

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134556.D
 Acq On : 01 Aug 2023 19:24
 Operator : CG\JU
 Sample : 03645-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 02:45:19 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

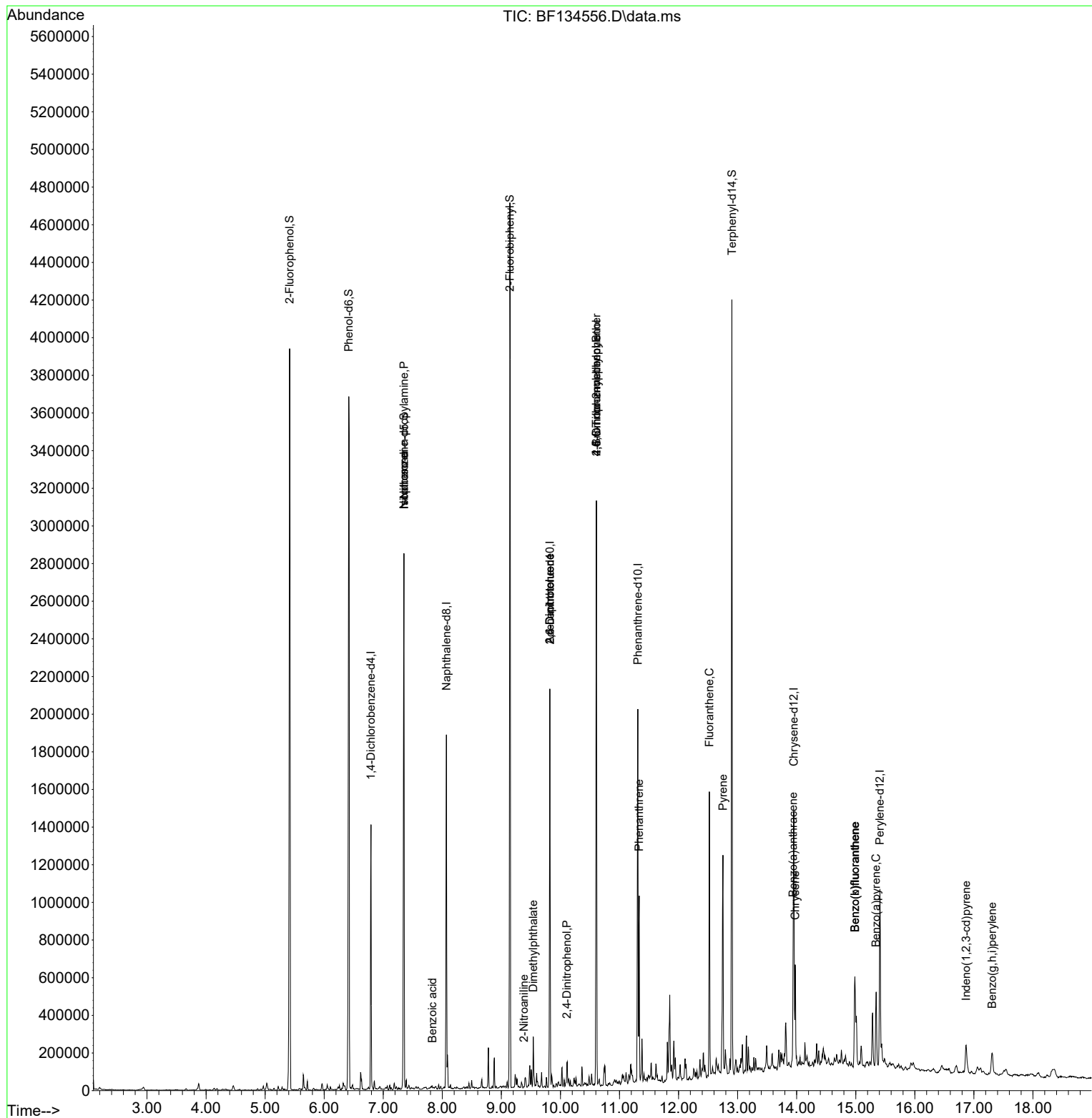
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	186884	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	736666	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	365569	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	647165	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	366423	20.000	ng	#-0.01
86) Perylene-d12	15.410	264	422938	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1163632	94.649	ng	0.00
7) Phenol-d6	6.416	99	1482483	94.331	ng	-0.01
23) Nitrobenzene-d5	7.351	82	856089	72.624	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	357688	95.982	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1445788	65.758	ng	0.00
79) Terphenyl-d14	12.904	244	1355450	65.211	ng	0.00
Target Compounds						
9) Benzaldehyde	6.340	77	3563	Below Cal		Qvalue # 86
19) n-Nitroso-di-n-propyla...	7.351	70	115015	12.223	ng	# 75
25) Isophorone	7.351	82	854498	33.235	ng	# 65
32) Benzoic acid	7.834	122	244	7.894	ng	# 83
48) 2-Nitroaniline	9.380	65	372	3.218	ng	# 8
50) Dimethylphthalate	9.539	163	80947	3.249	ng	# 98
51) 2,6-Dinitrotoluene	9.822	165	49894	11.761	ng	# 17
54) 2,4-Dinitrophenol	10.110	184	321	6.992	ng	# 9
57) 2,4-Dinitrotoluene	9.822	165	49894	10.462	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1006	9.014	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	22654	3.198	ng	# 1
71) Phenanthrene	11.333	178	345926	10.063	ng	# 99
75) Fluoranthene	12.521	202	536565	14.777	ng	# 97
78) Pyrene	12.751	202	434249	13.696	ng	# 97
81) Benzo(a)anthracene	13.939	228	210211	8.023	ng	# 99
83) Chrysene	13.974	228	209562	8.210	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.868	276	107020	4.302	ng	# 93
88) Benzo(b)fluoranthene	14.986	252	371565	14.405	ng	# 97
89) Benzo(k)fluoranthene	14.986	252	371565	14.460	ng	# 98
90) Benzo(a)pyrene	15.345	252	186837	7.769	ng	# 95
92) Benzo(g,h,i)perylene	17.309	276	96200	4.691	ng	# 91

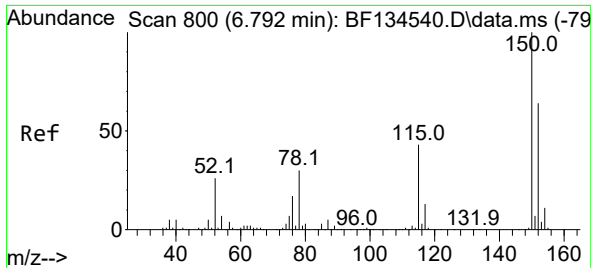
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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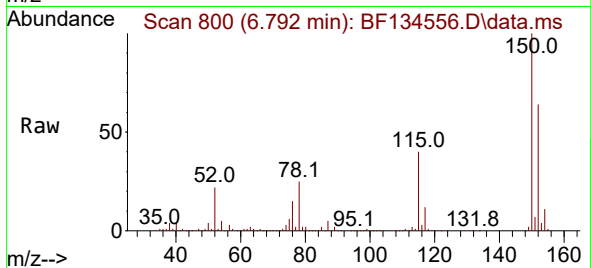
Quant Time: Aug 02 02:45:19 2023
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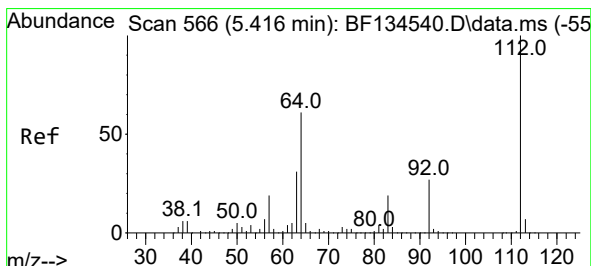
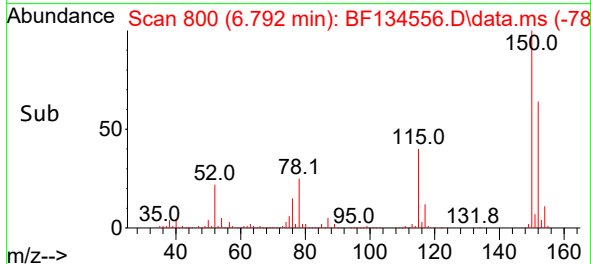
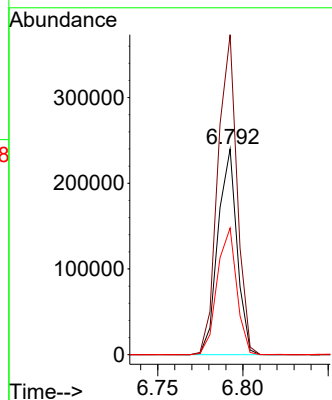


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Instrument :
BNA_F
ClientSampleId :

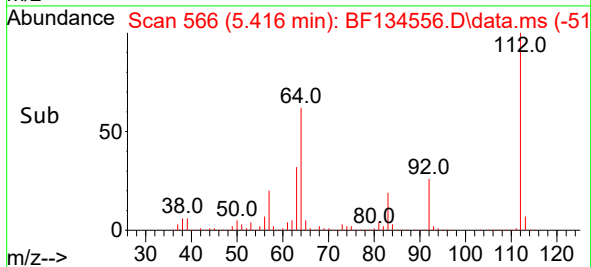
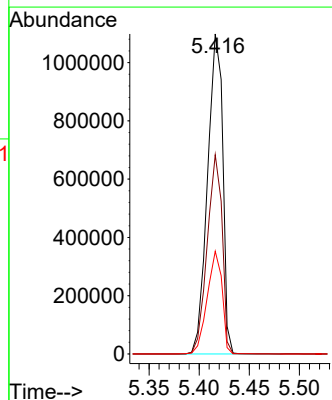
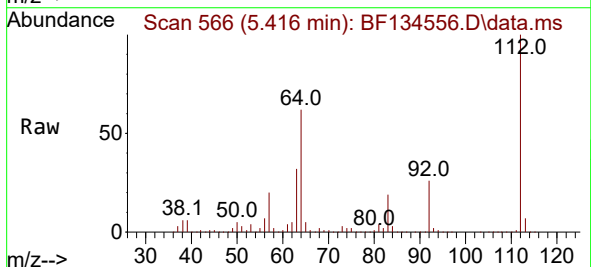


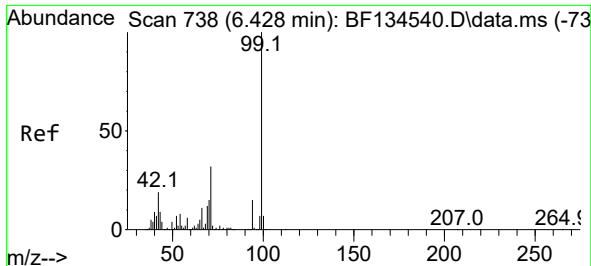
Tgt Ion:152 Resp: 186884
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 61.6 52.4 78.6



#5
2-Fluorophenol
Concen: 94.649 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:112 Resp: 1163632
Ion Ratio Lower Upper
112 100
64 62.3 44.9 67.3
63 32.1 25.4 38.0

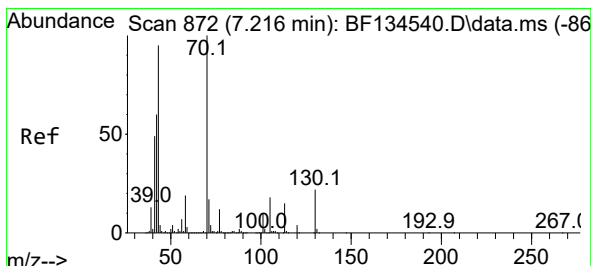
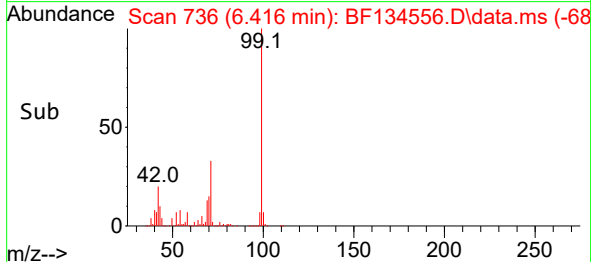
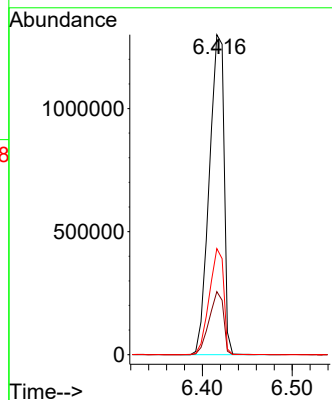
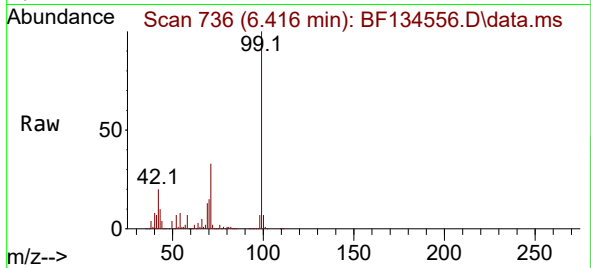




#7
Phenol-d6
Concen: 94.331 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

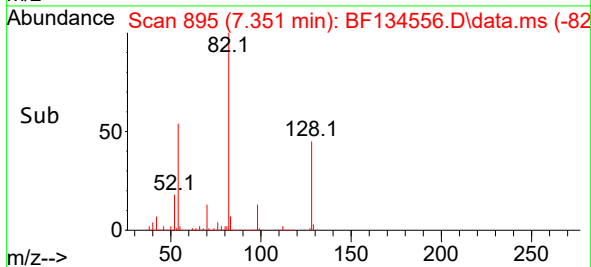
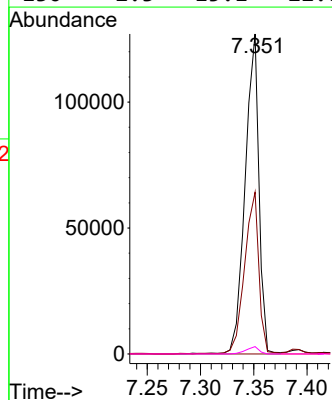
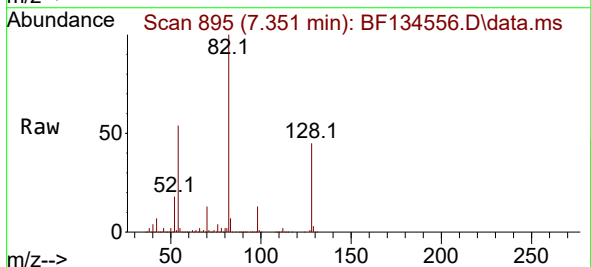
Instrument :
BNA_F
ClientSampleId :

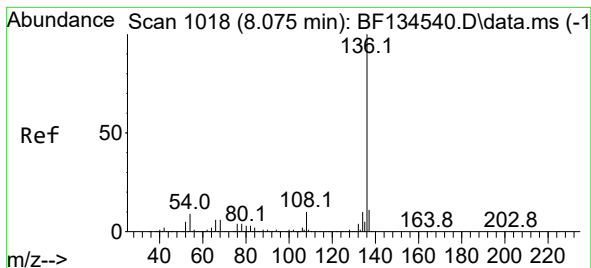
Tgt Ion: 99 Resp: 1482483
Ion Ratio Lower Upper
99 100
42 19.7 18.7 28.1
71 33.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.223 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion: 70 Resp: 115015
Ion Ratio Lower Upper
70 100
42 50.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

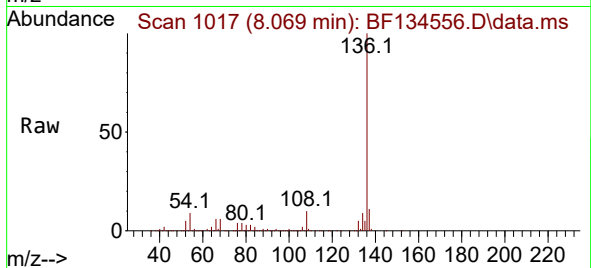
Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 736666

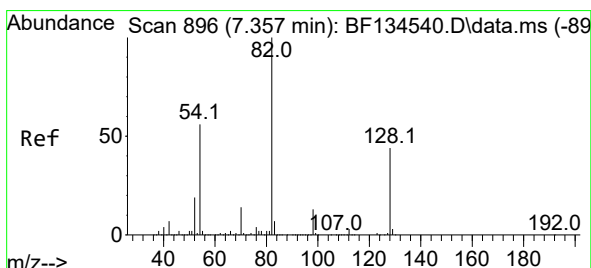
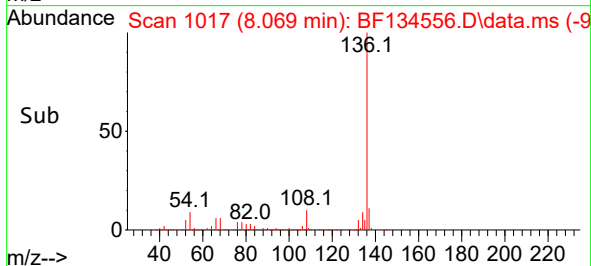
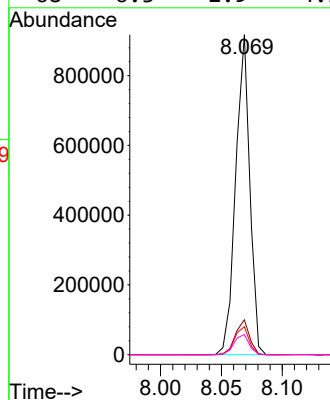
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.7 5.2 7.8#

68 6.3 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 72.624 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

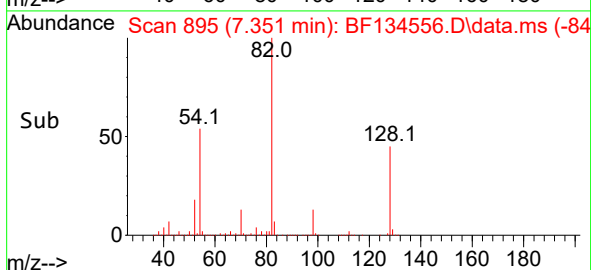
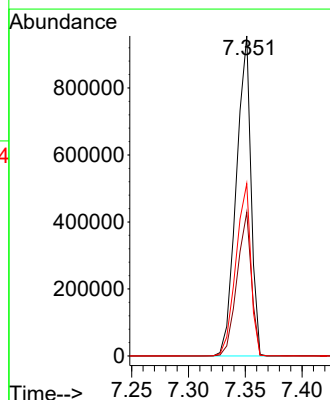
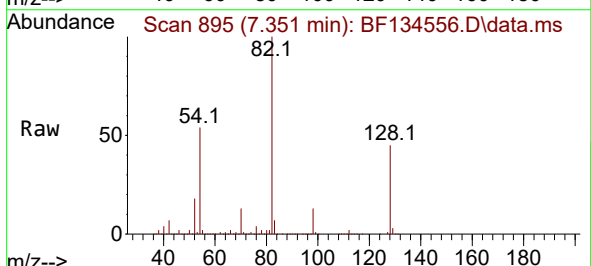
Tgt Ion: 82 Resp: 856089

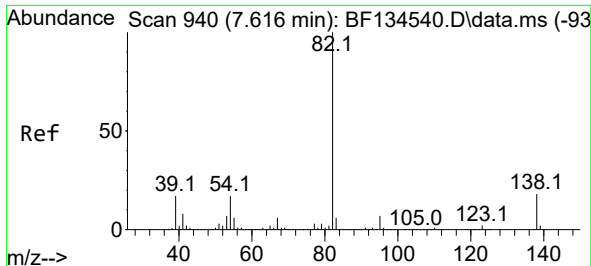
Ion Ratio Lower Upper

82 100

128 44.9 34.3 51.5

54 53.8 43.8 65.6

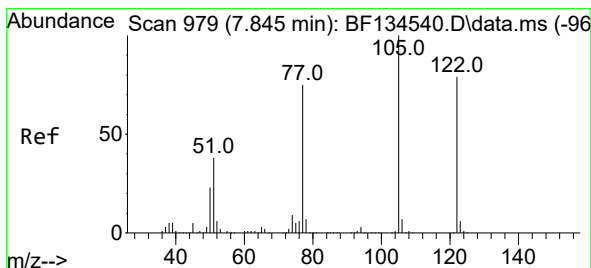
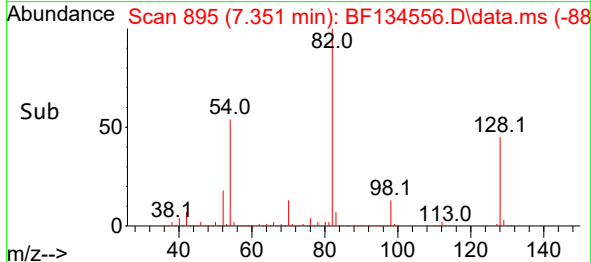
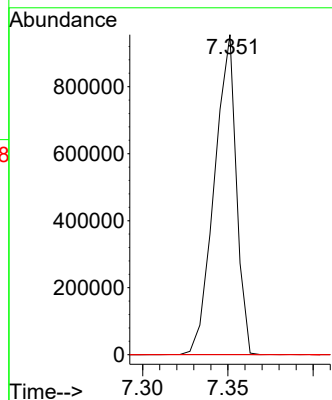
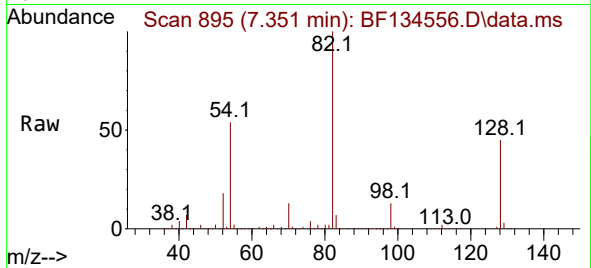




#25
Isophorone
Concen: 33.235 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

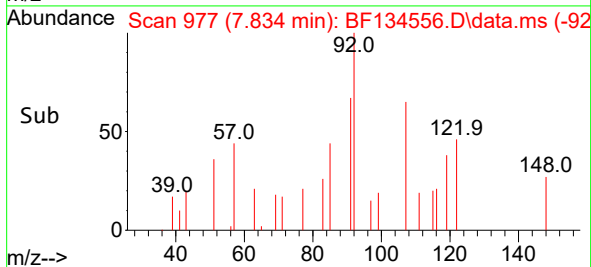
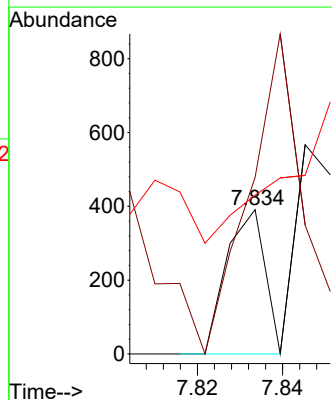
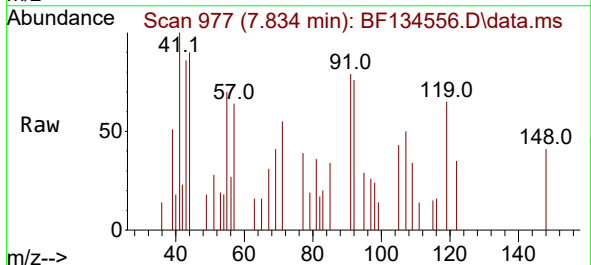
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BNA_F
ClientSampleId :

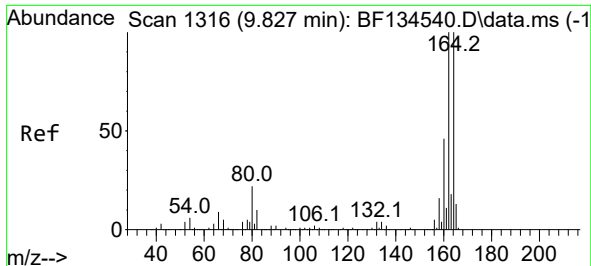
Tgt Ion: 82 Resp: 854498
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.894 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.011 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

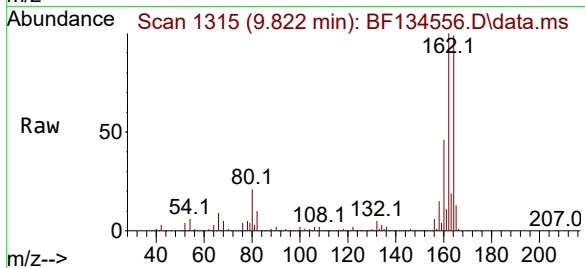
Tgt Ion:122 Resp: 244
Ion Ratio Lower Upper
122 100
105 122.3 87.5 127.5
77 110.0 71.4 111.4



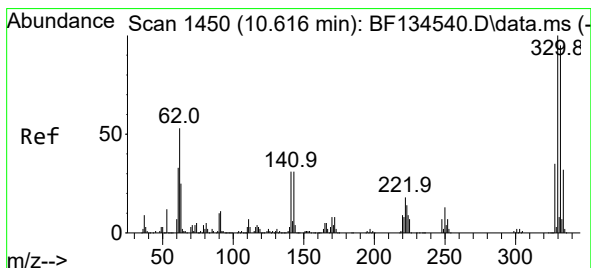
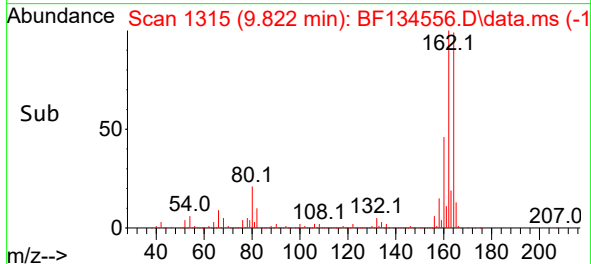
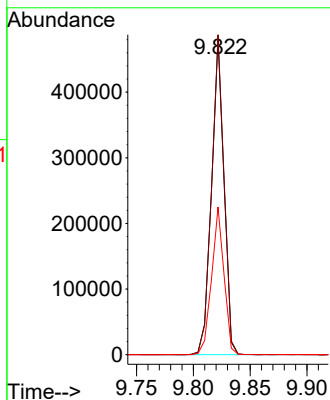


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Instrument :
BNA_F
ClientSampleId :

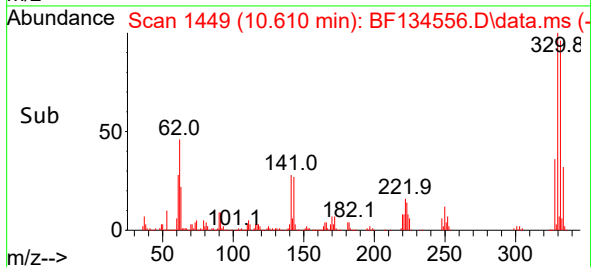
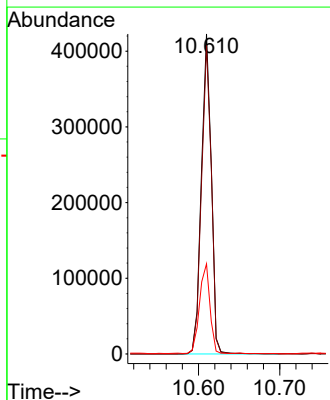
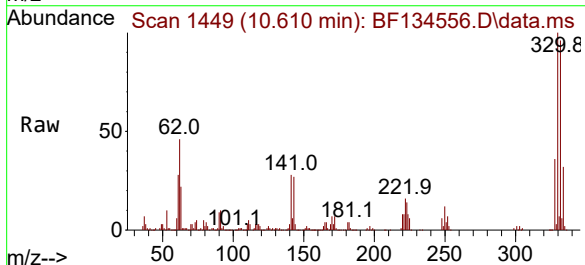


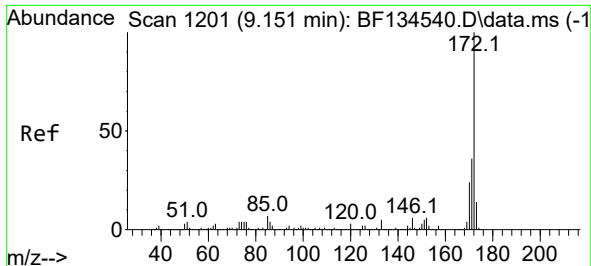
Tgt Ion:164 Resp: 365569
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 95.982 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:330 Resp: 357688
Ion Ratio Lower Upper
330 100
332 96.2 78.8 118.2
141 29.9 25.4 38.2

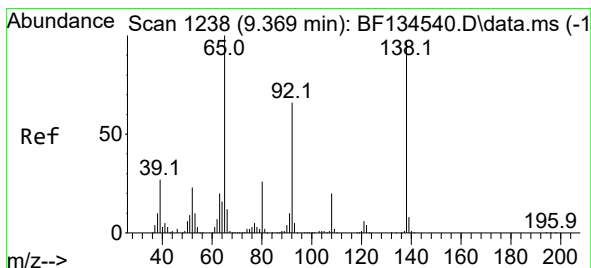
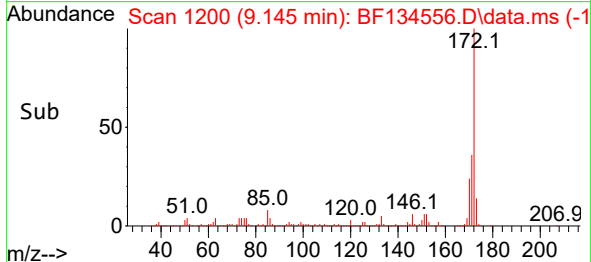
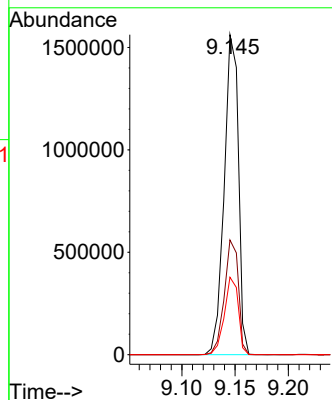
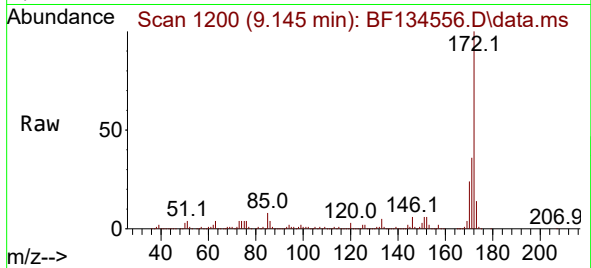




#45
2-Fluorobiphenyl
Concen: 65.758 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

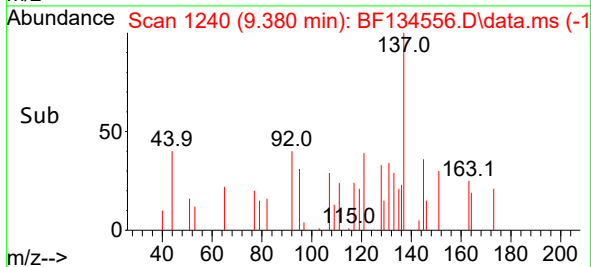
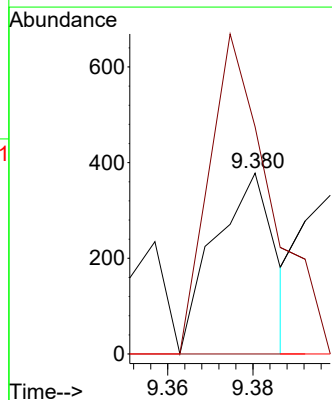
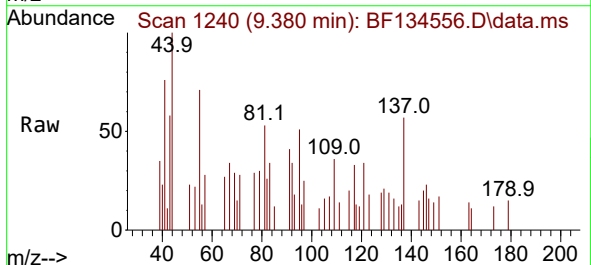
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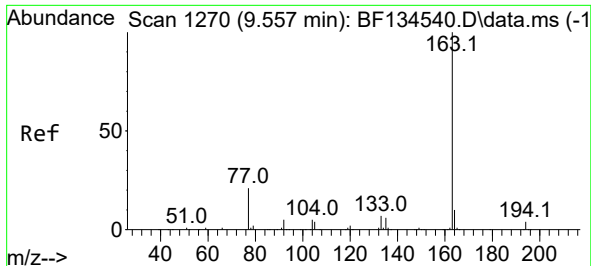
Tgt Ion:172 Resp: 1445788
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 18.7 28.1



#48
2-Nitroaniline
Concen: 3.218 ng
RT: 9.380 min Scan# 1240
Delta R.T. 0.011 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

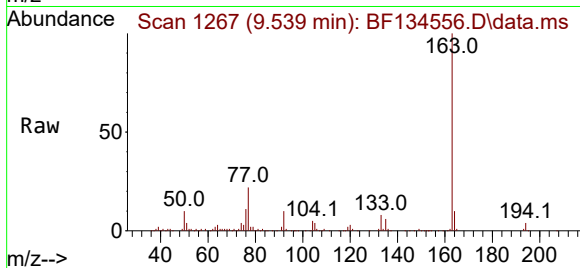
Tgt Ion: 65 Resp: 372
Ion Ratio Lower Upper
65 100
92 125.7 50.7 76.1#
138 0.0 78.2 117.4#



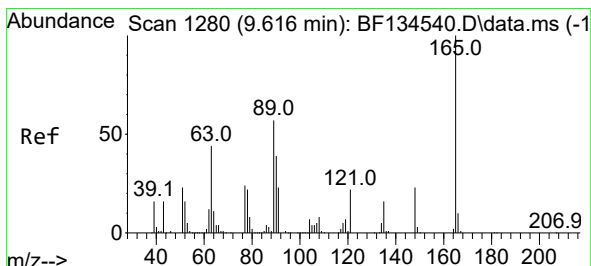
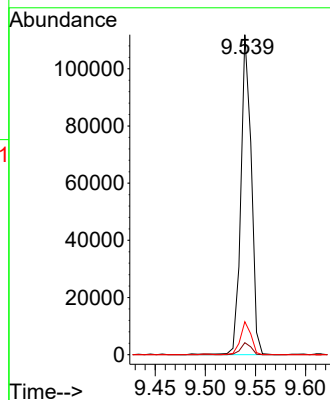
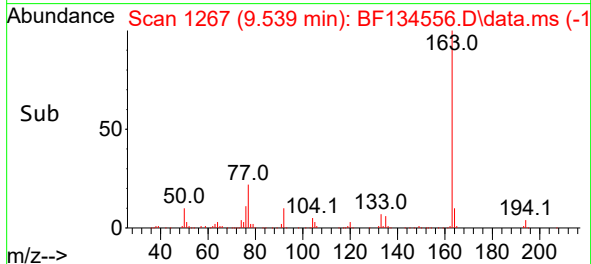


#50
 Dimethylphthalate
 Concen: 3.249 ng
 RT: 9.539 min Scan# 1315
 Delta R.T. -0.018 min
 Lab File: BF134556.D
 Acq: 01 Aug 2023 19:24

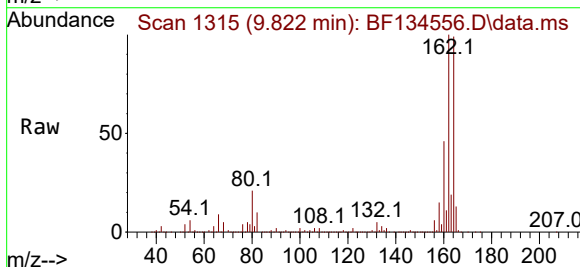
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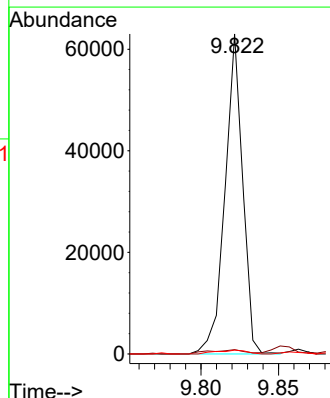
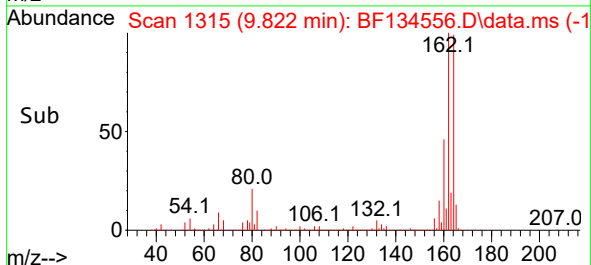
Tgt Ion:163 Resp: 80947
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.3 4.9
 164 10.3 7.5 11.3

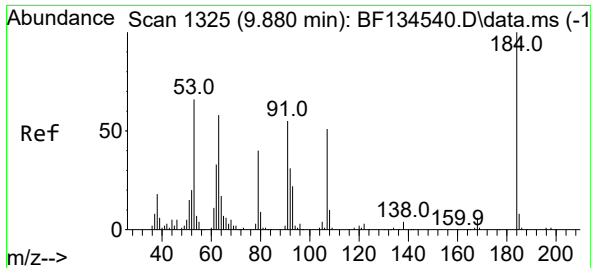


#51
 2,6-Dinitrotoluene
 Concen: 11.761 ng
 RT: 9.822 min Scan# 1315
 Delta R.T. 0.206 min
 Lab File: BF134556.D
 Acq: 01 Aug 2023 19:24



Tgt Ion:165 Resp: 49894
 Ion Ratio Lower Upper
 165 100
 63 1.3 57.8 86.6#
 89 1.2 51.8 77.8#

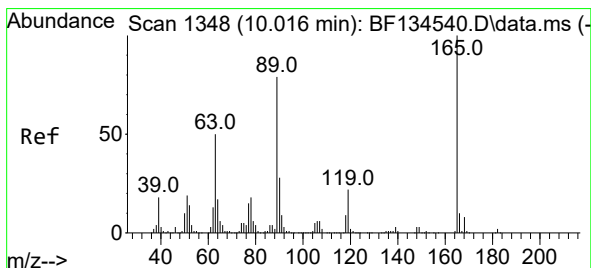
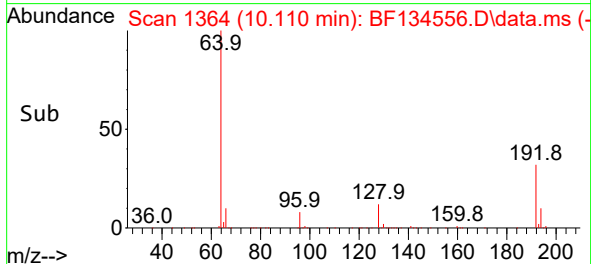
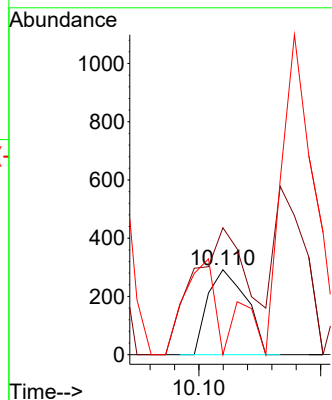
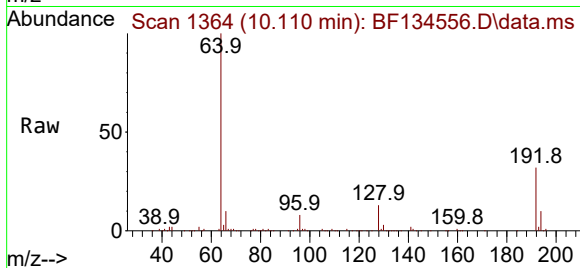




#54
2,4-Dinitrophenol
Concen: 6.992 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.230 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

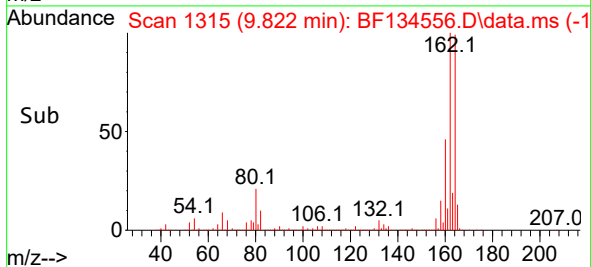
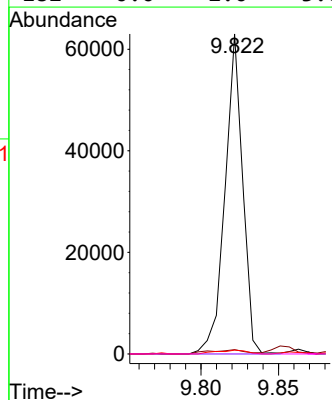
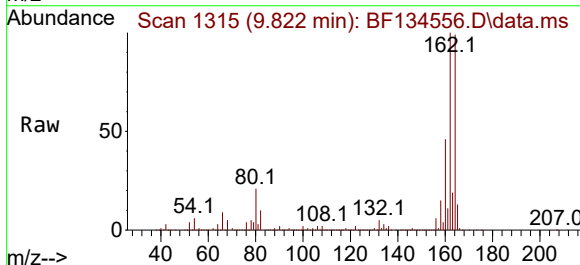
Instrument :
BNA_F
ClientSampleId :

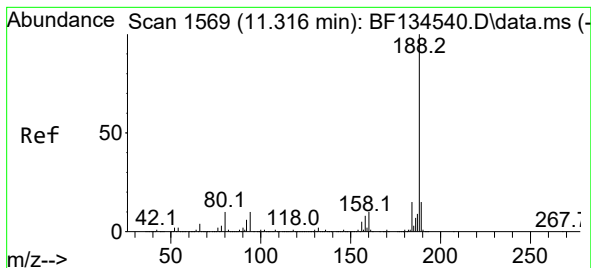
Tgt Ion:184 Resp: 321
Ion Ratio Lower Upper
184 100
63 149.3 57.1 85.7#
154 0.0 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.462 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:165 Resp: 49894
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

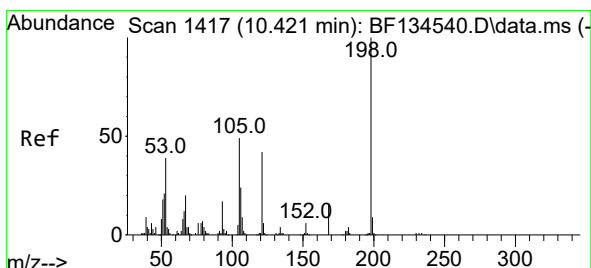
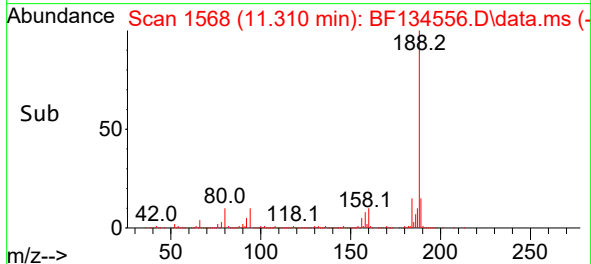
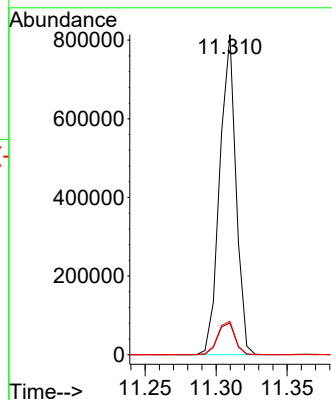
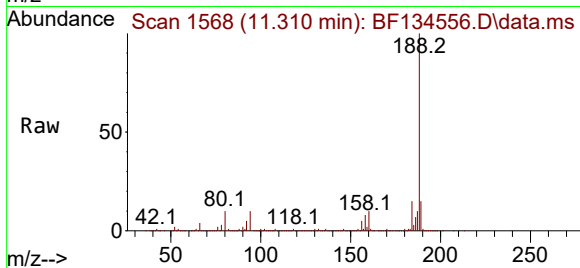
Tgt Ion:188 Resp: 647165

Ion Ratio Lower Upper

188 100

94 9.9 5.1 7.7#

80 10.4 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.014 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.189 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

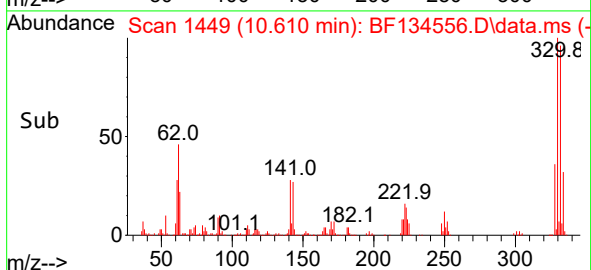
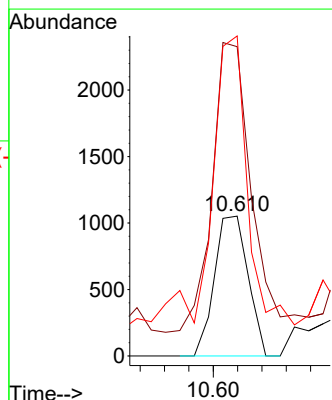
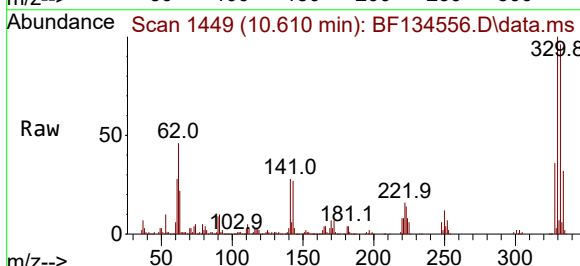
Tgt Ion:198 Resp: 1006

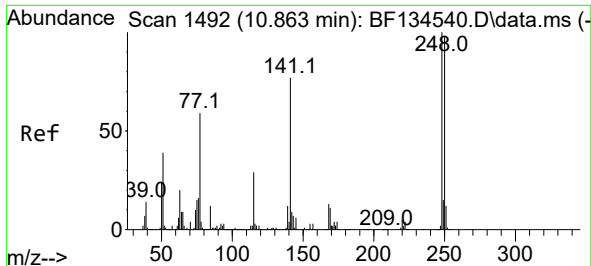
Ion Ratio Lower Upper

198 100

51 221.2 38.6 78.6#

105 228.8 27.9 67.9#

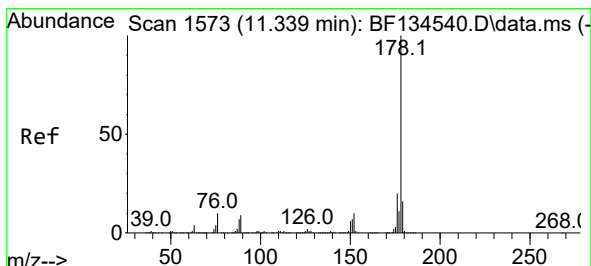
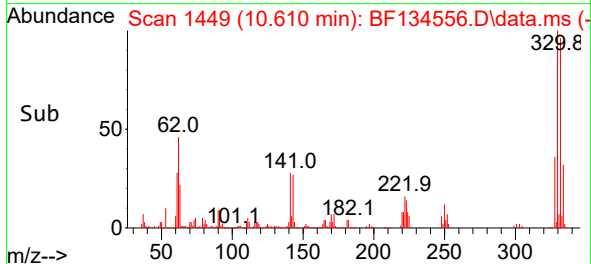
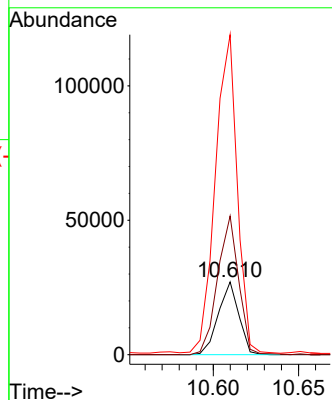
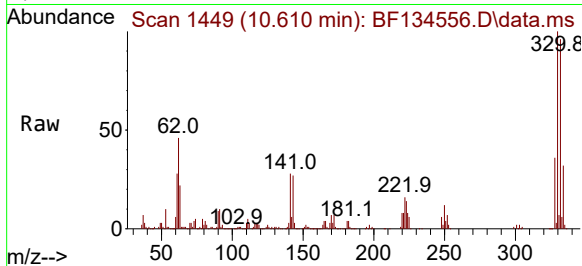




#67
4-Bromophenyl-phenylether
Concen: 3.198 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

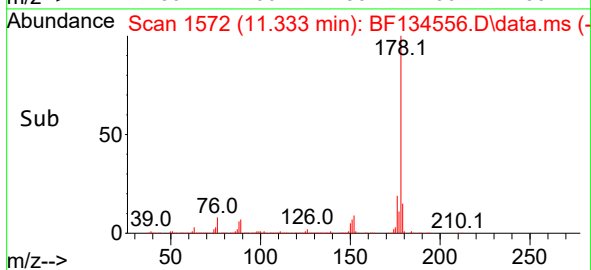
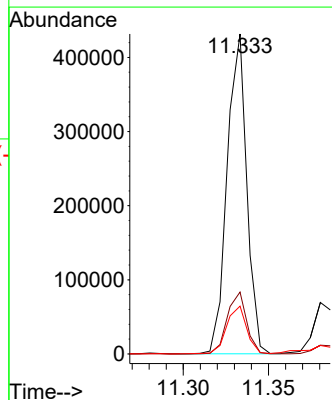
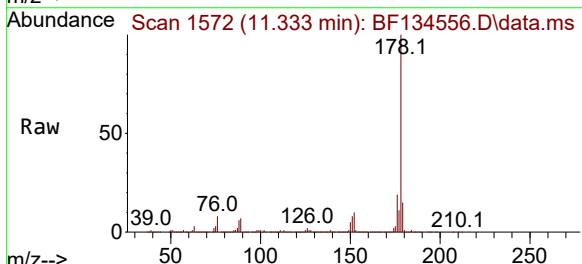
Instrument :
BNA_F
ClientSampleId :

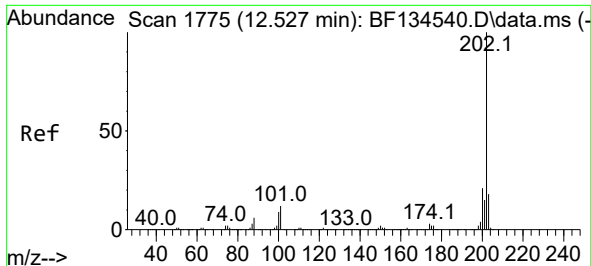
Tgt Ion:248 Resp: 22654
Ion Ratio Lower Upper
248 100
250 190.6 79.6 119.4#
141 439.5 59.6 89.4#



#71
Phenanthrene
Concen: 10.063 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:178 Resp: 345926
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 14.9 12.7 19.1

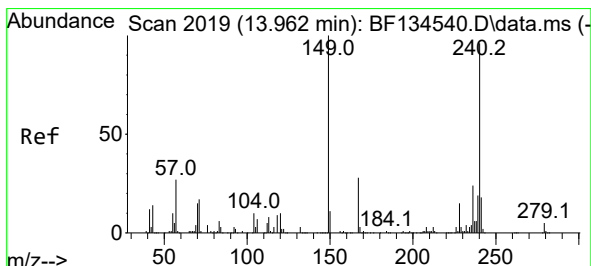
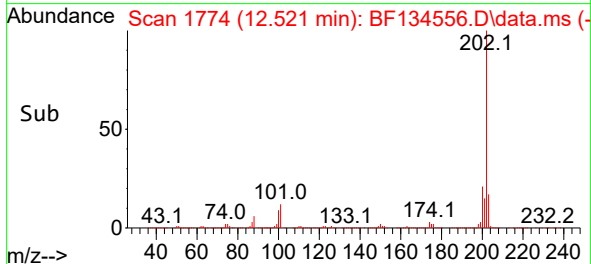
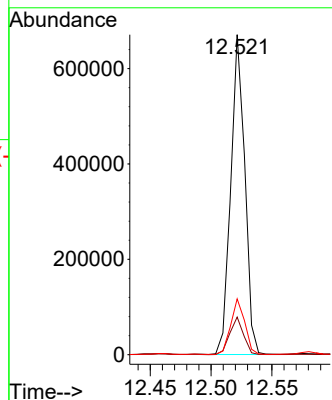
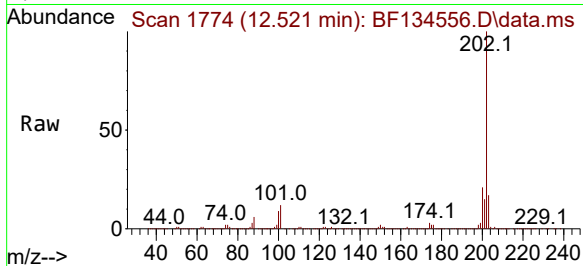




#75
Fluoranthene
Concen: 14.777 ng
RT: 12.521 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

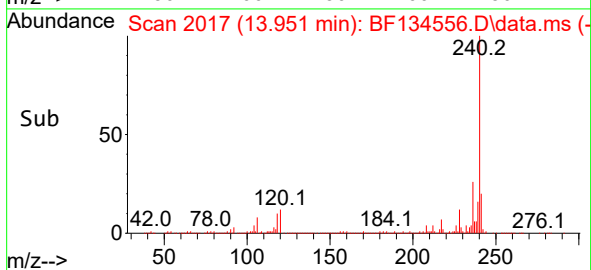
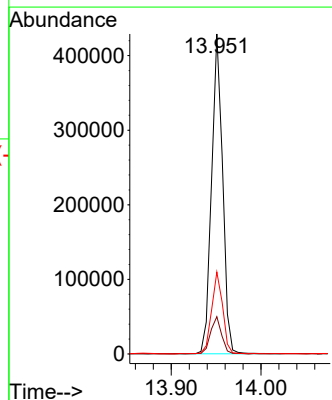
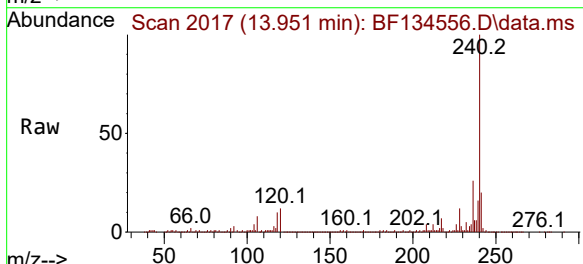
Instrument :
BNA_F
ClientSampleId :

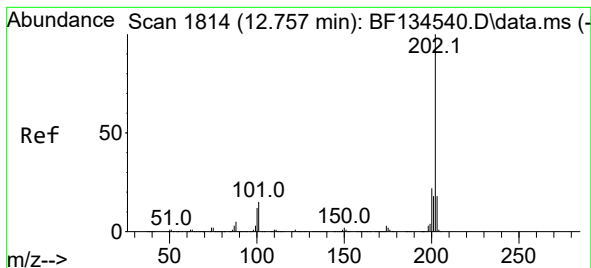
Tgt Ion:202 Resp: 536565
Ion Ratio Lower Upper
202 100
101 11.8 0.0 28.5
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:240 Resp: 366423
Ion Ratio Lower Upper
240 100
120 11.6 6.6 10.0#
236 25.6 20.2 30.2





#78

Pyrene

Concen: 13.696 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

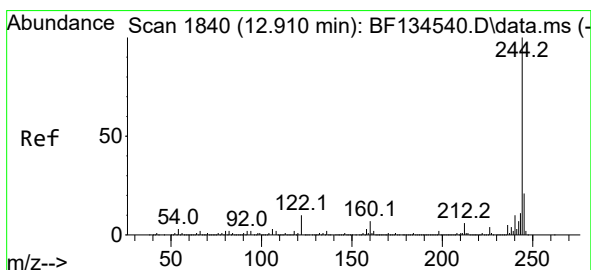
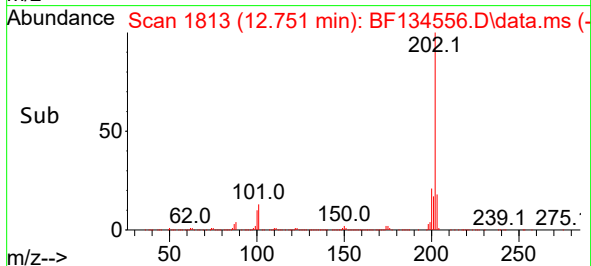
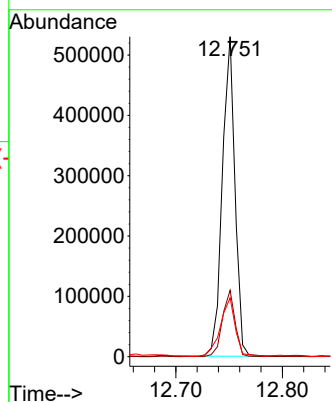
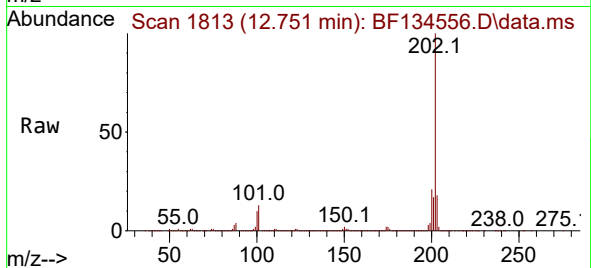
Tgt Ion:202 Resp: 434249

Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 18.4 13.5 20.3



#79

Terphenyl-d14

Concen: 65.211 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

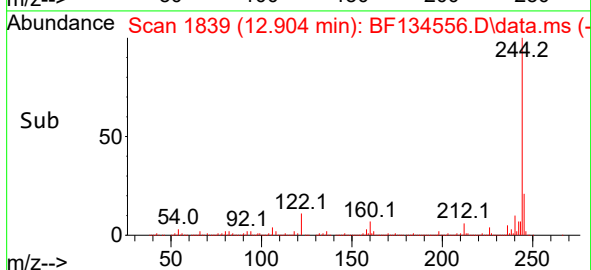
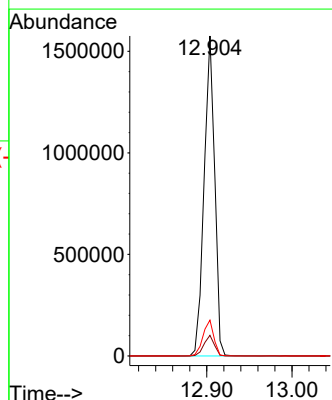
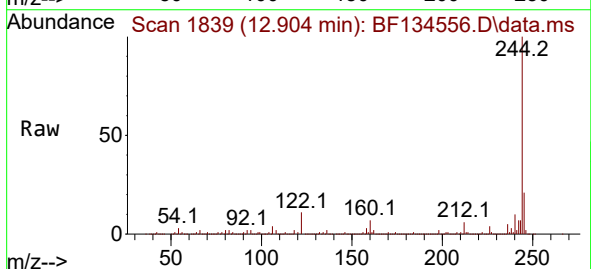
Tgt Ion:244 Resp: 1355450

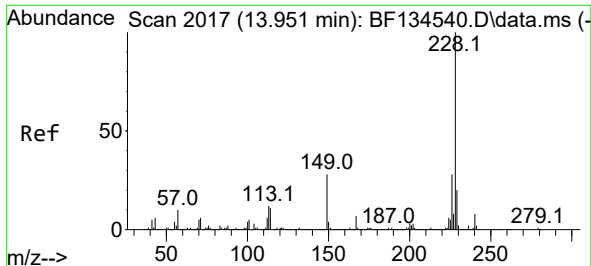
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

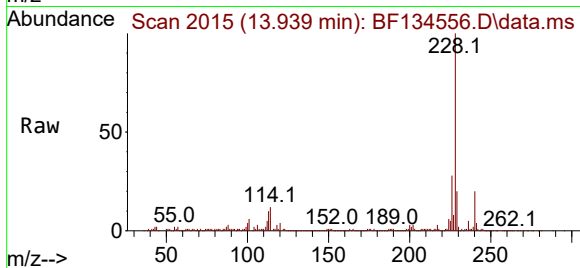
122 11.2 8.0 12.0



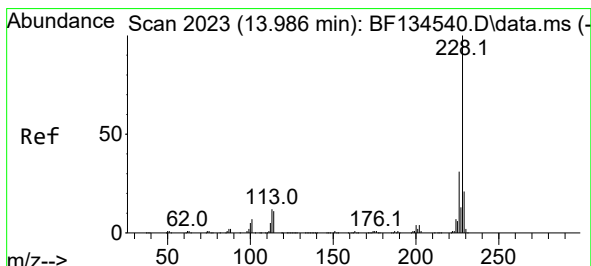
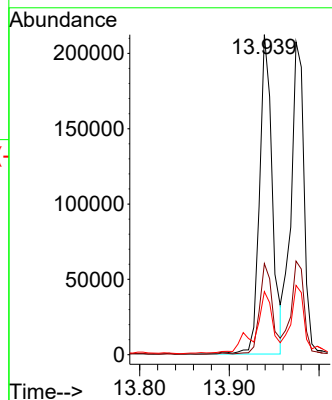
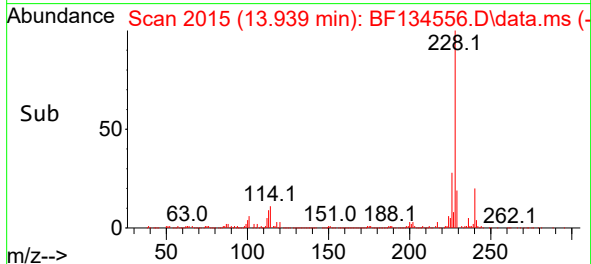


#81
Benzo(a)anthracene
Concen: 8.023 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Instrument :
BNA_F
ClientSampleId :

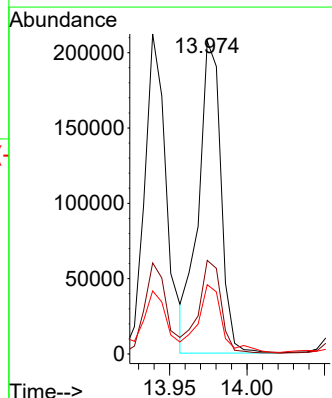
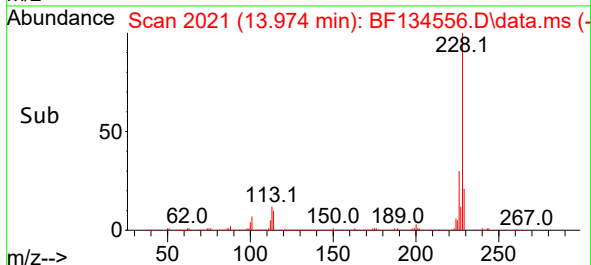
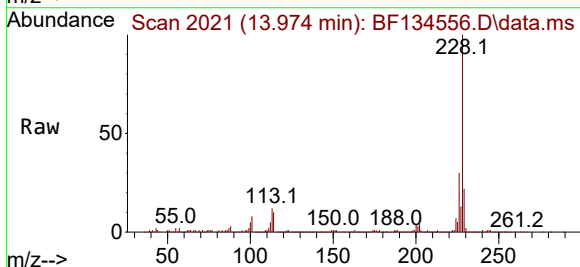


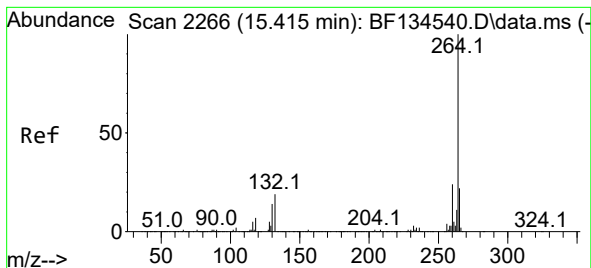
Tgt Ion:228 Resp: 210211
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 19.7 15.8 23.6



#83
Chrysene
Concen: 8.210 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:228 Resp: 209562
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

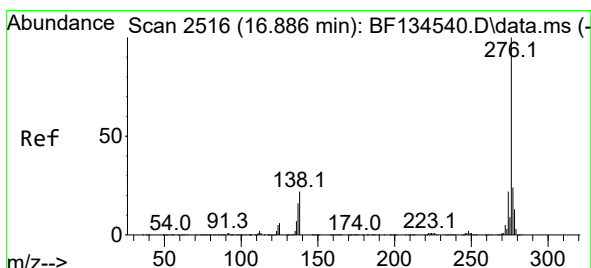
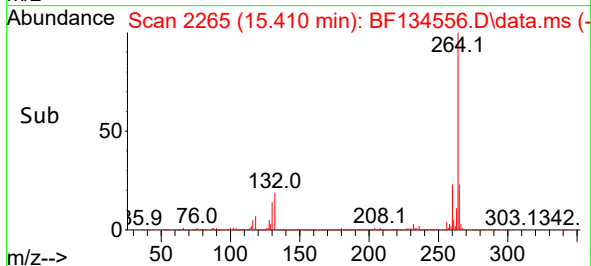
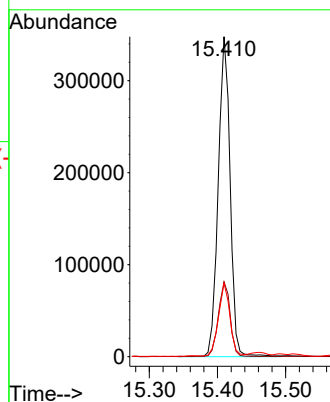
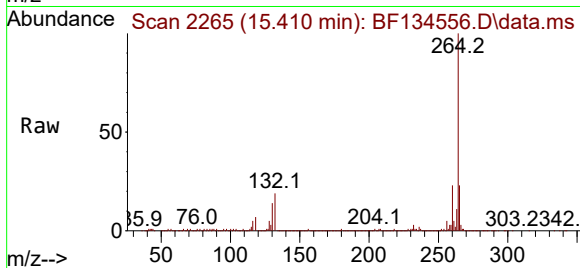
Tgt Ion:264 Resp: 422938

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 23.0 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.302 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

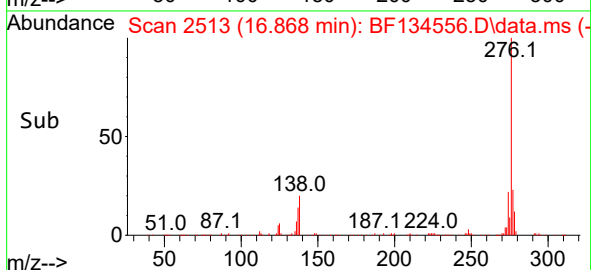
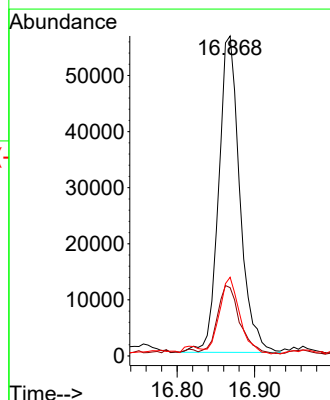
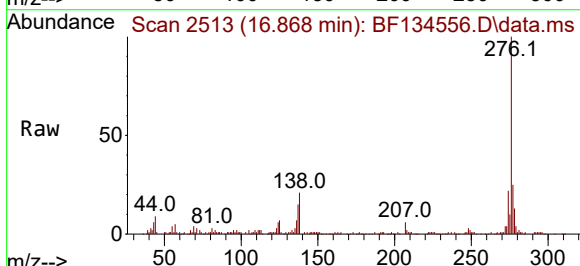
Tgt Ion:276 Resp: 107020

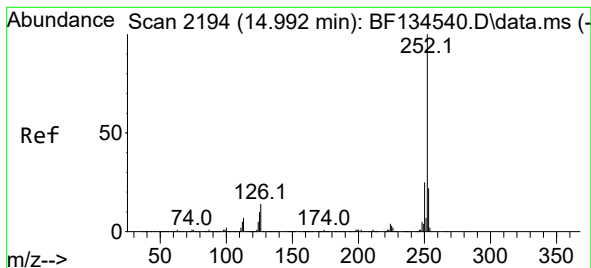
Ion Ratio Lower Upper

276 100

138 23.3 14.2 21.4#

277 23.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 14.405 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

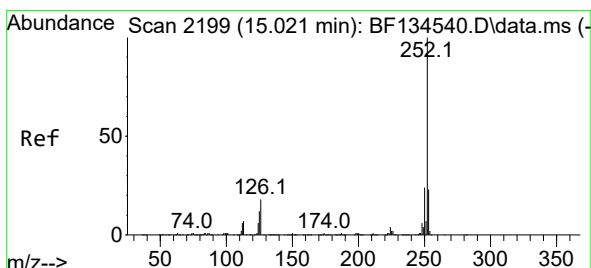
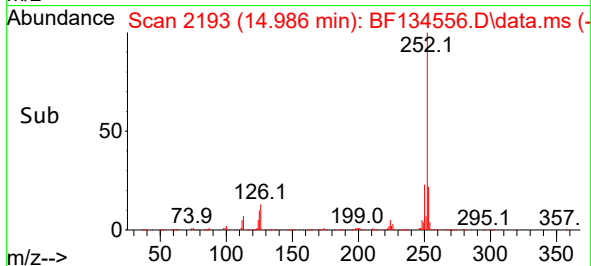
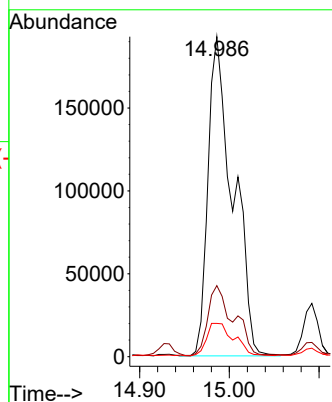
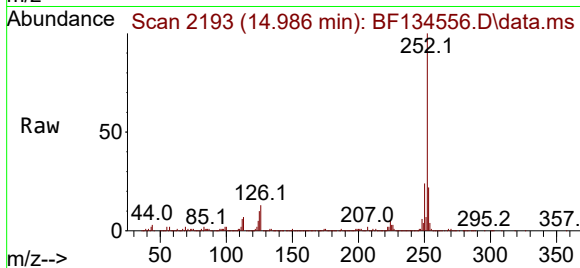
Tgt Ion:252 Resp: 371565

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 10.4 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 14.460 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

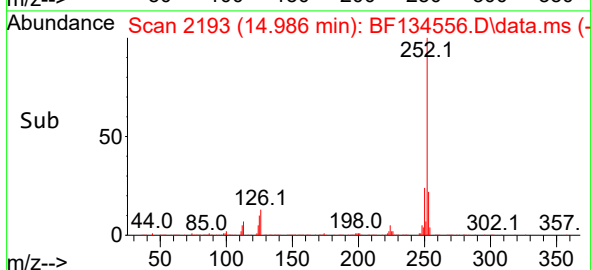
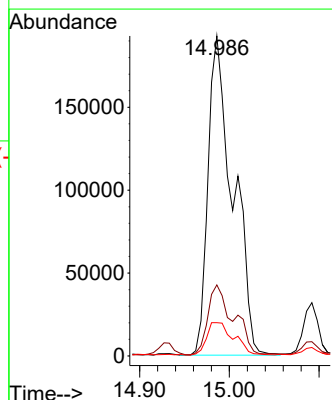
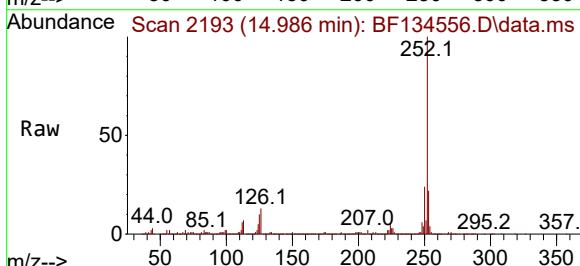
Tgt Ion:252 Resp: 371565

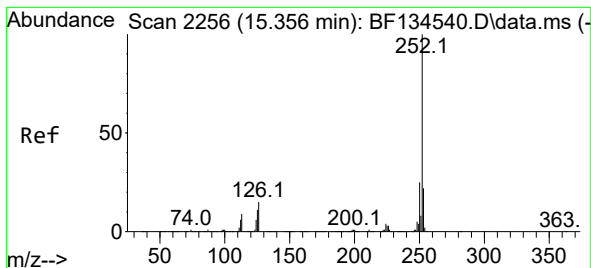
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 10.4 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 7.769 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.012 min

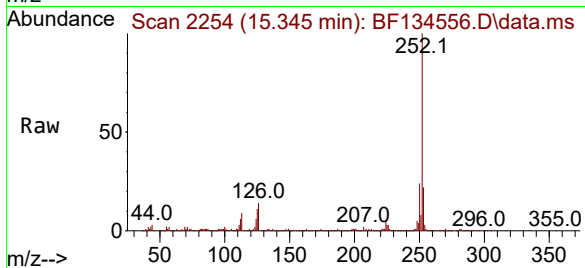
Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :



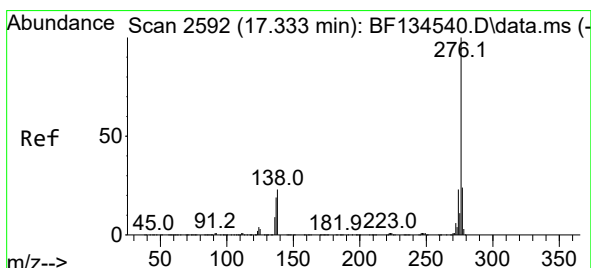
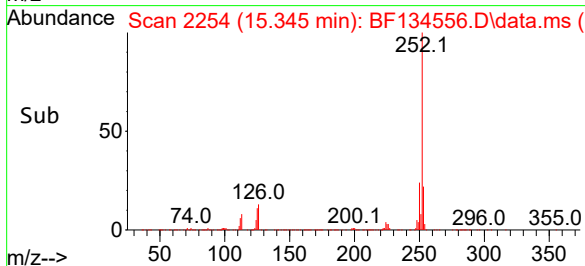
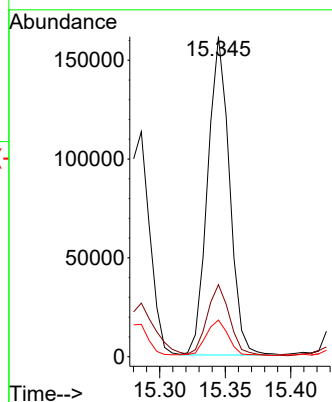
Tgt Ion:252 Resp: 186837

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.4 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 4.691 ng

RT: 17.309 min Scan# 2588

Delta R.T. -0.023 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Tgt Ion:276 Resp: 96200

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 24.0 12.2 18.2#

