

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134645.D
 Acq On : 07 Aug 2023 10:21
 Operator : CG\JU
 Sample : 03891-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Aug 08 01:19:26 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

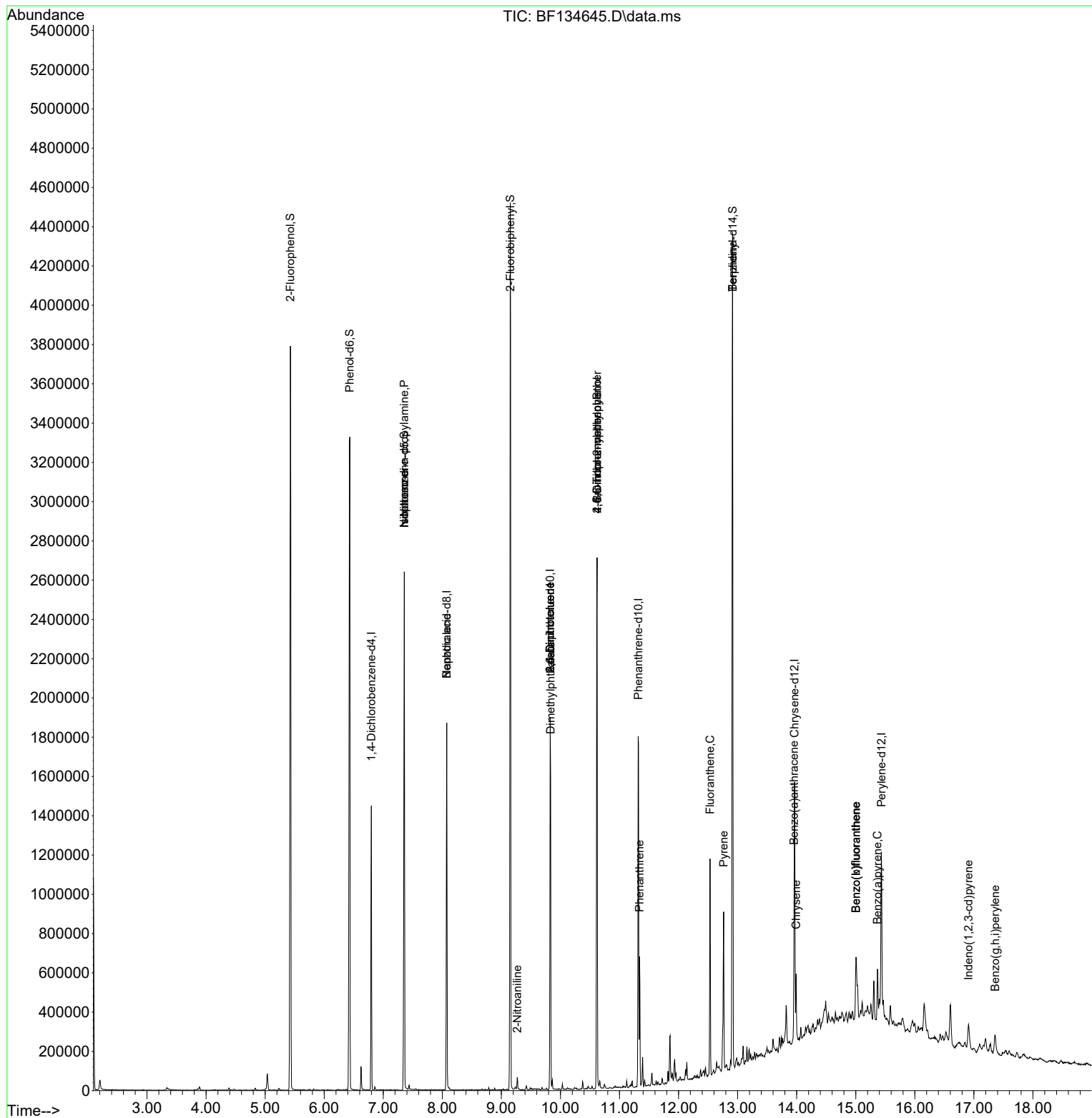
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	192016	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	759890	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	373420	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	671299	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	391190	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	422803	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1068905	84.620	ng	0.00
7) Phenol-d6	6.434	99	1351538	83.700	ng	0.00
23) Nitrobenzene-d5	7.357	82	798558	65.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	337282	88.603	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1438769	64.063	ng	-0.01
79) Terphenyl-d14	12.916	244	1526351	68.784	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	365	Below Cal		Qvalue 87
19) n-Nitroso-di-n-propyla...	7.357	70	110263	11.405	ng	# 73
25) Isophorone	7.357	82	793084	29.903	ng	# 65
32) Benzoic acid	8.075	122	152	7.884	ng	# 1
48) 2-Nitroaniline	9.269	65	700	3.262	ng	# 8
50) Dimethylphthalate	9.833	163	78235	3.074	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	48515	11.315	ng	# 17
57) 2,4-Dinitrotoluene	9.827	165	48515	10.096	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	681	8.904	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	21090	2.870	ng	# 1
71) Phenanthrene	11.339	178	230224	6.457	ng	98
75) Fluoranthene	12.533	202	394854	10.483	ng	97
77) Benzidine	12.916	184	19024	2.240	ng	# 92
78) Pyrene	12.763	202	314144	9.280	ng	98
81) Benzo(a)anthracene	13.957	228	132983	4.754	ng	99
83) Chrysene	13.992	228	133556	4.901	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	85197	3.426	ng	# 94
88) Benzo(b)fluoranthene	15.004	252	223088	8.651	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	223088	8.685	ng	# 94
90) Benzo(a)pyrene	15.368	252	119909	4.987	ng	# 94
92) Benzo(g,h,i)perylene	17.362	276	89145	4.349	ng	# 94

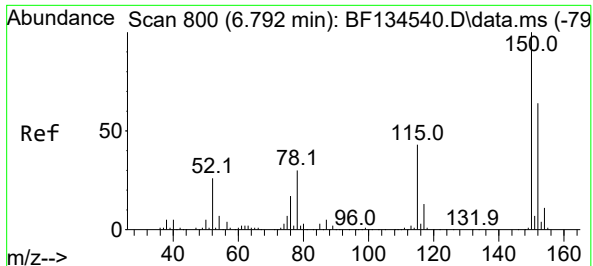
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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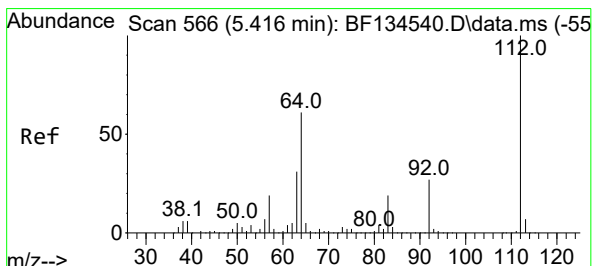
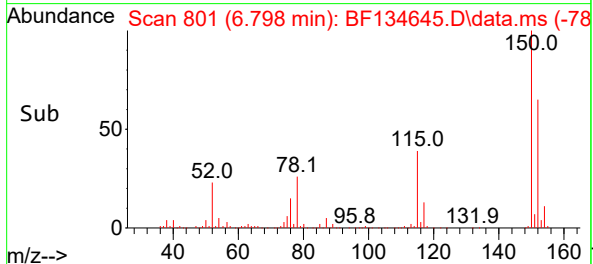
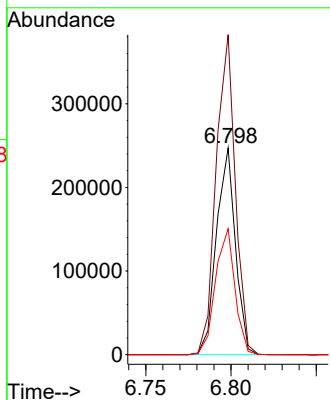
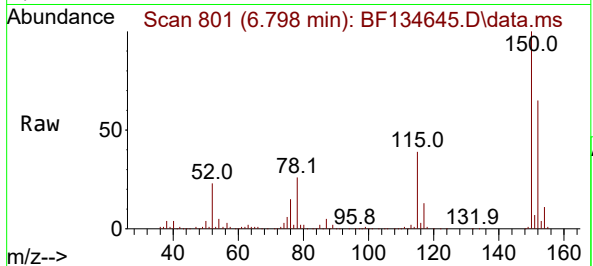




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

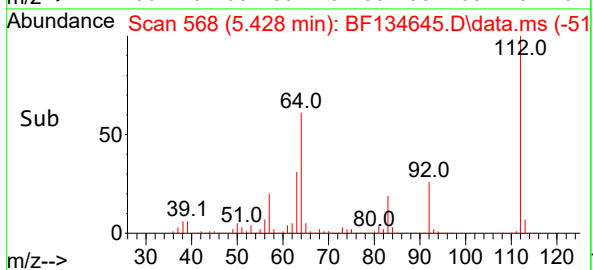
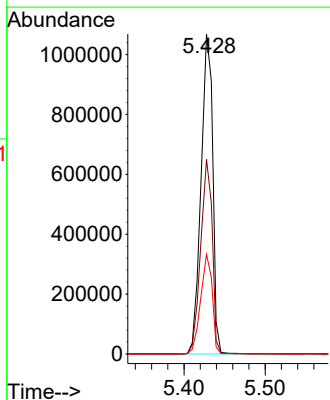
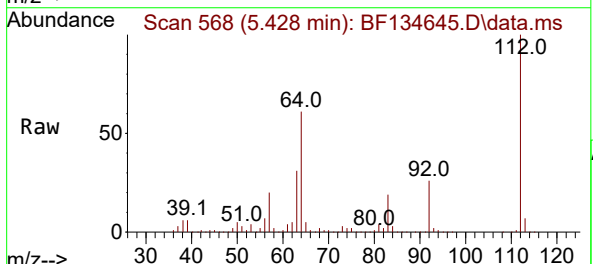
Instrument :
BNA_F
ClientSampleId :
TP-2

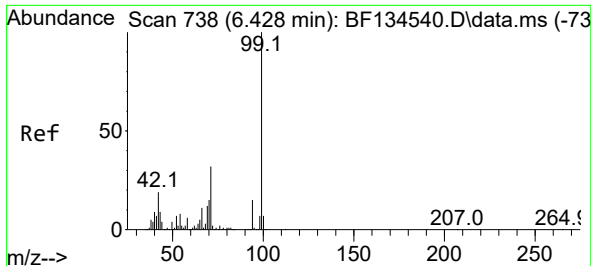
Tgt Ion:152 Resp: 192016
Ion Ratio Lower Upper
152 100
150 154.7 128.3 192.5
115 60.9 52.4 78.6



#5
2-Fluorophenol
Concen: 84.620 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:112 Resp: 1068905
Ion Ratio Lower Upper
112 100
64 60.8 44.9 67.3
63 31.1 25.4 38.0

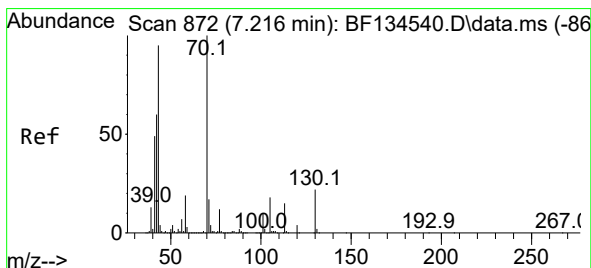
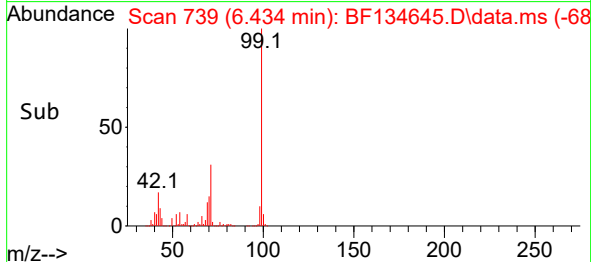
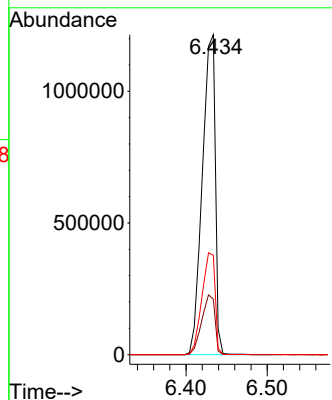
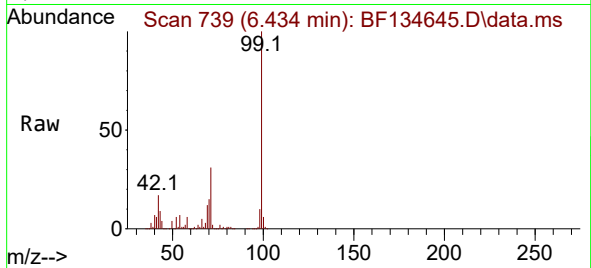




#7
Phenol-d6
Concen: 83.700 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

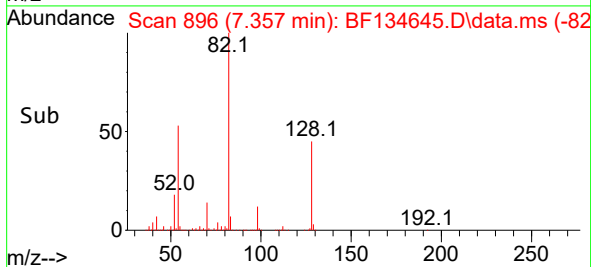
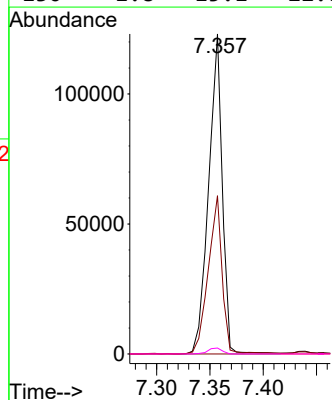
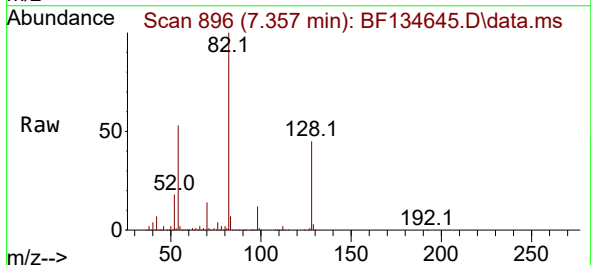
Instrument :
BNA_F
ClientSampleId :
TP-2

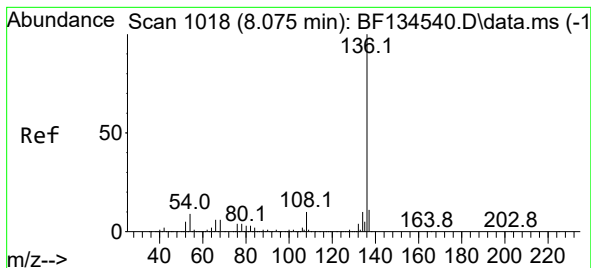
Tgt Ion: 99 Resp: 1351538
Ion Ratio Lower Upper
99 100
42 17.4 18.7 28.1#
71 31.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.405 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion: 70 Resp: 110263
Ion Ratio Lower Upper
70 100
42 49.4 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 15.1 22.7#

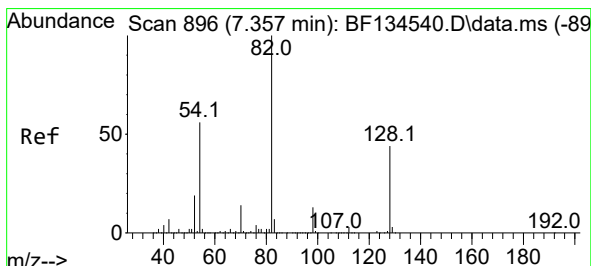
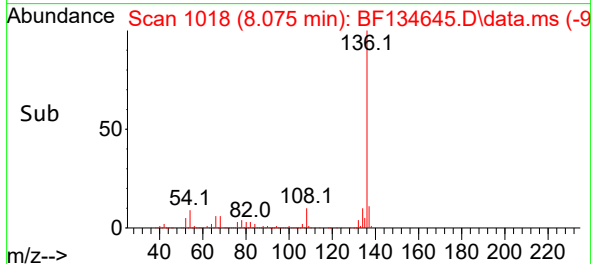
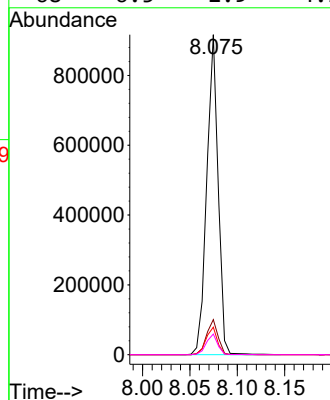
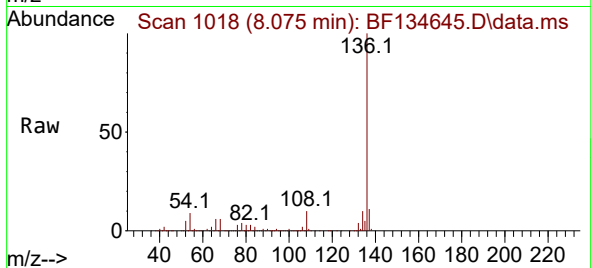




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

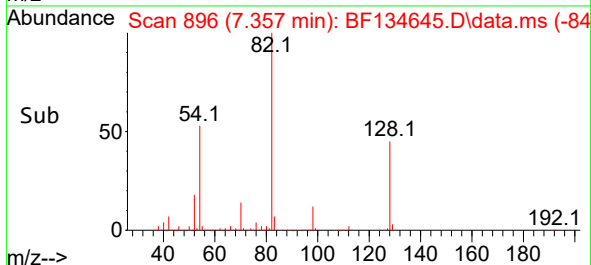
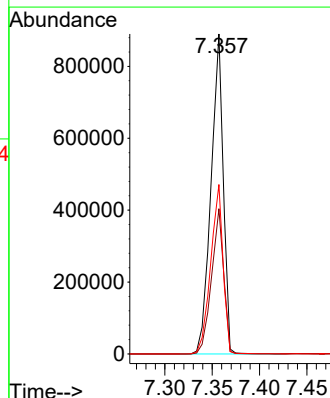
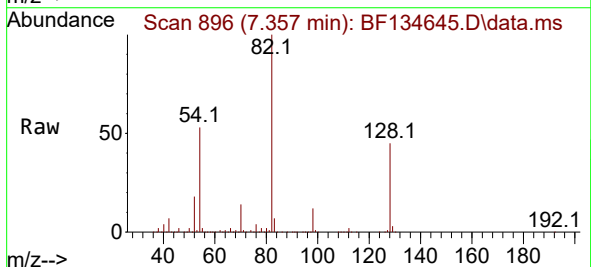
Instrument :
BNA_F
ClientSampleId :
TP-2

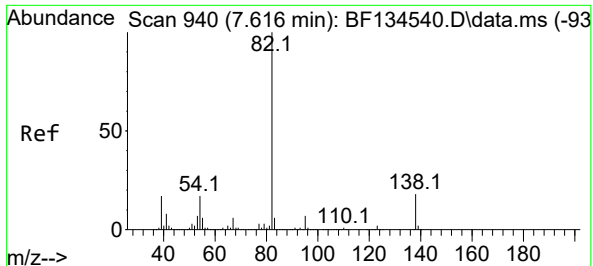
Tgt Ion:136 Resp: 759890
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.6 5.2 7.8#
68 6.5 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 65.673 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion: 82 Resp: 798558
Ion Ratio Lower Upper
82 100
128 45.4 34.3 51.5
54 53.0 43.8 65.6

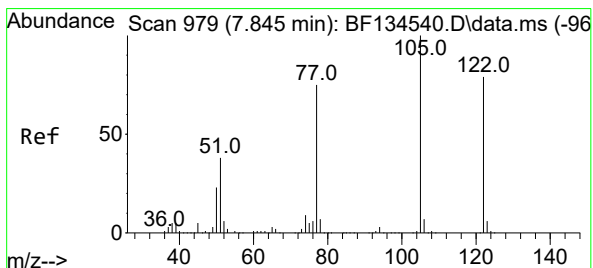
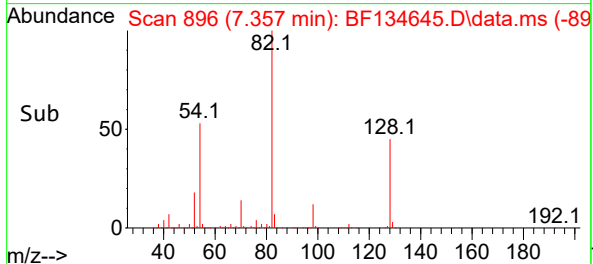
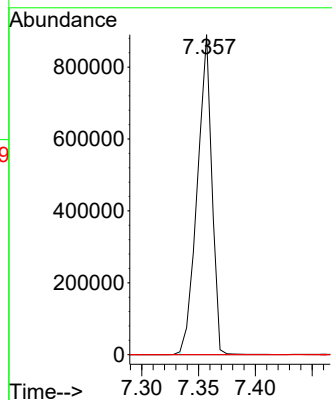
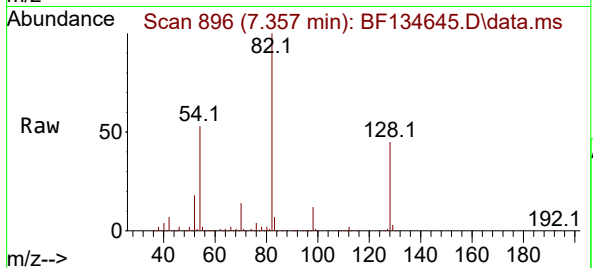




#25
Isophorone
Concen: 29.903 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

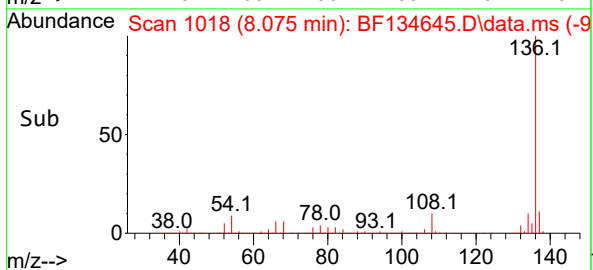
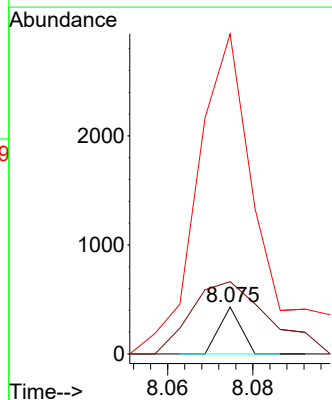
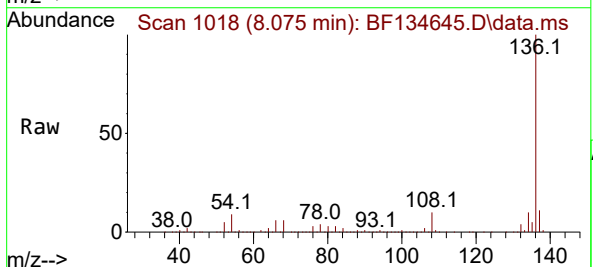
Instrument :
BNA_F
ClientSampleId :
TP-2

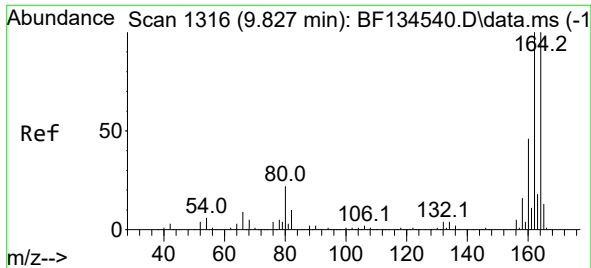
Tgt Ion: 82 Resp: 793084
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:122 Resp: 152
Ion Ratio Lower Upper
122 100
105 154.2 87.5 127.5#
77 682.6 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: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

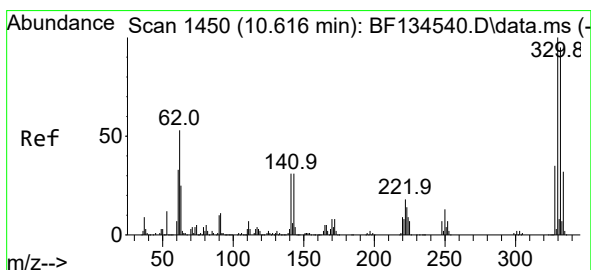
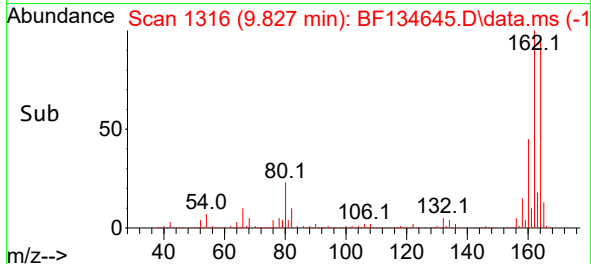
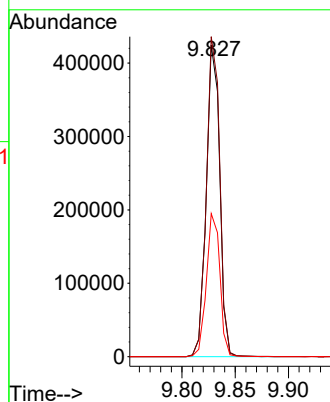
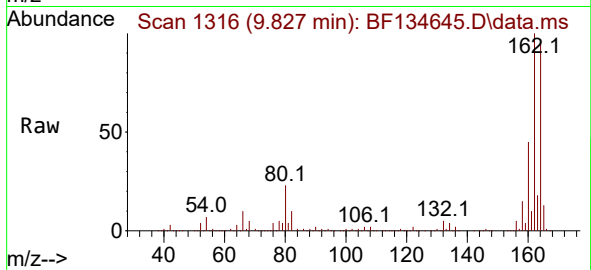
Tgt Ion:164 Resp: 373420

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 45.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 88.603 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

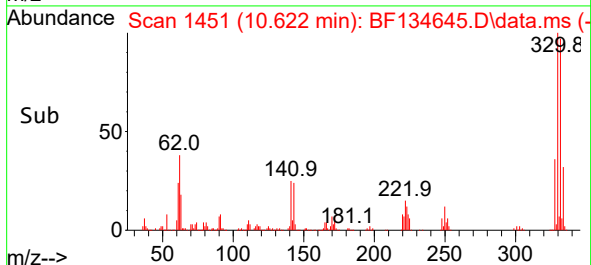
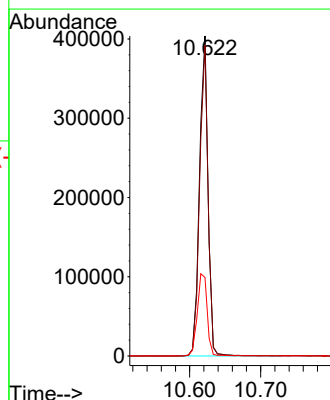
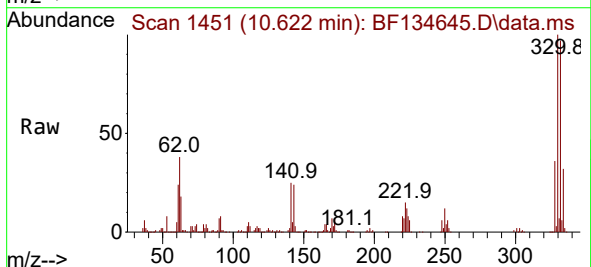
Tgt Ion:330 Resp: 337282

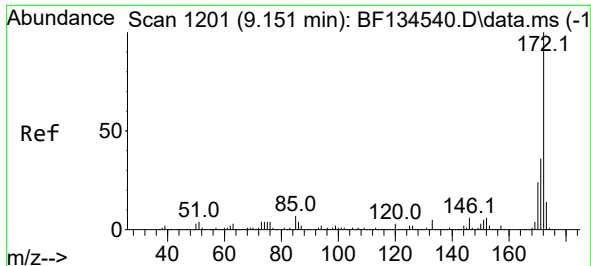
Ion Ratio Lower Upper

330 100

332 96.0 78.8 118.2

141 29.9 25.4 38.2

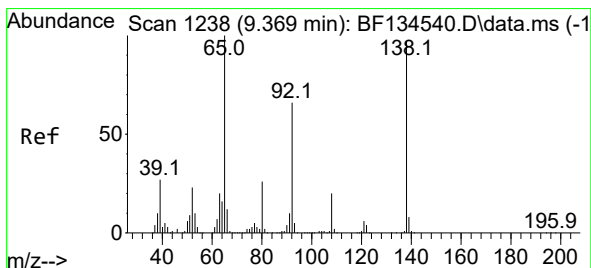
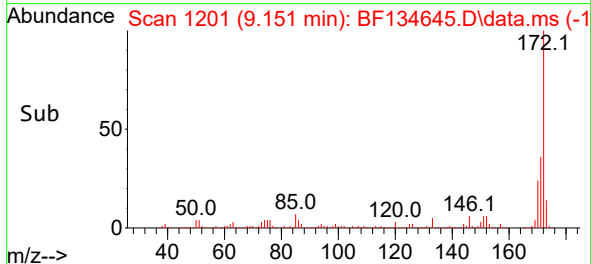
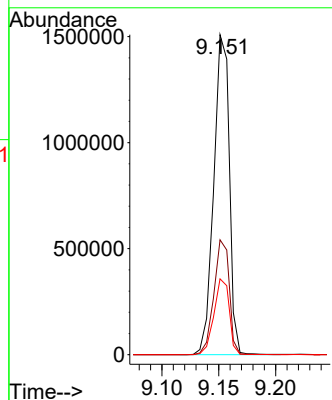
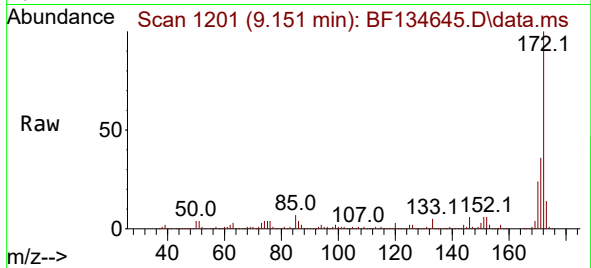




#45
2-Fluorobiphenyl
Concen: 64.063 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

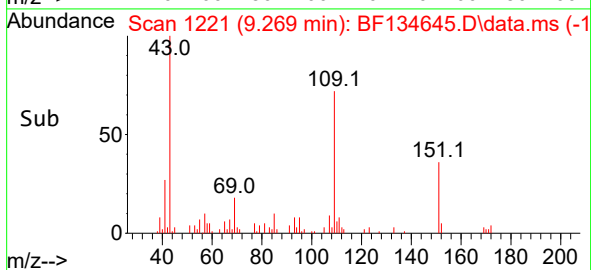
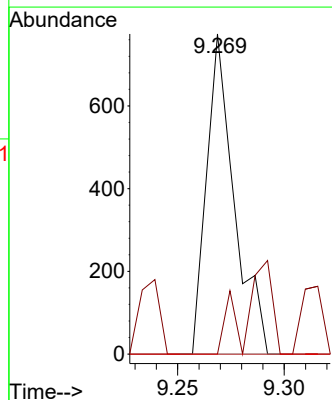
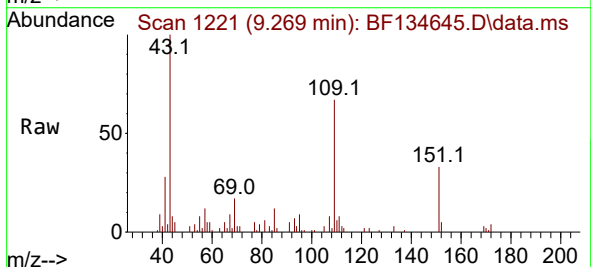
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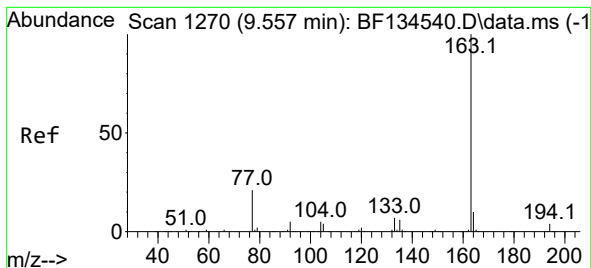
Tgt Ion:172 Resp: 1438769
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 18.7 28.1



#48
2-Nitroaniline
Concen: 3.262 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.112 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion: 65 Resp: 700
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#





#50

Dimethylphthalate

Concen: 3.074 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.265 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

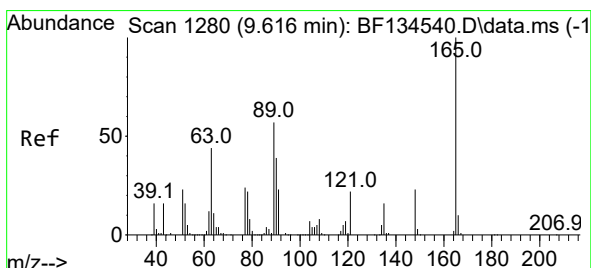
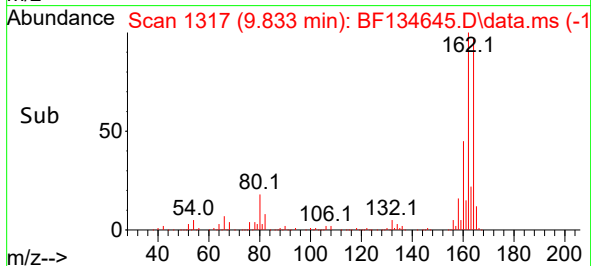
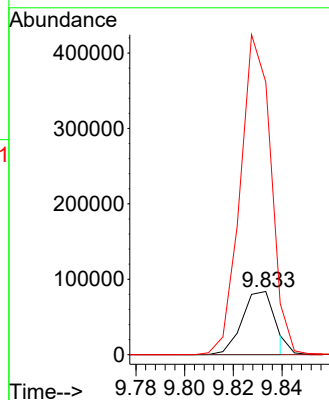
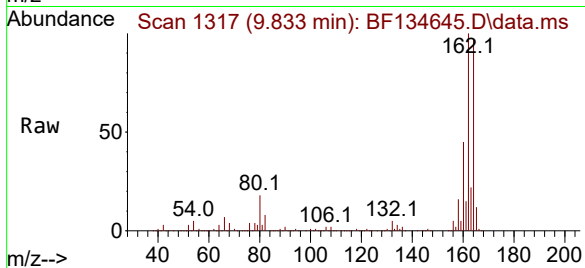
Tgt Ion:163 Resp: 78235

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 431.6 7.5 11.3#



#51

2,6-Dinitrotoluene

Concen: 11.315 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134645.D

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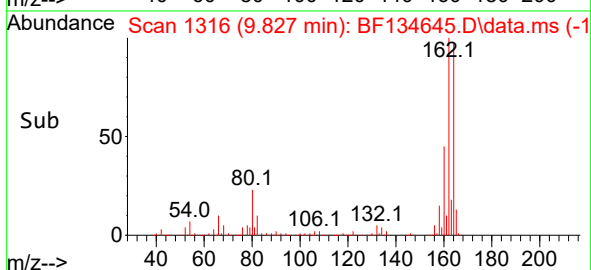
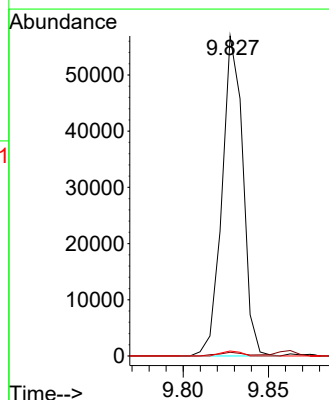
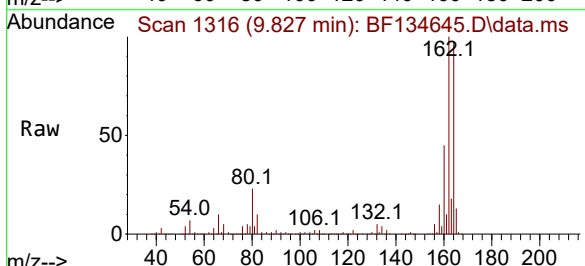
Tgt Ion:165 Resp: 48515

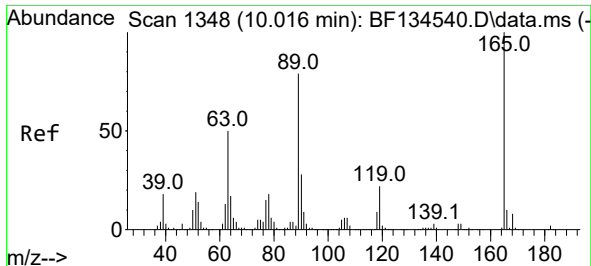
Ion Ratio Lower Upper

165 100

63 1.1 57.8 86.6#

89 1.6 51.8 77.8#

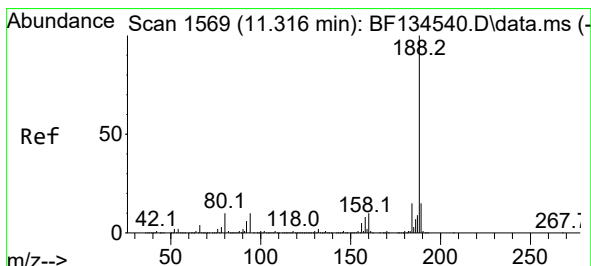
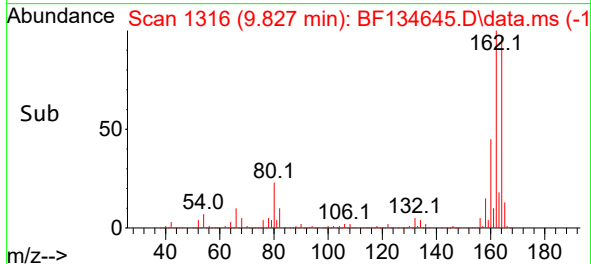
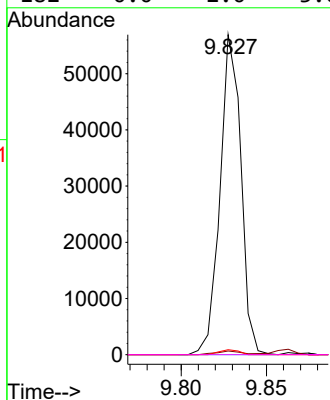
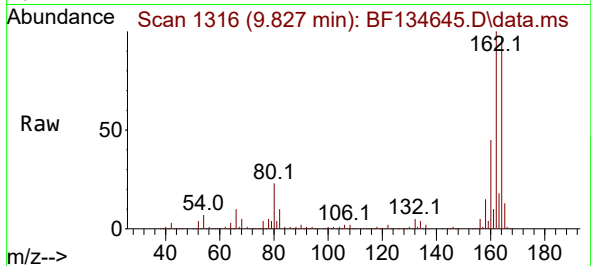




#57
2,4-Dinitrotoluene
Concen: 10.096 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

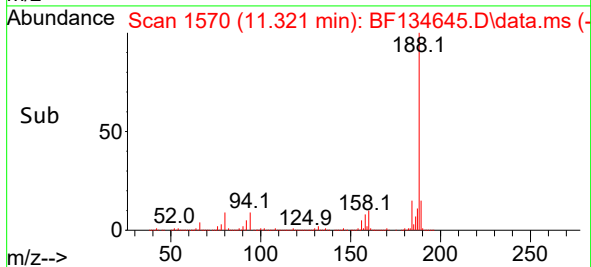
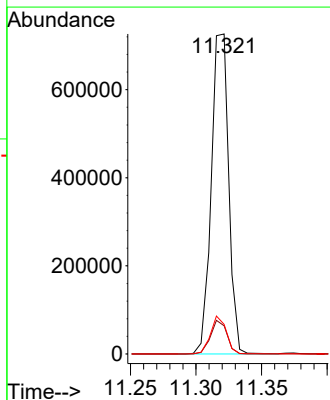
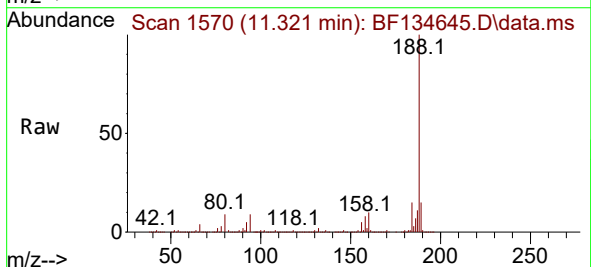
Instrument :
BNA_F
ClientSampleId :
TP-2

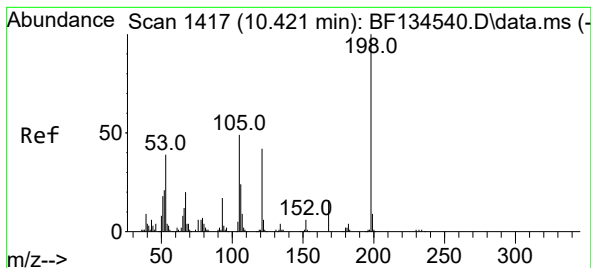
Tgt Ion:165 Resp: 48515
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:188 Resp: 671299
Ion Ratio Lower Upper
188 100
94 8.8 5.1 7.7#
80 9.2 6.6 9.8

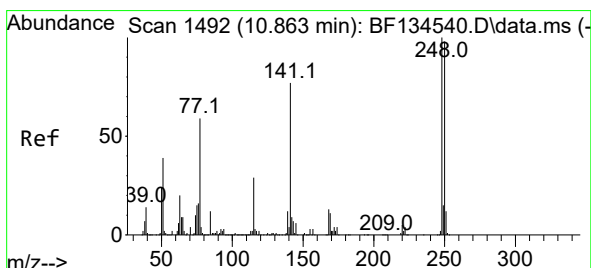
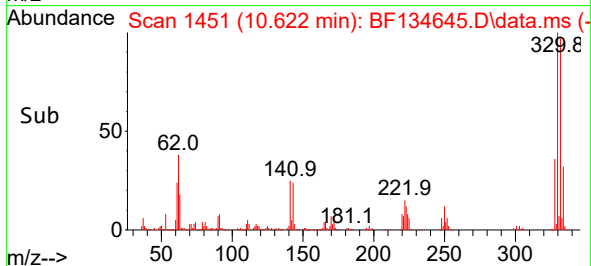
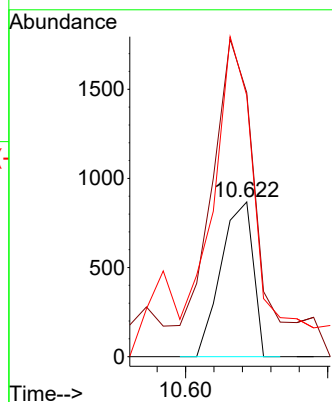
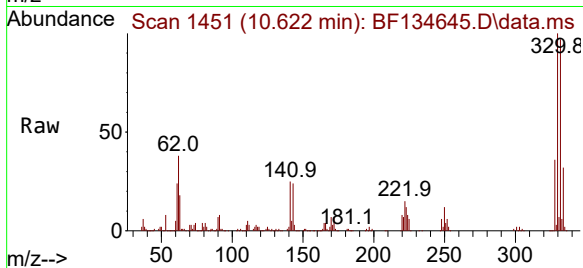




#65
4,6-Dinitro-2-methylphenol
Concen: 8.904 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

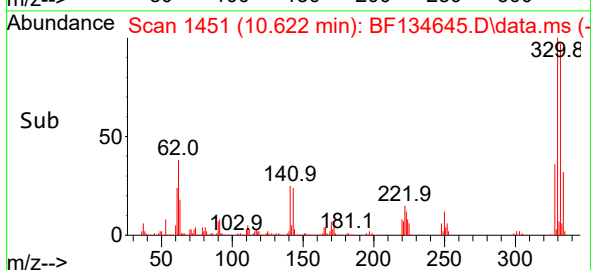
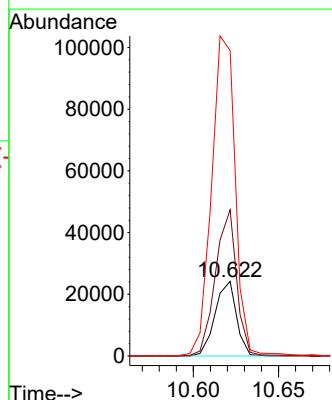
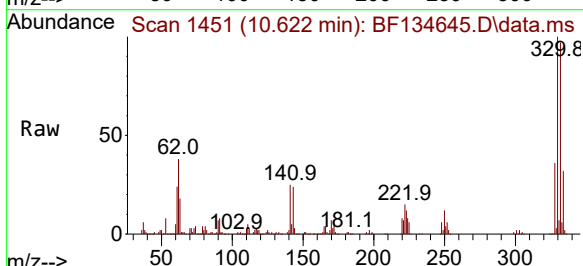
Instrument :
BNA_F
ClientSampleId :
TP-2

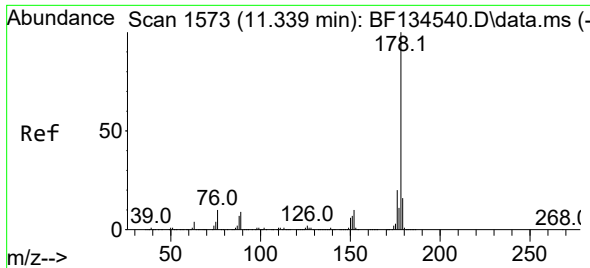
Tgt Ion:198 Resp: 681
Ion Ratio Lower Upper
198 100
51 170.6 38.6 78.6#
105 168.8 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.870 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:248 Resp: 21090
Ion Ratio Lower Upper
248 100
250 196.3 79.6 119.4#
141 409.9 59.6 89.4#

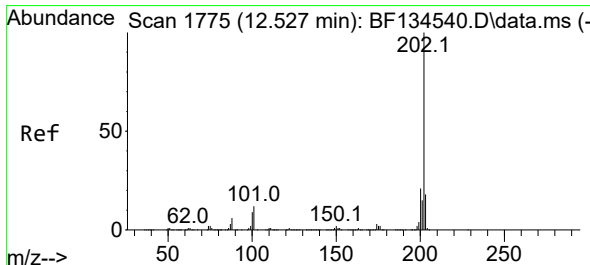
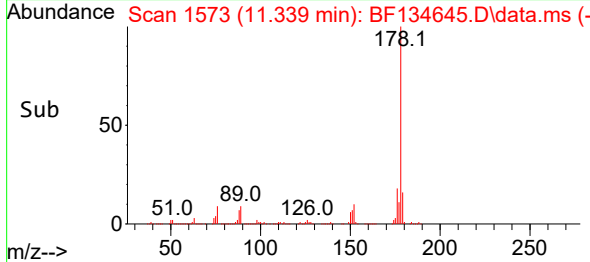
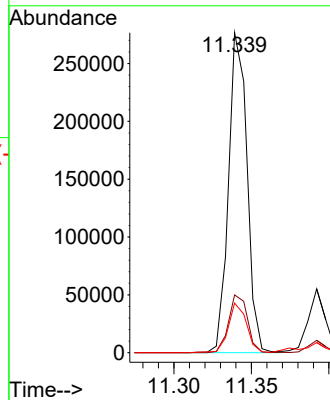
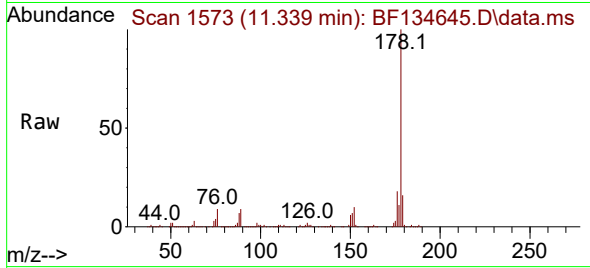




#71
Phenanthrene
Concen: 6.457 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

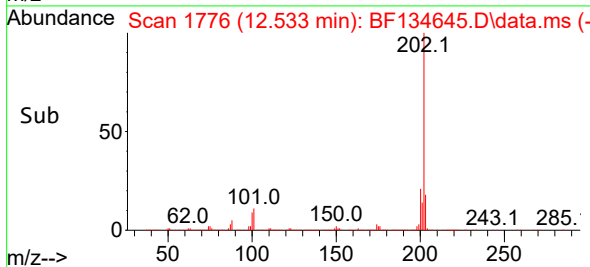
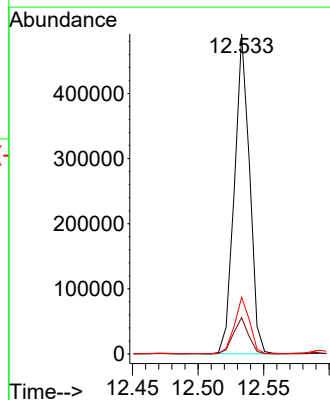
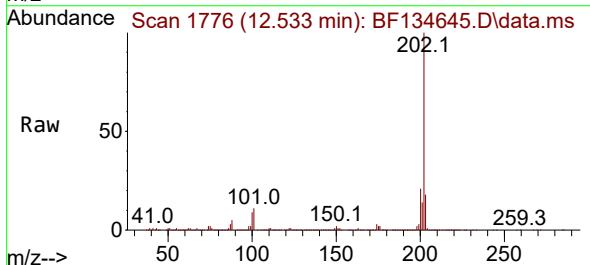
Instrument :
BNA_F
ClientSampleId :
TP-2

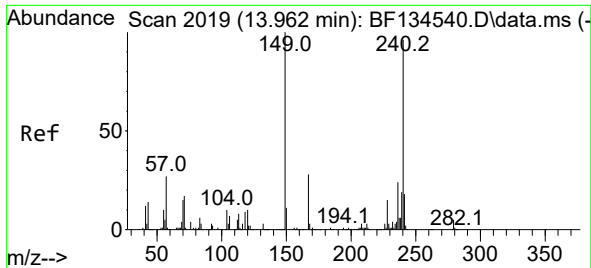
Tgt Ion:178 Resp: 230224
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.5 12.7 19.1



#75
Fluoranthene
Concen: 10.483 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:202 Resp: 394854
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.7 0.0 37.5

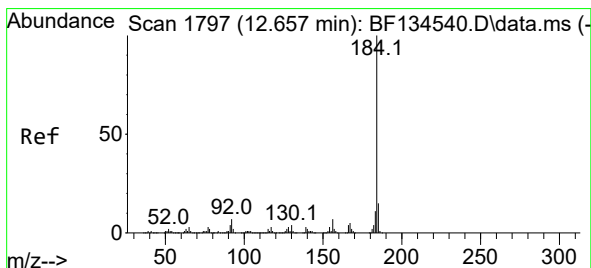
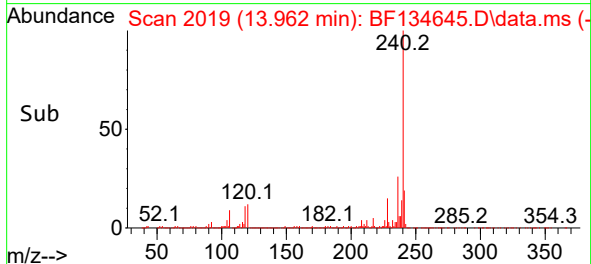
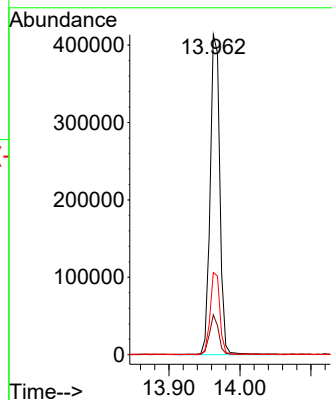
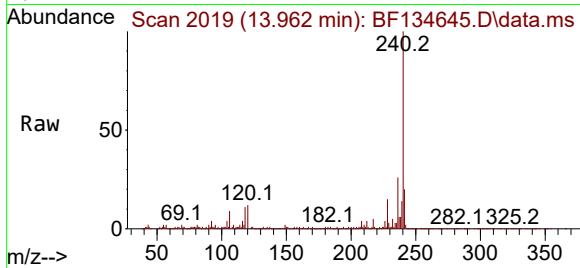




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

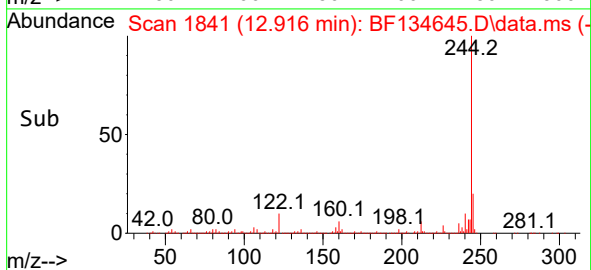
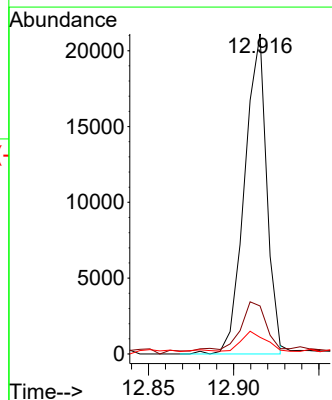
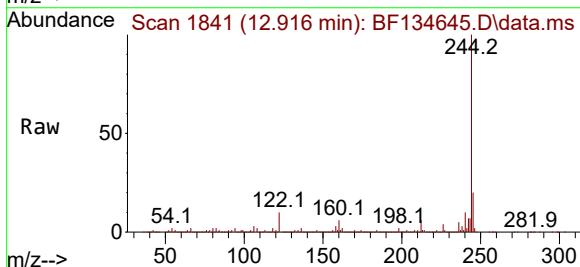
Instrument :
BNA_F
ClientSampleId :
TP-2

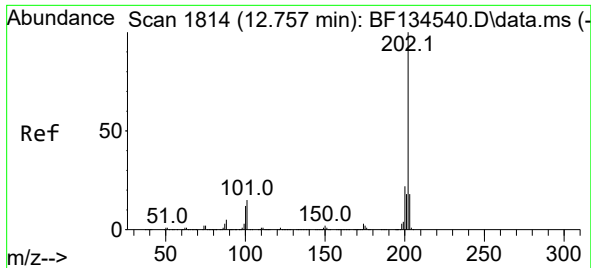
Tgt Ion:240 Resp: 391190
Ion Ratio Lower Upper
240 100
120 12.4 6.6 10.0#
236 25.7 20.2 30.2



#77
Benzidine
Concen: 2.240 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.253 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:184 Resp: 19024
Ion Ratio Lower Upper
184 100
185 15.0 11.2 16.8
183 5.2 8.6 13.0#

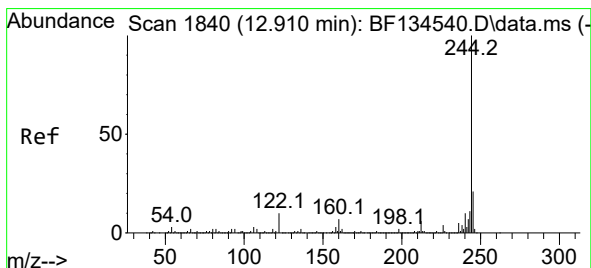
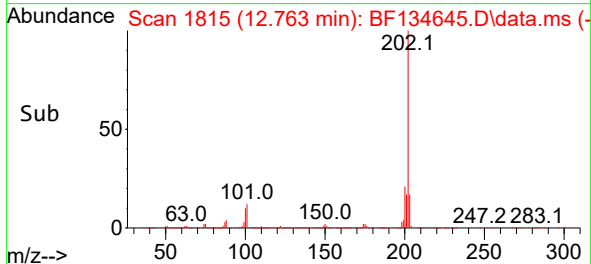
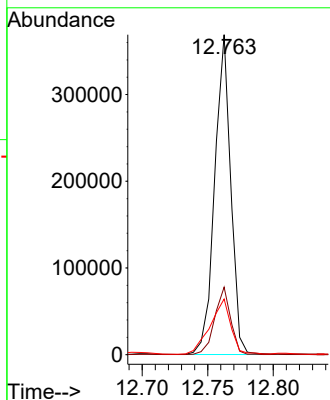
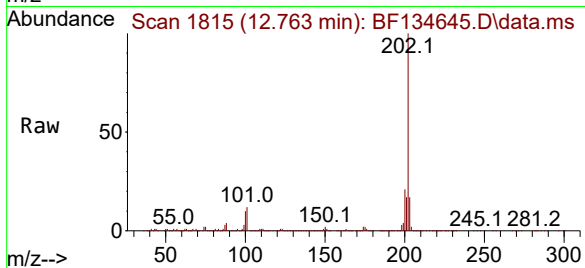




#78
Pyrene
Concen: 9.280 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

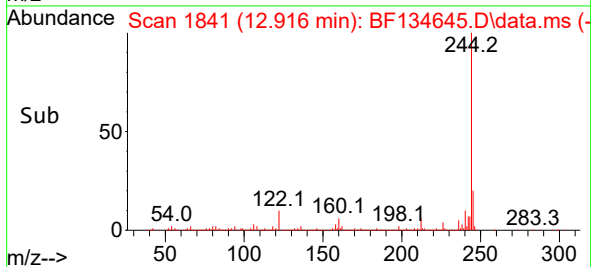
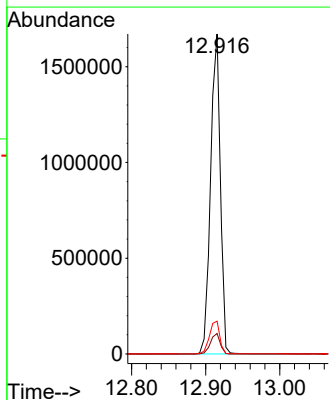
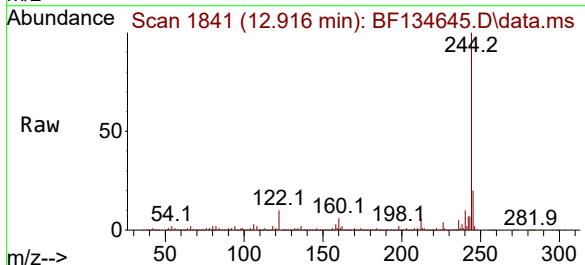
Instrument :
BNA_F
ClientSampleId :
TP-2

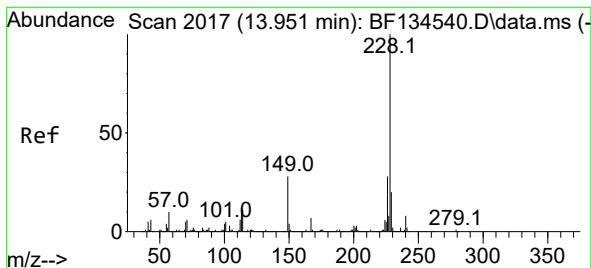
Tgt Ion:202 Resp: 314144
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 17.4 13.5 20.3



#79
Terphenyl-d14
Concen: 68.784 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:244 Resp: 1526351
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.2 8.0 12.0





#81

Benzo(a)anthracene

Concen: 4.754 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

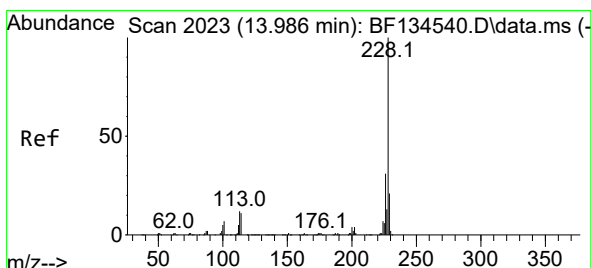
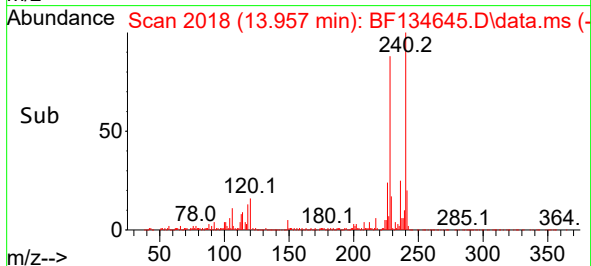
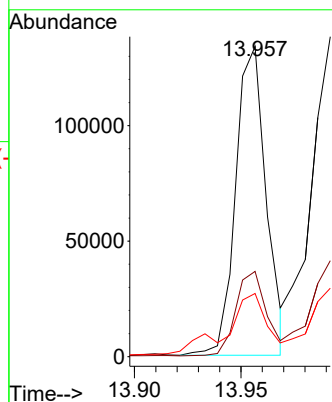
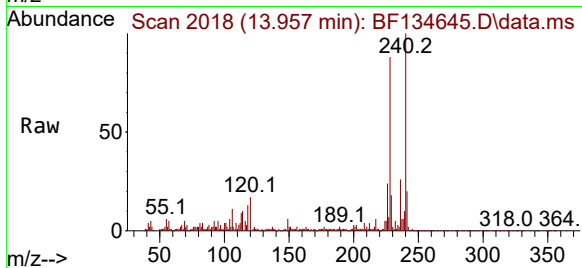
Tgt Ion:228 Resp: 132983

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

229 20.4 15.8 23.6



#83

Chrysene

Concen: 4.901 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

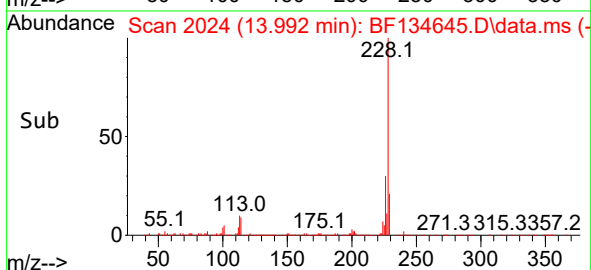
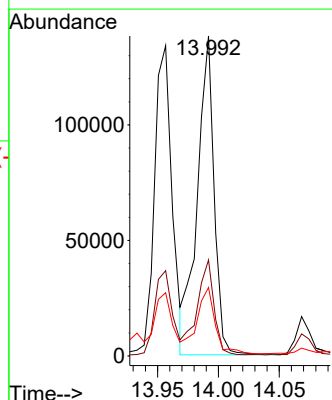
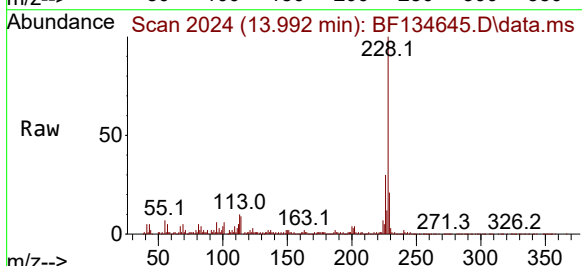
Tgt Ion:228 Resp: 133556

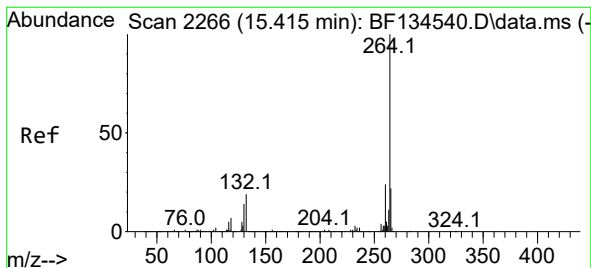
Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 21.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

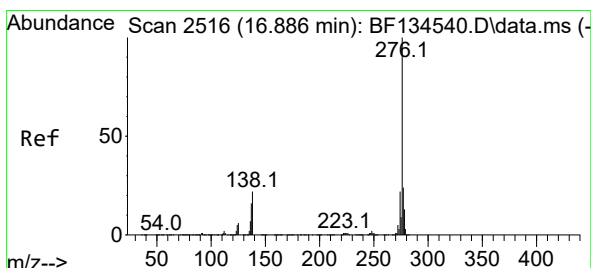
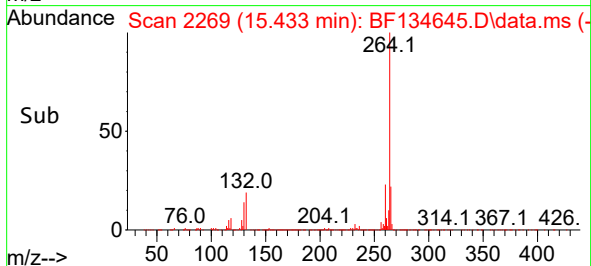
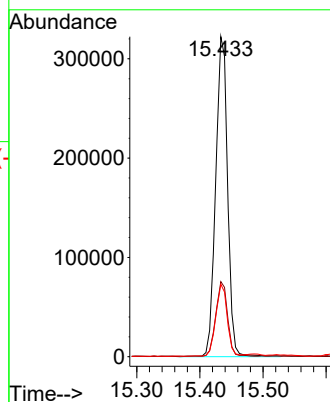
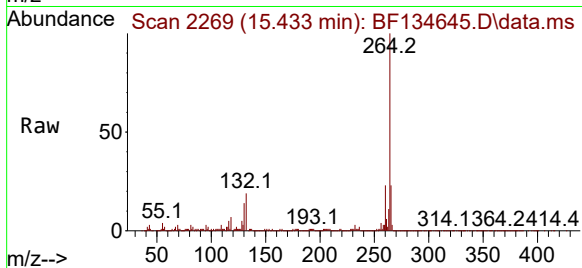
Tgt Ion:264 Resp: 422803

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 22.6 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.426 ng

RT: 16.909 min Scan# 2520

Delta R.T. -0.018 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

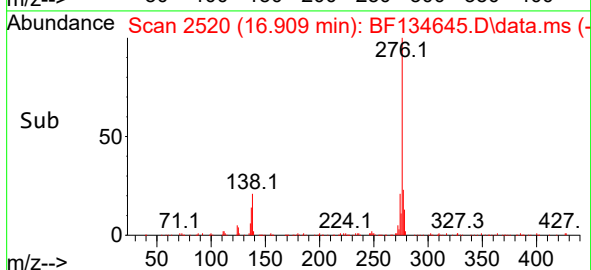
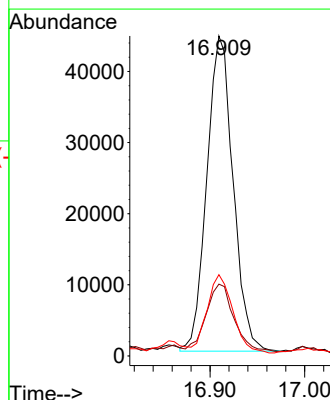
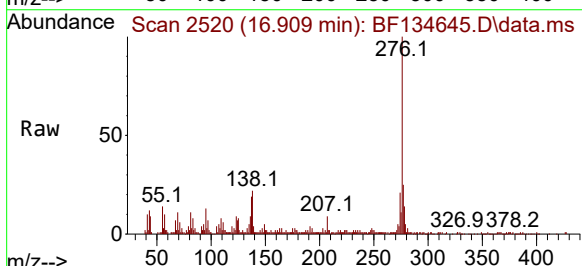
Tgt Ion:276 Resp: 85197

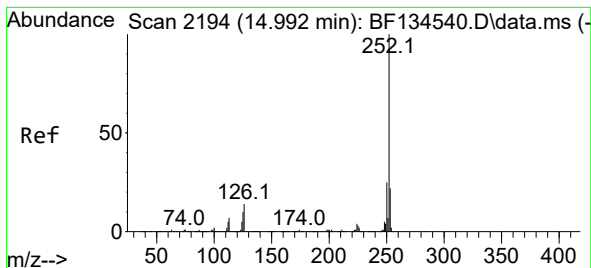
Ion Ratio Lower Upper

276 100

138 23.2 14.2 21.4#

277 24.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 8.651 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

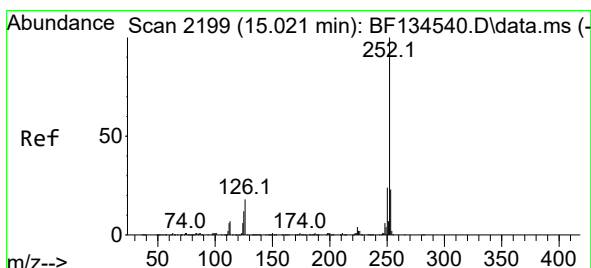
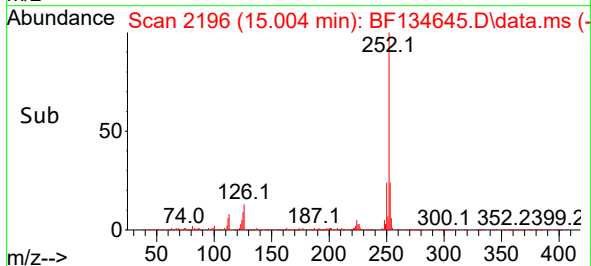
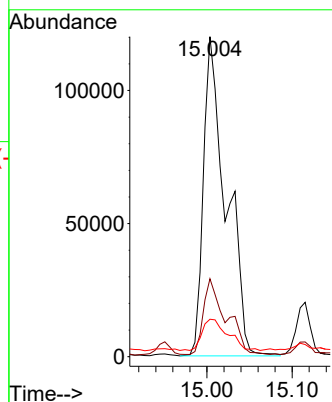
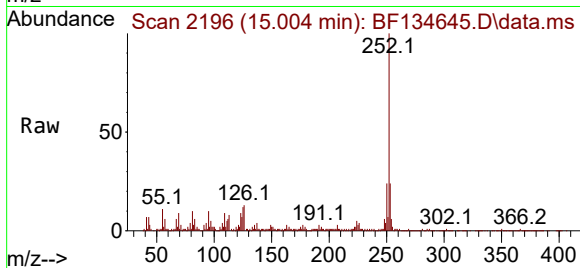
Tgt Ion:252 Resp: 223088

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 11.7 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 8.685 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

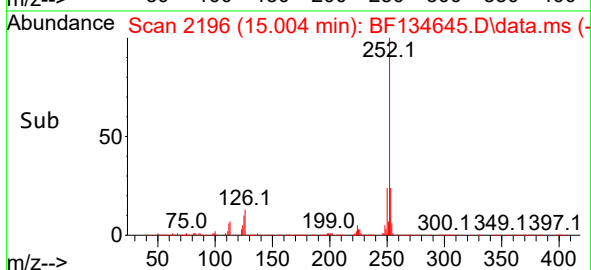
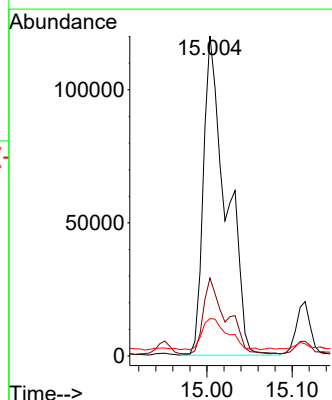
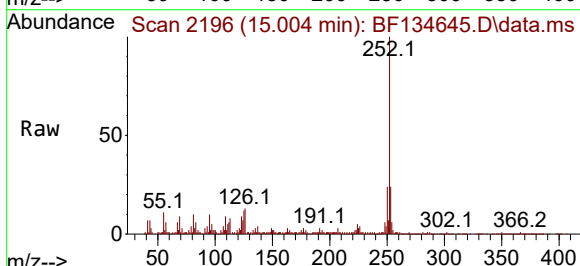
Tgt Ion:252 Resp: 223088

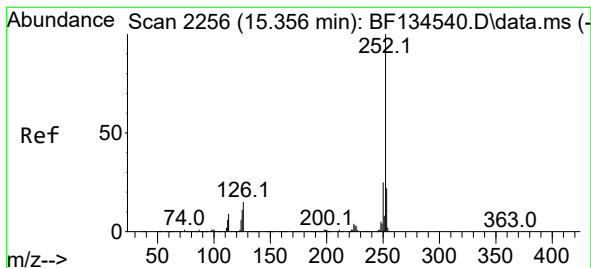
Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 11.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 4.987 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

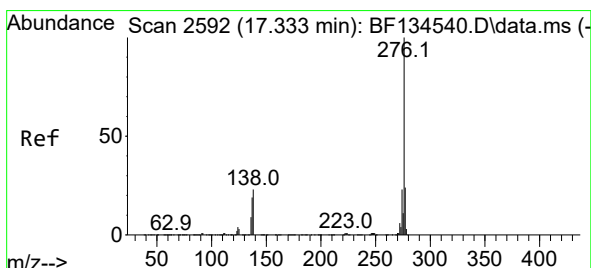
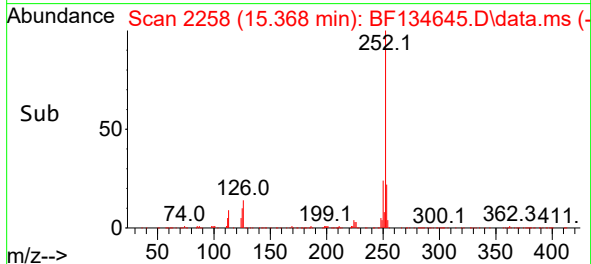
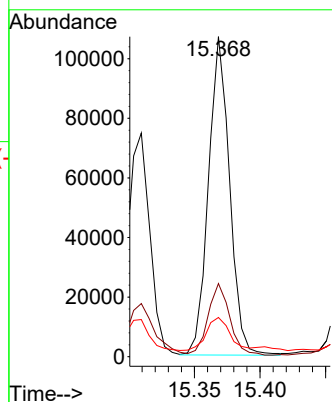
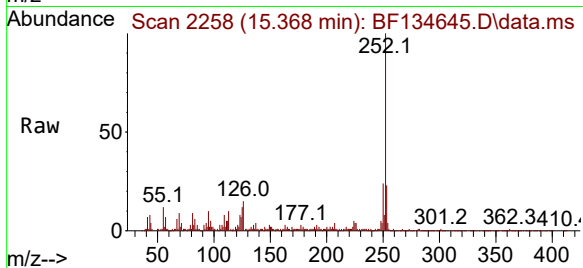
Tgt Ion:252 Resp: 119909

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 12.3 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 4.349 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.012 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Tgt Ion:276 Resp: 89145

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.6

138 20.7 12.2 18.2#

