

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134648.D
 Acq On : 07 Aug 2023 11:55
 Operator : CG\JU
 Sample : 03898-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-080323

Quant Time: Aug 08 01:20:16 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)

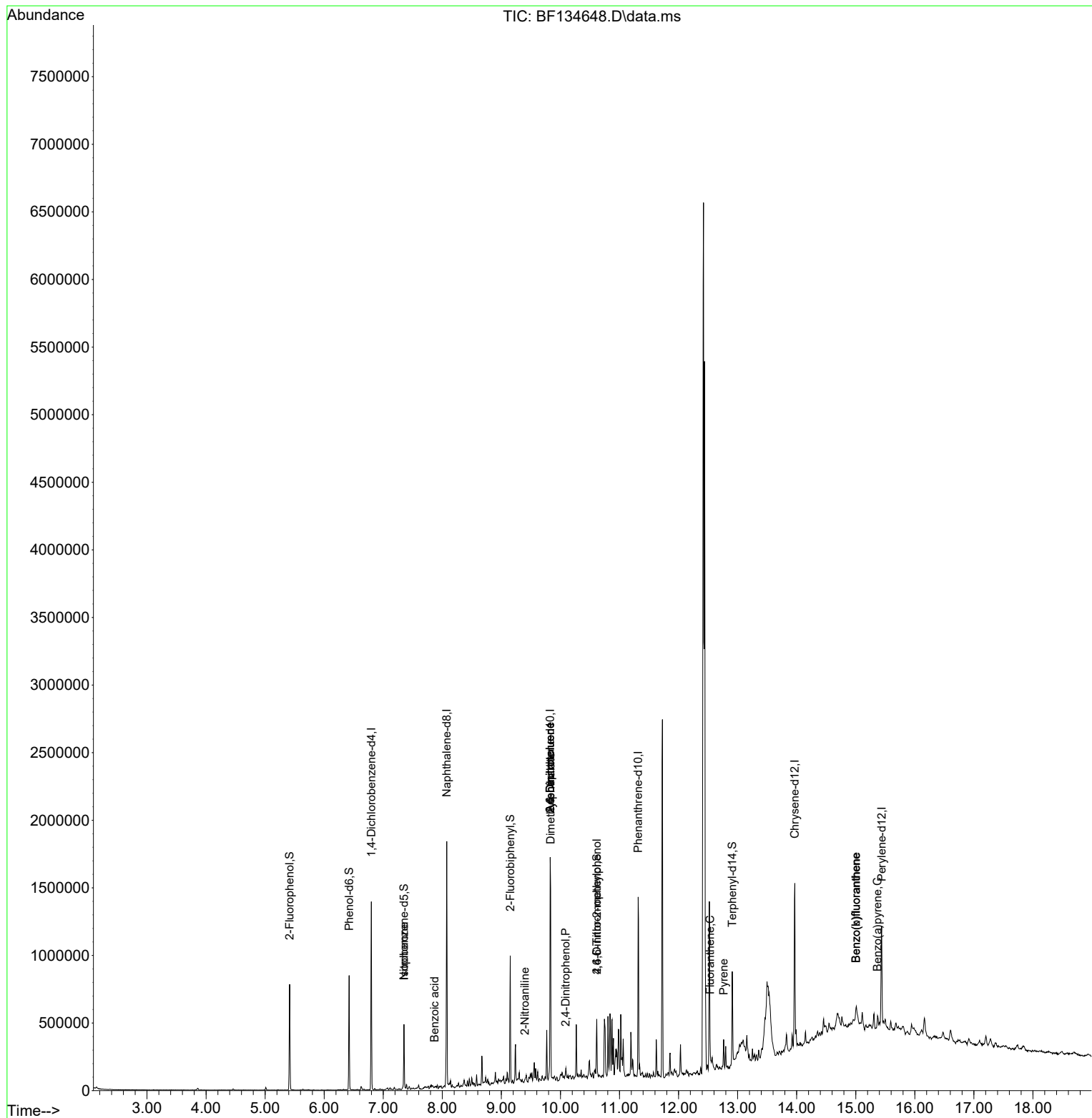
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	178762	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	681590	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	314360	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	478386	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	398410	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	347728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	186439	15.854	ng	-0.01
7) Phenol-d6	6.422	99	228032	15.169	ng	-0.02
23) Nitrobenzene-d5	7.351	82	121916	11.178	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	41356	12.905	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	243260	12.866	ng	-0.01
79) Terphenyl-d14	12.910	244	216916	9.598	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.328	77	456	Below Cal	#	1
25) Isophorone	7.351	82	119666	5.030	ng	# 65
32) Benzoic acid	7.869	122	54	7.874	ng	# 26
48) 2-Nitroaniline	9.398	65	203	3.199	ng	# 29
50) Dimethylphthalate	9.833	163	65690	3.066	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	42067	11.580	ng	# 17
54) 2,4-Dinitrophenol	10.086	184	57	6.824	ng	# 55
57) 2,4-Dinitrotoluene	9.827	165	42067	10.313	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	112	8.746	ng	# 1
75) Fluoranthene	12.533	202	61345	2.286	ng	96
78) Pyrene	12.763	202	77542	2.249	ng	98
88) Benzo(b)fluoranthene	15.004	252	74516	3.514	ng	# 82
89) Benzo(k)fluoranthene	15.004	252	74516	3.527	ng	# 84
90) Benzo(a)pyrene	15.368	252	44395	2.245	ng	# 86

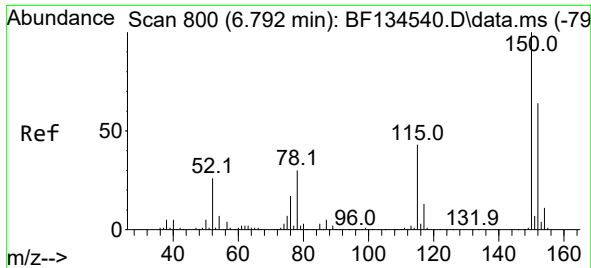
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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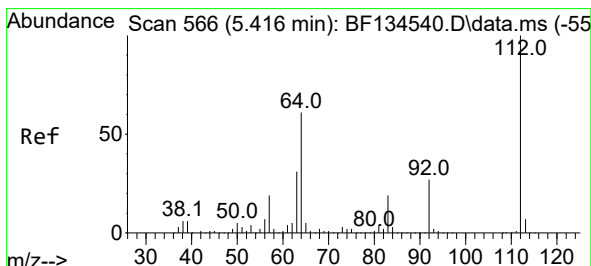
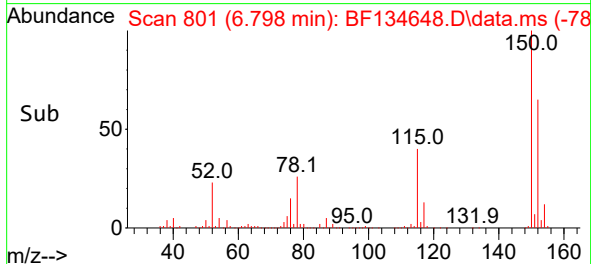
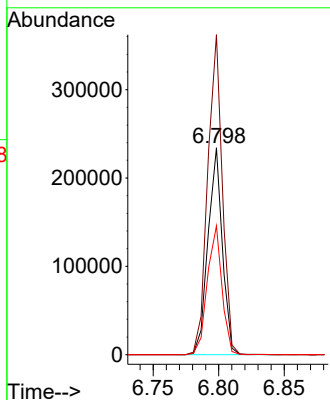
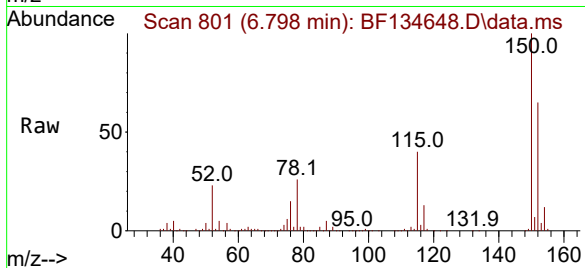




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

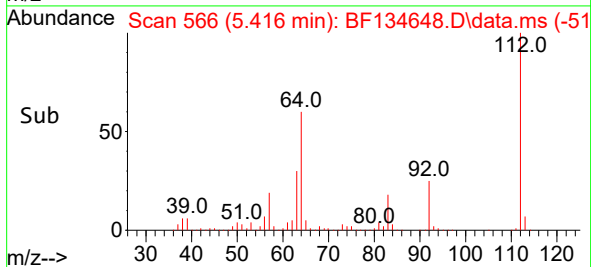
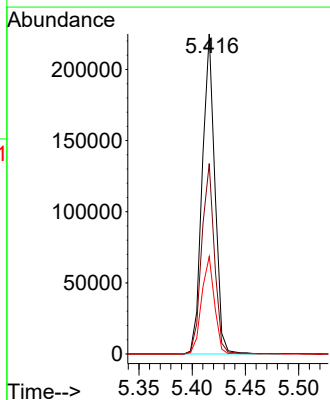
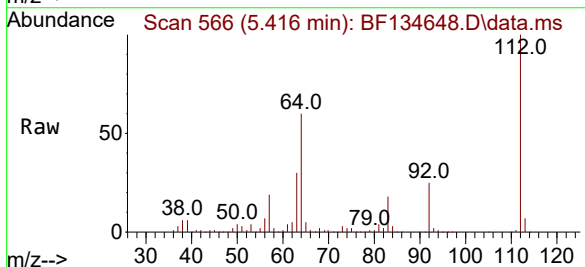
Instrument :
BNA_F
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TR-4-080323

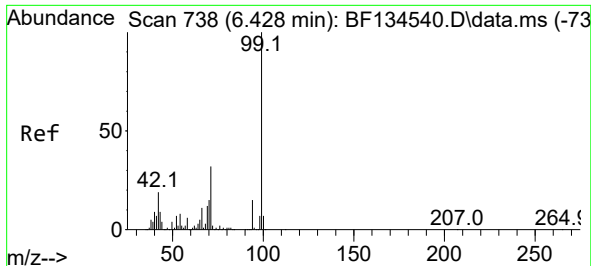
Tgt Ion:152 Resp: 178762
Ion Ratio Lower Upper
152 100
150 154.7 128.3 192.5
115 62.2 52.4 78.6



#5
2-Fluorophenol
Concen: 15.854 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:112 Resp: 186439
Ion Ratio Lower Upper
112 100
64 59.5 44.9 67.3
63 30.4 25.4 38.0





#7
Phenol-d6
Concen: 15.169 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

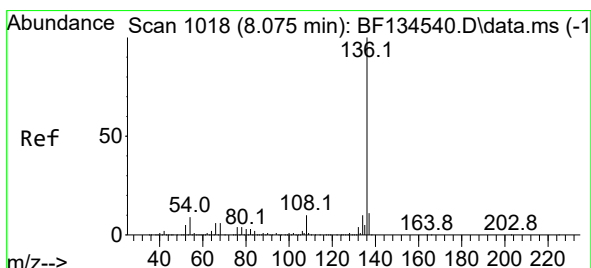
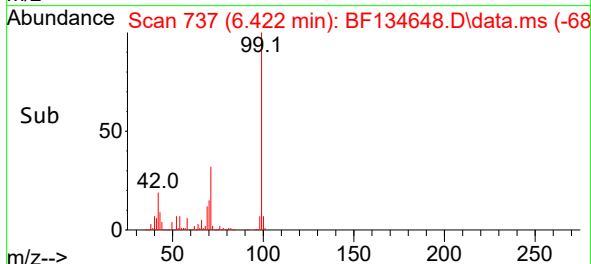
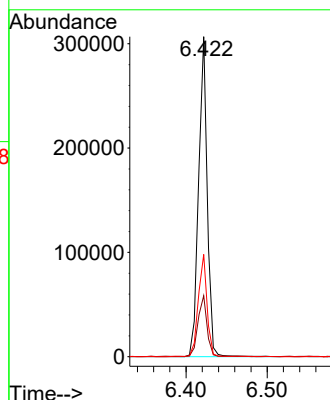
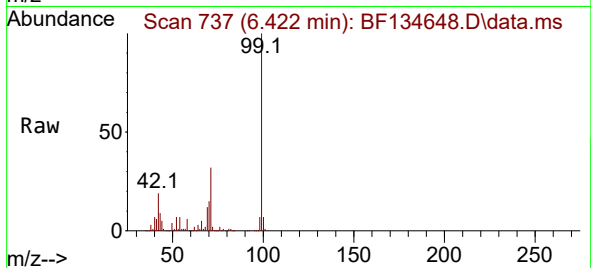
Instrument :

BNA_F

ClientSampleId :

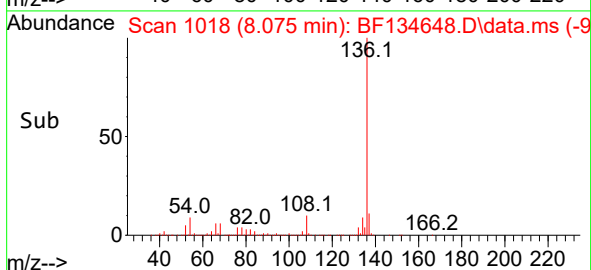
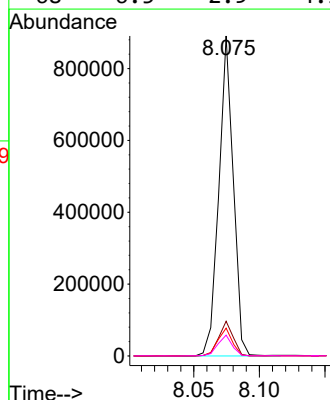
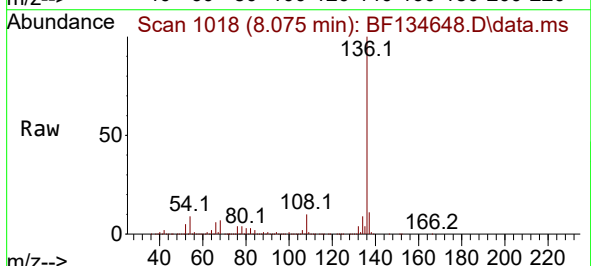
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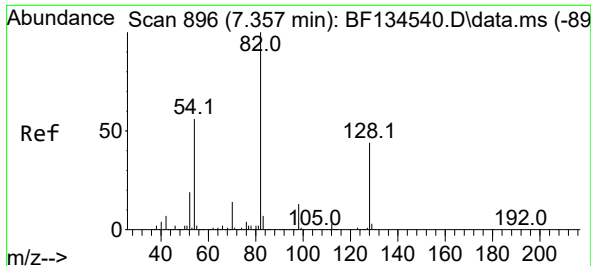
Tgt Ion: 99 Resp: 228032
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.0 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:136 Resp: 681590
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.7 5.2 7.8#
68 6.5 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 11.178 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

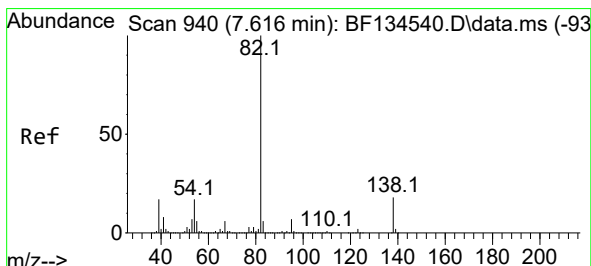
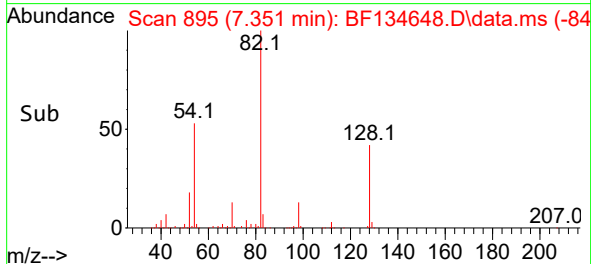
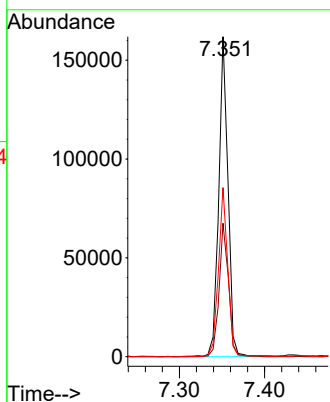
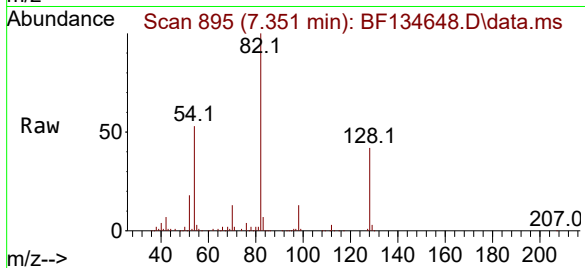
Tgt Ion: 82 Resp: 121916

Ion Ratio Lower Upper

82 100

128 41.7 34.3 51.5

54 52.8 43.8 65.6



#25

Isophorone

Concen: 5.030 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

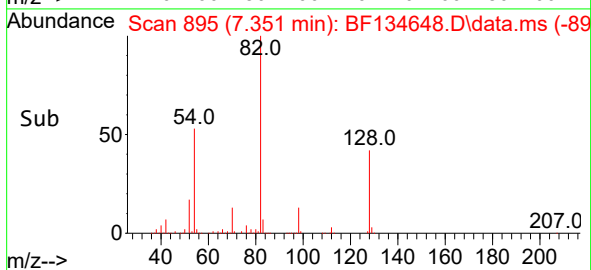
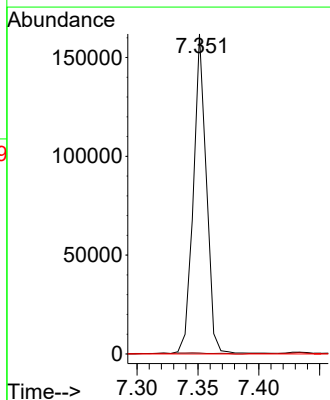
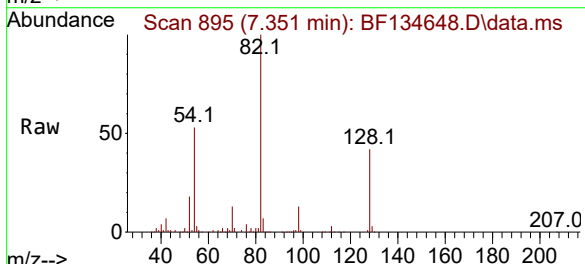
Tgt Ion: 82 Resp: 119666

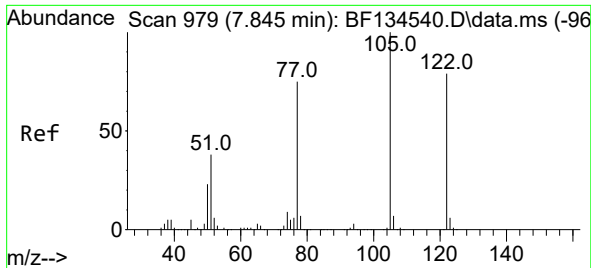
Ion Ratio Lower Upper

82 100

95 0.3 6.0 9.0#

138 0.0 14.6 22.0#

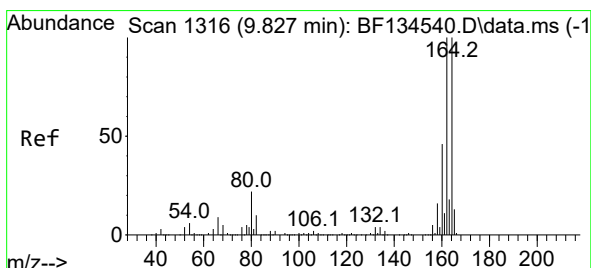
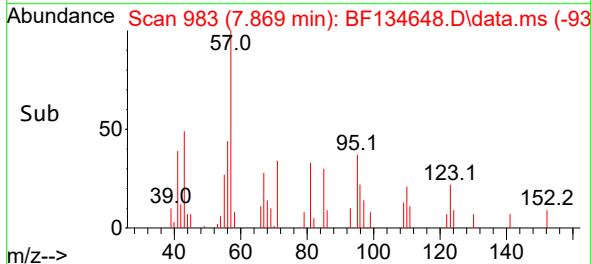
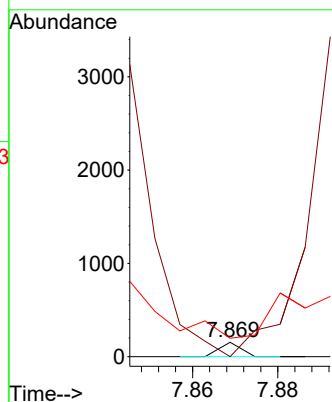
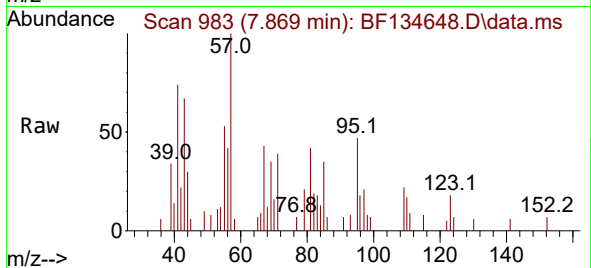




#32
Benzoic acid
Concen: 7.874 ng
RT: 7.869 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

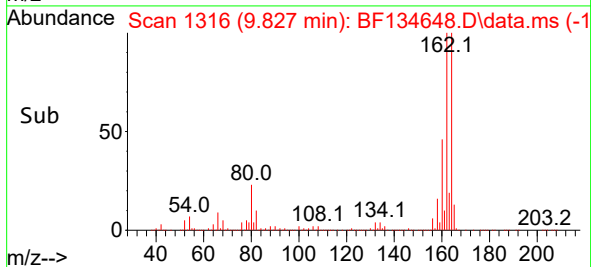
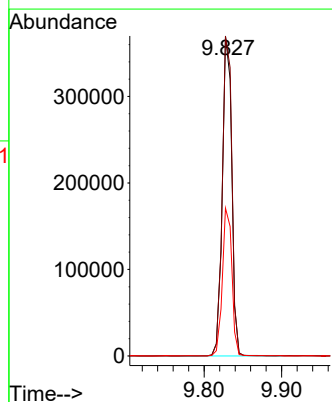
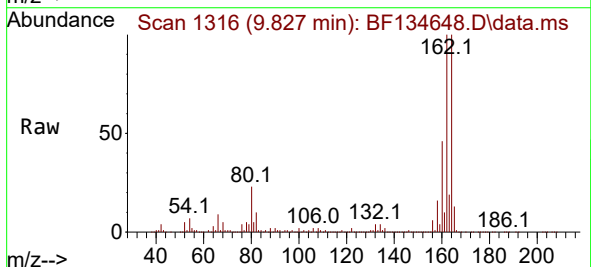
Instrument :
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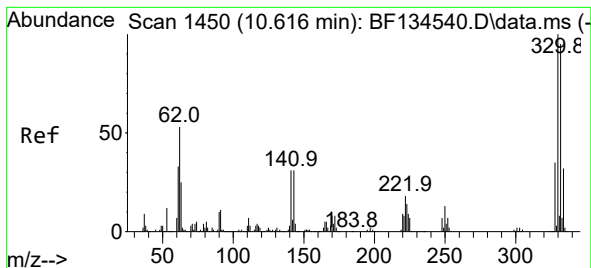
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 128.6 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:164 Resp: 314360
Ion Ratio Lower Upper
164 100
162 99.9 82.6 123.8
160 46.2 37.2 55.8

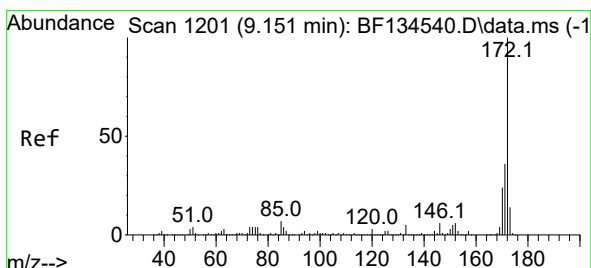
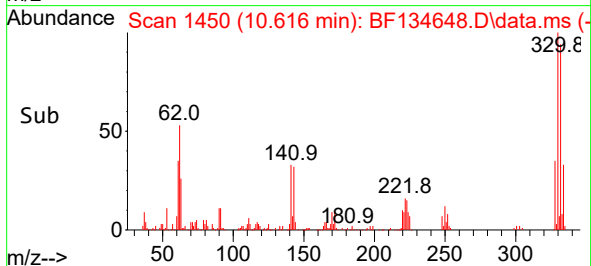
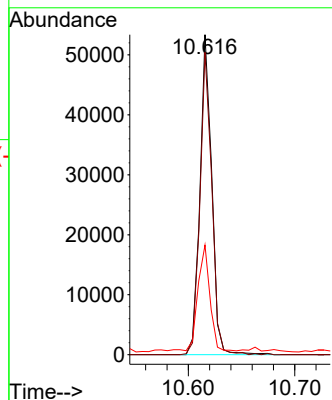
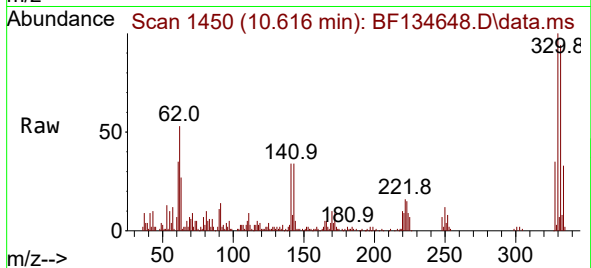




#42
2,4,6-Tribromophenol
Concen: 12.905 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

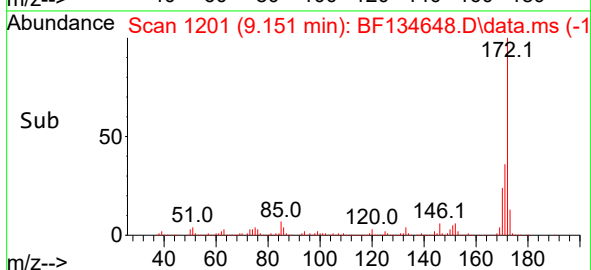
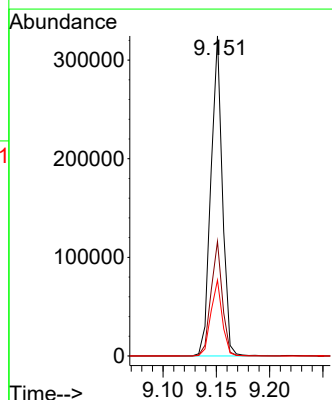
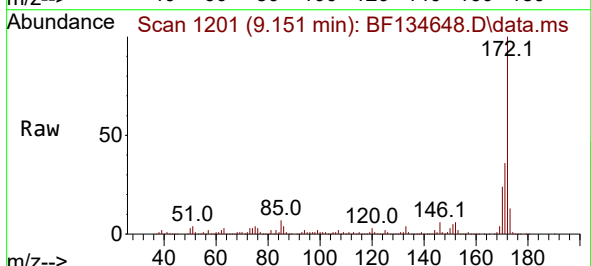
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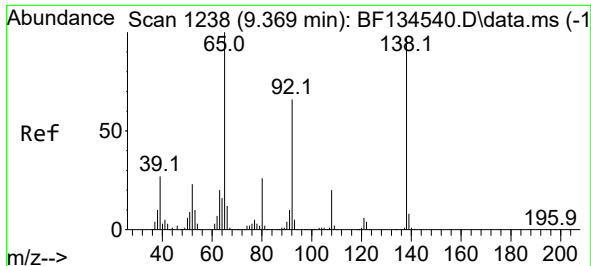
Tgt Ion: 330 Resp: 41356
Ion Ratio Lower Upper
330 100
332 94.8 78.8 118.2
141 33.0 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 12.866 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion: 172 Resp: 243260
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 18.7 28.1

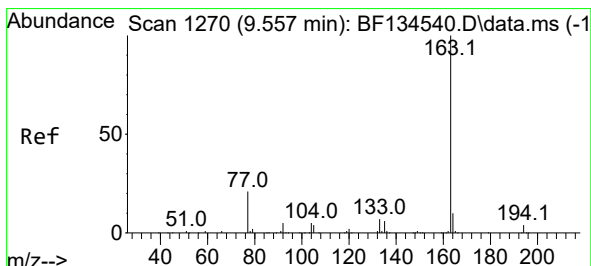
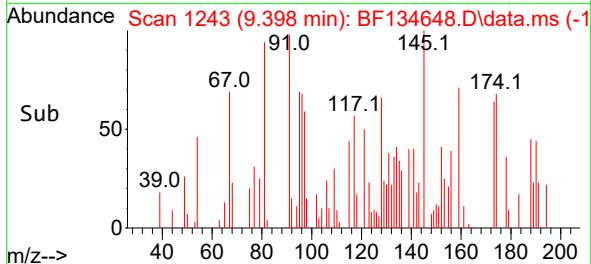
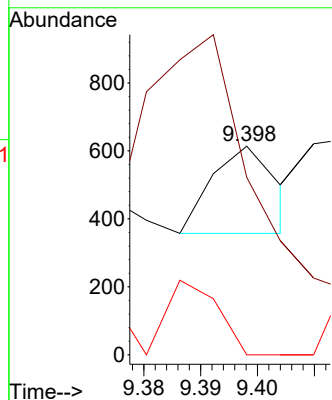
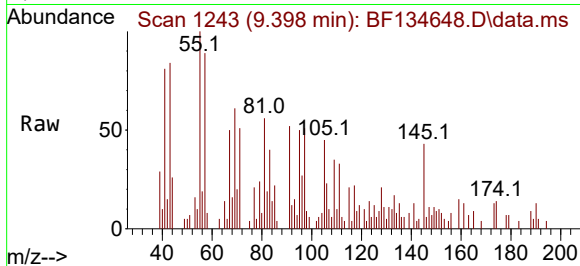




#48
2-Nitroaniline
Concen: 3.199 ng
RT: 9.398 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

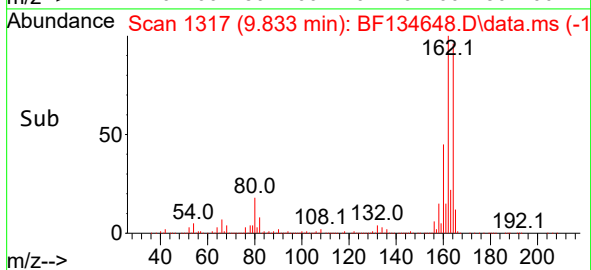
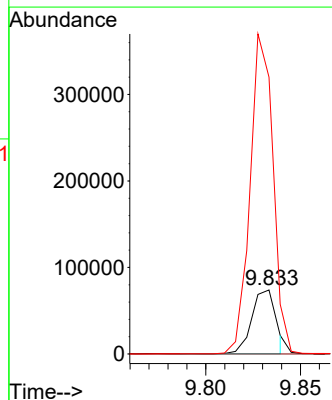
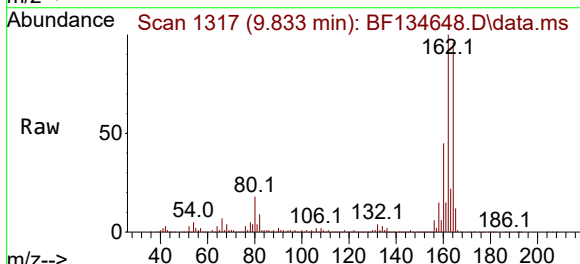
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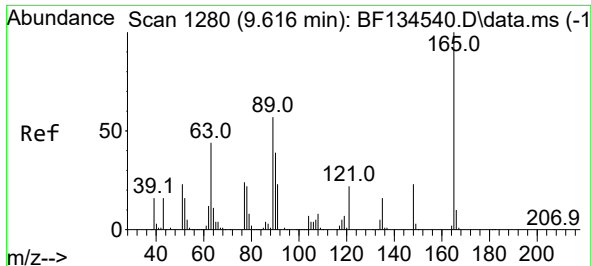
Tgt Ion: 65 Resp: 203
Ion Ratio Lower Upper
65 100
92 85.0 50.7 76.1#
138 0.0 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.066 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion: 163 Resp: 65690
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 432.1 7.5 11.3#

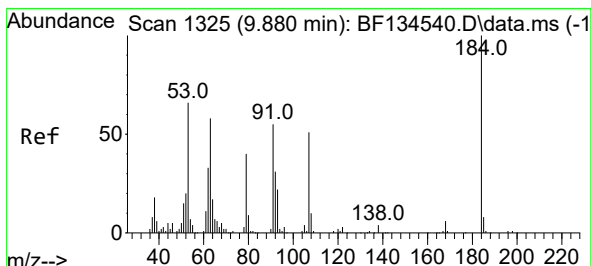
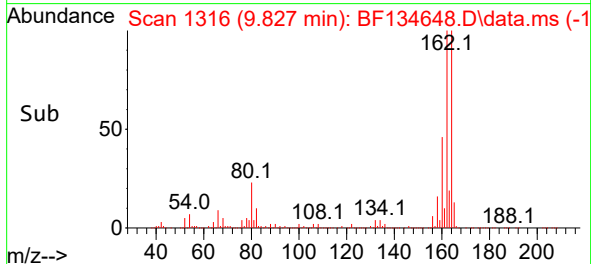
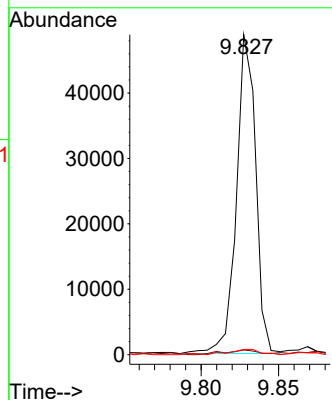
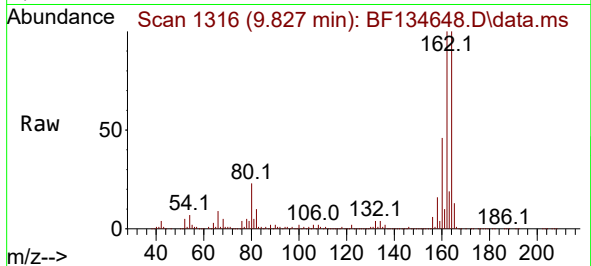




#51
2,6-Dinitrotoluene
Concen: 11.580 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

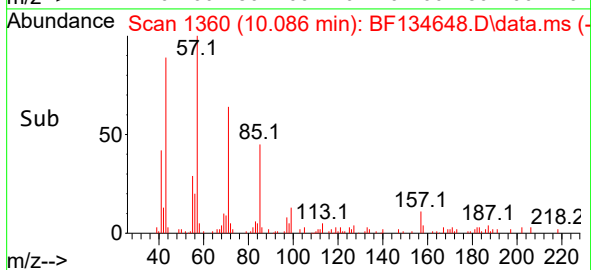
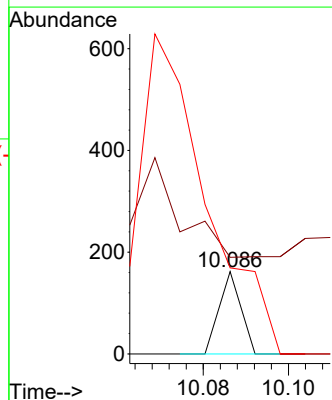
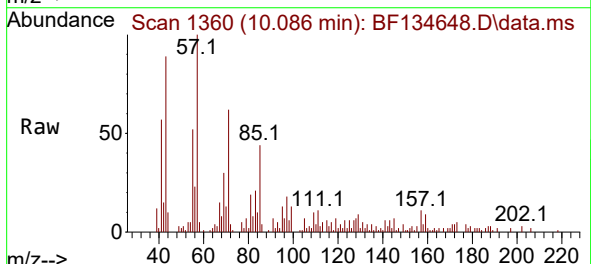
Instrument :
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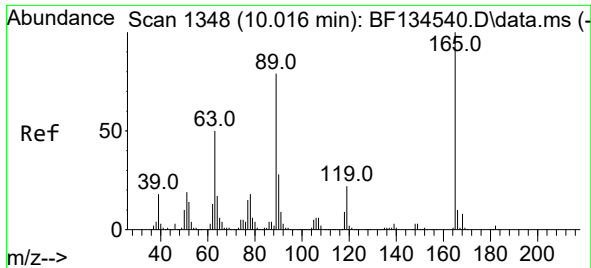
Tgt Ion:165 Resp: 42067
Ion Ratio Lower Upper
165 100
63 1.5 57.8 86.6#
89 1.6 51.8 77.8#



#54
2,4-Dinitrophenol
Concen: 6.824 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.188 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 117.3 57.1 85.7#
154 104.3 59.1 88.7#

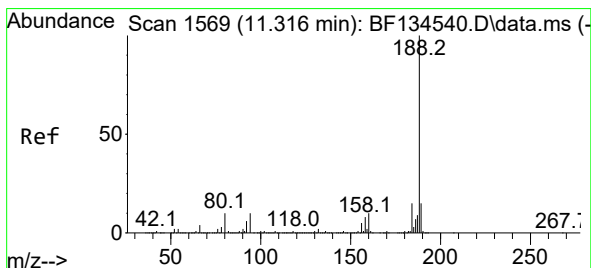
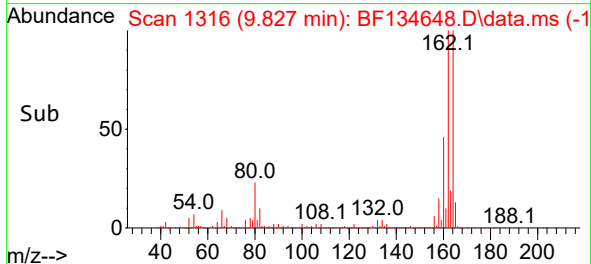
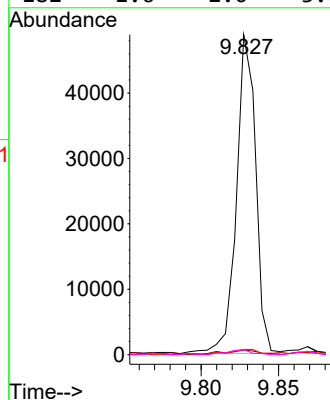
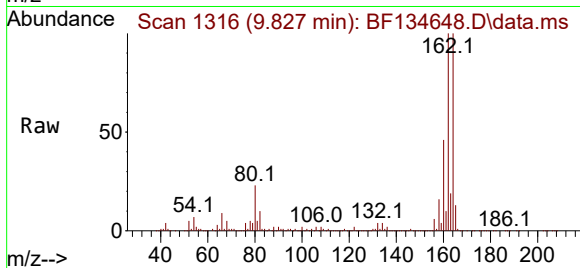




#57
2,4-Dinitrotoluene
Concen: 10.313 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

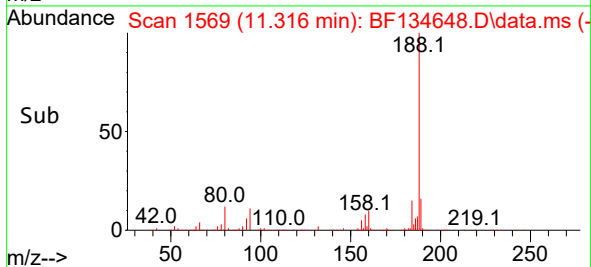
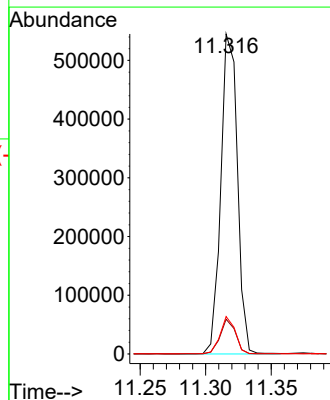
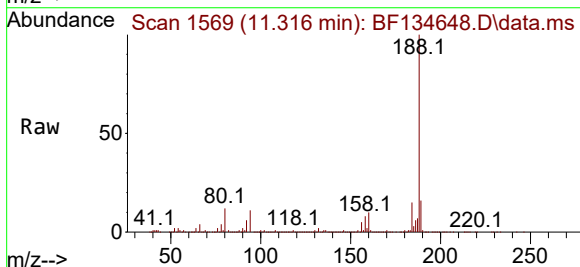
Instrument :
BNA_F
ClientSampleId :
TR-4-080323

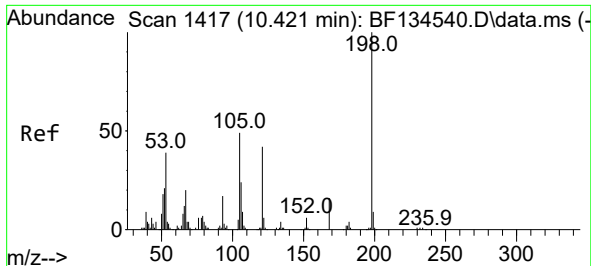
Tgt Ion:	165	Resp:	42067
Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	1.6	61.7	92.5#
182	1.6	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:	188	Resp:	478386
Ion	Ratio	Lower	Upper
188	100		
94	10.8	5.1	7.7#
80	11.7	6.6	9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.746 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.176 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

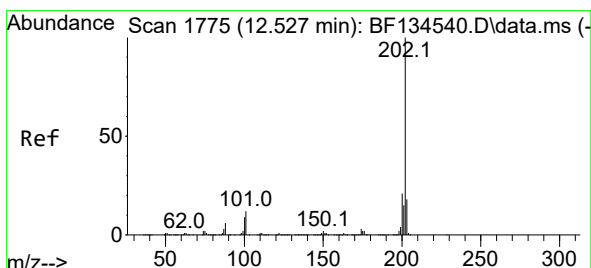
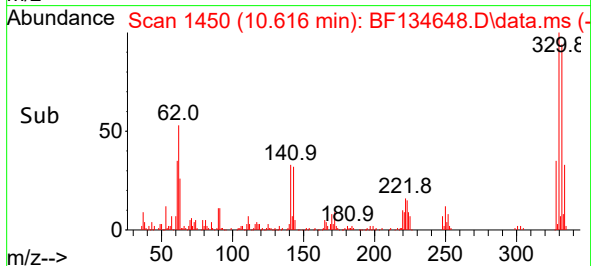
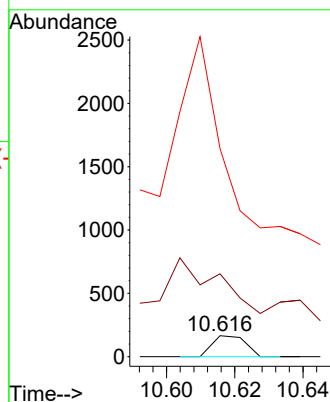
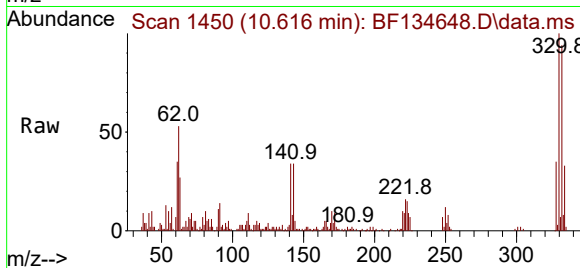
Tgt Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 394.0 38.6 78.6#

105 989.8 27.9 67.9#



#75

Fluoranthene

Concen: 2.286 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

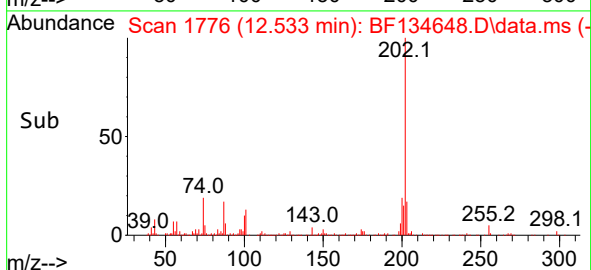
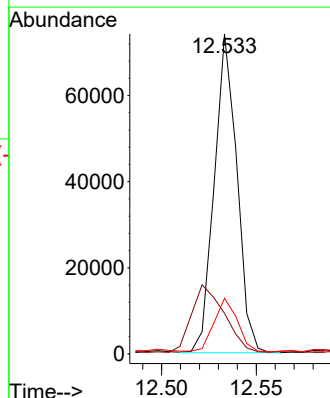
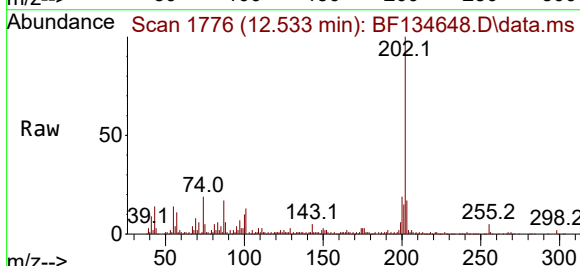
Tgt Ion:202 Resp: 61345

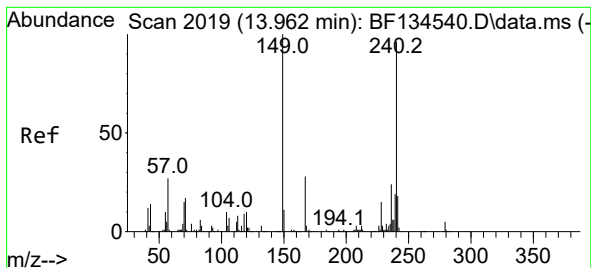
Ion Ratio Lower Upper

202 100

101 12.7 0.0 28.5

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

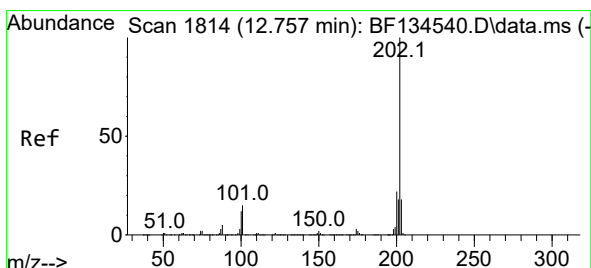
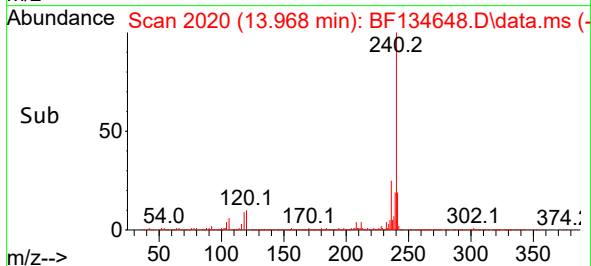
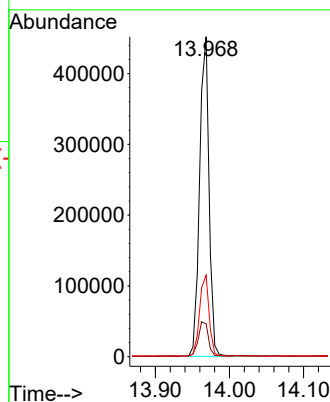
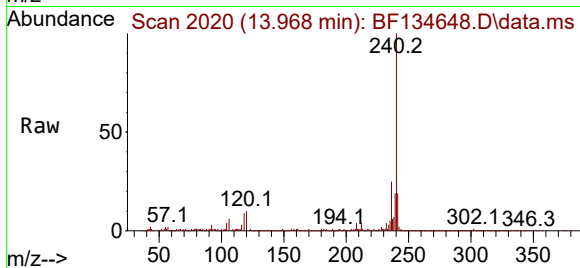
Tgt Ion:240 Resp: 398410

Ion Ratio Lower Upper

240 100

120 10.3 6.6 10.0#

236 25.4 20.2 30.2



#78

Pyrene

Concen: 2.249 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

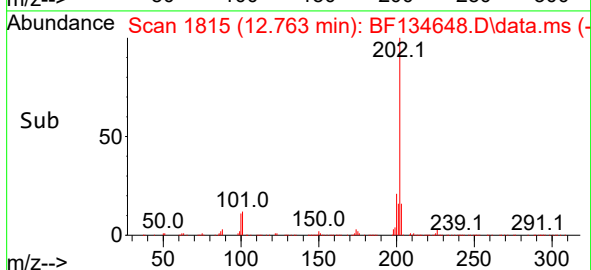
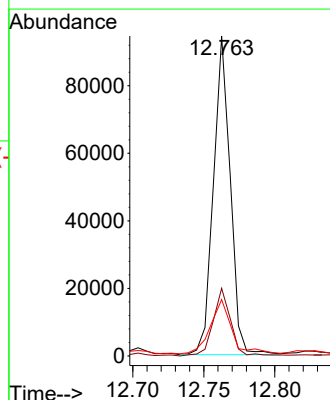
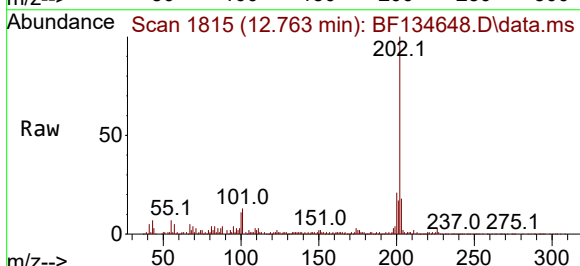
Tgt Ion:202 Resp: 77542

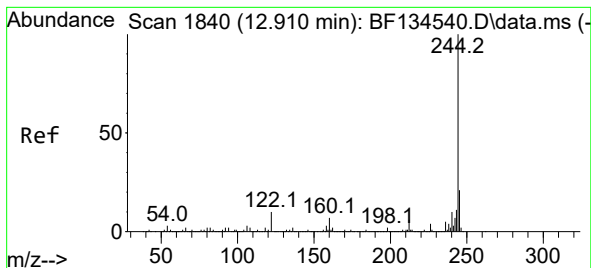
Ion Ratio Lower Upper

202 100

200 21.1 15.8 23.8

203 17.6 13.5 20.3





#79

Terphenyl-d14

Concen: 9.598 ng

RT: 12.910 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

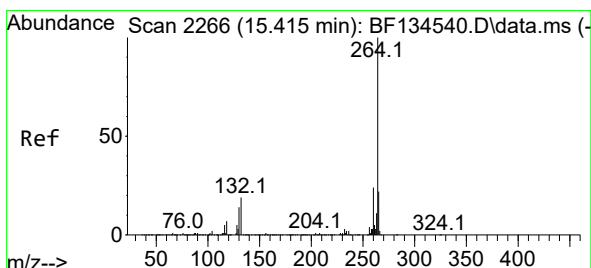
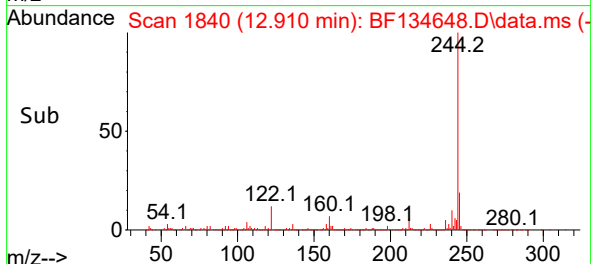
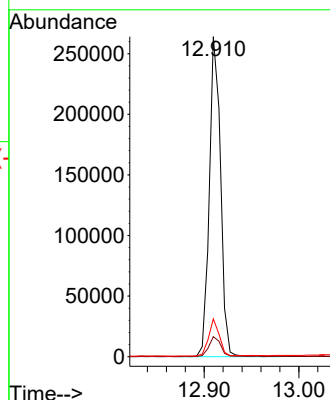
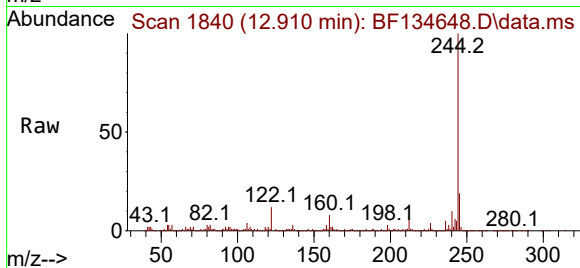
Tgt Ion:244 Resp: 216916

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 11.8 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

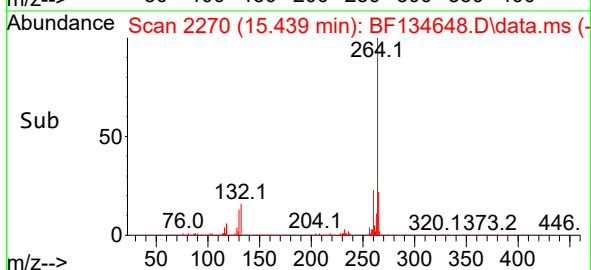
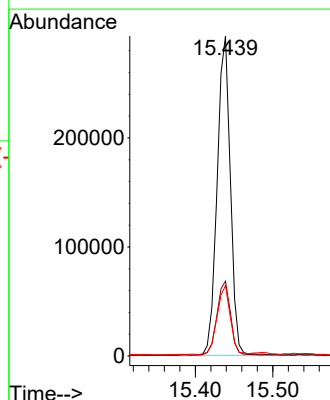
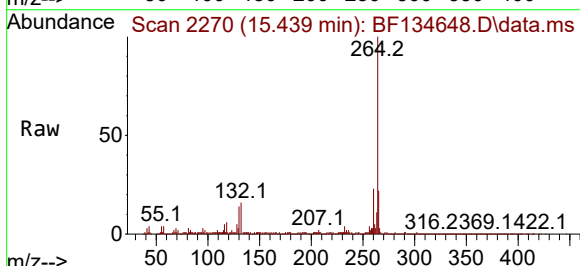
Tgt Ion:264 Resp: 347728

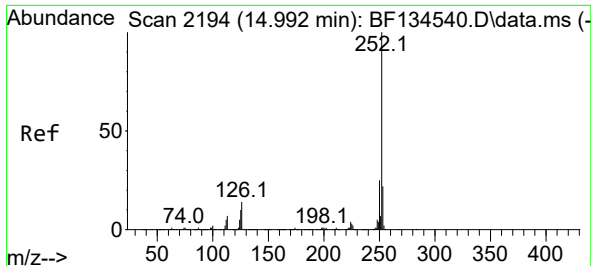
Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 22.0 15.8 23.8

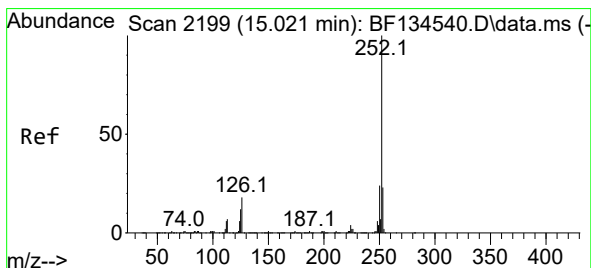
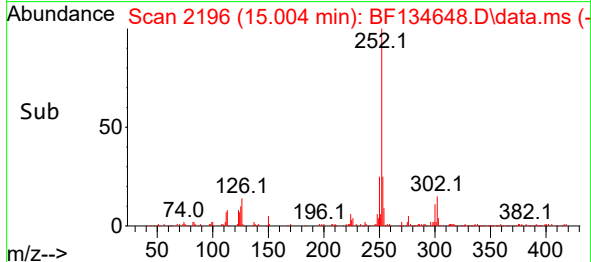
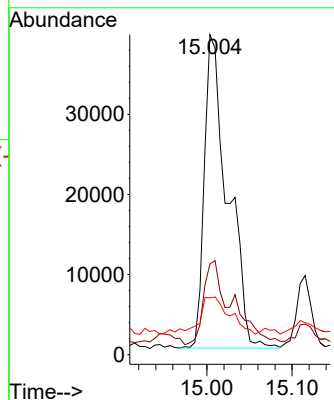
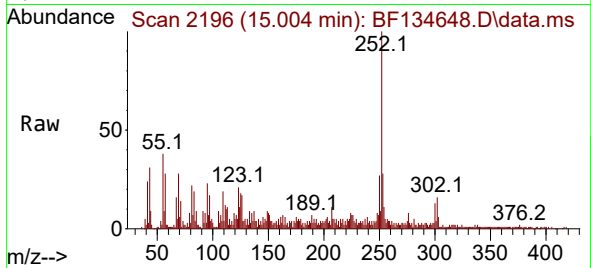




#88
Benzo(b)fluoranthene
Concen: 3.514 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

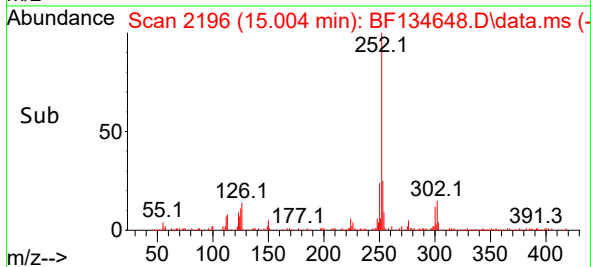
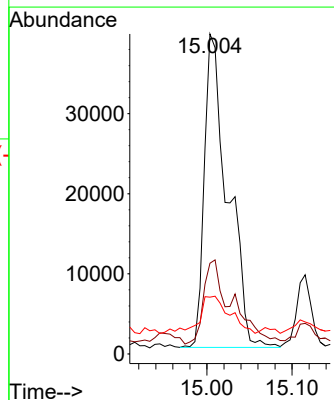
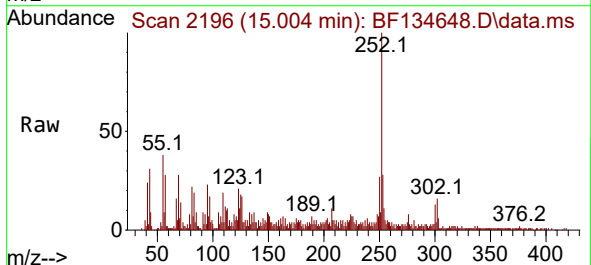
Instrument :
BNA_F
ClientSampleId :
TR-4-080323

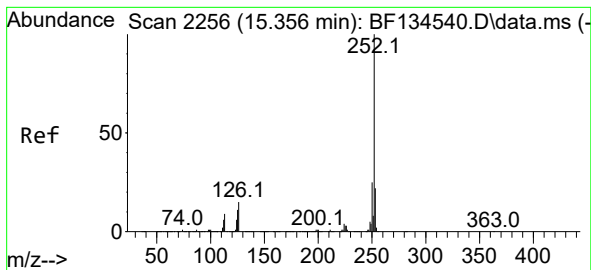
Tgt Ion:252 Resp: 74516
Ion Ratio Lower Upper
252 100
253 28.4 17.3 25.9#
125 17.7 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 3.527 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134648.D
Acq: 07 Aug 2023 11:55

Tgt Ion:252 Resp: 74516
Ion Ratio Lower Upper
252 100
253 28.4 17.9 26.9#
125 17.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 2.245 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134648.D

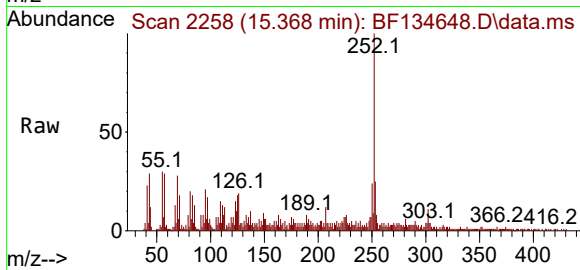
Acq: 07 Aug 2023 11:55

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



Tgt Ion:252 Resp: 44395

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.4

125 18.0 6.2 9.4#

