

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134615.D
 Acq On : 03 Aug 2023 16:45
 Operator : CG\JU
 Sample : 03756-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RPTP-13-CS-13

Quant Time: Aug 04 01:09:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

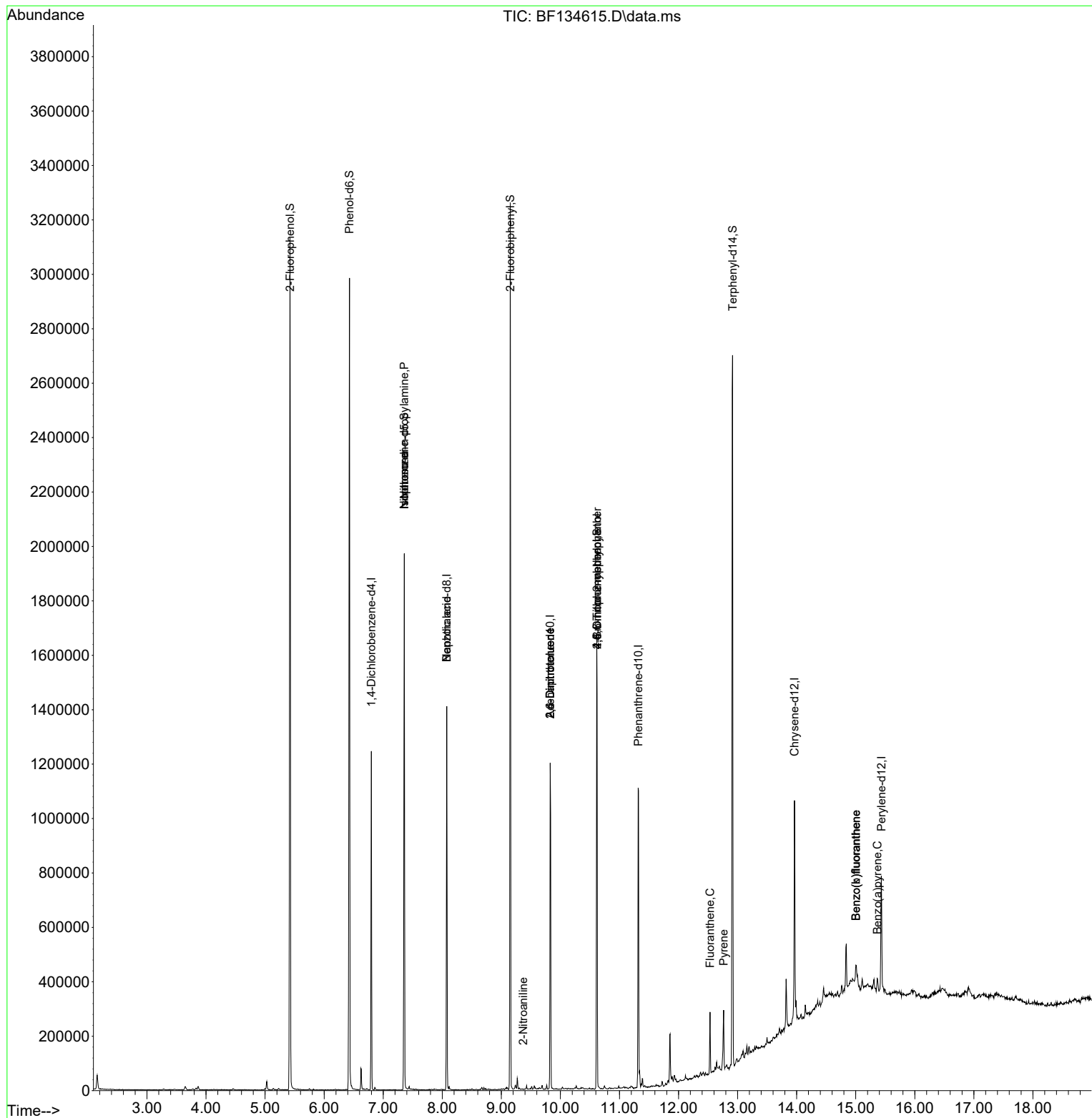
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	154351	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	534406	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	228529	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	415211	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	244176	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	203823	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	842185	82.941	ng	0.00
7) Phenol-d6	6.428	99	1010091	77.819	ng	0.00
23) Nitrobenzene-d5	7.357	82	541767	63.353	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	201642	86.555	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	907215	66.006	ng	0.00
79) Terphenyl-d14	12.916	244	953773	68.859	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.346	77	57	Below Cal	#	45
19) n-Nitroso-di-n-propyla...	7.357	70	73364	9.440	ng	# 74
25) Isophorone	7.357	82	541761	29.046	ng	# 65
32) Benzoic acid	8.075	122	97	7.882	ng	# 1
48) 2-Nitroaniline	9.369	65	114	3.192	ng	# 8
51) 2,6-Dinitrotoluene	9.828	165	28766	11.041	ng	# 18
57) 2,4-Dinitrotoluene	9.828	165	28766	9.870	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.622	198	472	8.929	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	12197	2.683	ng	# 1
75) Fluoranthene	12.533	202	82866	3.557	ng	97
78) Pyrene	12.763	202	87793	4.155	ng	98
88) Benzo(b)fluoranthene	15.004	252	42941	3.454	ng	# 85
89) Benzo(k)fluoranthene	15.004	252	42941	3.468	ng	# 87
90) Benzo(a)pyrene	15.368	252	24440	2.109	ng	# 80

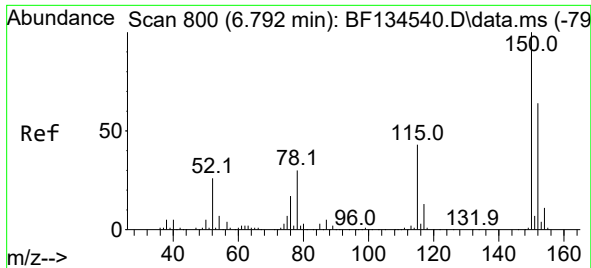
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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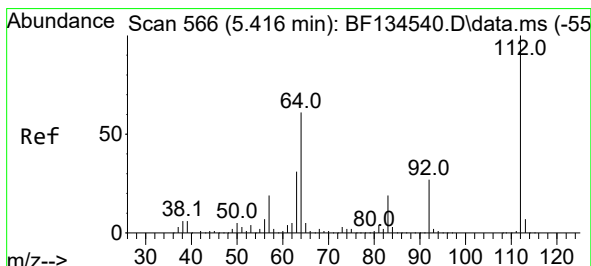
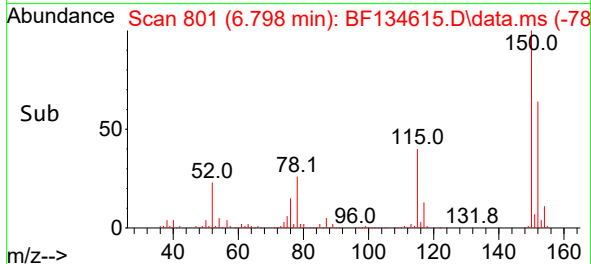
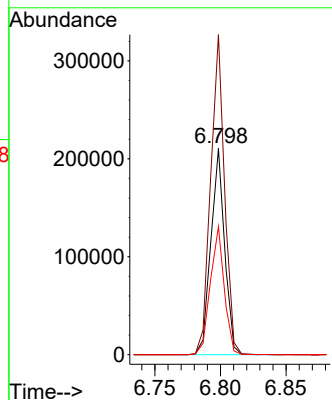
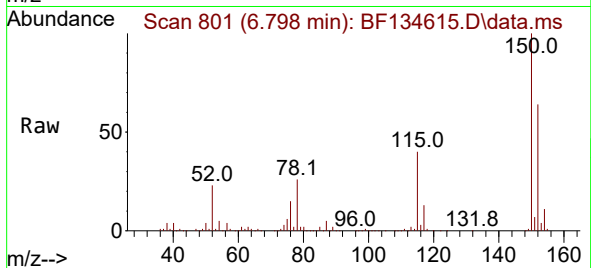




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: BF134615.D
 Acq: 03 Aug 2023 16:45

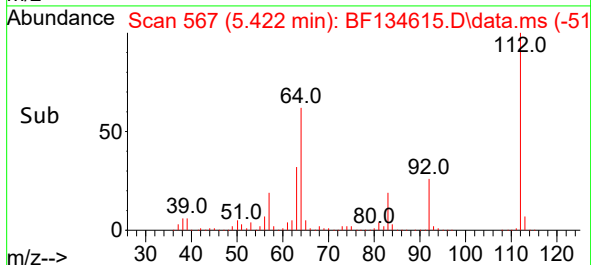
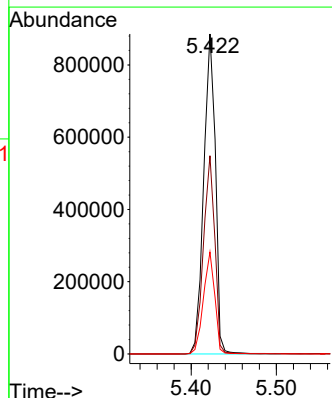
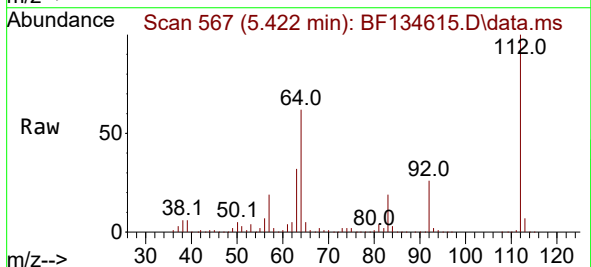
Instrument :
 BNA_F
 ClientSampleId :
 RPTP-13-CS-13

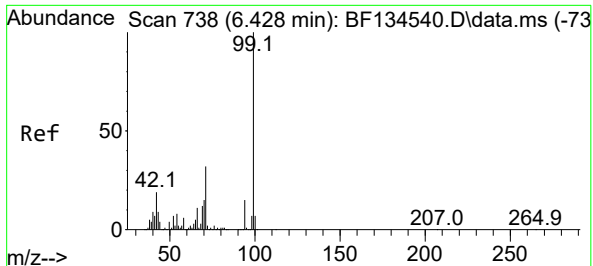
Tgt Ion:152 Resp: 154351
 Ion Ratio Lower Upper
 152 100
 150 155.1 128.3 192.5
 115 62.1 52.4 78.6



#5
 2-Fluorophenol
 Concen: 82.941 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: BF134615.D
 Acq: 03 Aug 2023 16:45

Tgt Ion:112 Resp: 842185
 Ion Ratio Lower Upper
 112 100
 64 62.0 44.9 67.3
 63 31.8 25.4 38.0

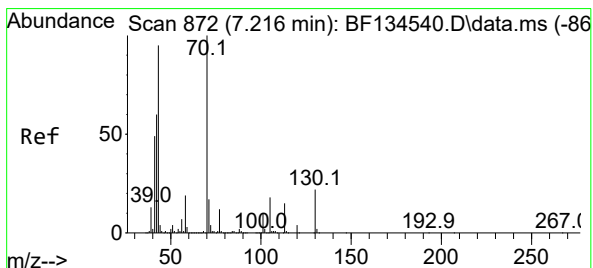
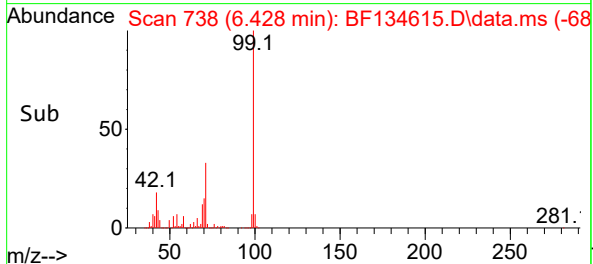
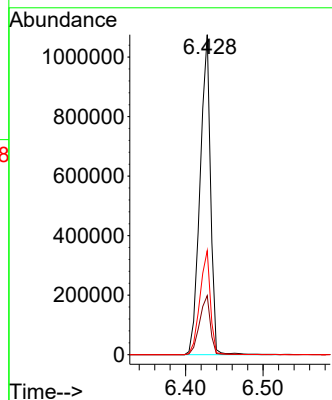
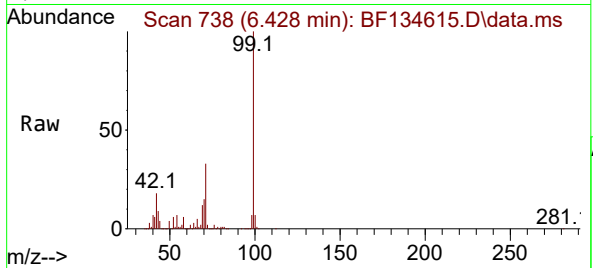




#7
Phenol-d6
Concen: 77.819 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

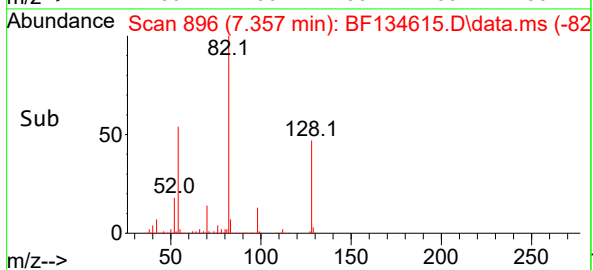
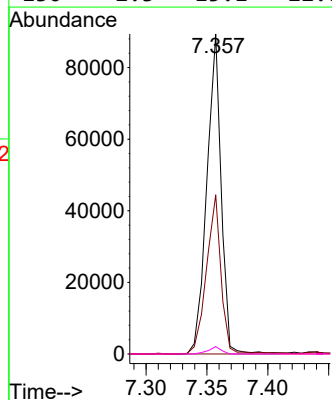
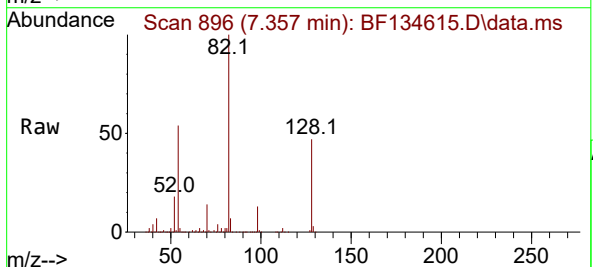
Instrument :
BNA_F
ClientSampleId :
RPTP-13-CS-13

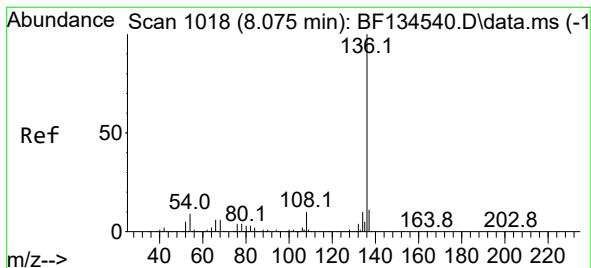
Tgt Ion: 99 Resp: 1010091
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 32.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.440 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

Tgt Ion: 70 Resp: 73364
Ion Ratio Lower Upper
70 100
42 49.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

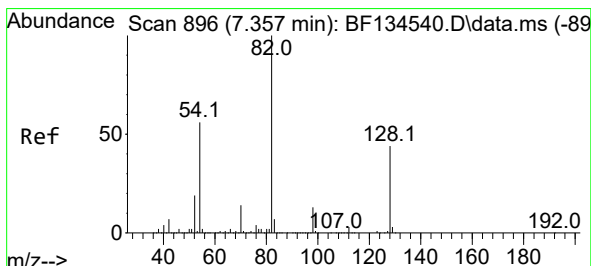
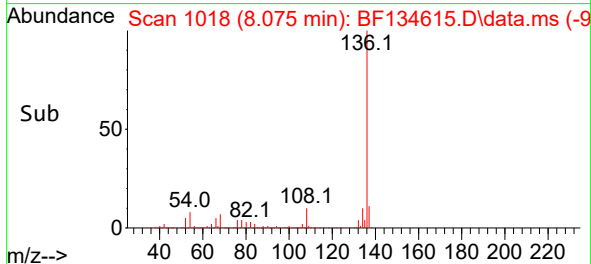
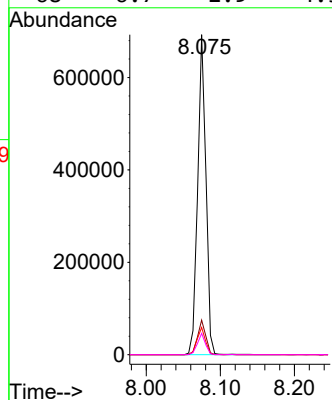
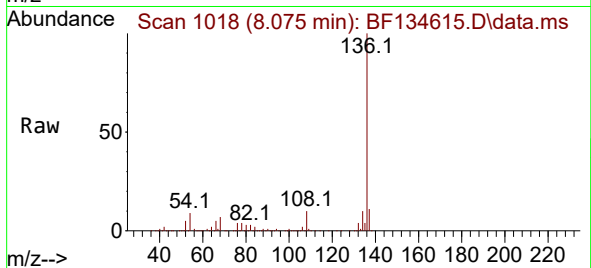




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

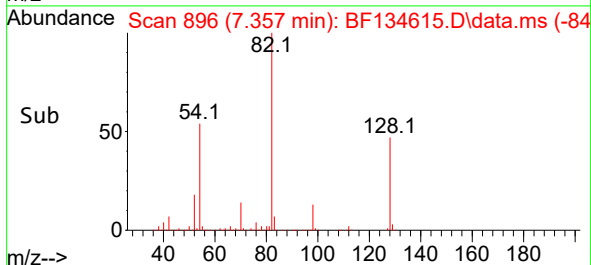
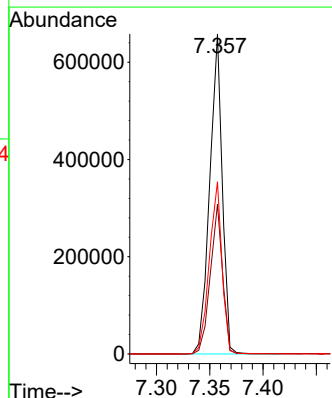
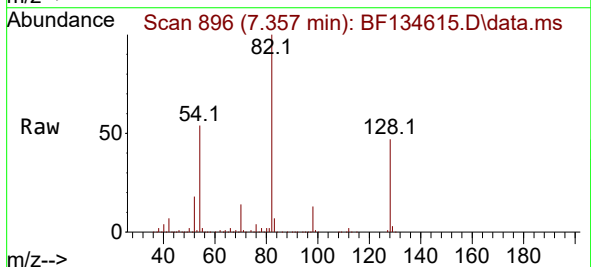
Instrument :
BNA_F
ClientSampleId :
RPTP-13-CS-13

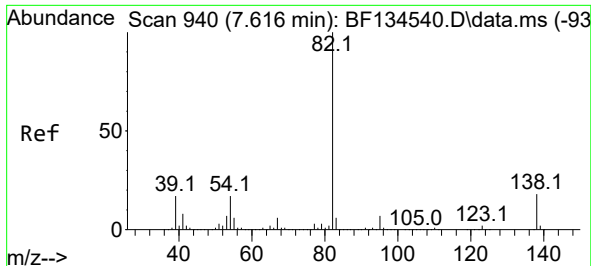
Tgt Ion:136 Resp: 534406
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.5 5.2 7.8#
68 6.7 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 63.353 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

Tgt Ion: 82 Resp: 541767
Ion Ratio Lower Upper
82 100
128 46.9 34.3 51.5
54 53.8 43.8 65.6

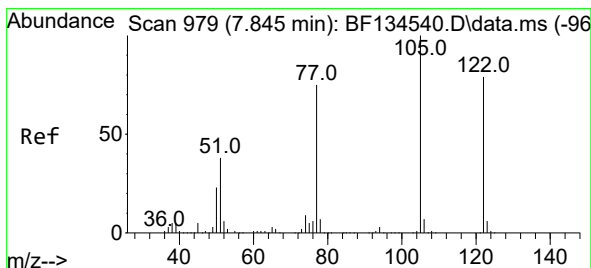
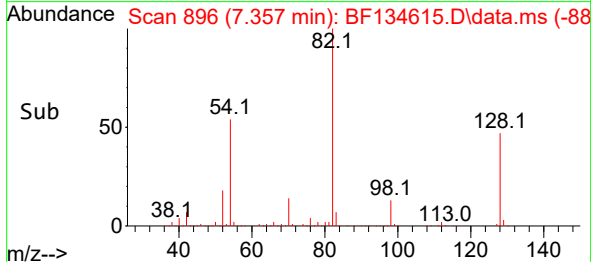
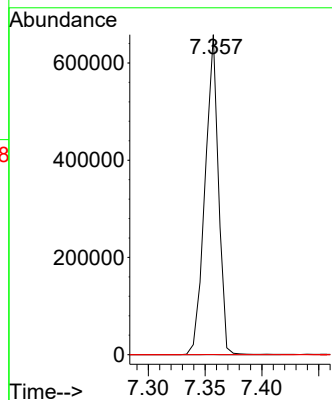
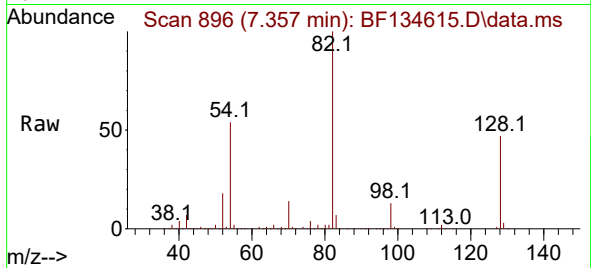




#25
Isophorone
Concen: 29.046 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

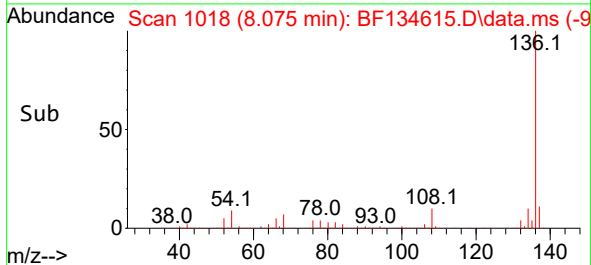
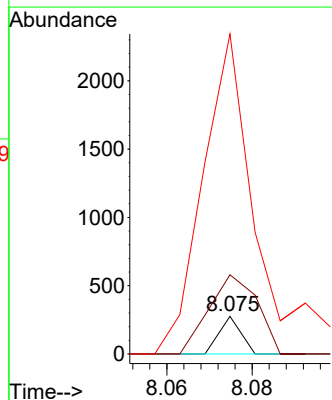
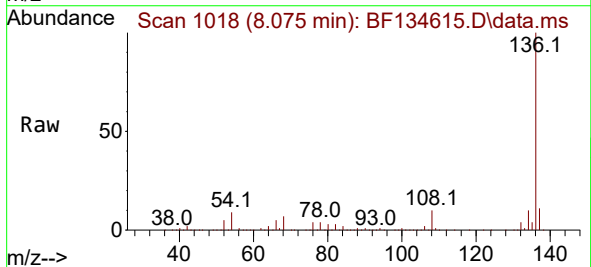
Instrument :
BNA_F
ClientSampleId :
RPTP-13-CS-13

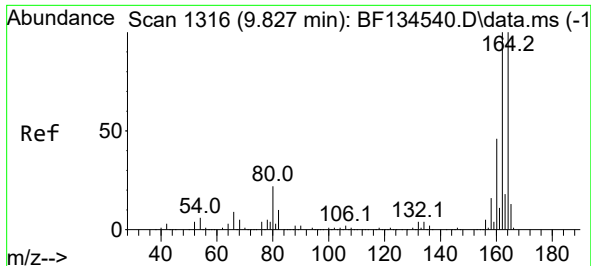
Tgt Ion: 82 Resp: 541761
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.882 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.230 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

Tgt Ion: 122 Resp: 97
Ion Ratio Lower Upper
122 100
105 210.1 87.5 127.5#
77 848.9 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

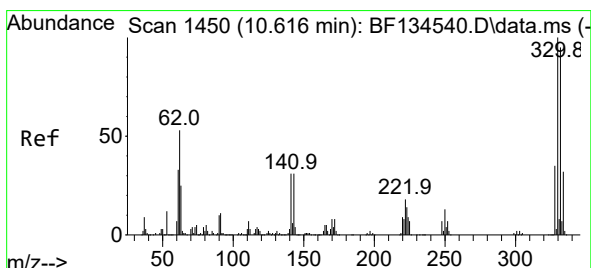
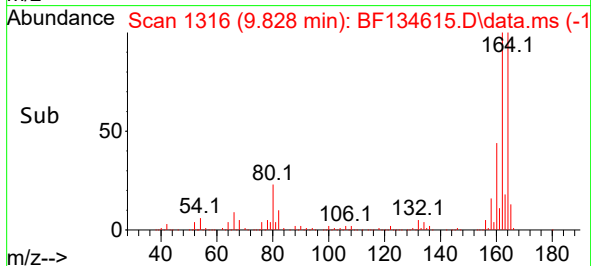
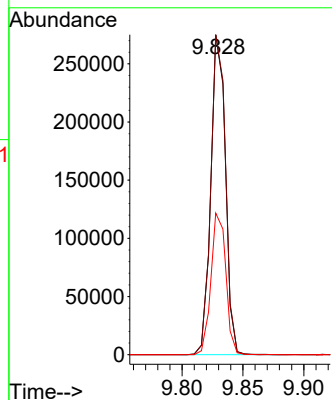
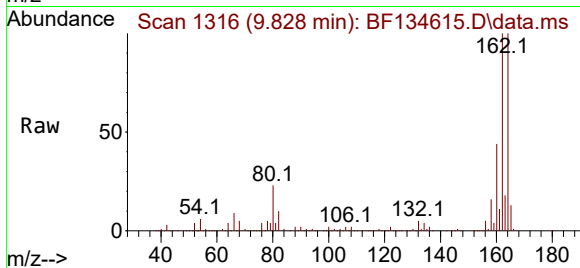
Tgt Ion:164 Resp: 228529

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

160 44.3 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 86.555 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

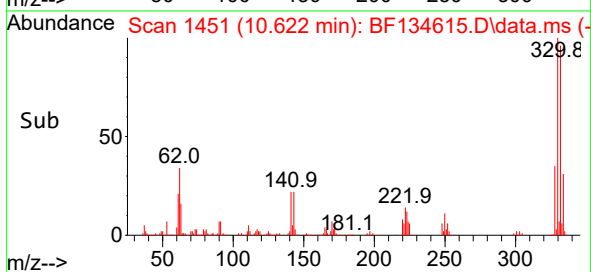
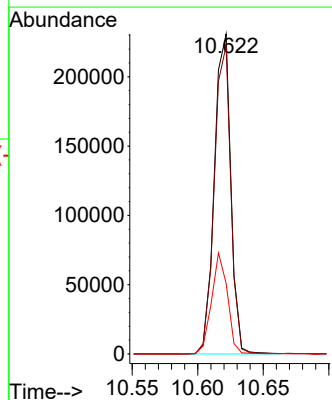
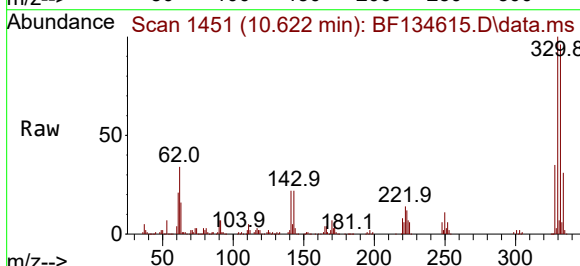
Tgt Ion:330 Resp: 201642

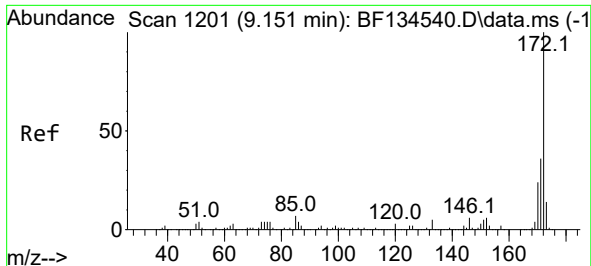
Ion Ratio Lower Upper

330 100

332 96.5 78.8 118.2

141 30.5 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 66.006 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

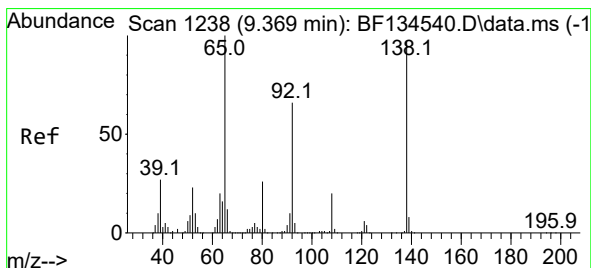
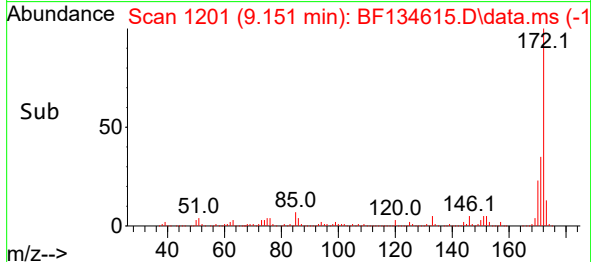
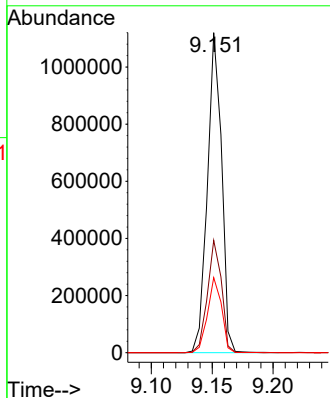
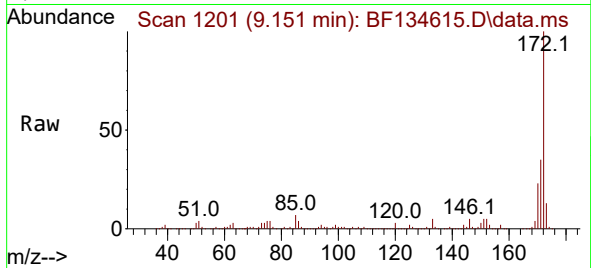
Tgt Ion:172 Resp: 907215

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.192 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

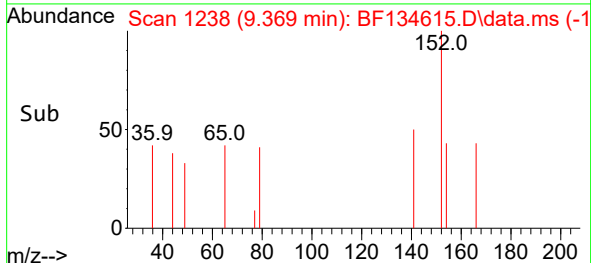
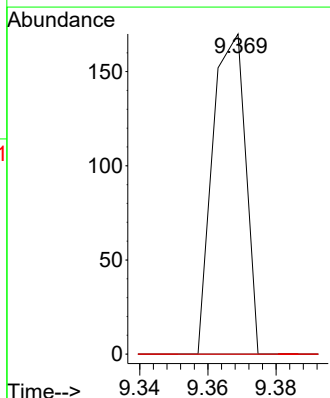
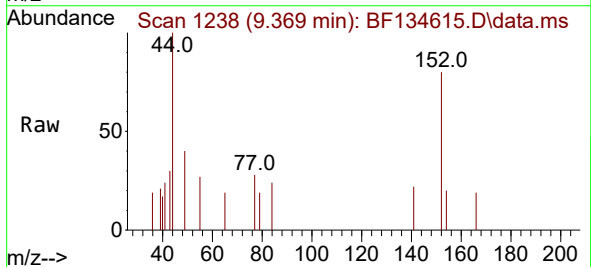
Tgt Ion: 65 Resp: 114

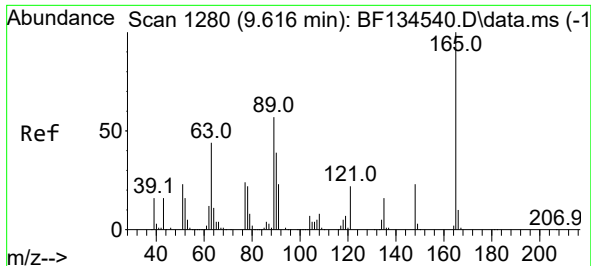
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

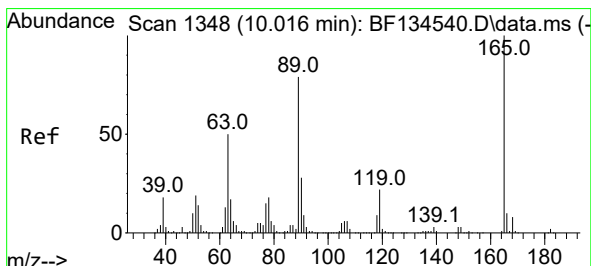
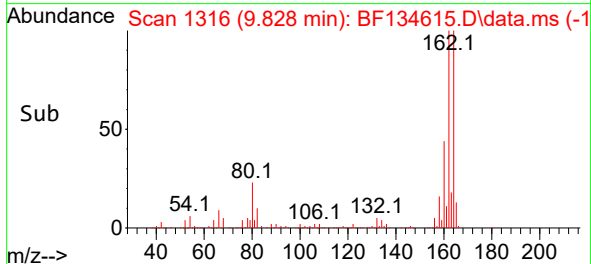
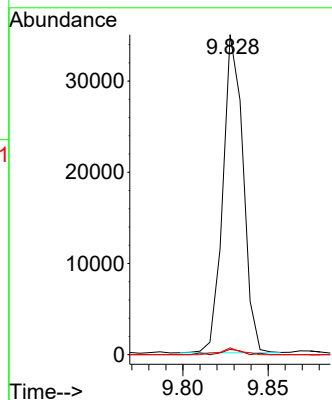
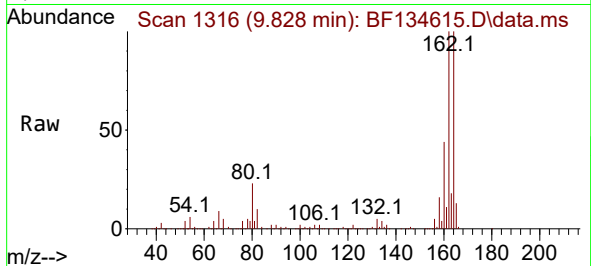




#51
2,6-Dinitrotoluene
Concen: 11.041 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

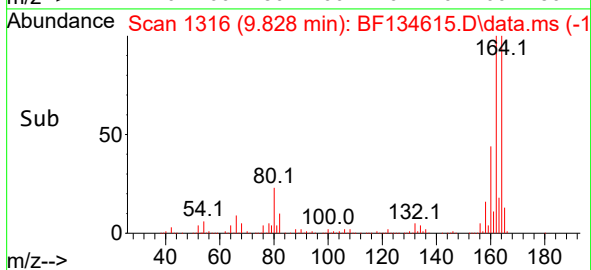
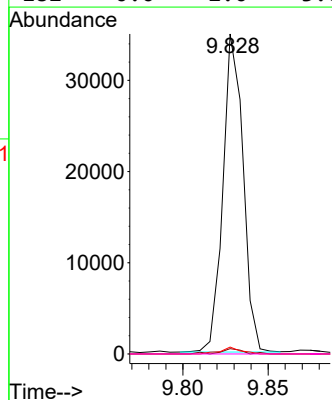
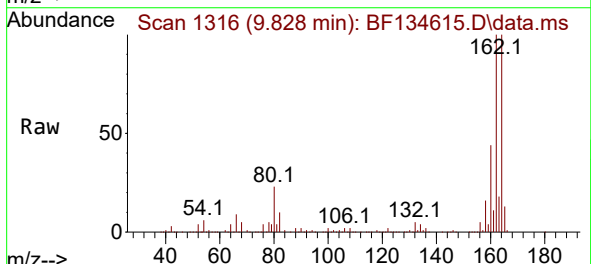
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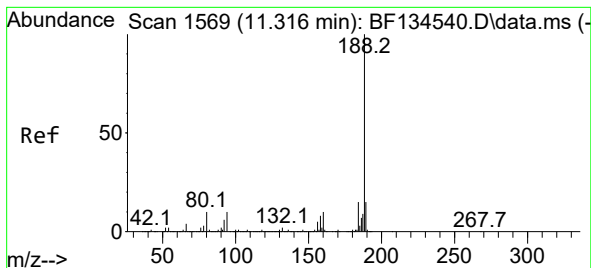
Tgt Ion:165 Resp: 28766
Ion Ratio Lower Upper
165 100
63 1.7 57.8 86.6#
89 2.1 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 9.870 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

Tgt Ion:165 Resp: 28766
Ion Ratio Lower Upper
165 100
63 1.7 48.9 73.3#
89 2.1 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

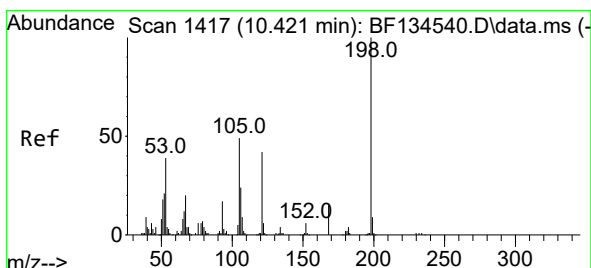
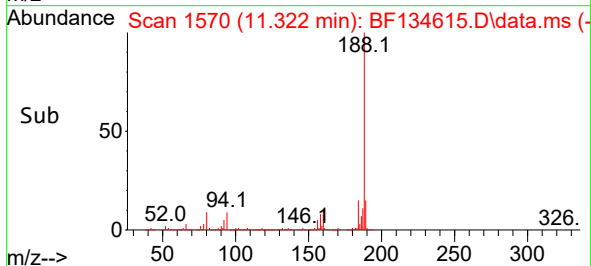
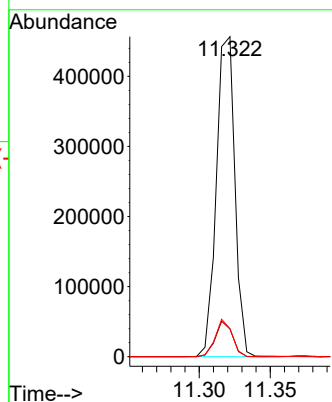
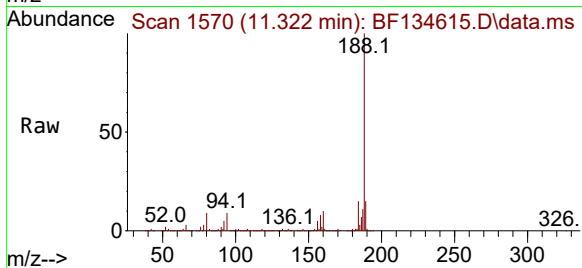
Tgt Ion:188 Resp: 415211

Ion Ratio Lower Upper

188 100

94 8.6 5.1 7.7#

80 8.8 6.6 9.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.929 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.201 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

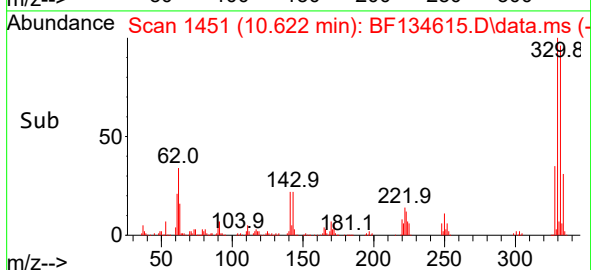
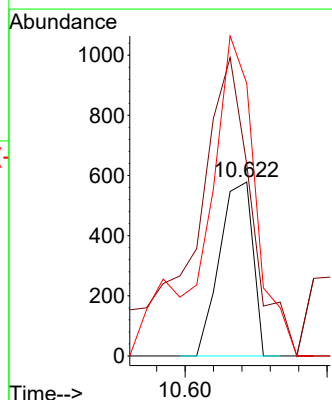
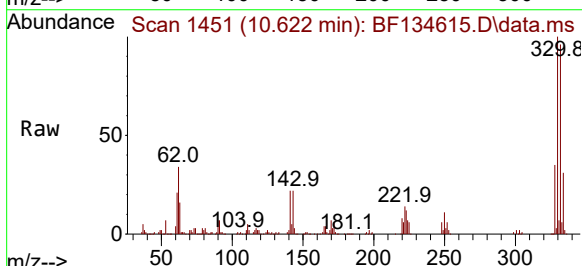
Tgt Ion:198 Resp: 472

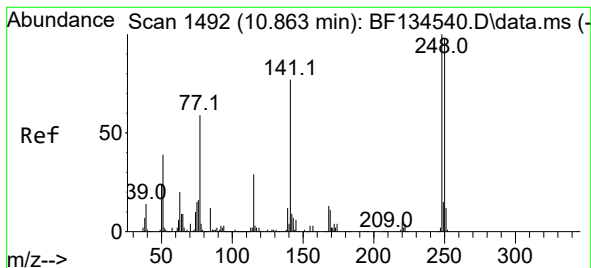
Ion Ratio Lower Upper

198 100

51 110.2 38.6 78.6#

105 156.7 27.9 67.9#

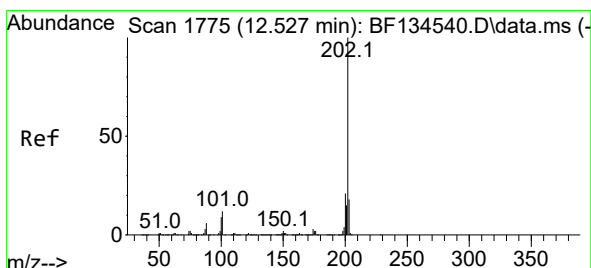
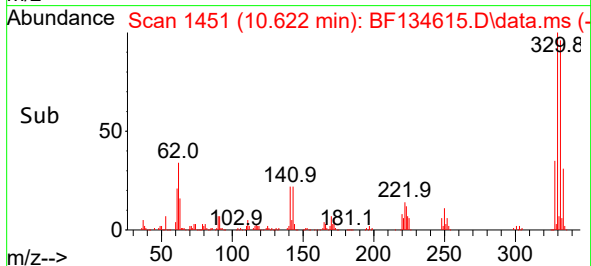
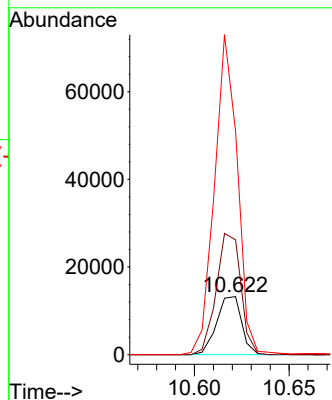
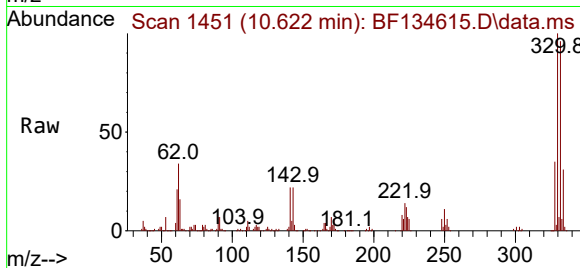




#67
4-Bromophenyl-phenylether
Concen: 2.683 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.241 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

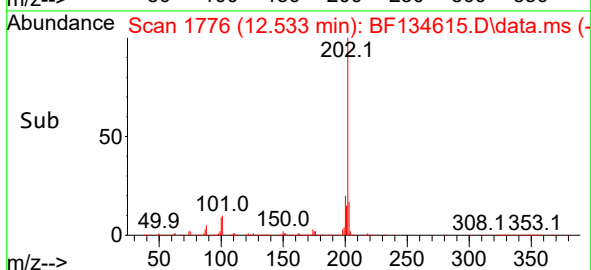
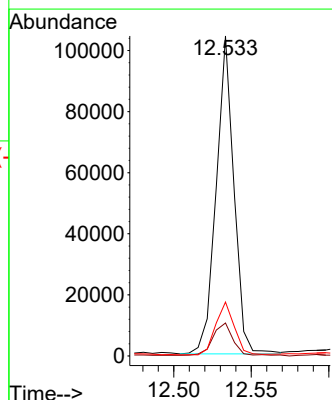
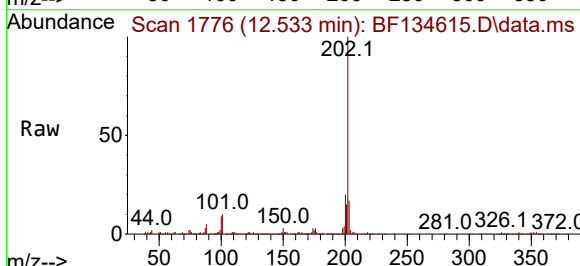
Instrument :
BNA_F
ClientSampleId :
RPTP-13-CS-13

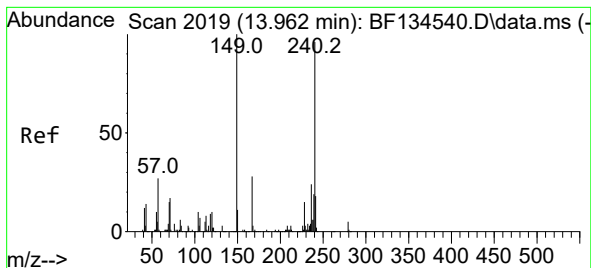
Tgt Ion:248 Resp: 12197
Ion Ratio Lower Upper
248 100
250 198.0 79.6 119.4#
141 385.4 59.6 89.4#



#75
Fluoranthene
Concen: 3.557 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF134615.D
Acq: 03 Aug 2023 16:45

Tgt Ion:202 Resp: 82866
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.5
203 16.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

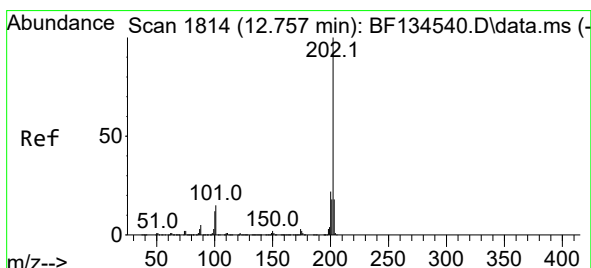
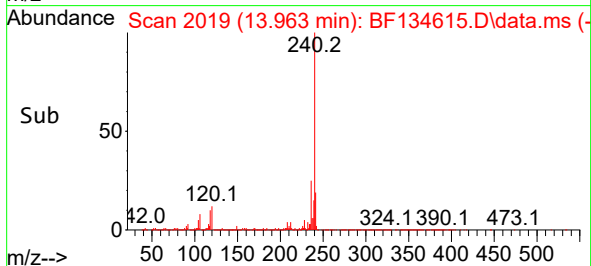
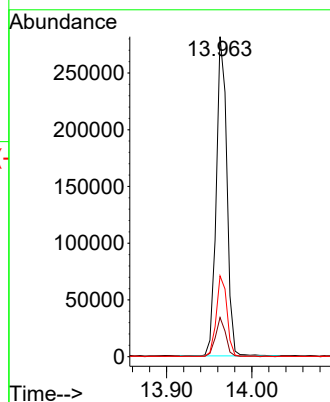
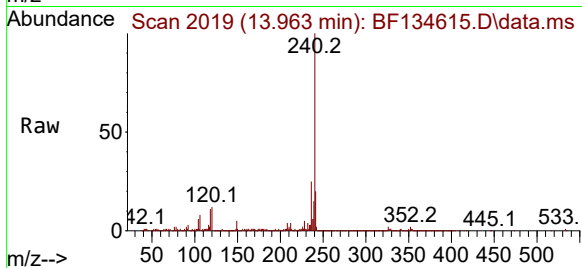
Tgt Ion:240 Resp: 244176

Ion Ratio Lower Upper

240 100

120 12.3 6.6 10.0#

236 25.3 20.2 30.2



#78

Pyrene

Concen: 4.155 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

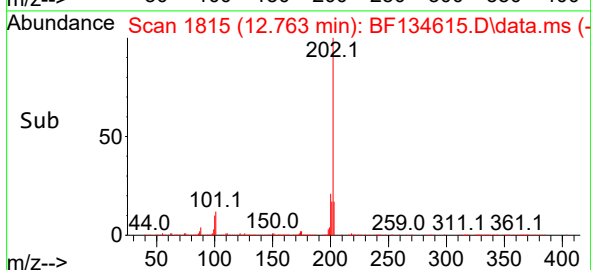
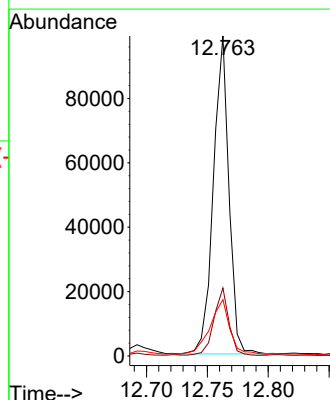
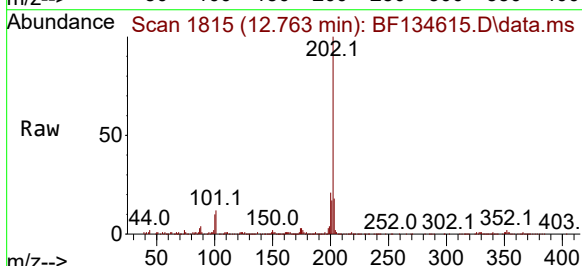
Tgt Ion:202 Resp: 87793

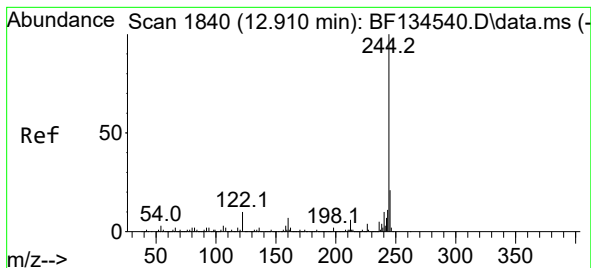
Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 17.6 13.5 20.3





#79

Terphenyl-d14

Concen: 68.859 ng

RT: 12.916 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

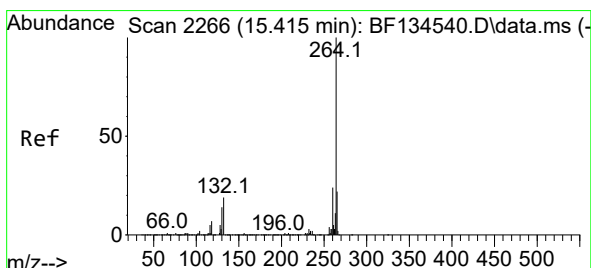
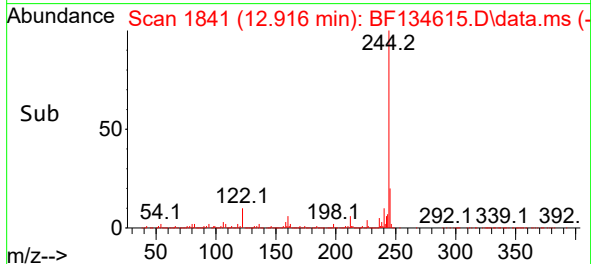
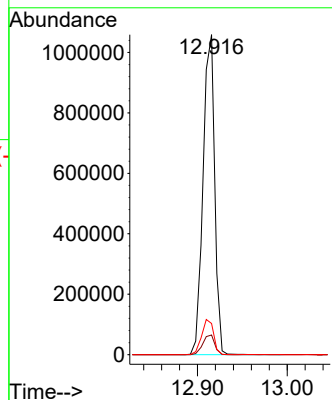
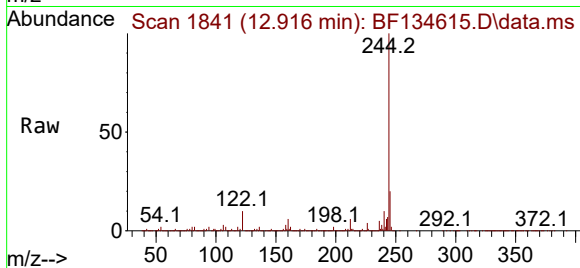
Tgt Ion:244 Resp: 953773

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 9.8 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.018 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

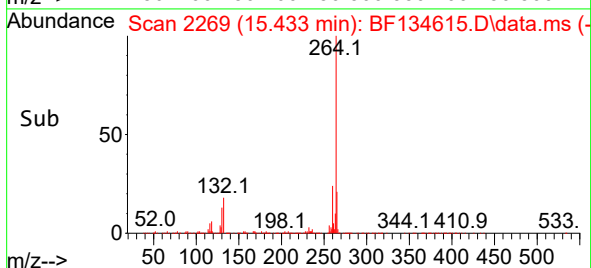
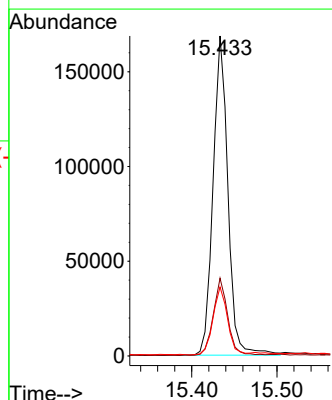
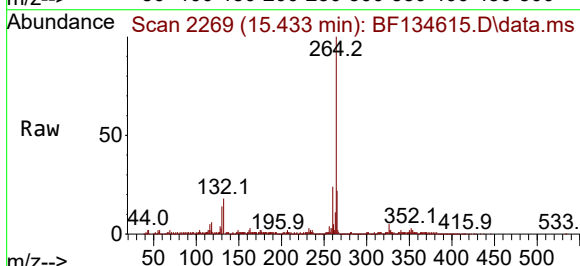
Tgt Ion:264 Resp: 203823

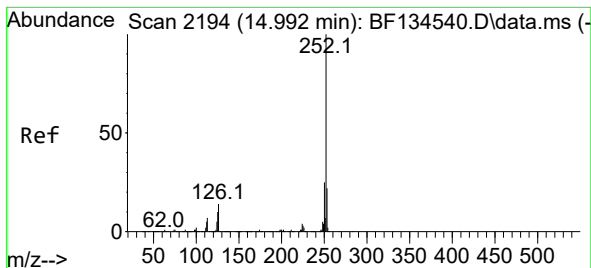
Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 21.5 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 3.454 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

Instrument :

BNA_F

ClientSampleId :

RPTP-13-CS-13

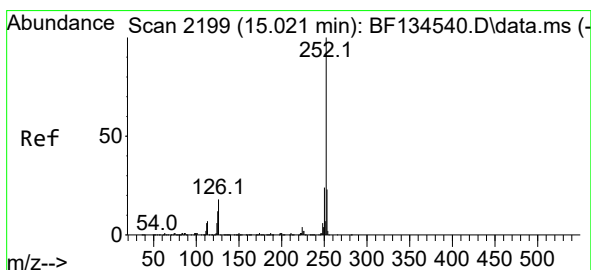
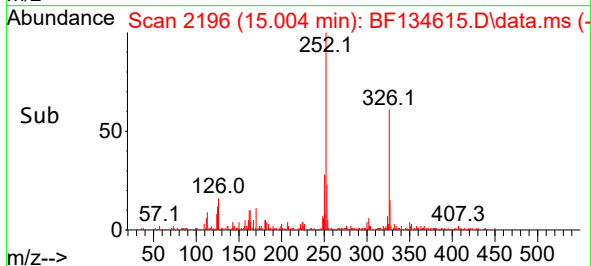
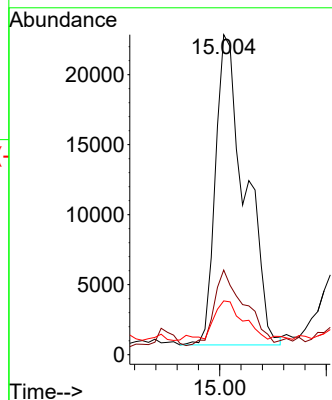
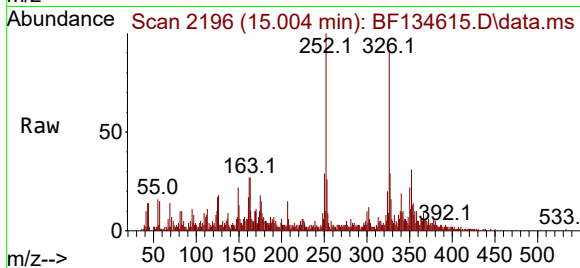
Tgt Ion:252 Resp: 42941

Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 16.8 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 3.468 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.017 min

Lab File: BF134615.D

Acq: 03 Aug 2023 16:45

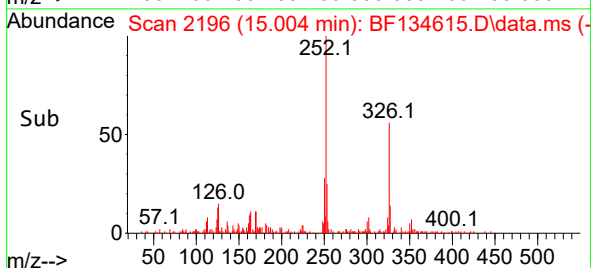
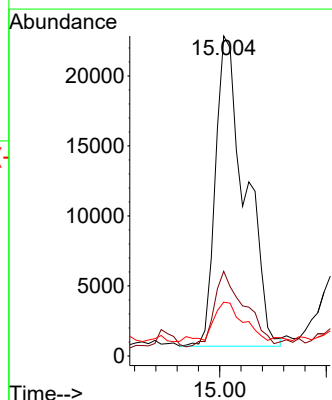
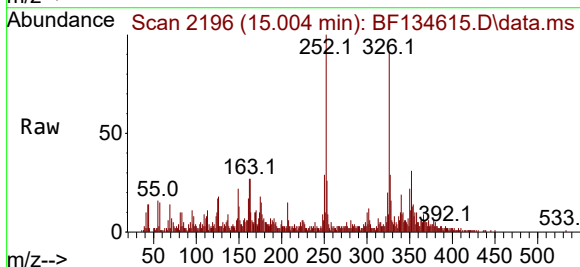
Tgt Ion:252 Resp: 42941

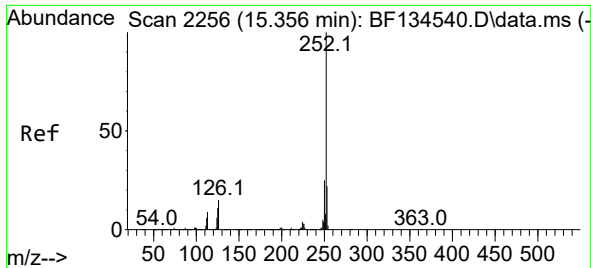
Ion Ratio Lower Upper

252 100

253 26.5 17.9 26.9

125 16.8 6.3 9.5#





#90
 Benzo(a)pyrene
 Concen: 2.109 ng
 RT: 15.368 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF134615.D
 Acq: 03 Aug 2023 16:45

Instrument :
 BNA_F
 ClientSampleId :
 RPTP-13-CS-13

Tgt Ion:252 Resp: 24440
 Ion Ratio Lower Upper
 252 100
 253 30.8 17.0 25.4#
 125 14.4 6.2 9.4#

