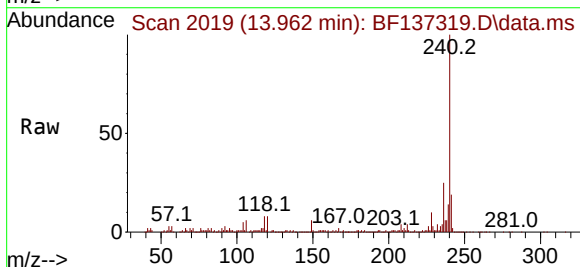
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

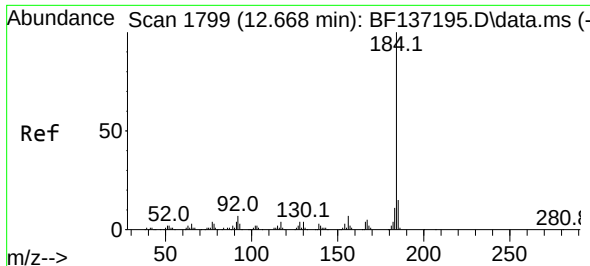
Tgt Ion:202 Resp: 47759
Ion Ratio Lower Upper
202 100
101 7.1 0.0 28.4
203 16.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:240 Resp: 132271
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 25.0 20.3 30.5

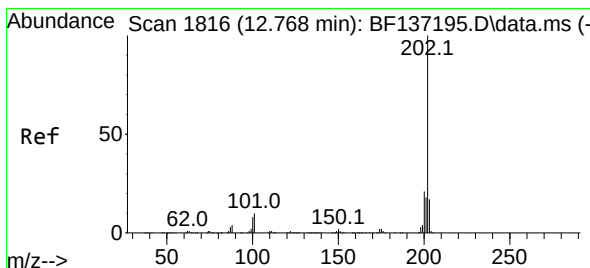
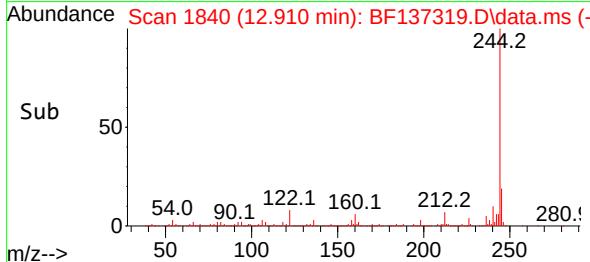
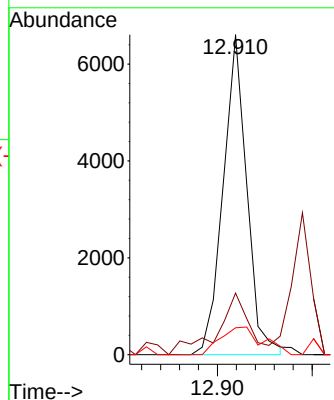
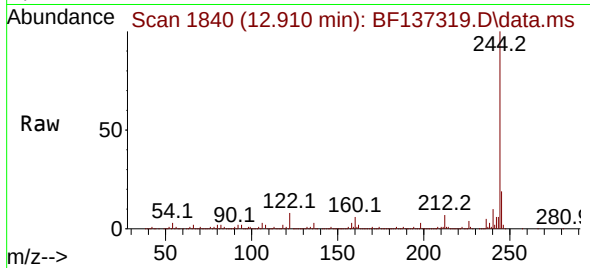




#77
Benzidine
Concen: 2.424 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

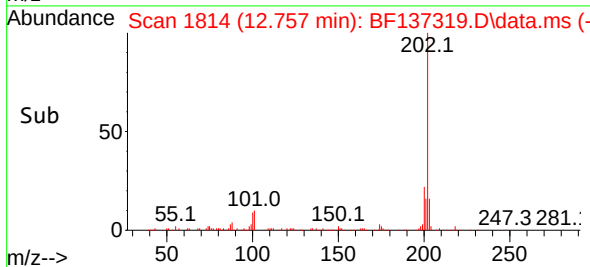
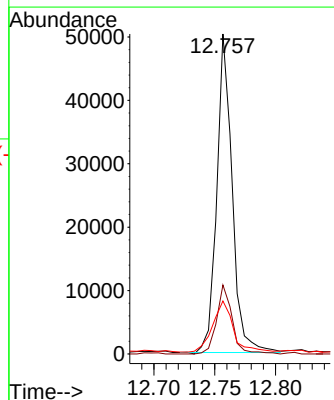
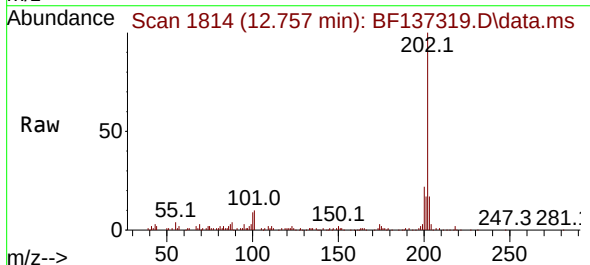
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

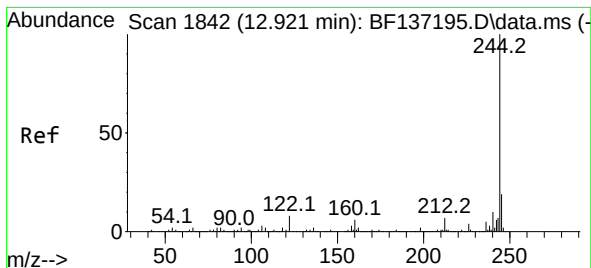
Tgt Ion:184 Resp: 5741
Ion Ratio Lower Upper
184 100
185 19.3 11.9 17.9#
183 8.4 8.8 13.2#



#78
Pyrene
Concen: 3.484 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:202 Resp: 44282
Ion Ratio Lower Upper
202 100
200 21.5 16.5 24.7
203 16.6 13.8 20.6





#79

Terphenyl-d14

Concen: 44.144 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

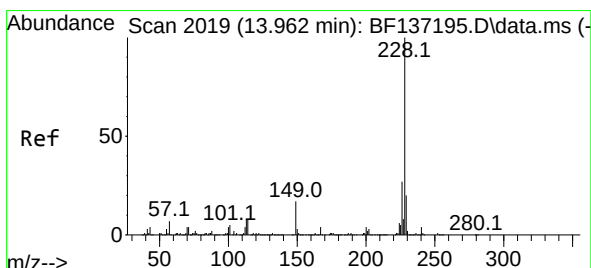
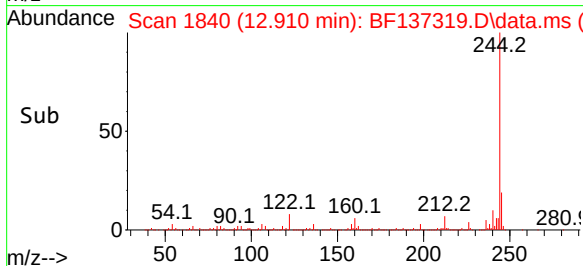
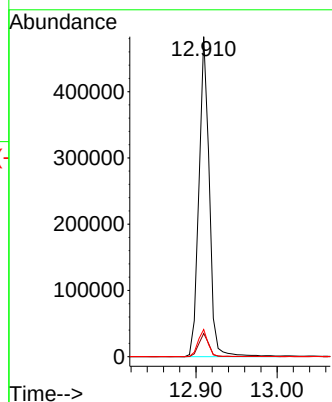
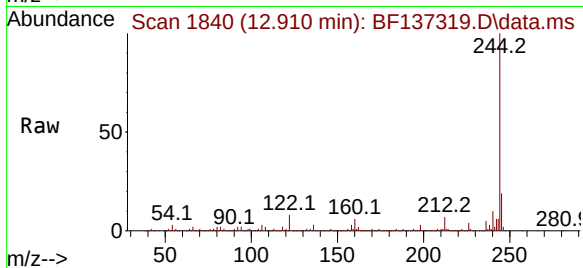
Tgt Ion:244 Resp: 429509

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 8.5 6.2 9.4



#81

Benzo(a)anthracene

Concen: 2.928 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

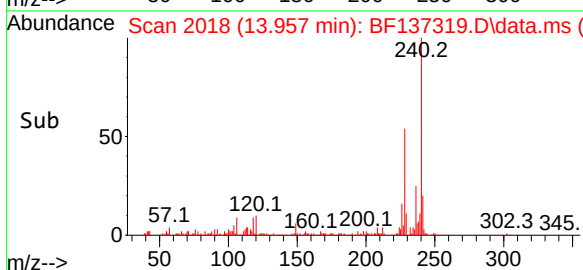
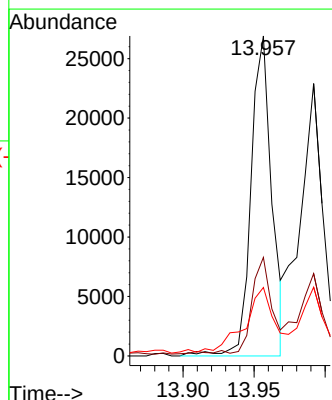
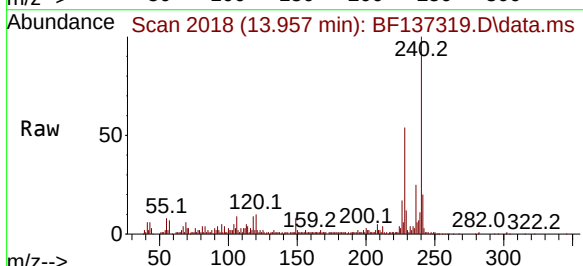
Tgt Ion:228 Resp: 27426

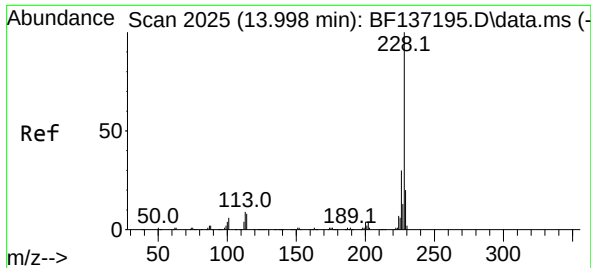
Ion Ratio Lower Upper

228 100

226 30.8 21.6 32.4

229 21.4 15.8 23.6





#83

Chrysene

Concen: 2.978 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

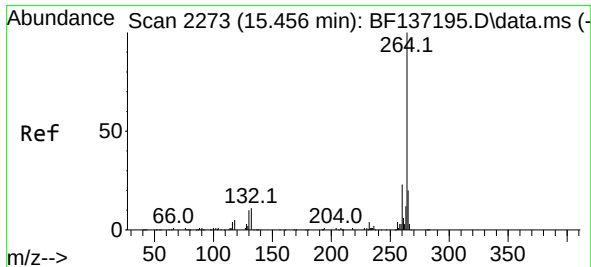
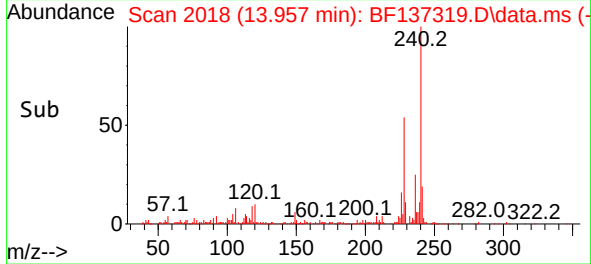
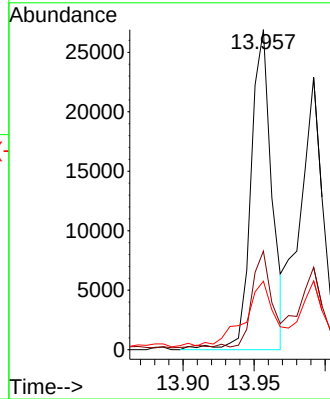
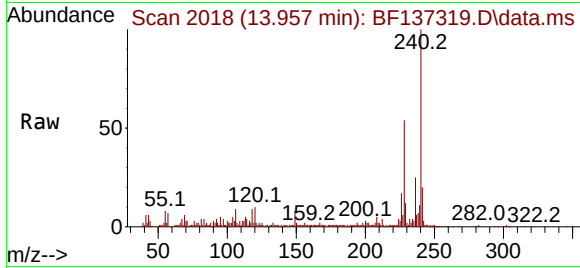
Tgt Ion:228 Resp: 27426

Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

229 21.4 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: BF137319.D

Acq: 07 Feb 2024 14:43

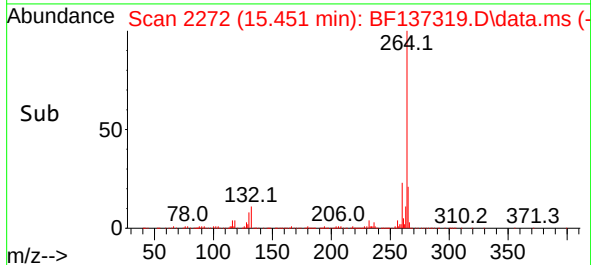
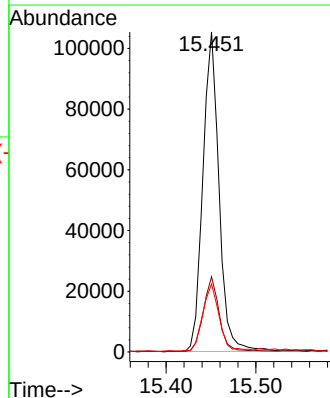
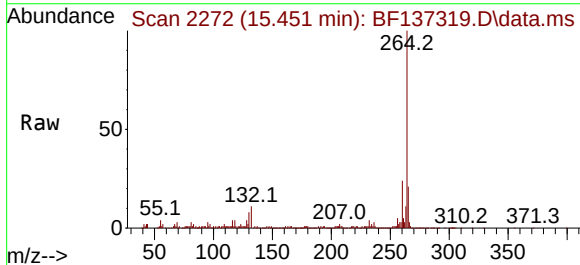
Tgt Ion:264 Resp: 131566

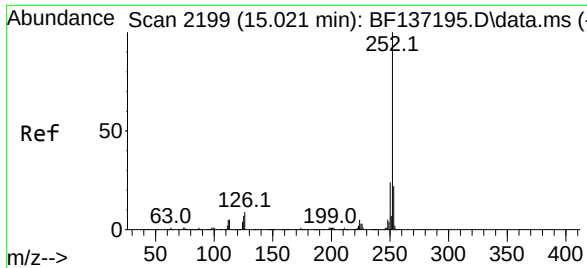
Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 21.2 16.2 24.2

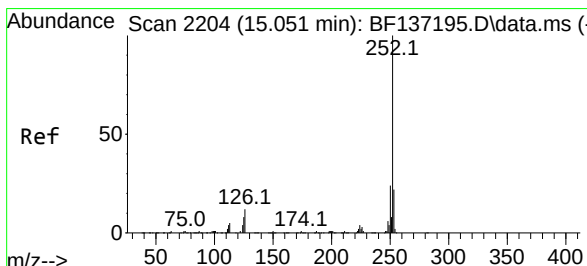
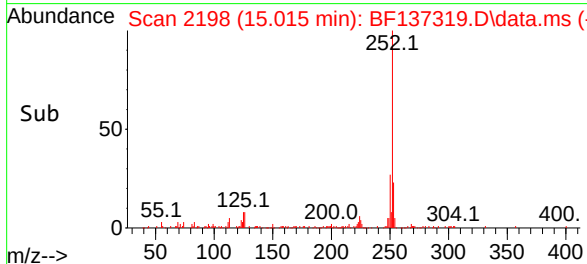
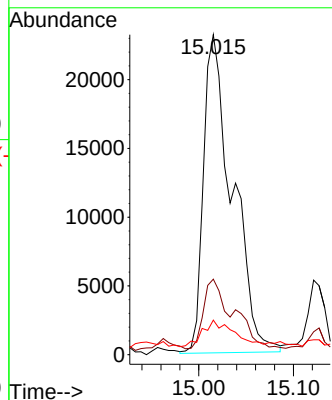
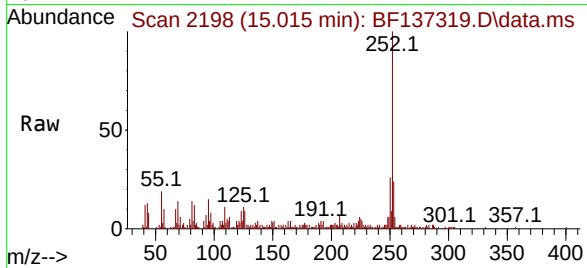




#88
Benzo(b)fluoranthene
Concen: 6.059 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

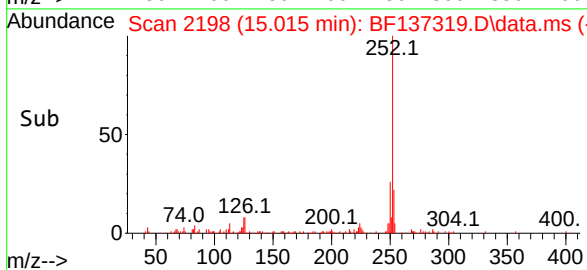
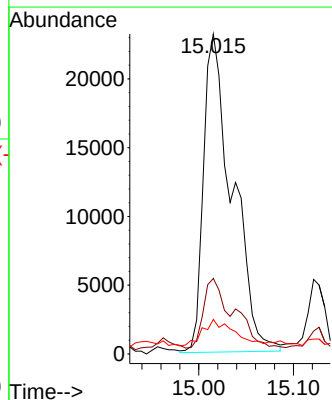
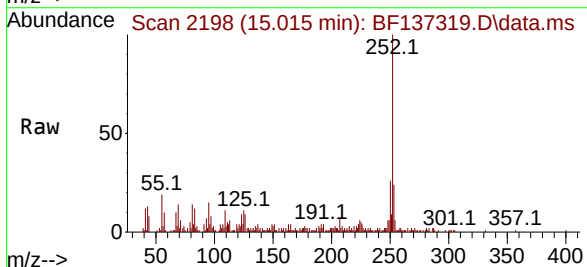
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7

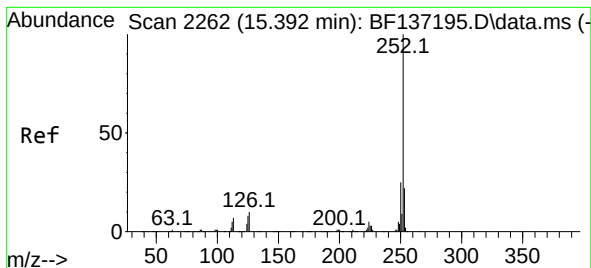
Tgt Ion:252 Resp: 49025
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 10.8 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 5.728 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF137319.D
Acq: 07 Feb 2024 14:43

Tgt Ion:252 Resp: 49025
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 10.8 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 3.293 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7

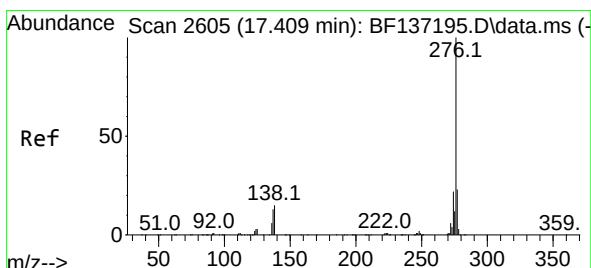
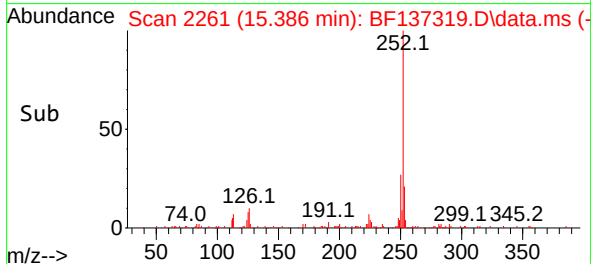
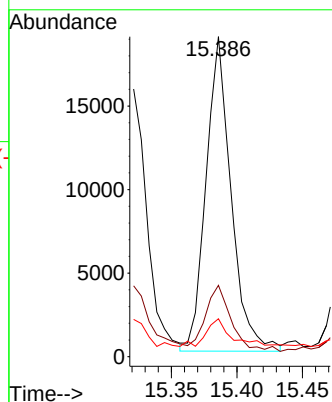
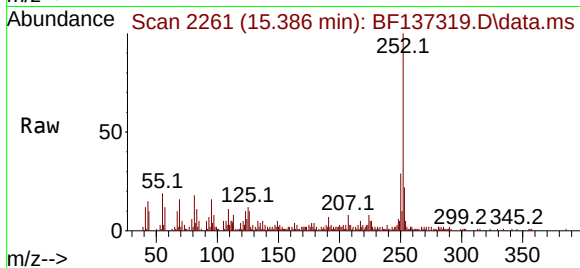
Tgt Ion:252 Resp: 25076

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 11.9 6.5 9.7#



#92

Benzo(g,h,i)perylene

Concen: 2.257 ng

RT: 17.392 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF137319.D

Acq: 07 Feb 2024 14:43

Tgt Ion:276 Resp: 16408

Ion Ratio Lower Upper

276 100

277 24.1 18.4 27.6

138 16.2 11.8 17.8

