

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134828.D
 Acq On : 17 Aug 2023 21:05
 Operator : CG\JU
 Sample : 04042-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-376

Quant Time: Aug 18 01:08:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

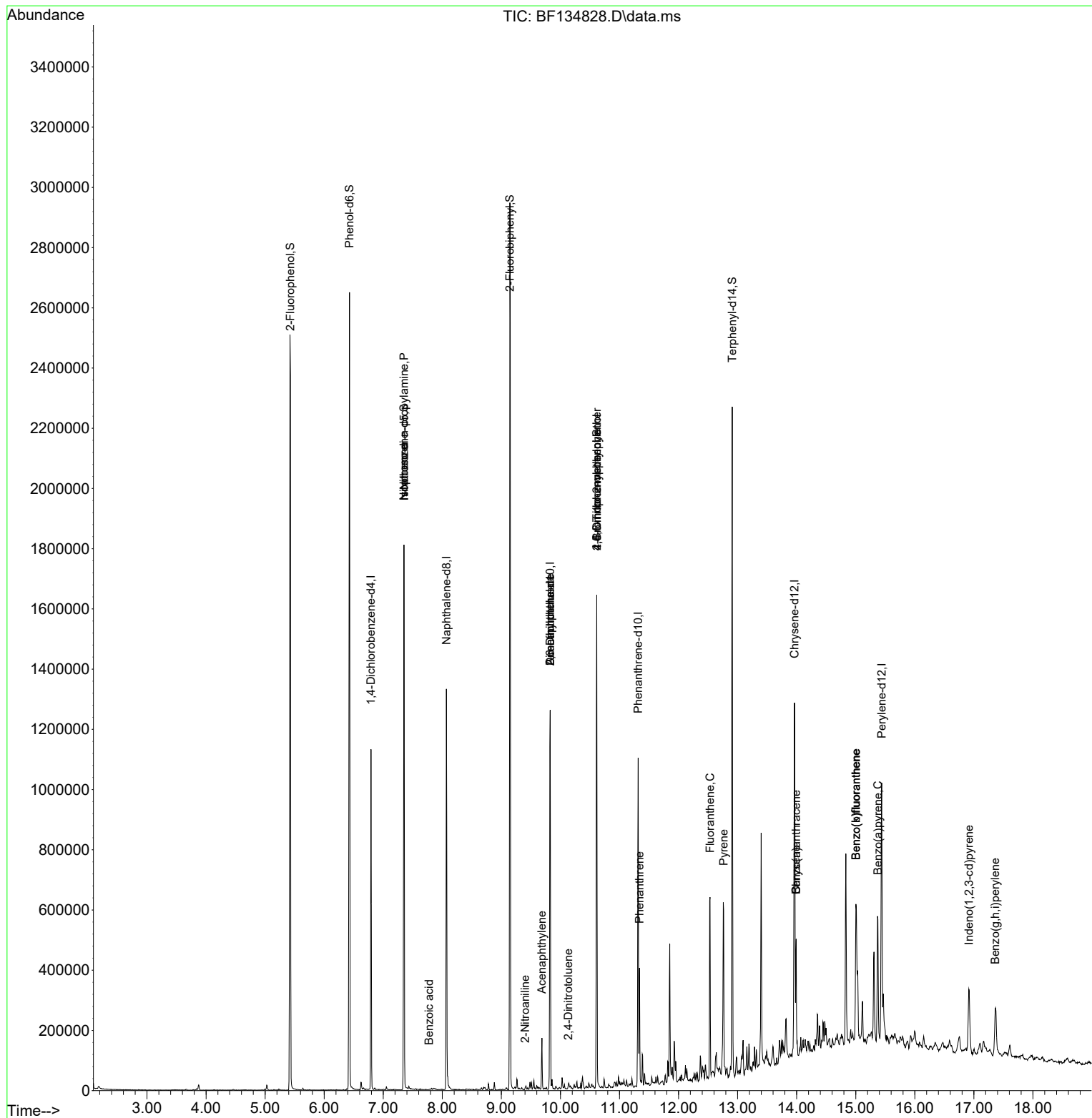
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	144544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	538943	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	252065	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	373345	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	312895	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	399161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	718956	75.609	ng	0.00
7) Phenol-d6	6.428	99	903835	74.358	ng	-0.01
23) Nitrobenzene-d5	7.351	82	538454	62.436	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	194707	75.774	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	922696	60.864	ng	-0.02
79) Terphenyl-d14	12.910	244	737147	41.531	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.322	77	122	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.351	70	71391	9.810	ng	# 74
25) Isophorone	7.351	82	533127	28.343	ng	# 65
32) Benzoic acid	7.775	122	321	7.916	ng	95
48) 2-Nitroaniline	9.404	65	65	3.179	ng	# 8
49) Acenaphthylene	9.686	152	62456	2.705	ng	100
50) Dimethylphthalate	9.827	163	53616	3.121	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	32898	11.356	ng	# 17
57) 2,4-Dinitrotoluene	10.133	165	1079	3.090	ng	# 40
65) 4,6-Dinitro-2-methylph...	10.616	198	418	8.926	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12991	3.179	ng	# 1
71) Phenanthrene	11.339	178	138516	6.985	ng	98
75) Fluoranthene	12.533	202	247963	11.837	ng	97
78) Pyrene	12.763	202	243925	9.009	ng	98
81) Benzo(a)anthracene	13.992	228	162133	7.247	ng	97
83) Chrysene	13.992	228	162133	7.438	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	145616	6.203	ng	# 95
88) Benzo(b)fluoranthene	15.004	252	343582	14.113	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	343582	14.168	ng	# 97
90) Benzo(a)pyrene	15.374	252	205392	9.049	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	137816	7.121	ng	# 91

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

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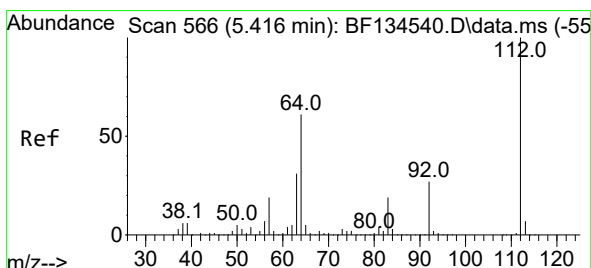
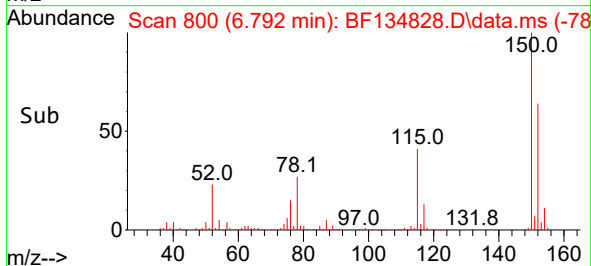
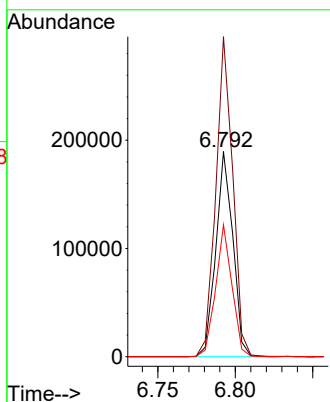
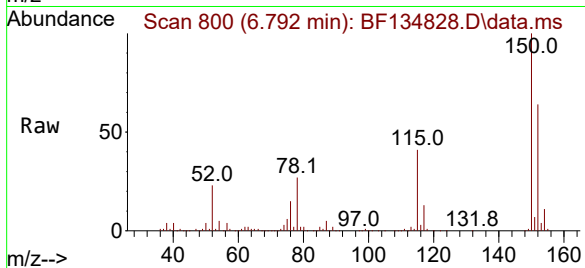




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

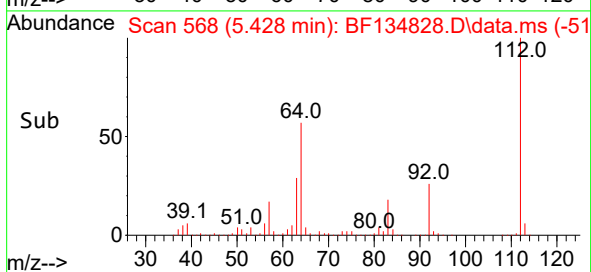
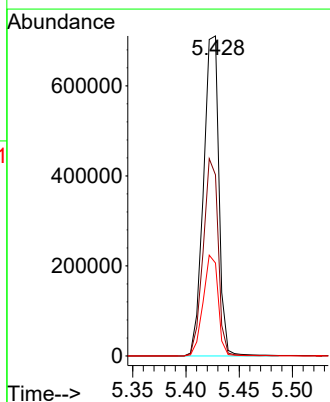
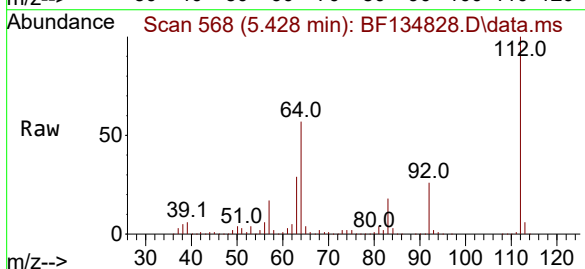
Instrument :
BNA_F
ClientSampleId :
TP-376

Tgt Ion:152 Resp: 144544
Ion Ratio Lower Upper
152 100
150 156.0 128.3 192.5
115 64.3 52.4 78.6



#5
2-Fluorophenol
Concen: 75.609 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:112 Resp: 718956
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 29.1 25.4 38.0

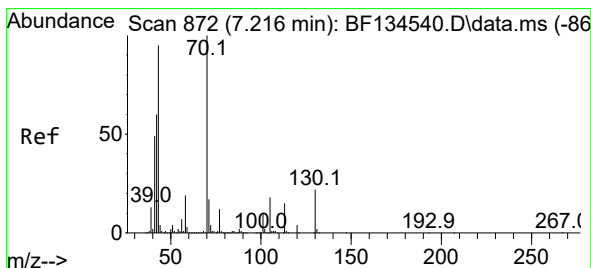
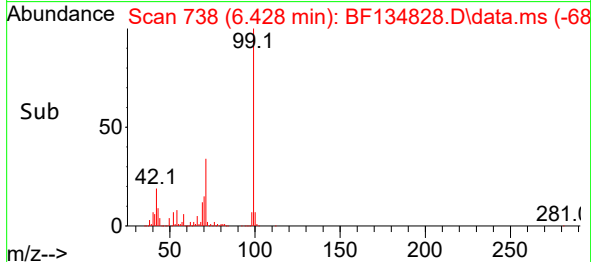
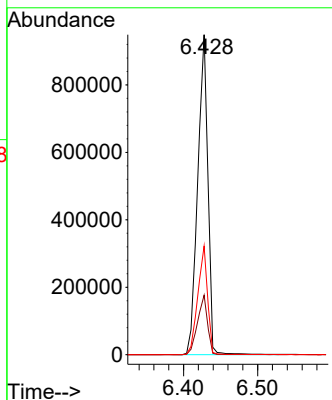
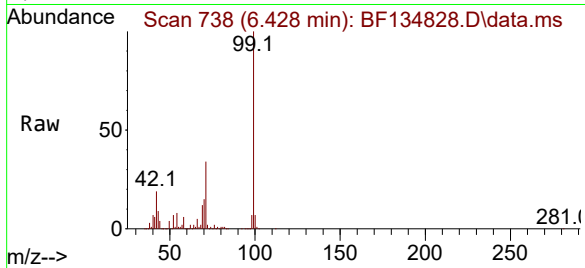




#7
Phenol-d6
Concen: 74.358 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

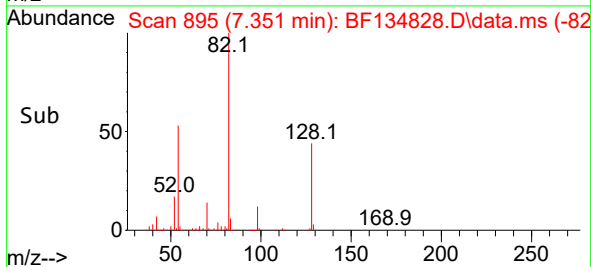
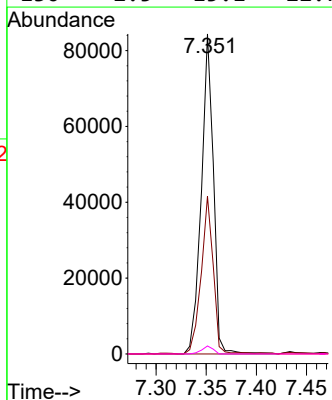
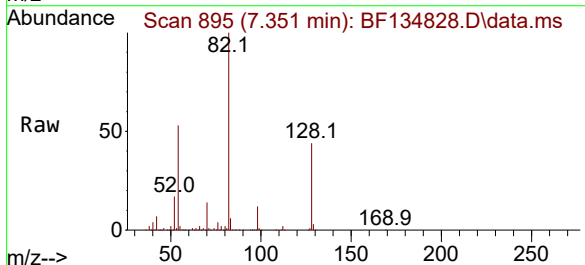
Instrument :
BNA_F
ClientSampleId :
TP-376

Tgt Ion: 99 Resp: 903835
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 34.0 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.810 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion: 70 Resp: 71391
Ion Ratio Lower Upper
70 100
42 49.3 54.7 82.1#
101 0.0 8.2 12.2#
130 2.5 15.1 22.7#

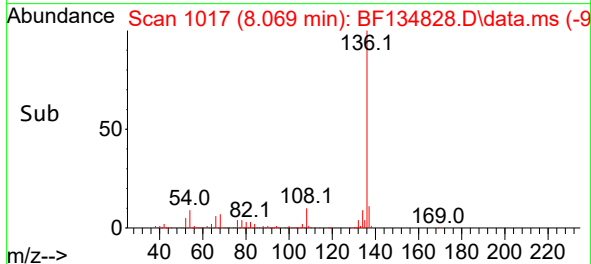
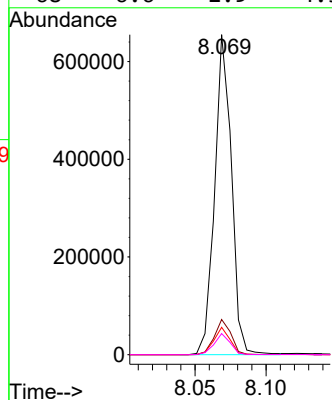
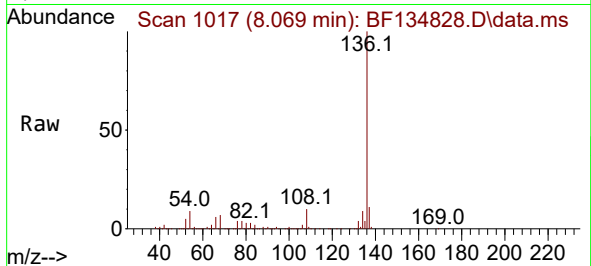




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

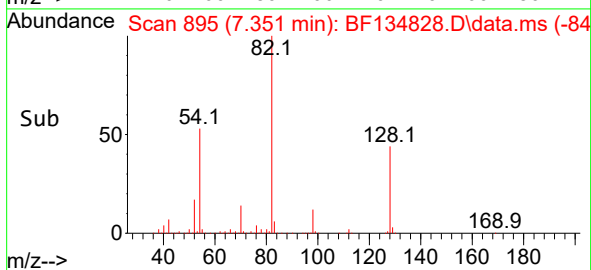
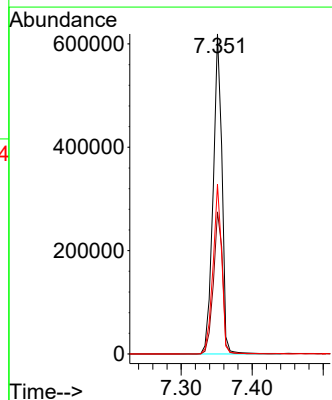
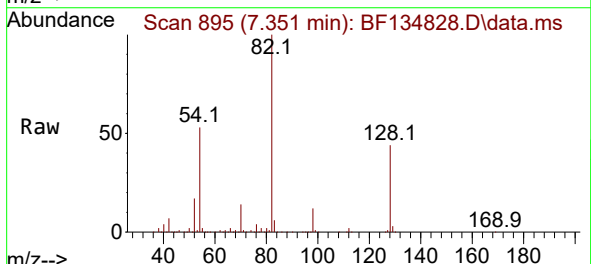
Instrument :
BNA_F
ClientSampleId :
TP-376

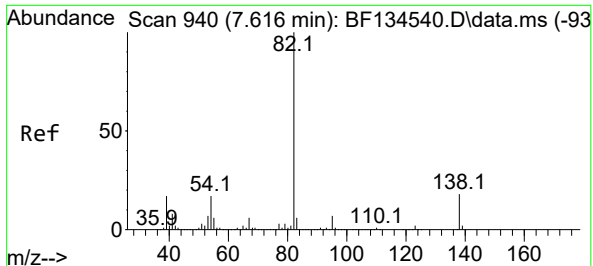
Tgt Ion:136 Resp: 538943
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.6 5.2 7.8#
68 6.6 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 62.436 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion: 82 Resp: 538454
Ion Ratio Lower Upper
82 100
128 44.4 34.3 51.5
54 53.0 43.8 65.6

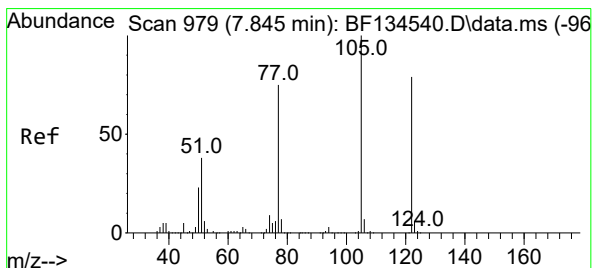
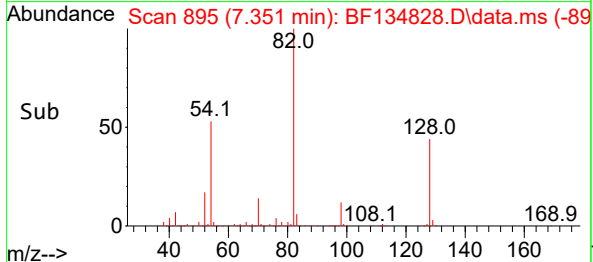
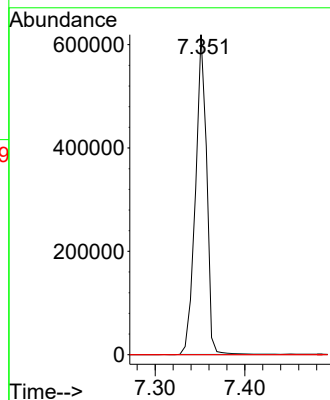
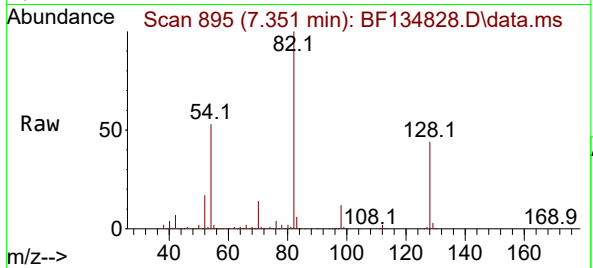




#25
Isophorone
Concen: 28.343 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

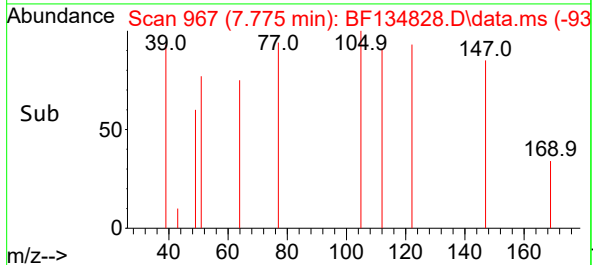
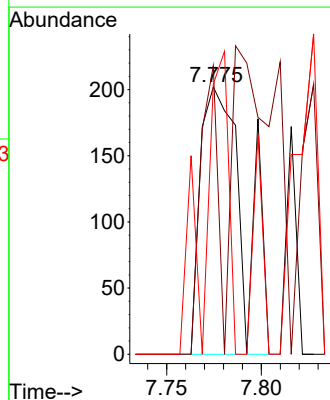
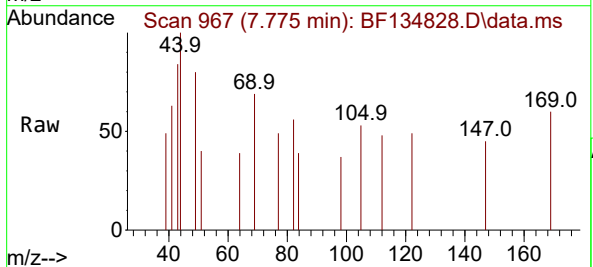
Instrument :
BNA_F
ClientSampleId :
TP-376

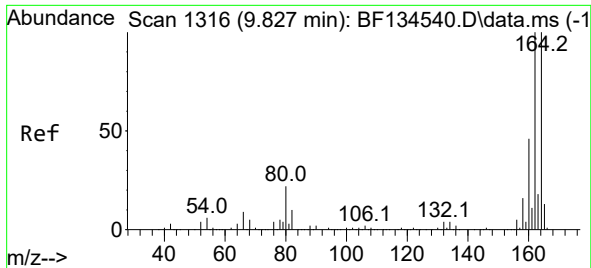
Tgt Ion: 82 Resp: 533127
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.916 ng
RT: 7.775 min Scan# 967
Delta R.T. -0.088 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:122 Resp: 321
Ion Ratio Lower Upper
122 100
105 107.9 87.5 127.5
77 101.0 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134828.D

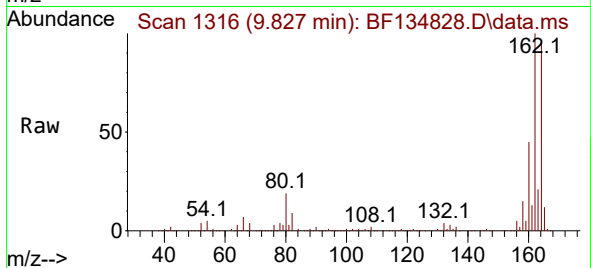
Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376



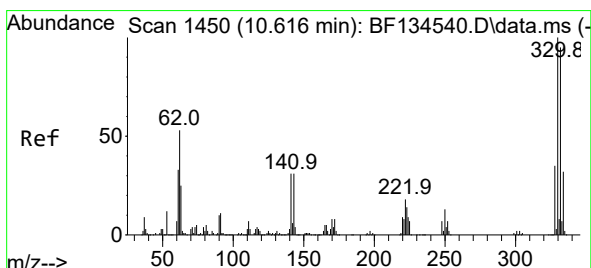
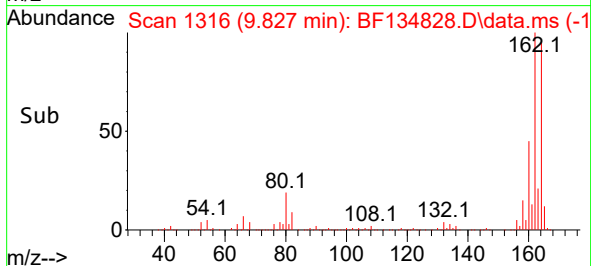
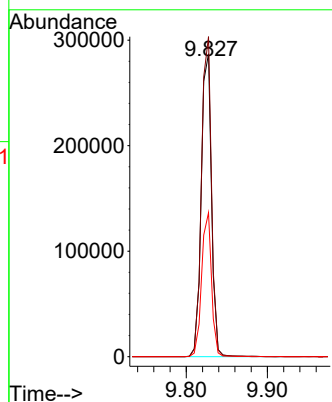
Tgt Ion:164 Resp: 252065

Ion Ratio Lower Upper

164 100

162 105.6 82.6 123.8

160 47.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 75.774 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

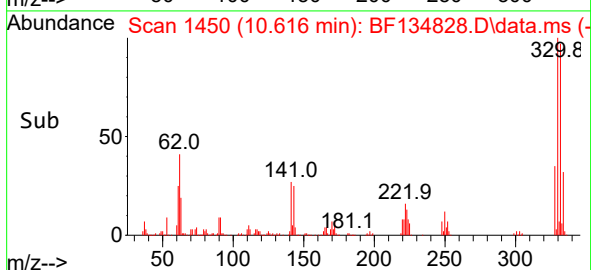
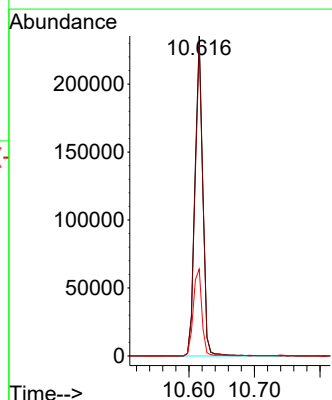
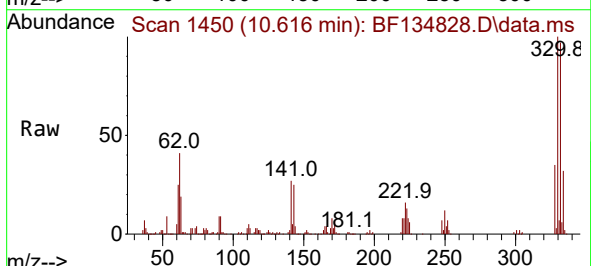
Tgt Ion:330 Resp: 194707

Ion Ratio Lower Upper

330 100

332 96.4 78.8 118.2

141 29.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 60.864 ng

RT: 9.145 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

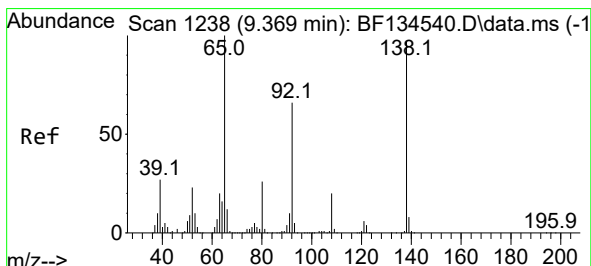
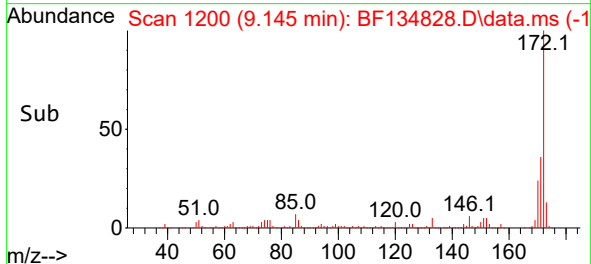
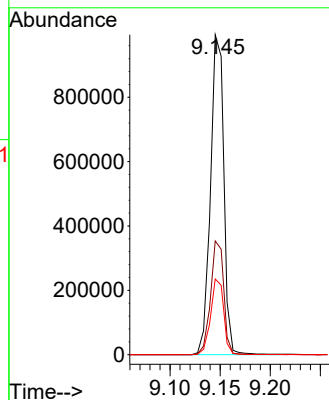
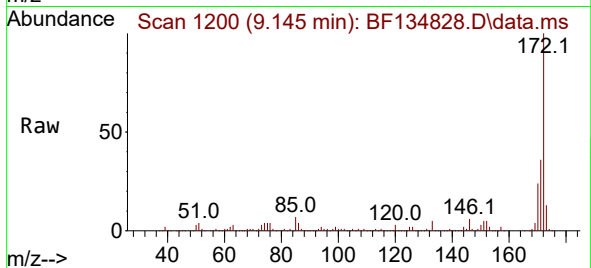
Tgt Ion:172 Resp: 922696

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 3.179 ng

RT: 9.404 min Scan# 1244

Delta R.T. 0.023 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

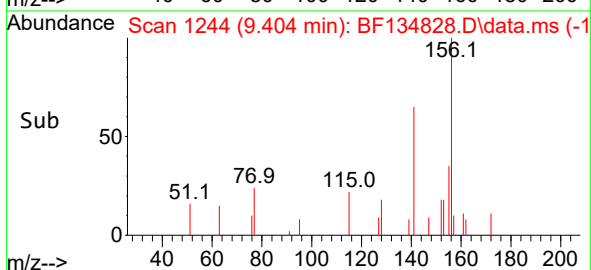
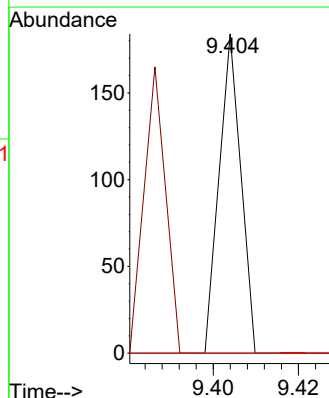
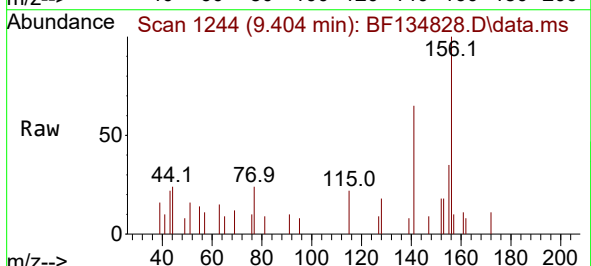
Tgt Ion: 65 Resp: 65

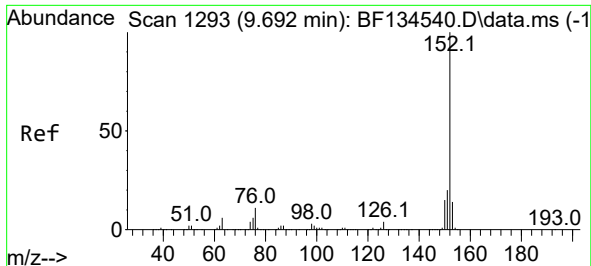
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

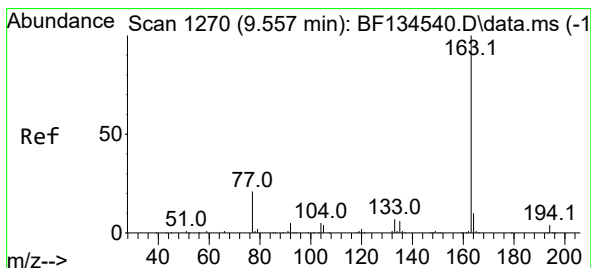
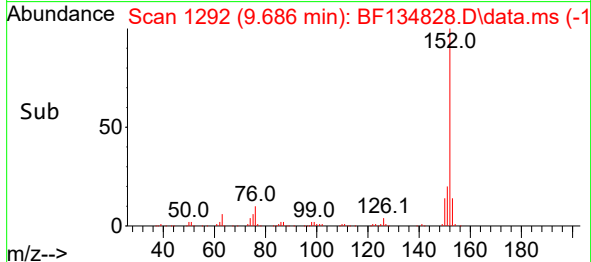
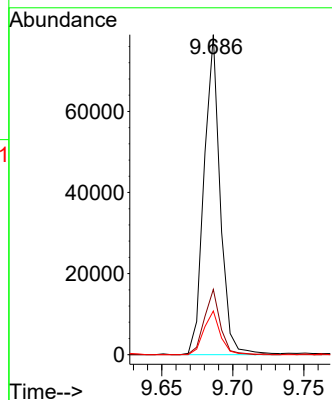
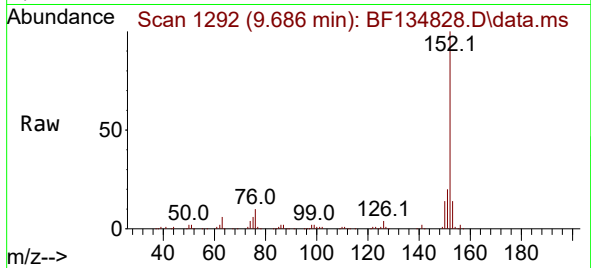




#49
Acenaphthylene
Concen: 2.705 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

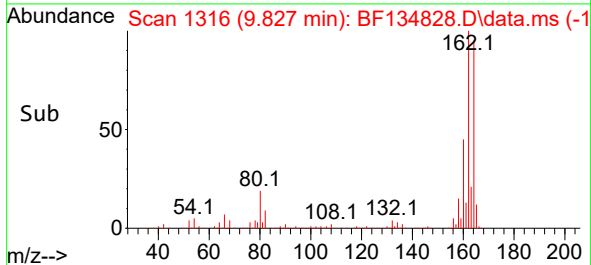
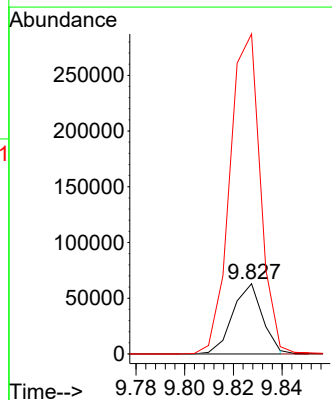
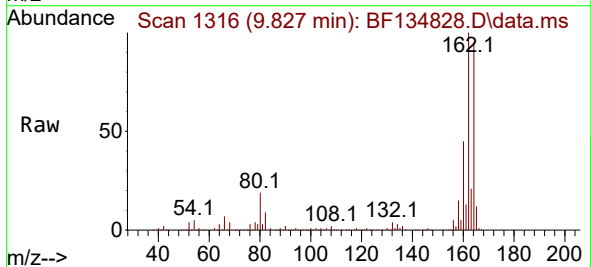
Instrument :
BNA_F
ClientSampleId :
TP-376

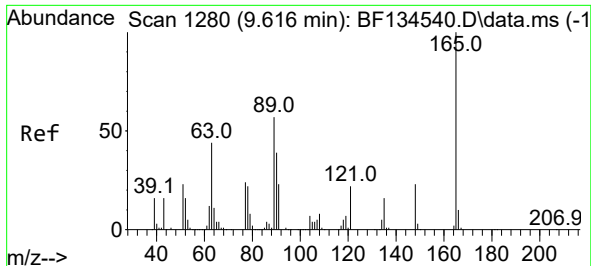
Tgt Ion:152 Resp: 62456
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.7 10.9 16.3



#50
Dimethylphthalate
Concen: 3.121 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:163 Resp: 53616
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 455.8 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 11.356 ng

RT: 9.827 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

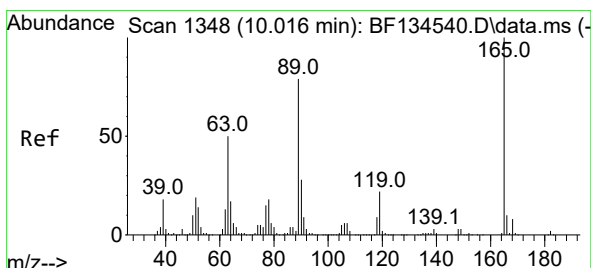
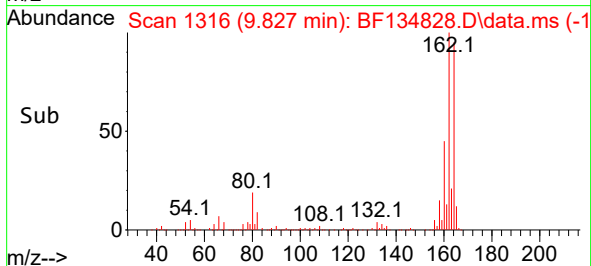
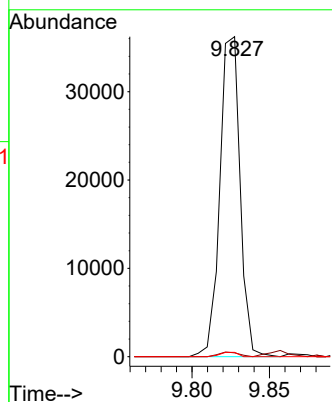
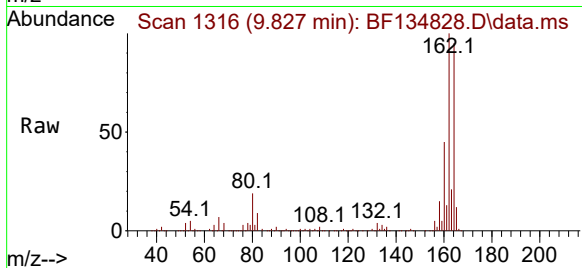
Tgt Ion:165 Resp: 32898

Ion Ratio Lower Upper

165 100

63 1.2 57.8 86.6#

89 1.4 51.8 77.8#



#57

2,4-Dinitrotoluene

Concen: 3.090 ng

RT: 10.133 min Scan# 1368

Delta R.T. 0.106 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Tgt Ion:165 Resp: 1079

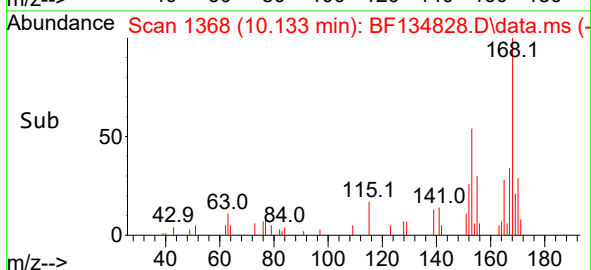
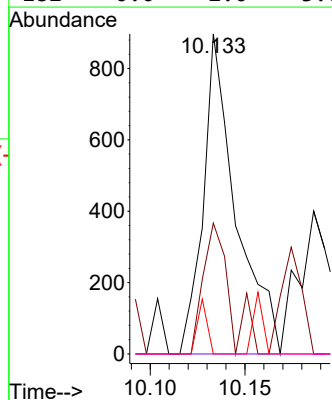
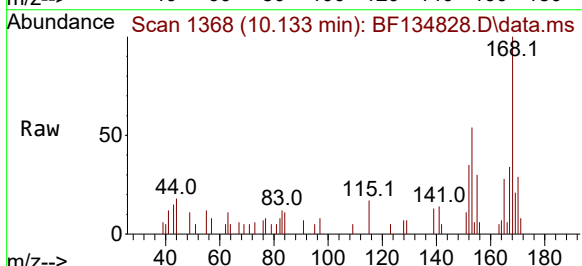
Ion Ratio Lower Upper

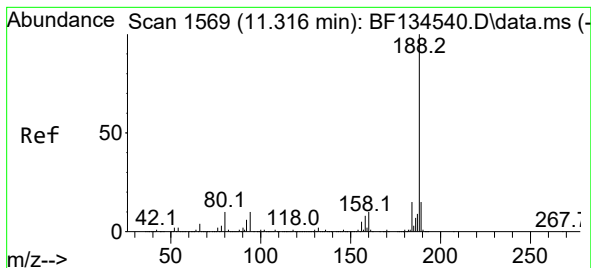
165 100

63 40.9 48.9 73.3#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

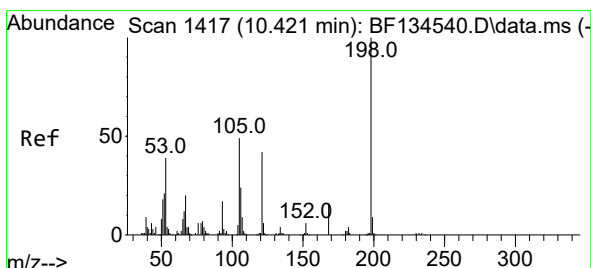
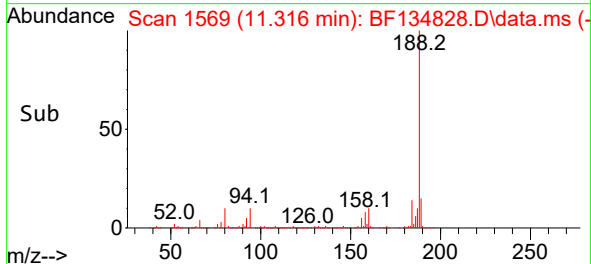
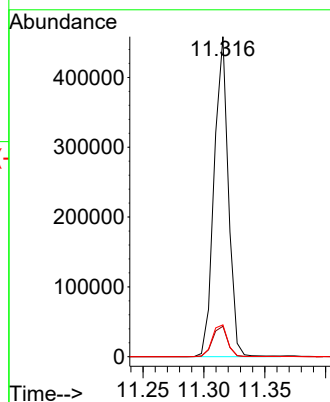
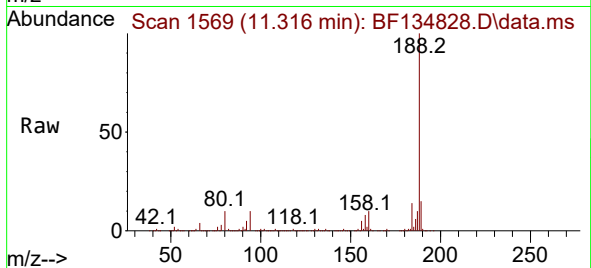
Tgt Ion:188 Resp: 373345

Ion Ratio Lower Upper

188 100

94 9.5 5.1 7.7#

80 9.9 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.926 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.176 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

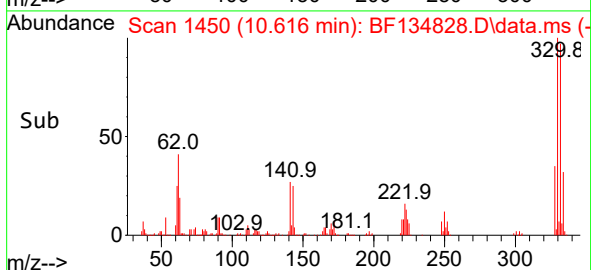
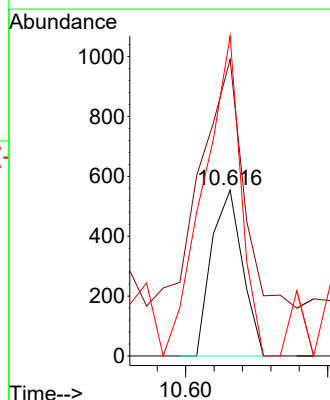
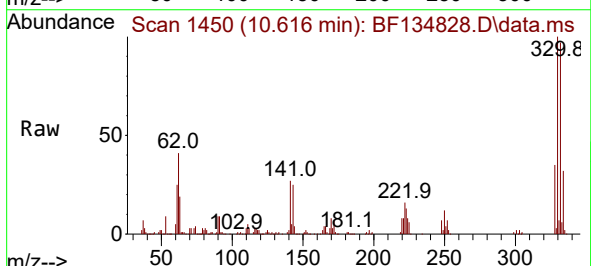
Tgt Ion:198 Resp: 418

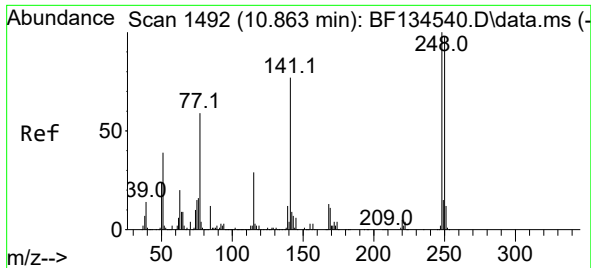
Ion Ratio Lower Upper

198 100

51 178.9 38.6 78.6#

105 193.0 27.9 67.9#

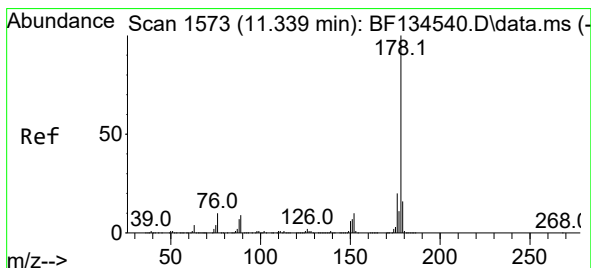
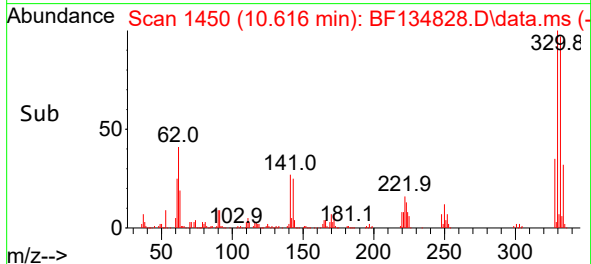
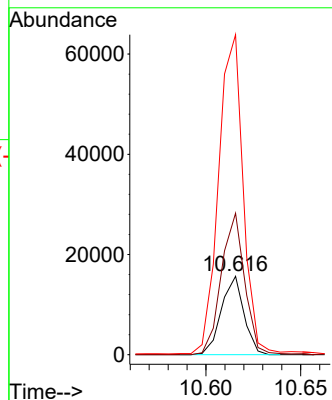
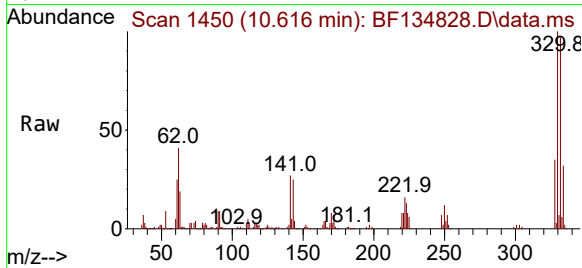




#67
4-Bromophenyl-phenylether
Concen: 3.179 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

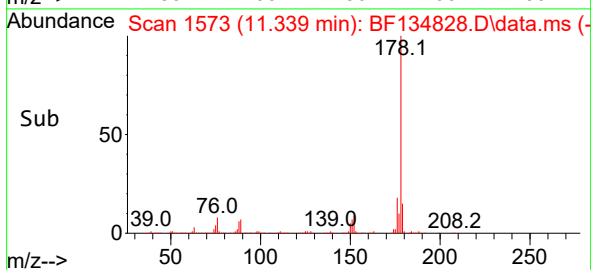
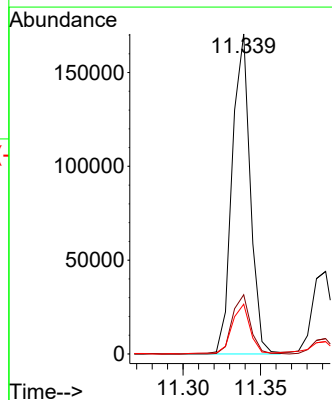
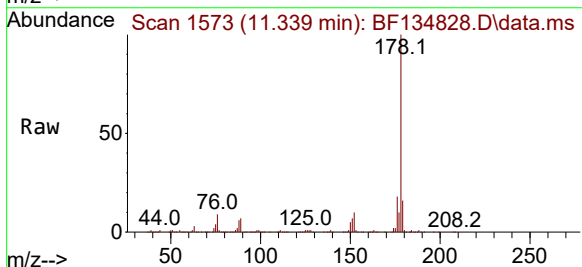
Instrument :
BNA_F
ClientSampleId :
TP-376

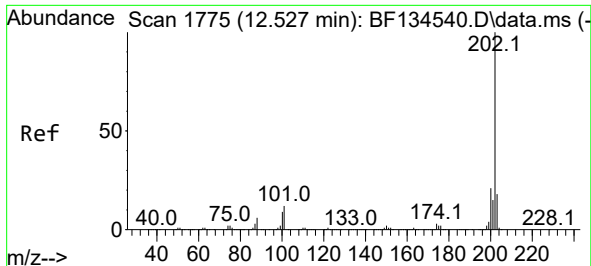
Tgt Ion:248 Resp: 12991
Ion Ratio Lower Upper
248 100
250 180.4 79.6 119.4#
141 407.9 59.6 89.4#



#71
Phenanthrene
Concen: 6.985 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:178 Resp: 138516
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.5 12.7 19.1

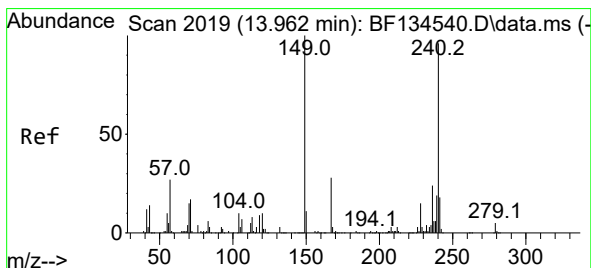
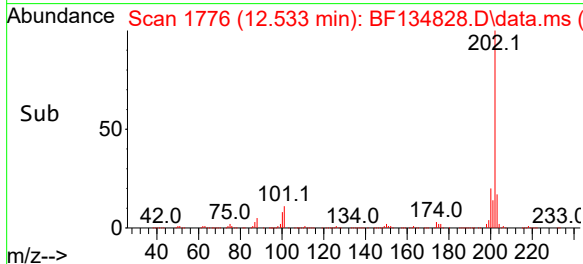
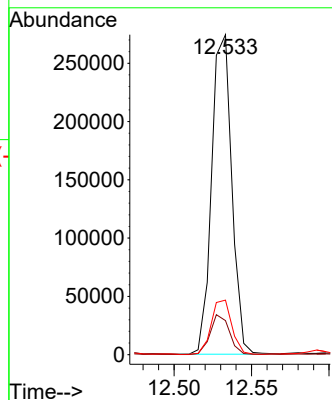
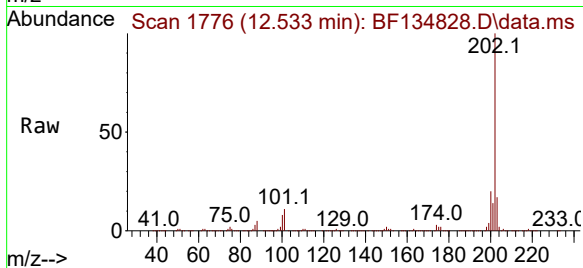




#75
Fluoranthene
Concen: 11.837 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

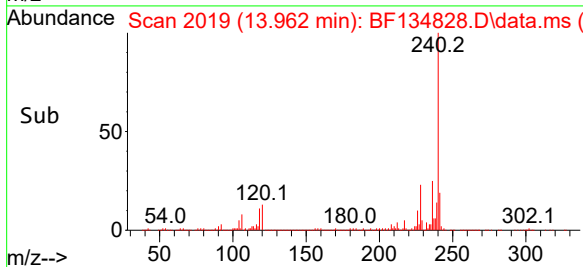
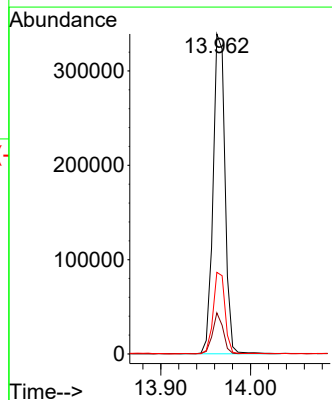
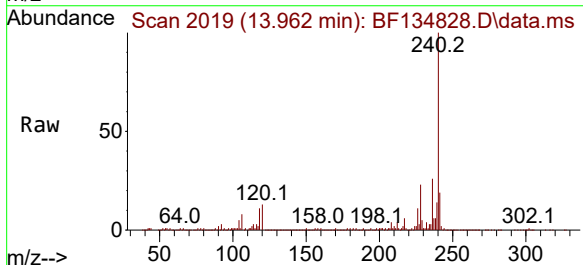
Instrument :
BNA_F
ClientSampleId :
TP-376

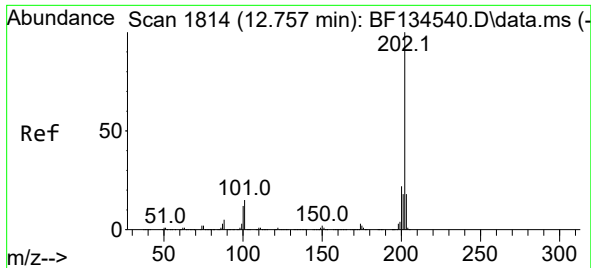
Tgt Ion:202 Resp: 247963
Ion Ratio Lower Upper
202 100
101 10.6 0.0 28.5
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:240 Resp: 312895
Ion Ratio Lower Upper
240 100
120 12.9 6.6 10.0#
236 25.5 20.2 30.2

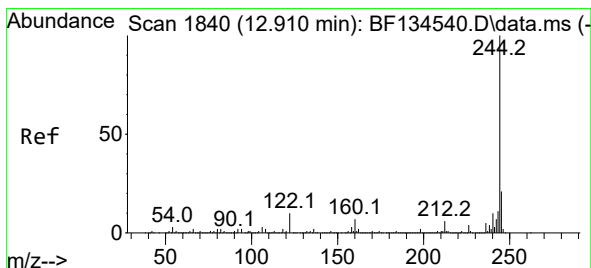
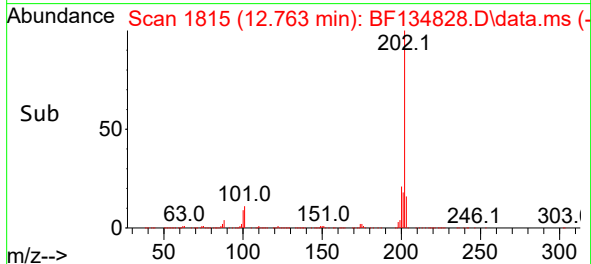
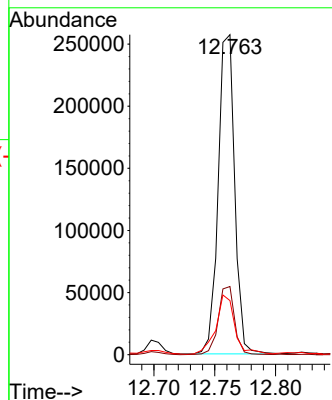
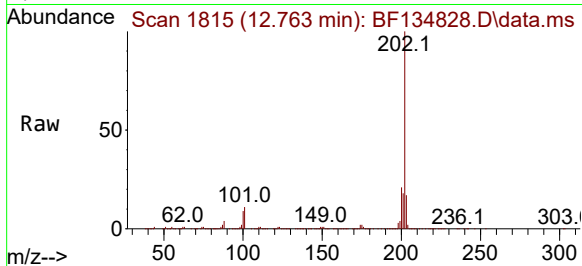




#78
 Pyrene
 Concen: 9.009 ng
 RT: 12.763 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF134828.D
 Acq: 17 Aug 2023 21:05

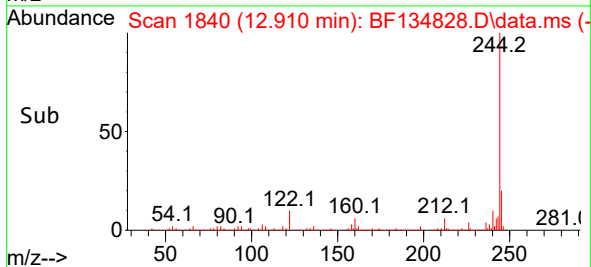
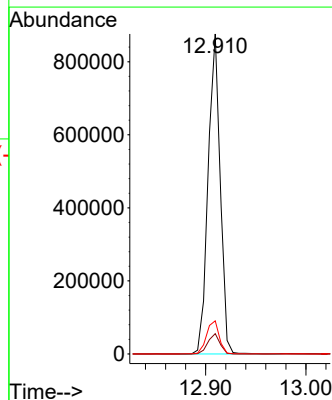
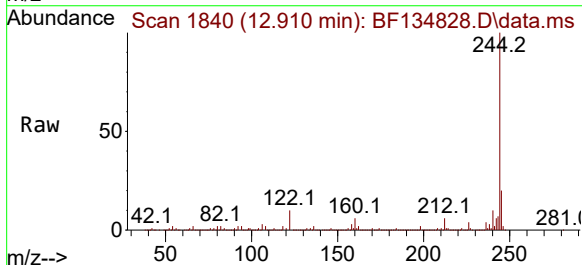
Instrument :
 BNA_F
 ClientSampleId :
 TP-376

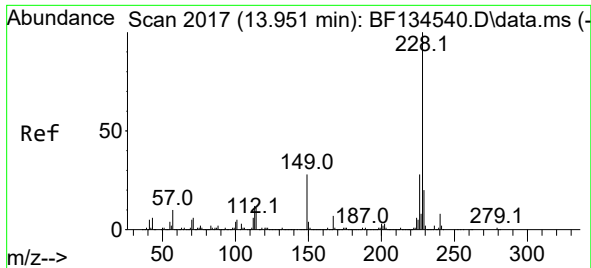
Tgt Ion:202 Resp: 243925
 Ion Ratio Lower Upper
 202 100
 200 21.3 15.8 23.8
 203 16.9 13.5 20.3



#79
 Terphenyl-d14
 Concen: 41.531 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134828.D
 Acq: 17 Aug 2023 21:05

Tgt Ion:244 Resp: 737147
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 8.0 12.0

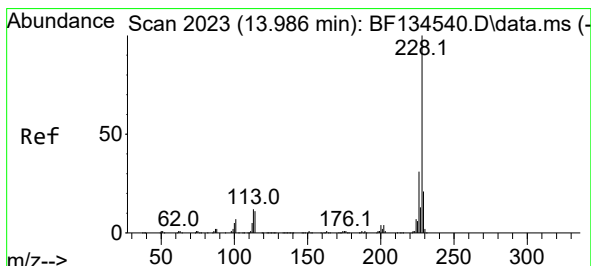
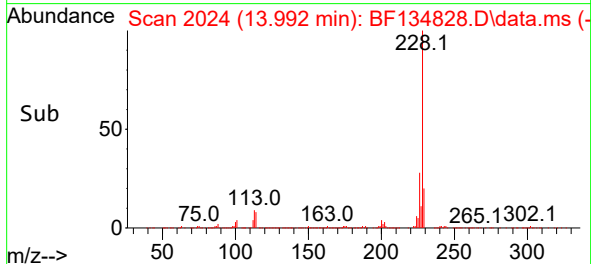
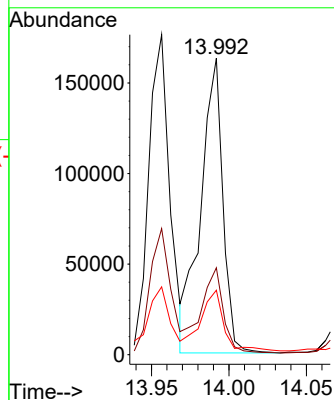
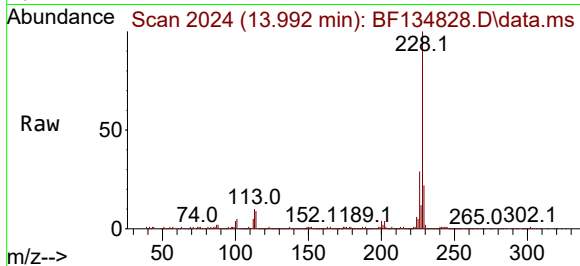




#81
Benzo(a)anthracene
Concen: 7.247 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.029 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

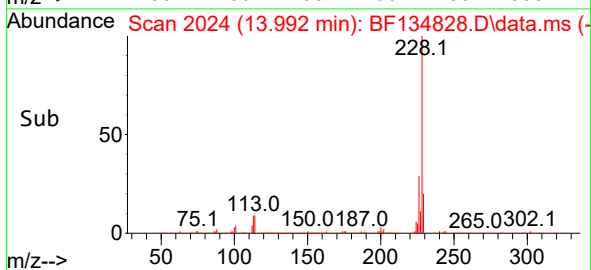
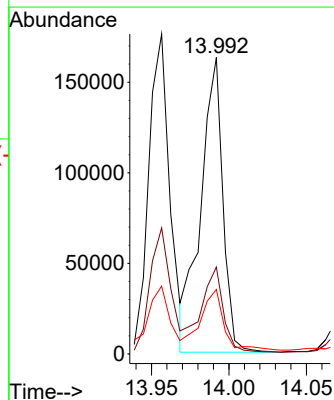
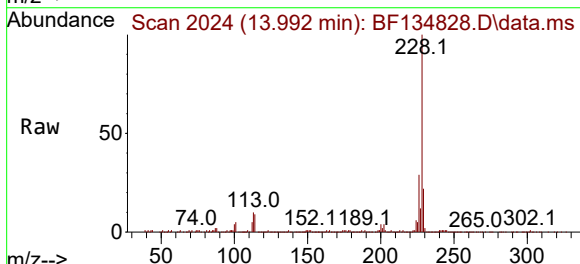
Instrument :
BNA_F
ClientSampleId :
TP-376

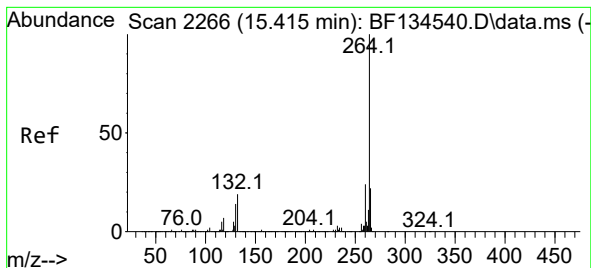
Tgt Ion:228 Resp: 162133
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 21.7 15.8 23.6



#83
Chrysene
Concen: 7.438 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:228 Resp: 162133
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

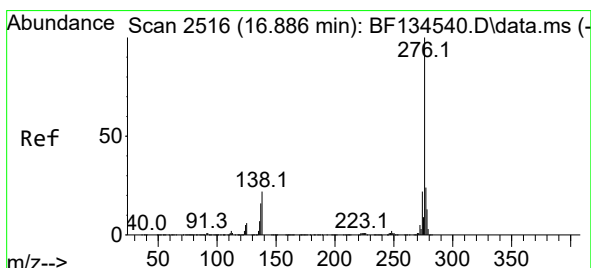
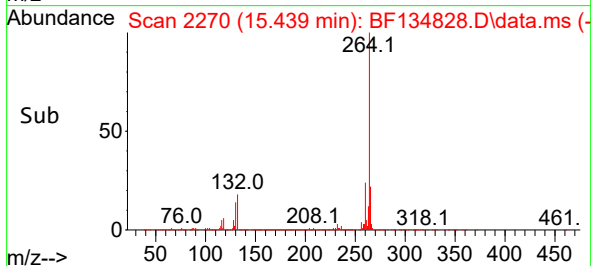
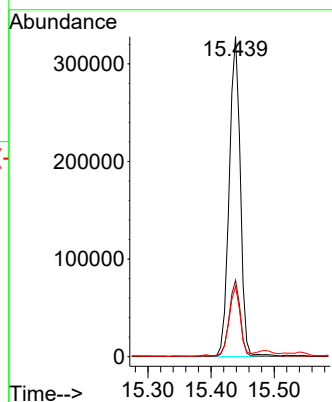
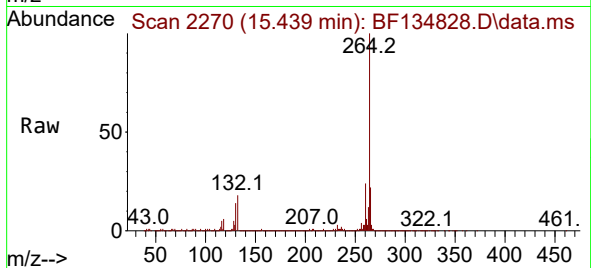
Tgt Ion:264 Resp: 399161

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 21.9 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.203 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

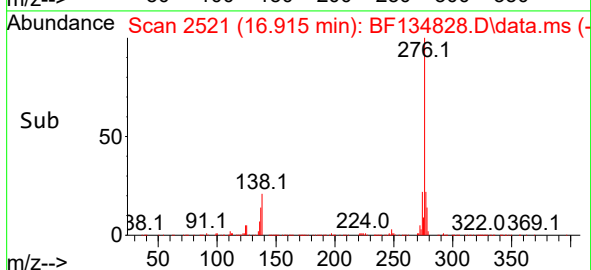
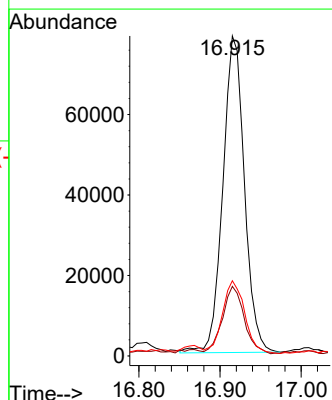
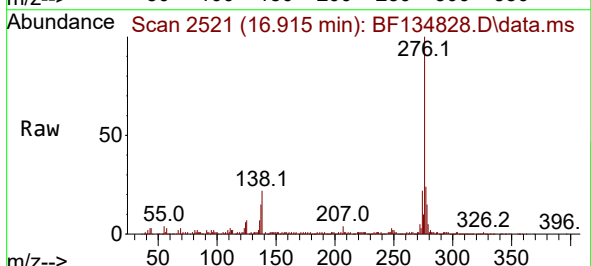
Tgt Ion:276 Resp: 145616

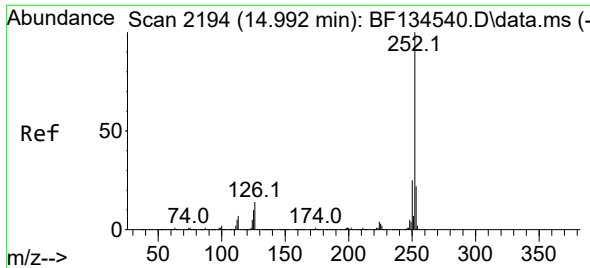
Ion Ratio Lower Upper

276 100

138 21.5 14.2 21.4#

277 23.6 19.9 29.9

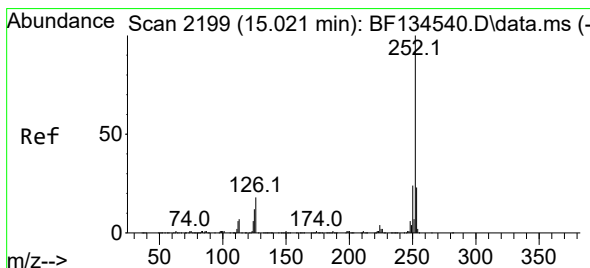
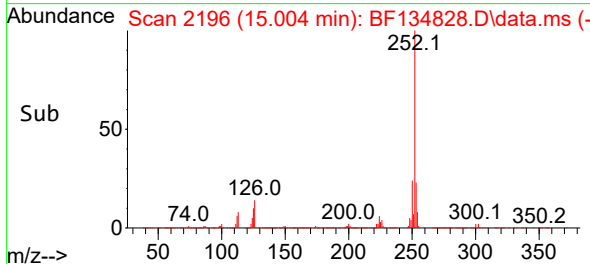
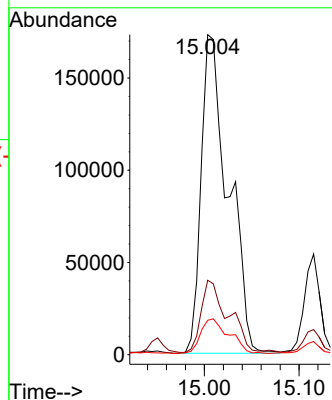
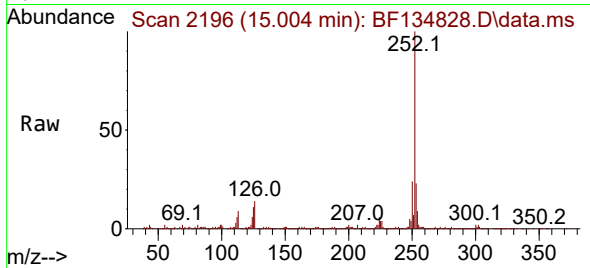




#88
Benzo(b)fluoranthene
Concen: 14.113 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

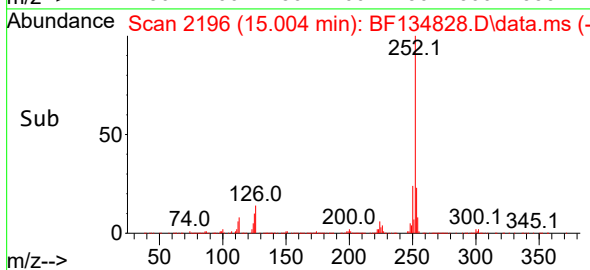
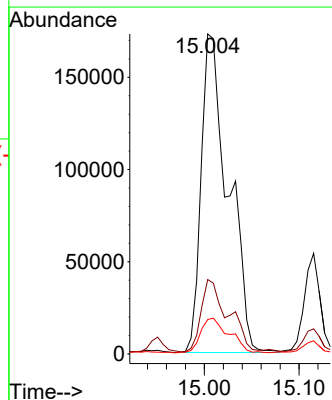
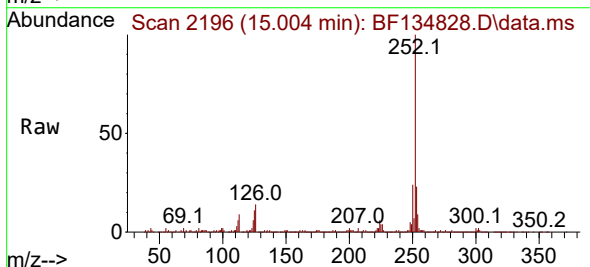
Instrument :
BNA_F
ClientSampleId :
TP-376

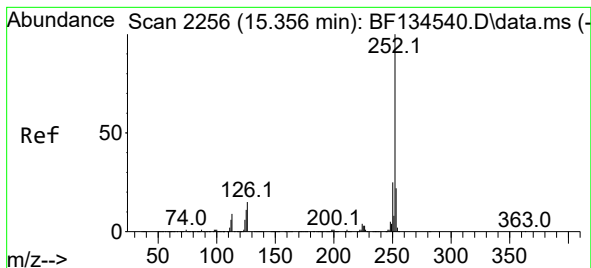
Tgt Ion:252 Resp: 343582
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 10.7 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 14.168 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134828.D
Acq: 17 Aug 2023 21:05

Tgt Ion:252 Resp: 343582
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 10.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 9.049 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Instrument :

BNA_F

ClientSampleId :

TP-376

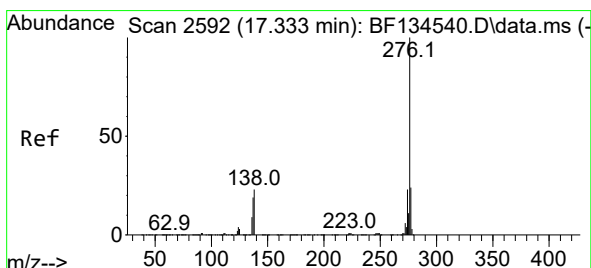
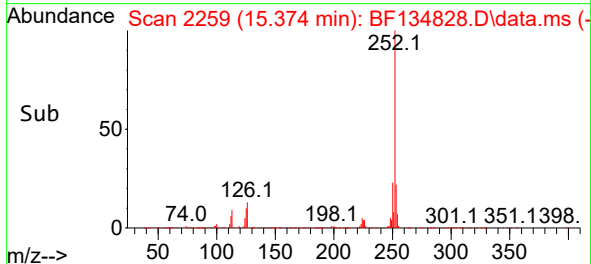
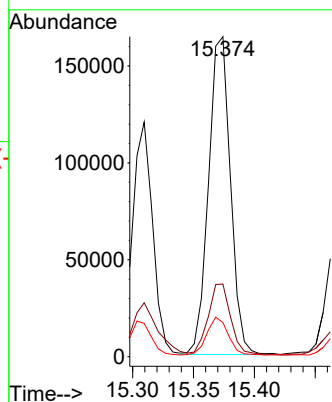
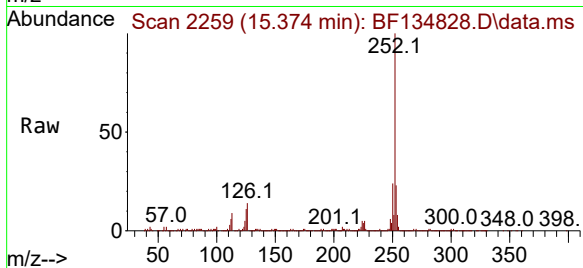
Tgt Ion:252 Resp: 205392

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 10.7 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 7.121 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.012 min

Lab File: BF134828.D

Acq: 17 Aug 2023 21:05

Tgt Ion:276 Resp: 137816

Ion Ratio Lower Upper

276 100

277 22.3 19.0 28.6

138 22.5 12.2 18.2#

