

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134573.D
 Acq On : 02 Aug 2023 11:23
 Operator : CG\JU
 Sample : 03686-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-15-17-20230719

Quant Time: Aug 02 12:05:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

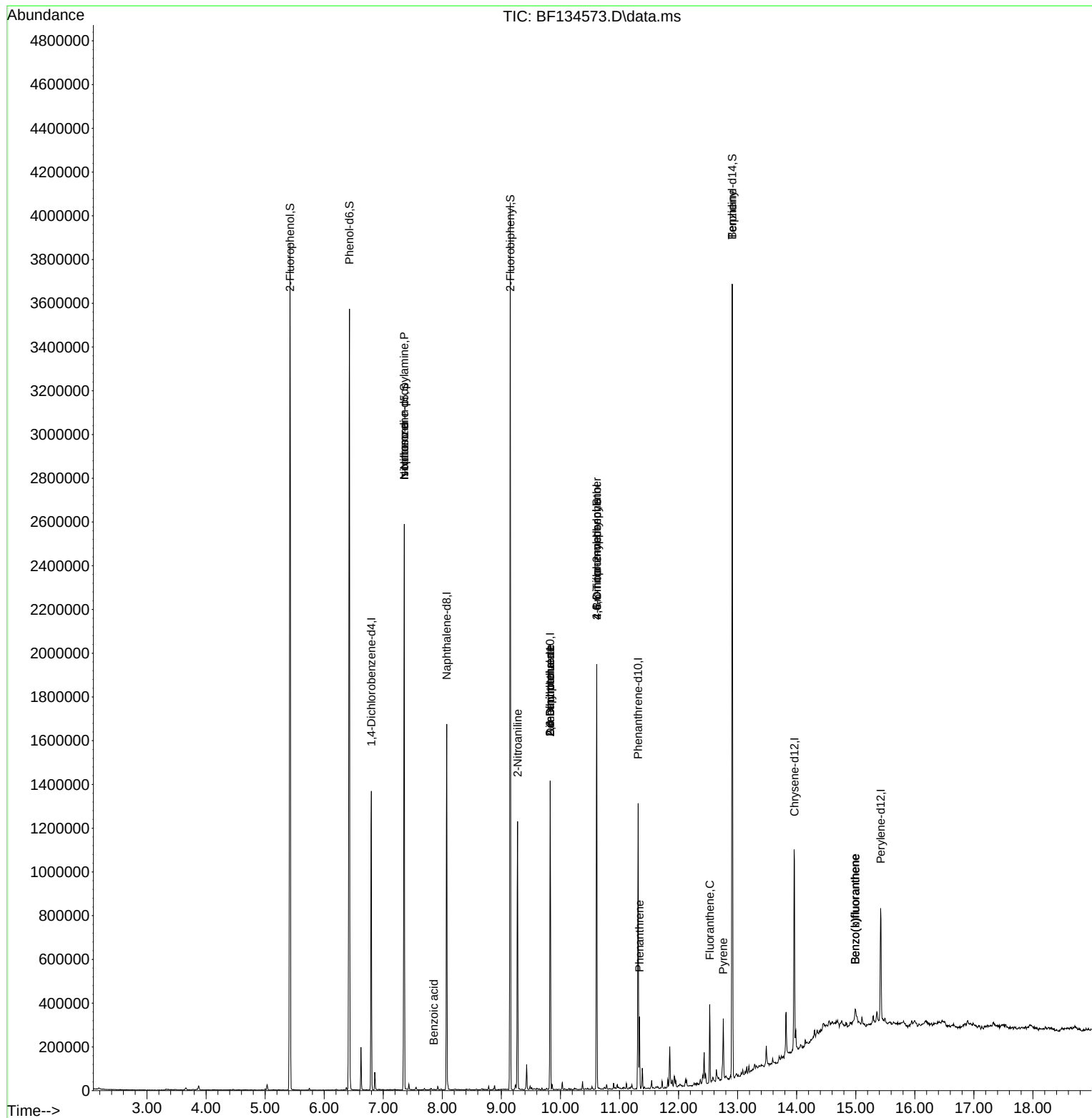
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	190682	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	652729	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	241500	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	421575	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	291163	20.000	ng	0.00
86) Perylene-d12	15.421	264	241218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1077912	85.930	ng	0.00
7) Phenol-d6	6.428	99	1281628	79.926	ng	0.00
23) Nitrobenzene-d5	7.357	82	727470	69.648	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	203259	82.563	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1120381	77.137	ng	0.00
79) Terphenyl-d14	12.910	244	1174828	71.131	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	70	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.357	70	98239	10.233	ng	# 73
25) Isophorone	7.357	82	727322	31.926	ng	# 65
32) Benzoic acid	7.857	122	105	7.880	ng	# 38
48) 2-Nitroaniline	9.275	65	10973	5.502	ng	# 18
50) Dimethylphthalate	9.828	163	49089	2.982	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	31711	11.409	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	31711	10.173	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	495	8.937	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	13030	2.823	ng	# 1
71) Phenanthrene	11.339	178	113964	5.089	ng	99
75) Fluoranthene	12.527	202	126106	5.331	ng	96
77) Benzidine	12.910	184	14726	2.330	ng	# 93
78) Pyrene	12.757	202	104125	4.133	ng	99
88) Benzo(b)fluoranthene	14.992	252	41709	2.835	ng	# 84
89) Benzo(k)fluoranthene	14.992	252	41709	2.846	ng	# 86

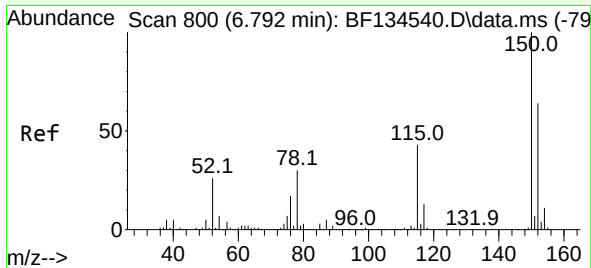
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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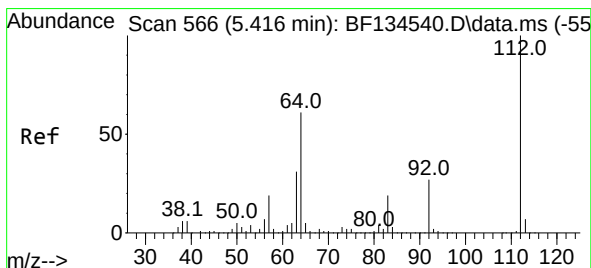
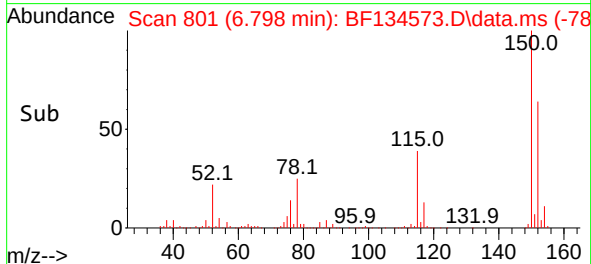
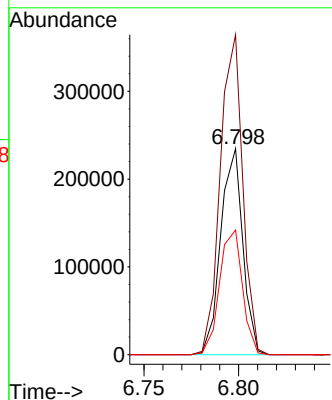
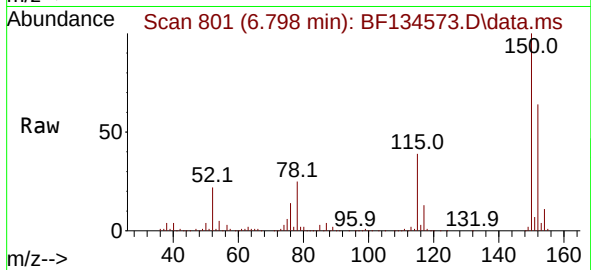




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

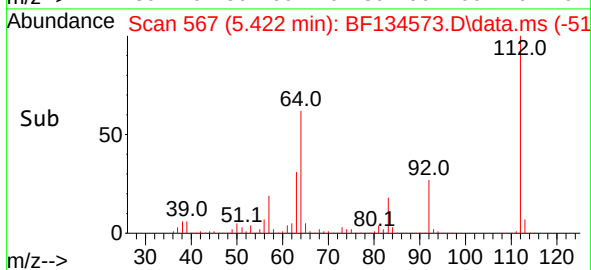
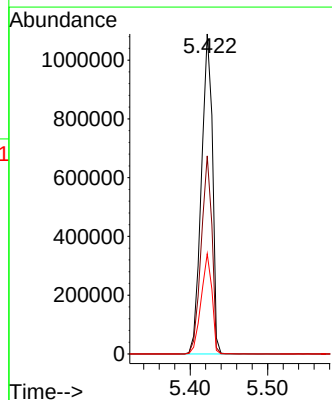
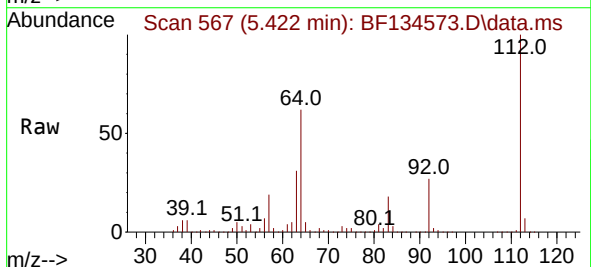
Instrument :
BNA_F
ClientSampleId :
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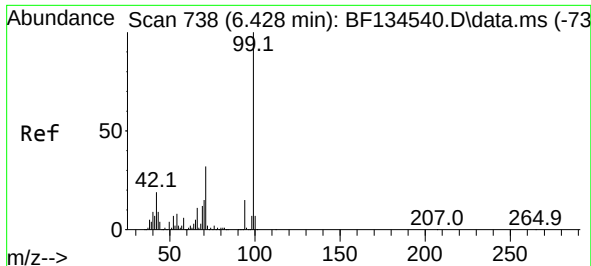
Tgt Ion:152 Resp: 190682
Ion Ratio Lower Upper
152 100
150 155.2 128.3 192.5
115 60.5 52.4 78.6



#5
2-Fluorophenol
Concen: 85.930 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:112 Resp: 1077912
Ion Ratio Lower Upper
112 100
64 61.9 44.9 67.3
63 31.3 25.4 38.0

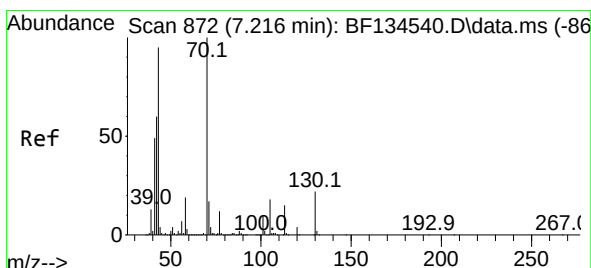
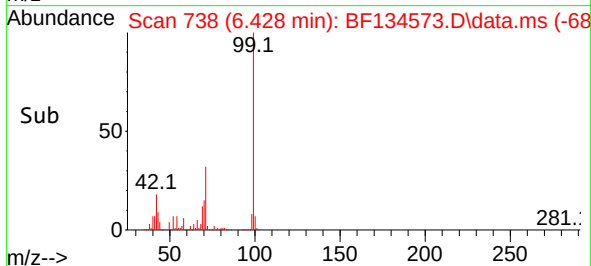
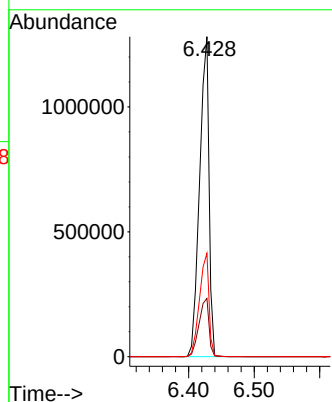
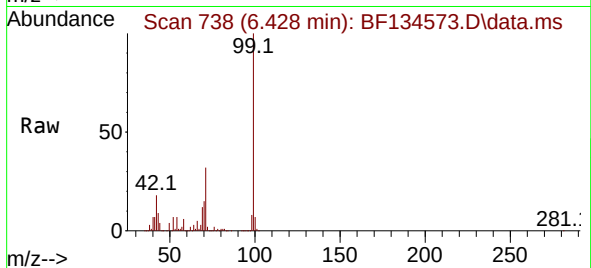




#7
Phenol-d6
Concen: 79.926 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

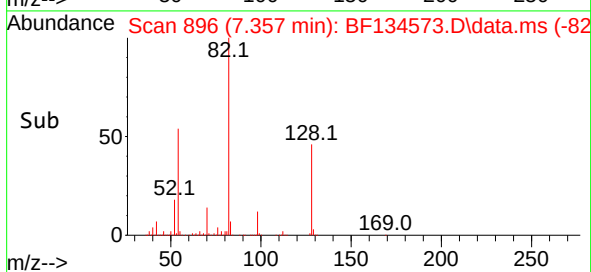
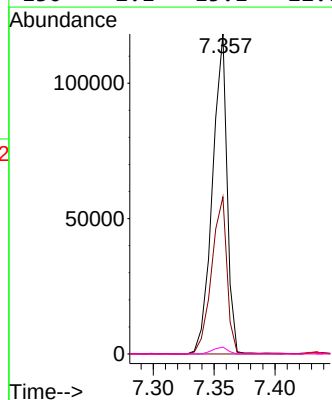
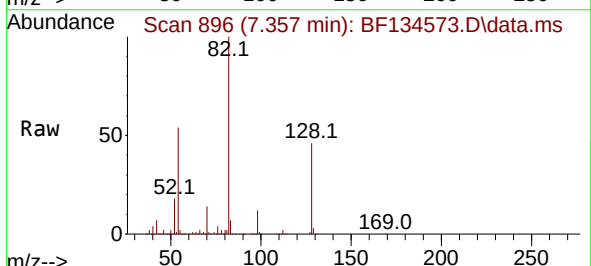
Instrument :
BNA_F
ClientSampleId :
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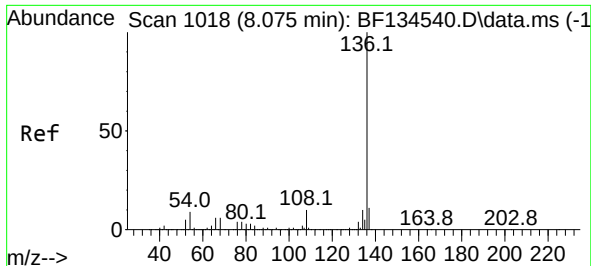
Tgt Ion: 99 Resp: 1281628
Ion Ratio Lower Upper
99 100
42 18.2 18.7 28.1#
71 32.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.233 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion: 70 Resp: 98239
Ion Ratio Lower Upper
70 100
42 49.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#

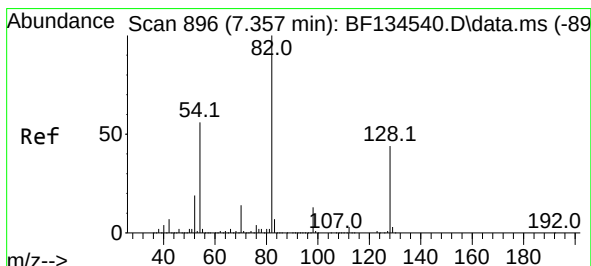
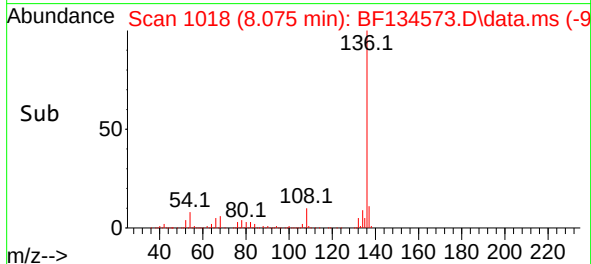
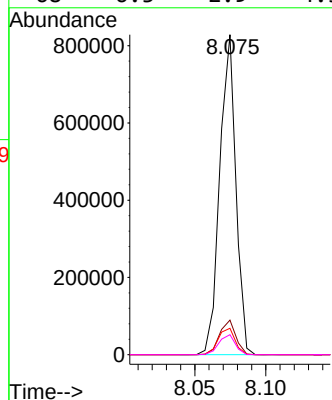
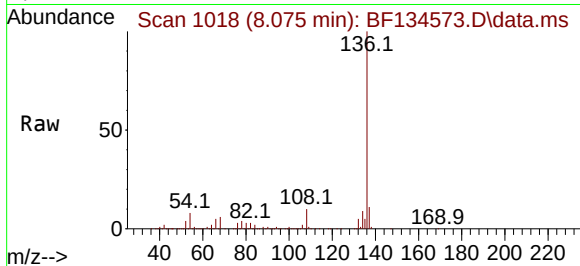




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

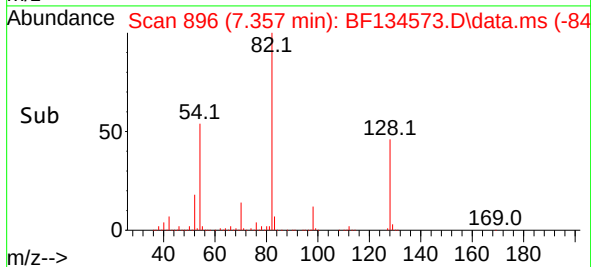
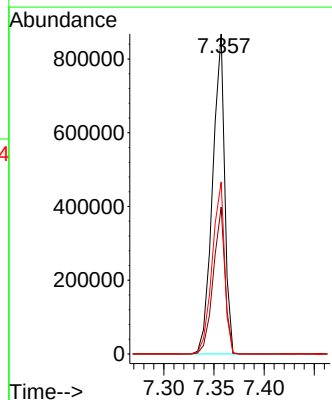
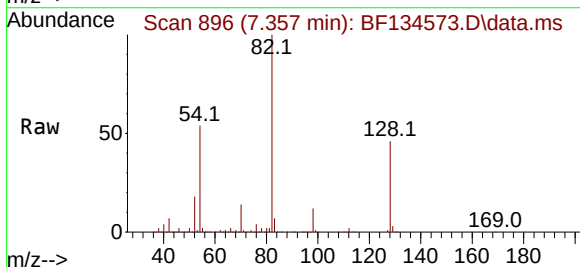
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

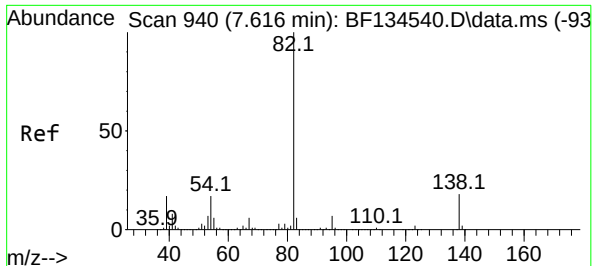
Tgt Ion:	136	Resp:	652729
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.3	5.2	7.8#
68	6.3	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 69.648 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:	82	Resp:	727470
Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.3	51.5
54	53.7	43.8	65.6

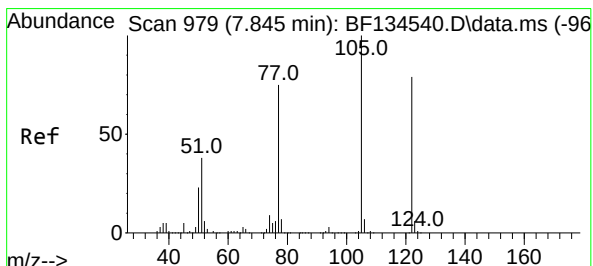
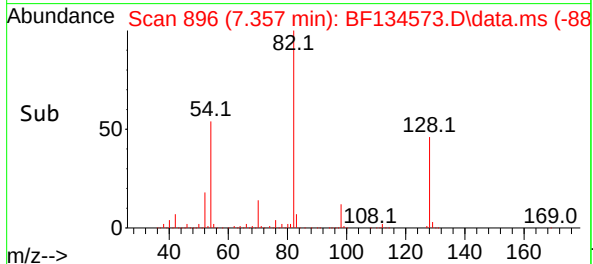
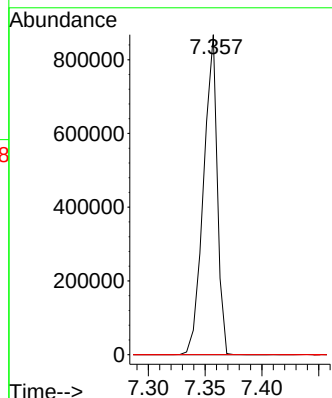
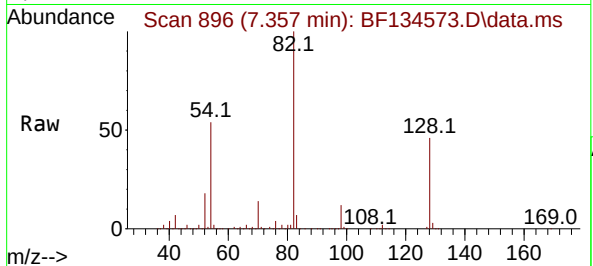




#25
Isophorone
Concen: 31.926 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

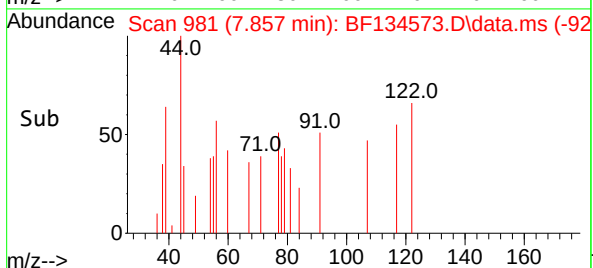
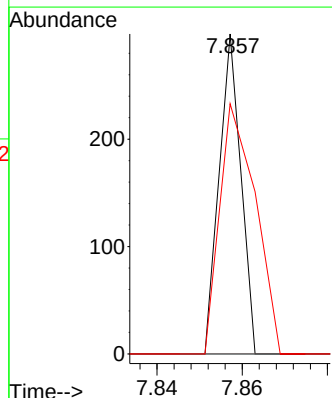
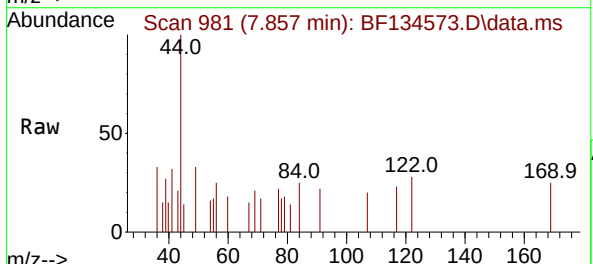
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

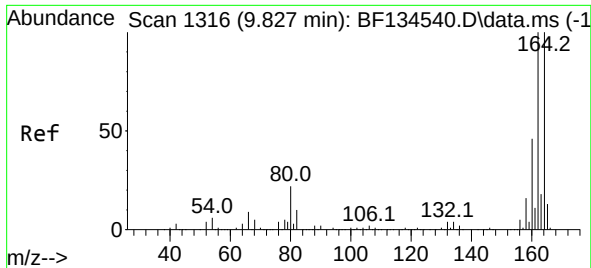
Tgt Ion: 82 Resp: 727322
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.880 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.012 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

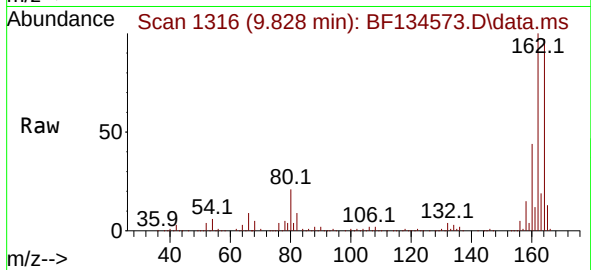
Tgt Ion: 122 Resp: 105
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 78.2 71.4 111.4



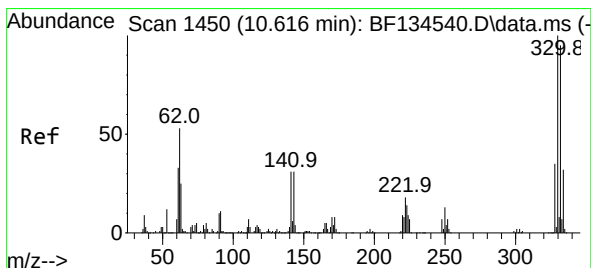
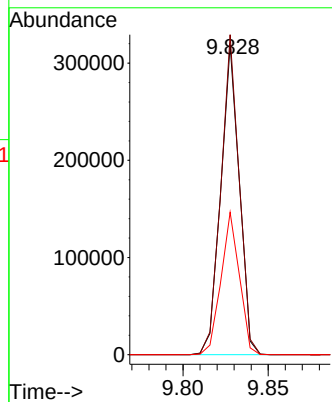
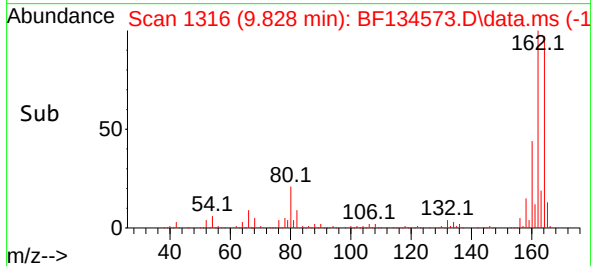


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

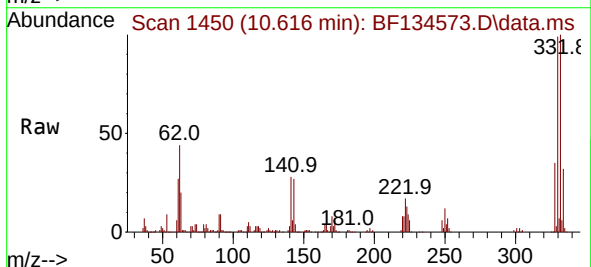
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719



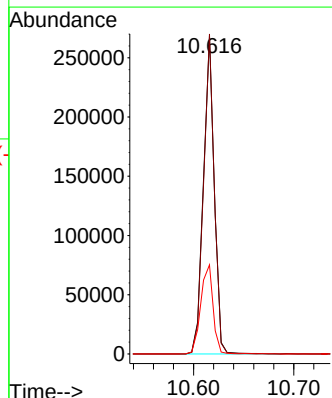
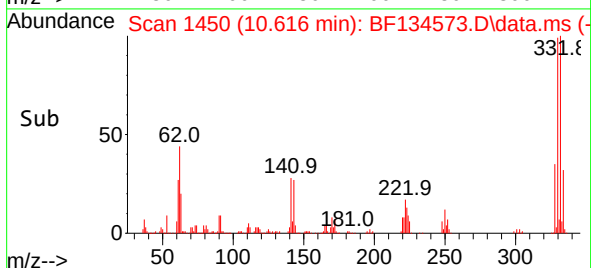
Tgt Ion:164 Resp: 241500
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 45.9 37.2 55.8

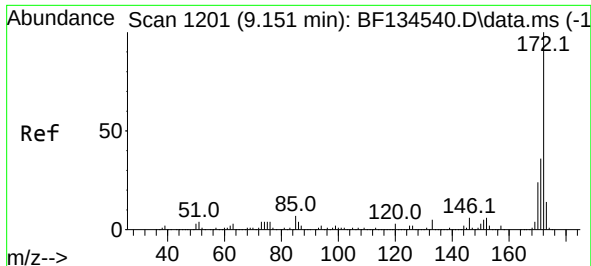


#42
2,4,6-Tribromophenol
Concen: 82.563 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23



Tgt Ion:330 Resp: 203259
Ion Ratio Lower Upper
330 100
332 99.0 78.8 118.2
141 31.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 77.137 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

SB-26-15-17-20230719

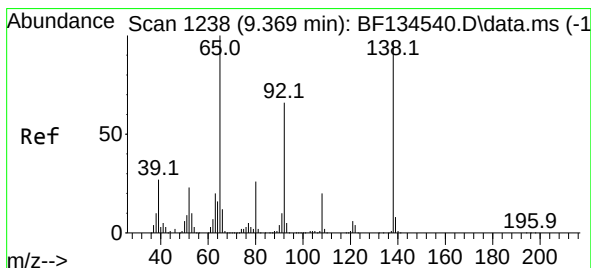
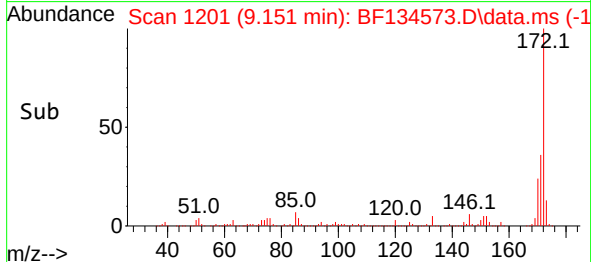
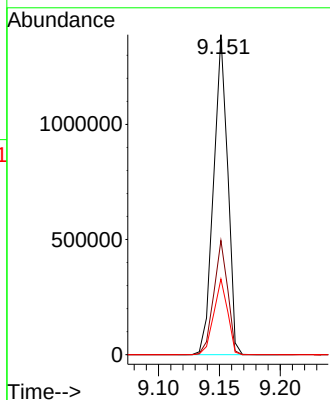
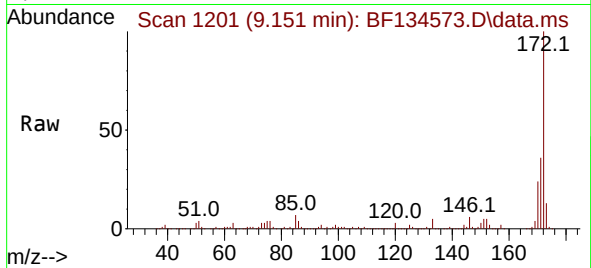
Tgt Ion:172 Resp: 1120381

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 5.502 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.094 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

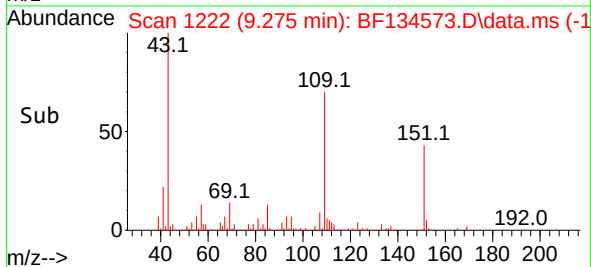
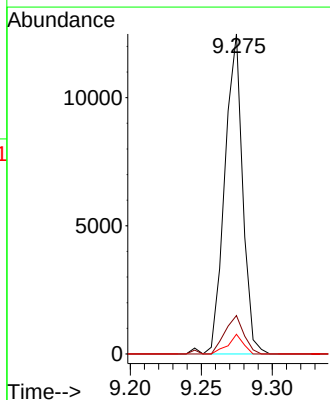
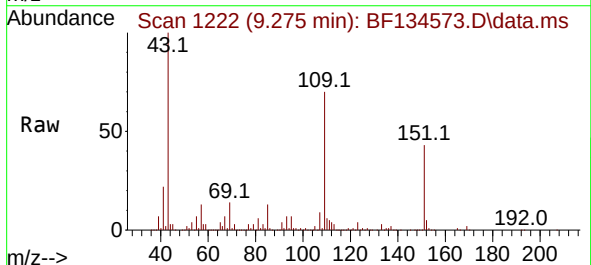
Tgt Ion: 65 Resp: 10973

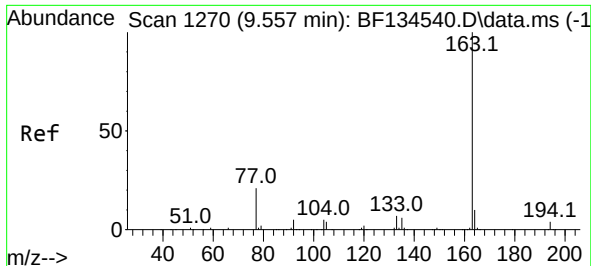
Ion Ratio Lower Upper

65 100

92 12.0 50.7 76.1#

138 6.2 78.2 117.4#

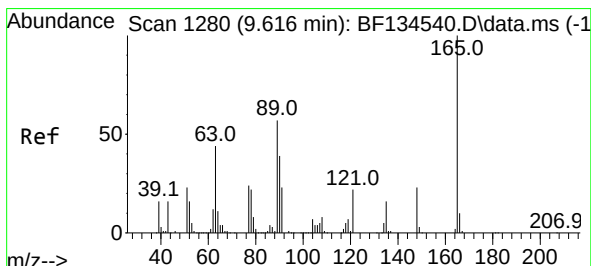
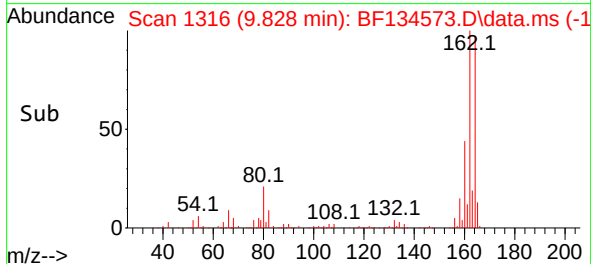
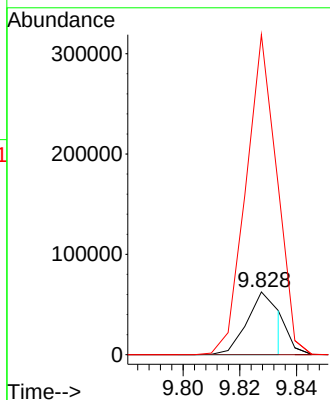
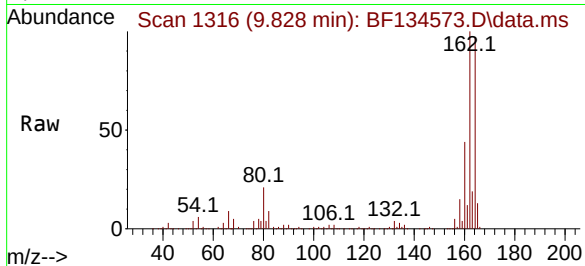




#50
Dimethylphthalate
Concen: 2.982 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.271 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

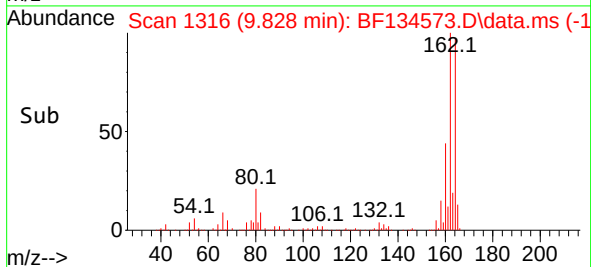
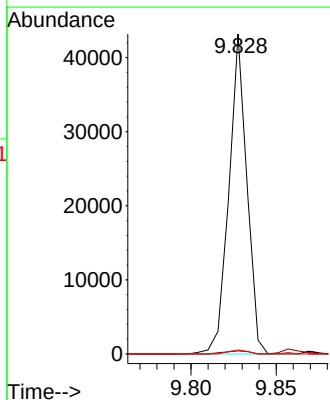
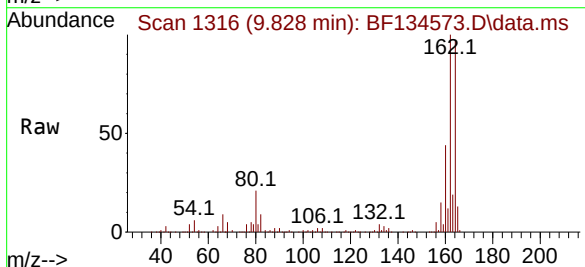
Instrument :
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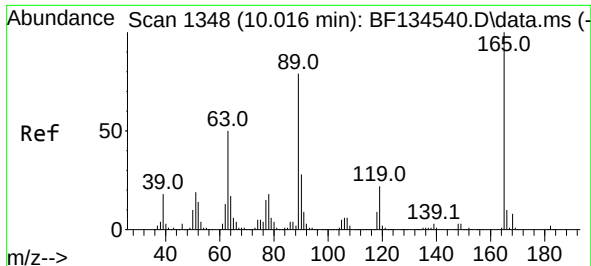
Tgt Ion:163 Resp: 49089
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 510.7 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.409 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:165 Resp: 31711
Ion Ratio Lower Upper
165 100
63 0.9 57.8 86.6#
89 1.3 51.8 77.8#

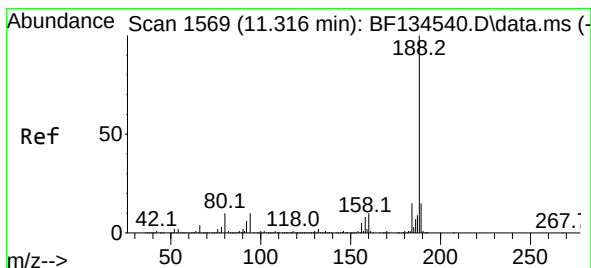
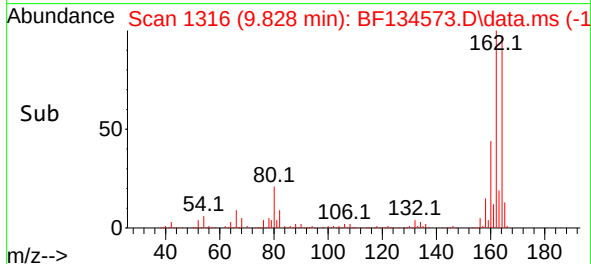
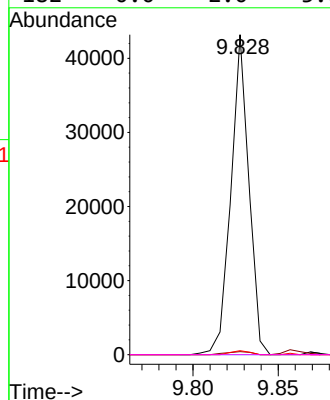
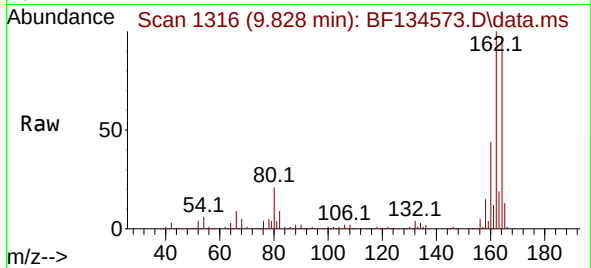




#57
2,4-Dinitrotoluene
Concen: 10.173 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

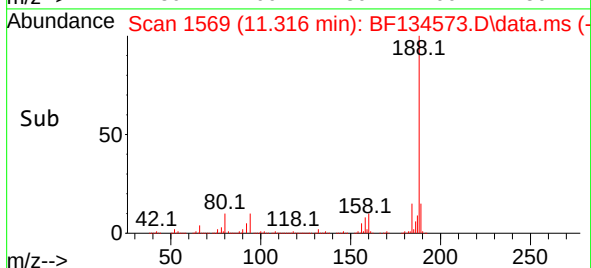
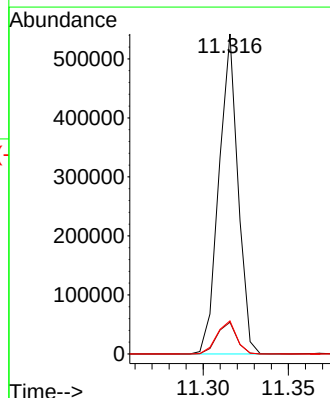
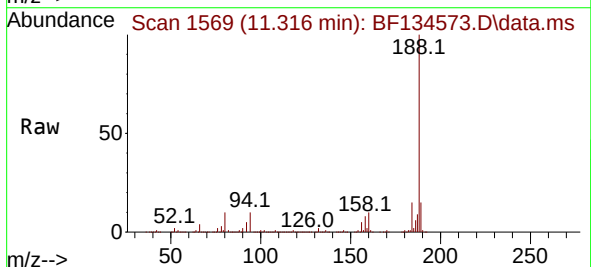
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

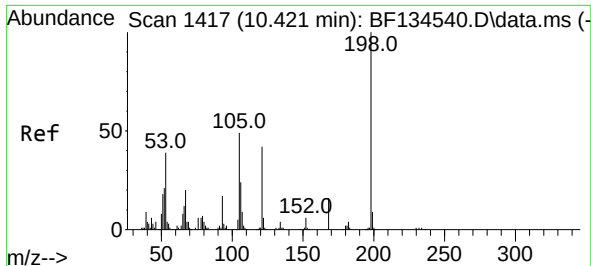
Tgt Ion:165 Resp: 31711
Ion Ratio Lower Upper
165 100
63 0.9 48.9 73.3#
89 1.3 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:188 Resp: 421575
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.4 6.6 9.8#

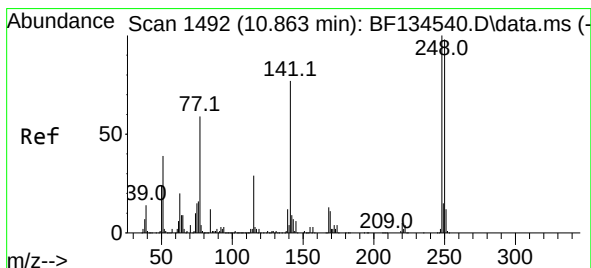
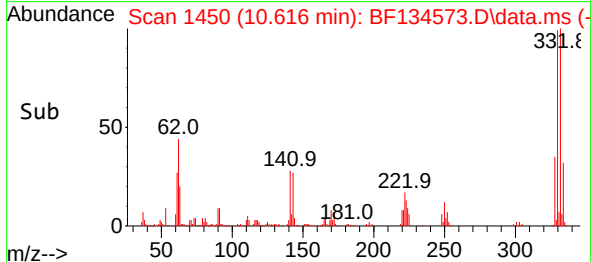
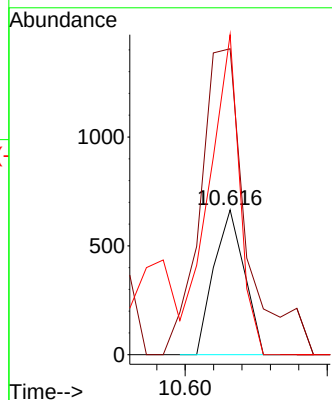
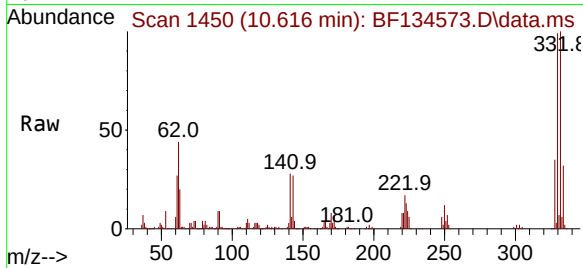




#65
4,6-Dinitro-2-methylphenol
Concen: 8.937 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.195 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

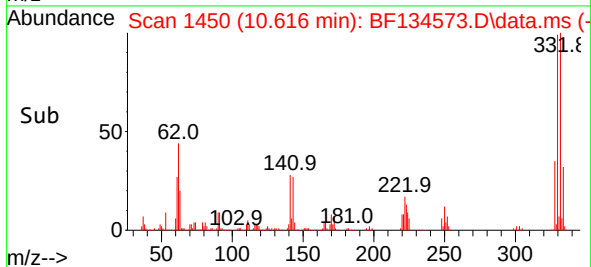
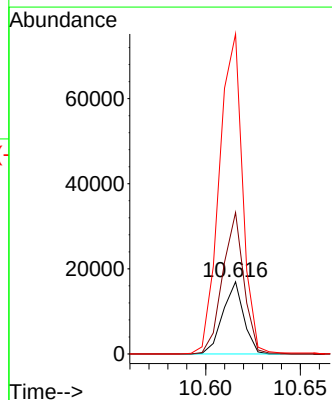
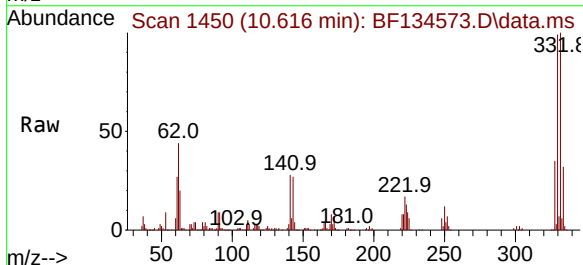
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

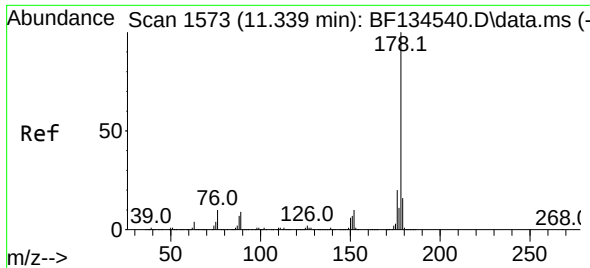
Tgt Ion:198 Resp: 495
Ion Ratio Lower Upper
198 100
51 211.3 38.6 78.6#
105 221.1 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.823 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:248 Resp: 13030
Ion Ratio Lower Upper
248 100
250 196.1 79.6 119.4#
141 443.8 59.6 89.4#

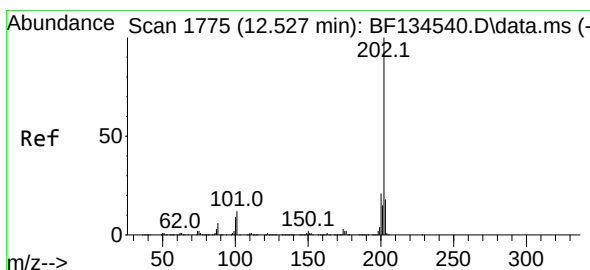
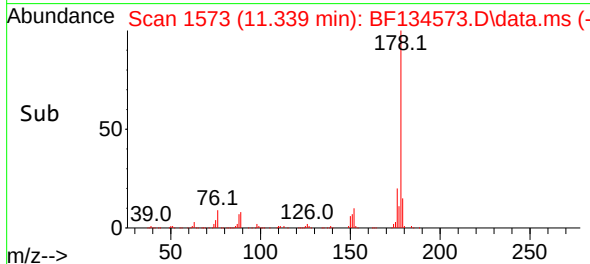
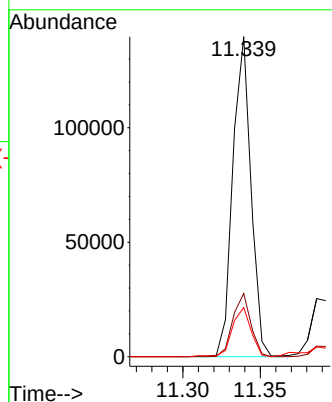
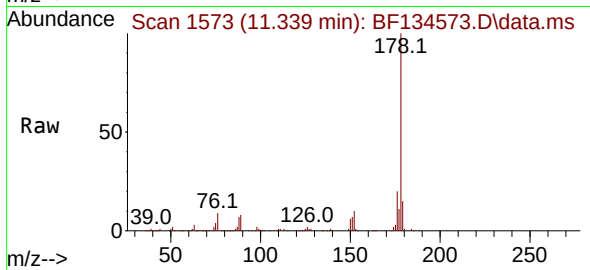




#71
Phenanthrene
Concen: 5.089 ng
RT: 11.339 min Scan# 113964
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

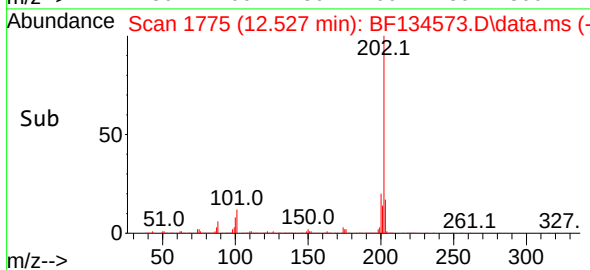
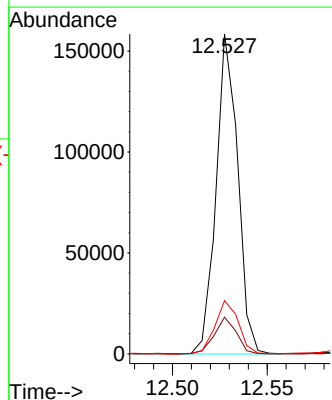
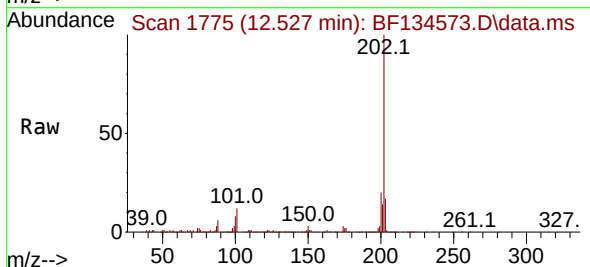
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

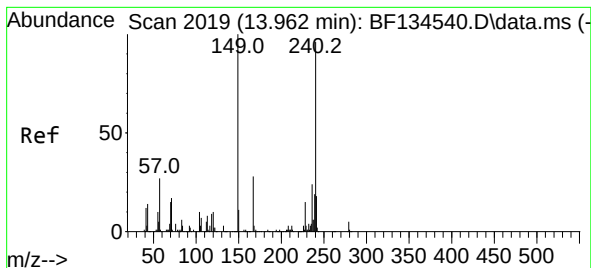
Tgt Ion:178 Resp: 113964
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.4 12.7 19.1



#75
Fluoranthene
Concen: 5.331 ng
RT: 12.527 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:202 Resp: 126106
Ion Ratio Lower Upper
202 100
101 11.5 0.0 28.5
203 16.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

SB-26-15-17-20230719

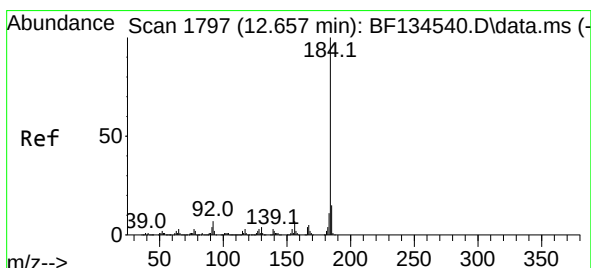
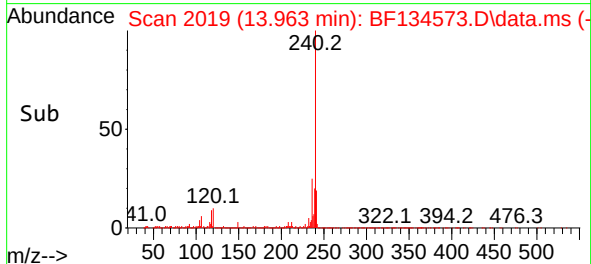
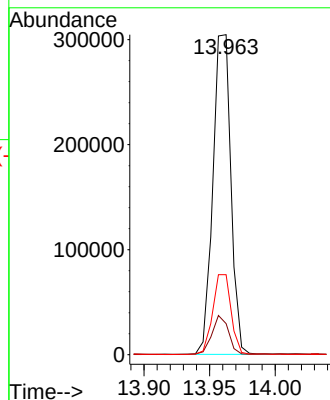
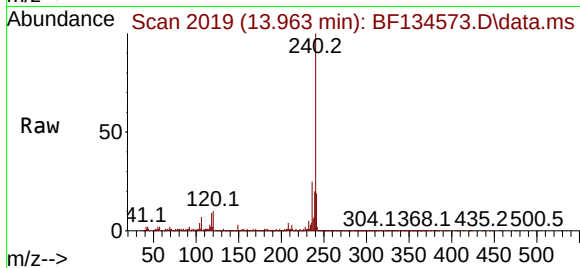
Tgt Ion:240 Resp: 291163

Ion Ratio Lower Upper

240 100

120 9.7 6.6 10.0

236 25.0 20.2 30.2



#77

Benzidine

Concen: 2.330 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.253 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

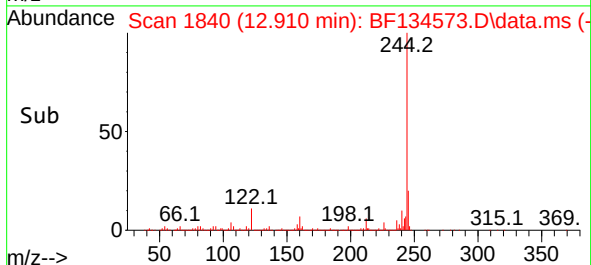
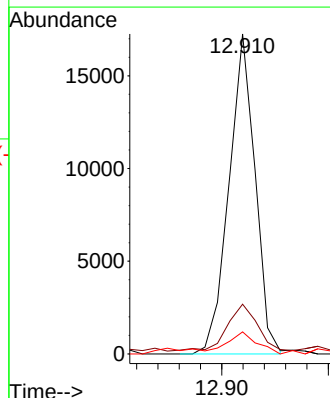
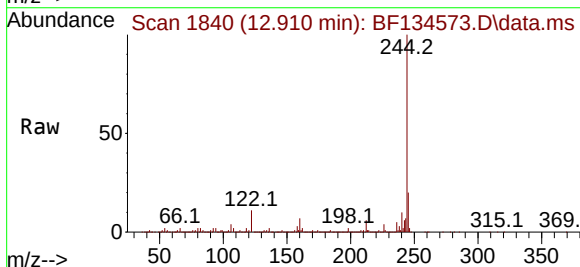
Tgt Ion:184 Resp: 14726

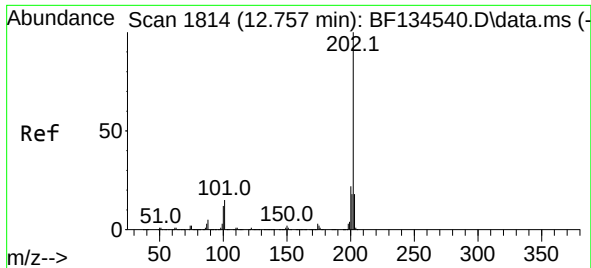
Ion Ratio Lower Upper

184 100

185 15.5 11.2 16.8

183 6.9 8.6 13.0#

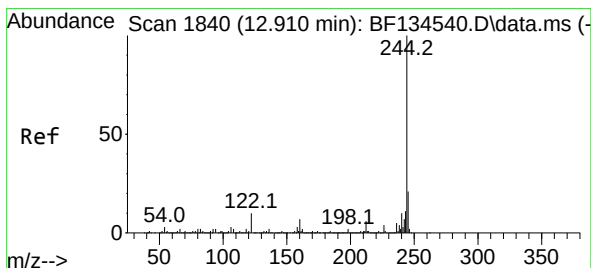
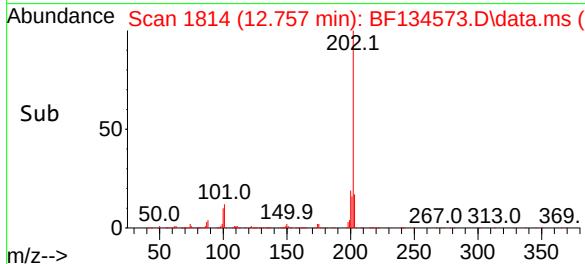
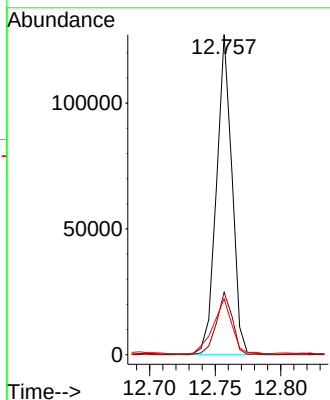
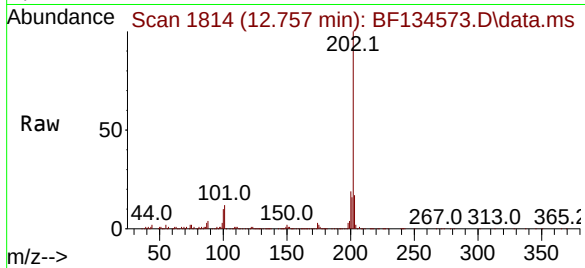




#78
Pyrene
Concen: 4.133 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

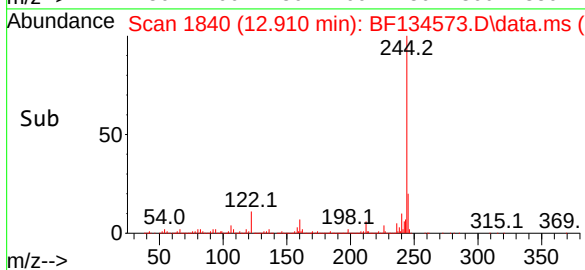
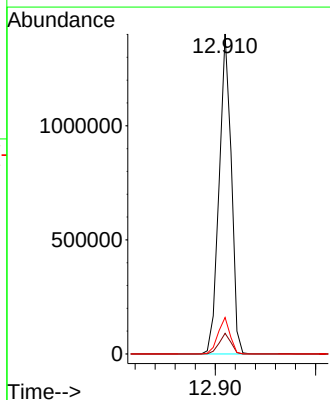
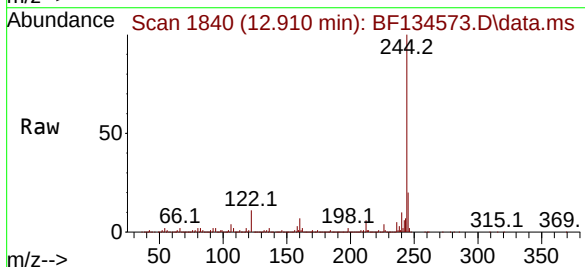
Instrument :
BNA_F
ClientSampleId :
SB-26-15-17-20230719

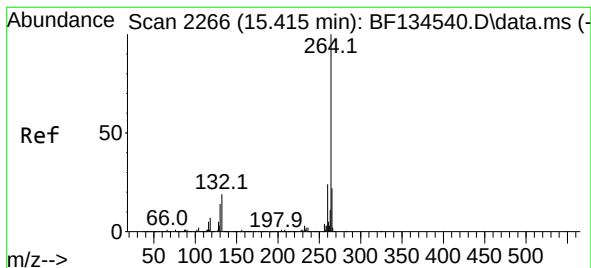
Tgt Ion:202 Resp: 104125
Ion Ratio Lower Upper
202 100
200 19.5 15.8 23.8
203 17.4 13.5 20.3



#79
Terphenyl-d14
Concen: 71.131 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134573.D
Acq: 02 Aug 2023 11:23

Tgt Ion:244 Resp: 1174828
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.4 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

SB-26-15-17-20230719

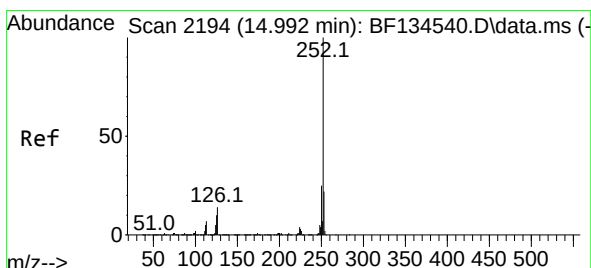
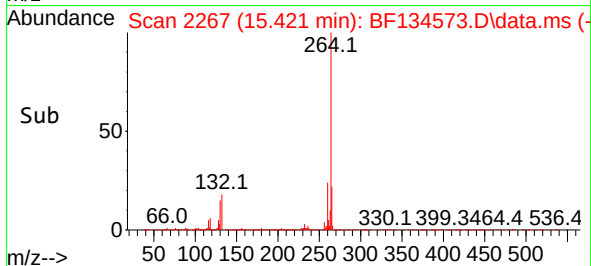
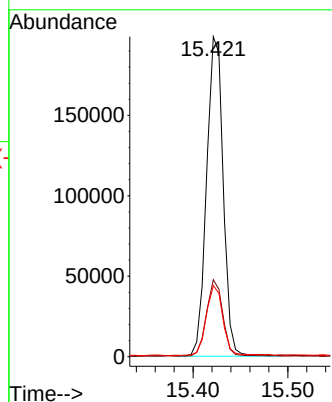
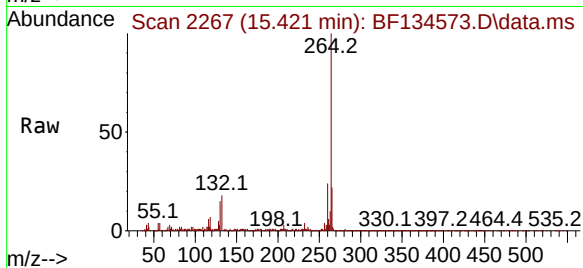
Tgt Ion:264 Resp: 241218

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 22.2 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 2.835 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF134573.D

Acq: 02 Aug 2023 11:23

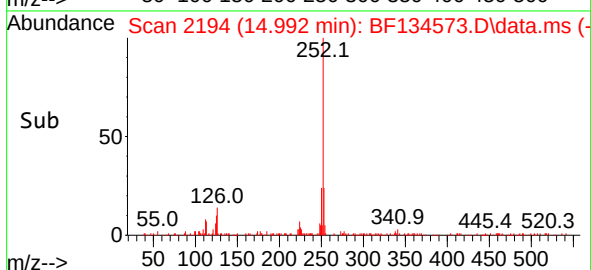
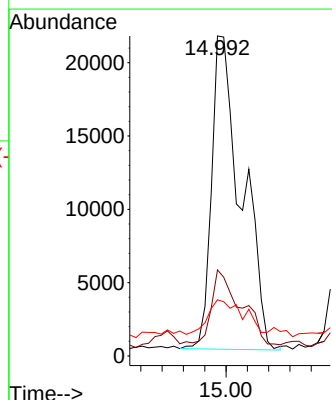
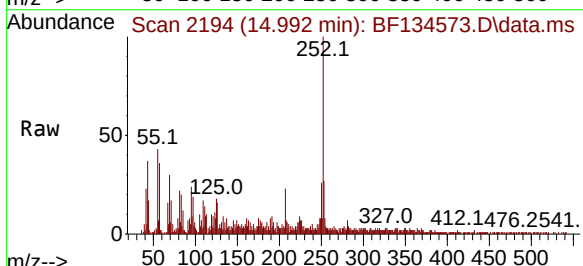
Tgt Ion:252 Resp: 41709

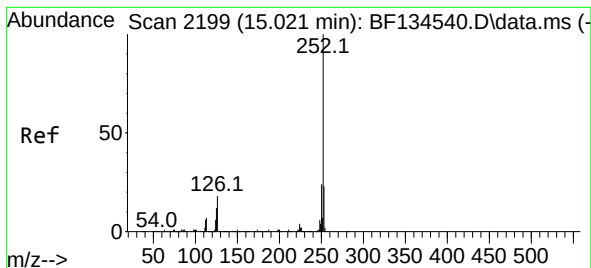
Ion Ratio Lower Upper

252 100

253 26.9 17.3 25.9#

125 17.5 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.846 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134573.D

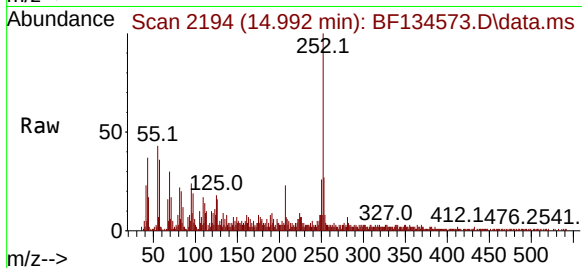
Acq: 02 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:252 Resp: 41709

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9#

125 17.5 6.3 9.5#

