

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134617.D
 Acq On : 03 Aug 2023 17:49
 Operator : CG\JU
 Sample : 03854-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RPTP-14-CS-14

Quant Time: Aug 04 01:10:08 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

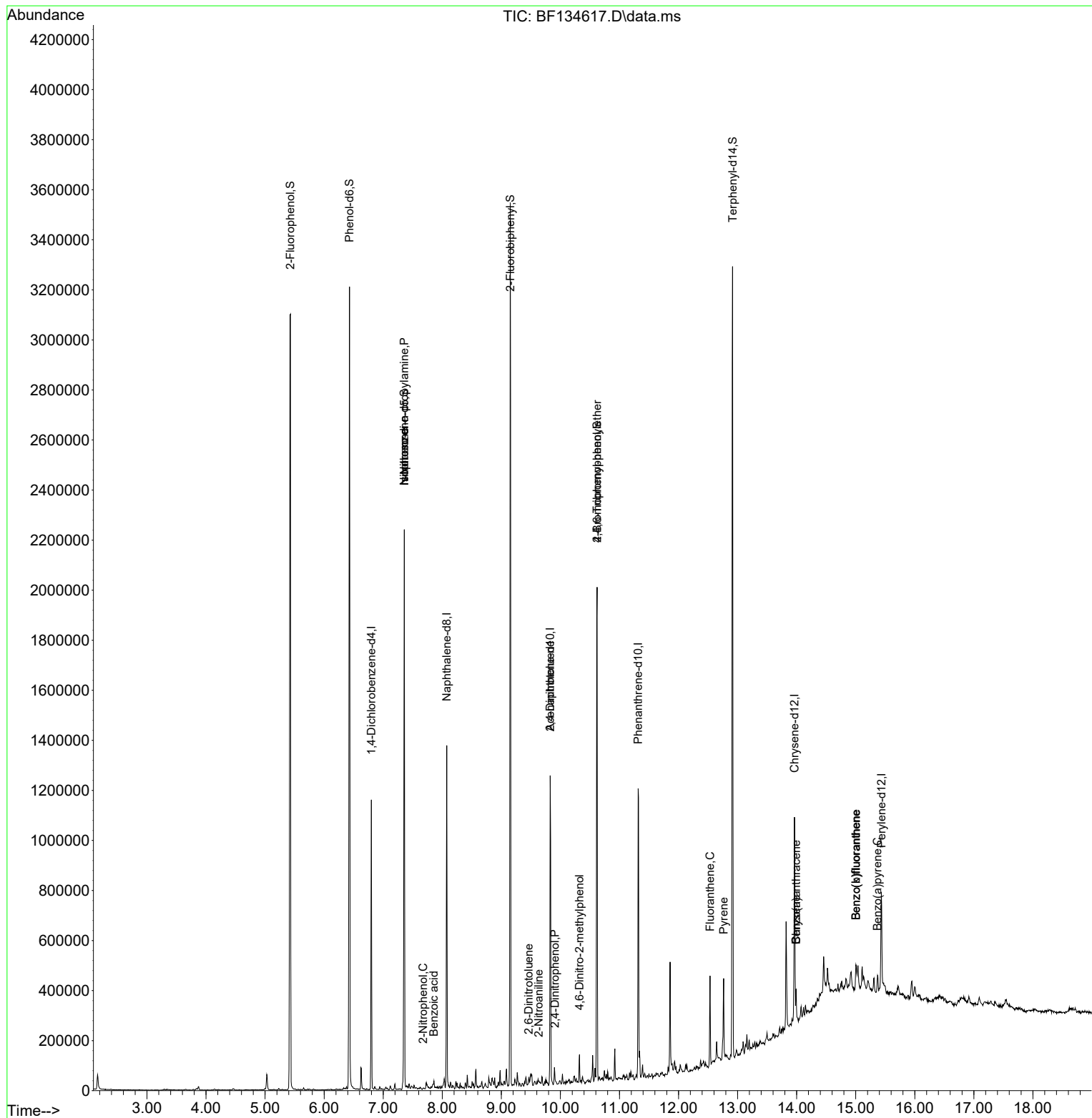
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	150437	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	524595	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	227831	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	422360	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	235649	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	199087	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	939427	94.925	ng	0.01
7) Phenol-d6	6.428	99	1142619	90.320	ng	0.00
23) Nitrobenzene-d5	7.357	82	627782	74.785	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	241745	104.087	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1074004	78.380	ng	0.00
79) Terphenyl-d14	12.916	244	1144382	85.610	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	1819	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.357	70	84497	11.156	ng	# 73
25) Isophorone	7.357	82	626010	34.191	ng	# 65
26) 2-Nitrophenol	7.675	139	58	4.806	ng	# 29
32) Benzoic acid	7.857	122	6876	8.946	ng	# 21
48) 2-Nitroaniline	9.634	65	351	3.245	ng	91
51) 2,6-Dinitrotoluene	9.463	165	1093	2.821	ng	# 55
54) 2,4-Dinitrophenol	9.904	184	66	6.850	ng	# 1
57) 2,4-Dinitrotoluene	9.828	165	31687	10.607	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.322	198	158	8.775	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	15512	3.355	ng	# 1
75) Fluoranthene	12.533	202	136073	5.742	ng	98
78) Pyrene	12.763	202	126712	6.214	ng	97
81) Benzo(a)anthracene	13.992	228	50314	2.986	ng	96
83) Chrysene	13.992	228	50314	3.065	ng	95
88) Benzo(b)fluoranthene	15.004	252	80575	6.636	ng	# 92
89) Benzo(k)fluoranthene	15.004	252	80575	6.662	ng	# 94
90) Benzo(a)pyrene	15.368	252	35402	3.127	ng	# 84

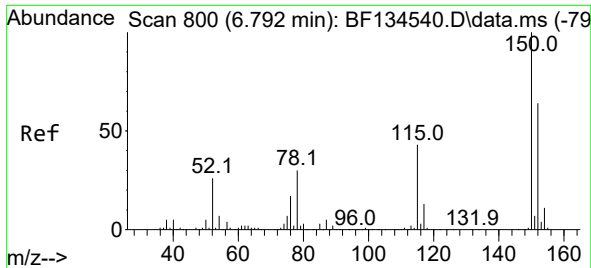
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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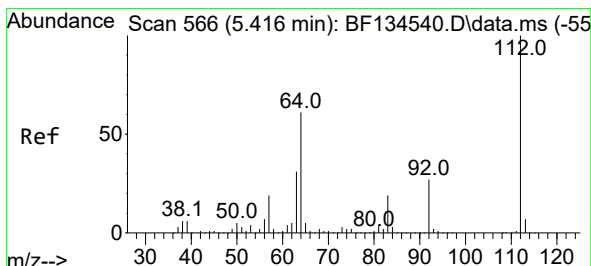
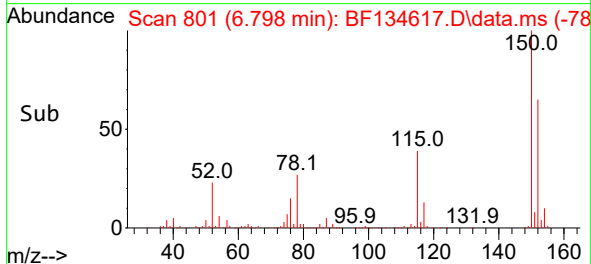
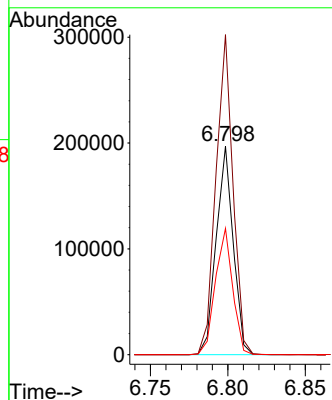
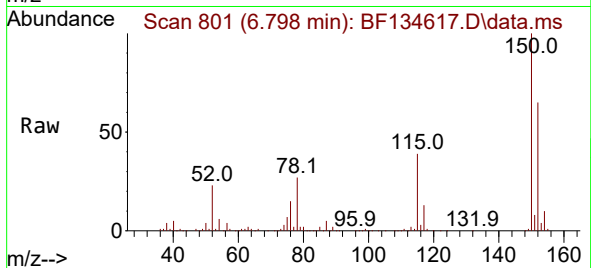




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

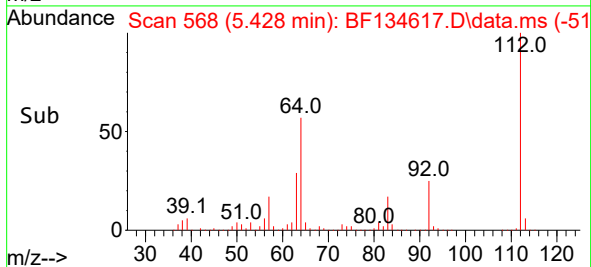
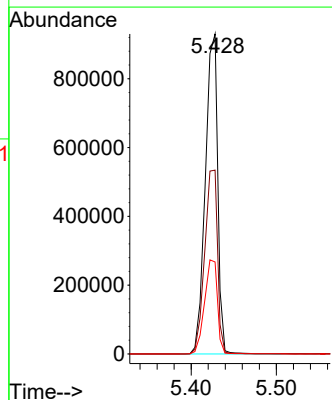
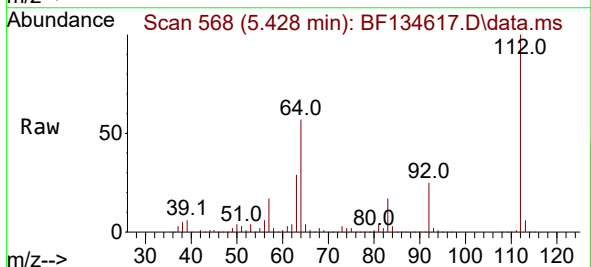
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14

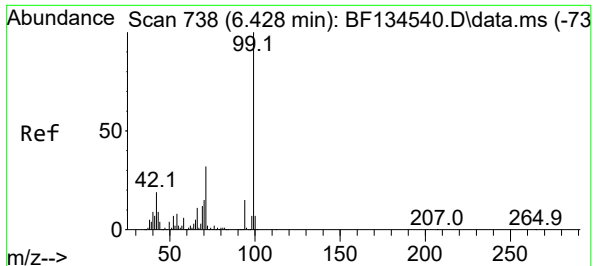
Tgt Ion:152 Resp: 150437
Ion Ratio Lower Upper
152 100
150 153.5 128.3 192.5
115 60.6 52.4 78.6



#5
2-Fluorophenol
Concen: 94.925 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

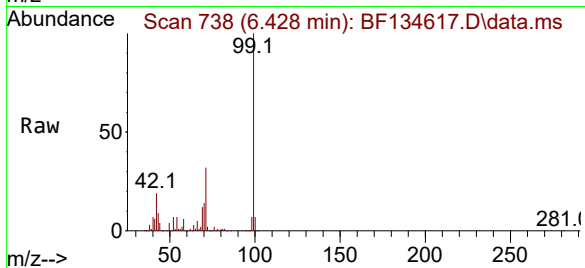
Tgt Ion:112 Resp: 939427
Ion Ratio Lower Upper
112 100
64 57.5 44.9 67.3
63 28.8 25.4 38.0



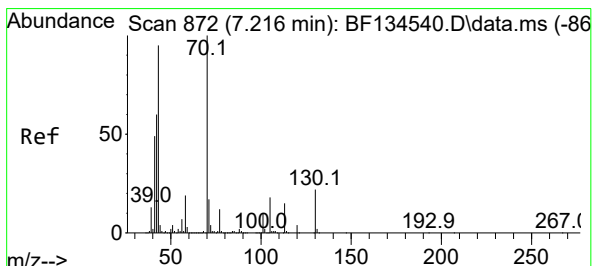
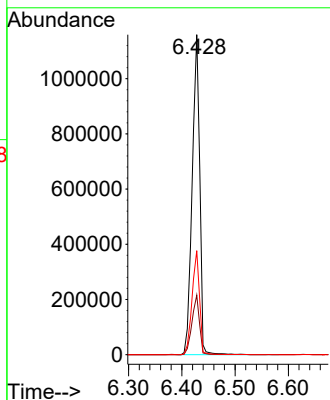
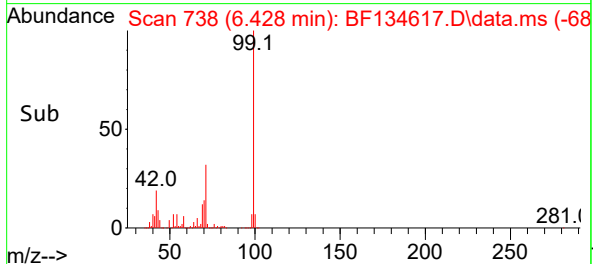


#7
Phenol-d6
Concen: 90.320 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

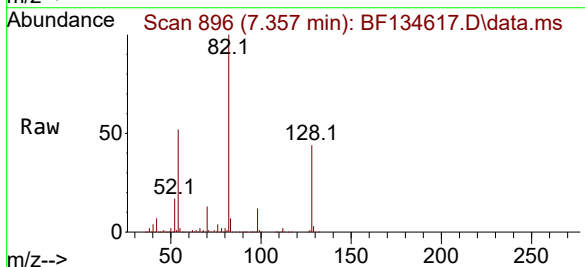
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14



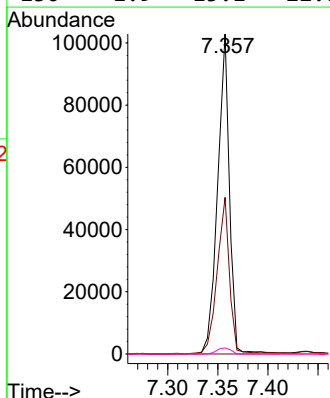
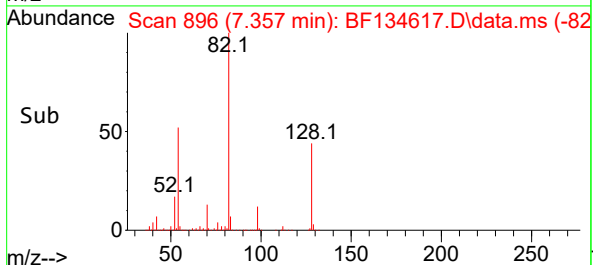
Tgt Ion: 99 Resp: 1142619
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.5 36.4 54.6#

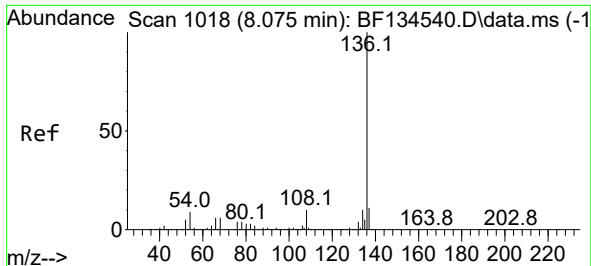


#19
n-Nitroso-di-n-propylamine
Concen: 11.156 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49



Tgt Ion: 70 Resp: 84497
Ion Ratio Lower Upper
70 100
42 49.0 54.7 82.1#
101 0.0 8.2 12.2#
130 1.9 15.1 22.7#

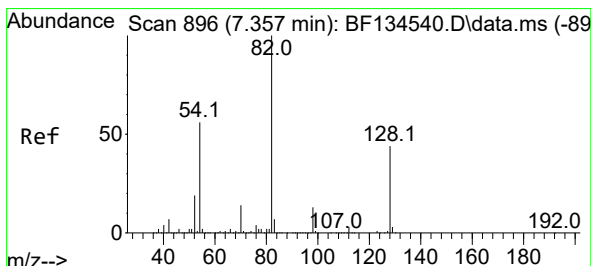
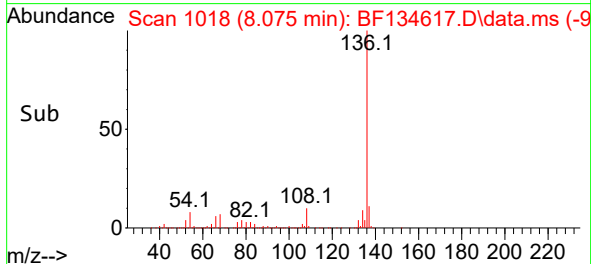
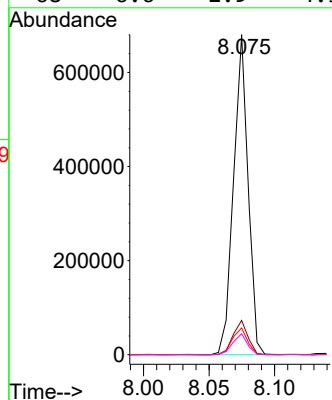
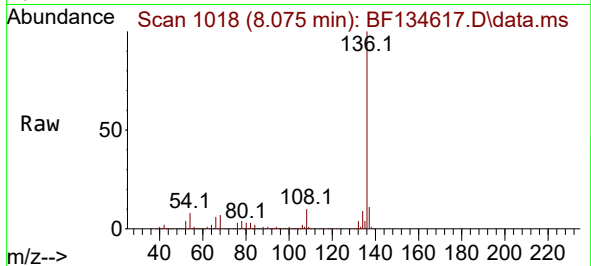




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

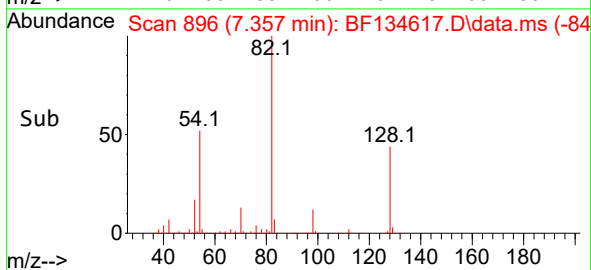
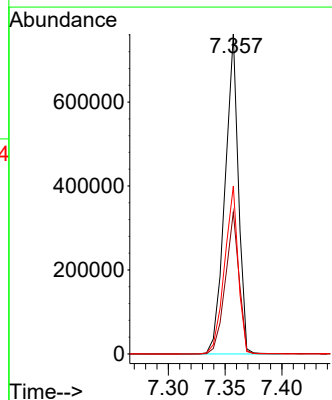
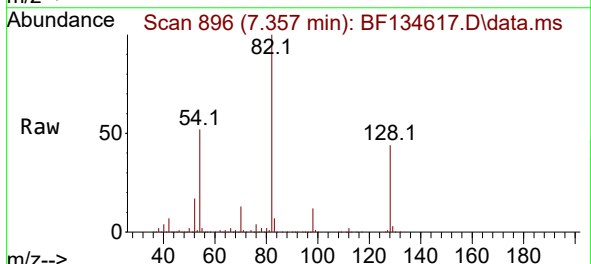
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14

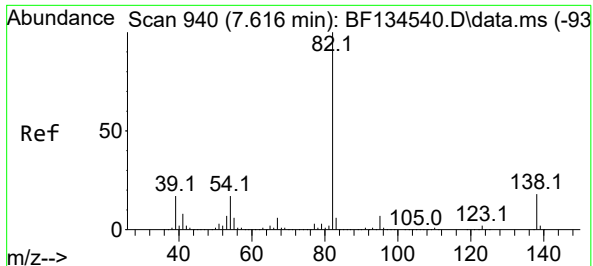
Tgt Ion:136 Resp: 524595
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.3 5.2 7.8#
68 6.6 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 74.785 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 82 Resp: 627782
Ion Ratio Lower Upper
82 100
128 44.3 34.3 51.5
54 52.4 43.8 65.6

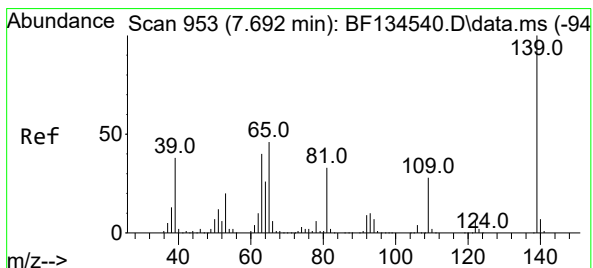
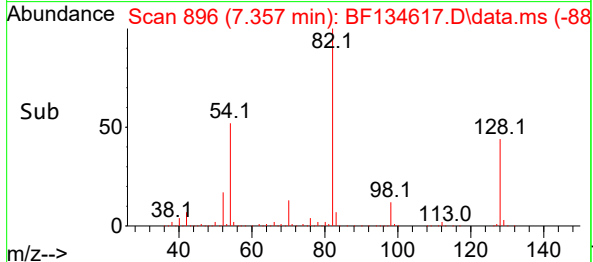
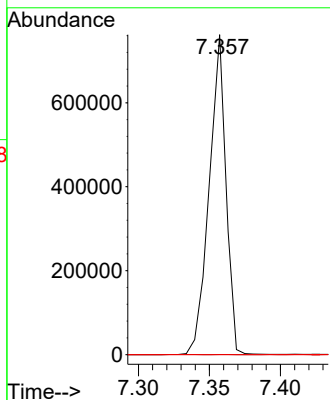
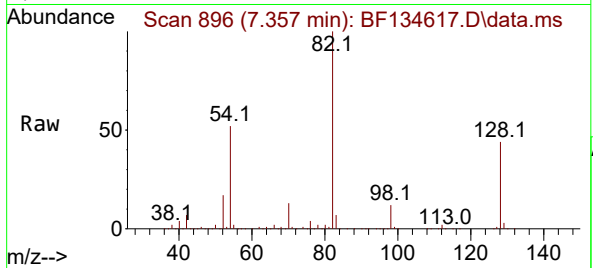




#25
Isophorone
Concen: 34.191 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

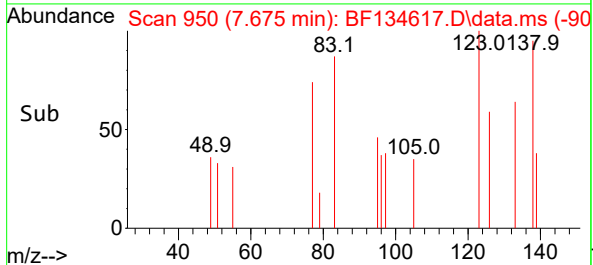
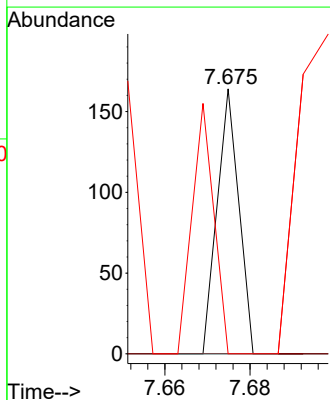
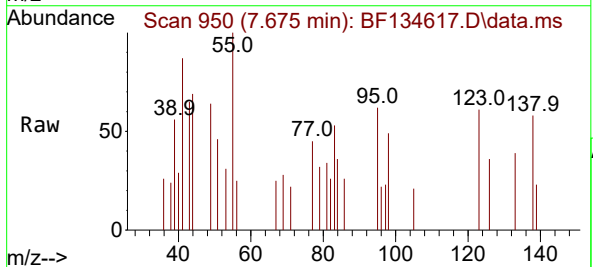
Instrument :
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ClientSampleId :
RPTP-14-CS-14

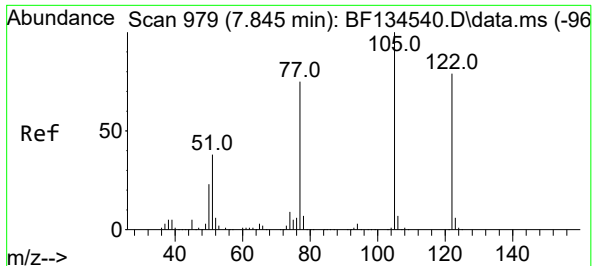
Tgt Ion: 82 Resp: 626010
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.806 ng
RT: 7.675 min Scan# 950
Delta R.T. -0.017 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#

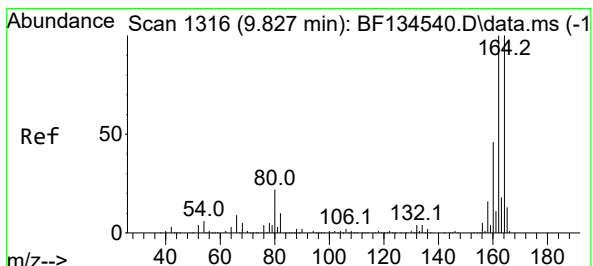
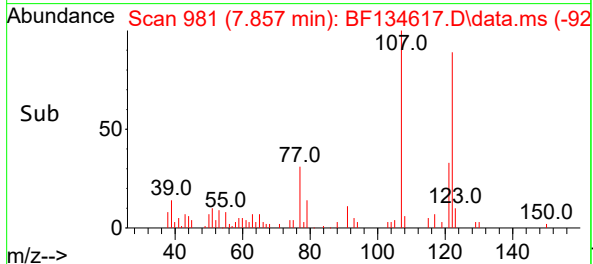
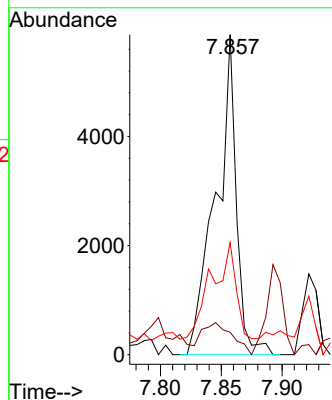
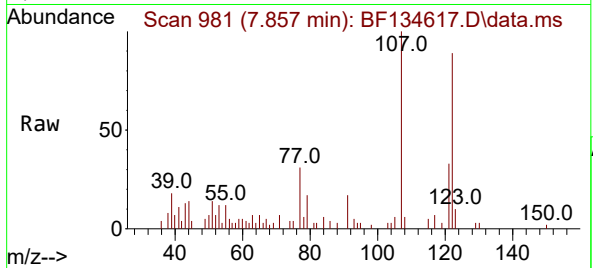




#32
Benzoic acid
Concen: 8.946 ng
RT: 7.857 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

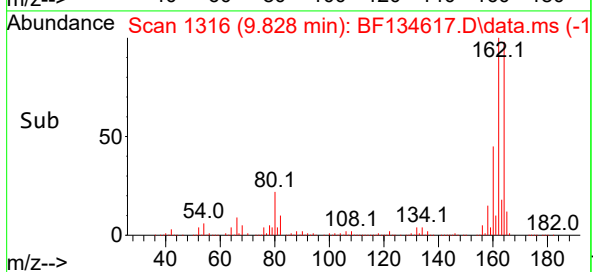
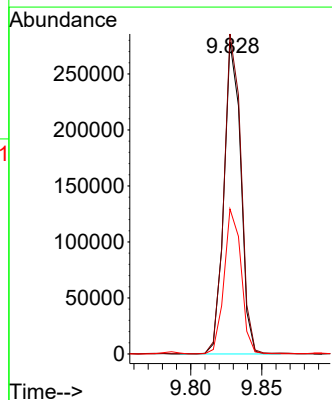
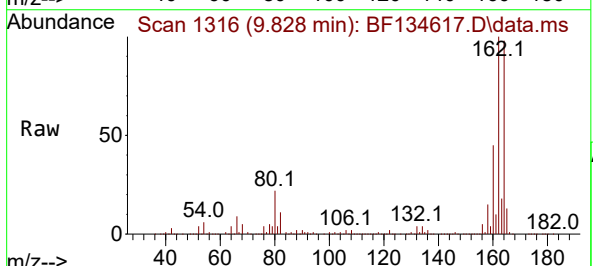
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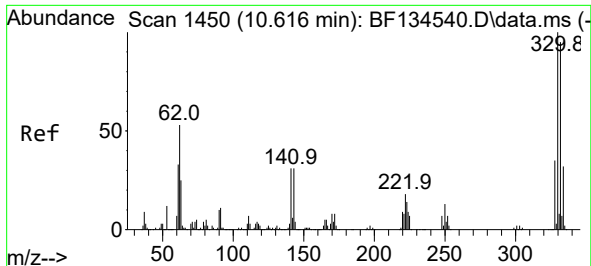
Tgt Ion:122 Resp: 6876
Ion Ratio Lower Upper
122 100
105 7.0 87.5 127.5#
77 35.0 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion:164 Resp: 227831
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 46.4 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 104.087 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

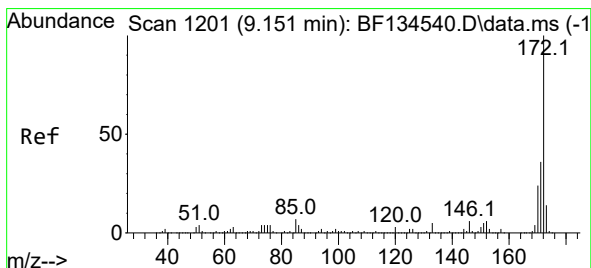
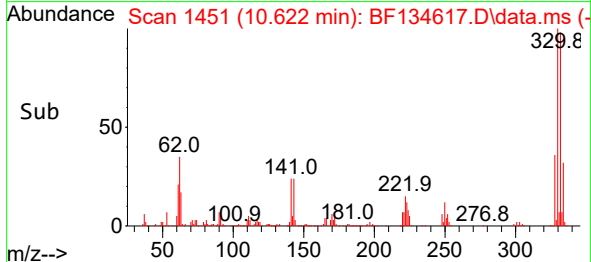
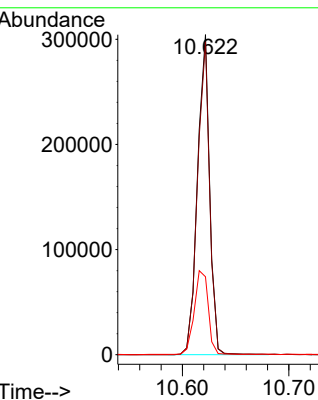
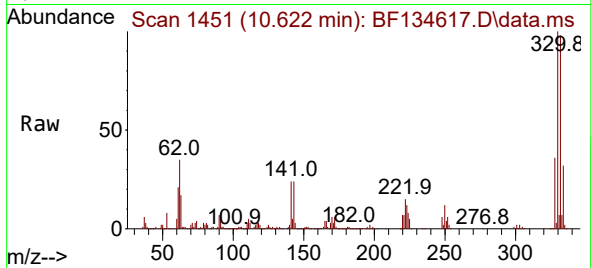
Tgt Ion:330 Resp: 241745

Ion Ratio Lower Upper

330 100

332 98.1 78.8 118.2

141 30.7 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 78.380 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

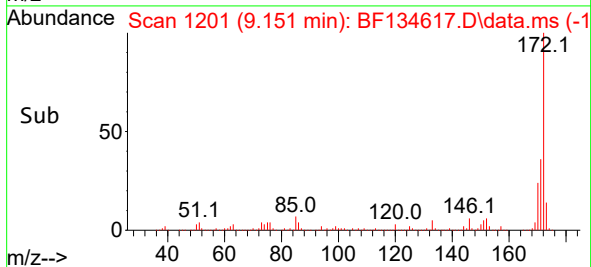
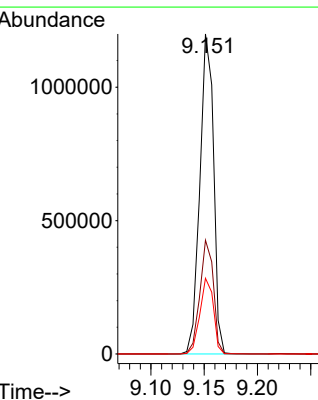
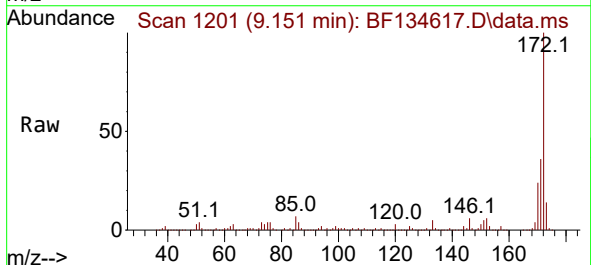
Tgt Ion:172 Resp: 1074004

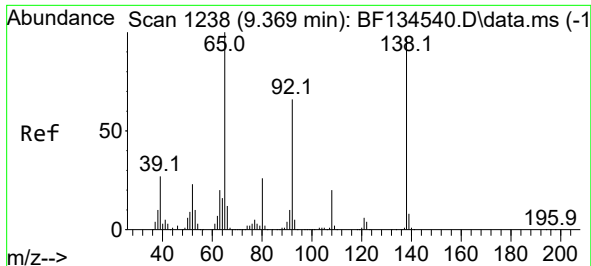
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.6 18.7 28.1





#48

2-Nitroaniline

Concen: 3.245 ng

RT: 9.634 min Scan# 11

Delta R.T. 0.265 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

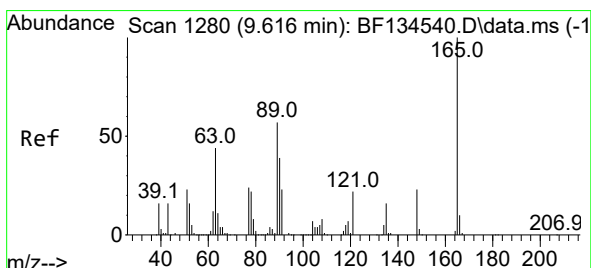
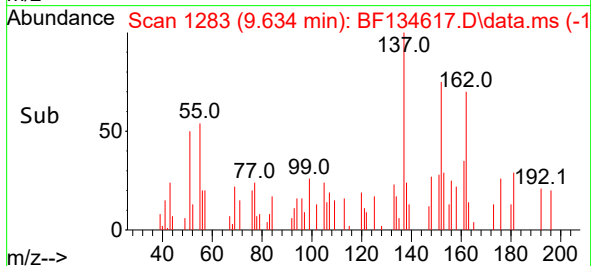
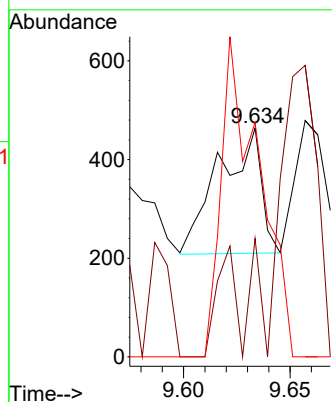
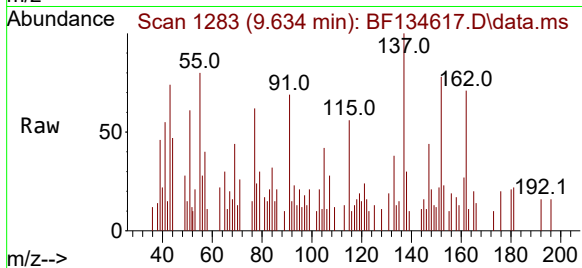
Tgt Ion: 65 Resp: 351

Ion Ratio Lower Upper

65 100

92 51.7 50.7 76.1

138 102.4 78.2 117.4



#51

2,6-Dinitrotoluene

Concen: 2.821 ng

RT: 9.463 min Scan# 1254

Delta R.T. -0.153 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

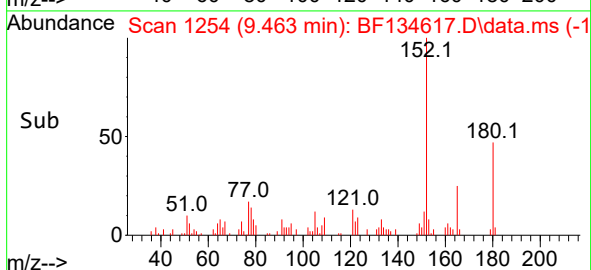
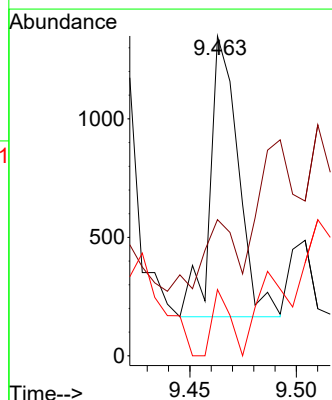
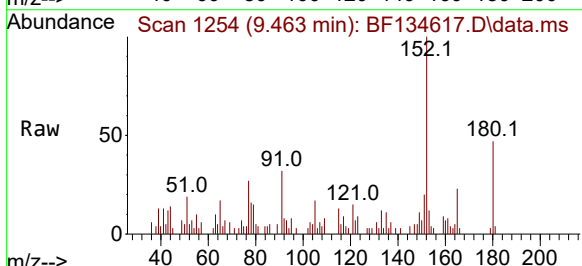
Tgt Ion: 165 Resp: 1093

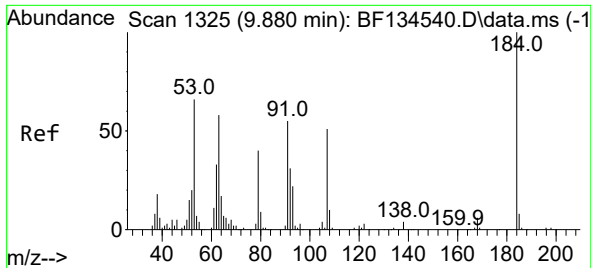
Ion Ratio Lower Upper

165 100

63 42.6 57.8 86.6#

89 20.7 51.8 77.8#

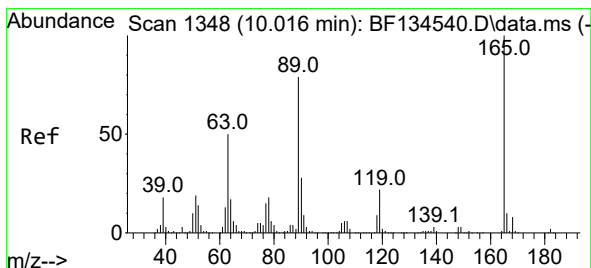
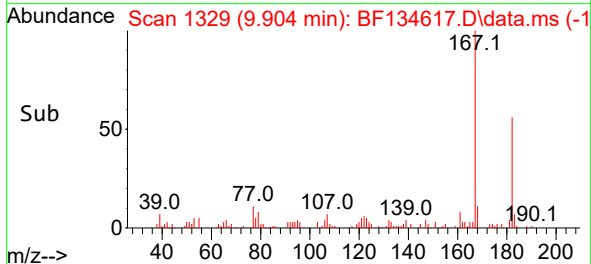
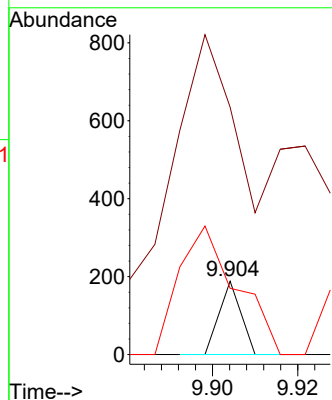
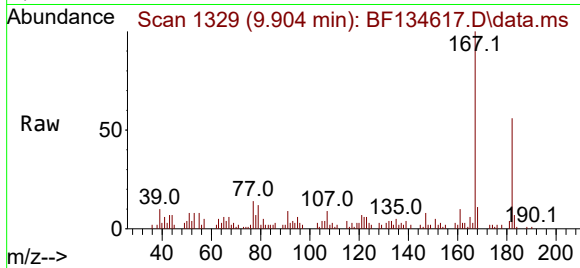




#54
2,4-Dinitrophenol
Concen: 6.850 ng
RT: 9.904 min Scan# 1316
Delta R.T. 0.024 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

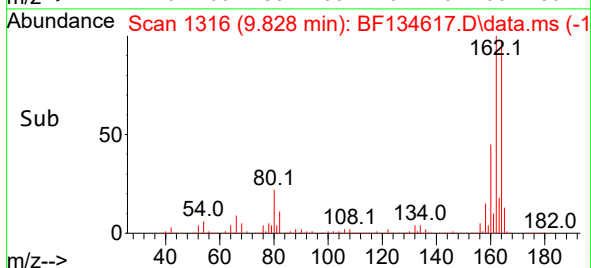
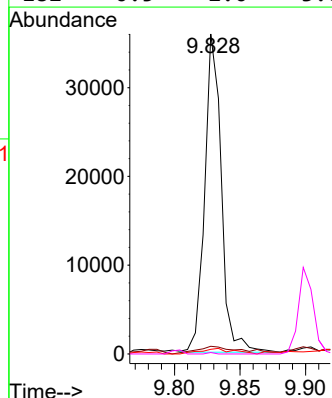
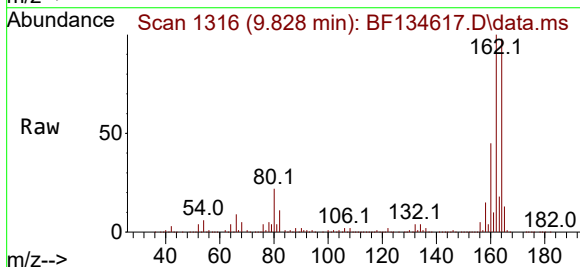
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14

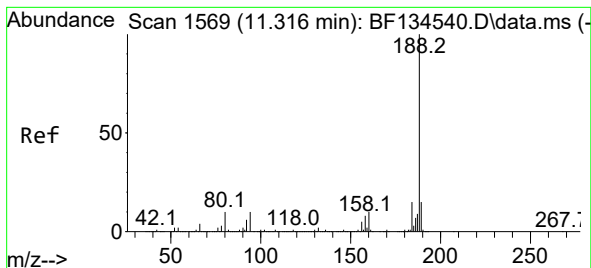
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 337.8 57.1 85.7#
154 90.4 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.607 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion:165 Resp: 31687
Ion Ratio Lower Upper
165 100
63 2.4 48.9 73.3#
89 1.5 61.7 92.5#
182 0.5 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

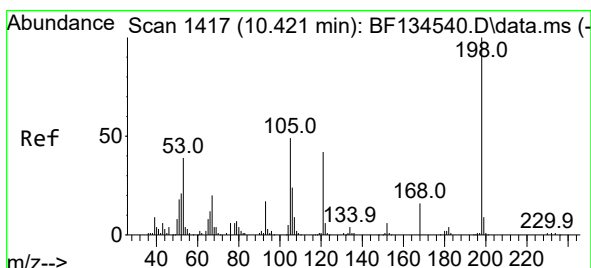
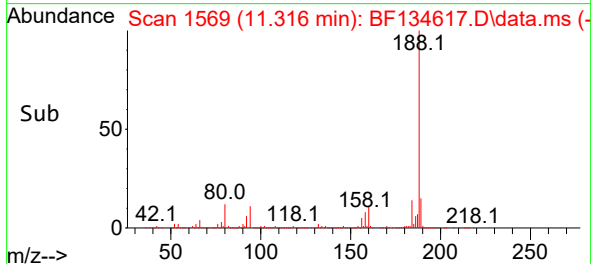
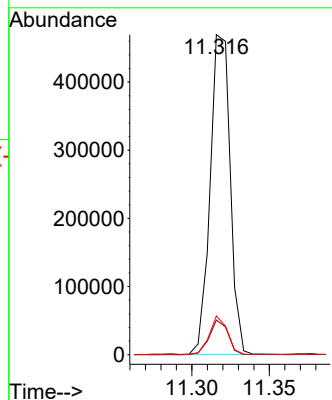
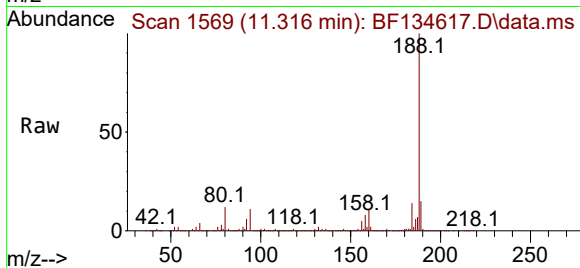
Tgt Ion:188 Resp: 422360

Ion Ratio Lower Upper

188 100

94 10.8 5.1 7.7#

80 12.1 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.775 ng

RT: 10.322 min Scan# 1400

Delta R.T. -0.099 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

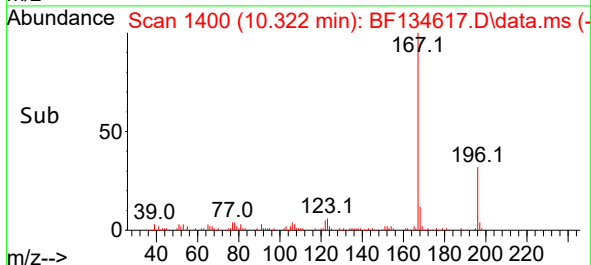
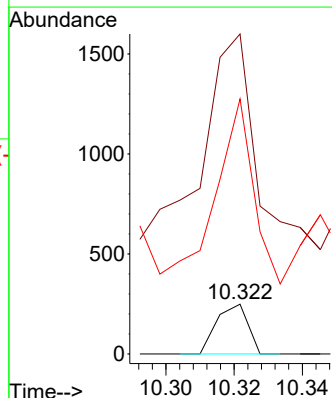
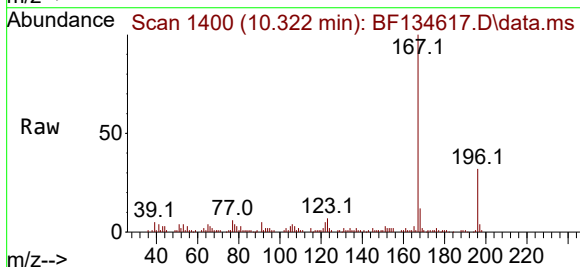
Tgt Ion:198 Resp: 158

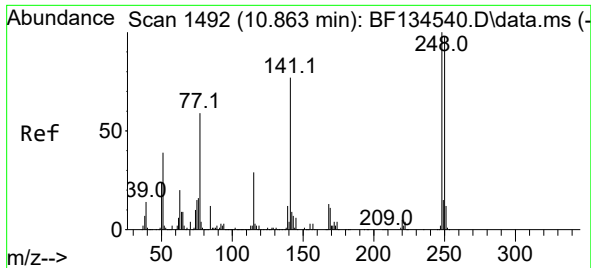
Ion Ratio Lower Upper

198 100

51 642.6 38.6 78.6#

105 512.0 27.9 67.9#

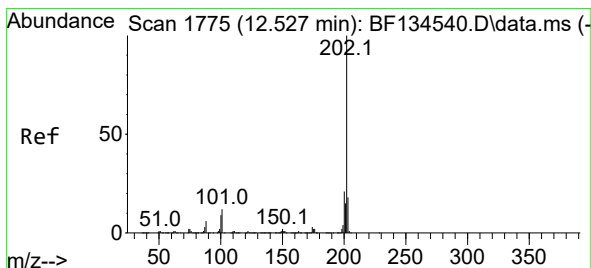
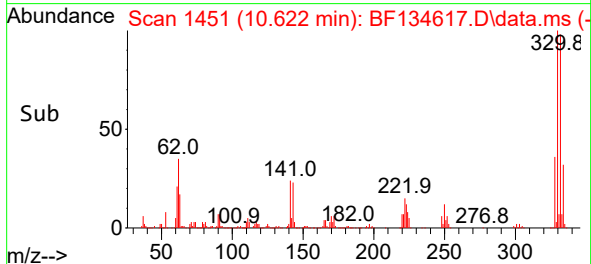
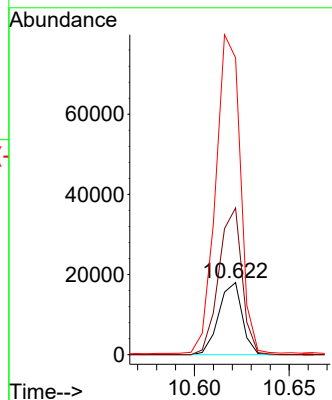
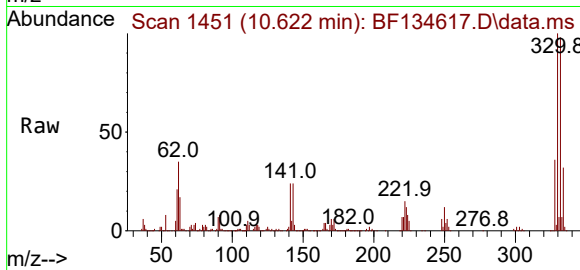




#67
4-Bromophenyl-phenylether
Concen: 3.355 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.241 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

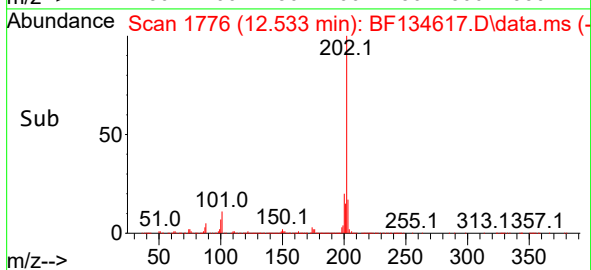
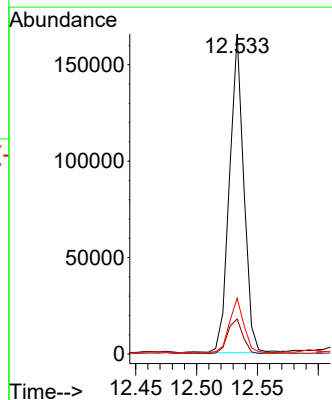
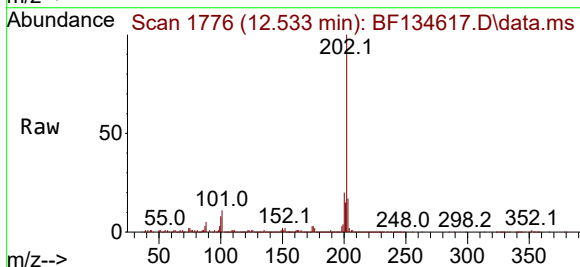
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14

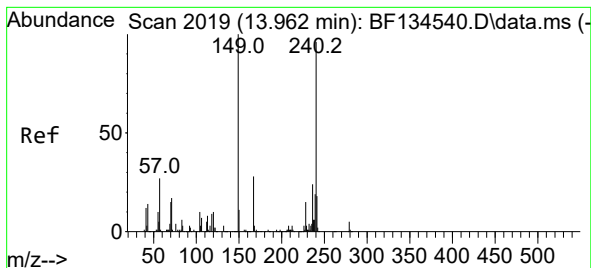
Tgt Ion:248 Resp: 15512
Ion Ratio Lower Upper
248 100
250 203.2 79.6 119.4#
141 411.2 59.6 89.4#



#75
Fluoranthene
Concen: 5.742 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion:202 Resp: 136073
Ion Ratio Lower Upper
202 100
101 10.9 0.0 28.5
203 17.4 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: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

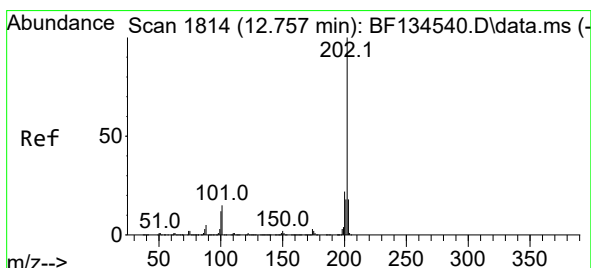
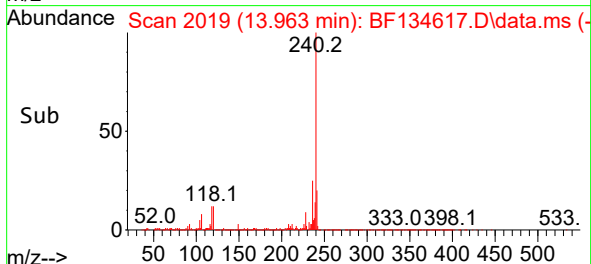
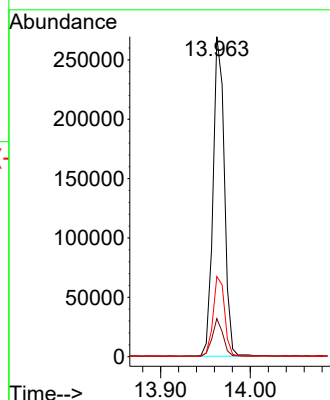
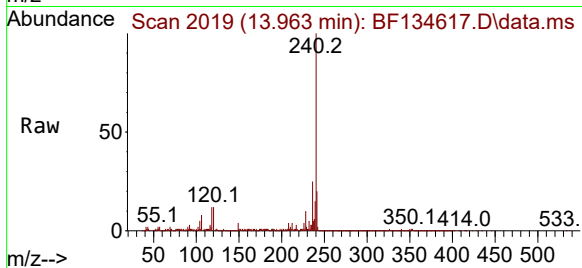
Tgt Ion:240 Resp: 235649

Ion Ratio Lower Upper

240 100

120 11.9 6.6 10.0#

236 25.1 20.2 30.2



#78

Pyrene

Concen: 6.214 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

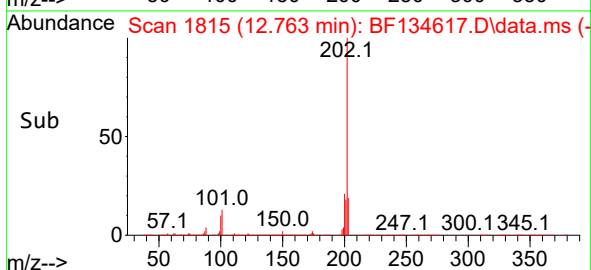
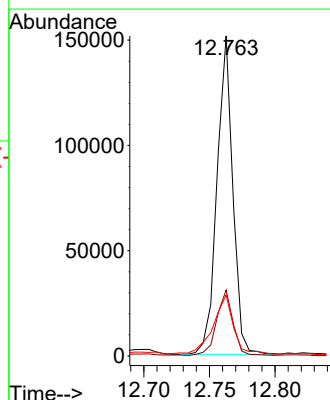
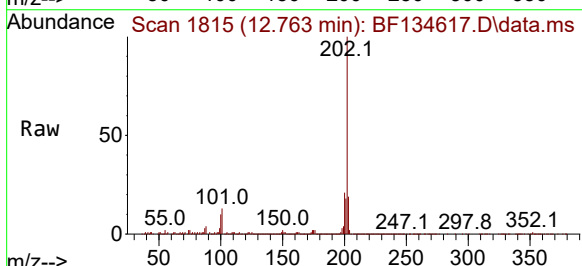
Tgt Ion:202 Resp: 126712

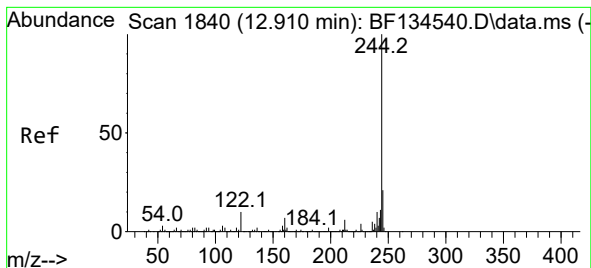
Ion Ratio Lower Upper

202 100

200 20.6 15.8 23.8

203 19.0 13.5 20.3





#79

Terphenyl-d14

Concen: 85.610 ng

RT: 12.916 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

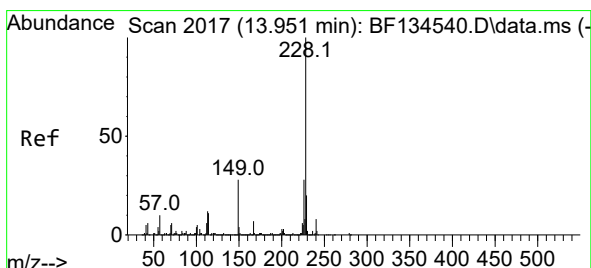
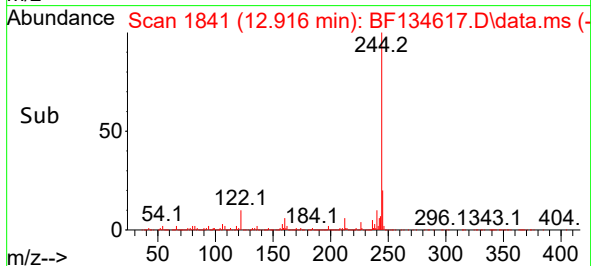
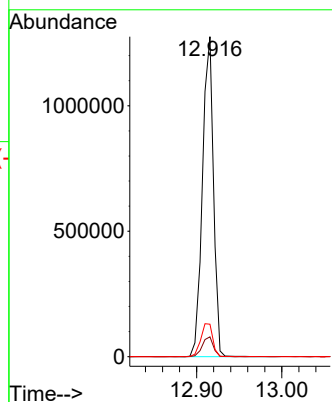
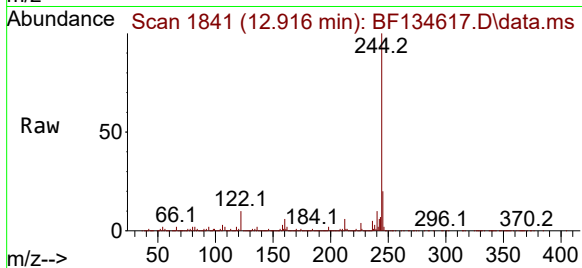
Tgt Ion:244 Resp: 1144382

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 10.1 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.986 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.041 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

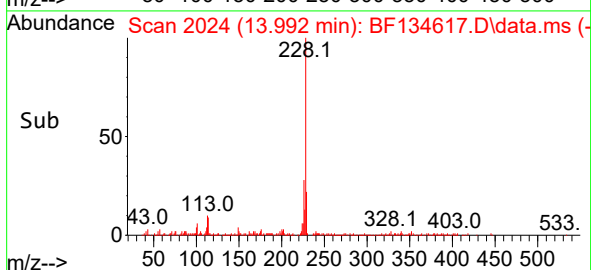
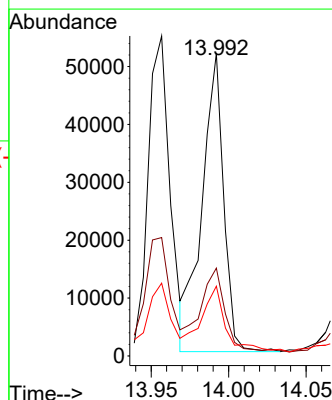
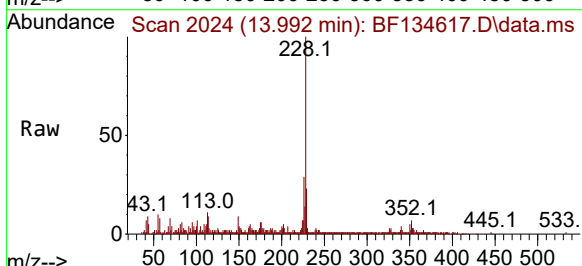
Tgt Ion:228 Resp: 50314

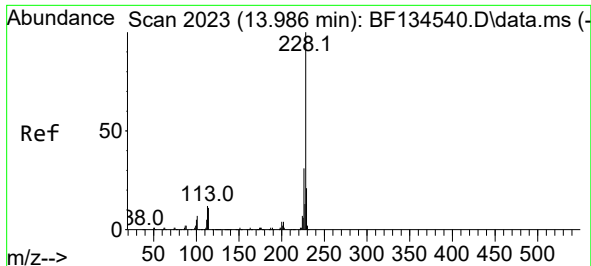
Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

229 23.0 15.8 23.6

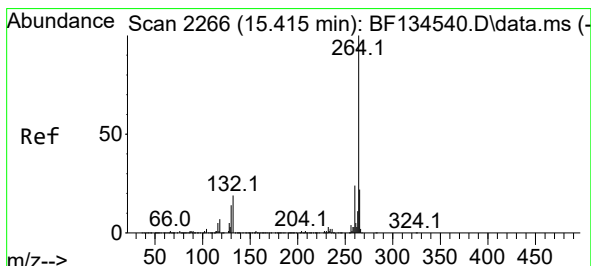
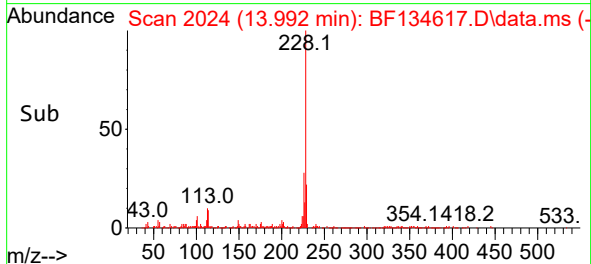
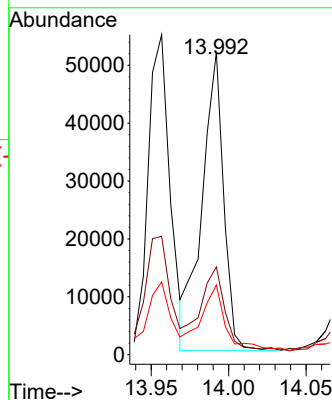
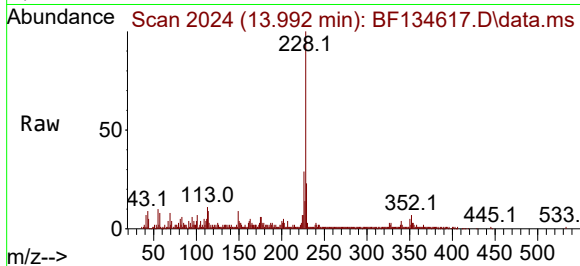




#83
Chrysene
Concen: 3.065 ng
RT: 13.992 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

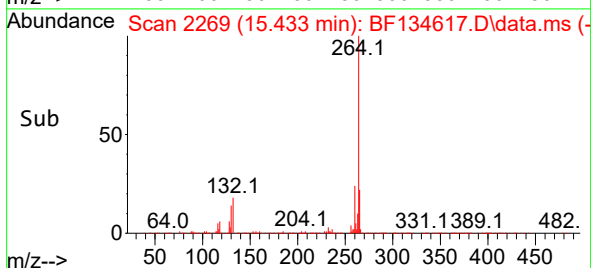
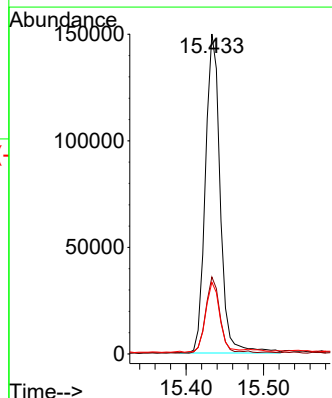
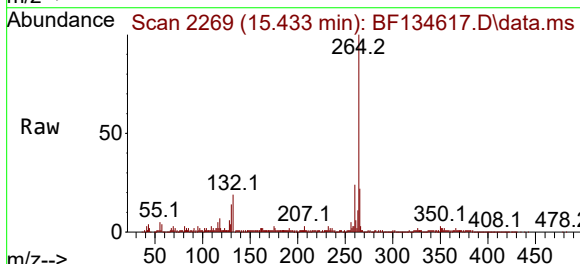
Instrument :
BNA_F
ClientSampleId :
RPTP-14-CS-14

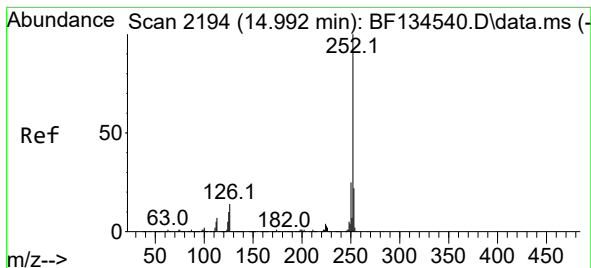
Tgt Ion:228 Resp: 50314
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 23.0 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.018 min
Lab File: BF134617.D
Acq: 03 Aug 2023 17:49

Tgt Ion:264 Resp: 199087
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.4 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 6.636 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14

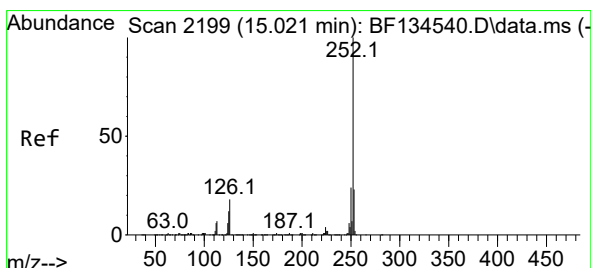
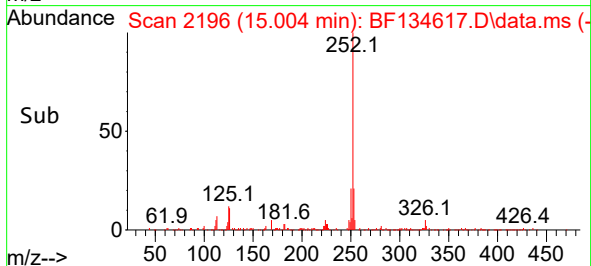
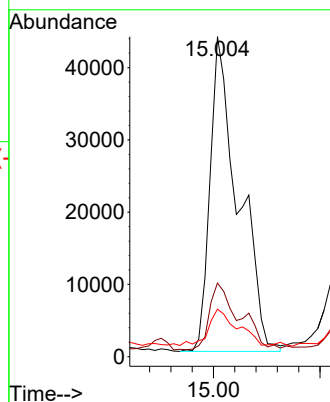
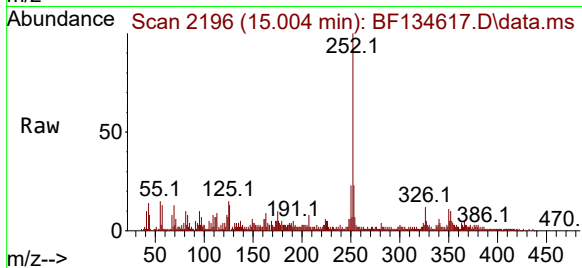
Tgt Ion:252 Resp: 80575

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 14.8 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 6.662 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.017 min

Lab File: BF134617.D

Acq: 03 Aug 2023 17:49

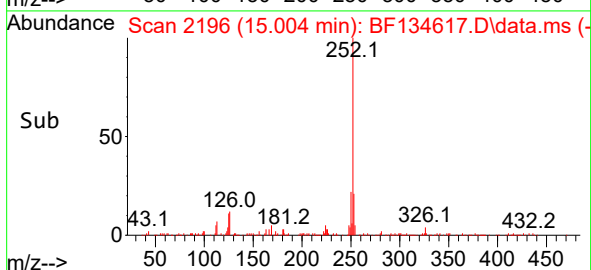
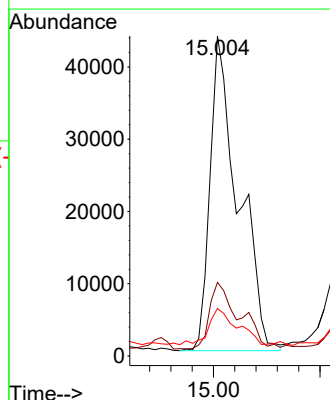
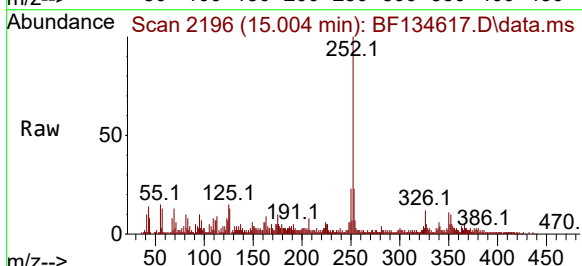
Tgt Ion:252 Resp: 80575

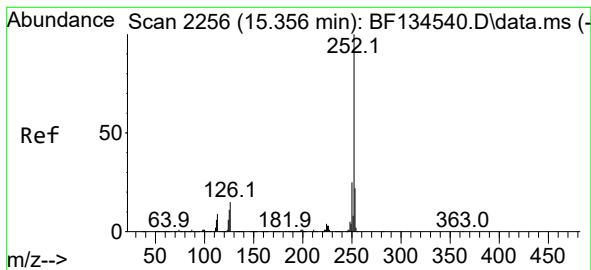
Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 14.8 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 3.127 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134617.D

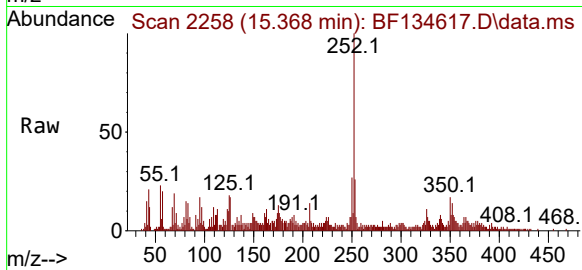
Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

RPTP-14-CS-14



Tgt Ion:252 Resp: 35402

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.4#

125 18.1 6.2 9.4#

