

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134947.D
 Acq On : 25 Aug 2023 18:34
 Operator : CG\JU
 Sample : 04110-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-01(0-0.2)

Quant Time: Aug 26 02:50:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

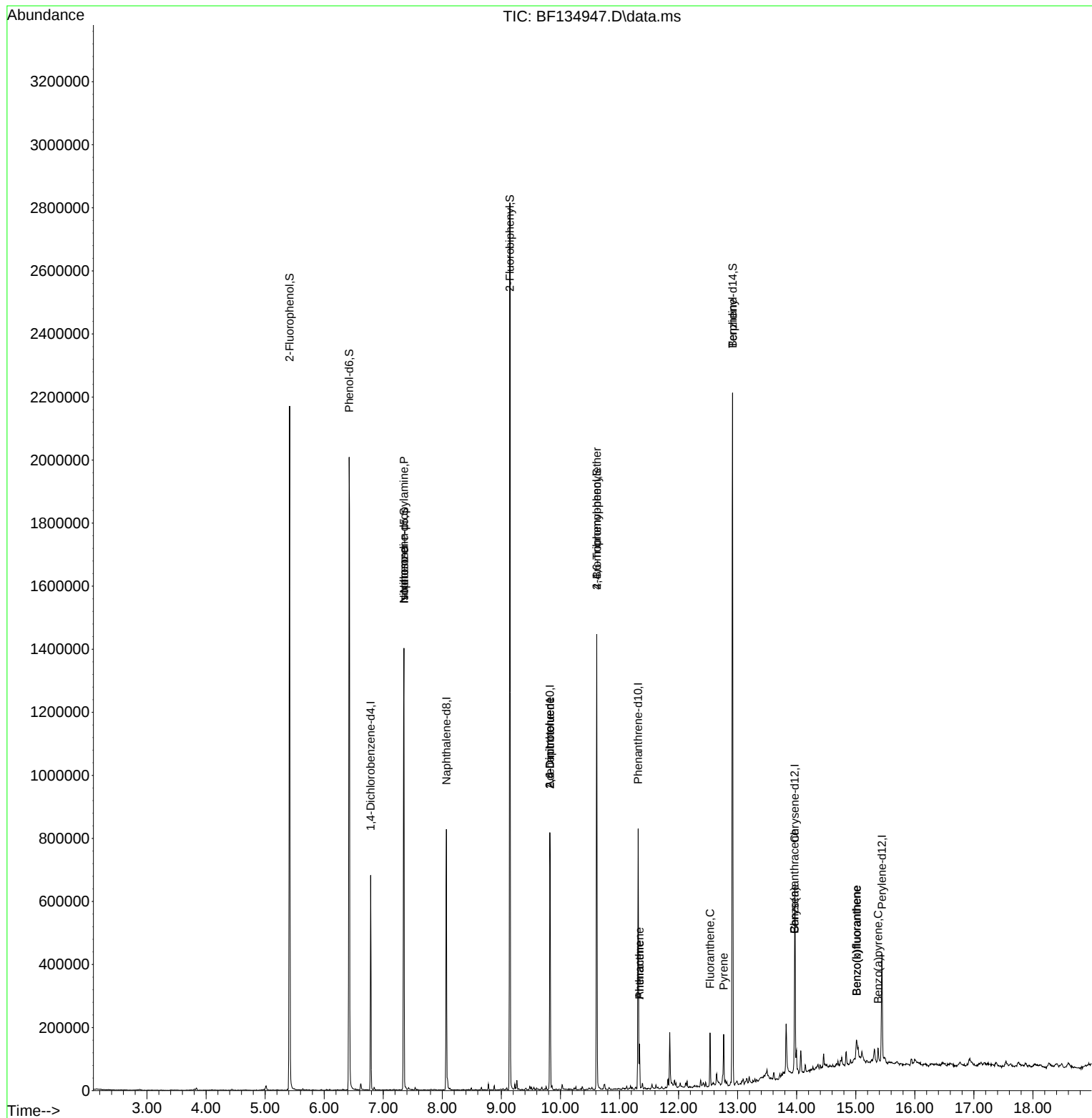
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	87741	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	339876	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	159579	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	278402	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	179560	20.000	ng	-0.01
86) Perylene-d12	15.445	264	157178	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	571116	103.798	ng	0.00
7) Phenol-d6	6.422	99	710549	101.063	ng	-0.02
23) Nitrobenzene-d5	7.351	82	424976	68.901	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	159893	85.075	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	760405	73.663	ng	-0.01
79) Terphenyl-d14	12.915	244	755636	57.881	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	58151	14.162	ng	# 78
25) Isophorone	7.351	82	420969	36.551	ng	# 64
51) 2,6-Dinitrotoluene	9.822	165	20496	8.181	ng	# 28
57) 2,4-Dinitrotoluene	9.822	165	20496	6.615	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	10497	3.268	ng	# 1
71) Phenanthrene	11.339	178	46163	3.164	ng	98
72) Anthracene	11.339	178	46163	3.088	ng	98
75) Fluoranthene	12.533	202	63579	4.600	ng	98
77) Benzidine	12.915	184	9335	3.204	ng	# 94
78) Pyrene	12.763	202	61588	3.235	ng	98
81) Benzo(a)anthracene	13.962	228	26162	2.136	ng	95
83) Chrysene	13.962	228	26162	2.164	ng	98
88) Benzo(b)fluoranthene	15.015	252	41426	4.671	ng	# 97
89) Benzo(k)fluoranthene	15.015	252	41426	4.757	ng	# 95
90) Benzo(a)pyrene	15.380	252	20855	2.356	ng	# 92

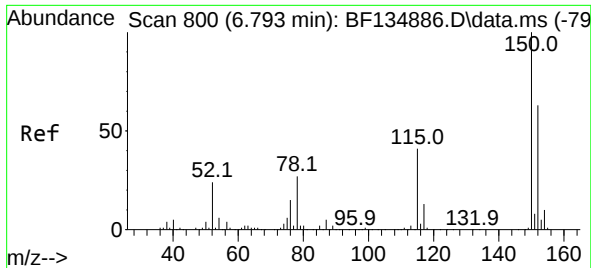
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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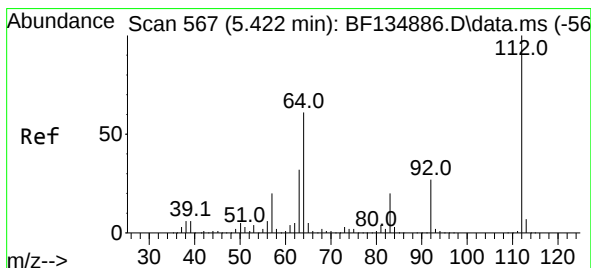
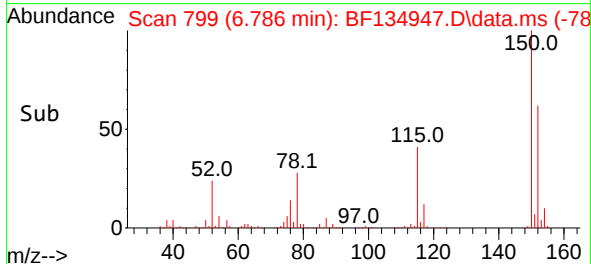
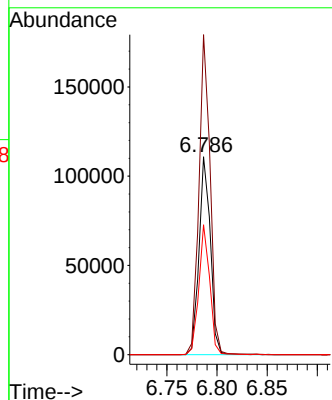
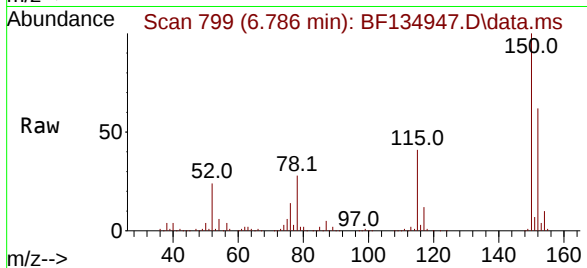




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

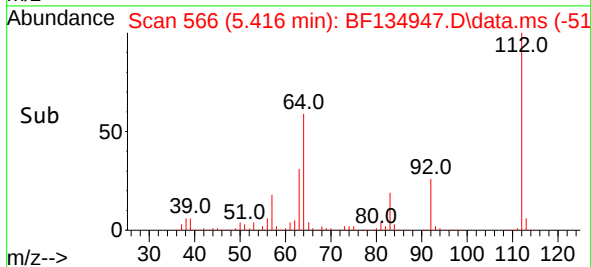
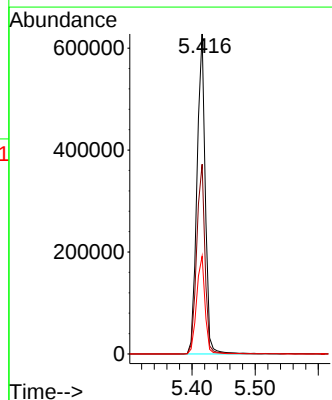
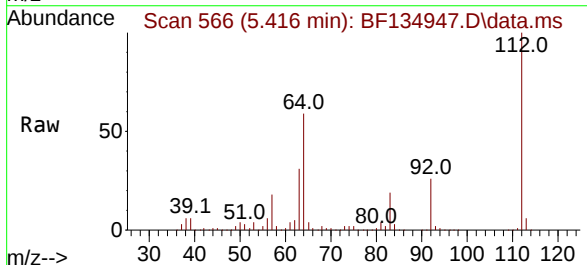
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

Tgt Ion:152 Resp: 87741
Ion Ratio Lower Upper
152 100
150 161.7 126.1 189.1
115 65.6 51.1 76.7



#5
2-Fluorophenol
Concen: 103.798 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:112 Resp: 571116
Ion Ratio Lower Upper
112 100
64 59.3 48.6 73.0
63 30.6 25.7 38.5

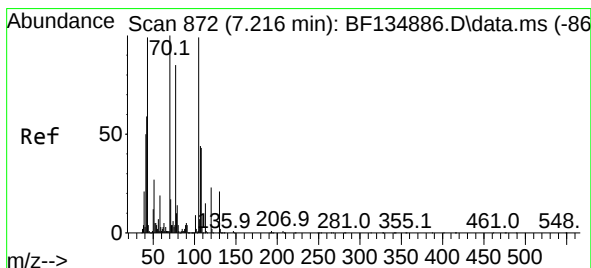
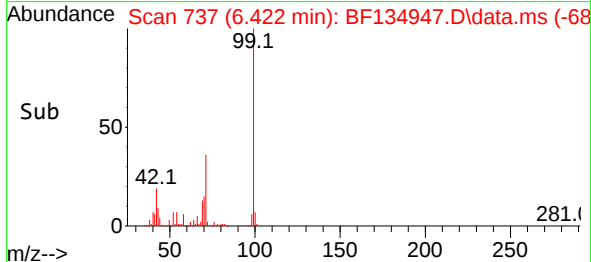
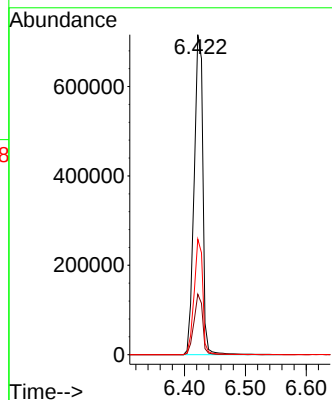
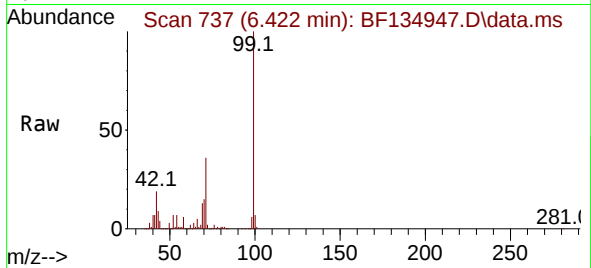




#7
Phenol-d6
Concen: 101.063 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

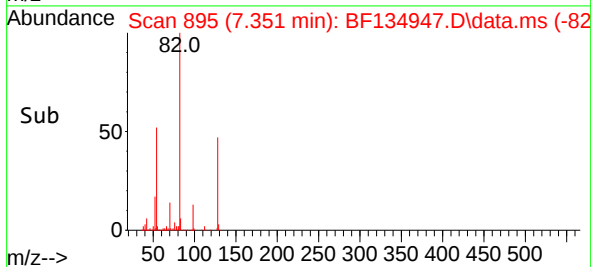
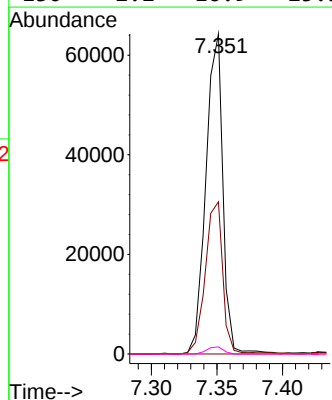
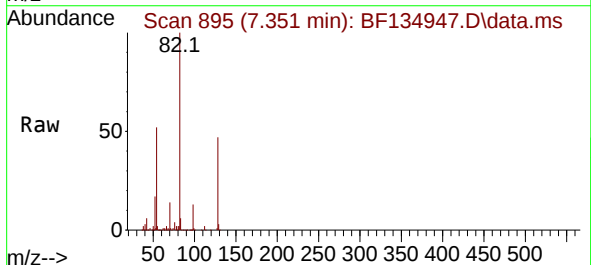
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

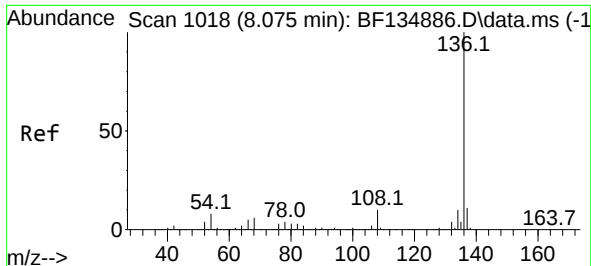
Tgt Ion: 99 Resp: 710549
Ion Ratio Lower Upper
99 100
42 18.9 14.6 22.0
71 36.1 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.162 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion: 70 Resp: 58151
Ion Ratio Lower Upper
70 100
42 47.6 46.9 70.3
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#

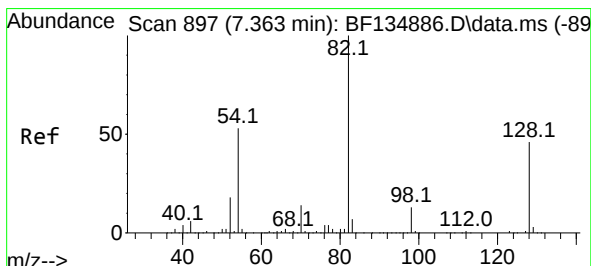
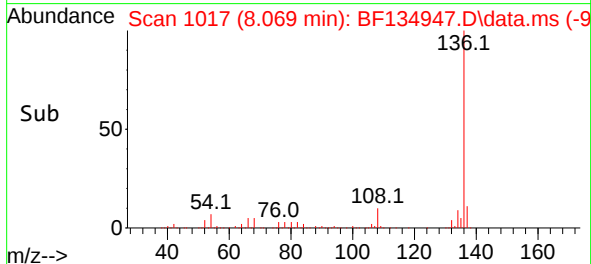
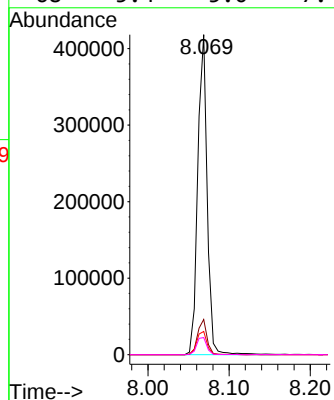
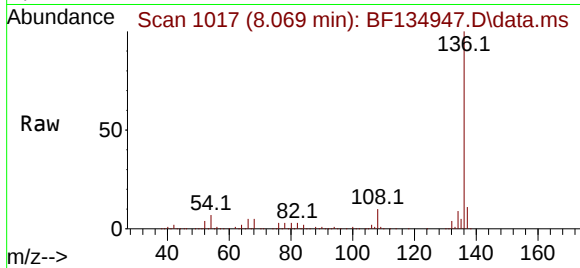




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

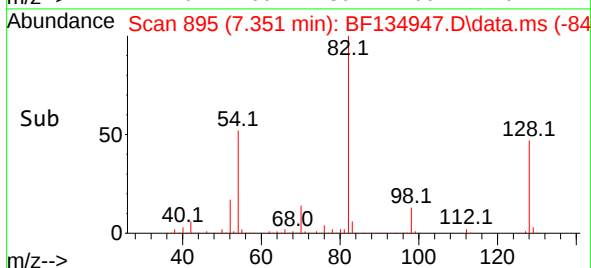
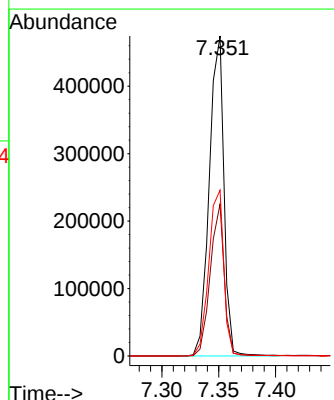
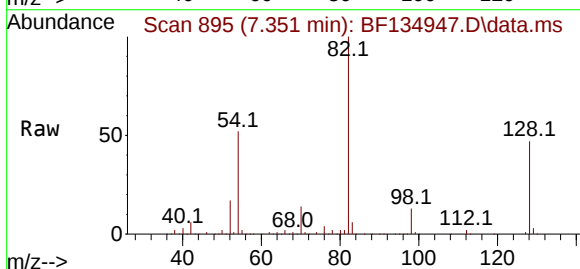
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

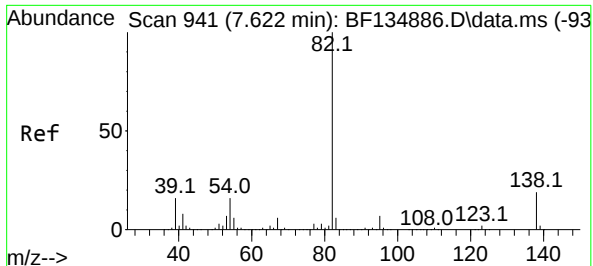
Tgt Ion:136	Resp: 339876
Ion Ratio	Lower Upper
136 100	
137 11.0	8.9 13.3
54 7.3	6.6 9.8
68 5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 68.901 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion: 82	Resp: 424976
Ion Ratio	Lower Upper
82 100	
128 47.5	36.6 54.8
54 51.8	42.6 63.8

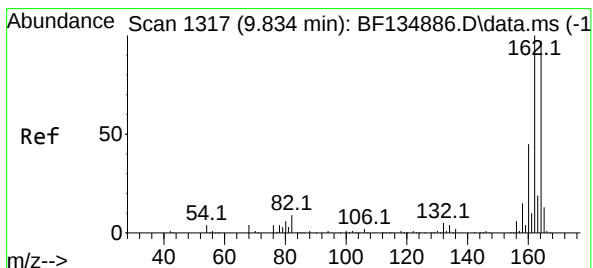
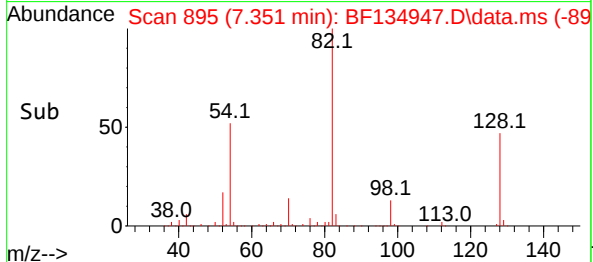
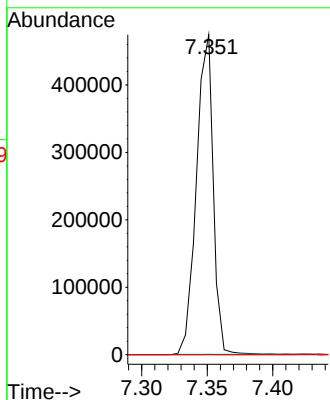
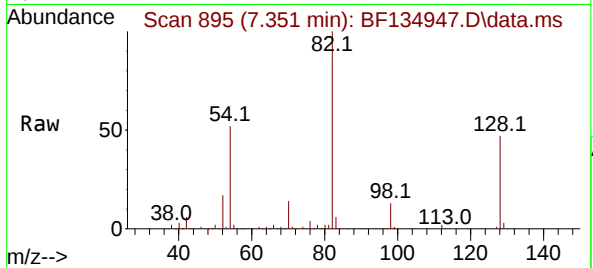




#25
Isophorone
Concen: 36.551 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

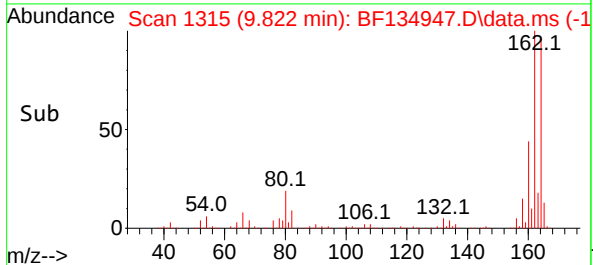
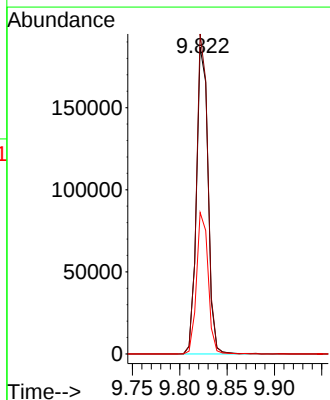
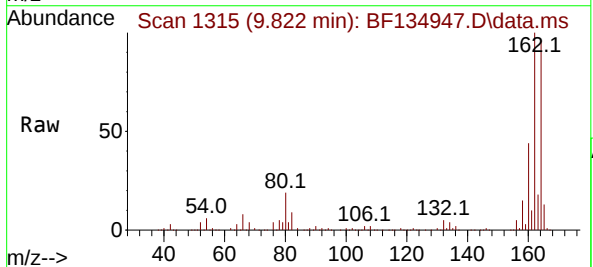
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

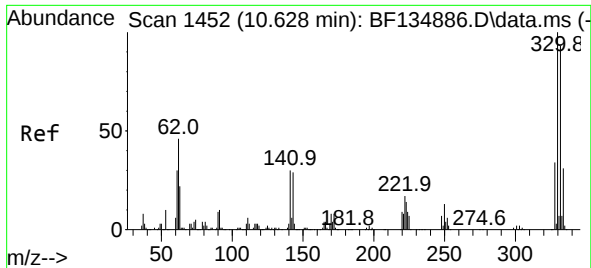
Tgt Ion: 82 Resp: 420969
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:164 Resp: 159579
Ion Ratio Lower Upper
164 100
162 104.4 82.6 123.8
160 46.1 37.0 55.4

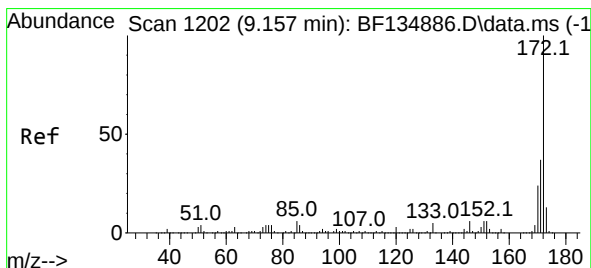
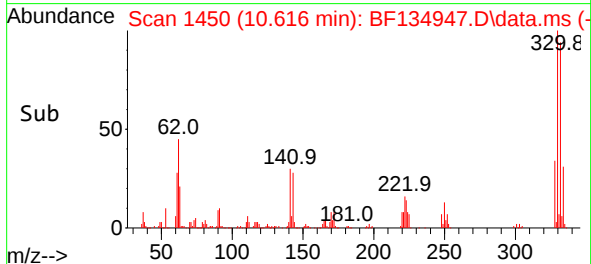
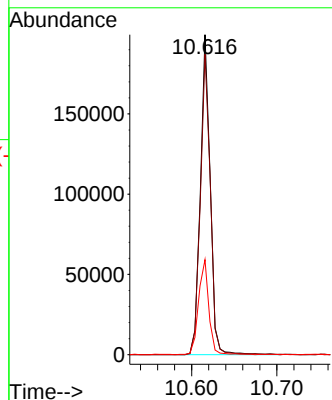
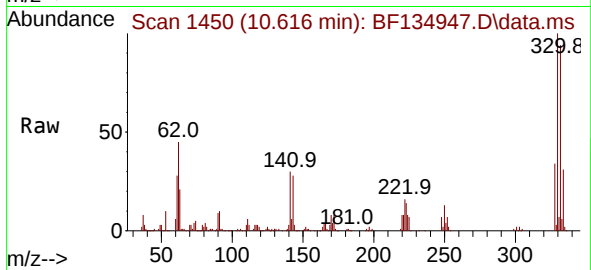




#42
2,4,6-Tribromophenol
Concen: 85.075 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

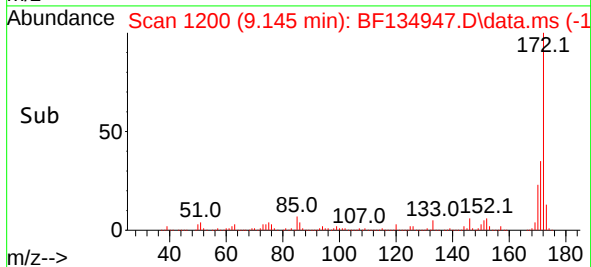
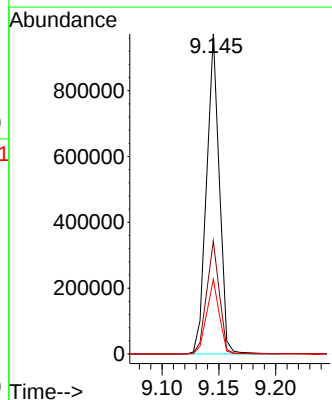
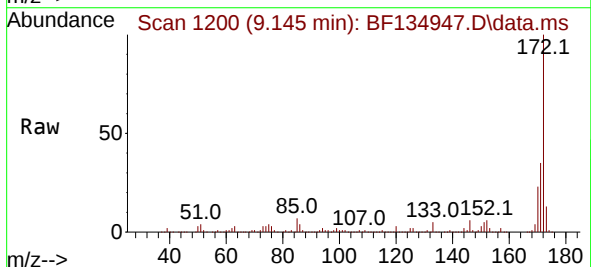
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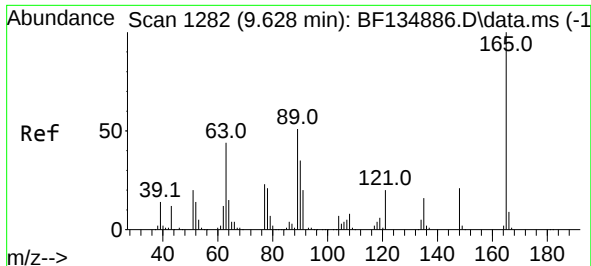
Tgt Ion:330 Resp: 159893
Ion Ratio Lower Upper
330 100
332 95.4 76.3 114.5
141 31.2 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 73.663 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:172 Resp: 760405
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.3 19.6 29.4

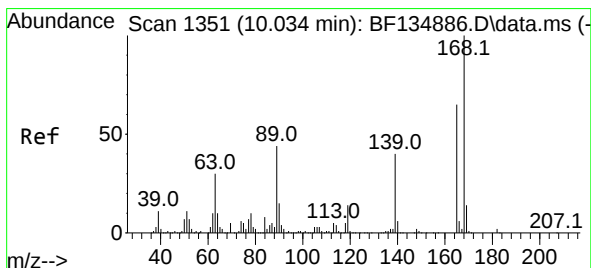
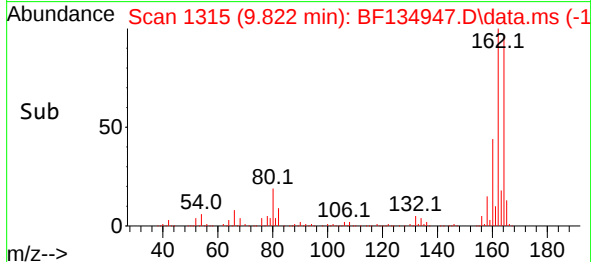
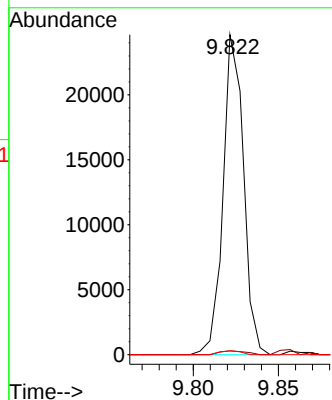
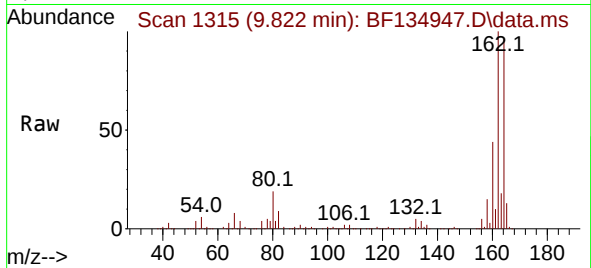




#51
2,6-Dinitrotoluene
Concen: 8.181 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

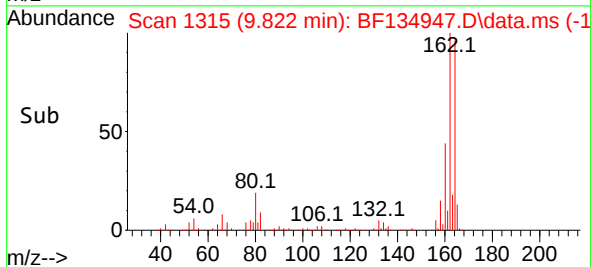
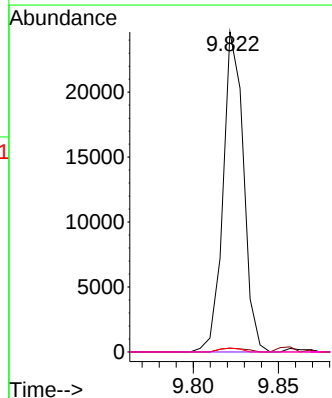
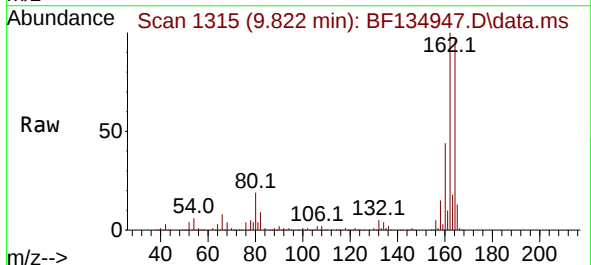
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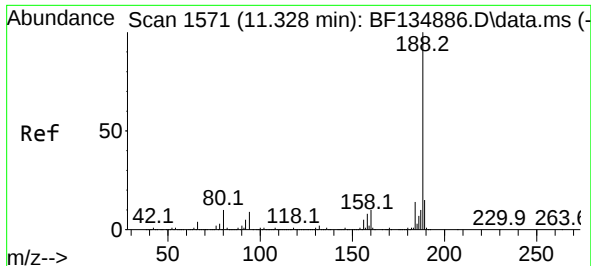
Tgt Ion:165 Resp: 20496
Ion Ratio Lower Upper
165 100
63 1.2 41.4 62.2#
89 1.2 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.615 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.212 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:165 Resp: 20496
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.2 54.2 81.4#
182 0.0 2.2 3.2#

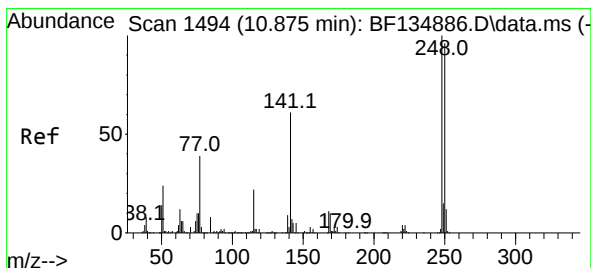
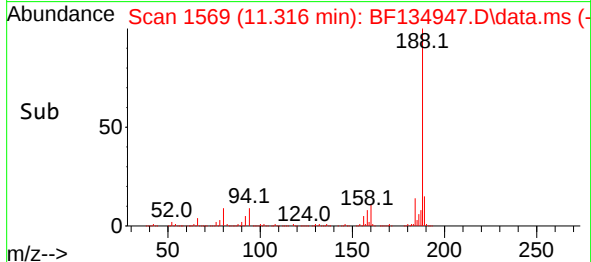
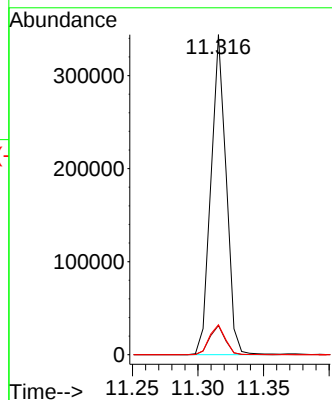
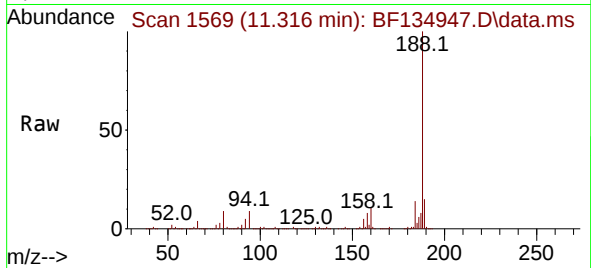




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

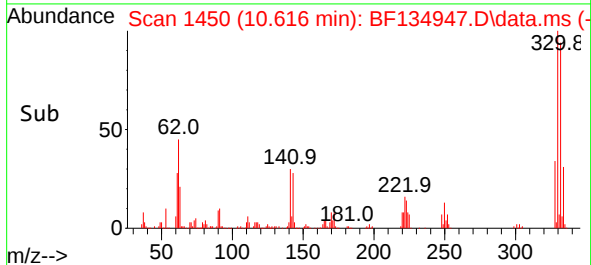
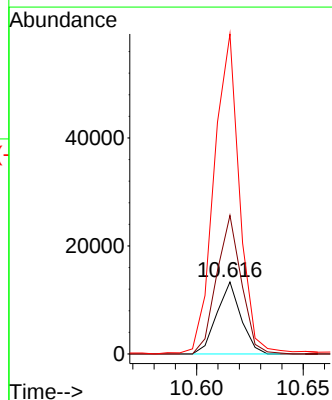
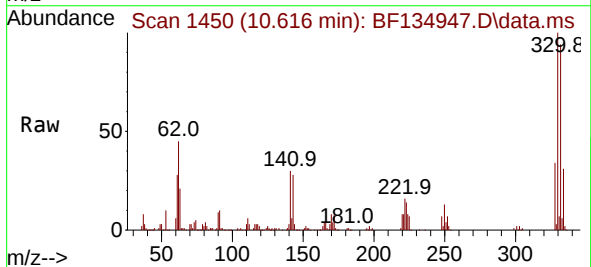
Instrument :
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SS-TP-01(0-0.2)

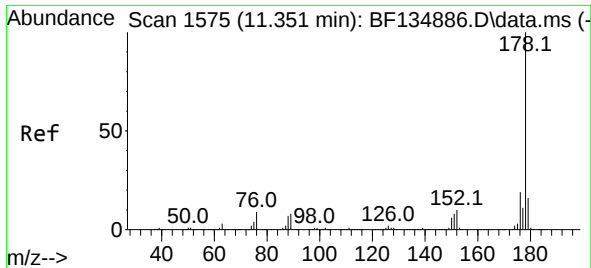
Tgt Ion:188 Resp: 278402
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.3 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 3.268 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.259 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:248 Resp: 10497
Ion Ratio Lower Upper
248 100
250 192.5 77.1 115.7#
141 444.3 49.0 73.4#

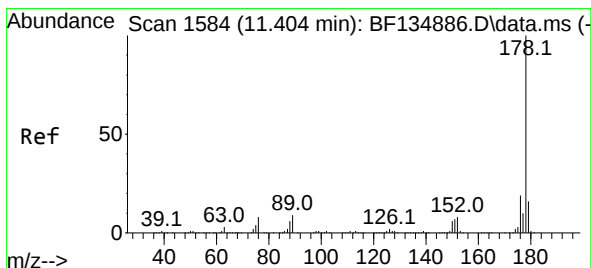
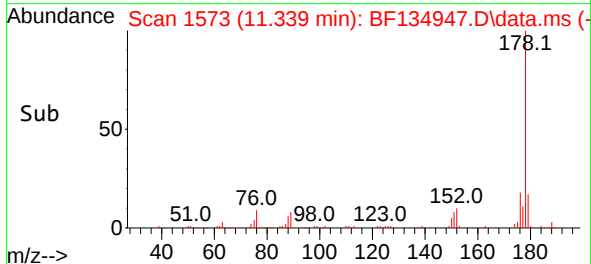
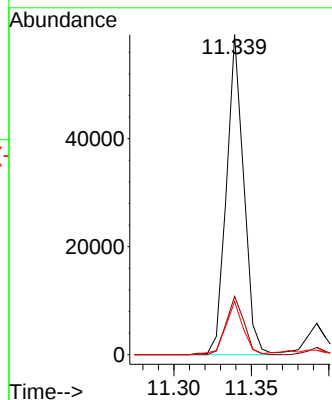
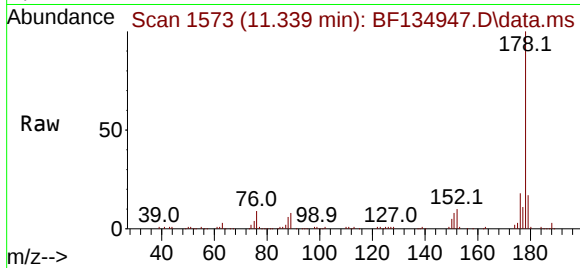




#71
Phenanthrene
Concen: 3.164 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

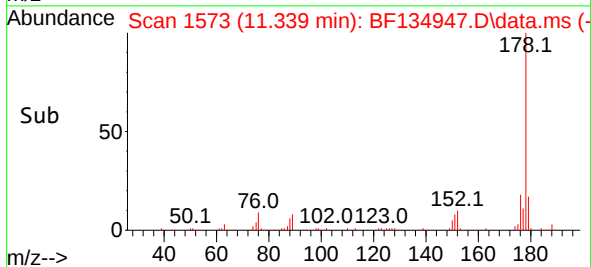
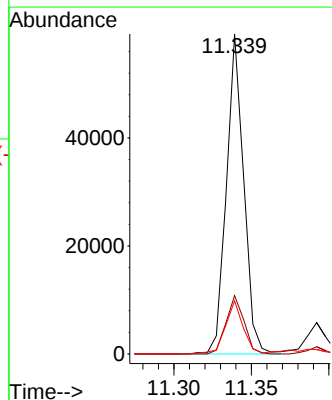
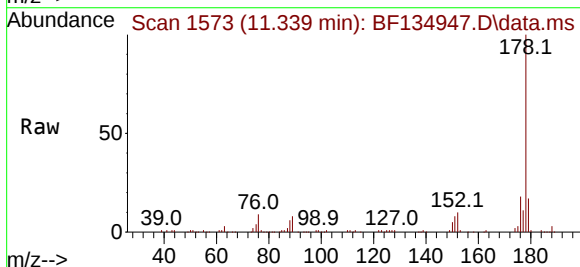
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

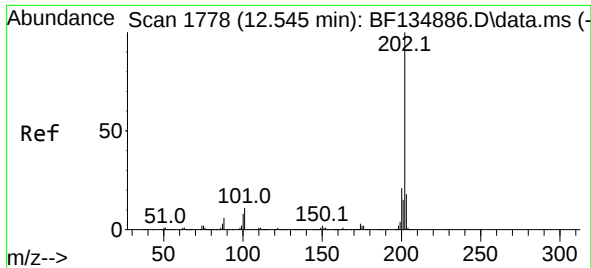
Tgt Ion:178 Resp: 46163
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 16.6 12.6 19.0



#72
Anthracene
Concen: 3.088 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.065 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:178 Resp: 46163
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 16.6 12.5 18.7

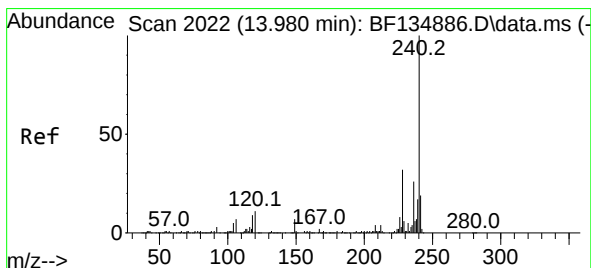
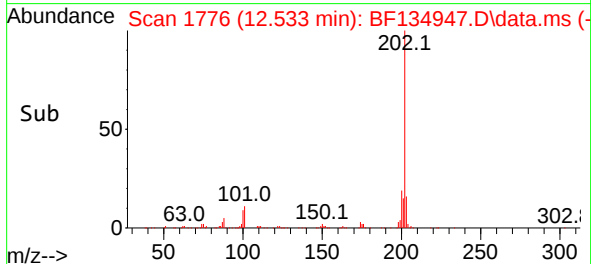
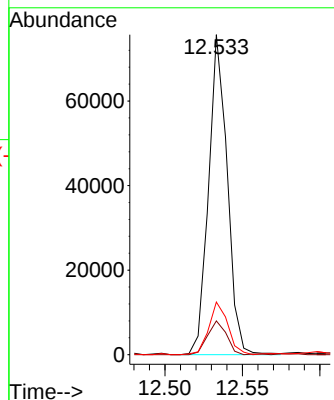
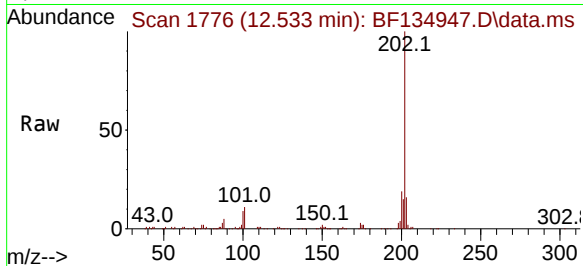




#75
Fluoranthene
Concen: 4.600 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

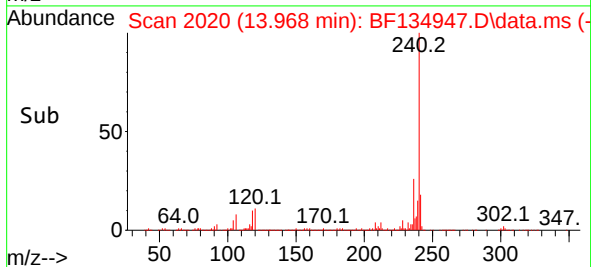
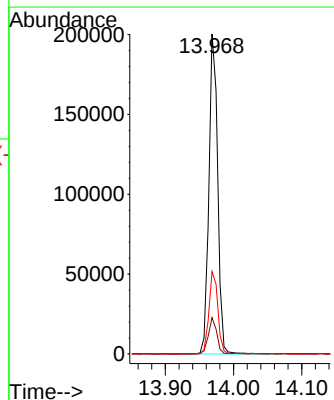
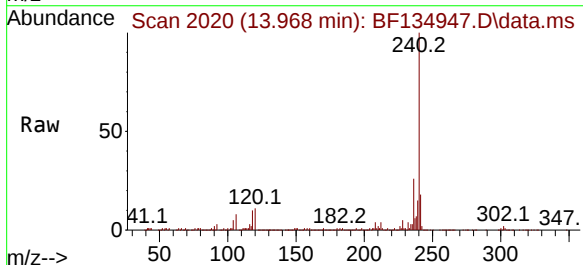
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

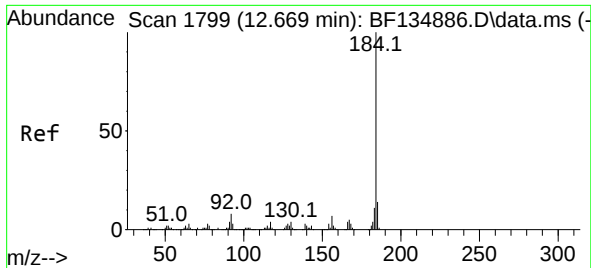
Tgt Ion:202 Resp: 63579
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.5
203 16.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:240 Resp: 179560
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.8 20.6 31.0

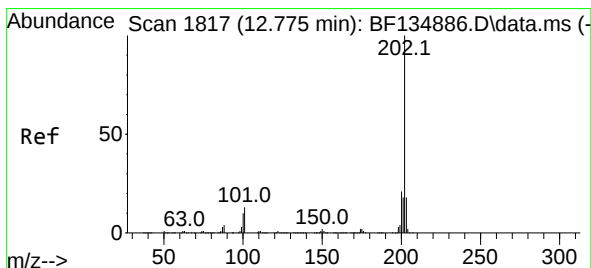
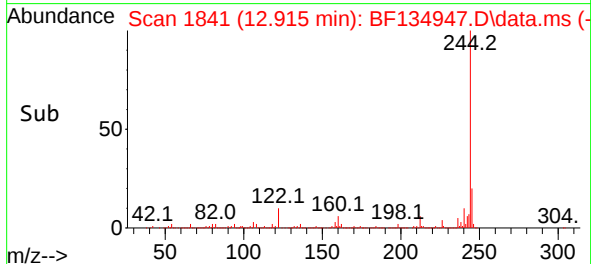
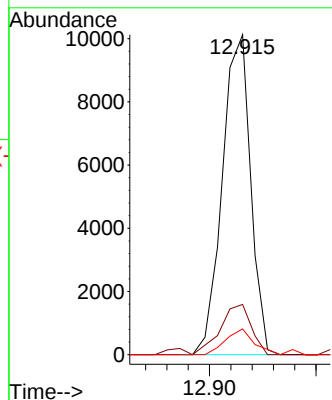
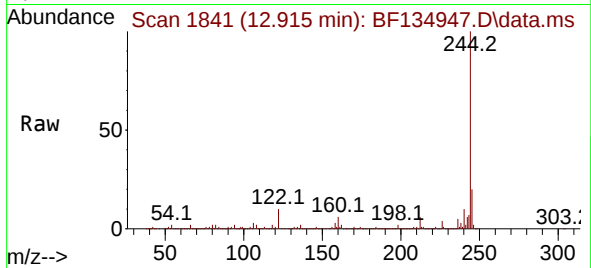




#77
Benzidine
Concen: 3.204 ng
RT: 12.915 min Scan# 1841
Delta R.T. 0.246 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

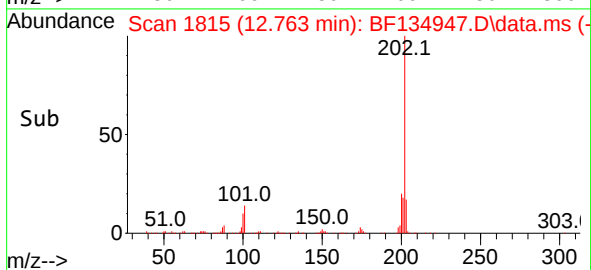
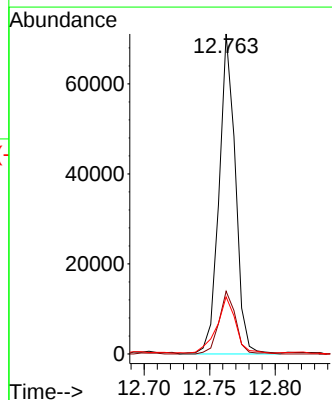
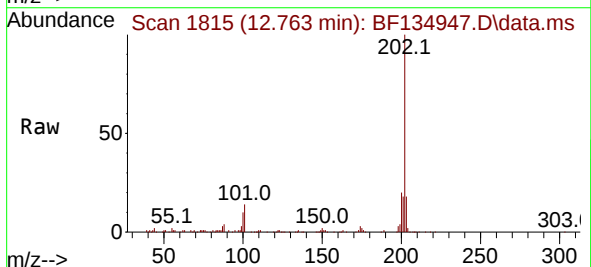
Instrument :
BNA_F
ClientSampleId :
SS-TP-01(0-0.2)

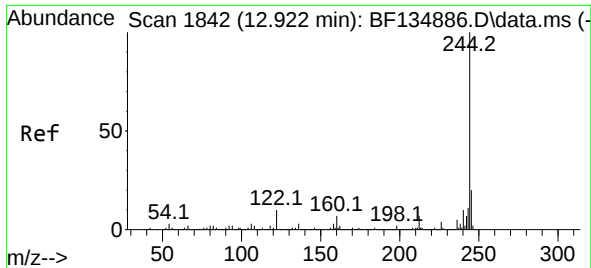
Tgt Ion:184 Resp: 9335
Ion Ratio Lower Upper
184 100
185 15.7 11.4 17.0
183 8.1 9.0 13.4#



#78
Pyrene
Concen: 3.235 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF134947.D
Acq: 25 Aug 2023 18:34

Tgt Ion:202 Resp: 61588
Ion Ratio Lower Upper
202 100
200 19.6 17.1 25.7
203 17.9 14.2 21.2

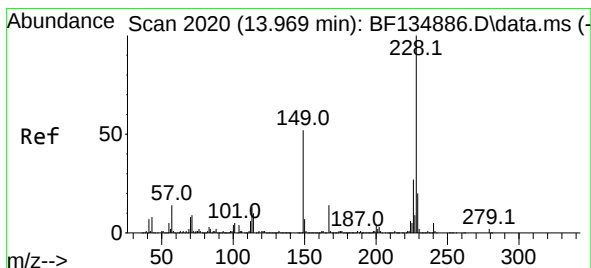
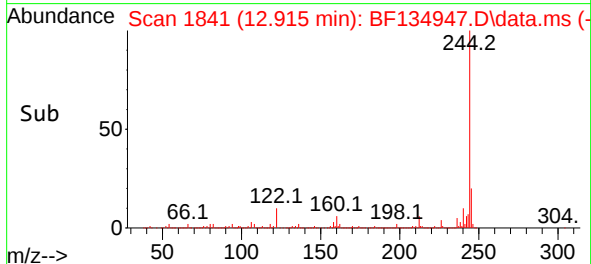
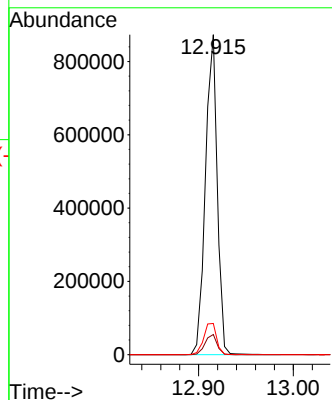
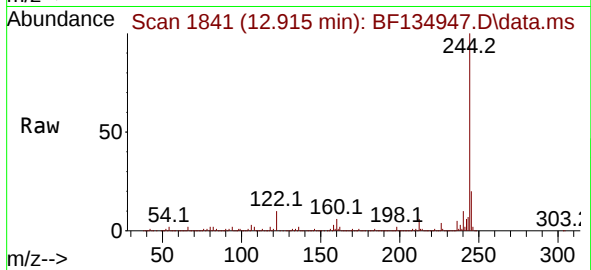




#79
 Terphenyl-d14
 Concen: 57.881 ng
 RT: 12.915 min Scan# 1842
 Delta R.T. -0.007 min
 Lab File: BF134947.D
 Acq: 25 Aug 2023 18:34

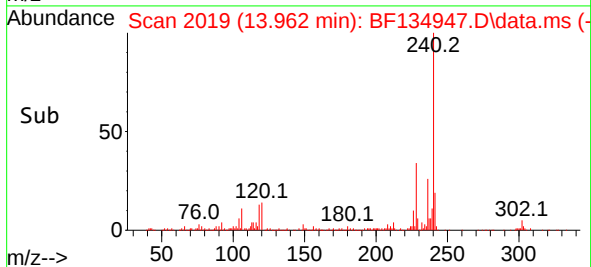
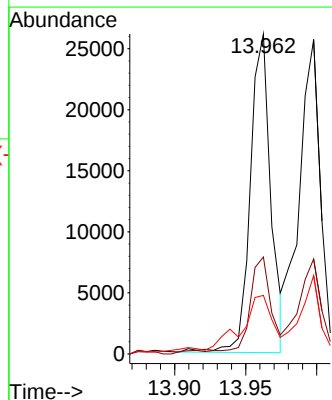
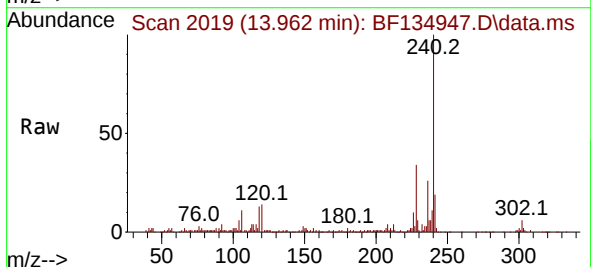
Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-01(0-0.2)

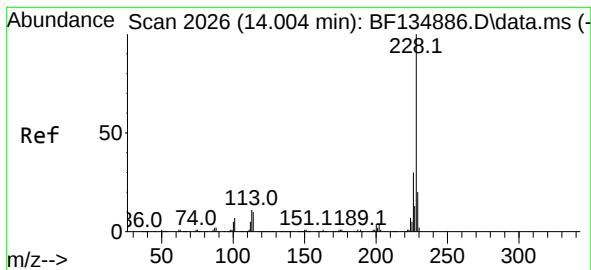
Tgt Ion:244 Resp: 755636
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.8 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 2.136 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134947.D
 Acq: 25 Aug 2023 18:34

Tgt Ion:228 Resp: 26162
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.6
 229 18.3 15.6 23.4





#83

Chrysene

Concen: 2.164 ng

RT: 13.962 min Scan# 2026

Delta R.T. -0.042 min

Lab File: BF134947.D

Acq: 25 Aug 2023 18:34

Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

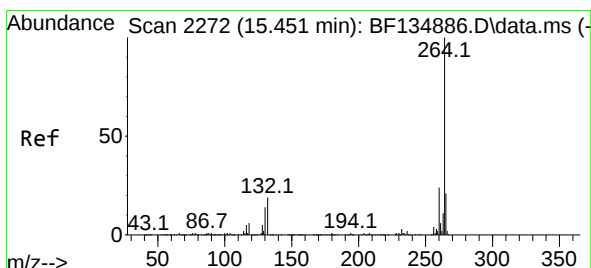
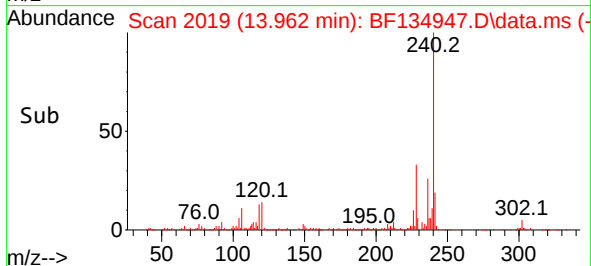
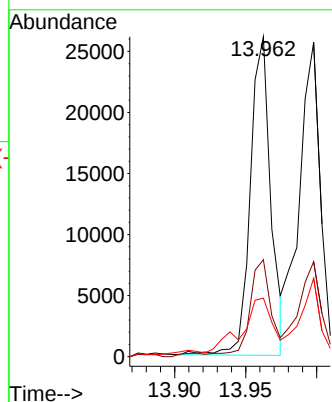
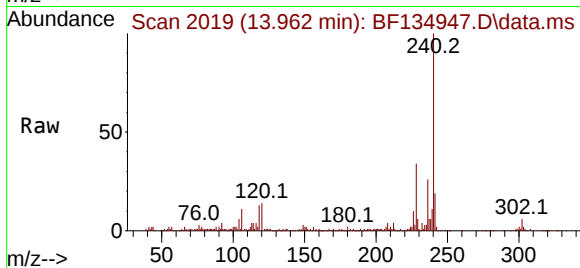
Tgt Ion:228 Resp: 26162

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

229 18.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF134947.D

Acq: 25 Aug 2023 18:34

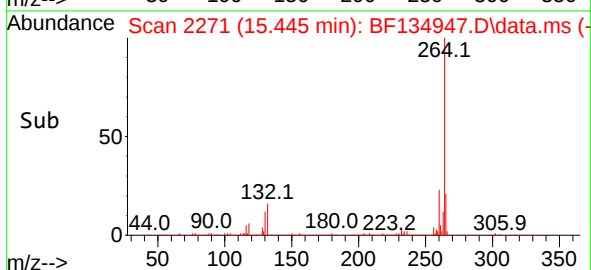
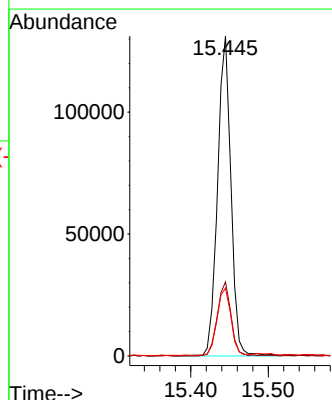
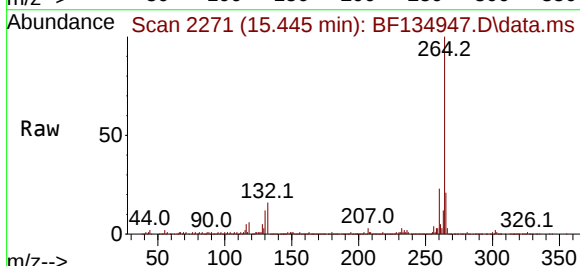
Tgt Ion:264 Resp: 157178

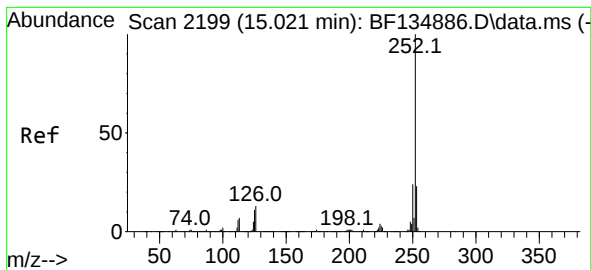
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.671 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF134947.D

Acq: 25 Aug 2023 18:34

Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)

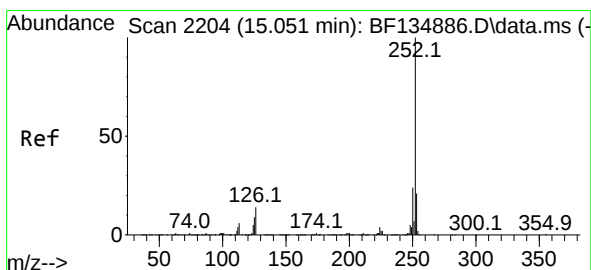
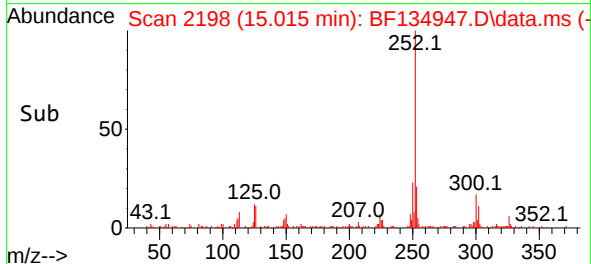
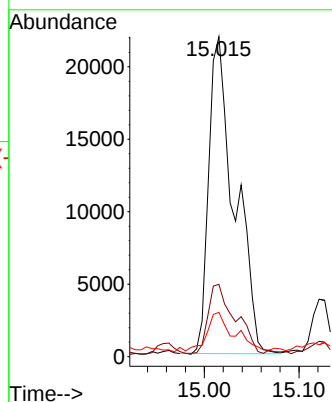
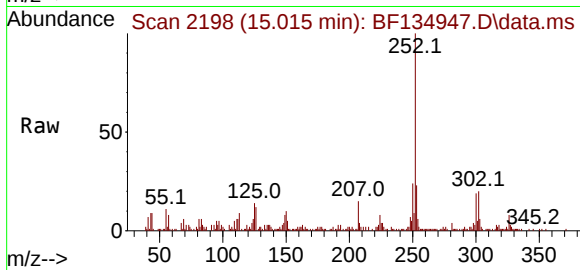
Tgt Ion:252 Resp: 41426

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

125 13.8 8.4 12.6#



#89

Benzo(k)fluoranthene

Concen: 4.757 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF134947.D

Acq: 25 Aug 2023 18:34

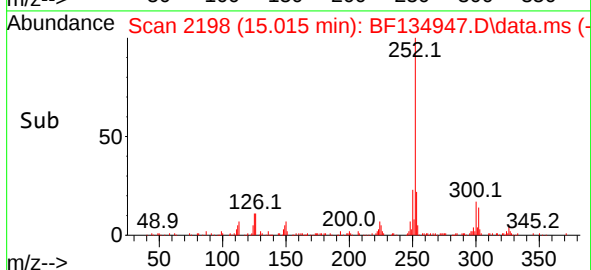
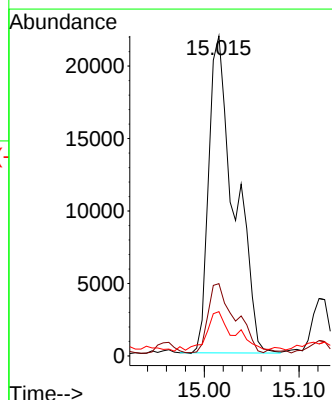
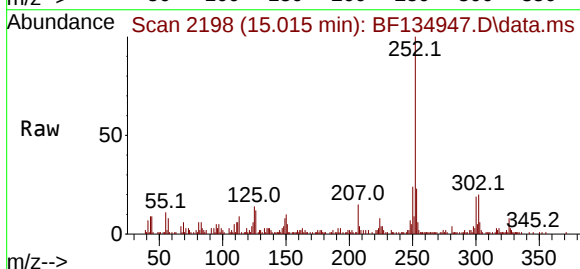
Tgt Ion:252 Resp: 41426

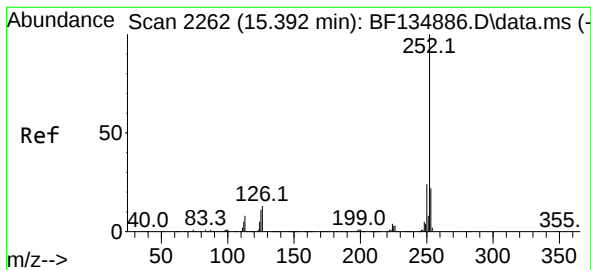
Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 13.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 2.356 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134947.D

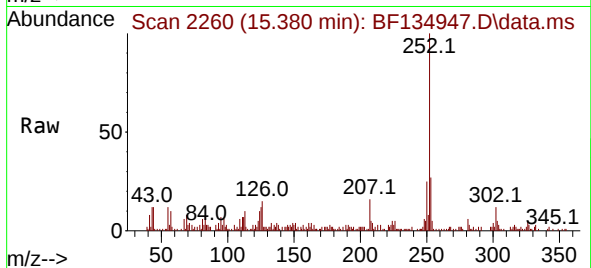
Acq: 25 Aug 2023 18:34

Instrument :

BNA_F

ClientSampleId :

SS-TP-01(0-0.2)



Tgt Ion:252 Resp: 20855

Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4#

125 12.0 8.4 12.6

