

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134667.D
 Acq On : 08 Aug 2023 12:40
 Operator : CG\JU
 Sample : 03913-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Quant Time: Aug 09 02:17:01 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)

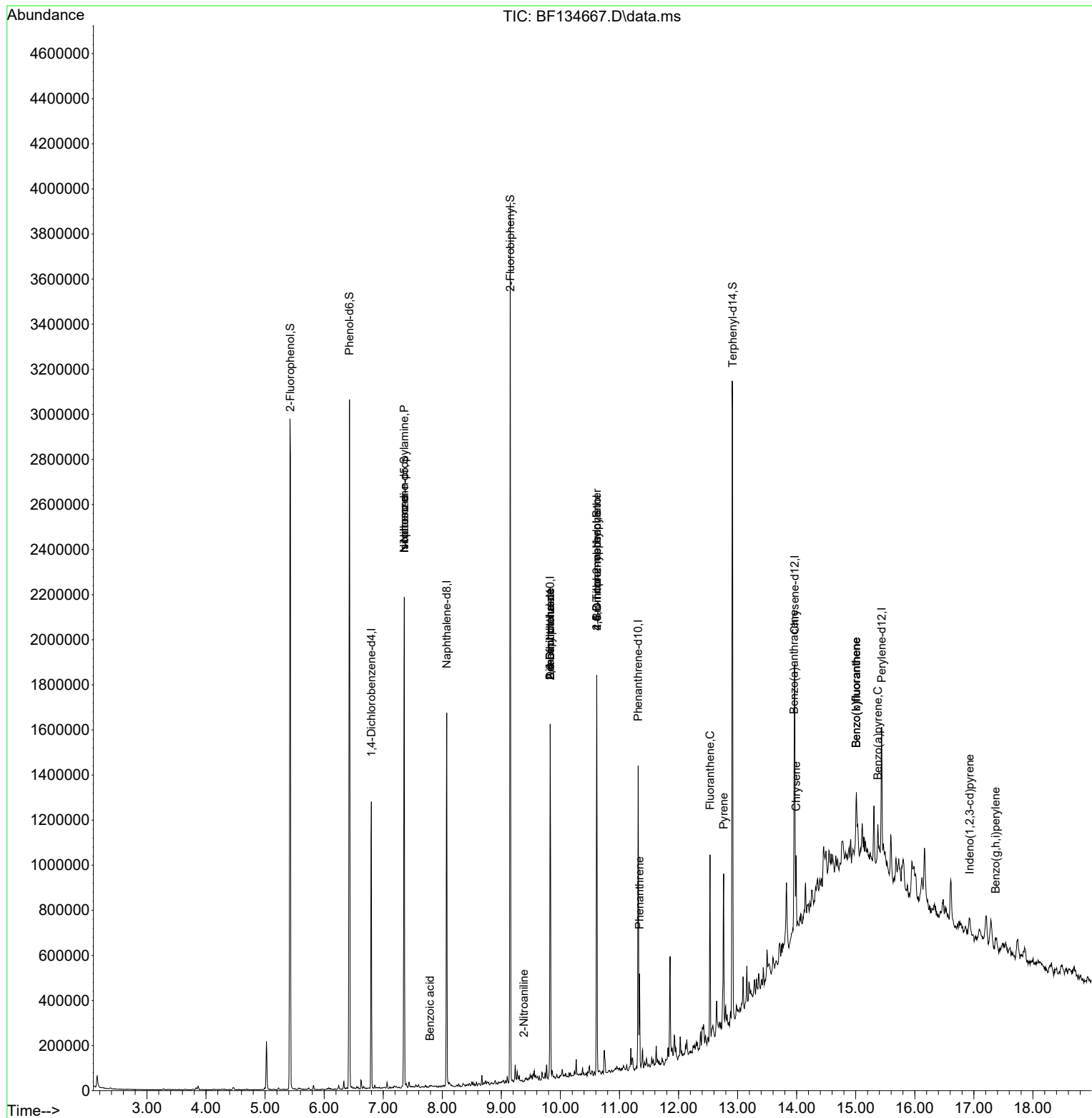
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	177018	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	660313	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	278972	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	447507	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	363736	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	292029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	875595	75.190	ng	0.00
7) Phenol-d6	6.428	99	1073490	72.114	ng	-0.01
23) Nitrobenzene-d5	7.357	82	628951	59.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	192287	67.615	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1059210	63.130	ng	-0.01
79) Terphenyl-d14	12.916	244	1082771	52.477	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.346	77	1018	Below Cal	#	59
19) n-Nitroso-di-n-propyla...	7.357	70	84658	9.499	ng	# 72
25) Isophorone	7.357	82	623775	27.066	ng	# 65
32) Benzoic acid	7.792	122	137	7.884	ng	# 1
48) 2-Nitroaniline	9.381	65	321	3.225	ng	# 21
50) Dimethylphthalate	9.828	163	58353	3.069	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	36469	11.370	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	36469	10.141	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	483	8.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12414	2.534	ng	# 1
71) Phenanthrene	11.339	178	135317	5.693	ng	98
75) Fluoranthene	12.533	202	300997	11.988	ng	97
78) Pyrene	12.763	202	272469	8.657	ng	98
81) Benzo(a)anthracene	13.957	228	129294	4.971	ng	94
83) Chrysene	13.992	228	142010	5.604	ng	95
87) Indeno(1,2,3-cd)pyrene	16.927	276	52519	3.058	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	188832	10.602	ng	# 85
89) Benzo(k)fluoranthene	15.010	252	188832	10.643	ng	# 87
90) Benzo(a)pyrene	15.374	252	85807	5.167	ng	# 80
92) Benzo(g,h,i)perylene	17.368	276	51928	3.668	ng	# 84

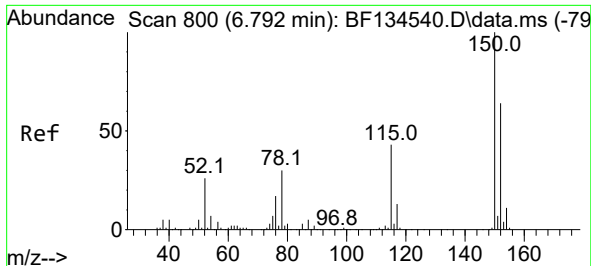
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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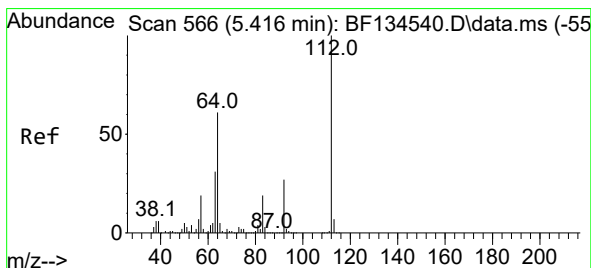
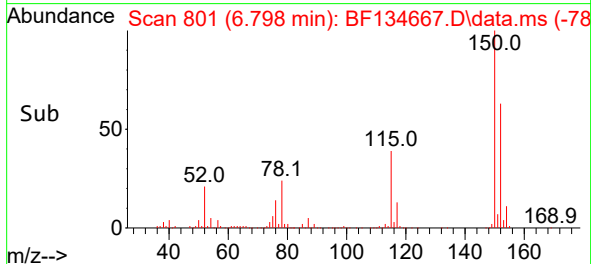
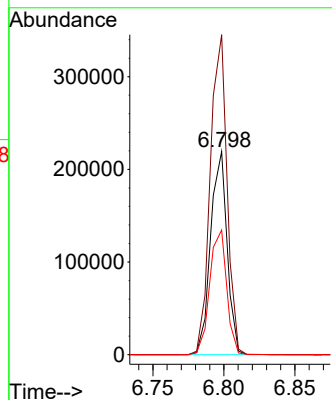
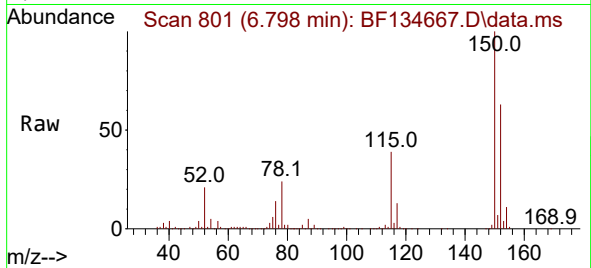




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134667.D
 Acq: 08 Aug 2023 12:40

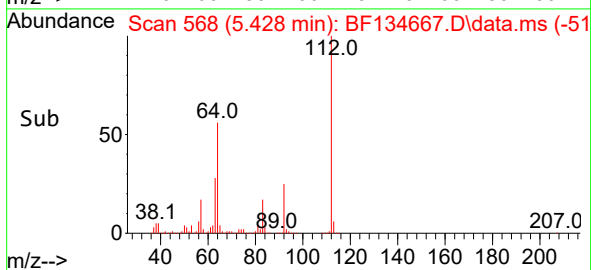
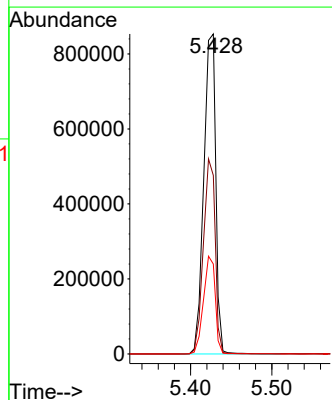
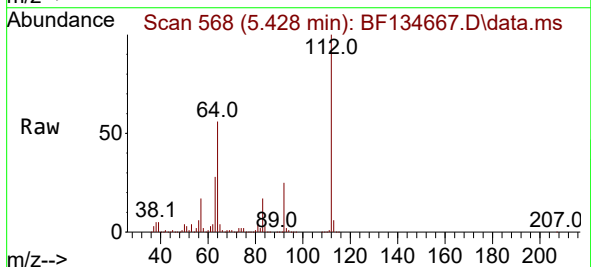
Instrument :
 BNA_F
 ClientSampleId :
 72-11933

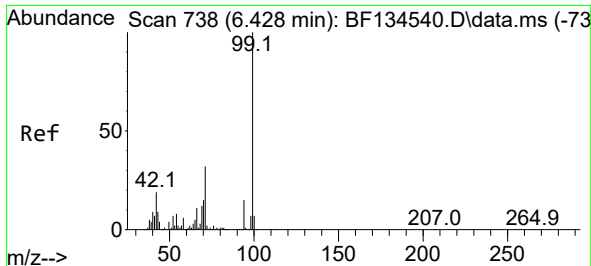
Tgt Ion:152 Resp: 177018
 Ion Ratio Lower Upper
 152 100
 150 157.5 128.3 192.5
 115 61.3 52.4 78.6



#5
 2-Fluorophenol
 Concen: 75.190 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF134667.D
 Acq: 08 Aug 2023 12:40

Tgt Ion:112 Resp: 875595
 Ion Ratio Lower Upper
 112 100
 64 55.8 44.9 67.3
 63 28.1 25.4 38.0

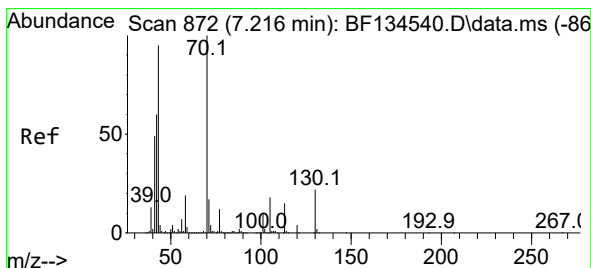
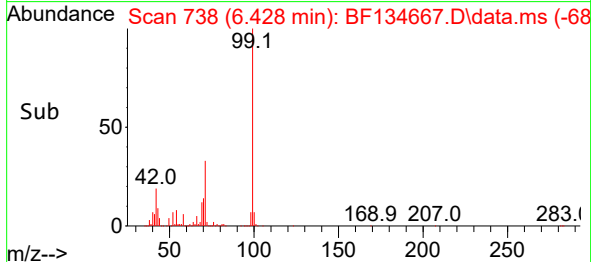
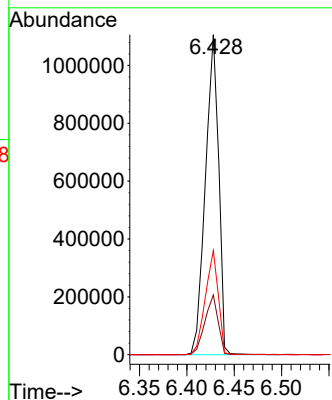
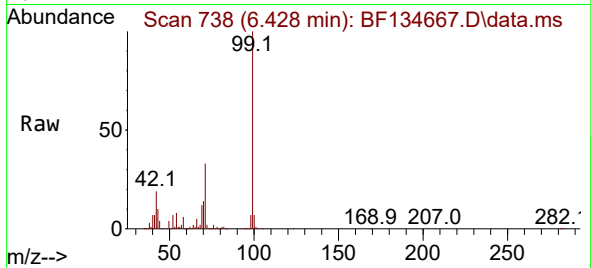




#7
Phenol-d6
Concen: 72.114 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

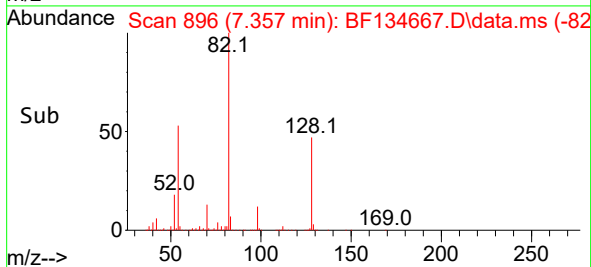
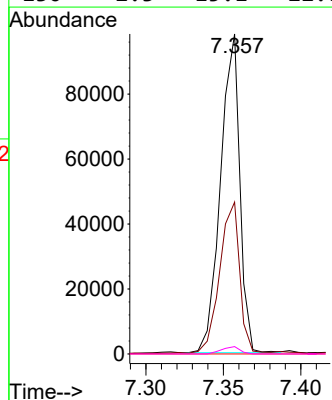
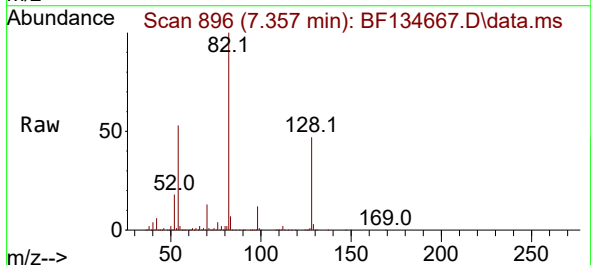
Instrument :
BNA_F
ClientSampleId :
72-11933

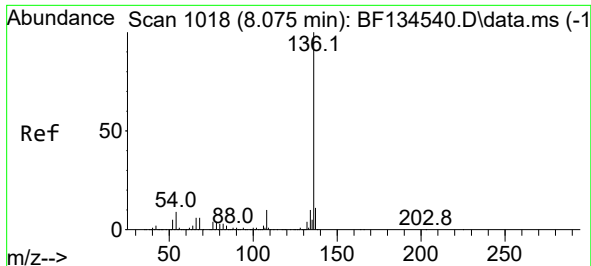
Tgt Ion: 99 Resp: 1073490
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.499 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion: 70 Resp: 84658
Ion Ratio Lower Upper
70 100
42 47.5 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

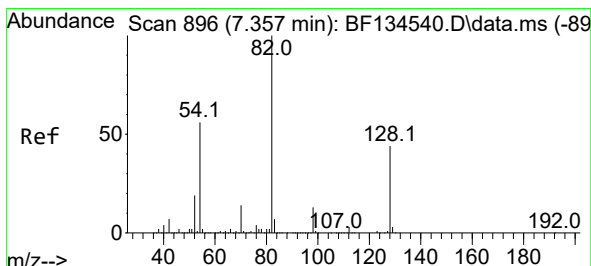
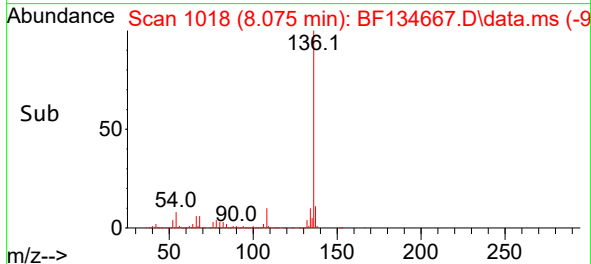
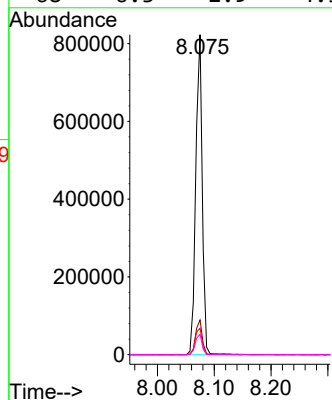
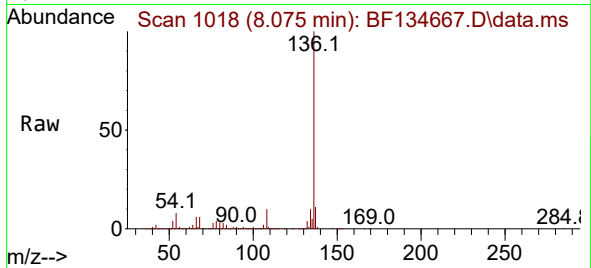




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

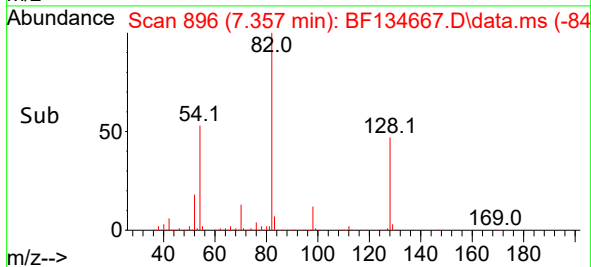
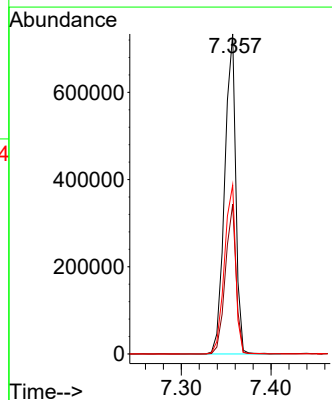
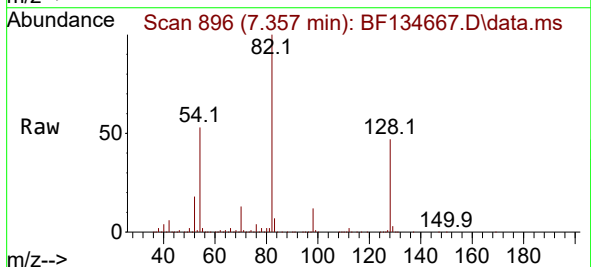
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BNA_F
ClientSampleId :
72-11933

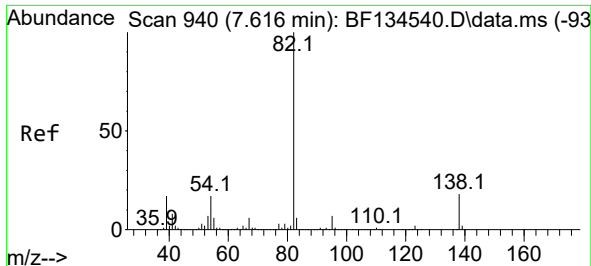
Tgt Ion:136 Resp: 660313
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.3 5.2 7.8#
68 6.3 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 59.525 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion: 82 Resp: 628951
Ion Ratio Lower Upper
82 100
128 46.8 34.3 51.5
54 52.8 43.8 65.6

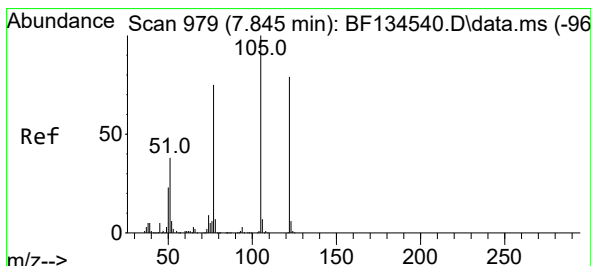
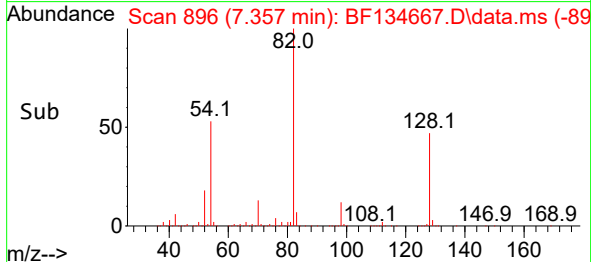
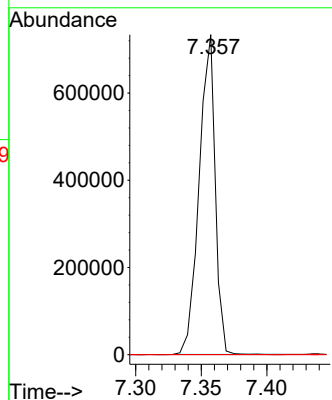
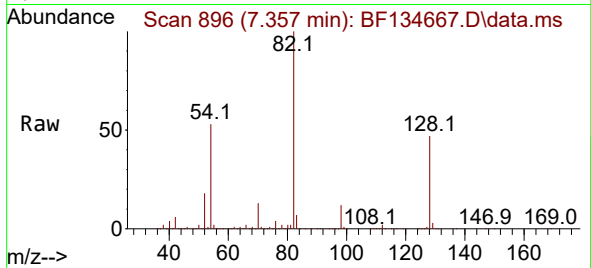




#25
Isophorone
Concen: 27.066 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

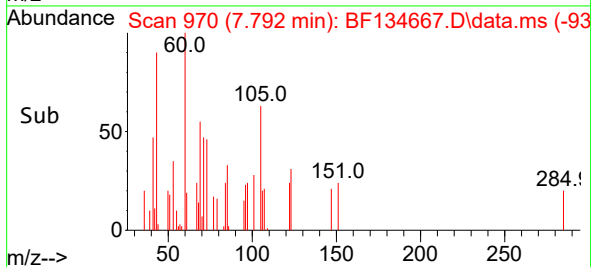
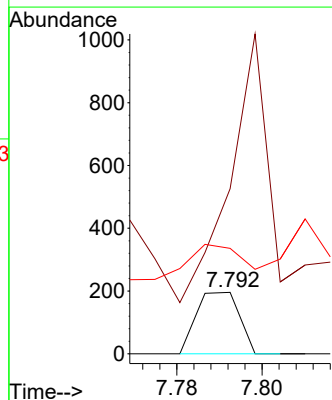
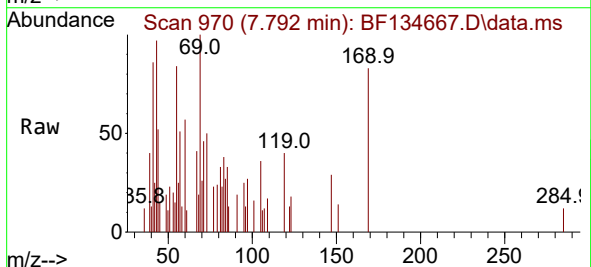
Instrument :
BNA_F
ClientSampleId :
72-11933

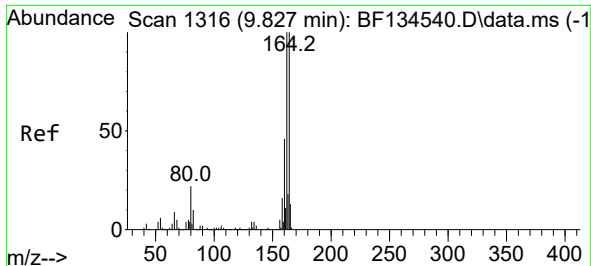
Tgt Ion: 82 Resp: 623775
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.070 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
105 268.4 87.5 127.5#
77 171.4 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

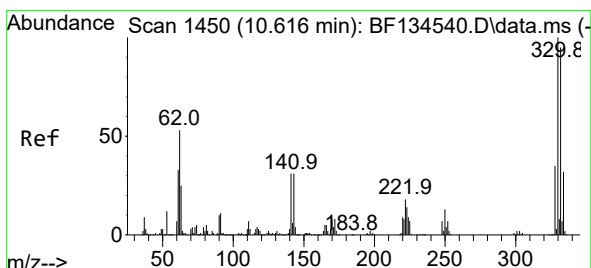
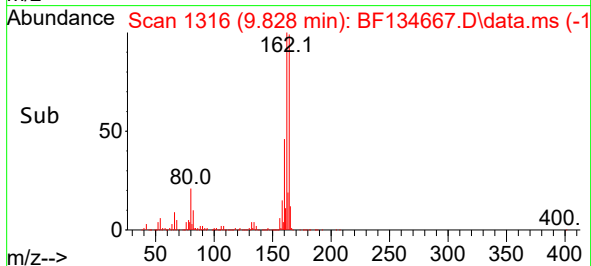
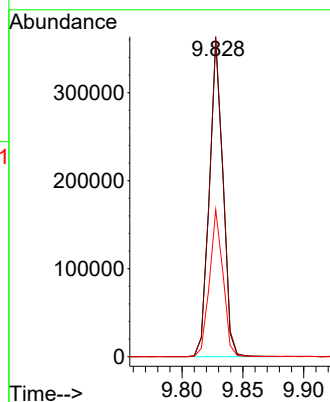
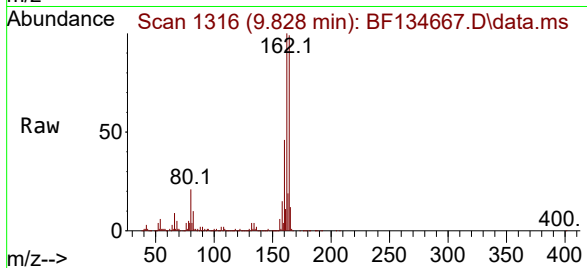
Tgt Ion:164 Resp: 278972

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

160 46.4 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 67.615 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

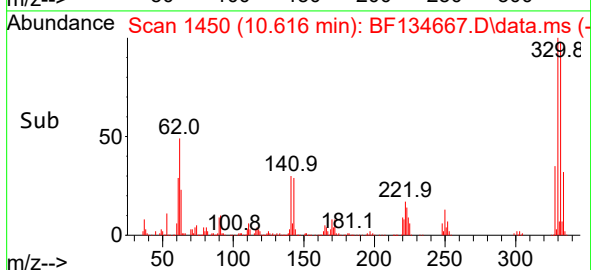
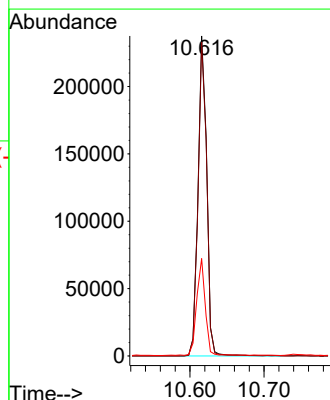
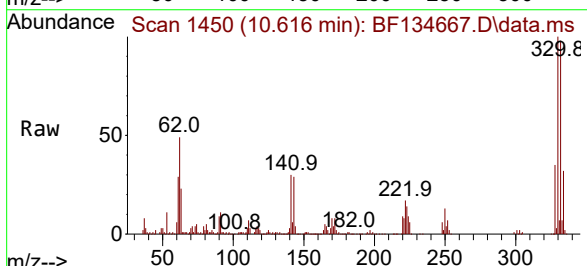
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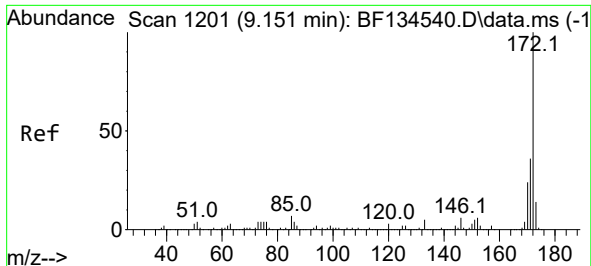
Ion Ratio Lower Upper

330 100

332 97.8 78.8 118.2

141 29.8 25.4 38.2

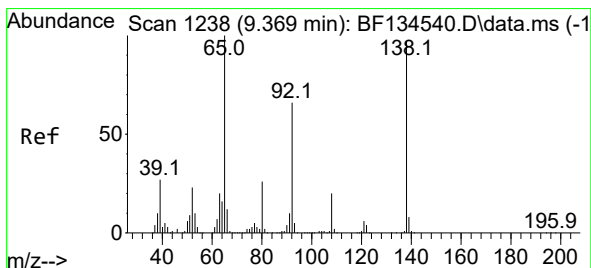
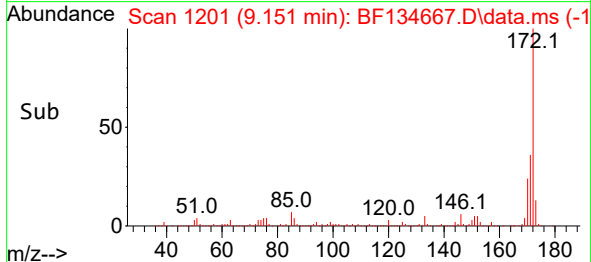
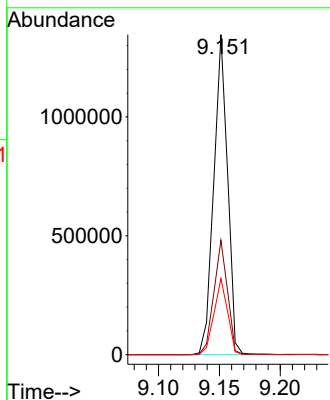
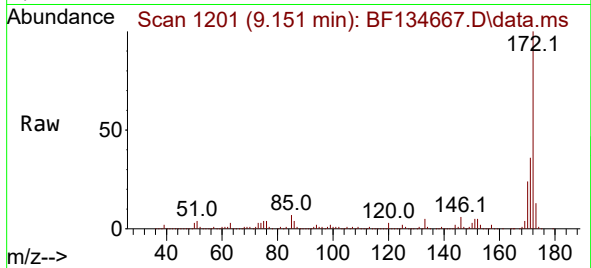




#45
2-Fluorobiphenyl
Concen: 63.130 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

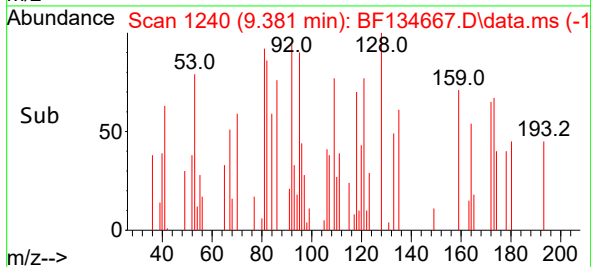
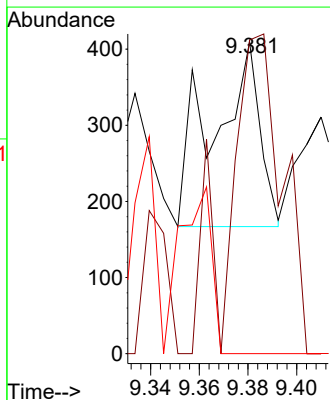
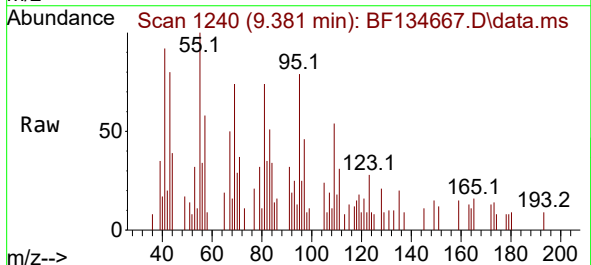
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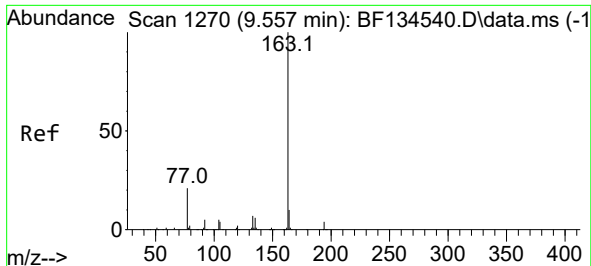
Tgt Ion:172 Resp: 1059210
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.8 18.7 28.1



#48
2-Nitroaniline
Concen: 3.225 ng
RT: 9.381 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion: 65 Resp: 321
Ion Ratio Lower Upper
65 100
92 100.5 50.7 76.1#
138 0.0 78.2 117.4#

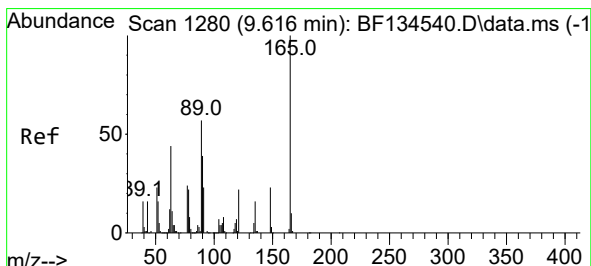
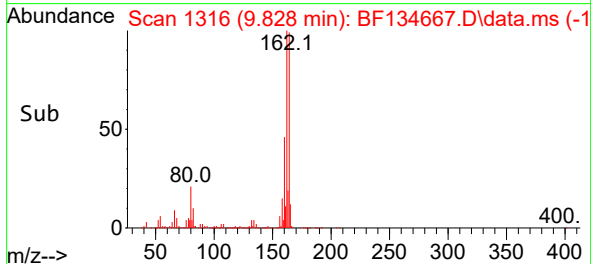
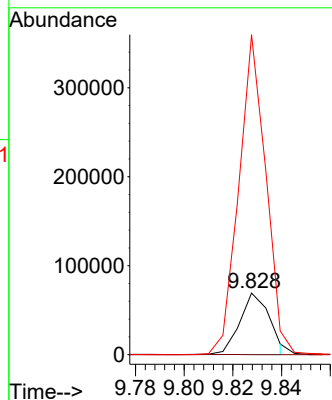
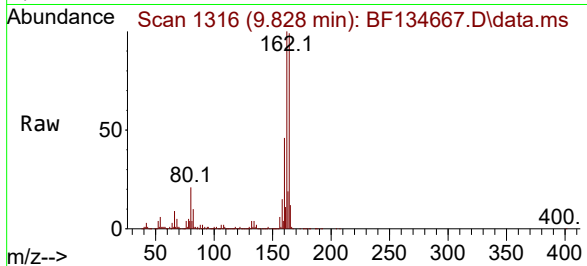




#50
Dimethylphthalate
Concen: 3.069 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

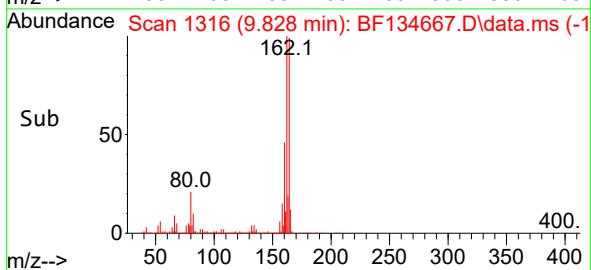
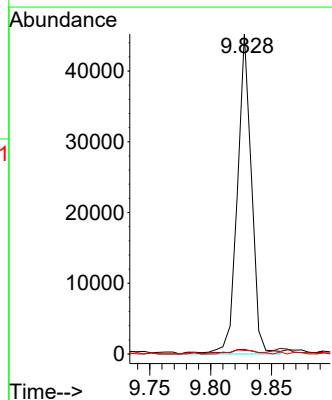
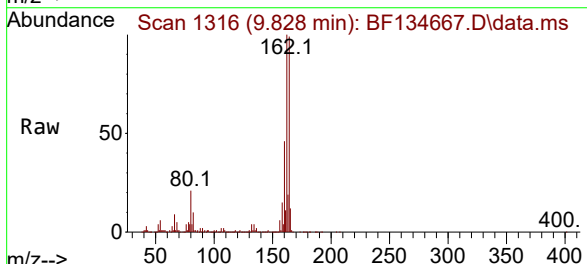
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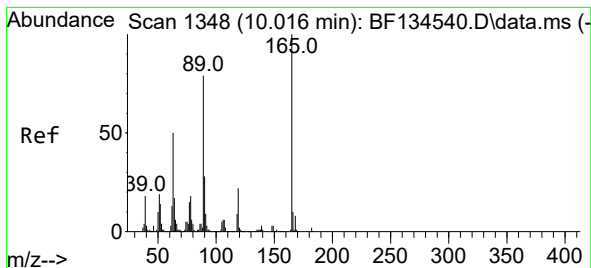
Tgt Ion:163 Resp: 58353
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 519.5 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.370 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion:165 Resp: 36469
Ion Ratio Lower Upper
165 100
63 1.5 57.8 86.6#
89 1.1 51.8 77.8#





#57

2,4-Dinitrotoluene

Concen: 10.141 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

Tgt Ion:165 Resp: 36469

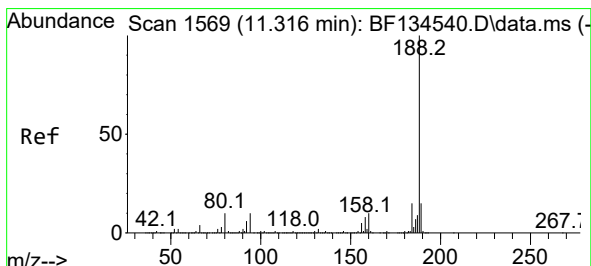
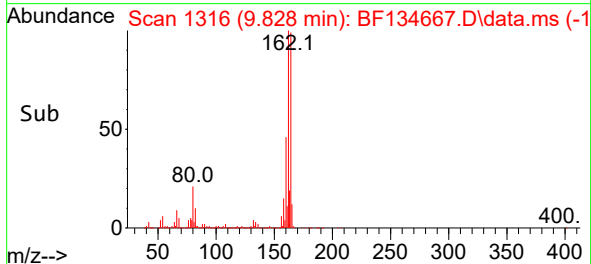
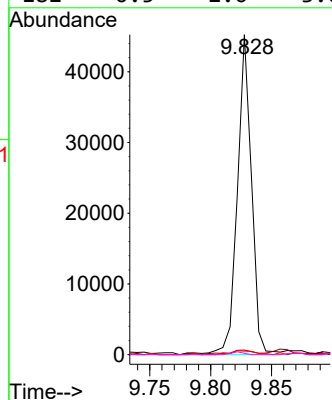
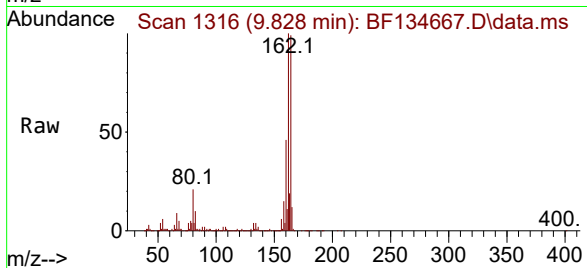
Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

89 1.1 61.7 92.5#

182 0.5 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: BF134667.D

Acq: 08 Aug 2023 12:40

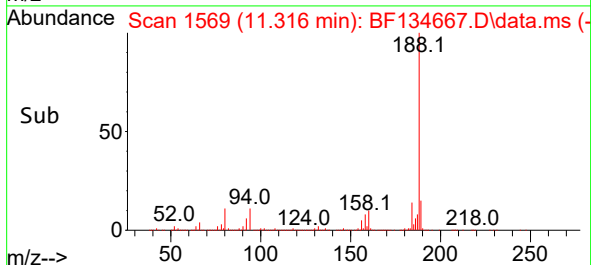
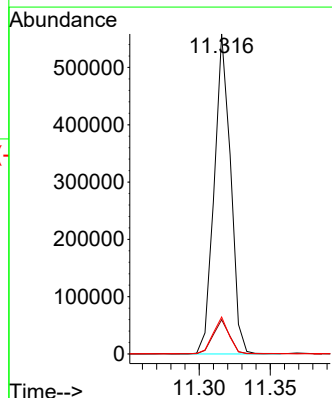
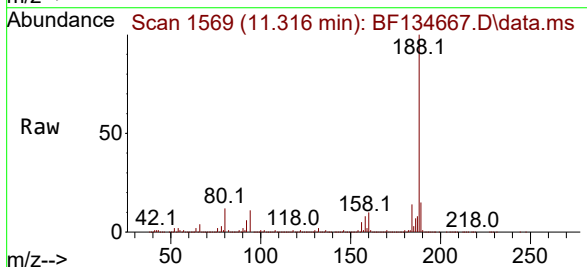
Tgt Ion:188 Resp: 447507

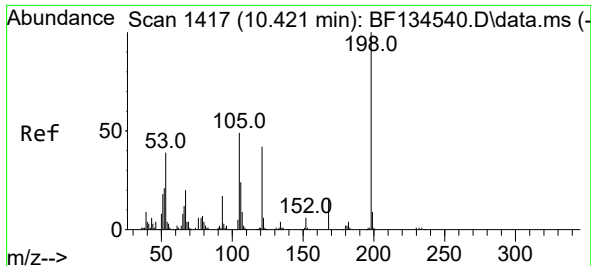
Ion Ratio Lower Upper

188 100

94 10.7 5.1 7.7#

80 11.6 6.6 9.8#

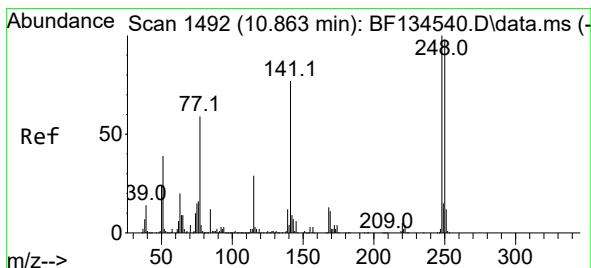
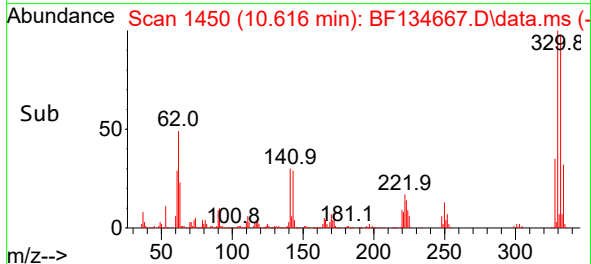
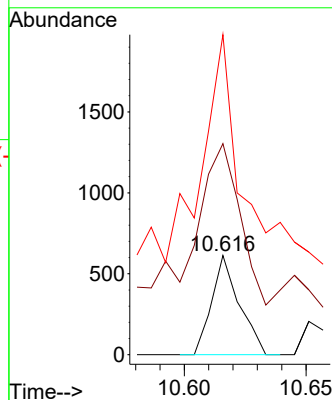
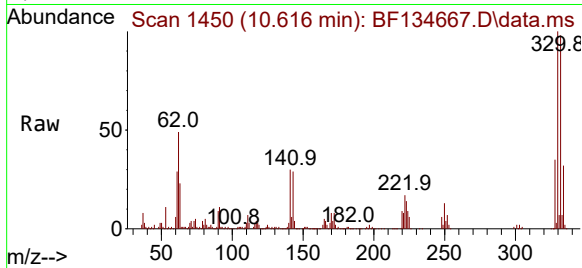




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.918 ng
 RT: 10.616 min Scan# 1417
 Delta R.T. 0.177 min
 Lab File: BF134667.D
 Acq: 08 Aug 2023 12:40

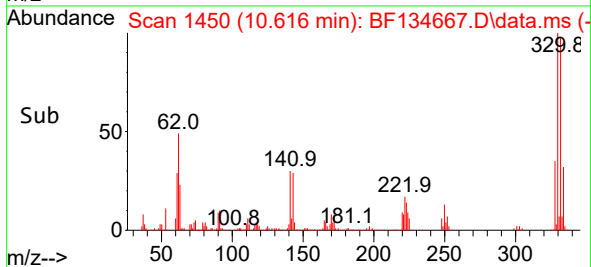
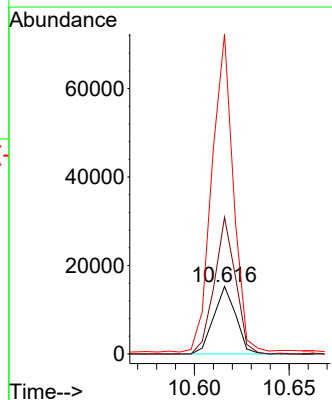
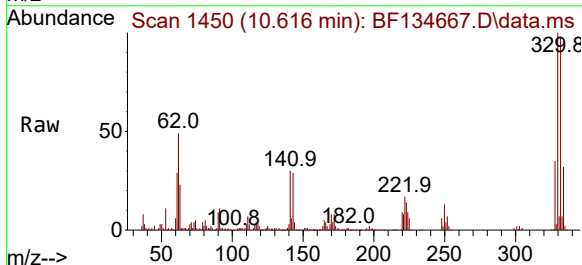
Instrument :
 BNA_F
 ClientSampleId :
 72-11933

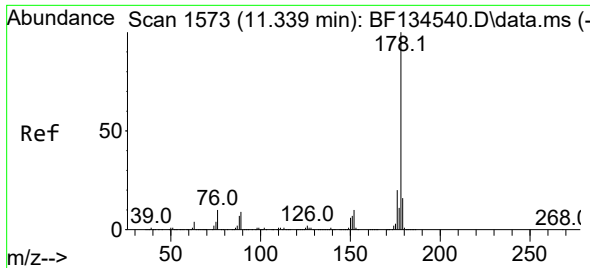
Tgt Ion:198 Resp: 483
 Ion Ratio Lower Upper
 198 100
 51 212.7 38.6 78.6#
 105 322.5 27.9 67.9#



#67
 4-Bromophenyl-phenylether
 Concen: 2.534 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.253 min
 Lab File: BF134667.D
 Acq: 08 Aug 2023 12:40

Tgt Ion:248 Resp: 12414
 Ion Ratio Lower Upper
 248 100
 250 202.5 79.6 119.4#
 141 474.5 59.6 89.4#

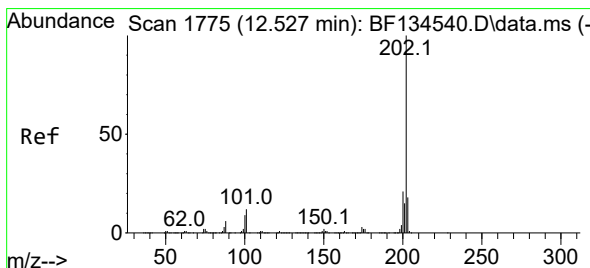
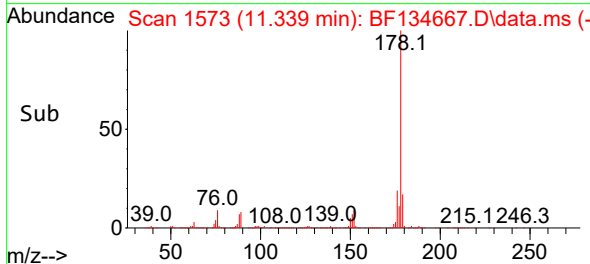
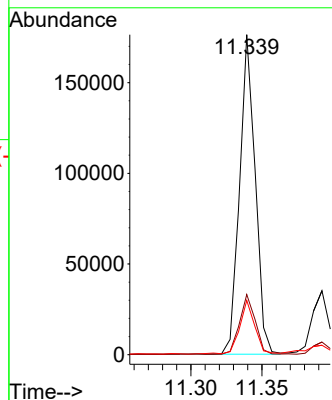
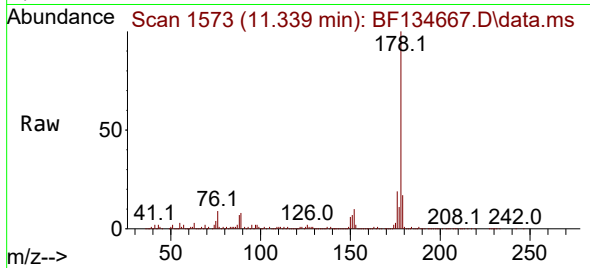




#71
Phenanthrene
Concen: 5.693 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

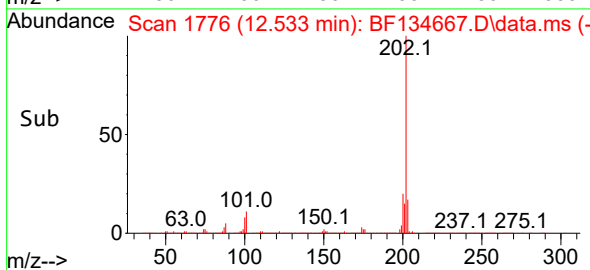
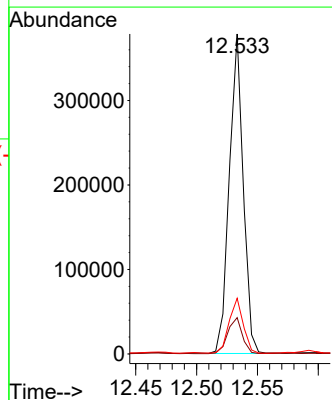
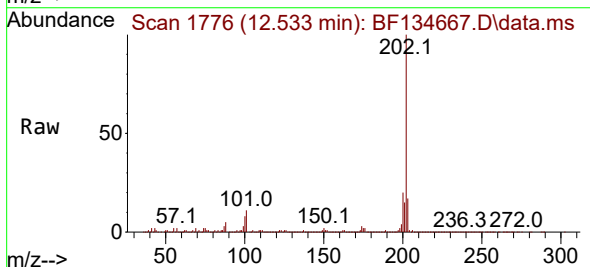
Instrument :
BNA_F
ClientSampleId :
72-11933

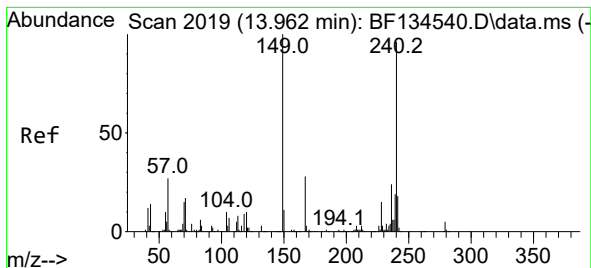
Tgt Ion:178 Resp: 135317
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 17.0 12.7 19.1



#75
Fluoranthene
Concen: 11.988 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134667.D
Acq: 08 Aug 2023 12:40

Tgt Ion:202 Resp: 300997
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

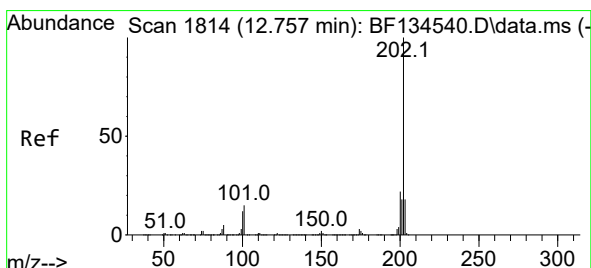
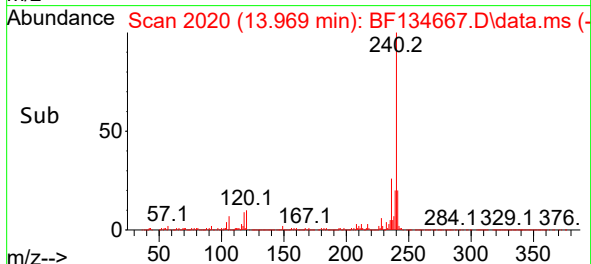
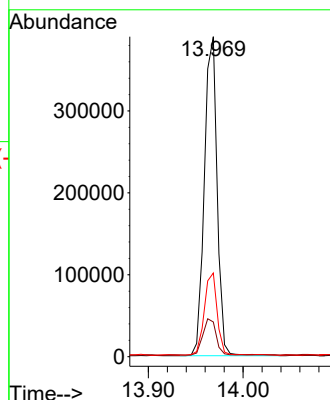
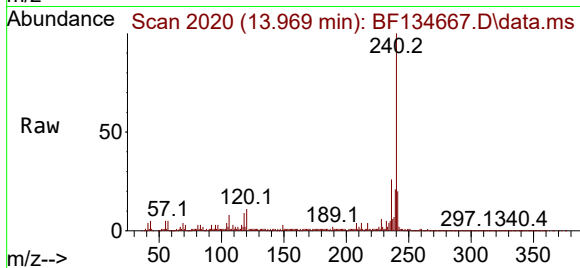
Tgt Ion:240 Resp: 363736

Ion Ratio Lower Upper

240 100

120 10.8 6.6 10.0#

236 26.1 20.2 30.2



#78

Pyrene

Concen: 8.657 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

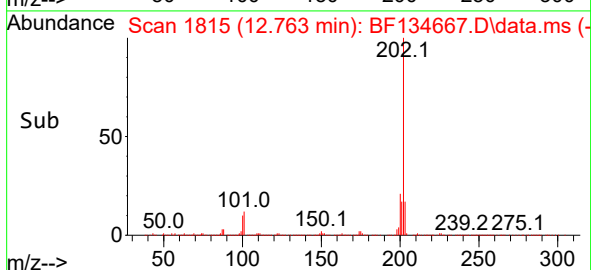
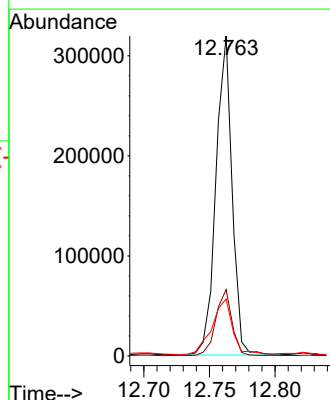
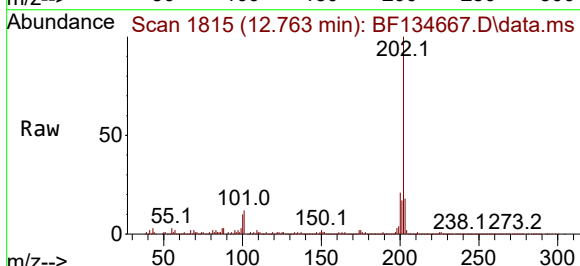
Tgt Ion:202 Resp: 272469

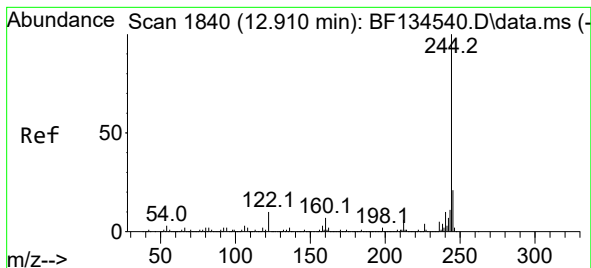
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 17.8 13.5 20.3





#79

Terphenyl-d14

Concen: 52.477 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

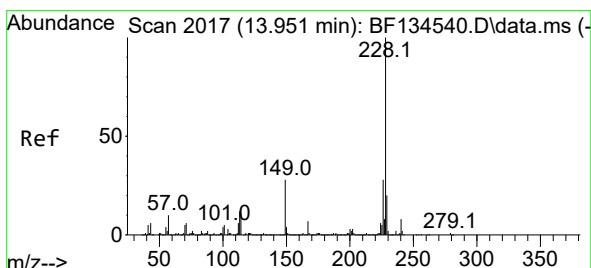
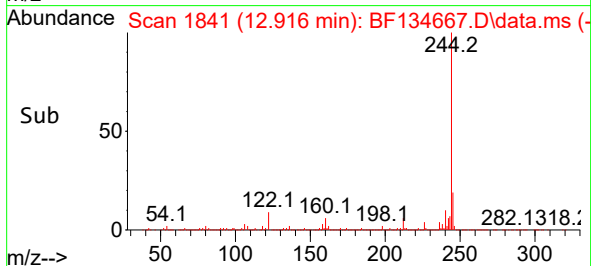
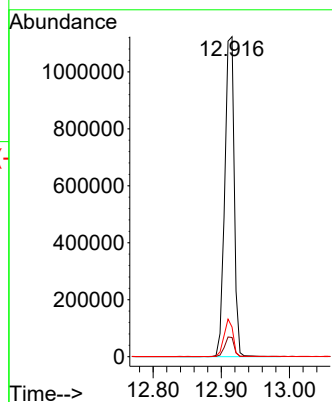
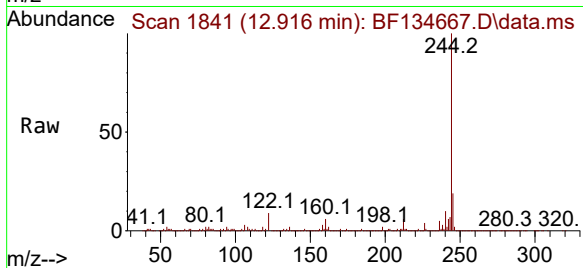
Tgt Ion:244 Resp: 1082771

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

122 9.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 4.971 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

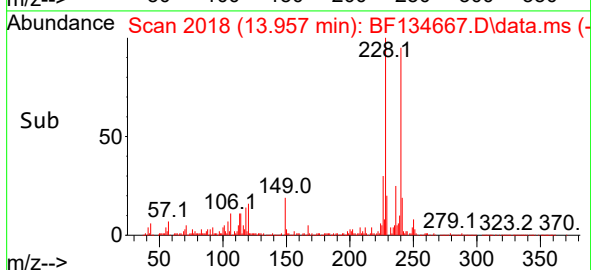
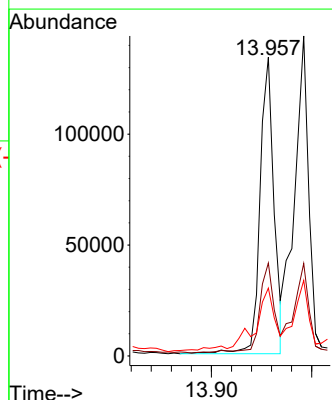
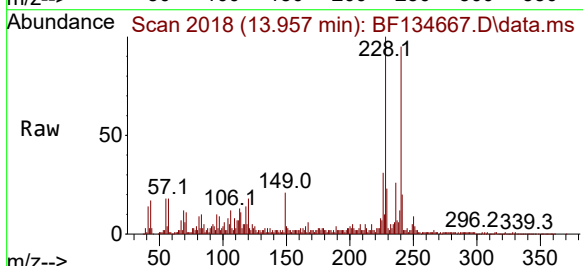
Tgt Ion:228 Resp: 129294

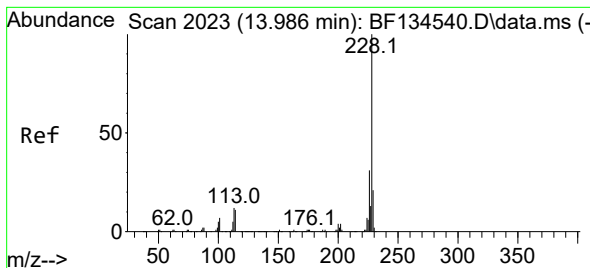
Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

229 22.7 15.8 23.6





#83

Chrysene

Concen: 5.604 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

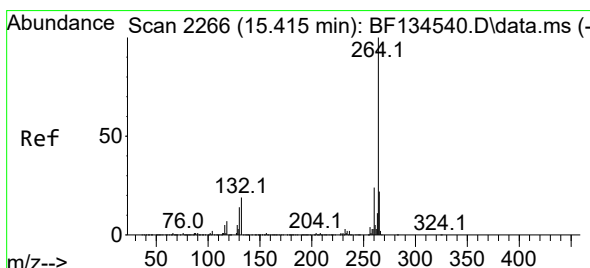
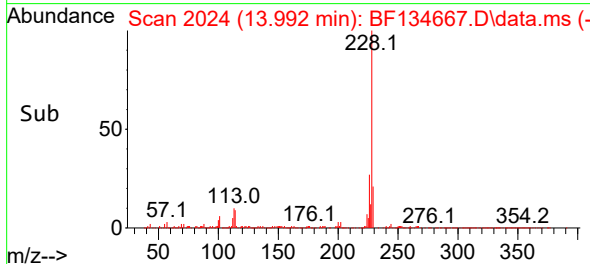
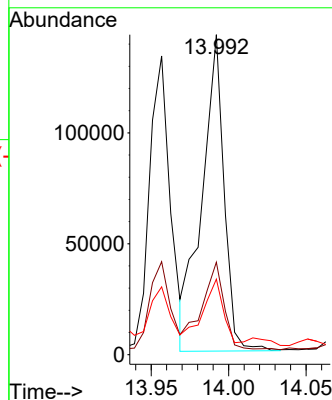
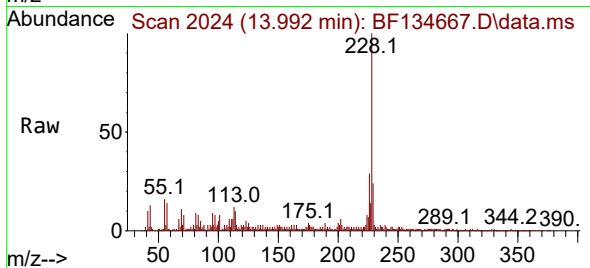
Tgt Ion:228 Resp: 142010

Ion Ratio Lower Upper

228 100

226 28.9 24.5 36.7

229 23.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

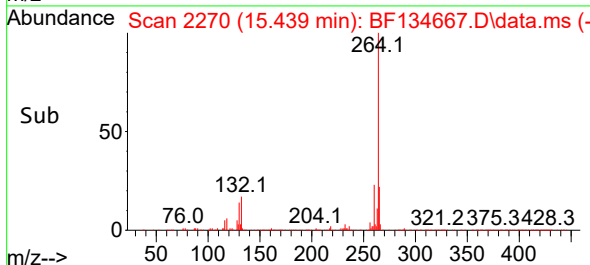
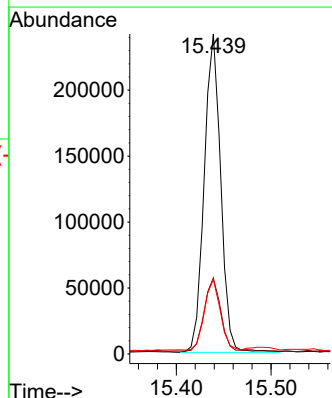
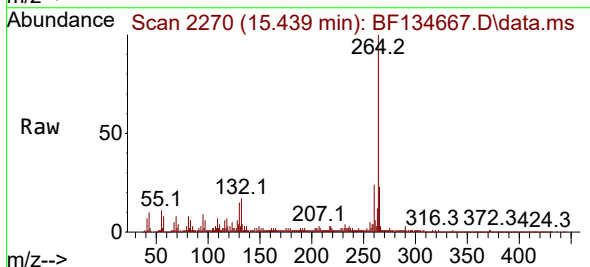
Tgt Ion:264 Resp: 292029

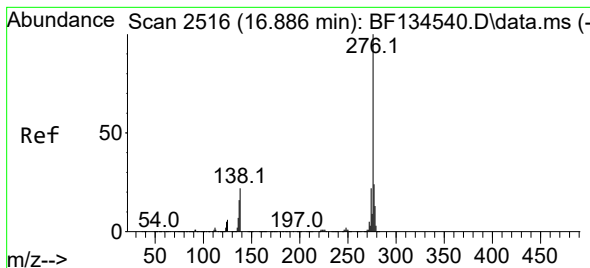
Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 23.3 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.058 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

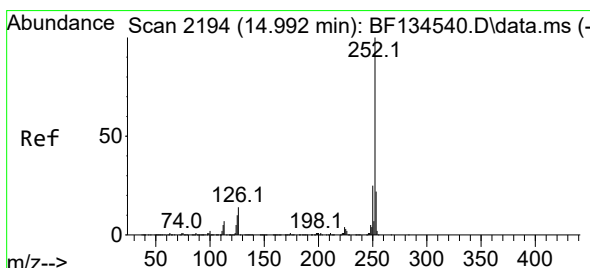
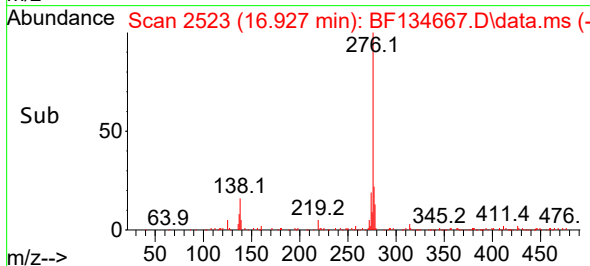
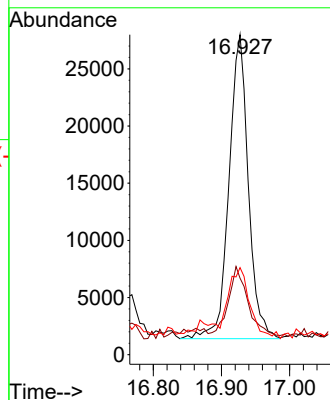
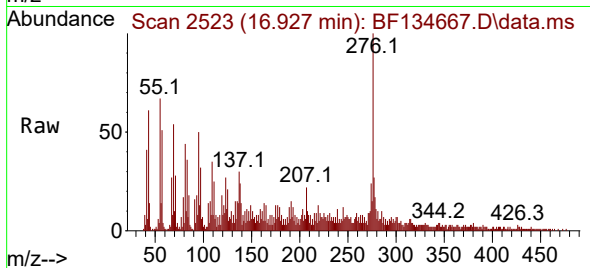
Tgt Ion:276 Resp: 52519

Ion Ratio Lower Upper

276 100

138 22.9 14.2 21.4#

277 23.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 10.602 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

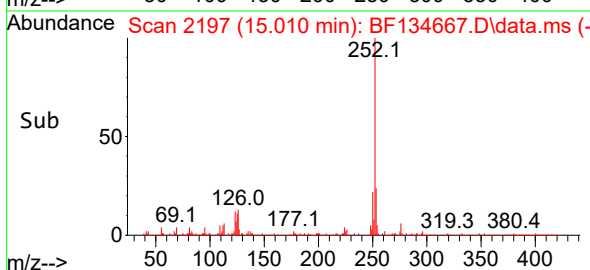
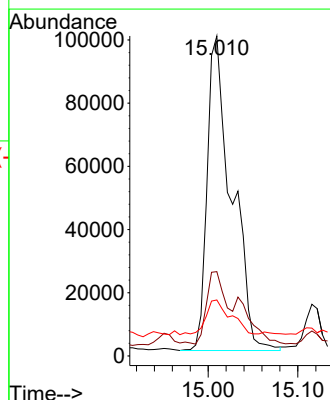
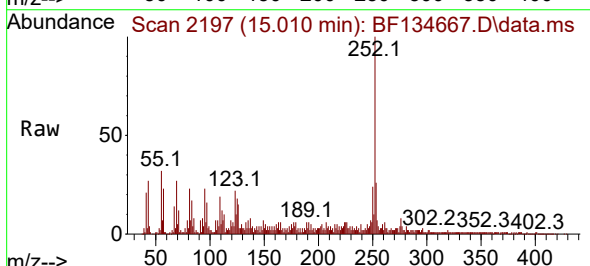
Tgt Ion:252 Resp: 188832

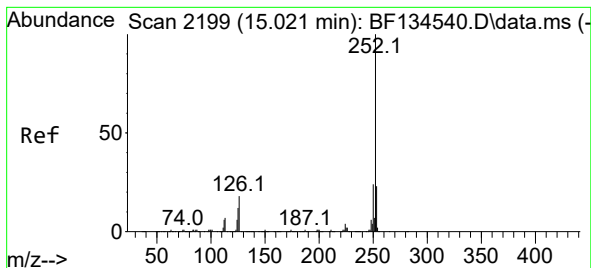
Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 17.5 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 10.643 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933

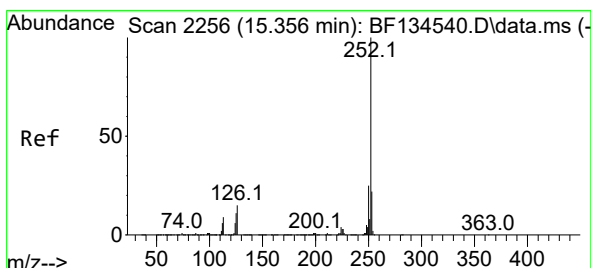
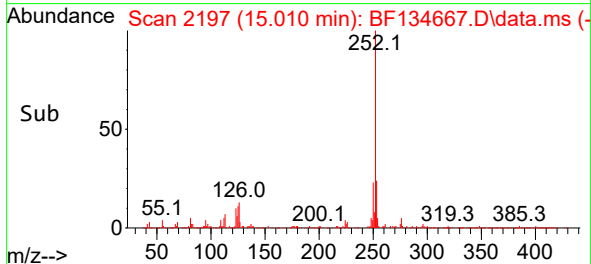
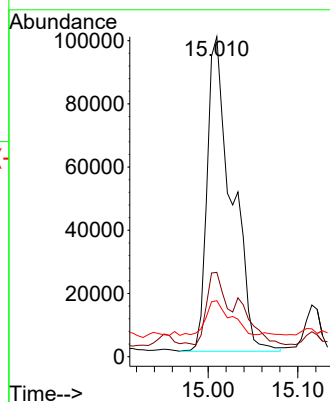
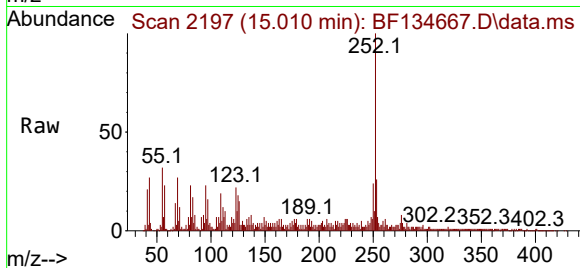
Tgt Ion:252 Resp: 188832

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

125 17.5 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 5.167 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF134667.D

Acq: 08 Aug 2023 12:40

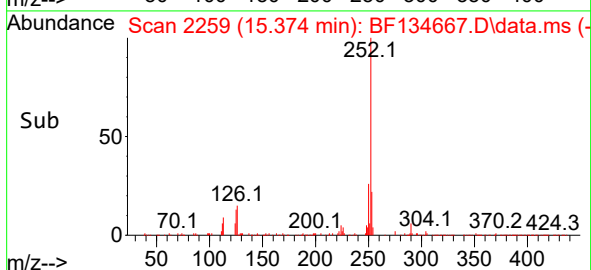
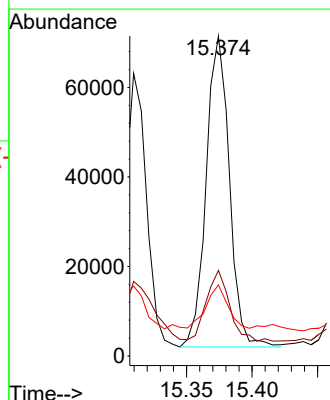
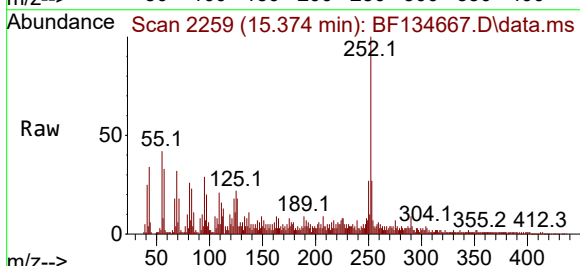
Tgt Ion:252 Resp: 85807

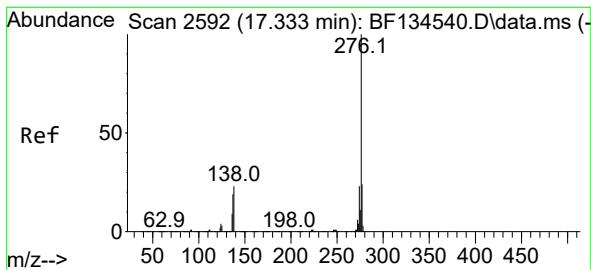
Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.4#

125 22.2 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 3.668 ng

RT: 17.368 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134667.D

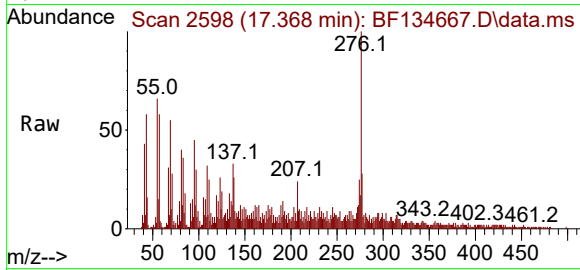
Acq: 08 Aug 2023 12:40

Instrument :

BNA_F

ClientSampleId :

72-11933



Tgt Ion:276 Resp: 51928

Ion Ratio Lower Upper

276 100

277 28.3 19.0 28.6

138 26.1 12.2 18.2#

