

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134456.D
 Acq On : 25 Jul 2023 05:47
 Operator : CG\JU
 Sample : 03659-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-071823

Quant Time: Jul 25 06:44:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

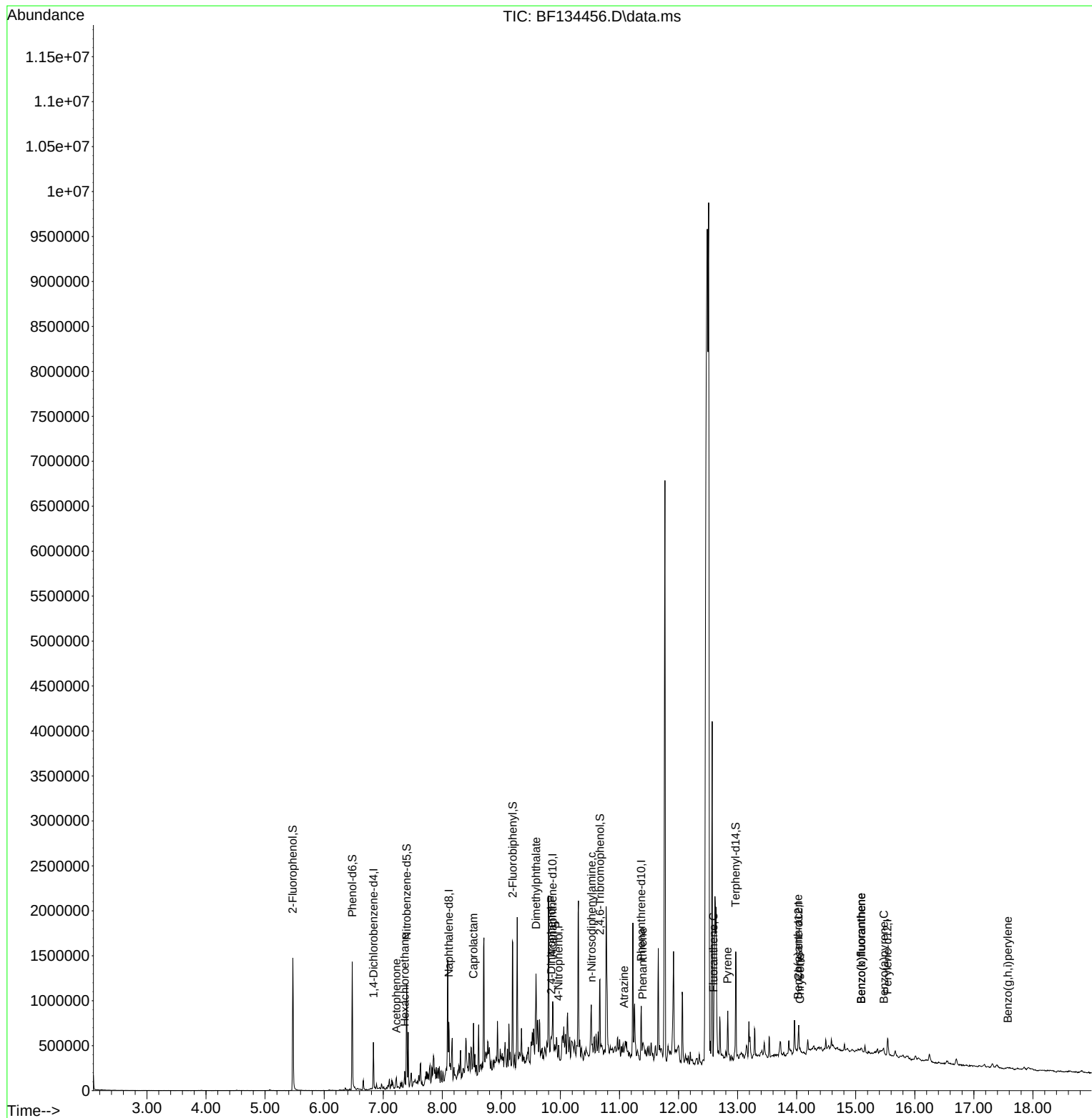
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	65662	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	228340	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	104208	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	179506	20.000	ng	0.00
76) Chrysene-d12	14.033	240	101360	20.000	ng	0.00
86) Perylene-d12	15.539	264	83090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	378890	95.336	ng	0.00
7) Phenol-d6	6.475	99	398445	81.829	ng	0.00
23) Nitrobenzene-d5	7.398	82	293111	64.946	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	114514	77.343	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	422721	53.254	ng	0.00
79) Terphenyl-d14	12.969	244	397497	68.459	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.363	117	6757	3.947	ng	# 1
22) Acetophenone	7.222	105	16382	2.885	ng	# 53
35) Caprolactam	8.528	113	9281	9.320	ng	# 1
50) Dimethylphthalate	9.586	163	54792	7.093	ng	# 96
54) 2,4-Dinitrophenol	9.845	184	64	6.635	ng	# 1
56) 4-Nitrophenol	9.969	139	2138	2.063	ng	# 1
66) n-Nitrosodiphenylamine	10.528	169	12041	2.108	ng	# 60
69) Atrazine	11.075	200	3254	2.044	ng	# 69
71) Phenanthrene	11.392	178	25696	2.740	ng	# 93
75) Fluoranthene	12.592	202	49263	4.507	ng	96
78) Pyrene	12.827	202	52935	6.568	ng	96
81) Benzo(a)anthracene	14.021	228	19704	2.786	ng	# 81
83) Chrysene	14.057	228	21011	3.106	ng	# 83
88) Benzo(b)fluoranthene	15.092	252	27552	5.300	ng	# 70
89) Benzo(k)fluoranthene	15.092	252	27552	5.390	ng	# 72
90) Benzo(a)pyrene	15.474	252	12731	2.650	ng	# 68
92) Benzo(g,h,i)perylene	17.574	276	9438	2.097	ng	# 71

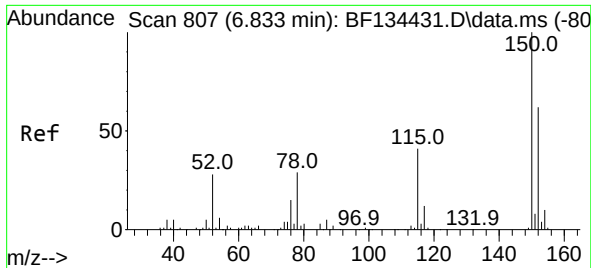
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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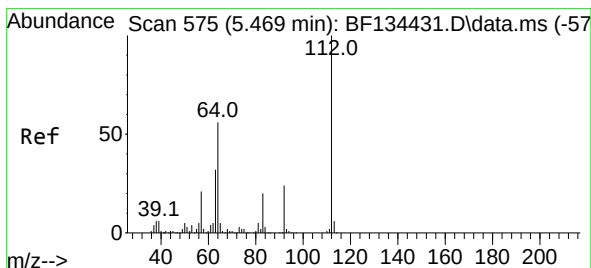
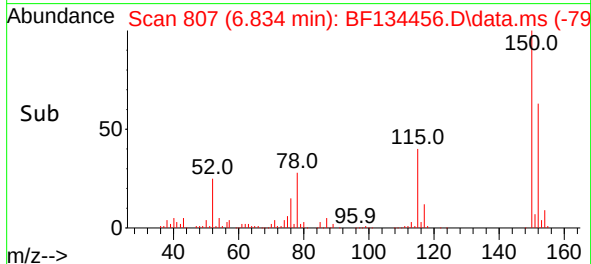
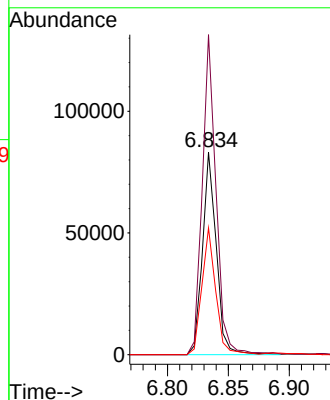
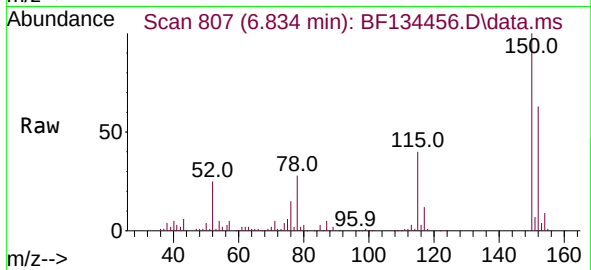




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

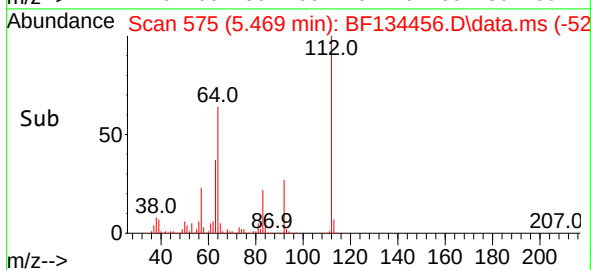
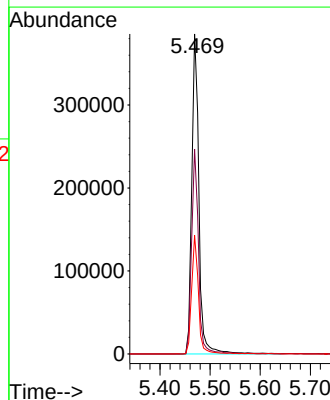
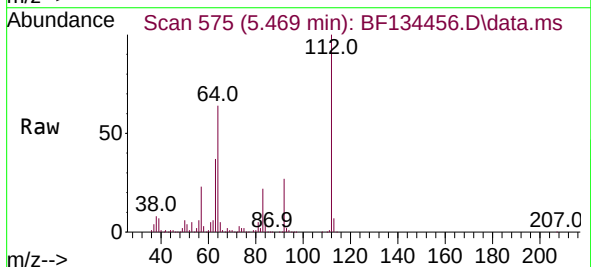
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

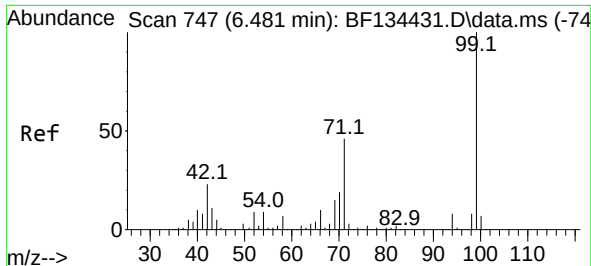
Tgt Ion:152 Resp: 65662
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 62.6 52.4 78.6



#5
2-Fluorophenol
Concen: 95.336 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:112 Resp: 378890
Ion Ratio Lower Upper
112 100
64 64.1 44.9 67.3
63 37.1 25.4 38.0

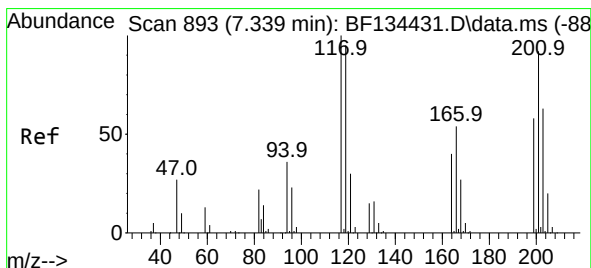
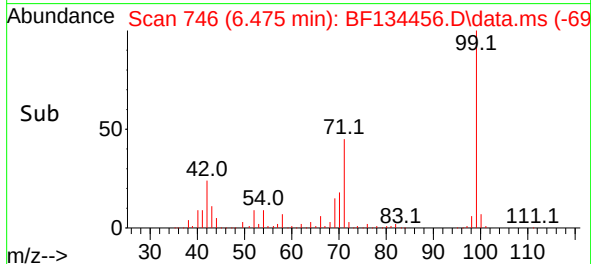
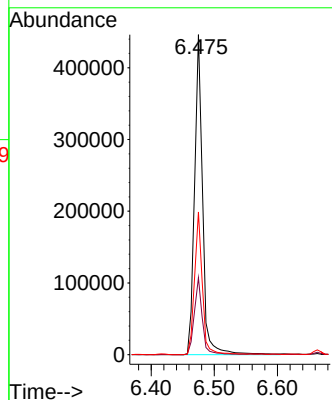
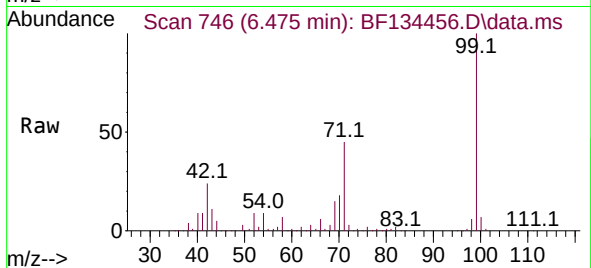




#7
Phenol-d6
Concen: 81.829 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

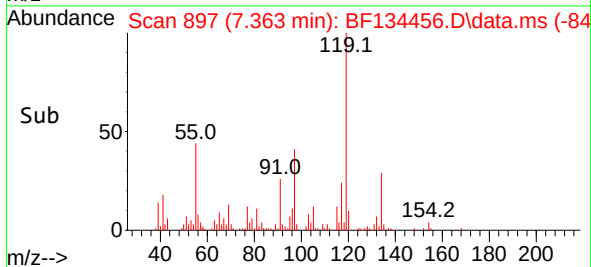
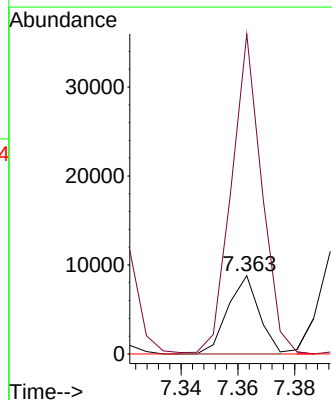
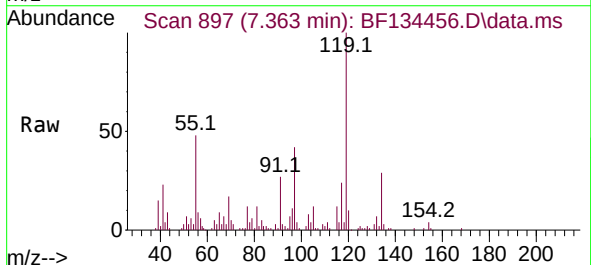
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

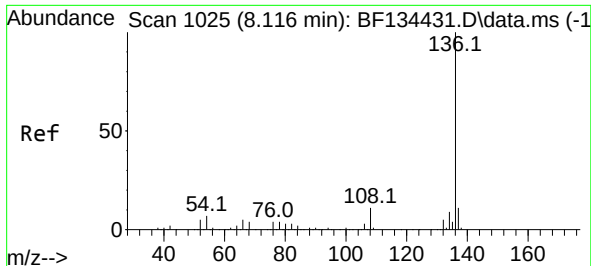
Tgt Ion: 99 Resp: 398445
Ion Ratio Lower Upper
99 100
42 24.0 18.7 28.1
71 44.6 36.4 54.6



#18
Hexachloroethane
Concen: 3.947 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.024 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion: 117 Resp: 6757
Ion Ratio Lower Upper
117 100
119 409.2 75.8 113.8#
201 0.0 73.6 110.4#

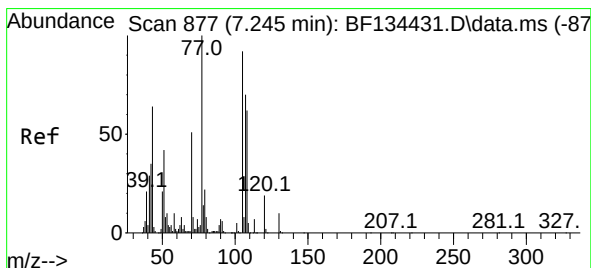
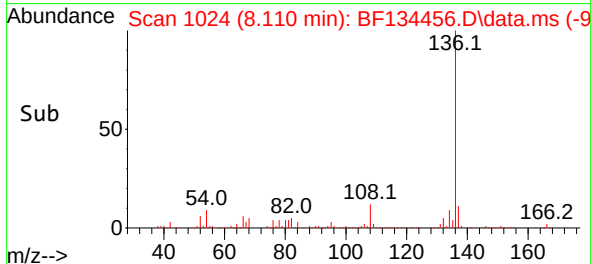
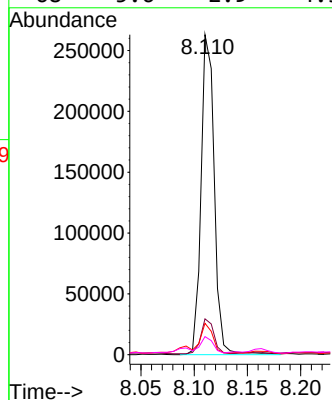
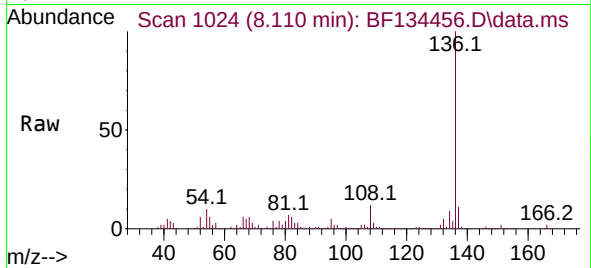




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

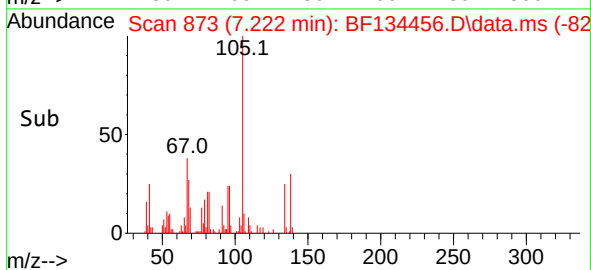
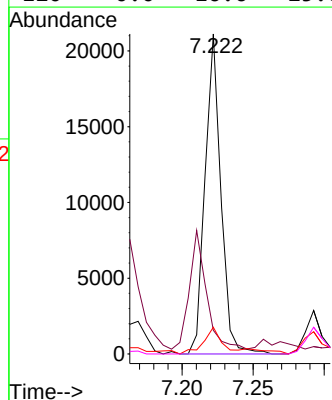
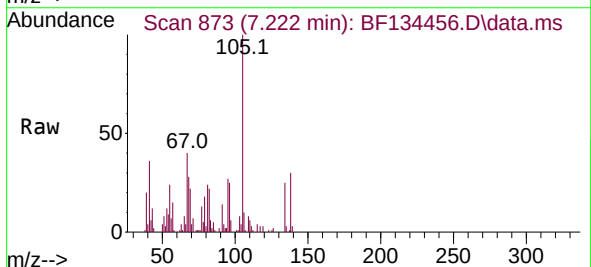
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

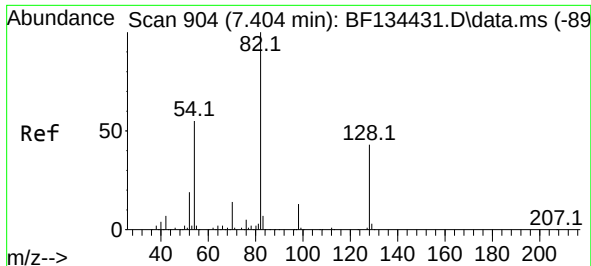
Tgt Ion:136 Resp: 228340
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.8 5.2 7.8#
68 5.6 2.9 4.3#



#22
Acetophenone
Concen: 2.885 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.023 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:105 Resp: 16382
Ion Ratio Lower Upper
105 100
71 7.4 7.4 11.0
51 8.3 36.4 54.6#
120 0.0 16.6 25.0#





#23

Nitrobenzene-d5

Concen: 64.946 ng

RT: 7.398 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

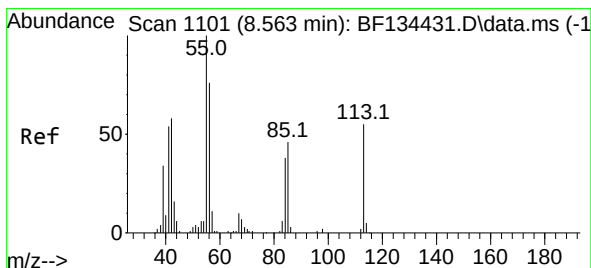
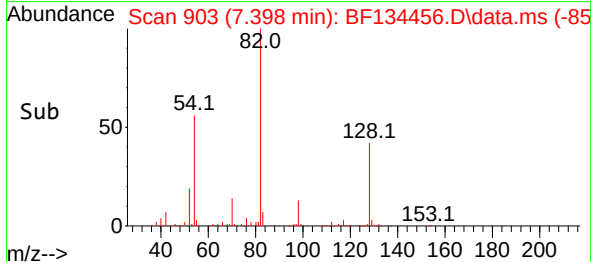
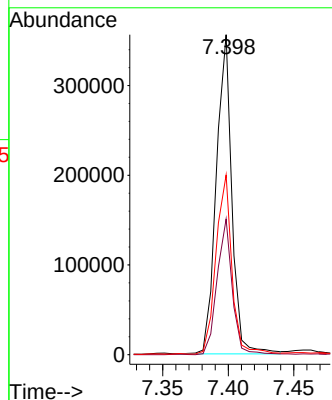
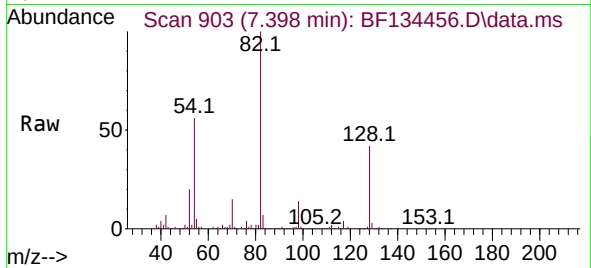
Tgt Ion: 82 Resp: 293111

Ion Ratio Lower Upper

82 100

128 42.4 34.3 51.5

54 56.1 43.8 65.6



#35

Caprolactam

Concen: 9.320 ng

RT: 8.528 min Scan# 1095

Delta R.T. -0.035 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

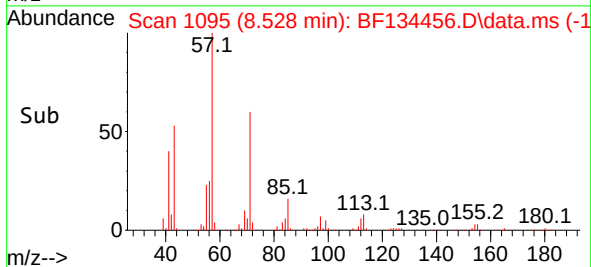
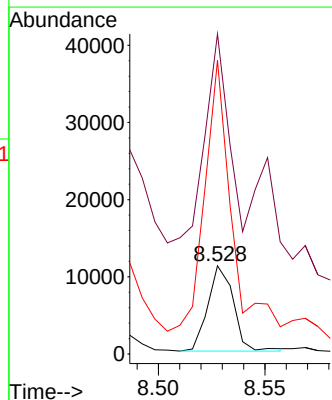
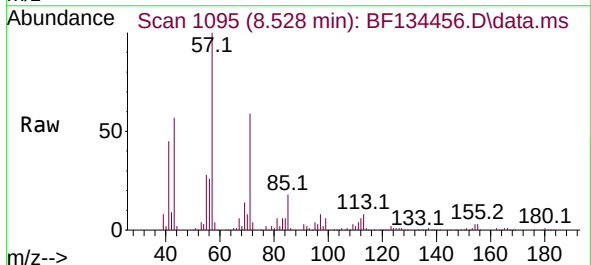
Tgt Ion: 113 Resp: 9281

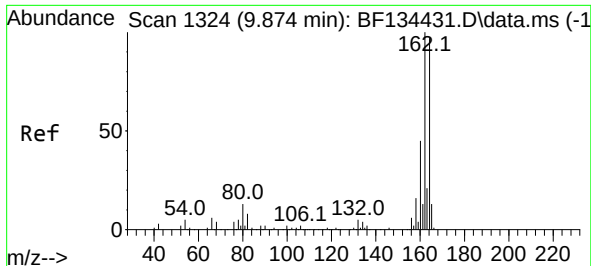
Ion Ratio Lower Upper

113 100

55 363.2 161.5 201.5#

56 333.2 117.8 157.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

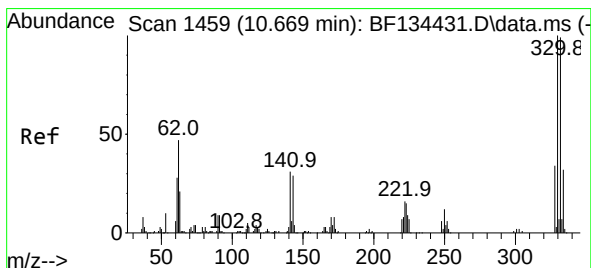
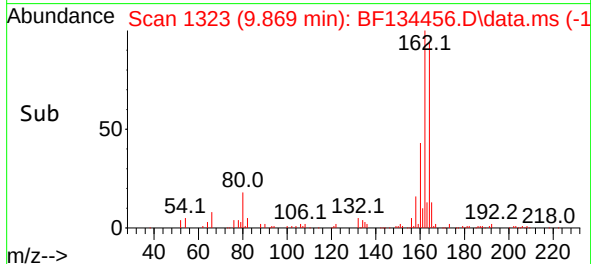
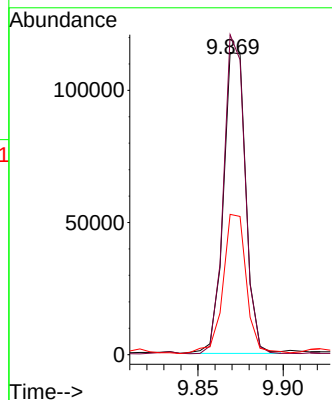
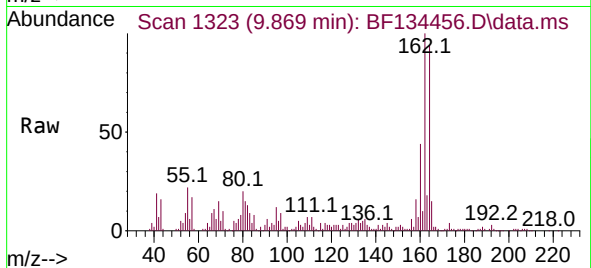
Tgt Ion:164 Resp: 104208

Ion Ratio Lower Upper

164 100

162 105.8 82.6 123.8

160 46.4 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 77.343 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

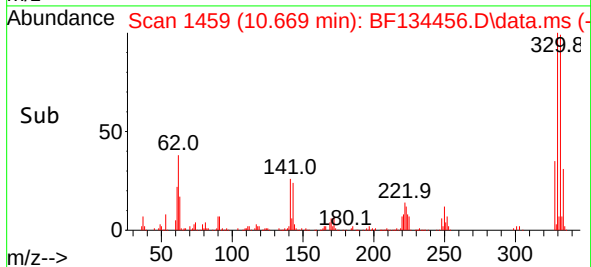
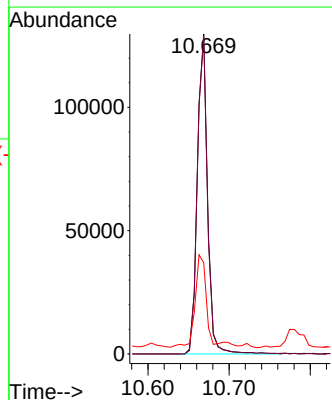
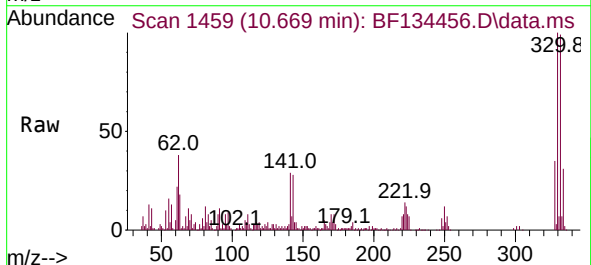
Tgt Ion:330 Resp: 114514

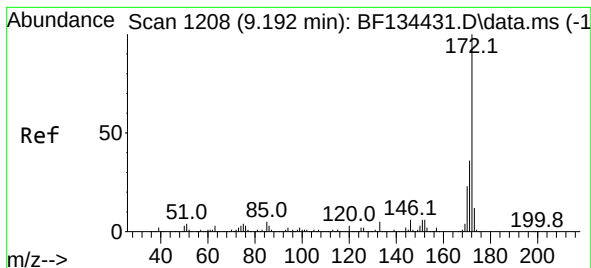
Ion Ratio Lower Upper

330 100

332 98.6 78.8 118.2

141 31.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 53.254 ng

RT: 9.192 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

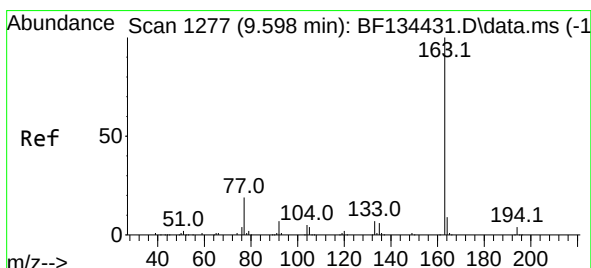
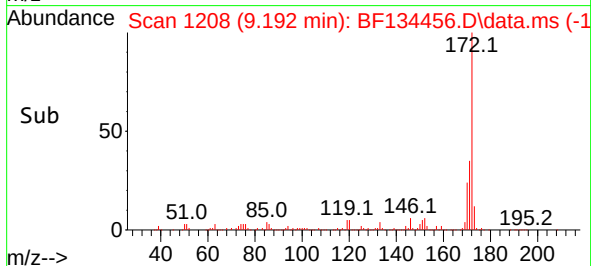
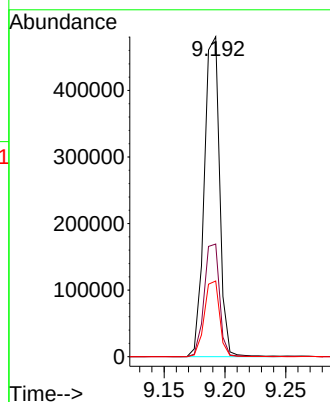
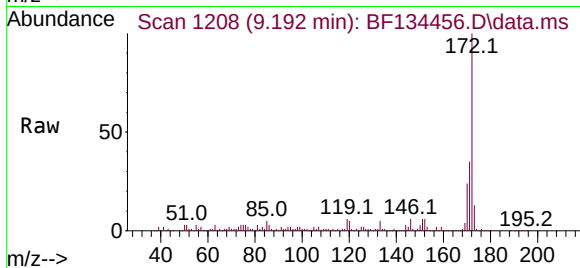
Tgt Ion:172 Resp: 422721

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 18.7 28.1



#50

Dimethylphthalate

Concen: 7.093 ng

RT: 9.586 min Scan# 1275

Delta R.T. -0.012 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

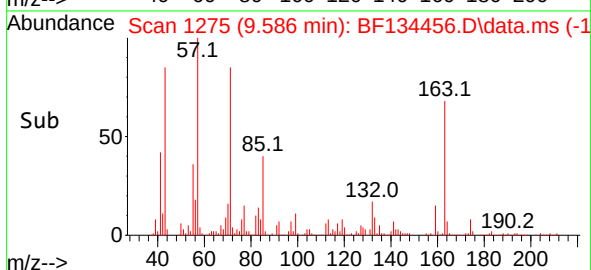
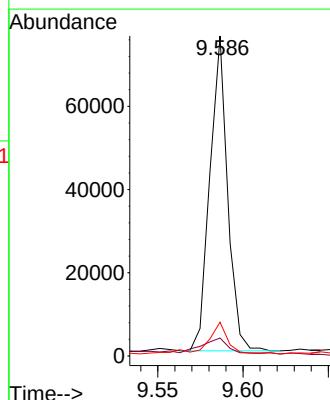
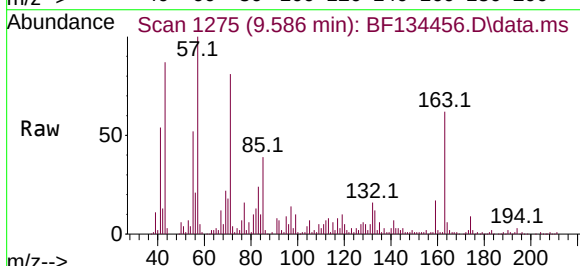
Tgt Ion:163 Resp: 54792

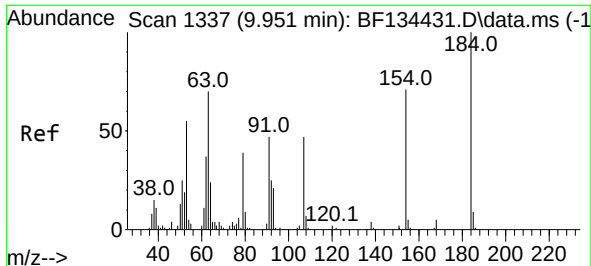
Ion Ratio Lower Upper

163 100

194 5.6 3.3 4.9#

164 10.6 7.5 11.3

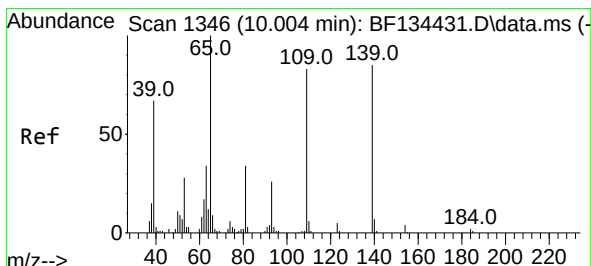
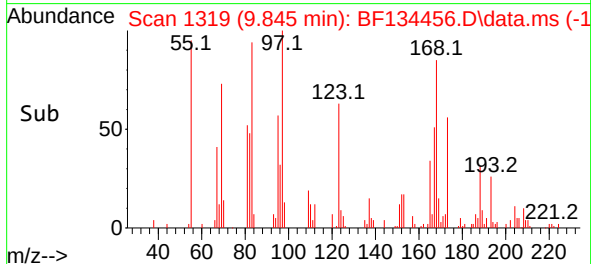
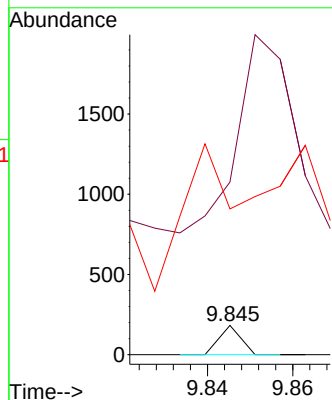
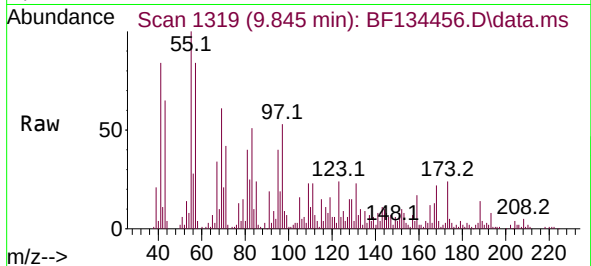




#54
2,4-Dinitrophenol
Concen: 6.635 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

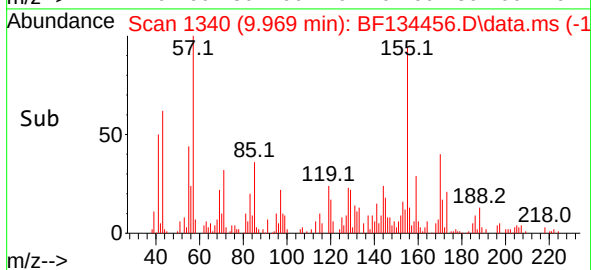
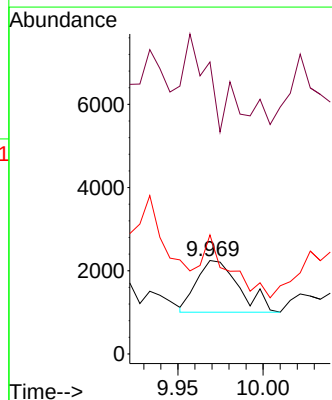
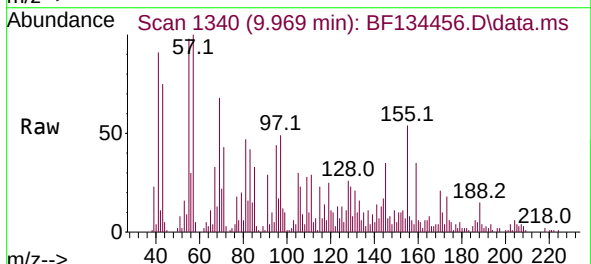
Instrument :
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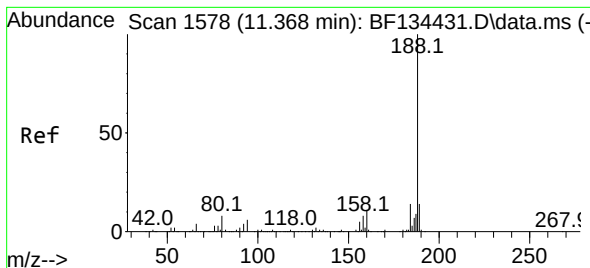
Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 591.2 57.1 85.7#
154 499.5 59.1 88.7#



#56
4-Nitrophenol
Concen: 2.063 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.035 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:139 Resp: 2138
Ion Ratio Lower Upper
139 100
109 312.4 76.9 116.9#
65 127.4 98.5 138.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

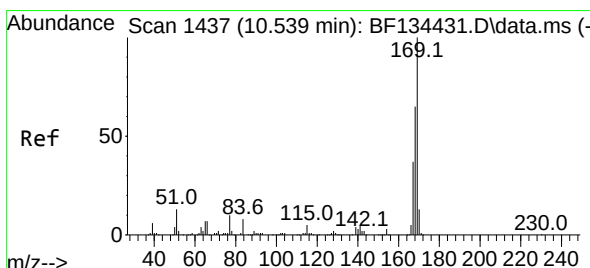
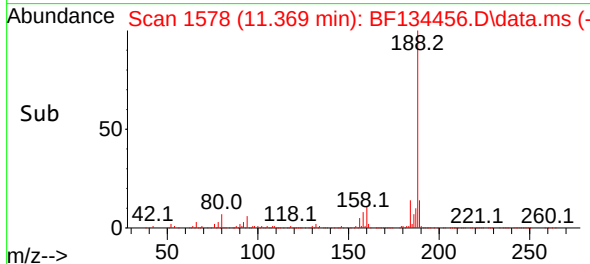
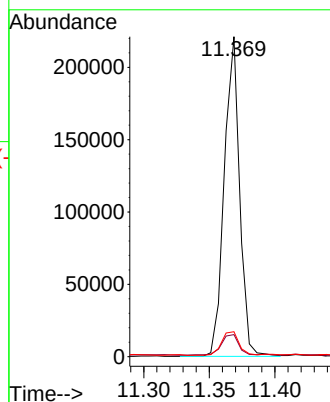
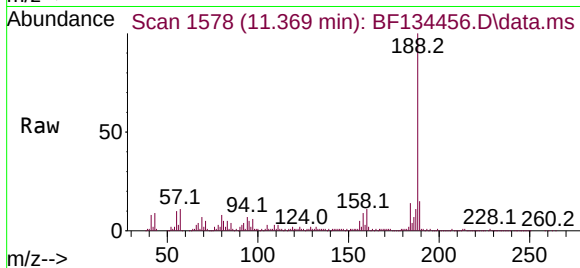
Tgt Ion:188 Resp: 179506

Ion Ratio Lower Upper

188 100

94 6.9 5.1 7.7

80 7.8 6.6 9.8



#66

n-Nitrosodiphenylamine

Concen: 2.108 ng

RT: 10.528 min Scan# 1435

Delta R.T. -0.012 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

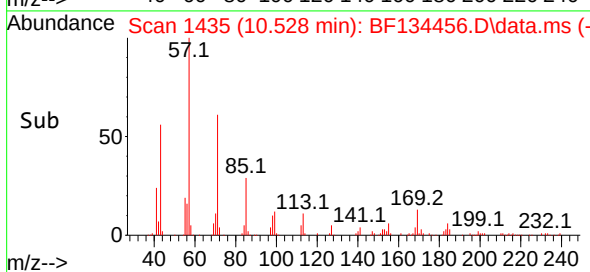
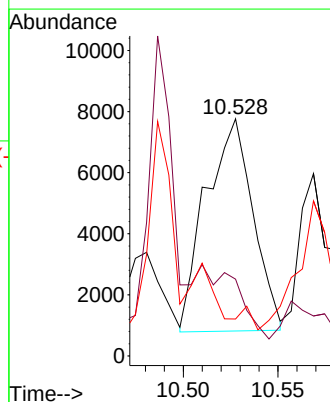
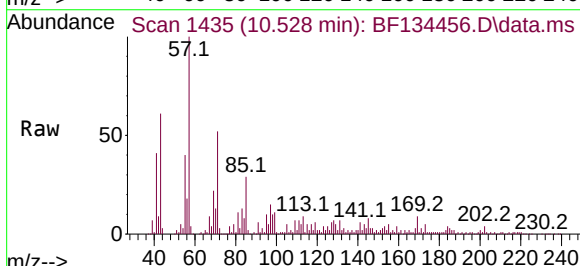
Tgt Ion:169 Resp: 12041

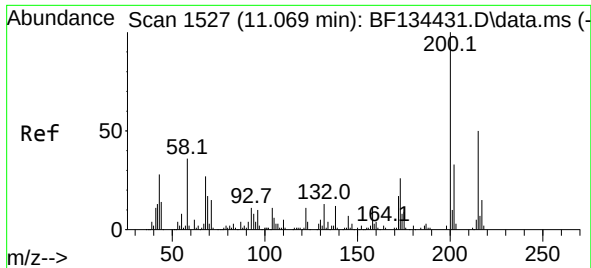
Ion Ratio Lower Upper

169 100

168 32.4 52.6 78.8#

167 15.6 29.8 44.8#

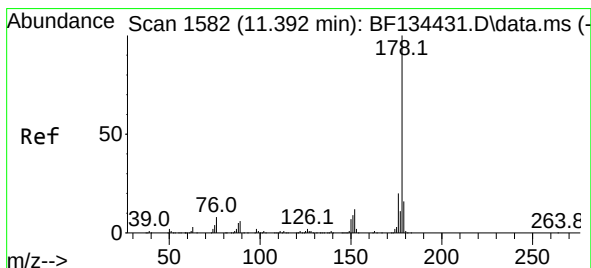
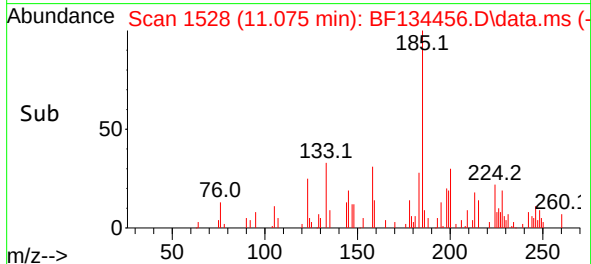
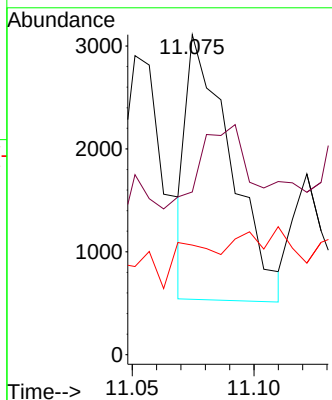
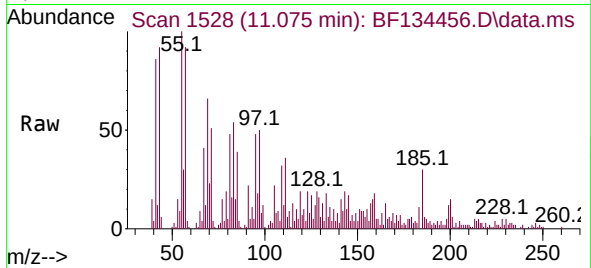




#69
Atrazine
Concen: 2.044 ng
RT: 11.075 min Scan# 1527
Delta R.T. 0.006 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

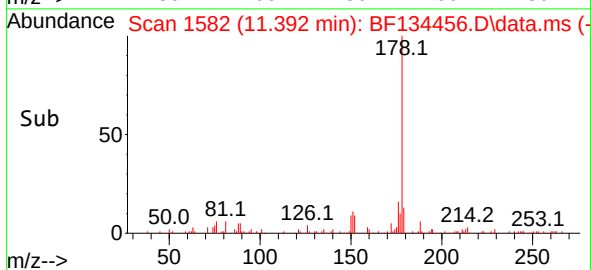
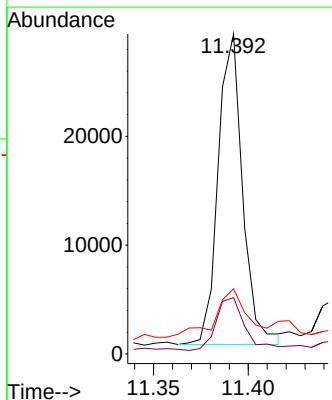
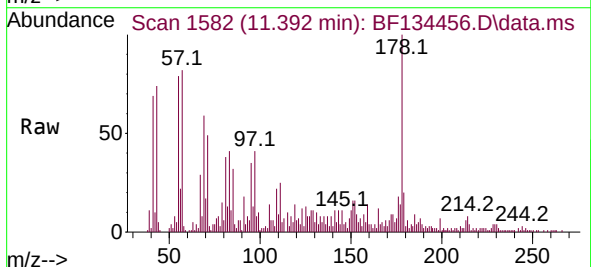
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

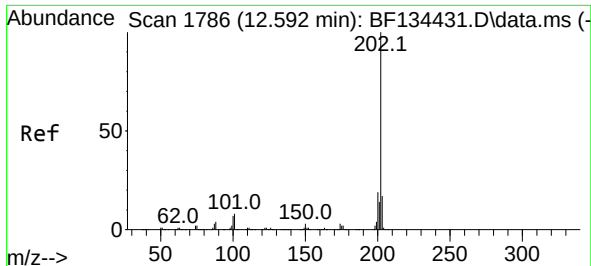
Tgt Ion:200 Resp: 3254
Ion Ratio Lower Upper
200 100
173 50.8 6.1 46.1#
215 34.2 29.7 69.7



#71
Phenanthrene
Concen: 2.740 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:178 Resp: 25696
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.6
179 20.3 12.7 19.1#

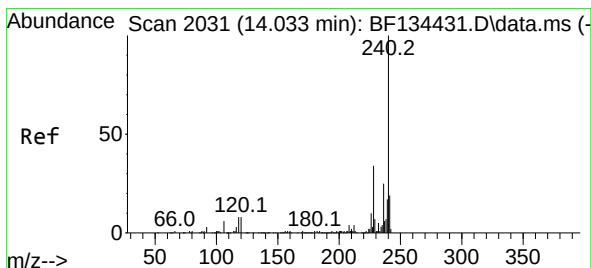
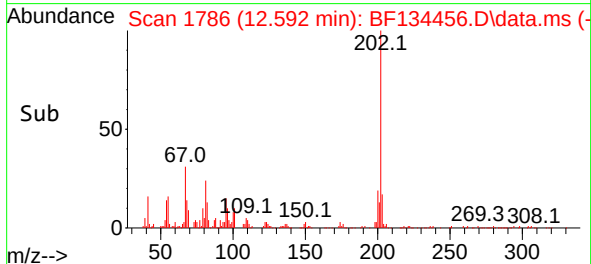
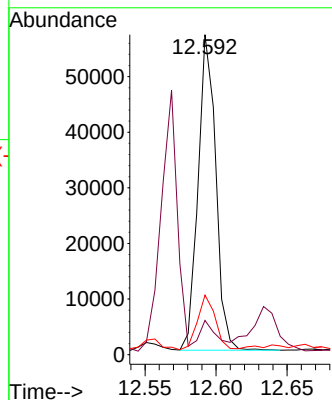
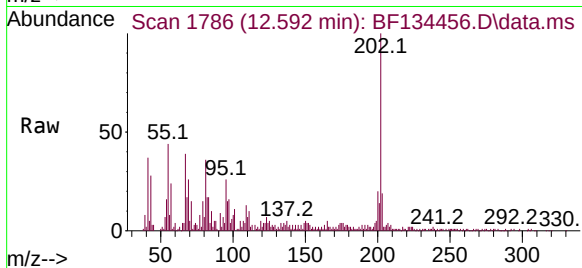




#75
Fluoranthene
Concen: 4.507 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

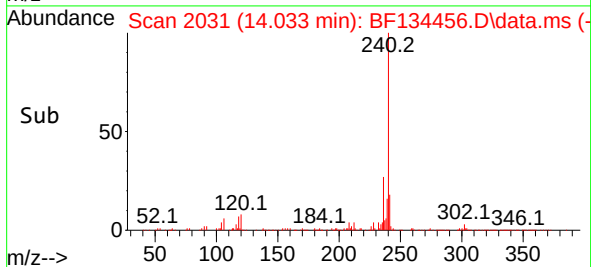
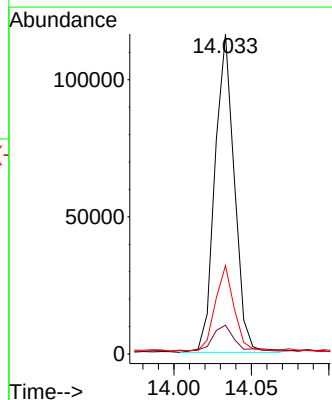
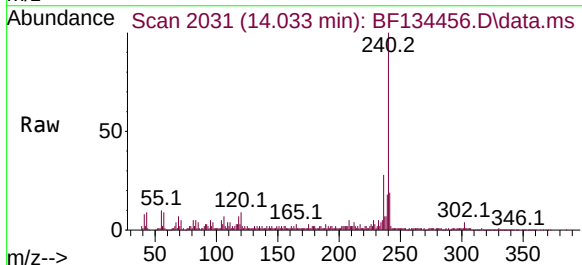
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

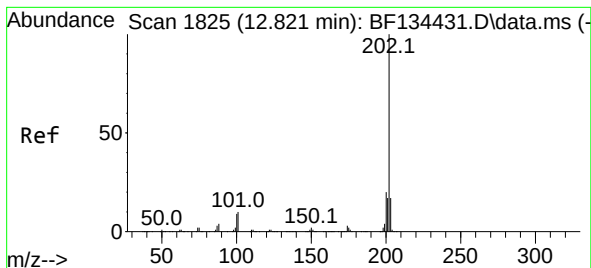
Tgt Ion:202 Resp: 49263
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.5
203 18.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:240 Resp: 101360
Ion Ratio Lower Upper
240 100
120 9.0 6.6 10.0
236 27.6 20.2 30.2





#78

Pyrene

Concen: 6.568 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

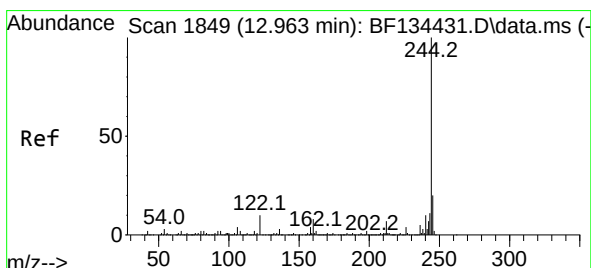
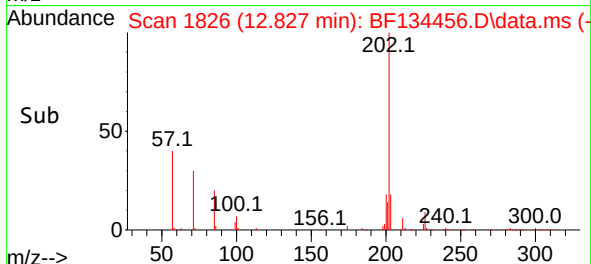
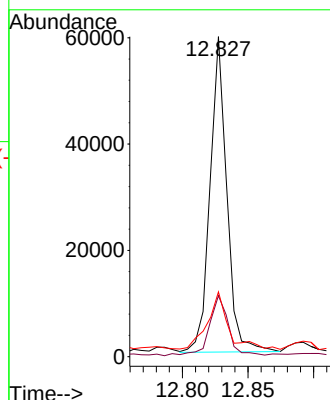
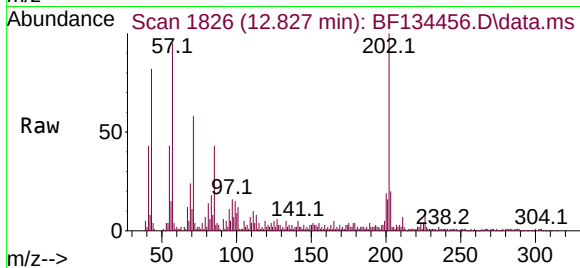
Instrument :

BNA_F

ClientSampleId :

HR-2-071823

Tgt Ion:	202	Resp:	52935
Ion	Ratio	Lower	Upper
202	100		
200	19.0	15.8	23.8
203	20.3	13.5	20.3



#79

Terphenyl-d14

Concen: 68.459 ng

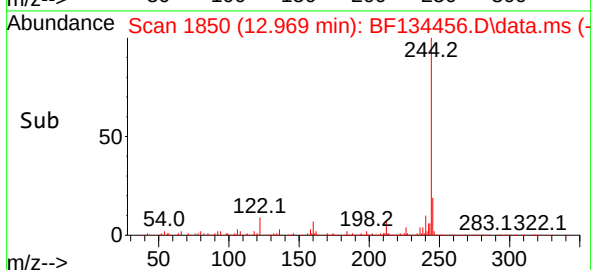
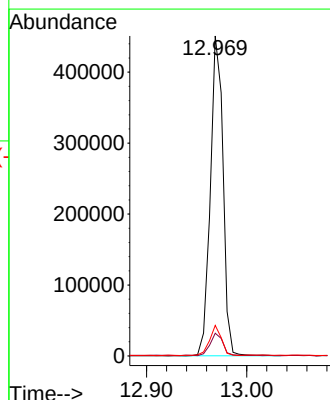
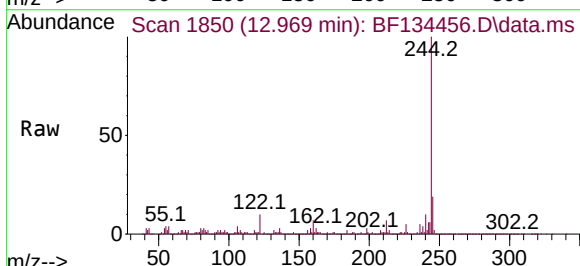
RT: 12.969 min Scan# 1850

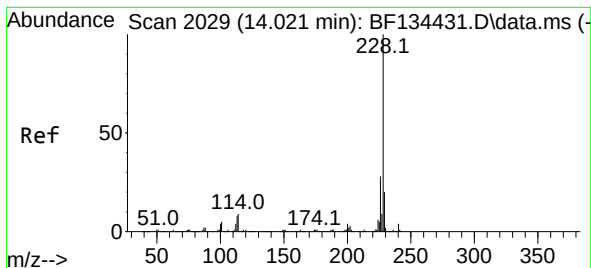
Delta R.T. 0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Tgt Ion:	244	Resp:	397497
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.6	8.0	12.0





#81

Benzo(a)anthracene

Concen: 2.786 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

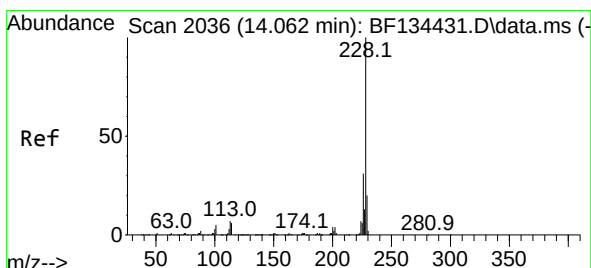
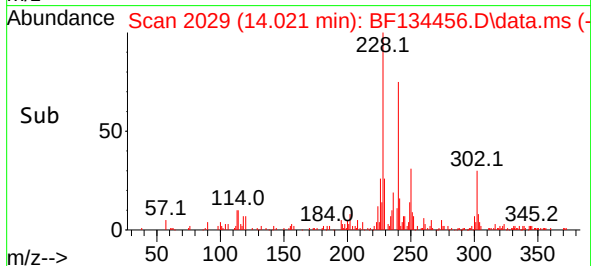
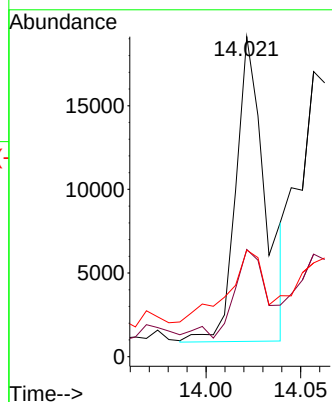
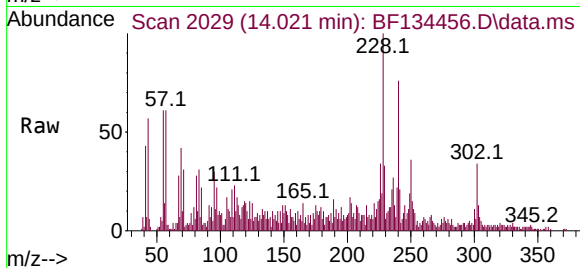
Tgt Ion:228 Resp: 19704

Ion Ratio Lower Upper

228 100

226 33.5 22.3 33.5#

229 33.3 15.8 23.6#



#83

Chrysene

Concen: 3.106 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

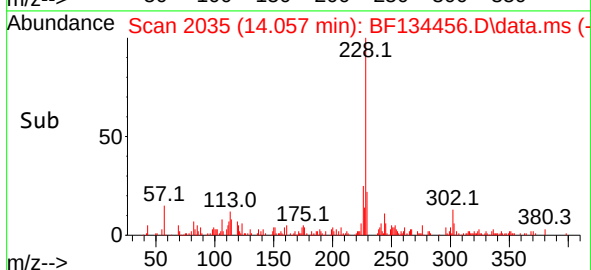
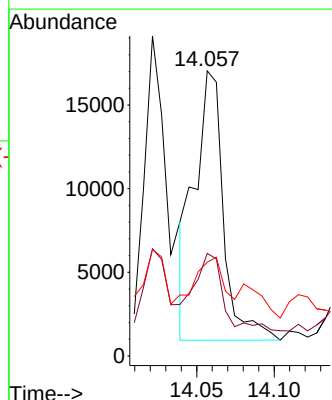
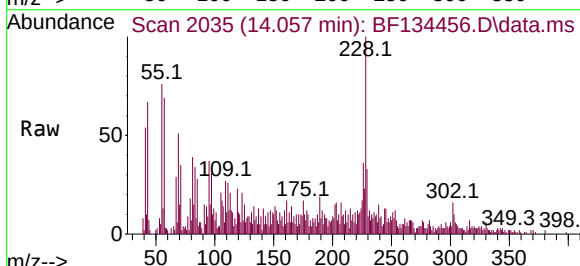
Tgt Ion:228 Resp: 21011

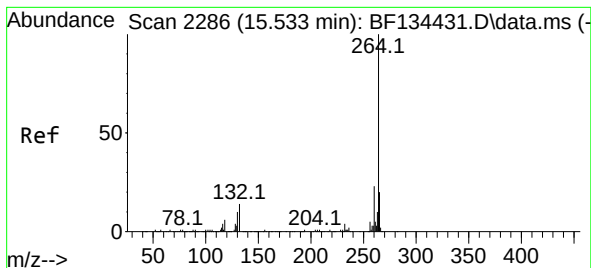
Ion Ratio Lower Upper

228 100

226 36.0 24.5 36.7

229 32.9 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823

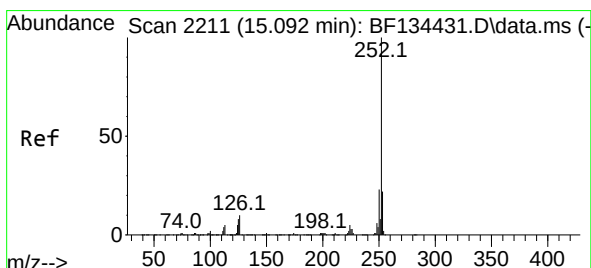
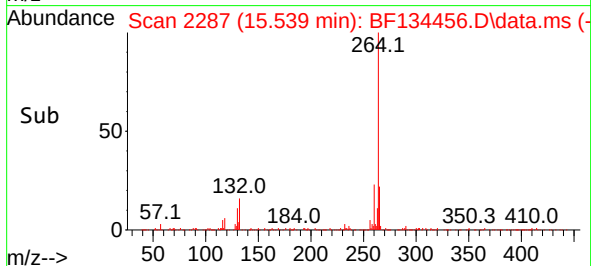
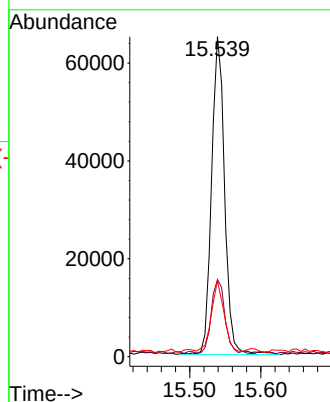
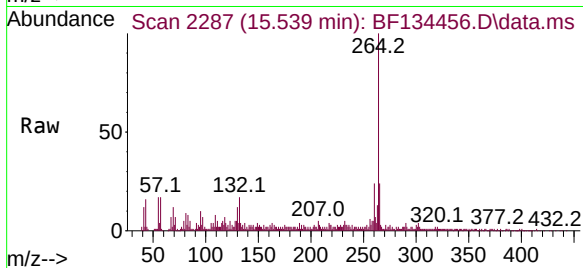
Tgt Ion:264 Resp: 83090

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 23.7 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 5.300 ng

RT: 15.092 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF134456.D

Acq: 25 Jul 2023 05:47

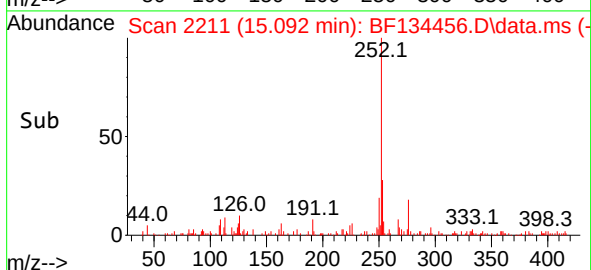
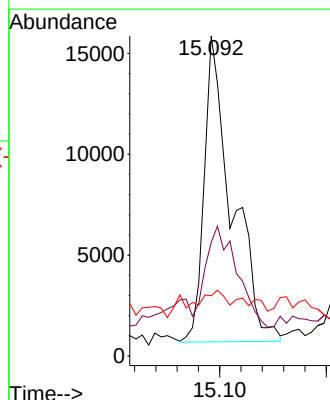
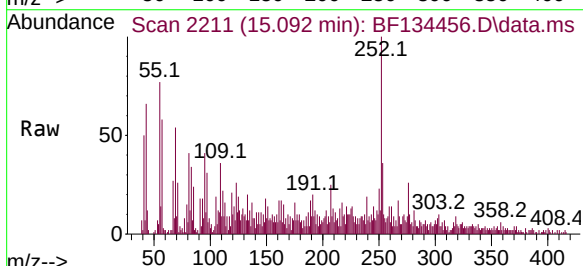
Tgt Ion:252 Resp: 27552

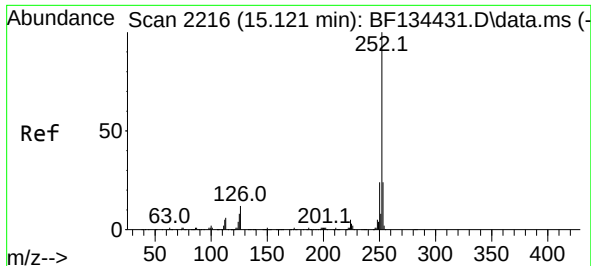
Ion Ratio Lower Upper

252 100

253 35.5 17.3 25.9#

125 18.8 6.0 9.0#

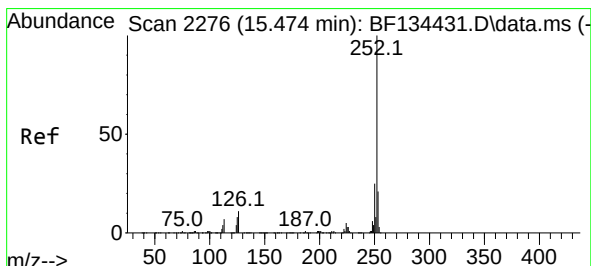
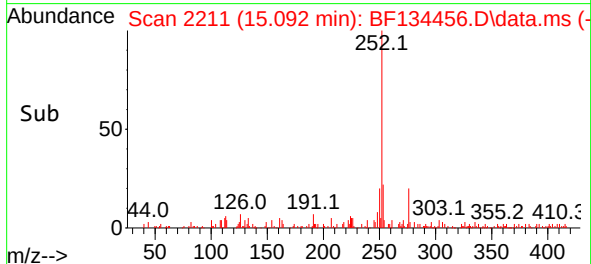
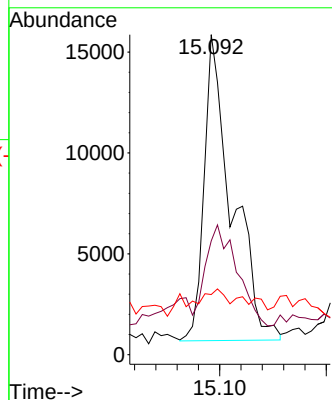
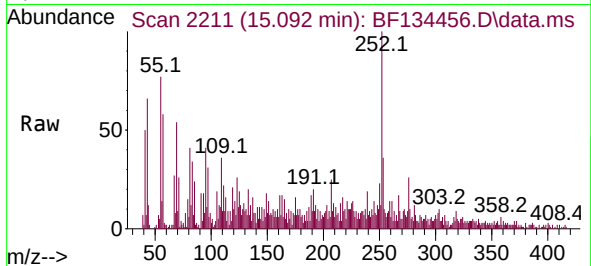




#89
Benzo(k)fluoranthene
Concen: 5.390 ng
RT: 15.092 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

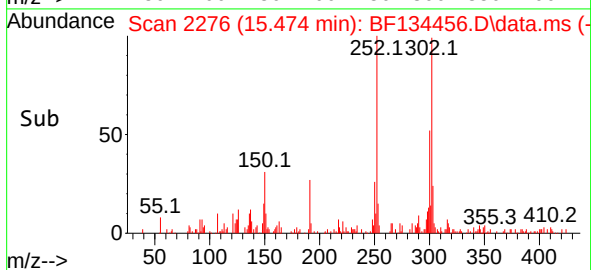
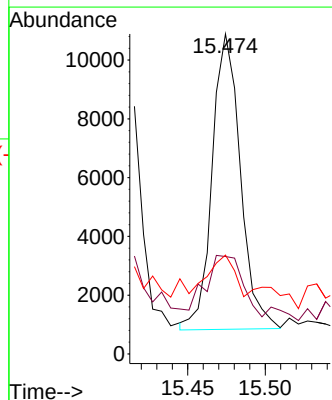
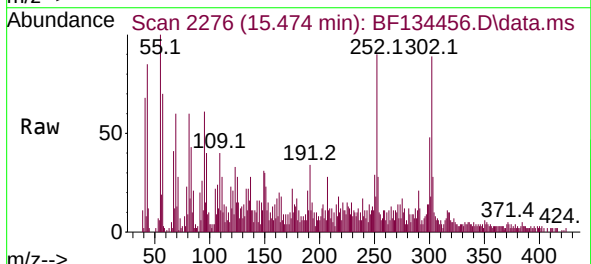
Instrument :
BNA_F
ClientSampleId :
HR-2-071823

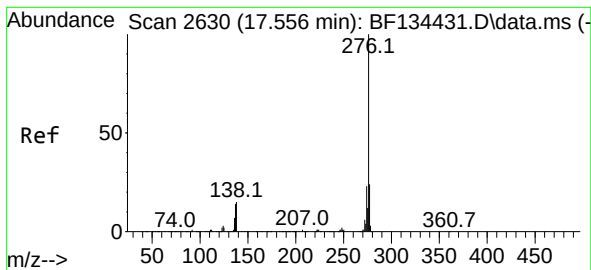
Tgt Ion:252 Resp: 27552
Ion Ratio Lower Upper
252 100
253 35.5 17.9 26.9#
125 18.8 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 2.650 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF134456.D
Acq: 25 Jul 2023 05:47

Tgt Ion:252 Resp: 12731
Ion Ratio Lower Upper
252 100
253 30.4 17.0 25.4#
125 30.9 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 2.097 ng

RT: 17.574 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF134456.D

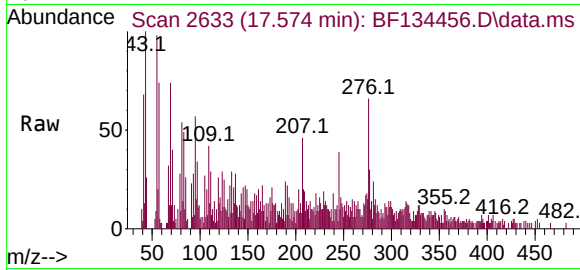
Acq: 25 Jul 2023 05:47

Instrument :

BNA_F

ClientSampleId :

HR-2-071823



Tgt Ion:276 Resp: 9438

Ion Ratio Lower Upper

276 100

277 45.7 19.0 28.6#

138 17.5 12.2 18.2

