

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
 Data File : BF137320.D
 Acq On : 07 Feb 2024 15:12
 Operator : CG\JU
 Sample : P1367-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 07 15:37:45 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

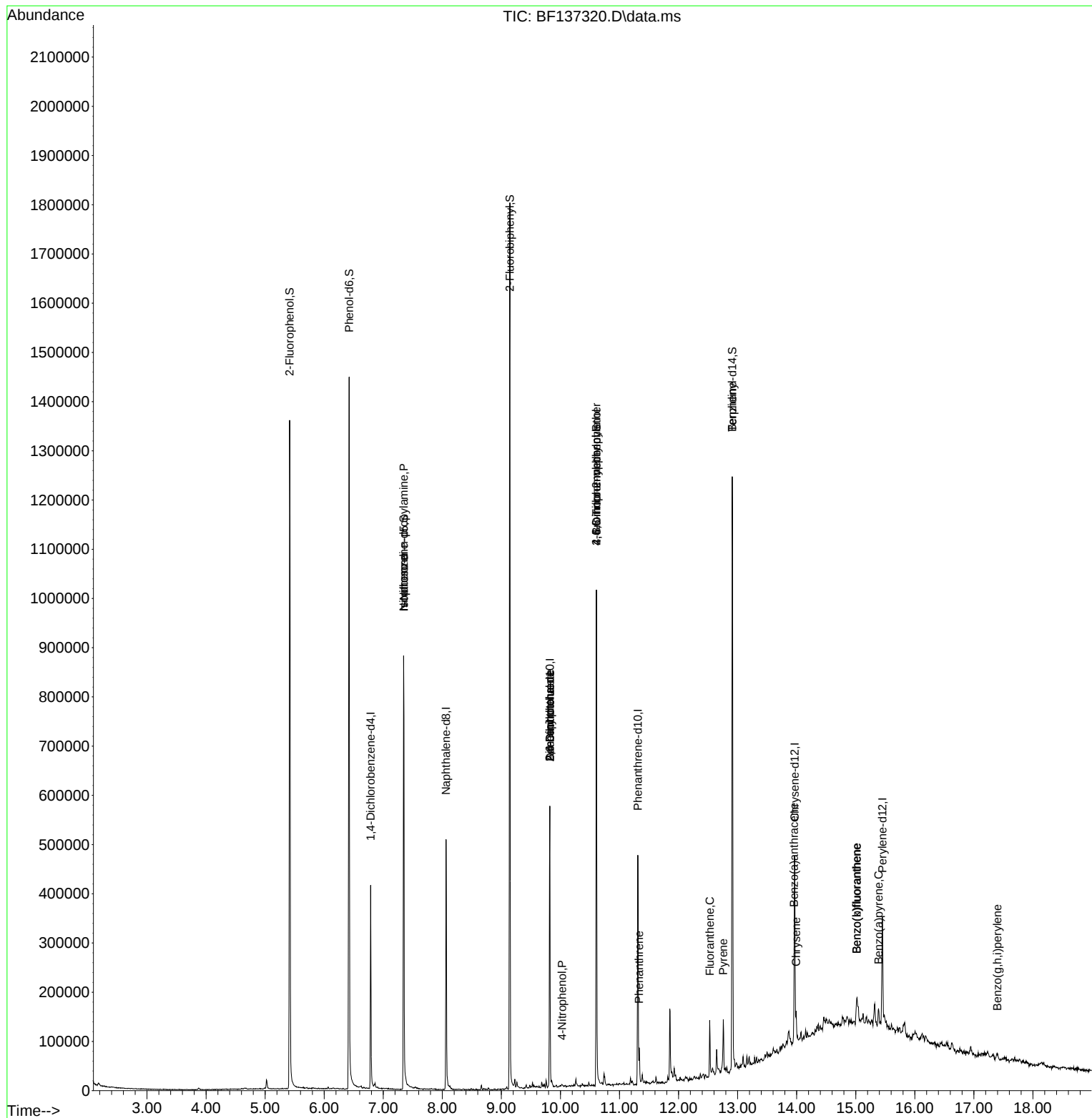
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	55025	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	209571	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	111914	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	172369	20.000	ng	0.00
76) Chrysene-d12	13.968	240	134618	20.000	ng	0.00
86) Perylene-d12	15.451	264	119422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	343906	103.130	ng	0.00
7) Phenol-d6	6.422	99	450731	94.713	ng	0.00
23) Nitrobenzene-d5	7.345	82	306229	65.421	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	107932	85.396	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	528956	64.973	ng	0.00
79) Terphenyl-d14	12.910	244	458013	46.253	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	41541	12.731	ng	# 76
25) Isophorone	7.345	82	306226	35.443	ng	# 67
50) Dimethylphthalate	9.822	163	20982	2.775	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	13940	8.646	ng	# 18
56) 4-Nitrophenol	10.027	139	285	8.706	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	13940	6.664	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.610	198	305	5.751	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	7334	3.870	ng	# 1
71) Phenanthrene	11.333	178	24499	2.715	ng	98
75) Fluoranthene	12.527	202	45507	4.819	ng	98
77) Benzidine	12.910	184	6205	2.574	ng	# 89
78) Pyrene	12.757	202	46501	3.594	ng	98
81) Benzo(a)anthracene	13.957	228	27651	2.900	ng	# 89
83) Chrysene	13.992	228	23795	2.539	ng	94
88) Benzo(b)fluoranthene	15.015	252	39041	5.316	ng	# 87
89) Benzo(k)fluoranthene	15.015	252	39041	5.025	ng	# 86
90) Benzo(a)pyrene	15.386	252	20757	3.003	ng	# 93
92) Benzo(g,h,i)perylene	17.398	276	13625	2.065	ng	96

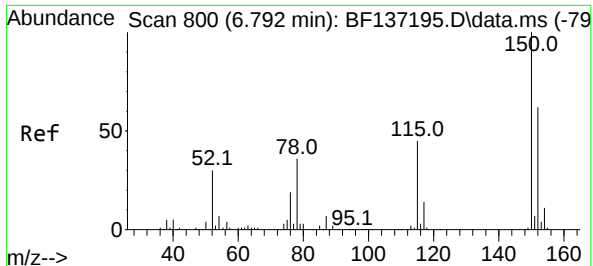
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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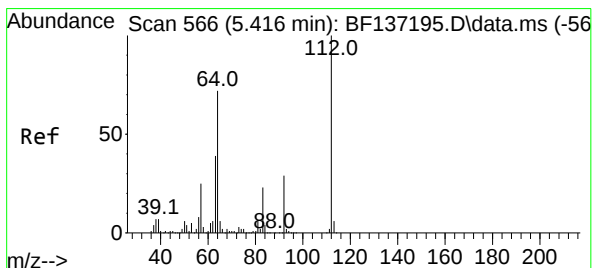
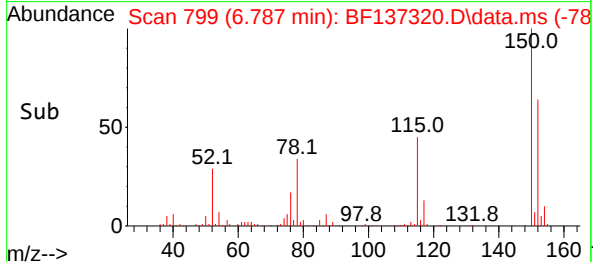
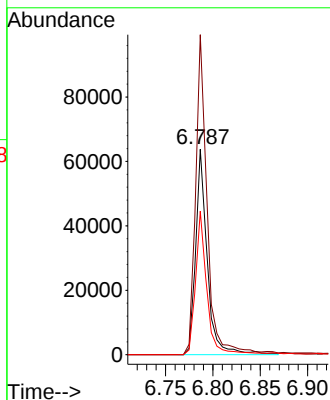
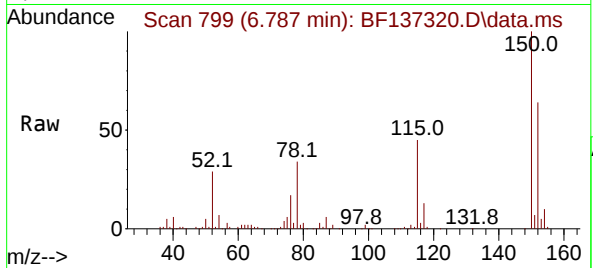




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

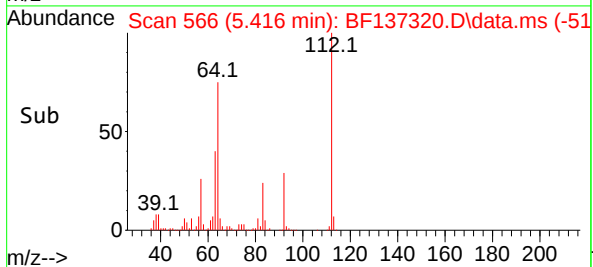
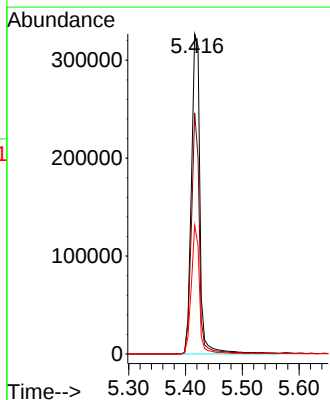
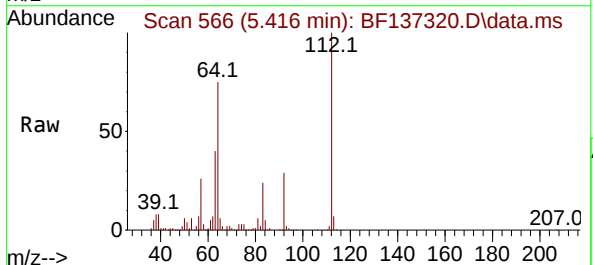
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BNA_F
ClientSampleId :
EB-7-5-7D

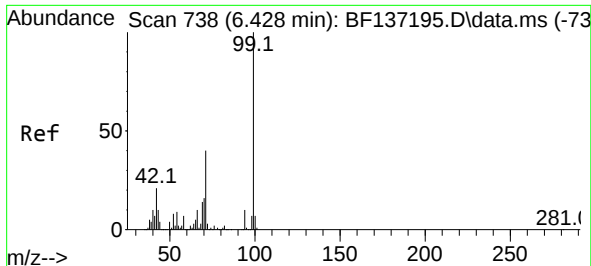
Tgt Ion:152 Resp: 55025
Ion Ratio Lower Upper
152 100
150 155.8 129.8 194.8
115 69.9 58.5 87.7



#5
2-Fluorophenol
Concen: 103.130 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:112 Resp: 343906
Ion Ratio Lower Upper
112 100
64 75.3 57.8 86.6
63 40.2 31.4 47.0

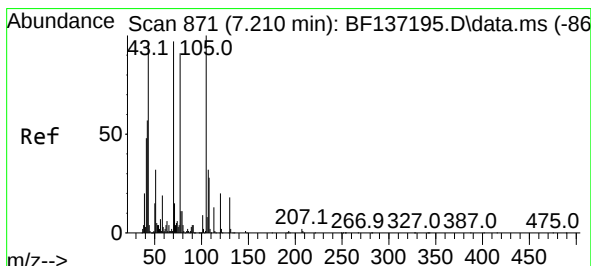
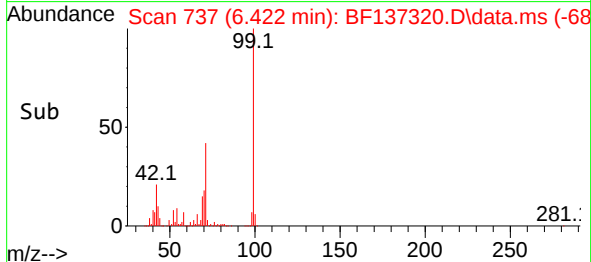
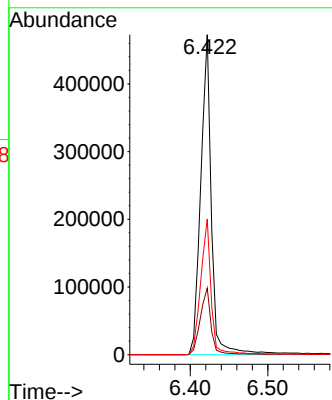
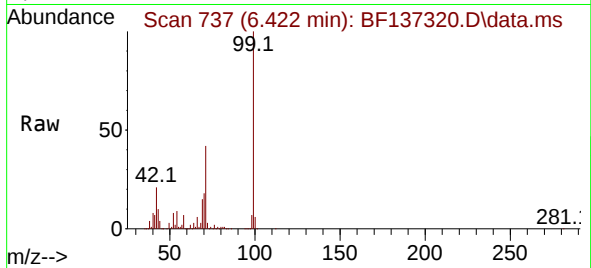




#7
Phenol-d6
Concen: 94.713 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

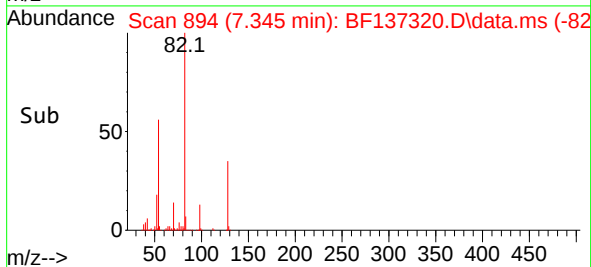
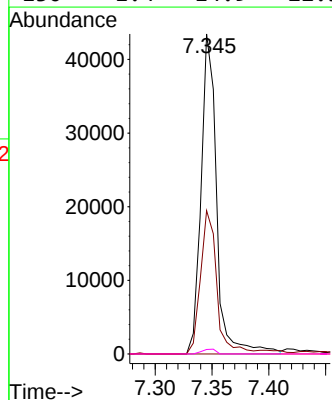
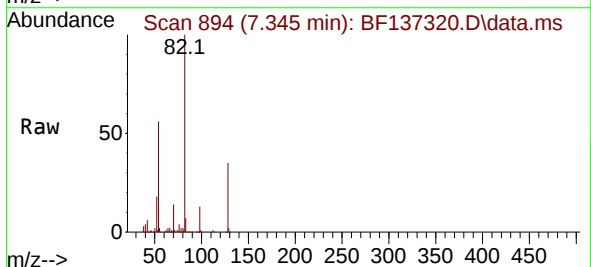
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

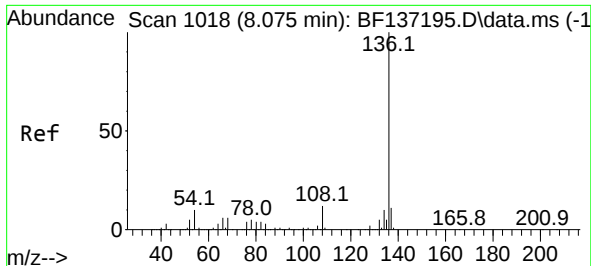
Tgt Ion: 99 Resp: 450731
Ion Ratio Lower Upper
99 100
42 20.9 16.4 24.6
71 42.4 32.4 48.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.731 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion: 70 Resp: 41541
Ion Ratio Lower Upper
70 100
42 44.8 47.2 70.8#
101 0.0 7.4 11.0#
130 1.4 14.9 22.3#



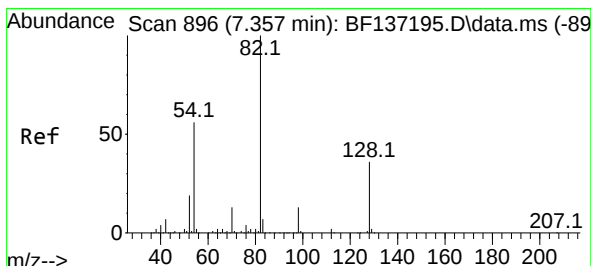
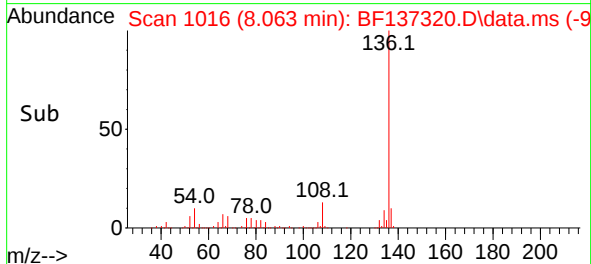
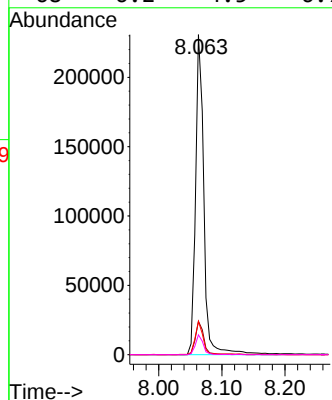
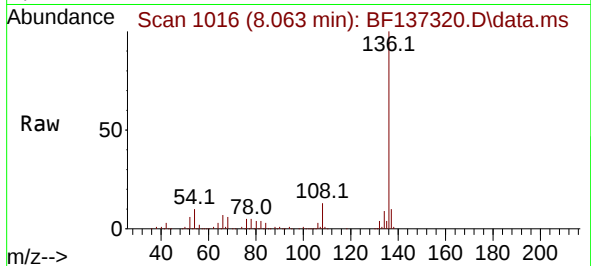


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

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

Tgt Ion:136 Resp: 209571

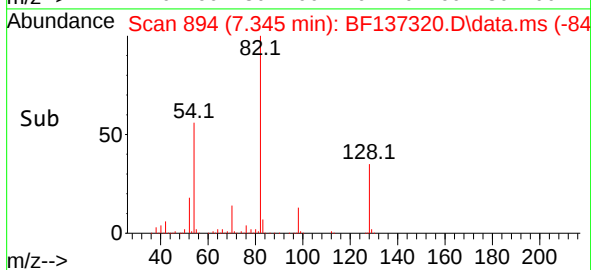
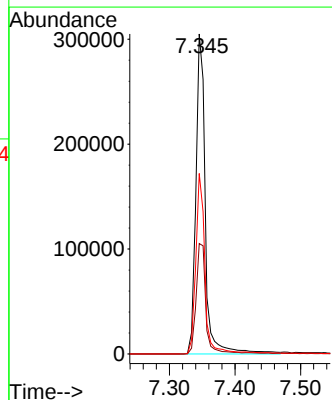
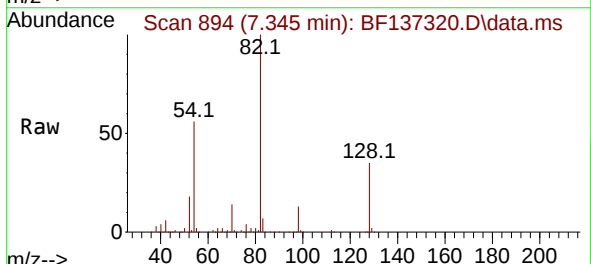
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.4	7.8	11.8
68	6.2	4.5	6.7

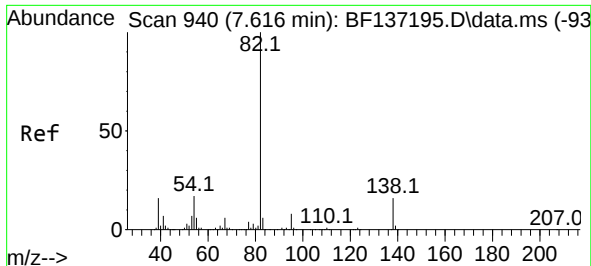


#23
Nitrobenzene-d5
Concen: 65.421 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion: 82 Resp: 306229

Ion	Ratio	Lower	Upper
82	100		
128	34.5	29.1	43.7
54	56.4	45.0	67.6

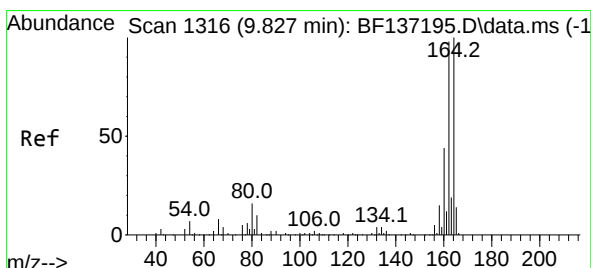
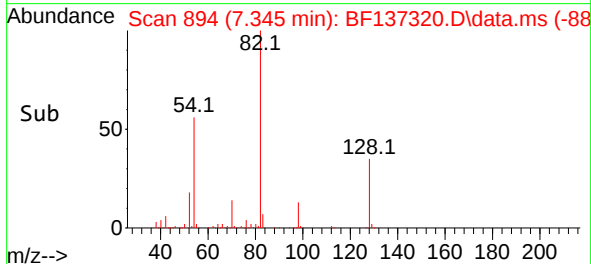
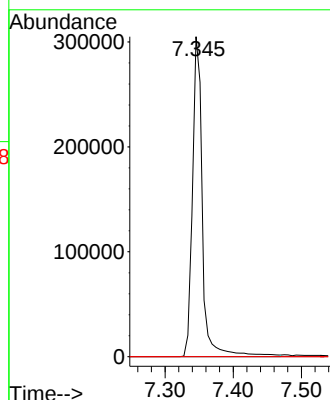
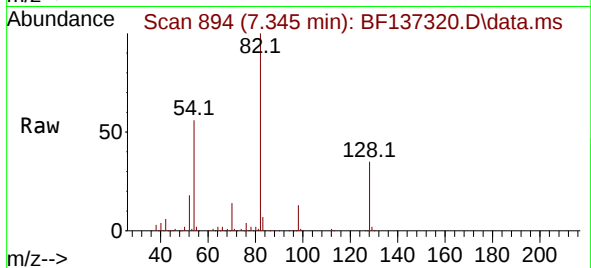




#25
Isophorone
Concen: 35.443 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

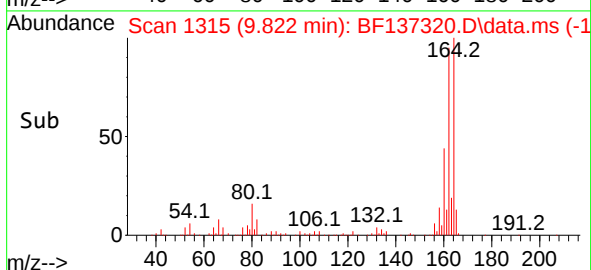
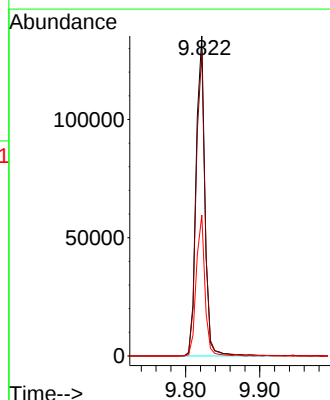
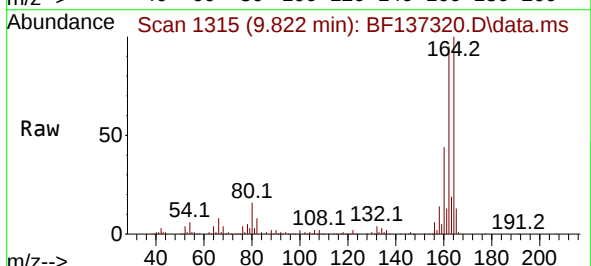
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

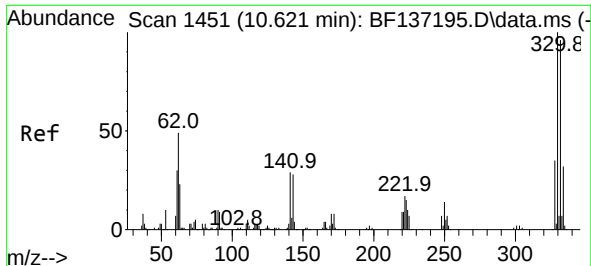
Tgt Ion: 82 Resp: 306226
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:164 Resp: 111914
Ion Ratio Lower Upper
164 100
162 95.0 78.3 117.5
160 44.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 85.396 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

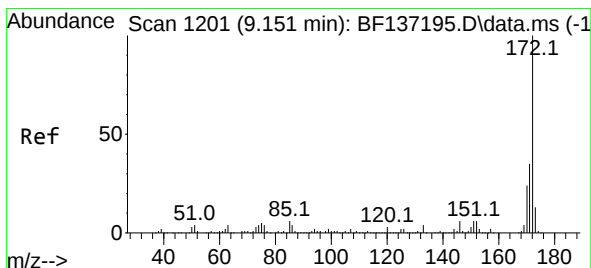
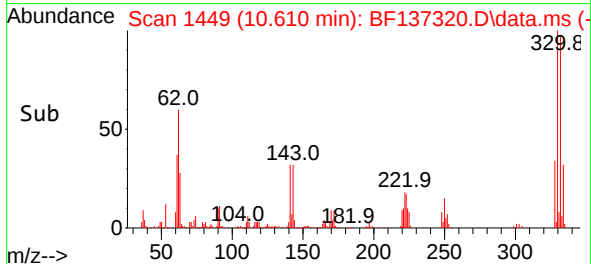
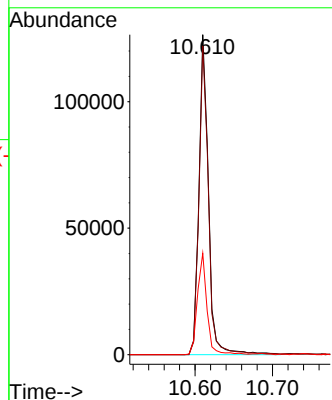
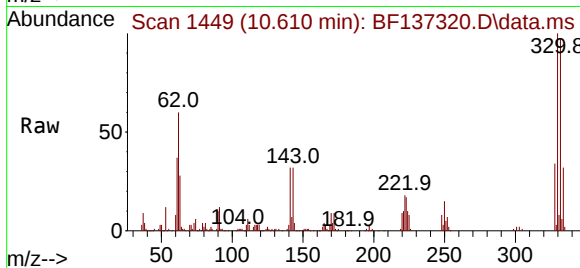
Tgt Ion:330 Resp: 107932

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 31.8 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 64.973 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

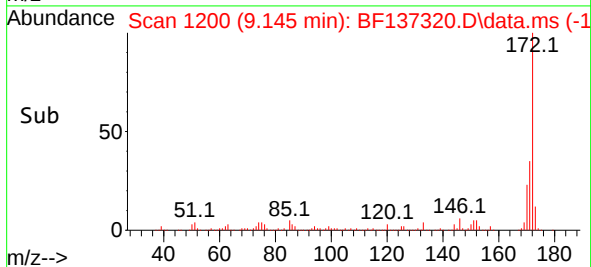
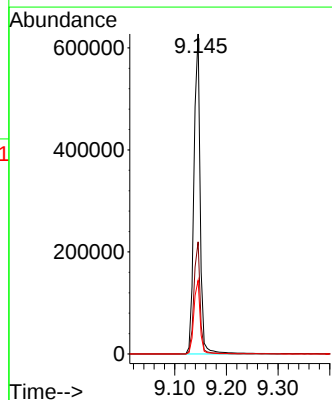
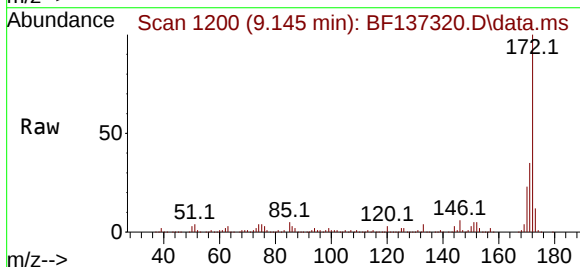
Tgt Ion:172 Resp: 528956

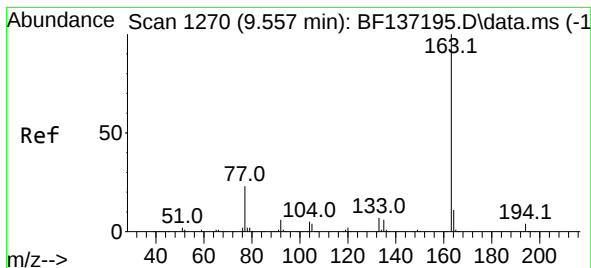
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.0 19.1 28.7





#50

Dimethylphthalate

Concen: 2.775 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

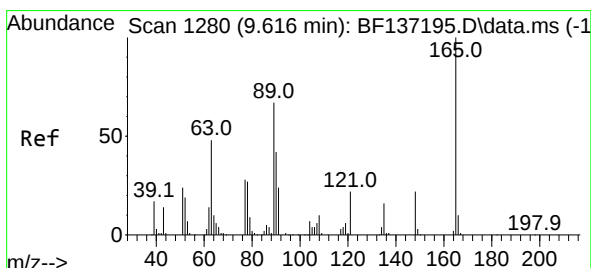
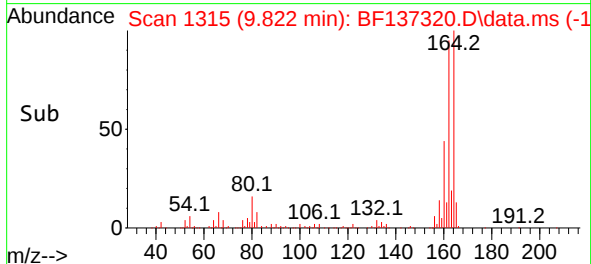
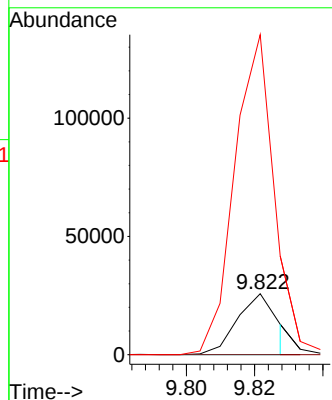
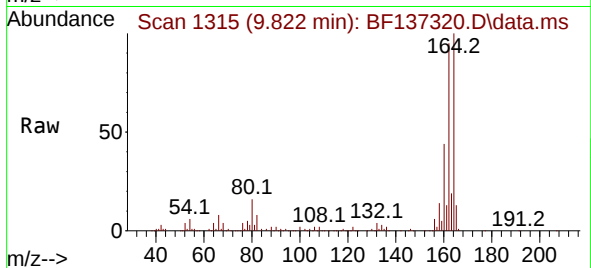
Tgt Ion:163 Resp: 20982

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 524.4 8.6 13.0#



#51

2,6-Dinitrotoluene

Concen: 8.646 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

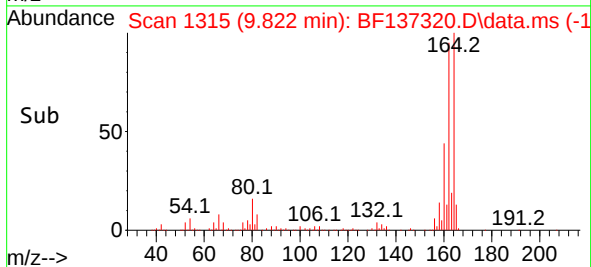
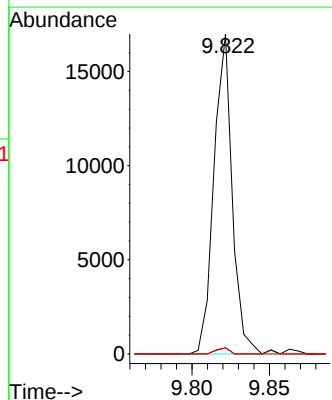
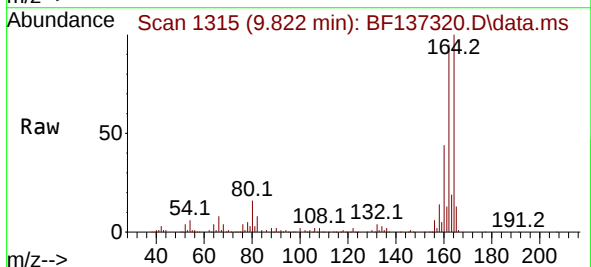
Tgt Ion:165 Resp: 13940

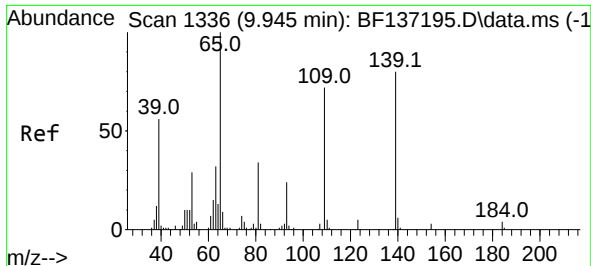
Ion Ratio Lower Upper

165 100

63 1.9 55.1 82.7#

89 1.9 53.5 80.3#

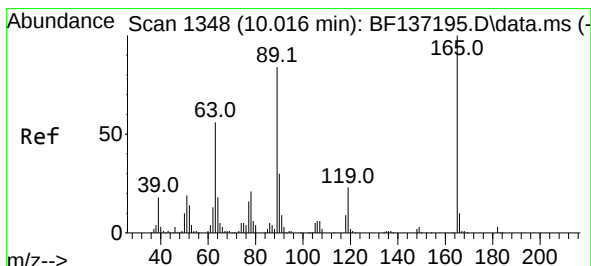
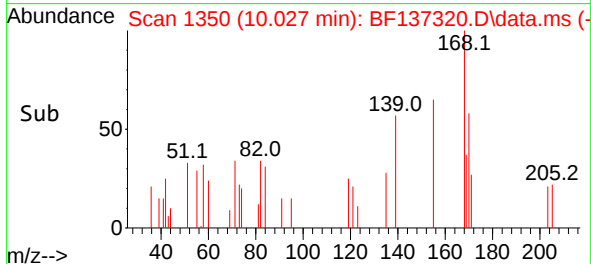
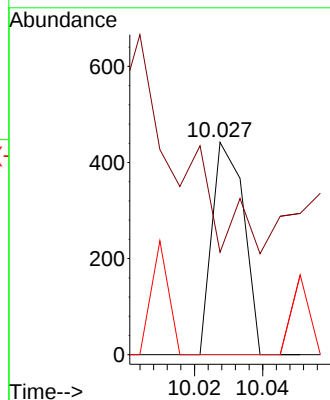
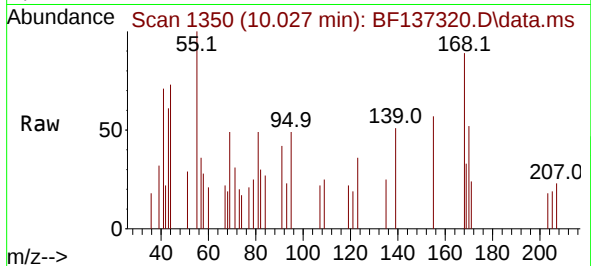




#56
4-Nitrophenol
Concen: 8.706 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

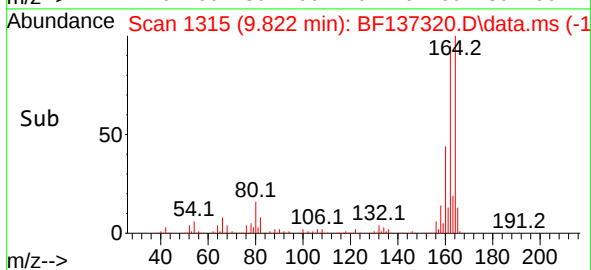
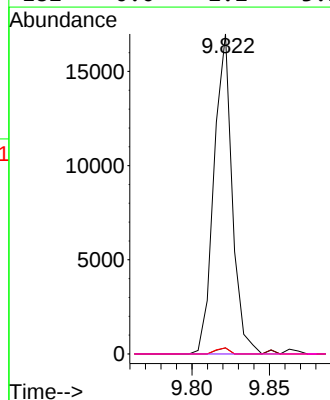
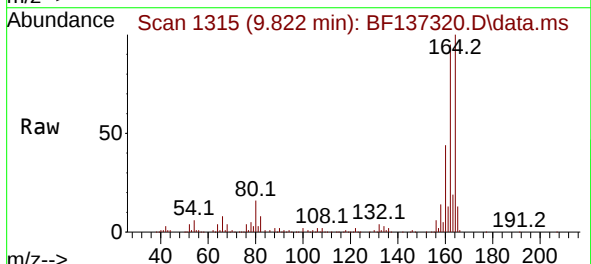
Instrument :
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EB-7-5-7D

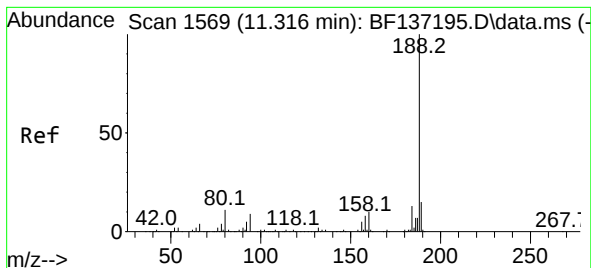
Tgt Ion:139 Resp: 285
Ion Ratio Lower Upper
139 100
109 48.2 70.4 110.4#
65 0.0 107.6 147.6#



#57
2,4-Dinitrotoluene
Concen: 6.664 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:165 Resp: 13940
Ion Ratio Lower Upper
165 100
63 1.9 46.1 69.1#
89 1.9 67.5 101.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

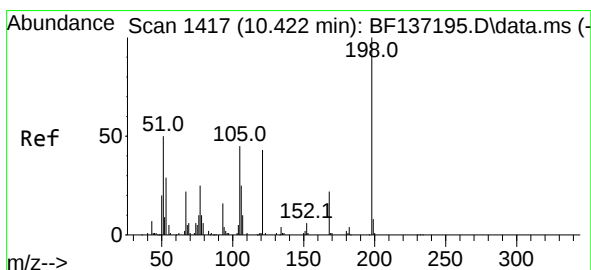
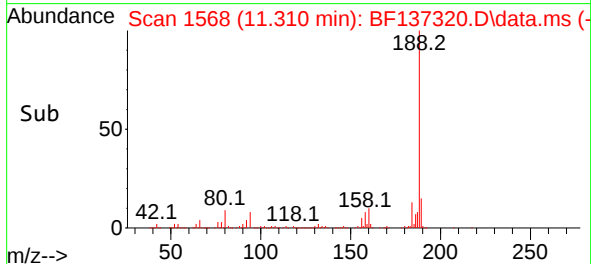
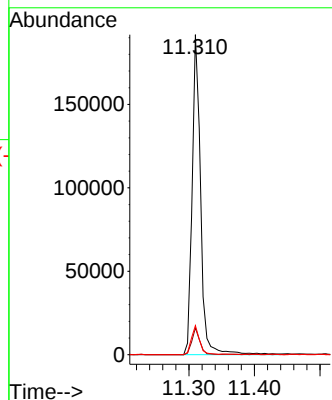
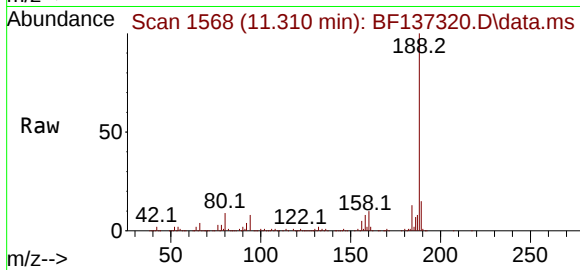
Tgt Ion:188 Resp: 172369

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 9.1 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.751 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

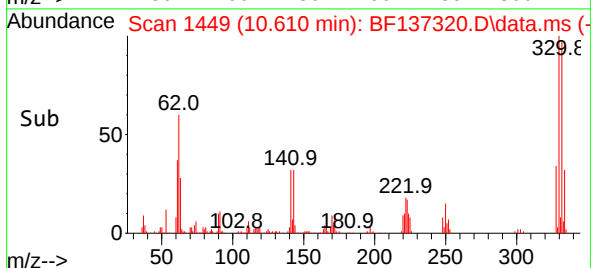
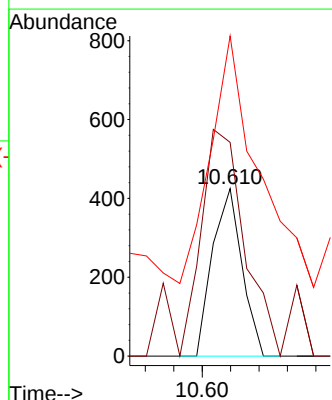
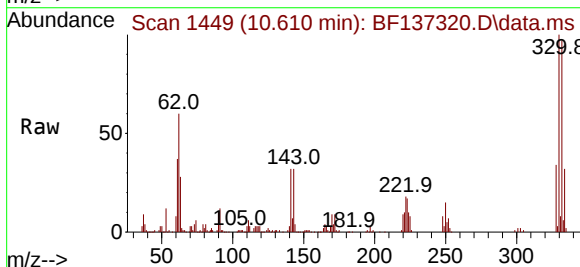
Tgt Ion:198 Resp: 305

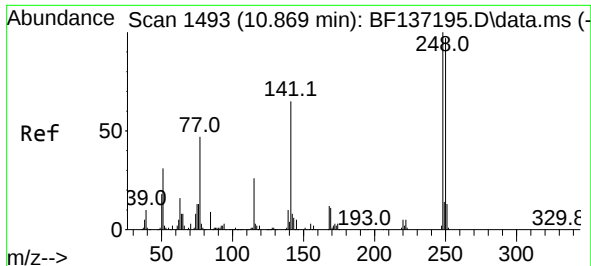
Ion Ratio Lower Upper

198 100

51 127.5 40.9 80.9#

105 191.1 26.5 66.5#

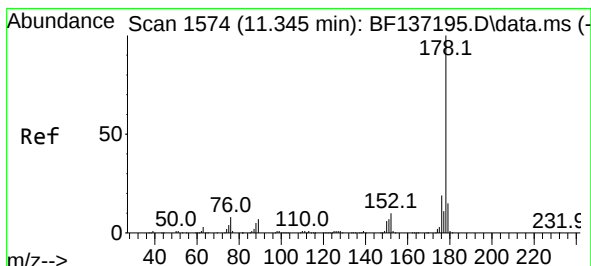
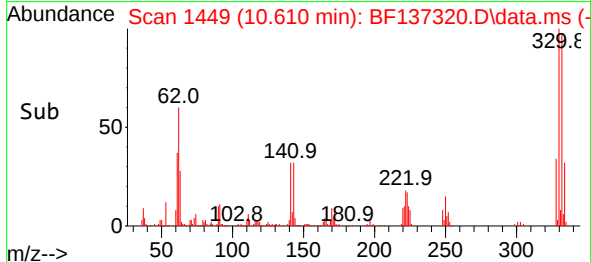
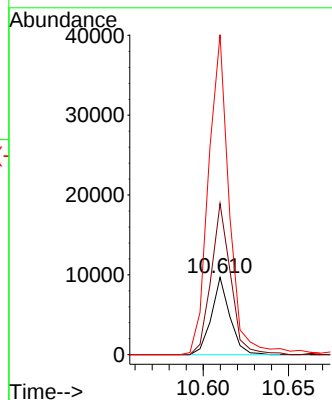
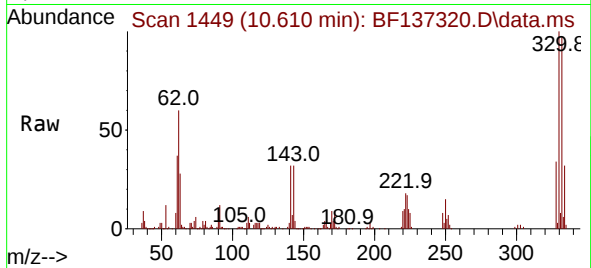




#67
4-Bromophenyl-phenylether
Concen: 3.870 ng
RT: 10.610 min Scan# 1493
Delta R.T. -0.259 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

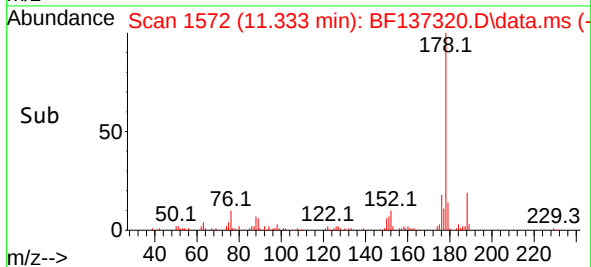
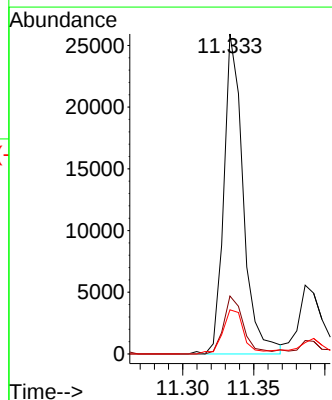
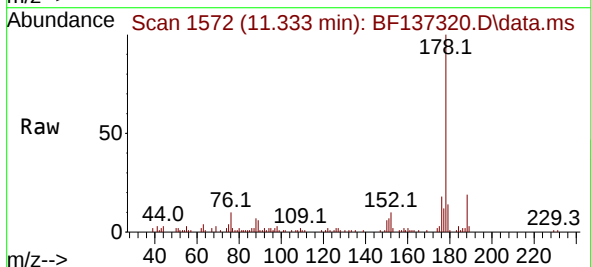
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

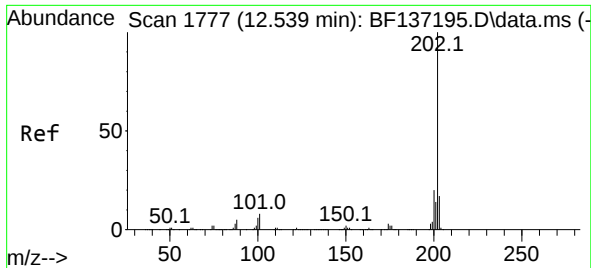
Tgt Ion:248 Resp: 7334
Ion Ratio Lower Upper
248 100
250 195.8 77.7 116.5#
141 414.2 51.6 77.4#



#71
Phenanthrene
Concen: 2.715 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:178 Resp: 24499
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 13.8 12.1 18.1

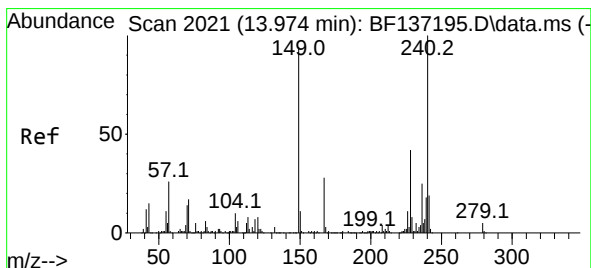
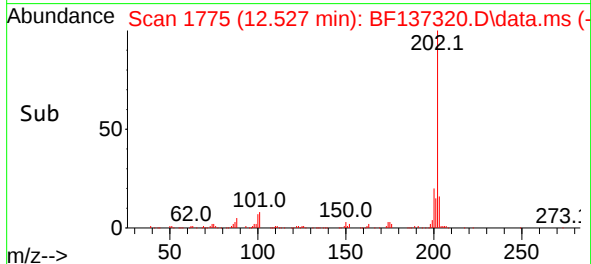
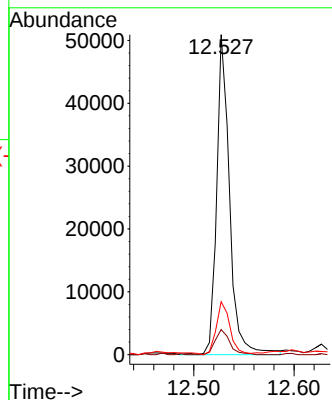
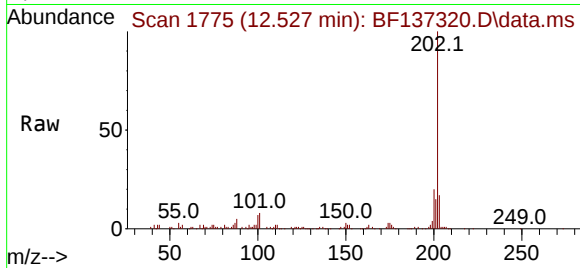




#75
Fluoranthene
Concen: 4.819 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

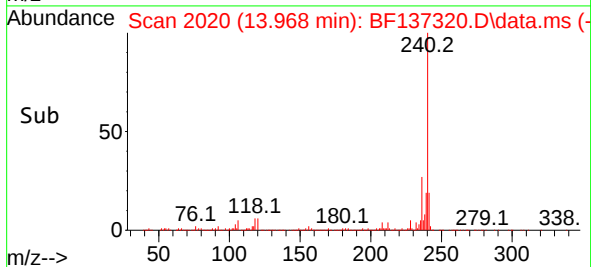
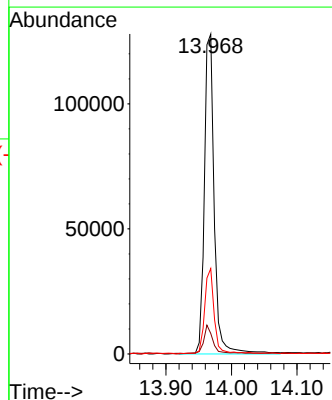
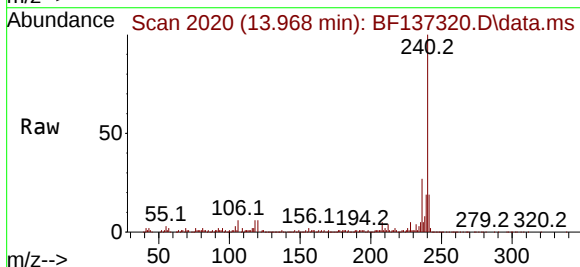
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

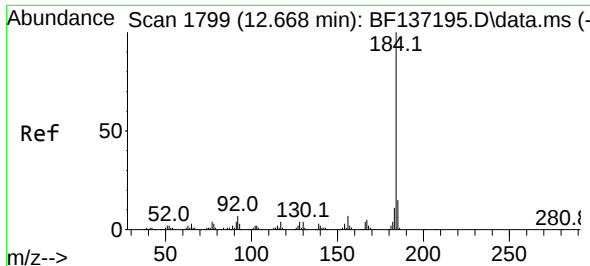
Tgt Ion:202 Resp: 45507
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.4
203 16.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:240 Resp: 134618
Ion Ratio Lower Upper
240 100
120 6.4 6.3 9.5
236 26.7 20.3 30.5

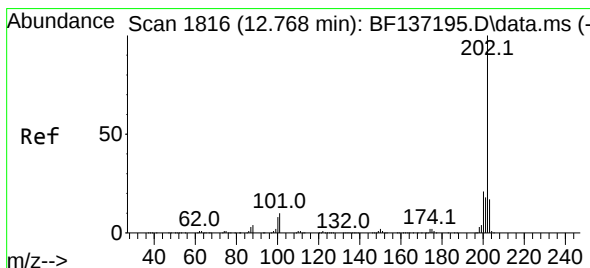
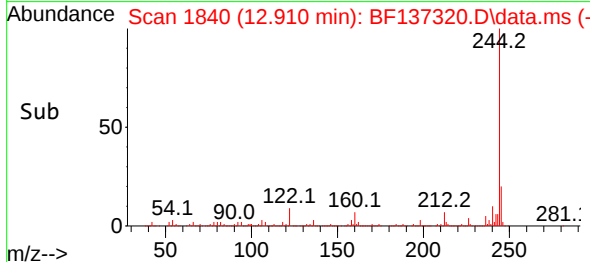
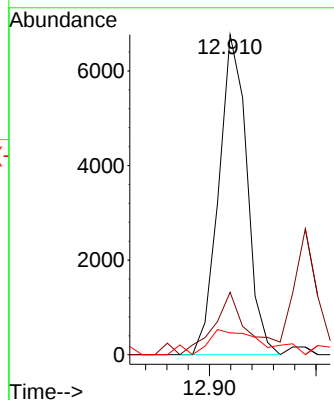
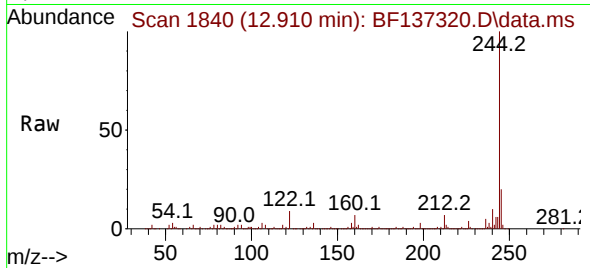




#77
Benzidine
Concen: 2.574 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

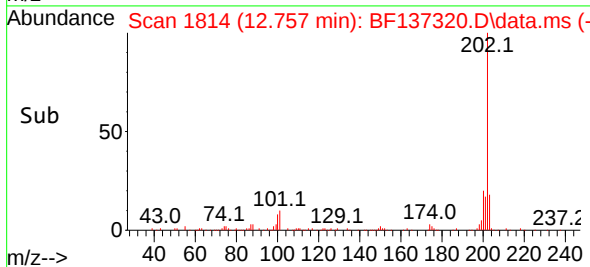
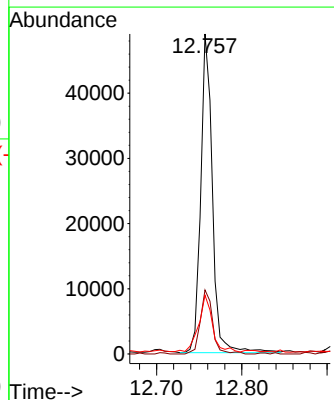
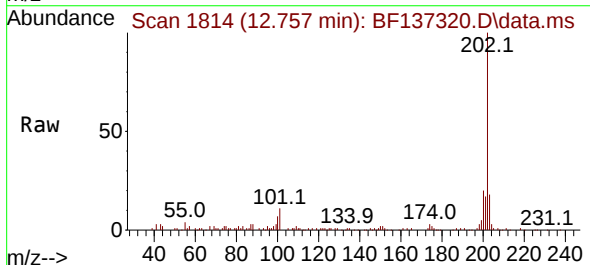
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

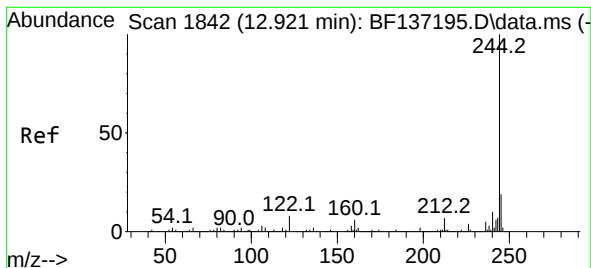
Tgt Ion:184 Resp: 6205
Ion Ratio Lower Upper
184 100
185 19.5 11.9 17.9#
183 6.8 8.8 13.2#



#78
Pyrene
Concen: 3.594 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:202 Resp: 46501
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 18.4 13.8 20.6





#79

Terphenyl-d14

Concen: 46.253 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

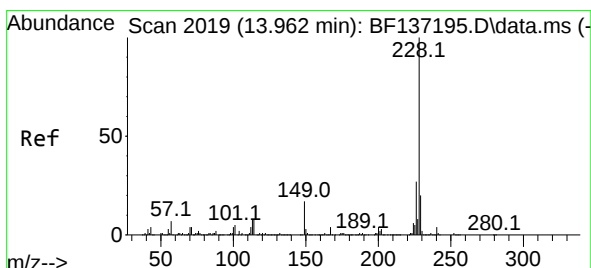
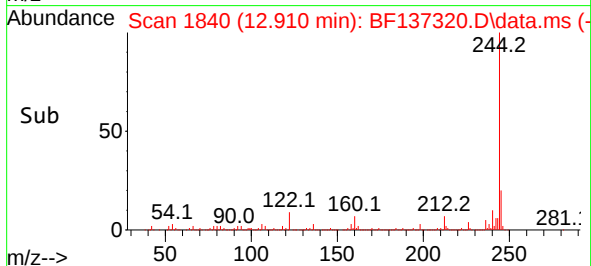
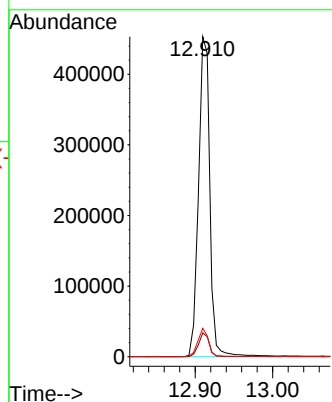
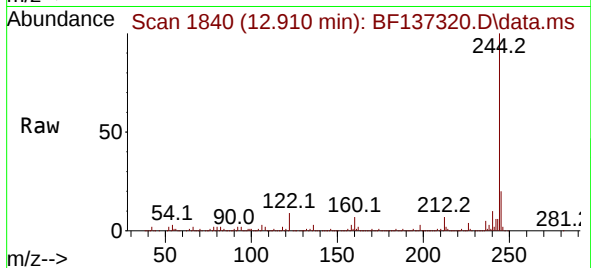
Tgt Ion:244 Resp: 458013

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 8.9 6.2 9.4



#81

Benzo(a)anthracene

Concen: 2.900 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

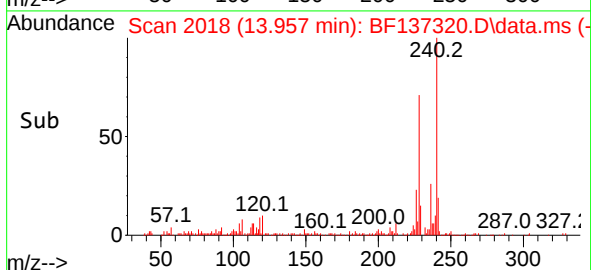
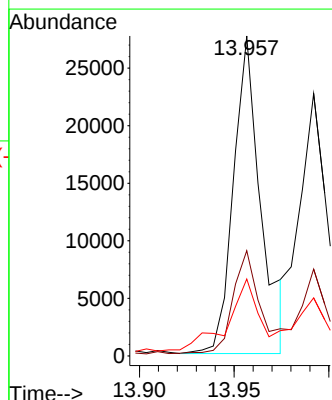
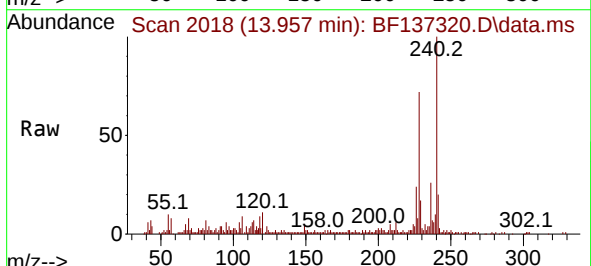
Tgt Ion:228 Resp: 27651

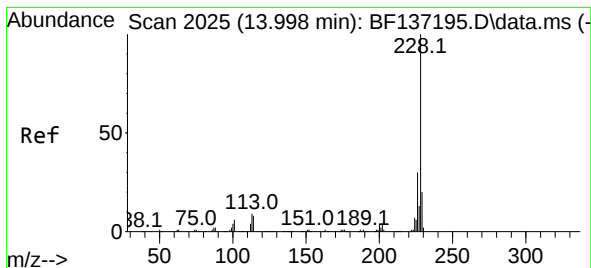
Ion Ratio Lower Upper

228 100

226 32.9 21.6 32.4#

229 24.1 15.8 23.6#





#83

Chrysene

Concen: 2.539 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

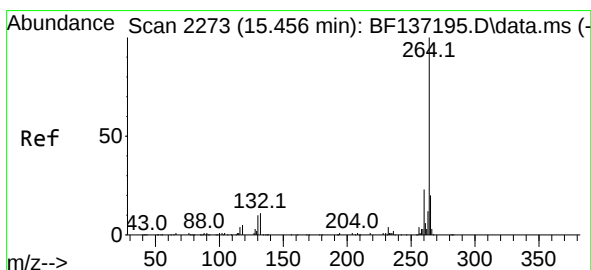
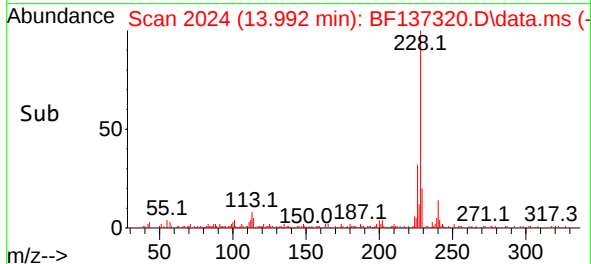
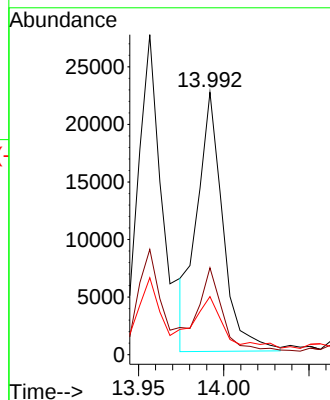
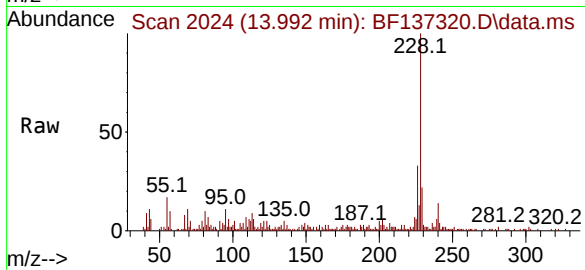
Tgt Ion:228 Resp: 23795

Ion Ratio Lower Upper

228 100

226 33.1 23.7 35.5

229 22.1 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: BF137320.D

Acq: 07 Feb 2024 15:12

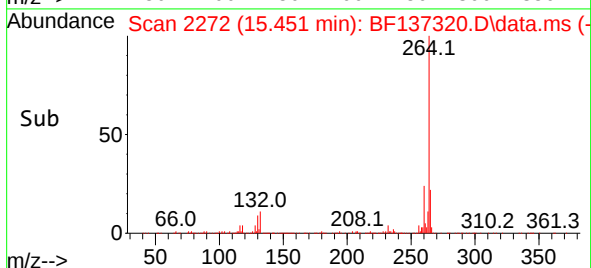
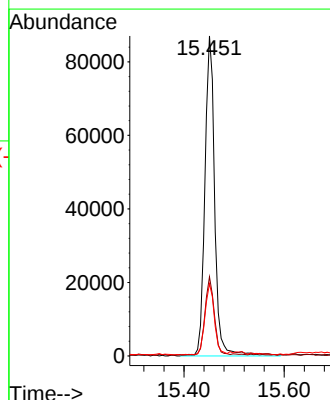
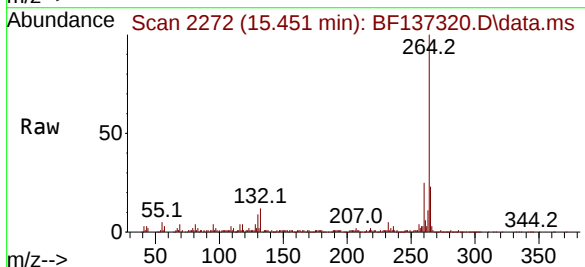
Tgt Ion:264 Resp: 119422

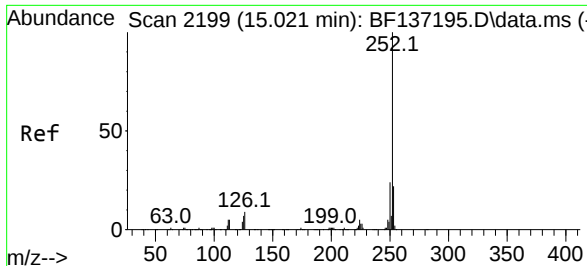
Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 22.6 16.2 24.2

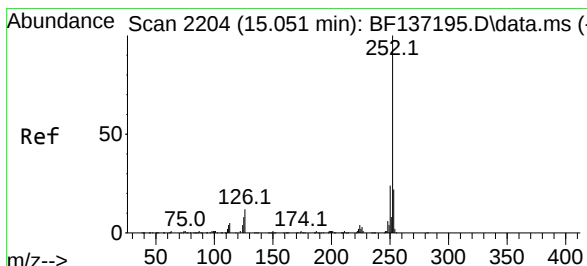
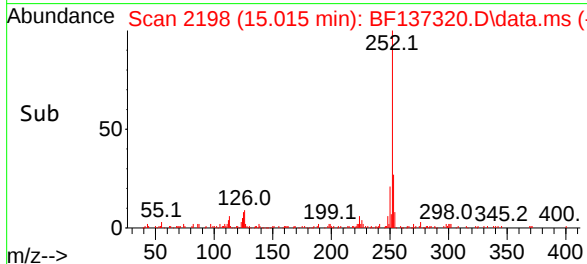
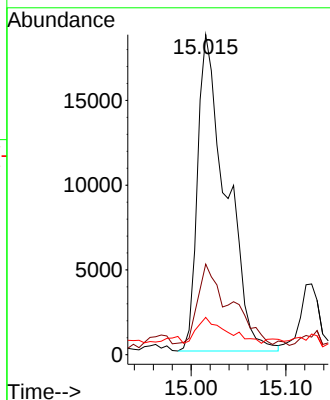
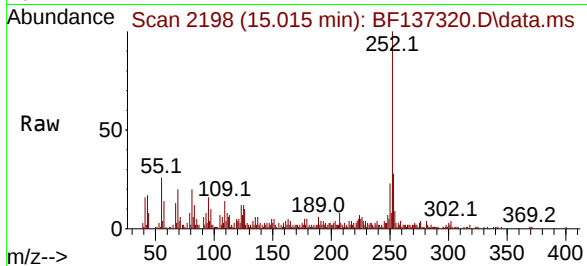




#88
Benzo(b)fluoranthene
Concen: 5.316 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

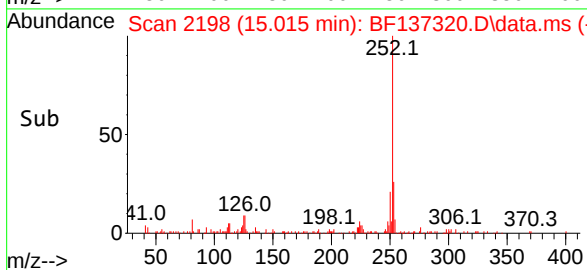
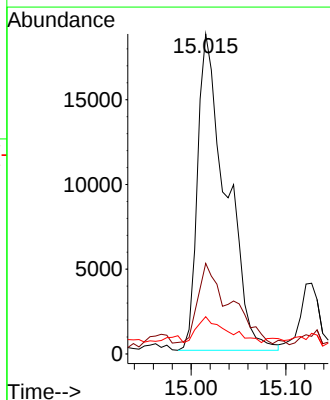
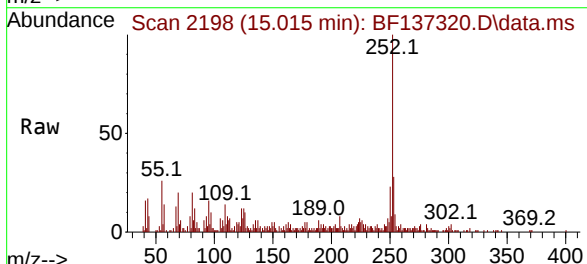
Instrument :
BNA_F
ClientSampleId :
EB-7-5-7D

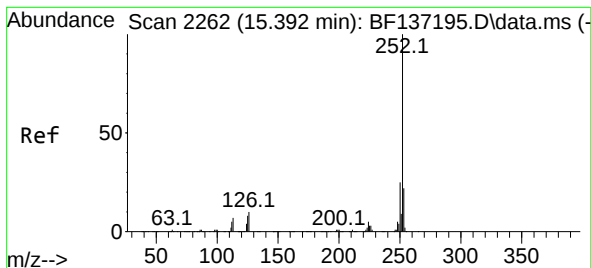
Tgt Ion:252 Resp: 39041
Ion Ratio Lower Upper
252 100
253 28.3 17.9 26.9#
125 11.7 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 5.025 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF137320.D
Acq: 07 Feb 2024 15:12

Tgt Ion:252 Resp: 39041
Ion Ratio Lower Upper
252 100
253 28.3 17.0 25.6#
125 11.7 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 3.003 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Instrument :

BNA_F

ClientSampleId :

EB-7-5-7D

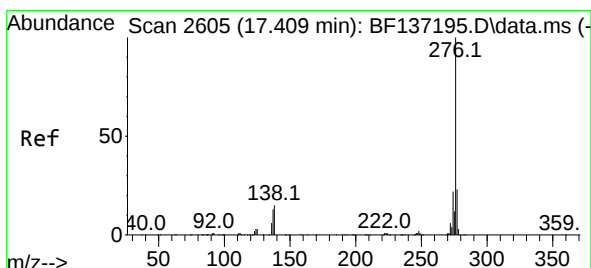
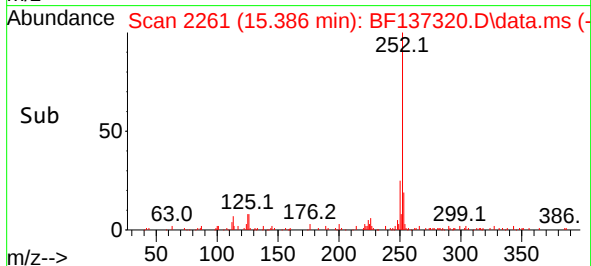
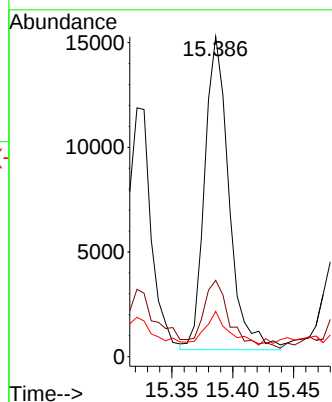
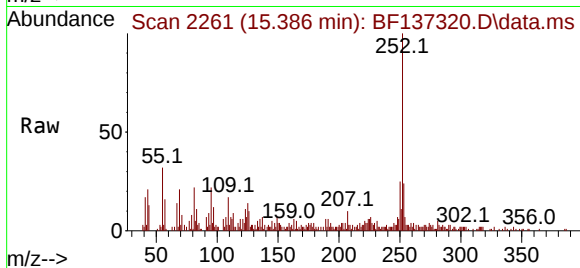
Tgt Ion:252 Resp: 20757

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 14.1 6.5 9.7#



#92

Benzo(g,h,i)perylene

Concen: 2.065 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF137320.D

Acq: 07 Feb 2024 15:12

Tgt Ion:276 Resp: 13625

Ion Ratio Lower Upper

276 100

277 25.6 18.4 27.6

138 16.0 11.8 17.8

