

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
 Data File : BF134697.D
 Acq On : 09 Aug 2023 19:02
 Operator : CG\JU
 Sample : 03930-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11935

Quant Time: Aug 10 01:42:27 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)

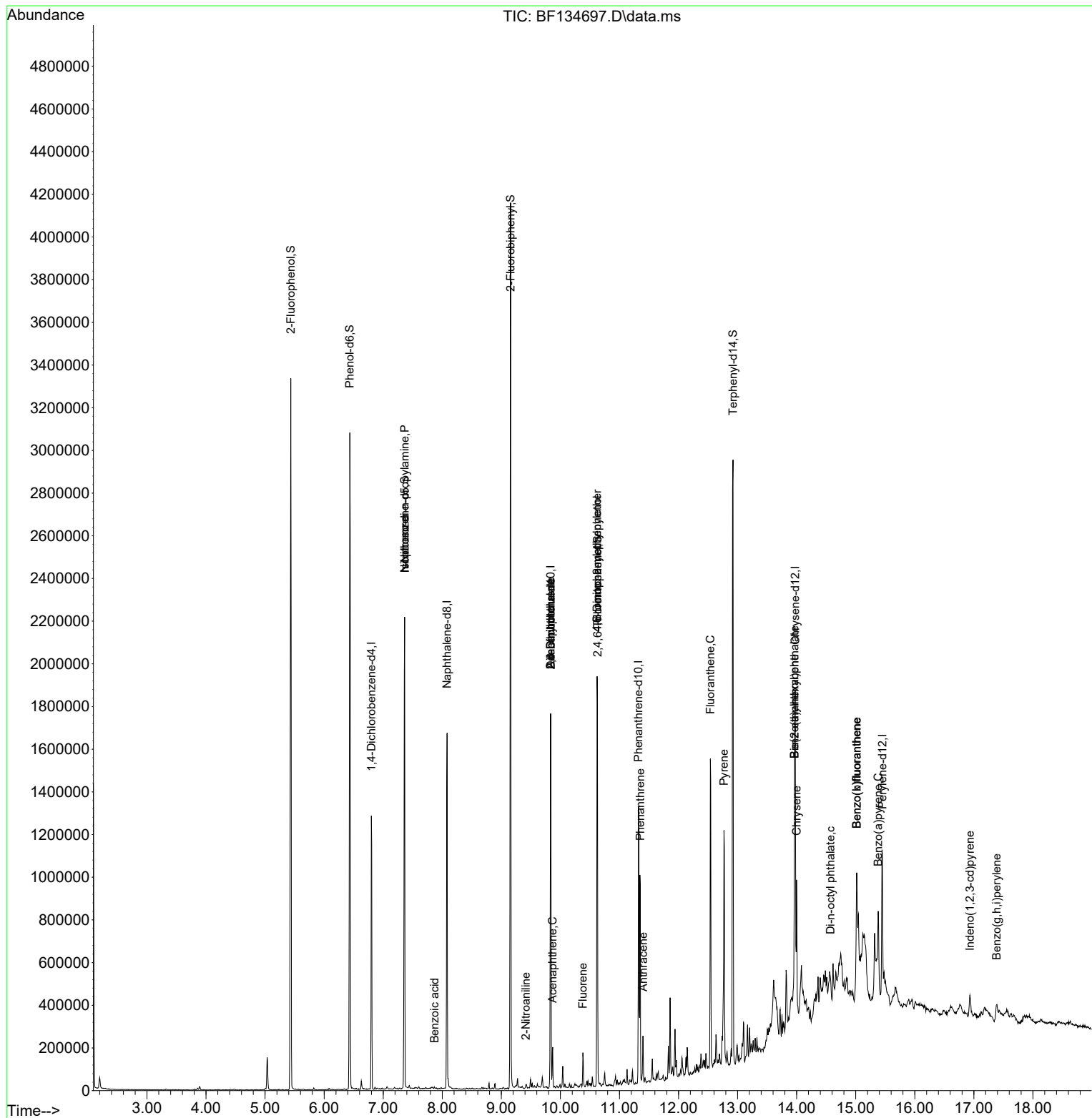
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.799	152	182767	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	706946	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	330803	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493298	20.000	ng	# 0.00
76) Chrysene-d12	13.975	240	393691	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	314142	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	922511	76.727	ng	0.00
7) Phenol-d6	6.434	99	1146482	74.594	ng	0.00
23) Nitrobenzene-d5	7.363	82	691528	61.130	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	252081	74.752	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1225329	61.588	ng	0.00
79) Terphenyl-d14	12.922	244	1041841	46.651	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	426	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.363	70	93996	10.215	ng	# 72
25) Isophorone	7.363	82	684656	27.748	ng	# 65
32) Benzoic acid	7.869	122	148	7.884	ng	# 34
48) 2-Nitroaniline	9.416	65	164	3.192	ng	# 14
50) Dimethylphthalate	9.834	163	70046	3.107	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	42953	11.310	ng	# 17
52) Acenaphthene	9.869	154	40328	2.054	ng	96
57) 2,4-Dinitrotoluene	9.834	165	42901	10.083	ng	# 18
58) Fluorene	10.381	166	41288	2.028	ng	92
65) 4,6-Dinitro-2-methylph...	10.622	198	533	8.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	16011	2.965	ng	# 1
71) Phenanthrene	11.351	178	368060	14.047	ng	98
72) Anthracene	11.398	178	71270	2.663	ng	99
75) Fluoranthene	12.539	202	590935	21.351	ng	96
78) Pyrene	12.769	202	463885	13.617	ng	98
81) Benzo(a)anthracene	13.963	228	251077	8.919	ng	93
83) Chrysene	13.998	228	261394	9.531	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	46121	3.402	ng	99
85) Di-n-octyl phthalate	14.575	149	52330	2.538	ng	# 39
87) Indeno(1,2,3-cd)pyrene	16.933	276	71760	3.884	ng	# 96
88) Benzo(b)fluoranthene	15.016	252	375124	19.579	ng	# 95
89) Benzo(k)fluoranthene	15.016	252	375124	19.655	ng	# 97
90) Benzo(a)pyrene	15.380	252	144480	8.088	ng	# 93
92) Benzo(g,h,i)perylene	17.386	276	65712	4.314	ng	# 88

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

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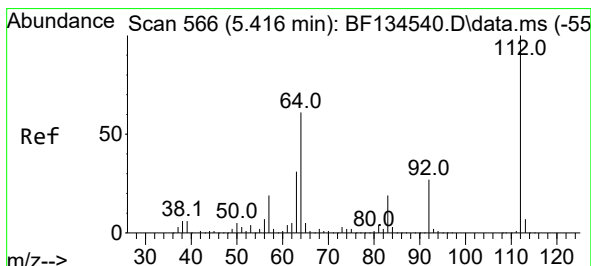
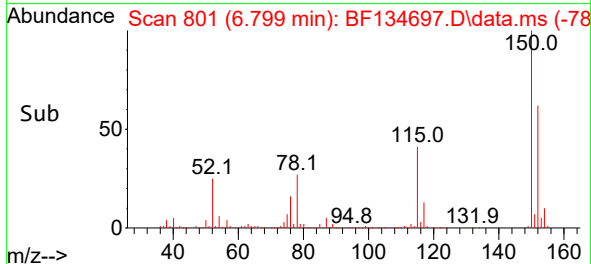
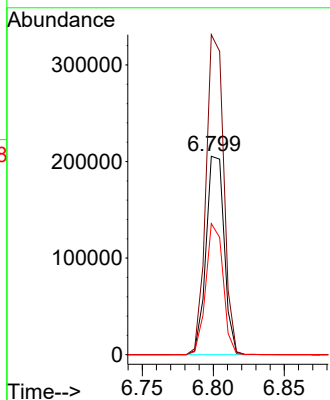
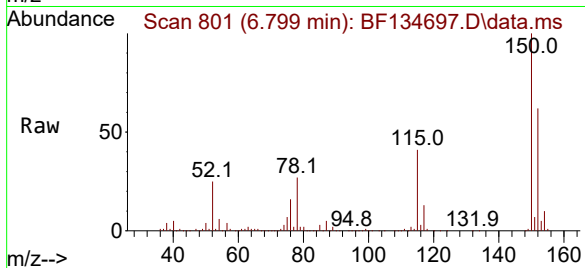




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

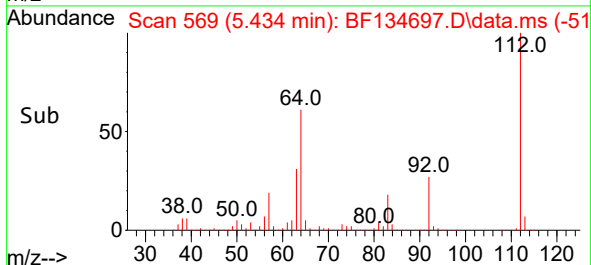
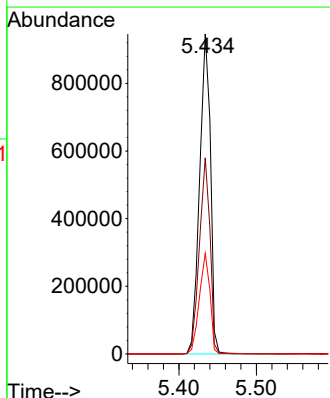
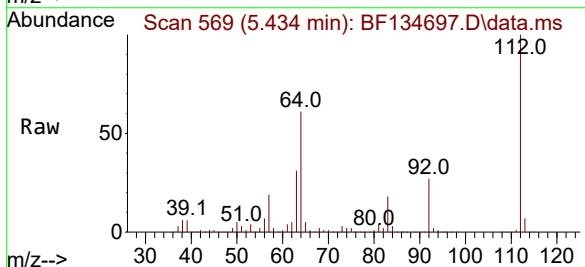
Instrument :
BNA_F
ClientSampleId :
72-11935

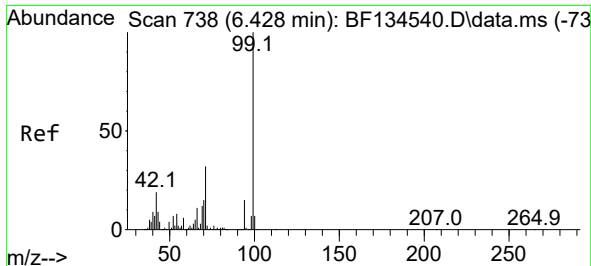
Tgt Ion:152 Resp: 182767
Ion Ratio Lower Upper
152 100
150 161.2 128.3 192.5
115 66.0 52.4 78.6



#5
2-Fluorophenol
Concen: 76.727 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:112 Resp: 922511
Ion Ratio Lower Upper
112 100
64 61.3 44.9 67.3
63 31.4 25.4 38.0

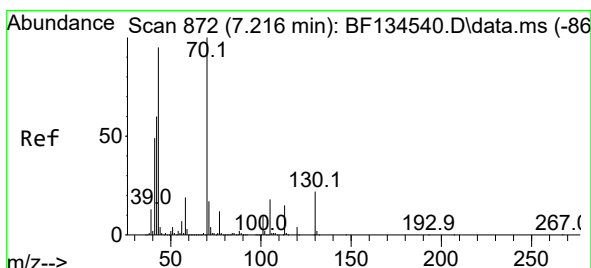
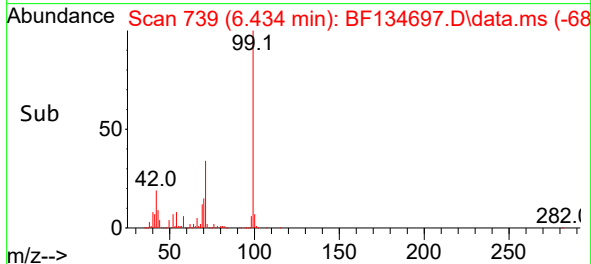
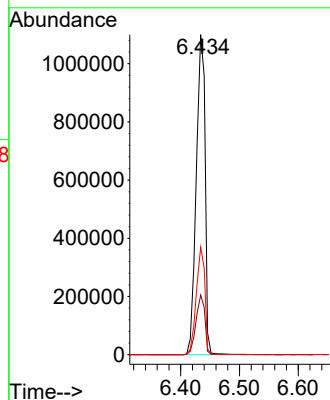
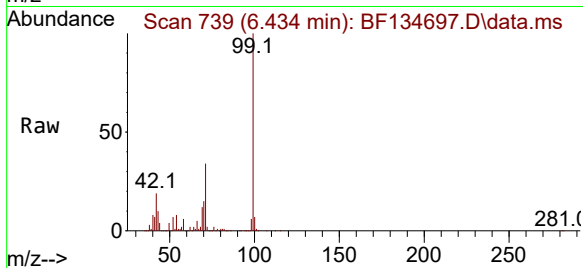




#7
Phenol-d6
Concen: 74.594 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

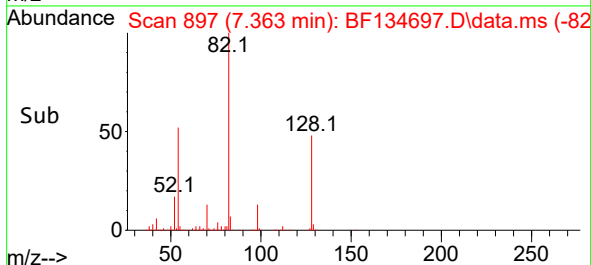
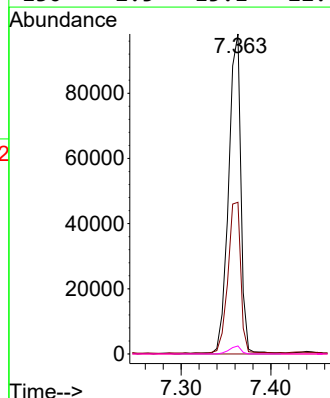
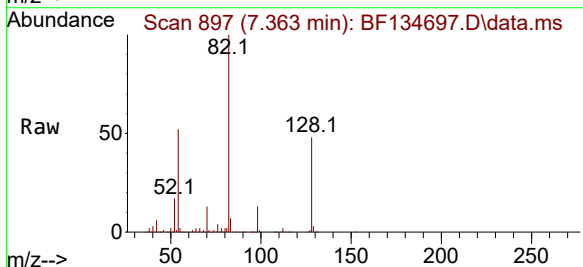
Instrument :
BNA_F
ClientSampleId :
72-11935

Tgt Ion: 99 Resp: 1146482
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 33.6 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.215 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion: 70 Resp: 93996
Ion Ratio Lower Upper
70 100
42 47.4 54.7 82.1#
101 0.0 8.2 12.2#
130 2.5 15.1 22.7#

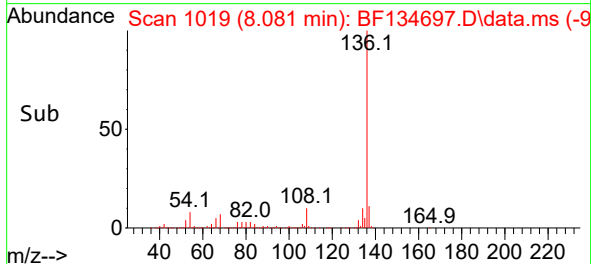
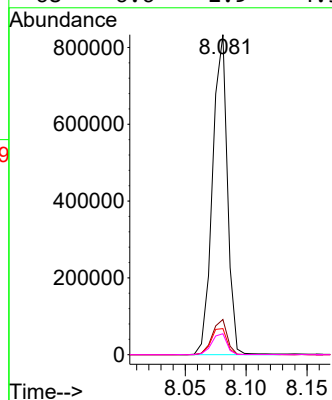
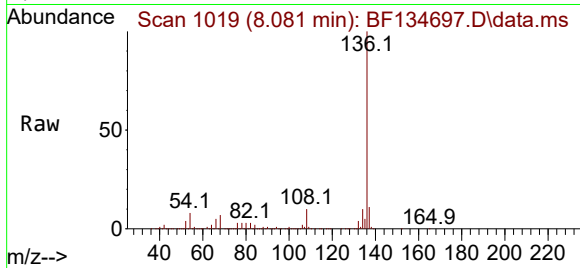




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

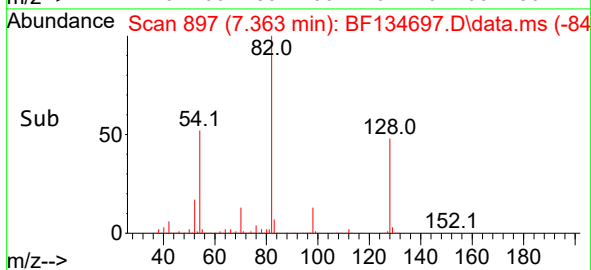
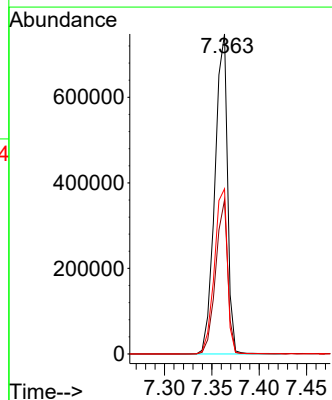
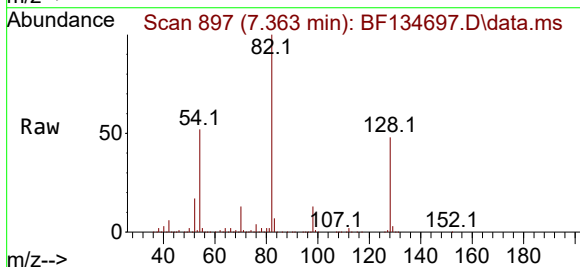
Instrument :
BNA_F
ClientSampleId :
72-11935

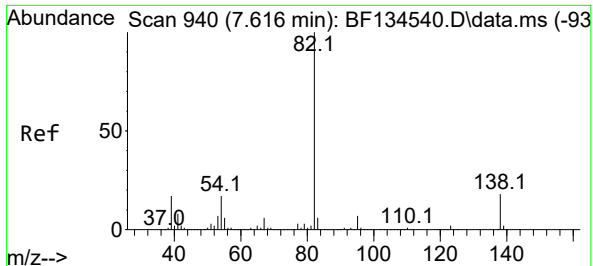
Tgt Ion:136 Resp: 706946
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.2 5.2 7.8#
68 6.6 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 61.130 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion: 82 Resp: 691528
Ion Ratio Lower Upper
82 100
128 48.1 34.3 51.5
54 51.6 43.8 65.6

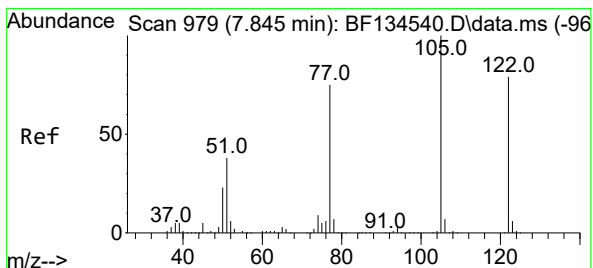
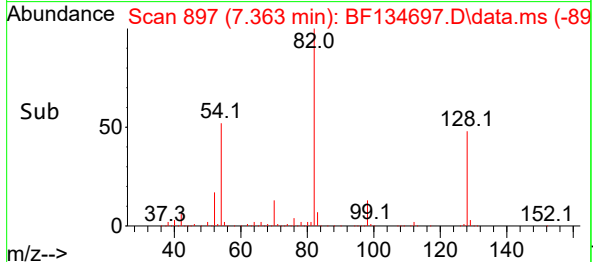
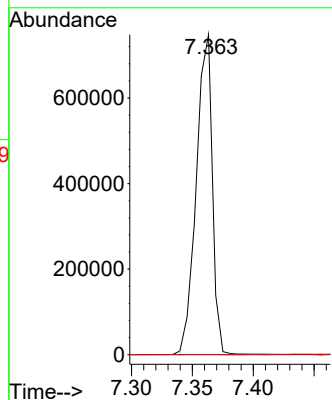
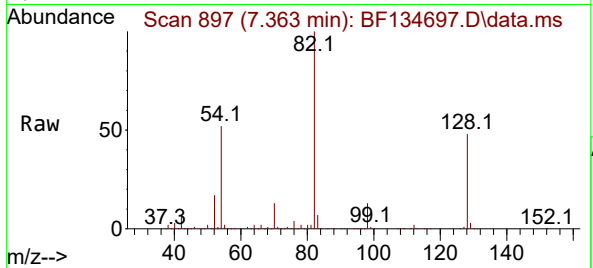




#25
Isophorone
Concen: 27.748 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

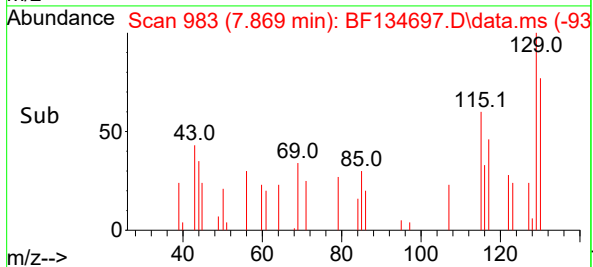
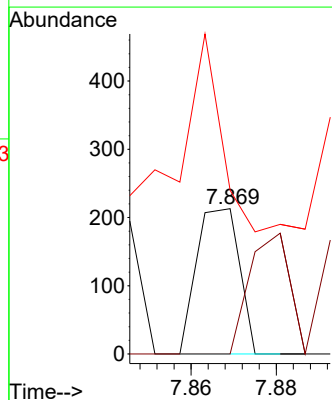
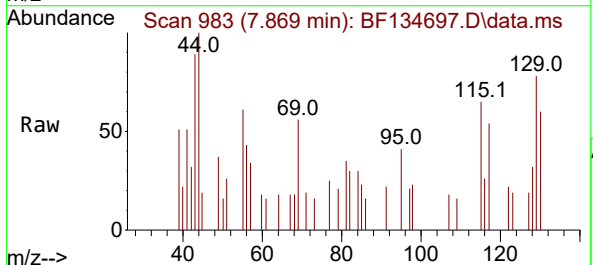
Instrument :
BNA_F
ClientSampleId :
72-11935

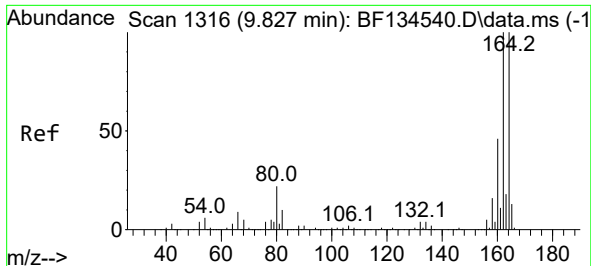
Tgt Ion: 82 Resp: 684656
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:122 Resp: 148
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 112.7 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

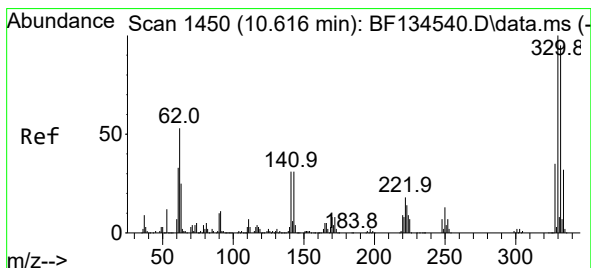
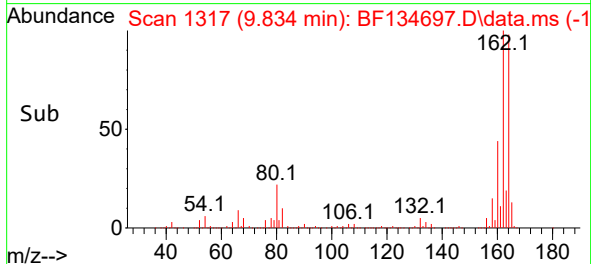
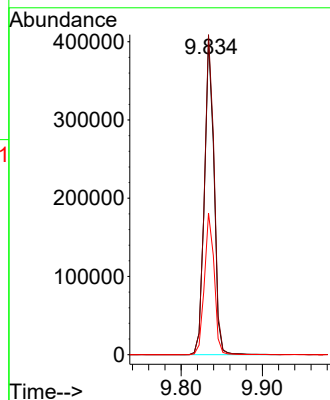
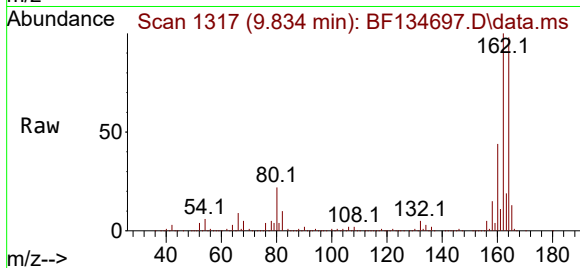
Tgt Ion:164 Resp: 330803

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

160 44.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 74.752 ng

RT: 10.628 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

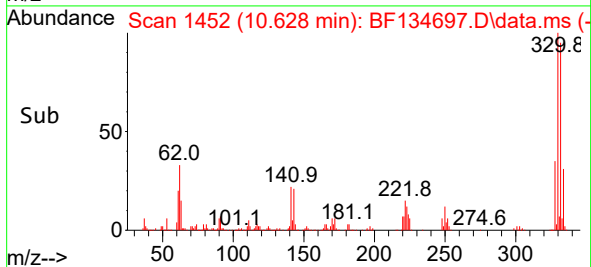
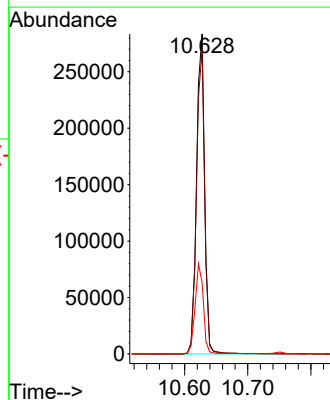
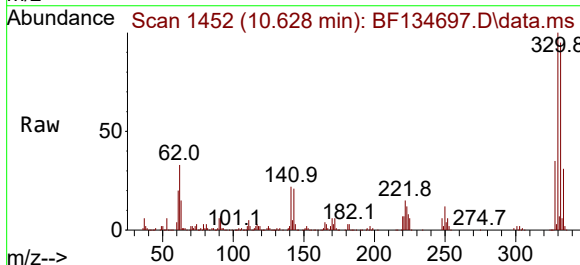
Tgt Ion:330 Resp: 252081

Ion Ratio Lower Upper

330 100

332 95.5 78.8 118.2

141 28.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 61.588 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

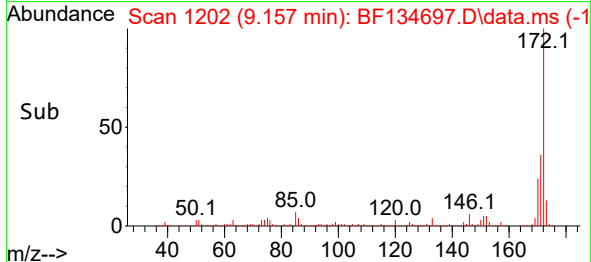
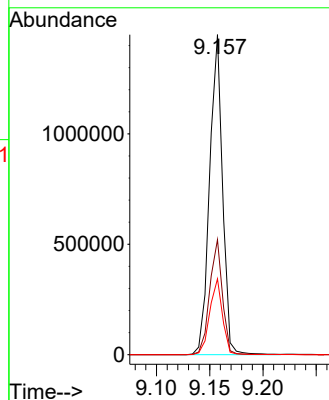
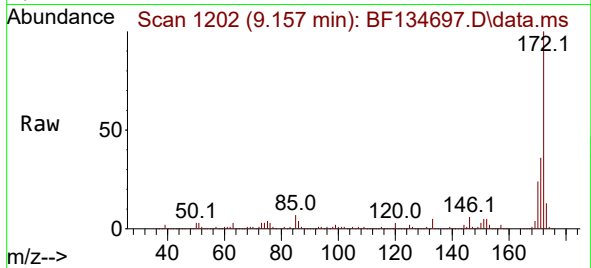
Tgt Ion:172 Resp: 1225329

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.192 ng

RT: 9.416 min Scan# 1246

Delta R.T. 0.036 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

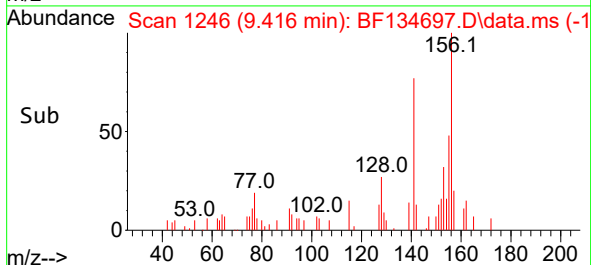
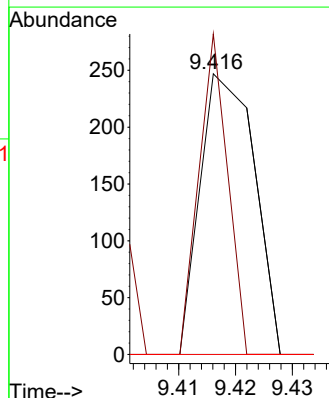
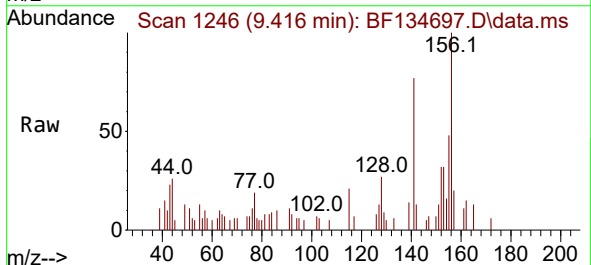
Tgt Ion: 65 Resp: 164

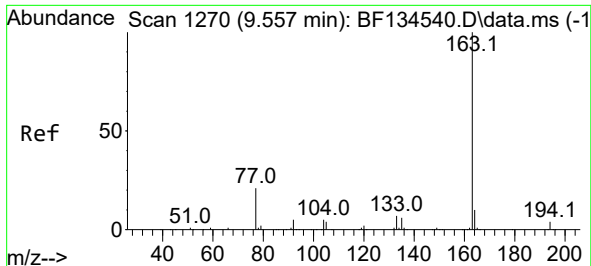
Ion Ratio Lower Upper

65 100

92 114.2 50.7 76.1#

138 0.0 78.2 117.4#

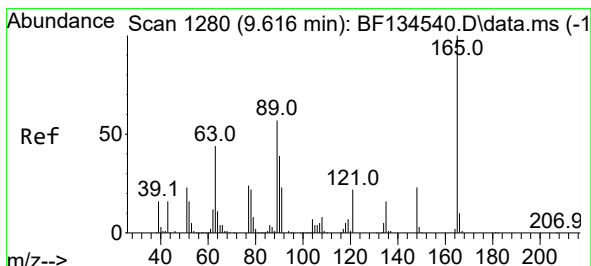
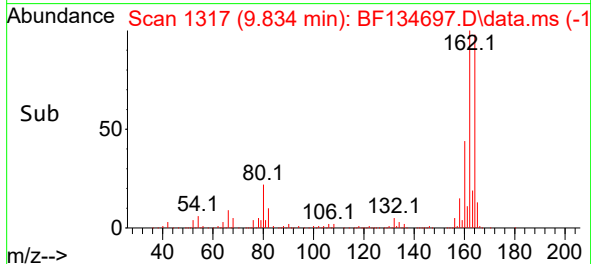
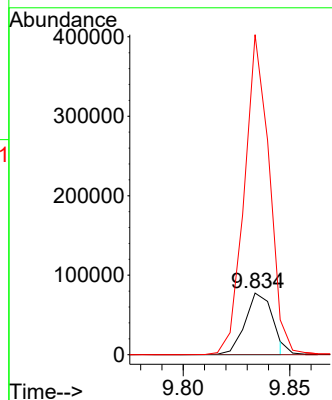
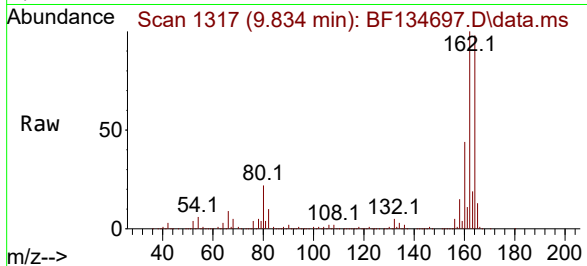




#50
Dimethylphthalate
Concen: 3.107 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

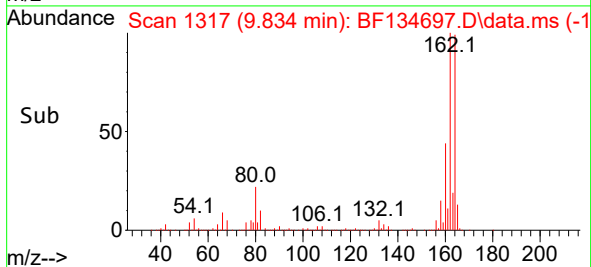
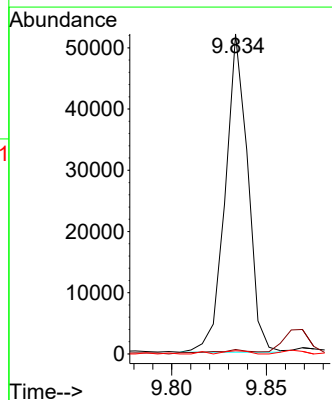
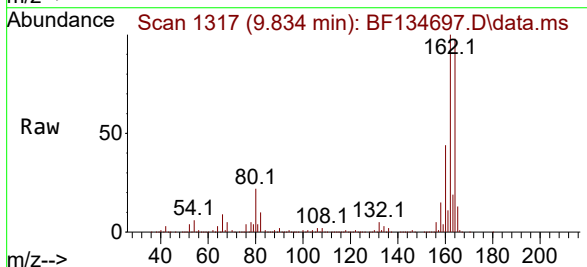
Instrument :
BNA_F
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72-11935

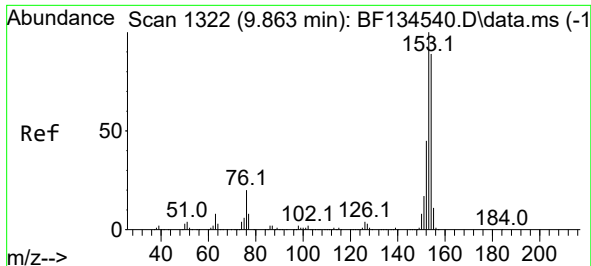
Tgt Ion:163 Resp: 70046
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 518.8 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.310 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:165 Resp: 42953
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.0 51.8 77.8#

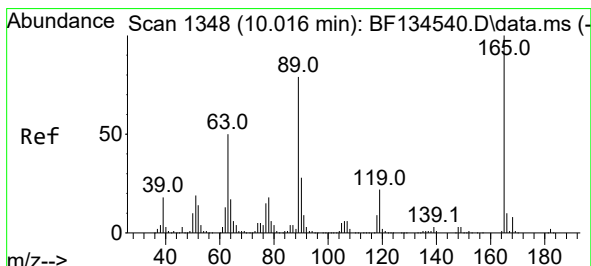
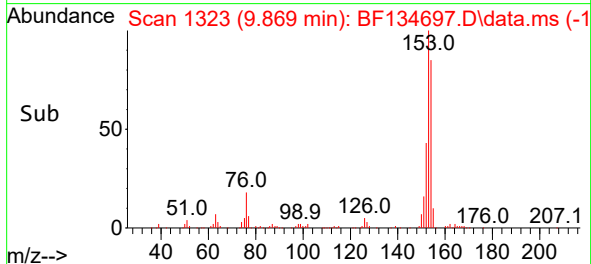
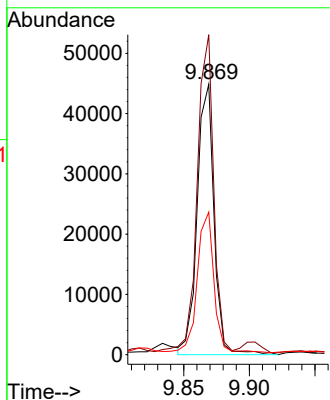
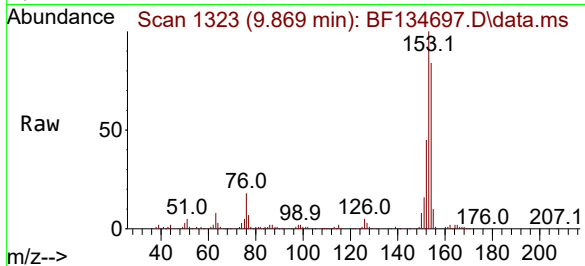




#52
Acenaphthene
Concen: 2.054 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

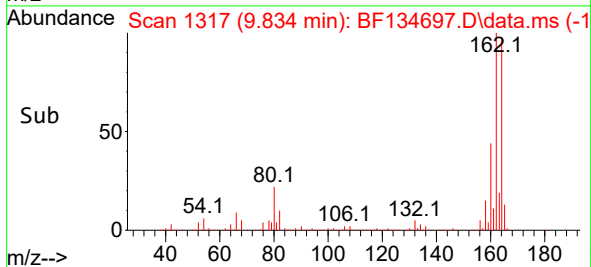
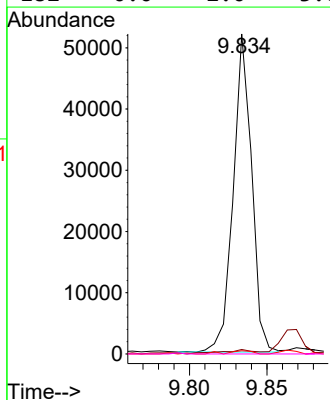
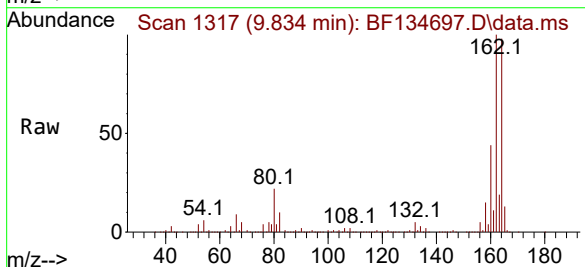
Instrument :
BNA_F
ClientSampleId :
72-11935

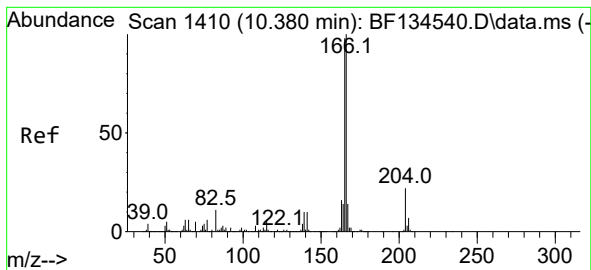
Tgt Ion:154 Resp: 40328
Ion Ratio Lower Upper
154 100
153 118.3 90.0 135.0
152 52.7 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 10.083 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:165 Resp: 42901
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 1.0 61.7 92.5#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.028 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

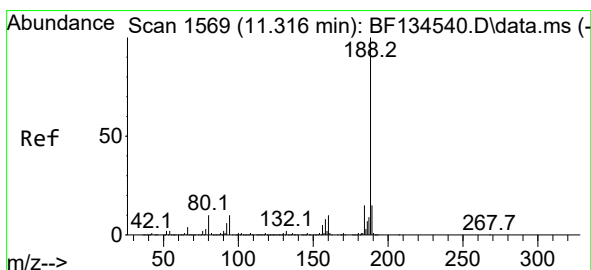
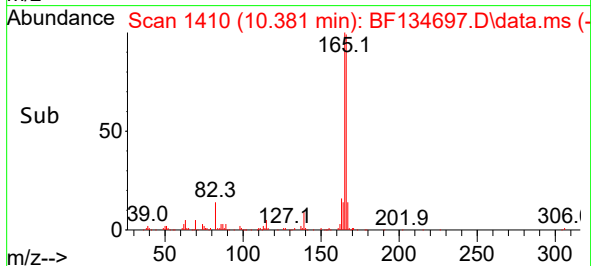
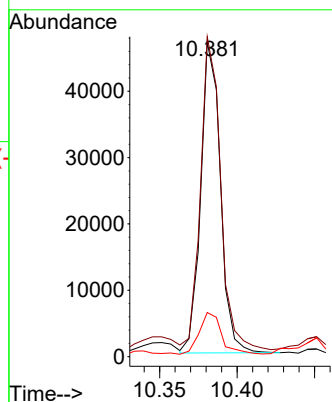
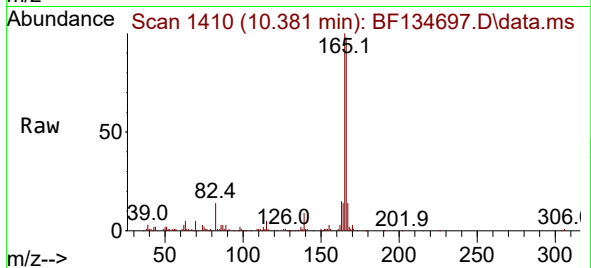
Tgt Ion:166 Resp: 41288

Ion Ratio Lower Upper

166 100

165 101.8 74.5 111.7

167 14.0 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

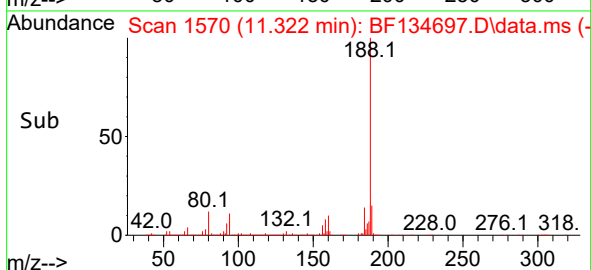
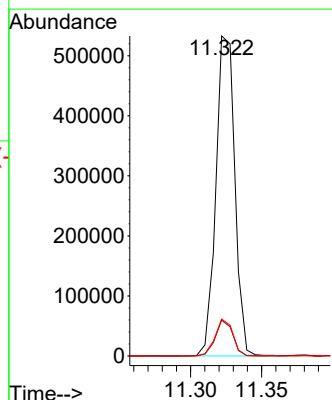
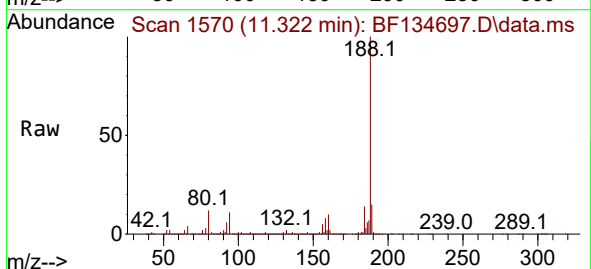
Tgt Ion:188 Resp: 493298

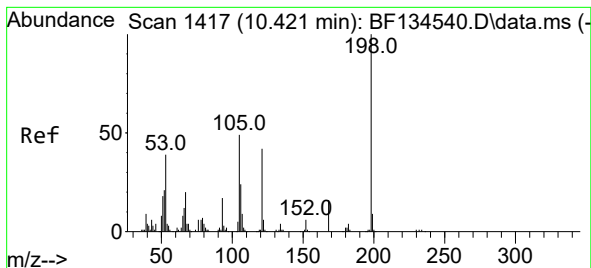
Ion Ratio Lower Upper

188 100

94 11.2 5.1 7.7#

80 11.6 6.6 9.8#

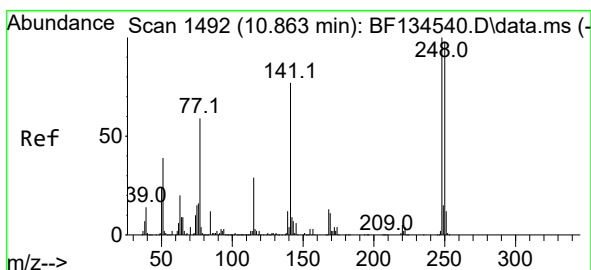
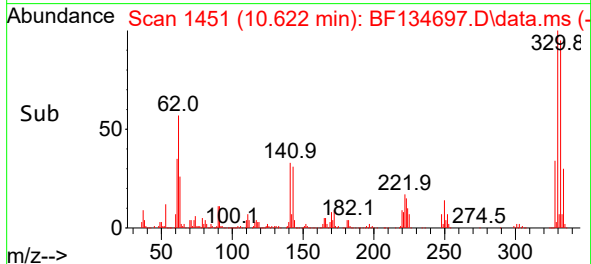
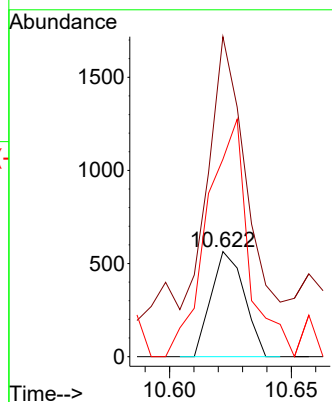
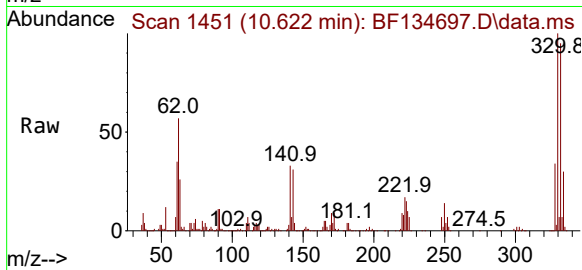




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.918 ng
 RT: 10.622 min Scan# 1417
 Delta R.T. 0.183 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02

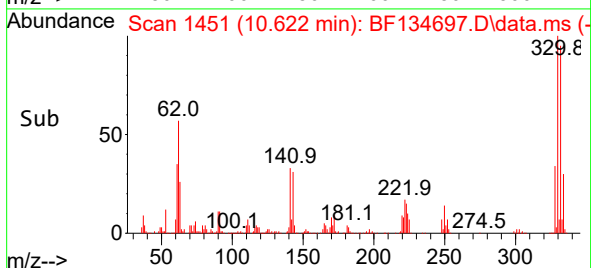
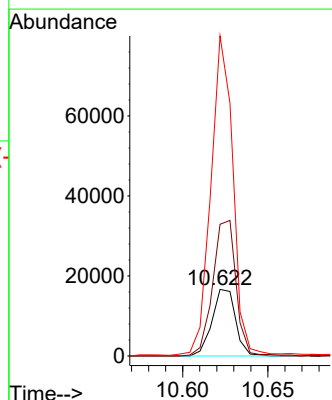
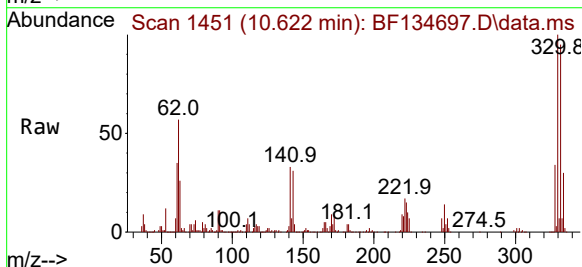
Instrument :
 BNA_F
 ClientSampleId :
 72-11935

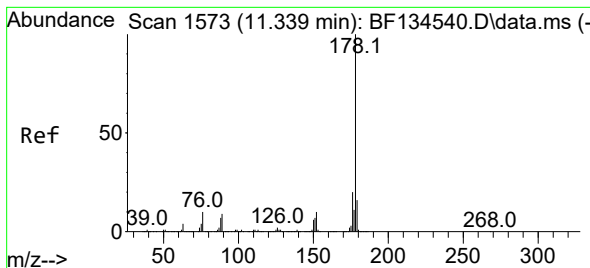
Tgt Ion:198 Resp: 533
 Ion Ratio Lower Upper
 198 100
 51 304.6 38.6 78.6#
 105 187.9 27.9 67.9#



#67
 4-Bromophenyl-phenylether
 Concen: 2.965 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. -0.247 min
 Lab File: BF134697.D
 Acq: 09 Aug 2023 19:02

Tgt Ion:248 Resp: 16011
 Ion Ratio Lower Upper
 248 100
 250 198.1 79.6 119.4#
 141 481.1 59.6 89.4#





#71

Phenanthrene

Concen: 14.047 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

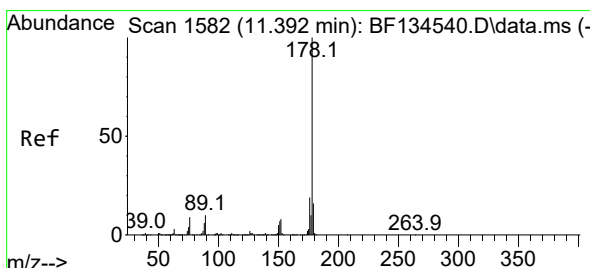
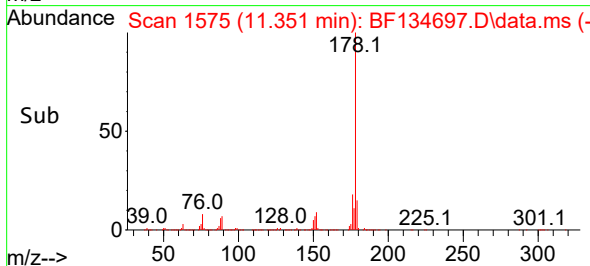
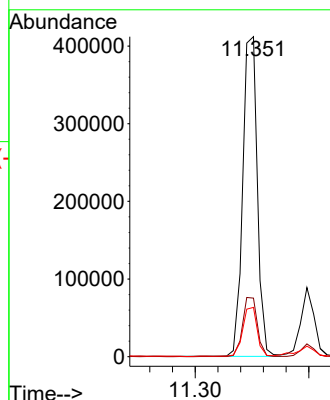
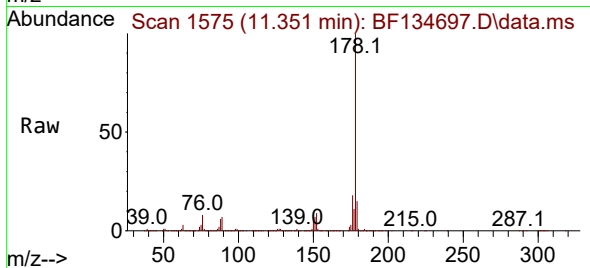
Tgt Ion:178 Resp: 368060

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

179 15.4 12.7 19.1



#72

Anthracene

Concen: 2.663 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

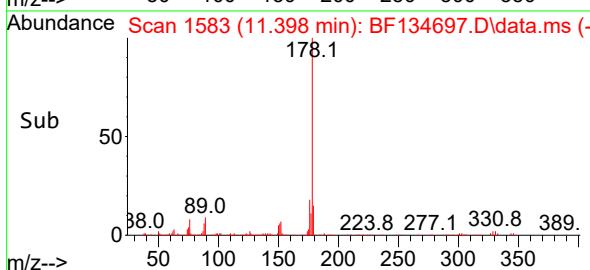
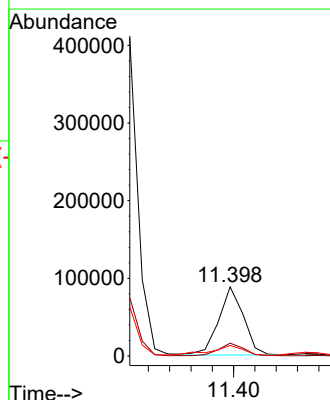
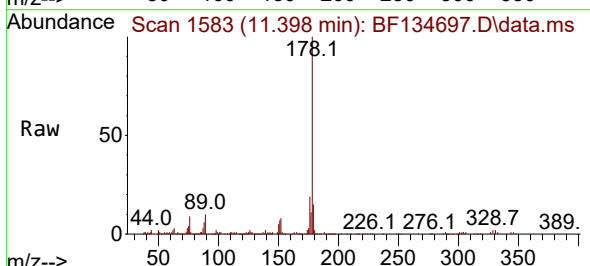
Tgt Ion:178 Resp: 71270

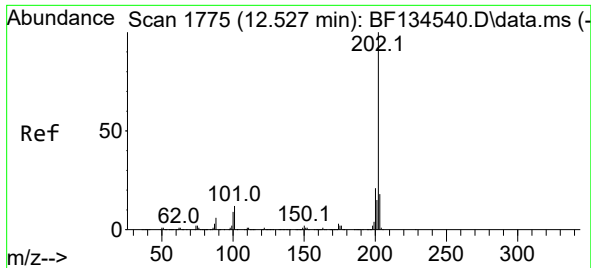
Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

179 15.3 12.3 18.5

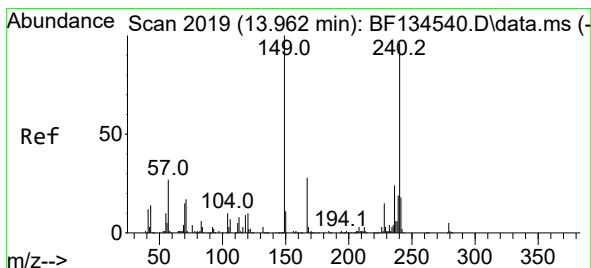
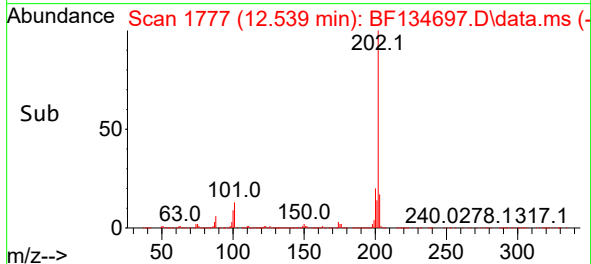
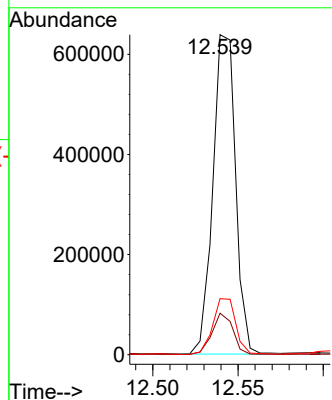
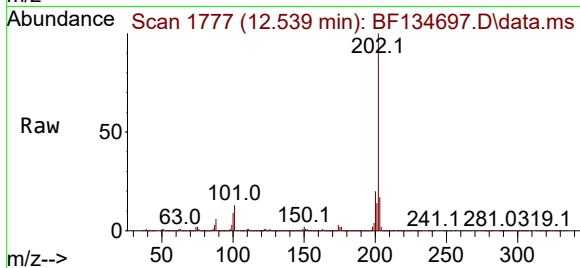




#75
Fluoranthene
Concen: 21.351 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

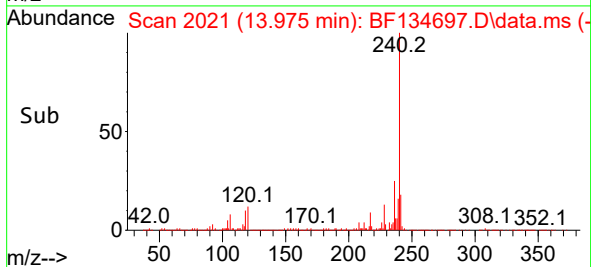
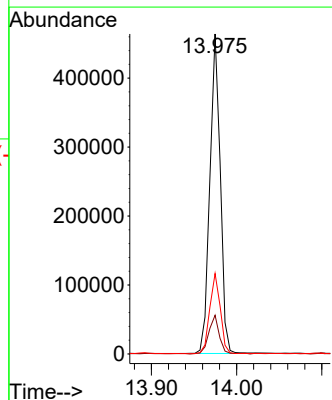
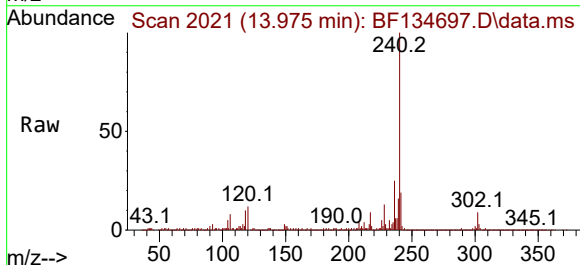
Instrument :
BNA_F
ClientSampleId :
72-11935

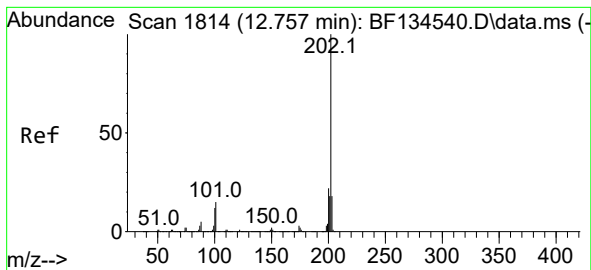
Tgt Ion:202 Resp: 590935
Ion Ratio Lower Upper
202 100
101 12.9 0.0 28.5
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.975 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:240 Resp: 393691
Ion Ratio Lower Upper
240 100
120 12.1 6.6 10.0#
236 25.1 20.2 30.2





#78

Pyrene

Concen: 13.617 ng

RT: 12.769 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

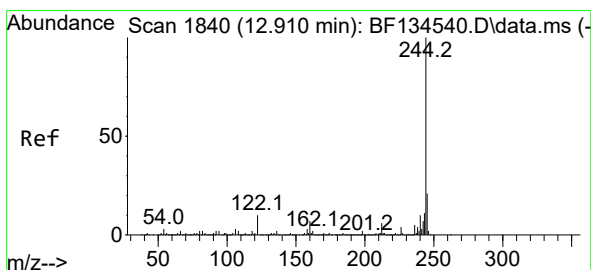
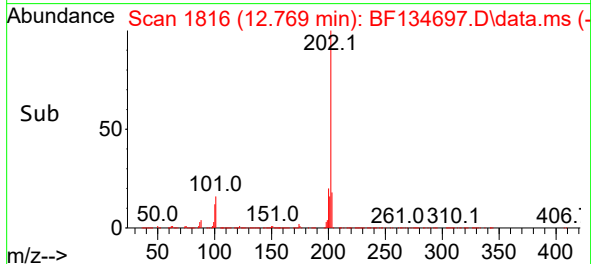
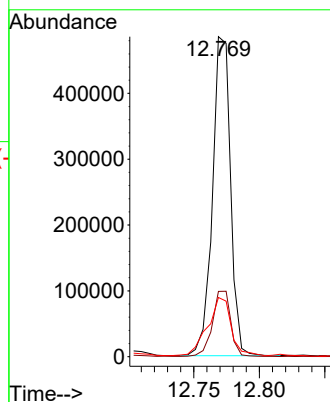
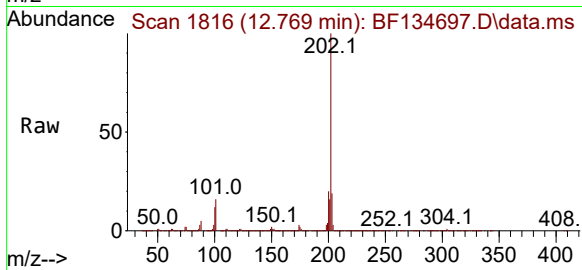
Tgt Ion:202 Resp: 463885

Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

203 18.5 13.5 20.3



#79

Terphenyl-d14

Concen: 46.651 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

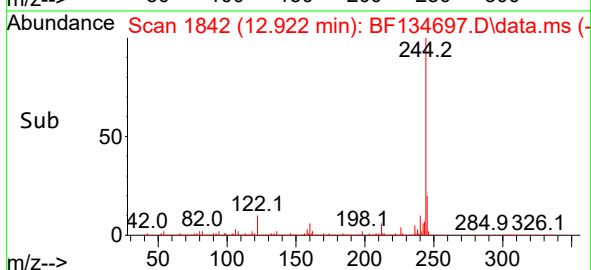
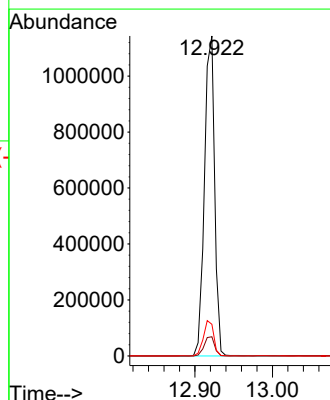
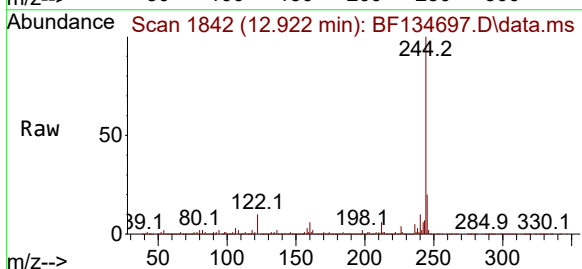
Tgt Ion:244 Resp: 1041841

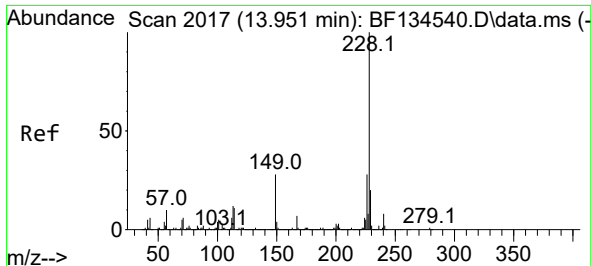
Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

122 9.9 8.0 12.0

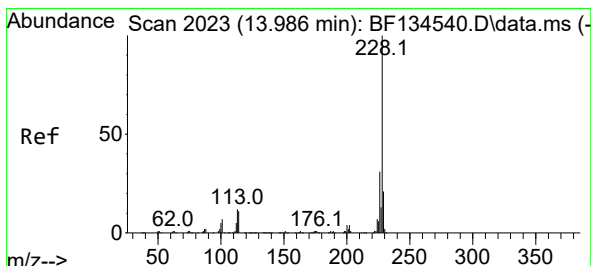
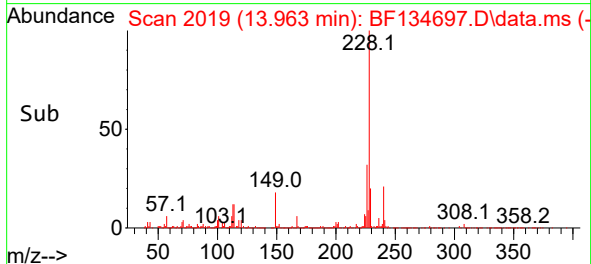
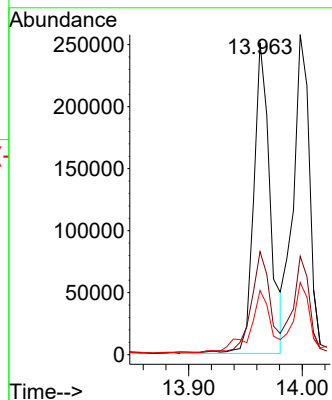
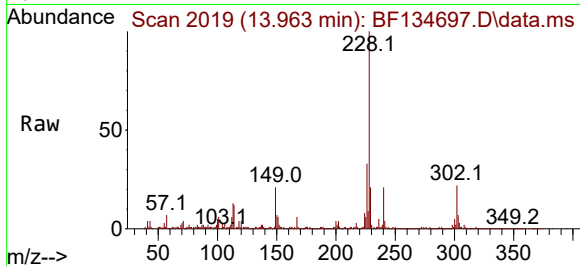




#81
Benzo(a)anthracene
Concen: 8.919 ng
RT: 13.963 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

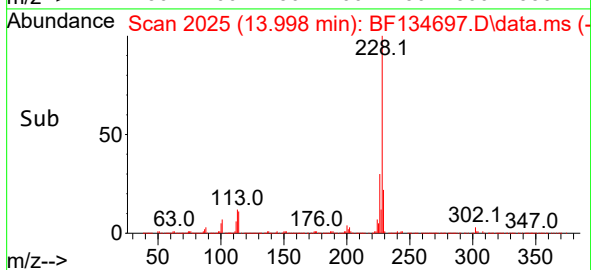
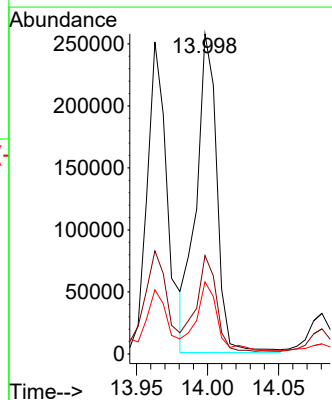
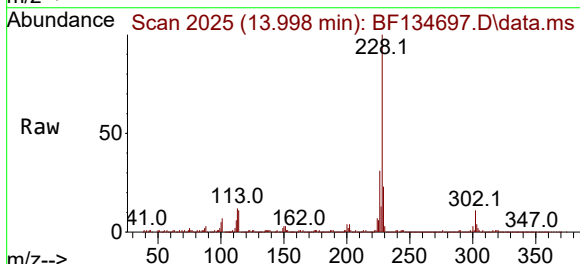
Instrument :
BNA_F
ClientSampleId :
72-11935

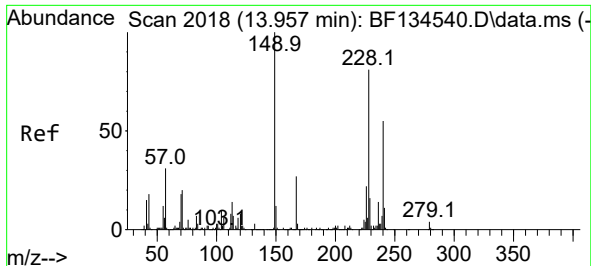
Tgt Ion:228 Resp: 251077
Ion Ratio Lower Upper
228 100
226 33.1 22.3 33.5
229 20.6 15.8 23.6



#83
Chrysene
Concen: 9.531 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:228 Resp: 261394
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.5 15.8 23.8

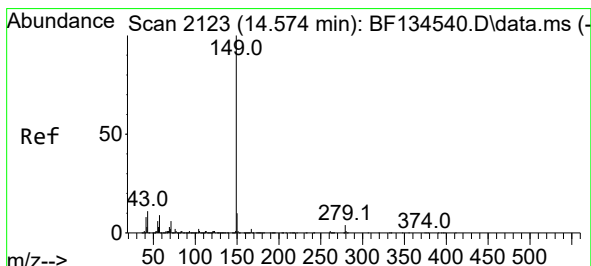
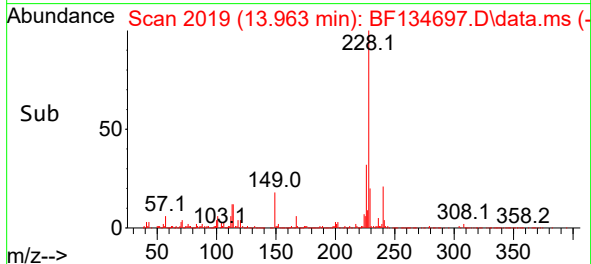
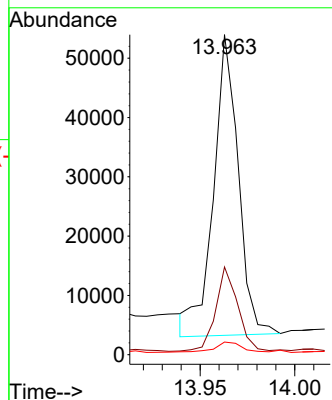
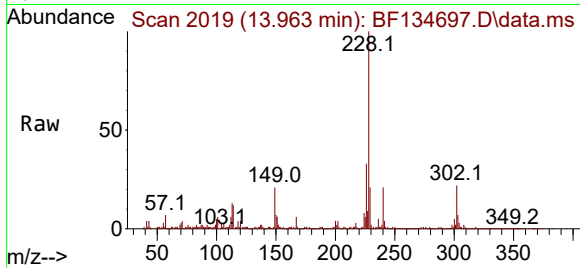




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.402 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

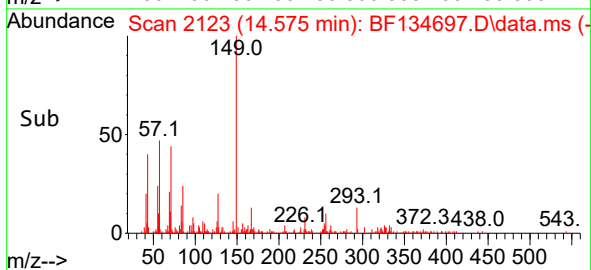
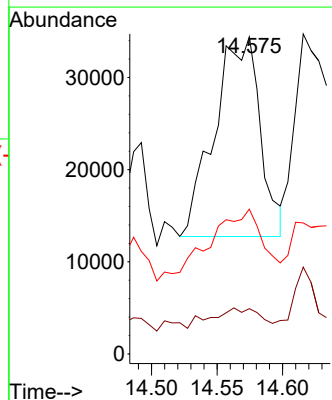
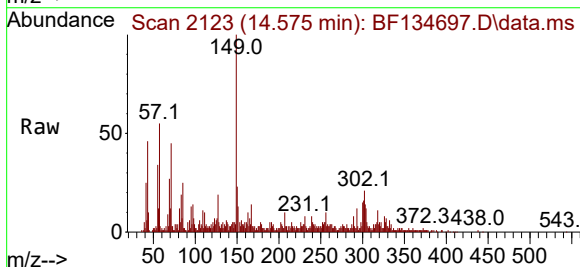
Instrument :
BNA_F
ClientSampleId :
72-11935

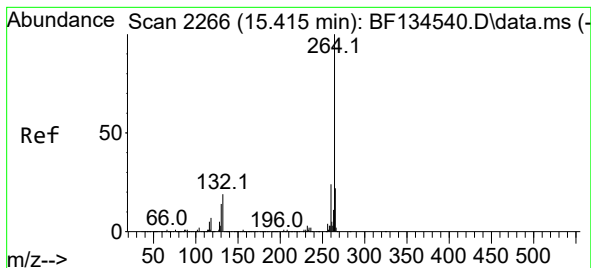
Tgt Ion:149 Resp: 46121
Ion Ratio Lower Upper
149 100
167 27.4 21.6 32.4
279 3.9 3.5 5.3



#85
Di-n-octyl phthalate
Concen: 2.538 ng
RT: 14.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:149 Resp: 52330
Ion Ratio Lower Upper
149 100
167 16.4 1.2 1.8#
43 34.0 8.1 12.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

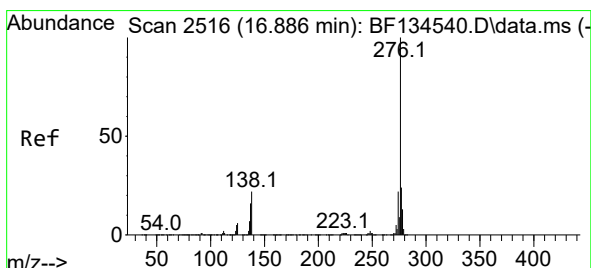
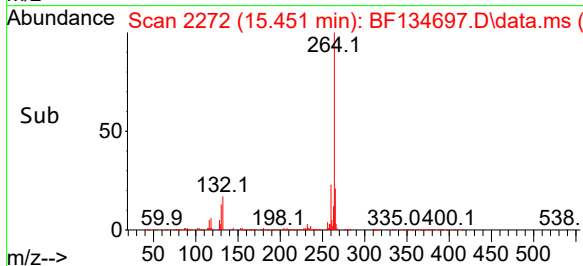
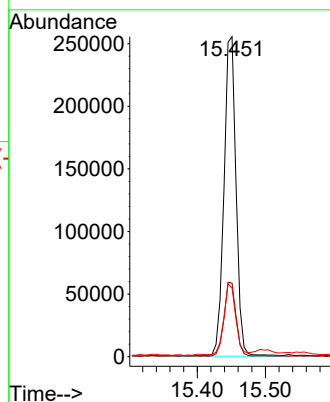
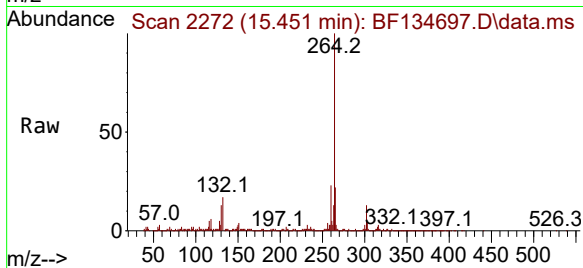
Tgt Ion:264 Resp: 314142

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.5 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.884 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.006 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

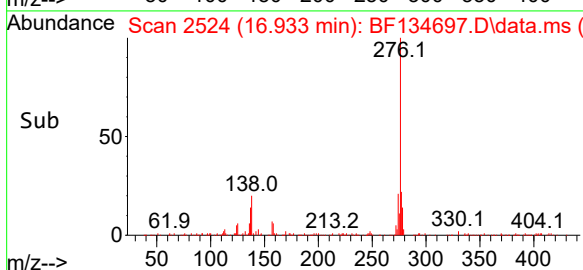
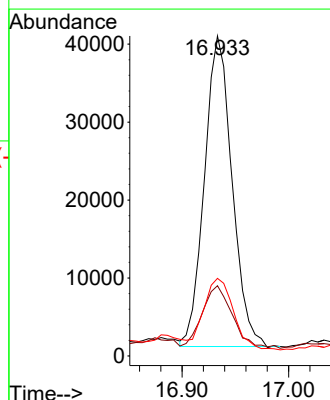
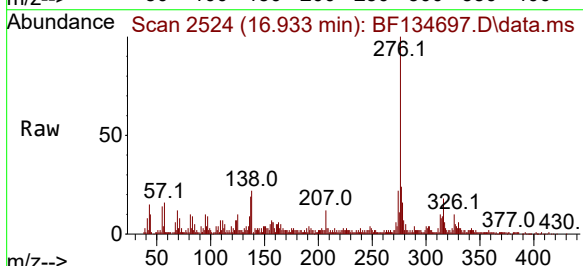
Tgt Ion:276 Resp: 71760

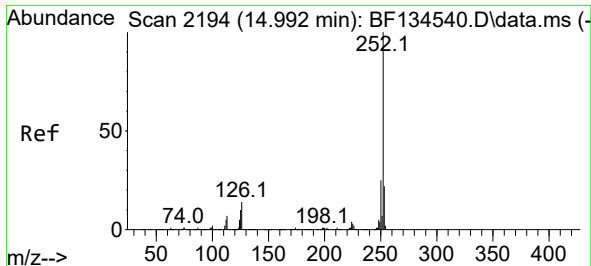
Ion Ratio Lower Upper

276 100

138 22.1 14.2 21.4#

277 24.8 19.9 29.9

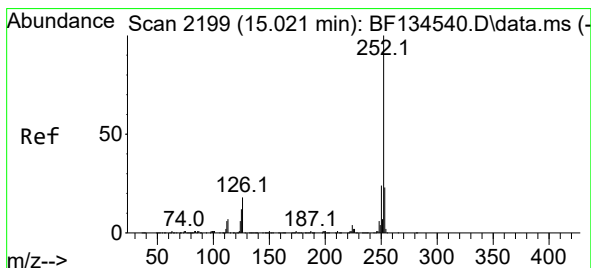
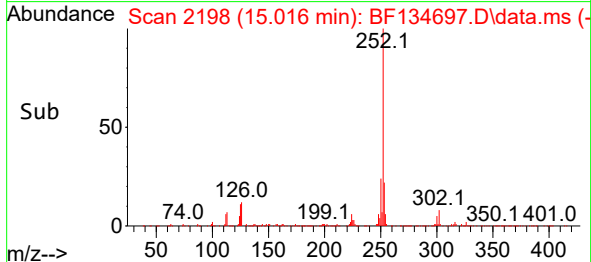
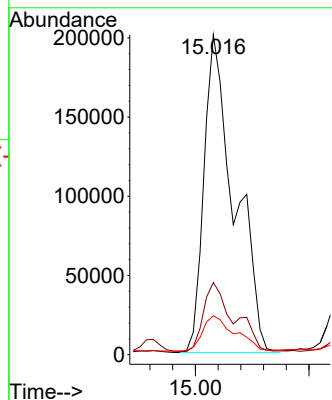
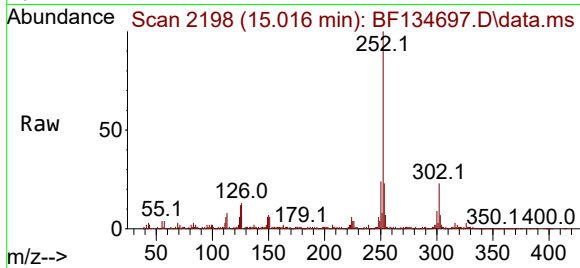




#88
Benzo(b)fluoranthene
Concen: 19.579 ng
RT: 15.016 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

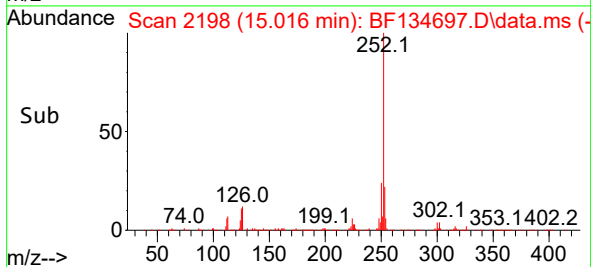
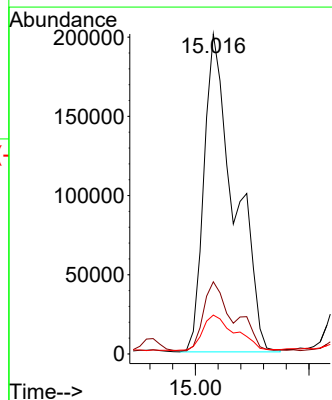
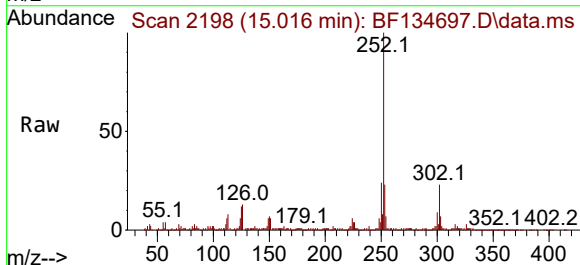
Instrument :
BNA_F
ClientSampleId :
72-11935

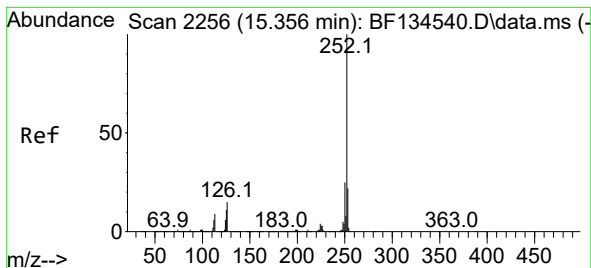
Tgt Ion:252 Resp: 375124
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 12.1 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 19.655 ng
RT: 15.016 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF134697.D
Acq: 09 Aug 2023 19:02

Tgt Ion:252 Resp: 375124
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.1 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 8.088 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Instrument :

BNA_F

ClientSampleId :

72-11935

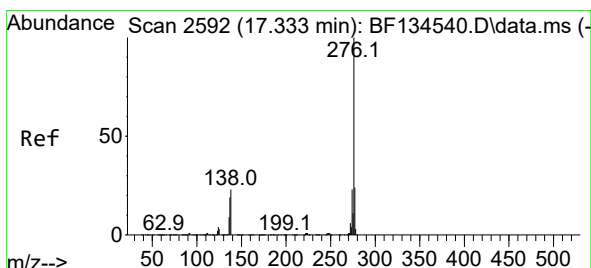
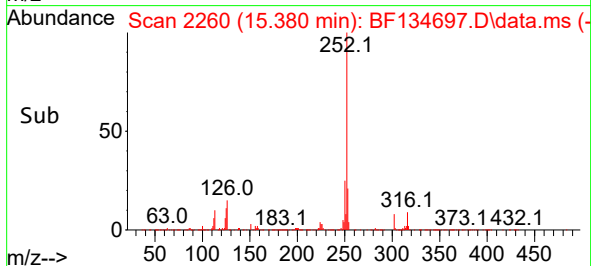
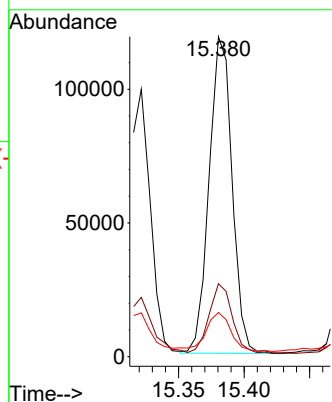
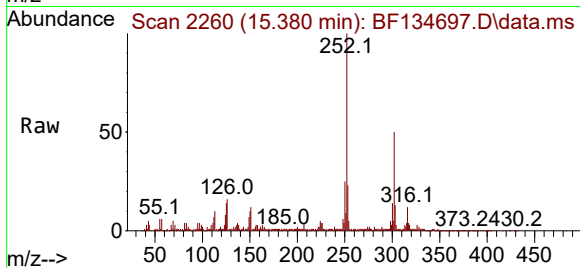
Tgt Ion:252 Resp: 144480

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 13.8 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 4.314 ng

RT: 17.386 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF134697.D

Acq: 09 Aug 2023 19:02

Tgt Ion:276 Resp: 65712

Ion Ratio Lower Upper

276 100

277 26.1 19.0 28.6

138 25.6 12.2 18.2#

