

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134317.D
 Acq On : 17 Jul 2023 15:50
 Operator : CG\JU
 Sample : 03601-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223

Quant Time: Jul 17 16:17:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

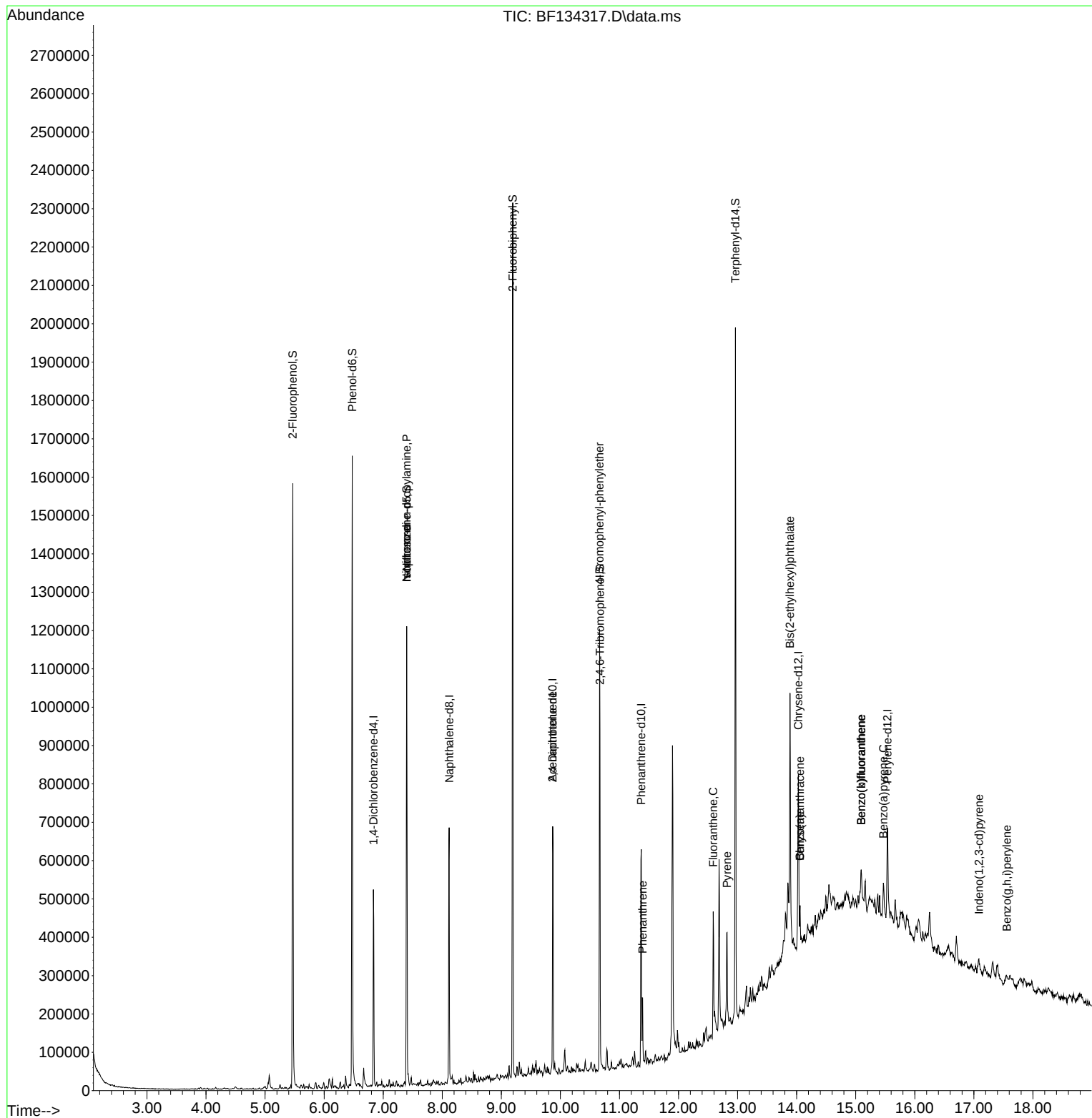
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	73607	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	274575	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	126854	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	215626	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	139440	20.000	ng	-0.01
86) Perylene-d12	15.539	264	107863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	408307	92.791	ng	0.00
7) Phenol-d6	6.475	99	477764	88.287	ng	-0.01
23) Nitrobenzene-d5	7.398	82	330648	64.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	135922	85.459	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	614343	70.411	ng	-0.01
79) Terphenyl-d14	12.963	244	600495	69.309	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	376	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.398	70	45980	13.398	ng	# 75
25) Isophorone	7.398	82	330279	35.678	ng	# 64
57) 2,4-Dinitrotoluene	9.869	165	18275	6.977	ng	# 22
67) 4-Bromophenyl-phenylether	10.663	248	8382	3.657	ng	# 1
71) Phenanthrene	11.392	178	67649	6.232	ng	97
75) Fluoranthene	12.586	202	121487	10.352	ng	98
78) Pyrene	12.822	202	107518	8.285	ng	100
81) Benzo(a)anthracene	14.057	228	44954	4.649	ng	92
83) Chrysene	14.057	228	44954	4.799	ng	# 96
84) Bis(2-ethylhexyl)phtha...	13.886	149	260299	46.545	ng	# 55
87) Indeno(1,2,3-cd)pyrene	17.086	276	17824	2.381	ng	94
88) Benzo(b)fluoranthene	15.092	252	56871	8.967	ng	# 81
89) Benzo(k)fluoranthene	15.092	252	56871	8.807	ng	# 80
90) Benzo(a)pyrene	15.468	252	29188	4.759	ng	# 80
92) Benzo(g,h,i)perylene	17.557	276	20277	3.216	ng	95

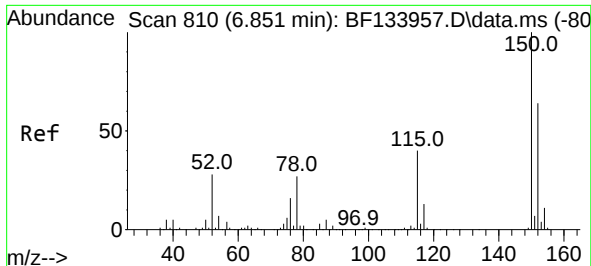
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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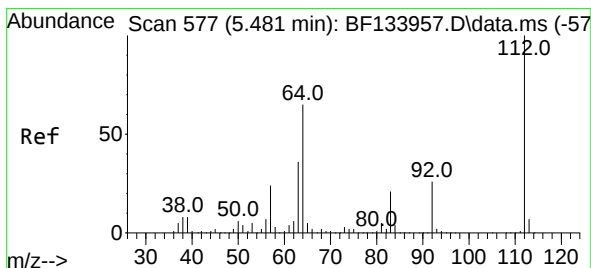
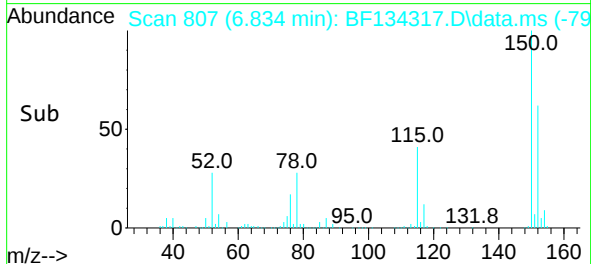
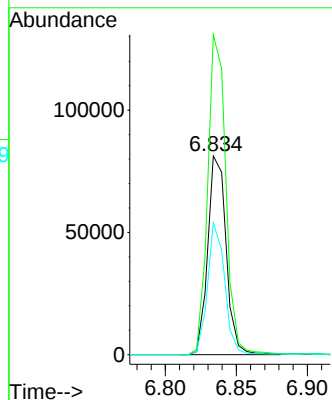
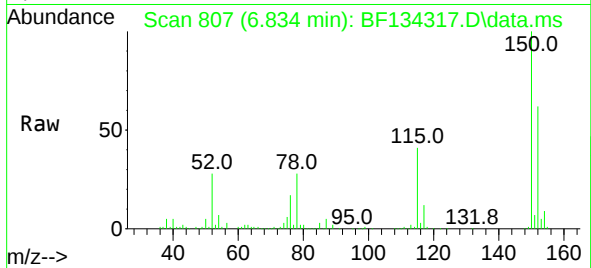




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

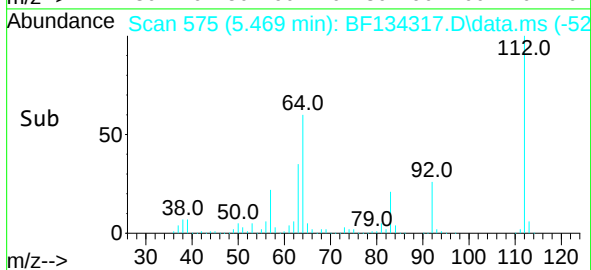
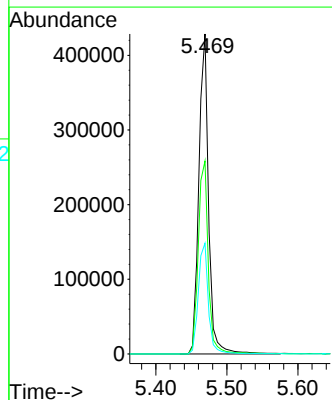
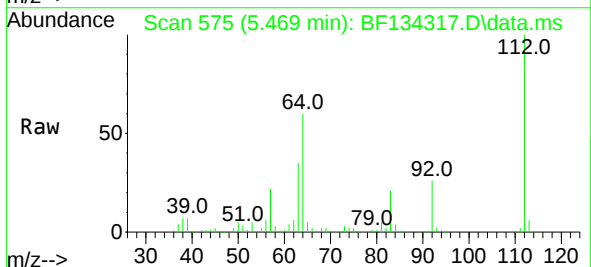
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

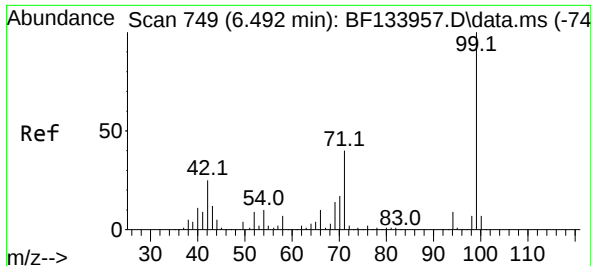
Tgt Ion:152 Resp: 73607
Ion Ratio Lower Upper
152 100
150 161.0 124.5 186.7
115 66.2 50.2 75.2



#5
2-Fluorophenol
Concen: 92.791 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:112 Resp: 408307
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.6 28.6 42.8

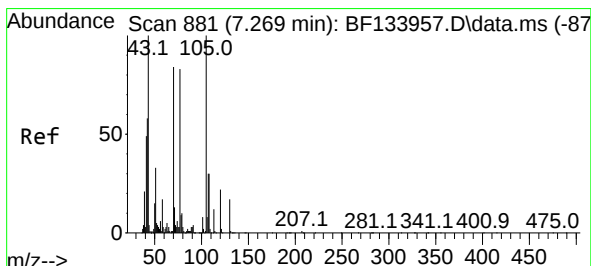
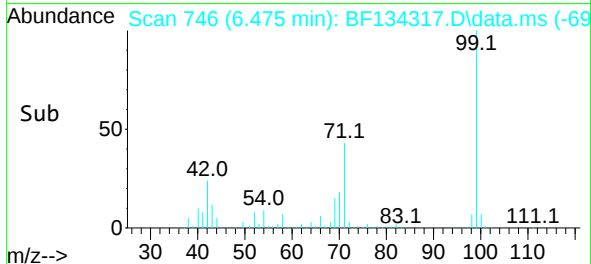
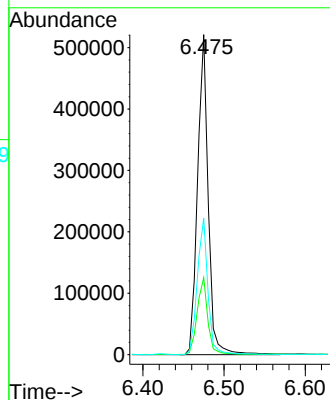
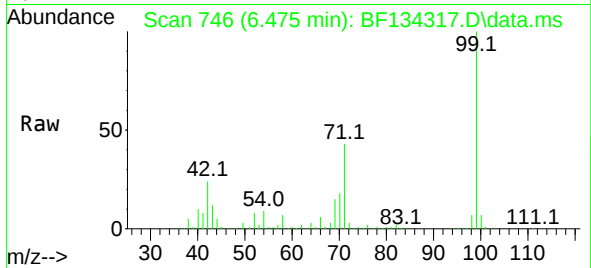




#7
Phenol-d6
Concen: 88.287 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

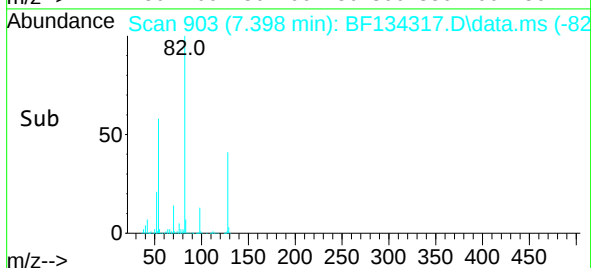
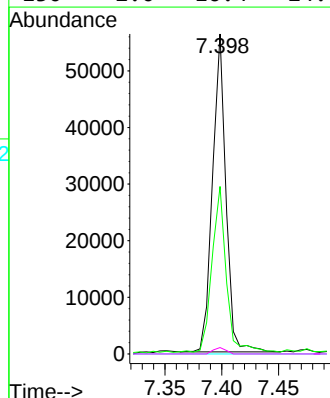
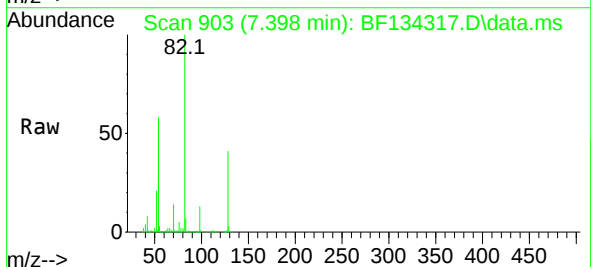
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

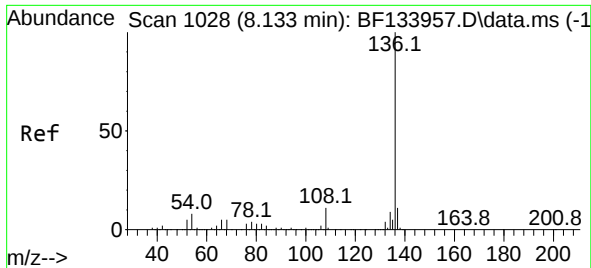
Tgt Ion: 99 Resp: 477764
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 42.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.398 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion: 70 Resp: 45980
Ion Ratio Lower Upper
70 100
42 52.4 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#



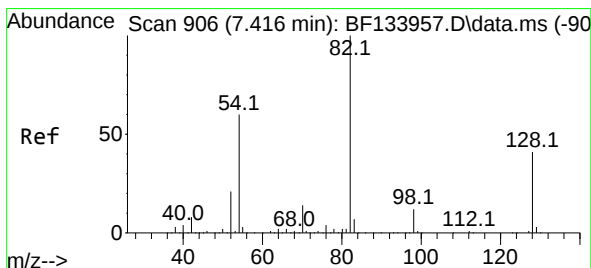
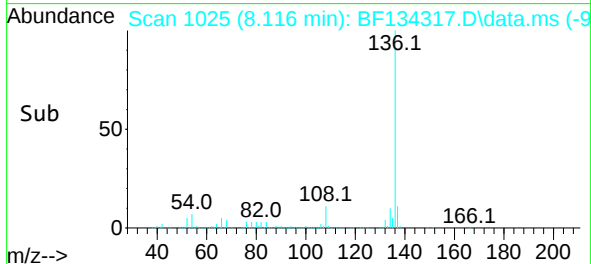
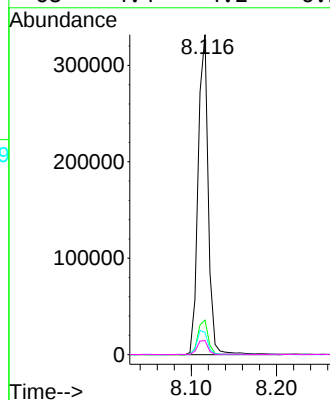
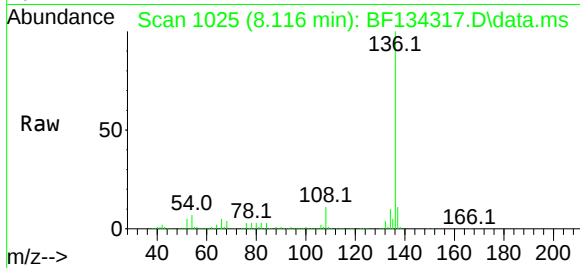


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :
HR-1-071223

Tgt Ion:136 Resp: 274575

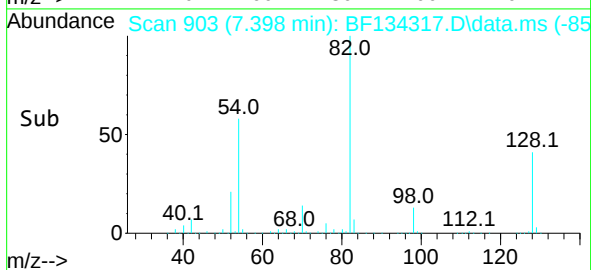
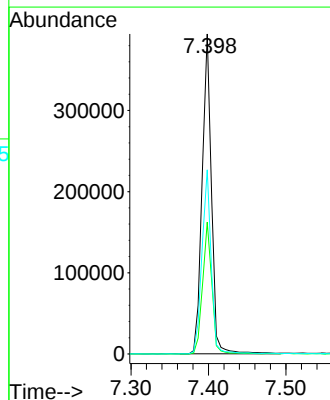
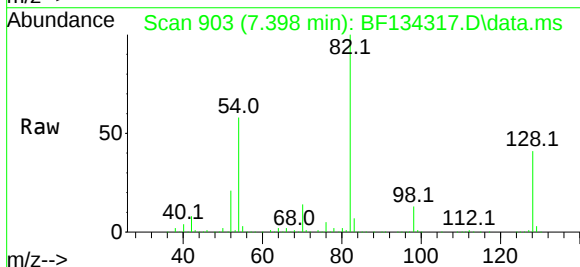
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.0	6.5	9.7
68	4.4	4.2	6.2

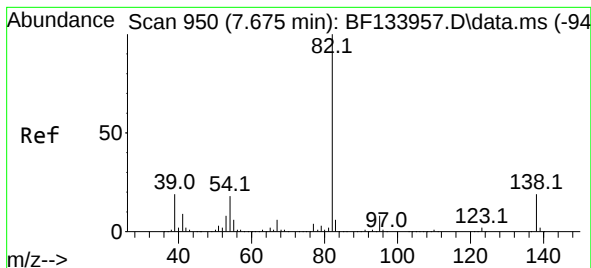


#23
Nitrobenzene-d5
Concen: 64.914 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion: 82 Resp: 330648

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.5	48.7
54	57.5	48.2	72.2





#25

Isophorone

Concen: 35.678 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.264 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

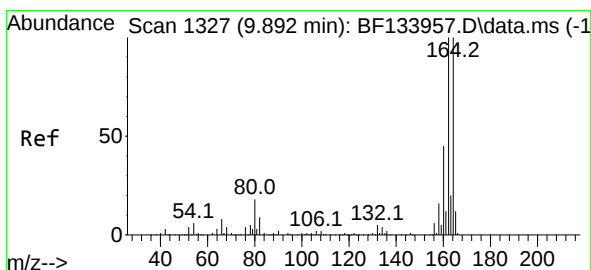
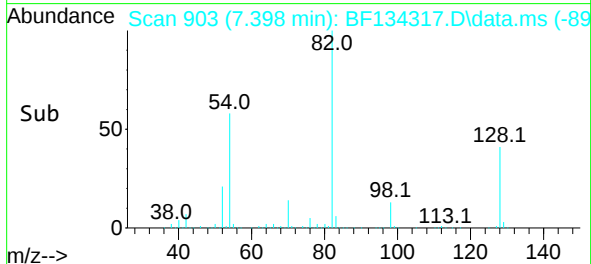
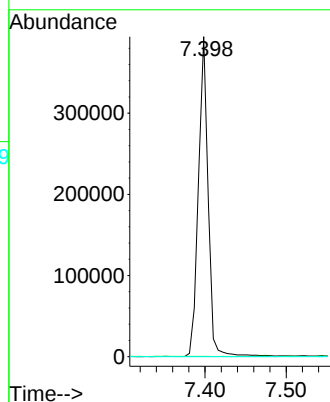
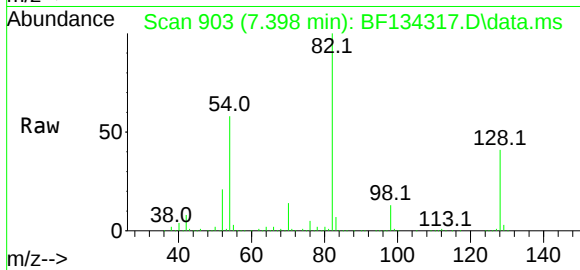
Tgt Ion: 82 Resp: 330279

Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

138 0.0 15.2 22.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

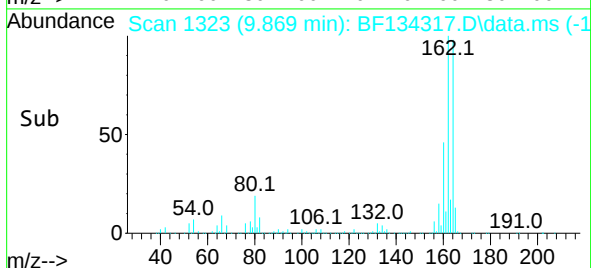
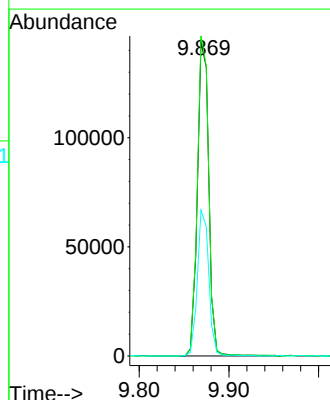
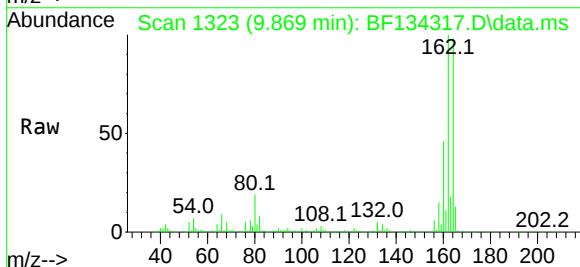
Tgt Ion: 164 Resp: 126854

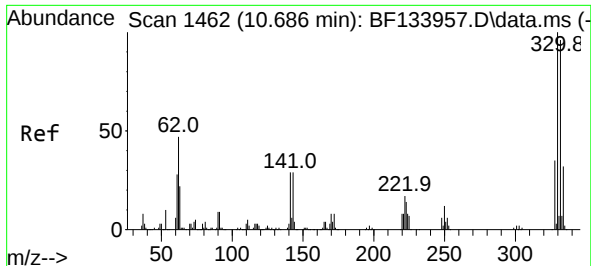
Ion Ratio Lower Upper

164 100

162 102.0 80.0 120.0

160 46.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 85.459 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134317.D

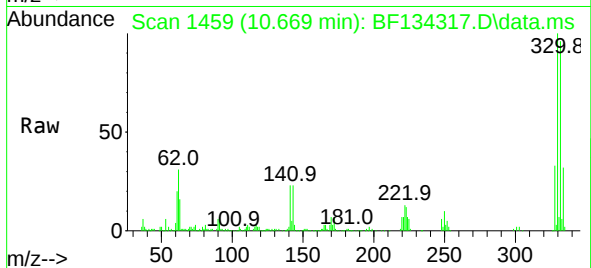
Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223



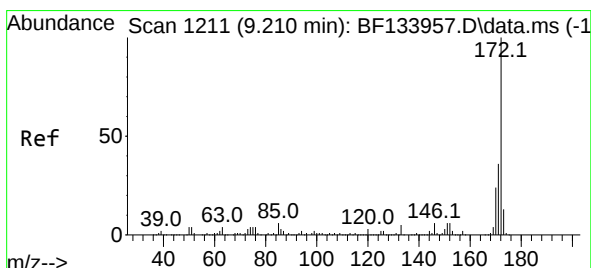
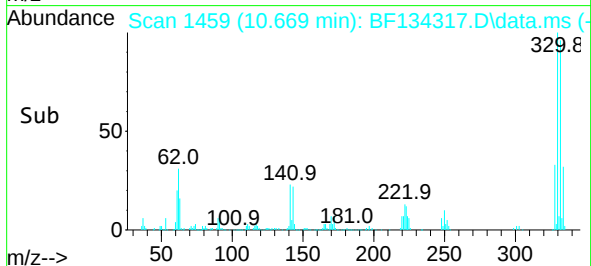
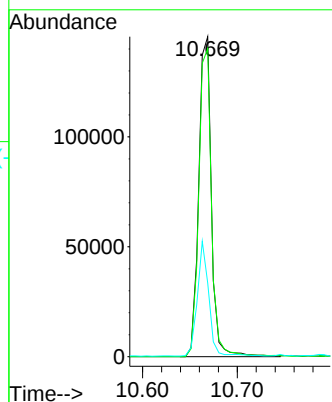
Tgt Ion:330 Resp: 135922

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

141 32.2 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 70.411 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

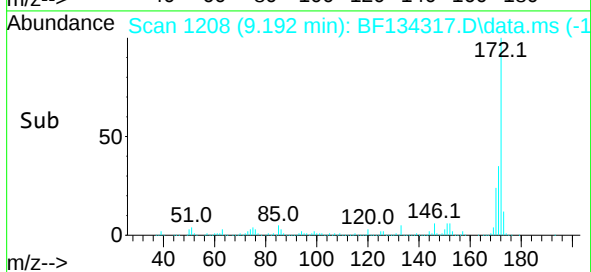
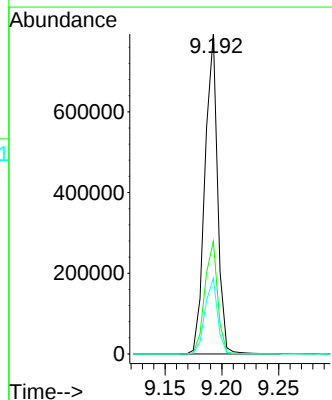
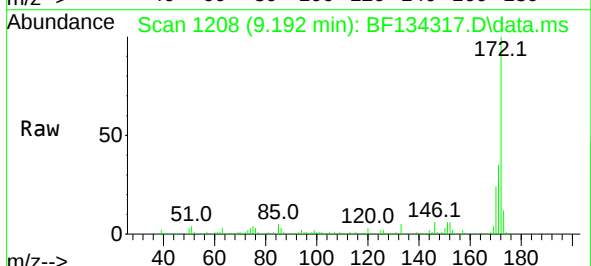
Tgt Ion:172 Resp: 614343

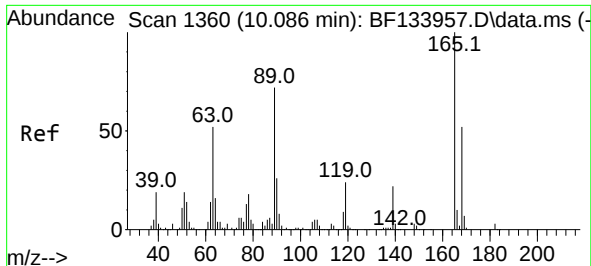
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.7 19.4 29.0

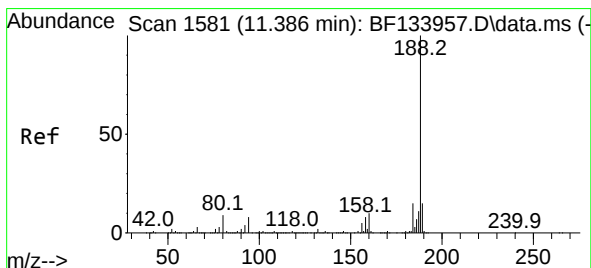
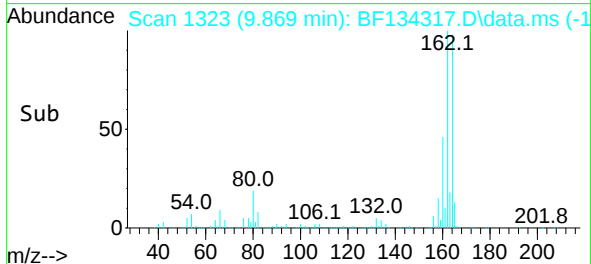
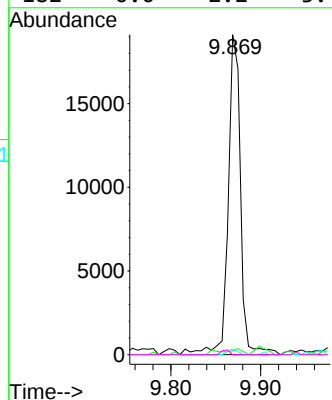
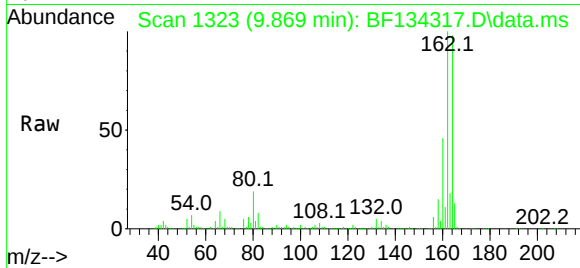




#57
2,4-Dinitrotoluene
Concen: 6.977 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

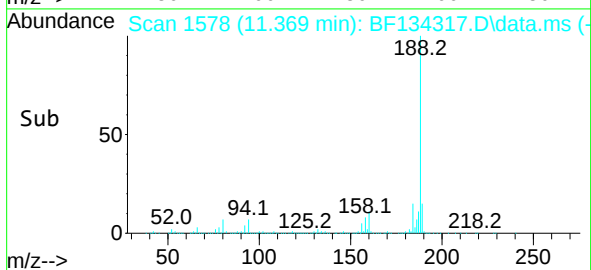
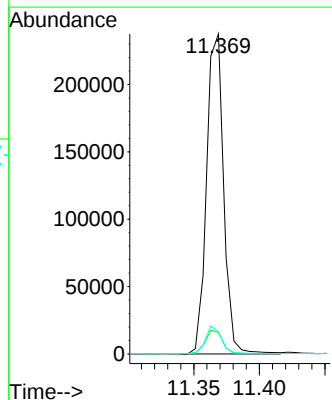
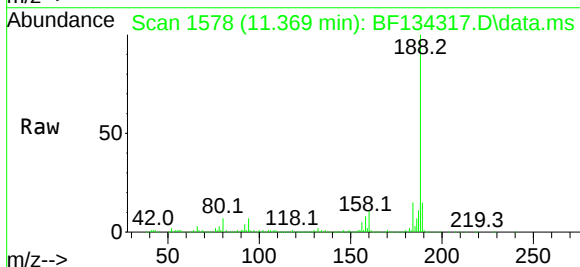
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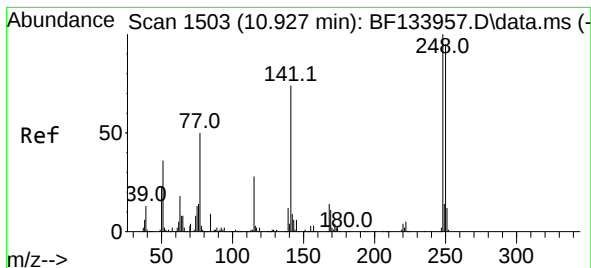
Tgt Ion:165 Resp: 18275
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.7 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:188 Resp: 215626
Ion Ratio Lower Upper
188 100
94 6.7 6.4 9.6
80 6.9 7.3 10.9#

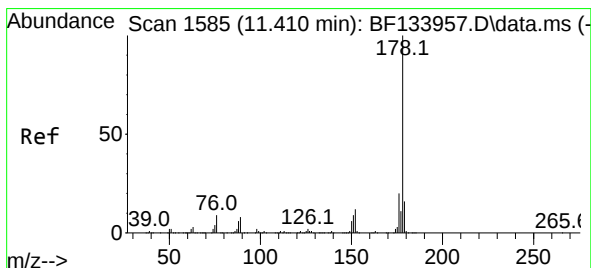
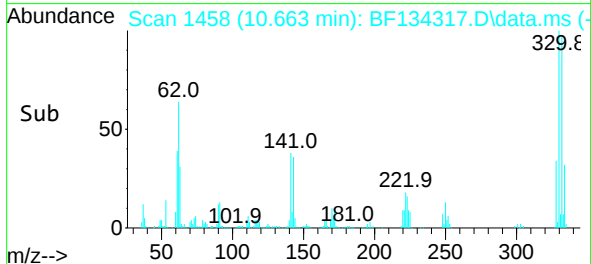
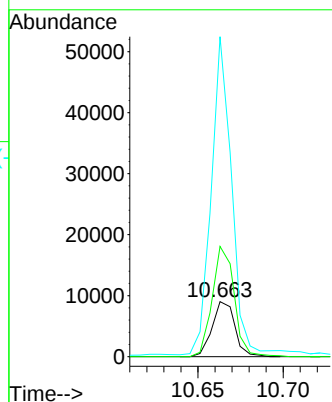
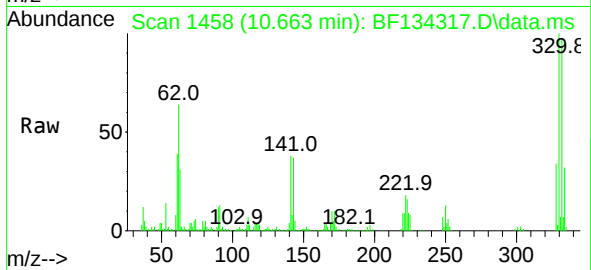




#67
4-Bromophenyl-phenylether
Concen: 3.657 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.253 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

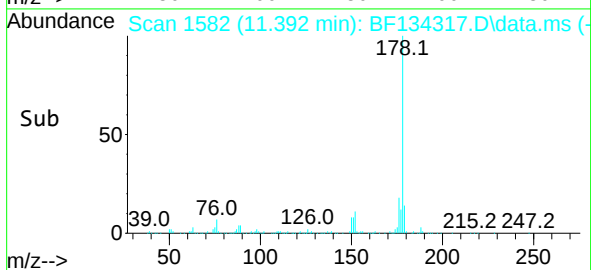
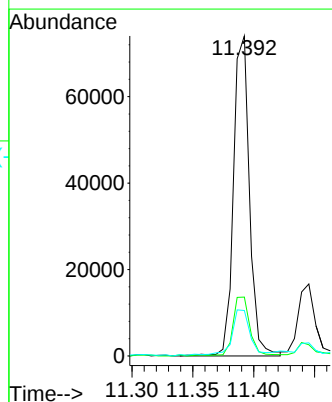
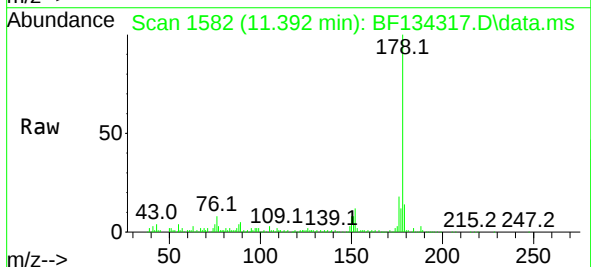
Instrument :
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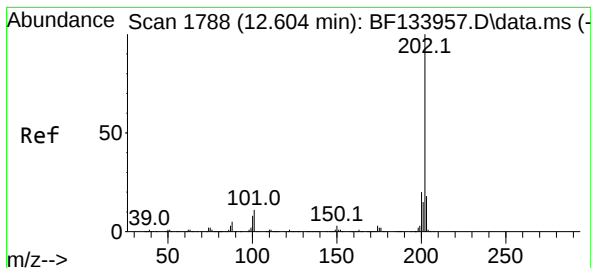
Tgt Ion:248 Resp: 8382
Ion Ratio Lower Upper
248 100
250 200.1 76.2 114.4#
141 580.9 59.0 88.4#



#71
Phenanthrene
Concen: 6.232 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:178 Resp: 67649
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.2 12.4 18.6





#75

Fluoranthene

Concen: 10.352 ng

RT: 12.586 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

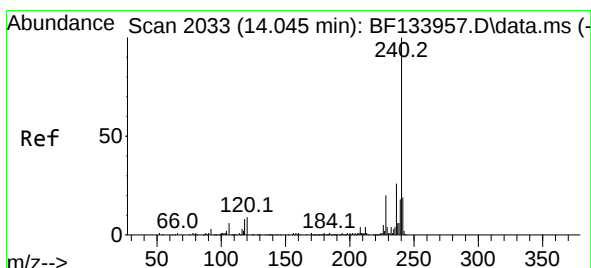
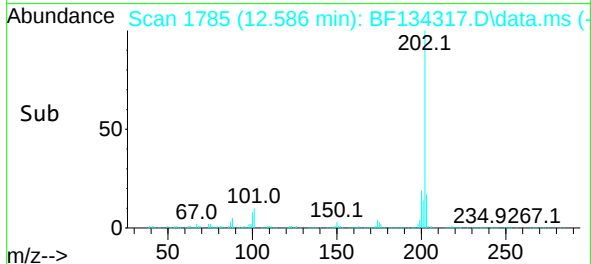
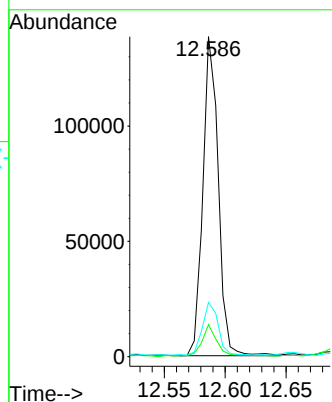
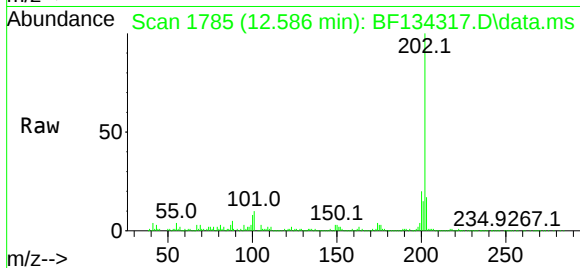
Tgt Ion:202 Resp: 121487

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.0

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

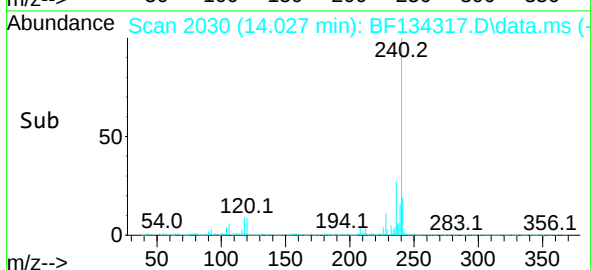
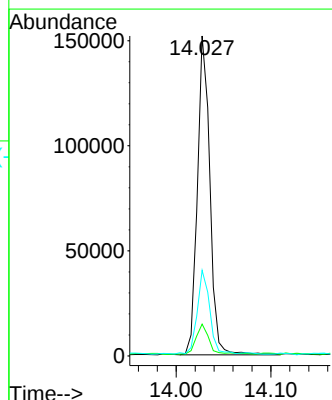
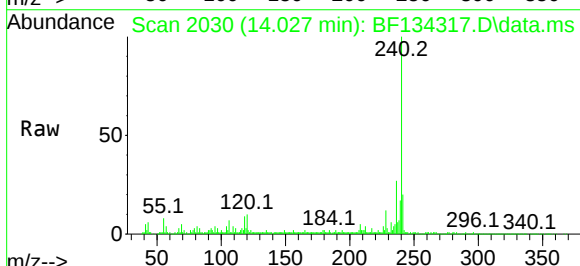
Tgt Ion:240 Resp: 139440

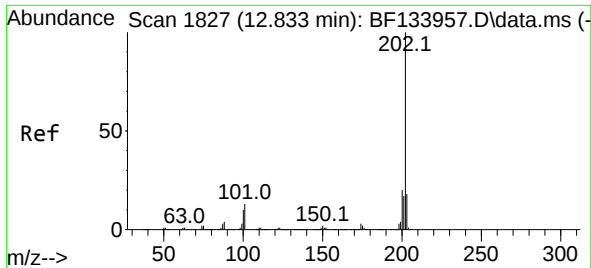
Ion Ratio Lower Upper

240 100

120 10.0 7.4 11.0

236 26.7 21.0 31.6

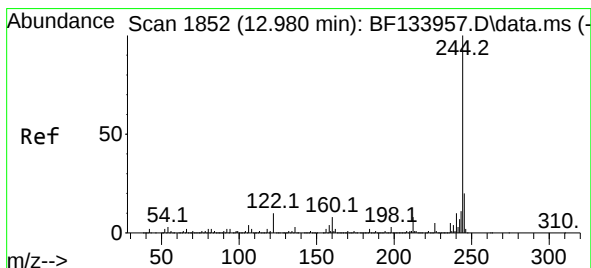
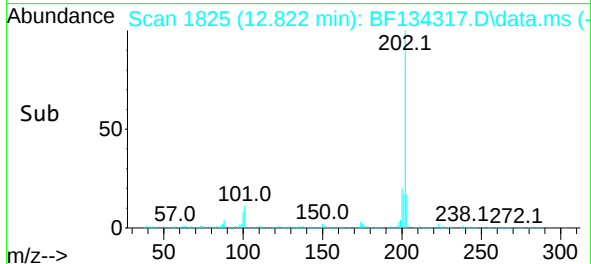
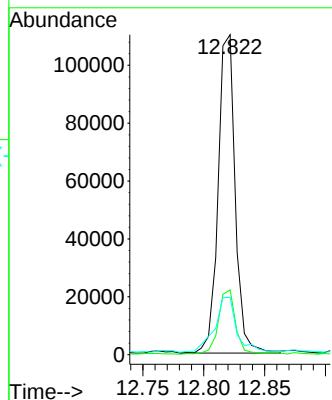
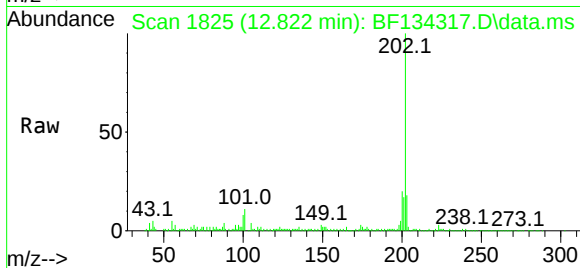




#78
 Pyrene
 Concen: 8.285 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF134317.D
 Acq: 17 Jul 2023 15:50

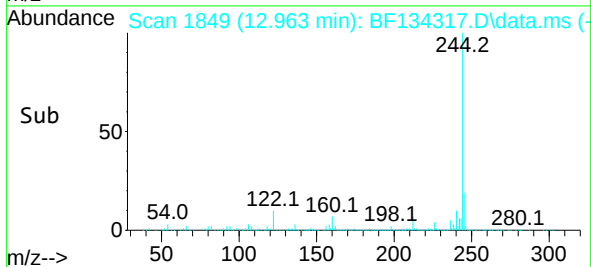
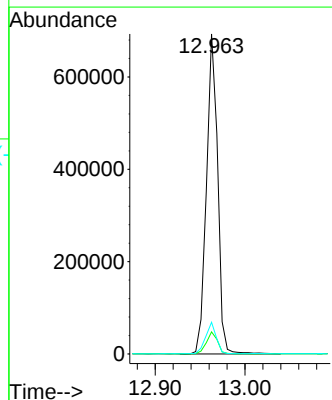
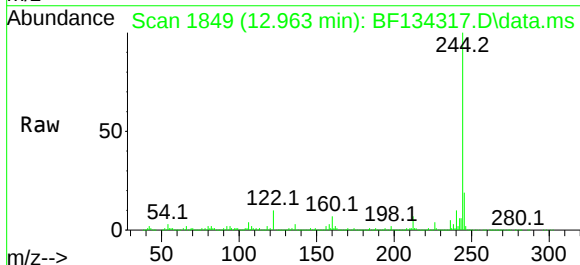
Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223

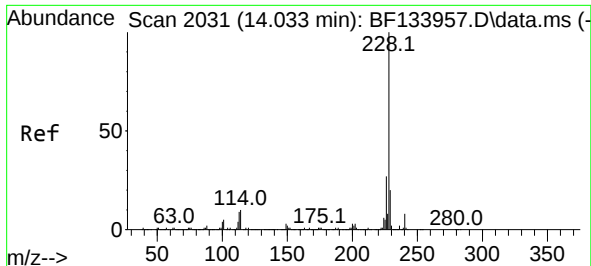
Tgt Ion:202 Resp: 107518
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.1 24.1
 203 17.9 14.3 21.5



#79
 Terphenyl-d14
 Concen: 69.309 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134317.D
 Acq: 17 Jul 2023 15:50

Tgt Ion:244 Resp: 600495
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.9 8.3 12.5

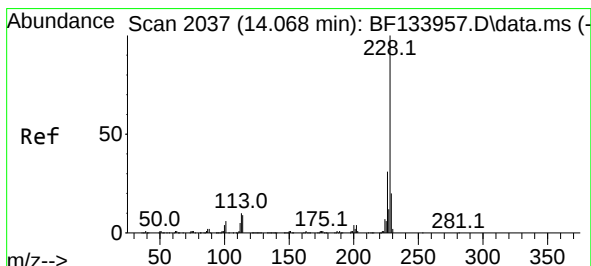
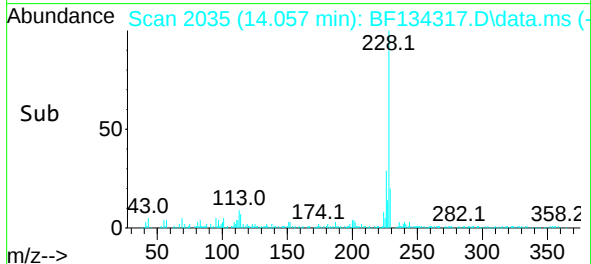
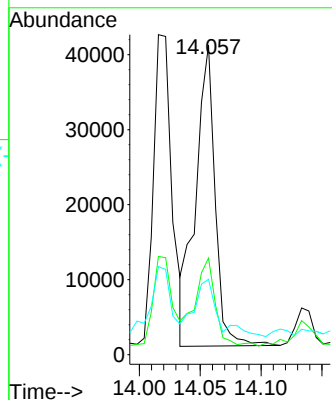
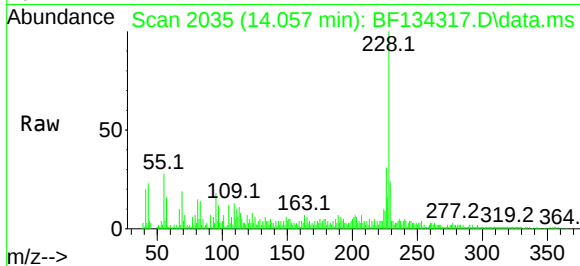




#81
Benzo(a)anthracene
Concen: 4.649 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.030 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

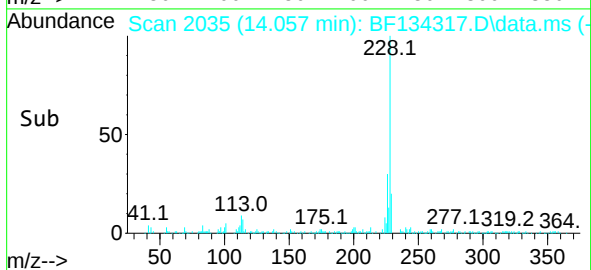
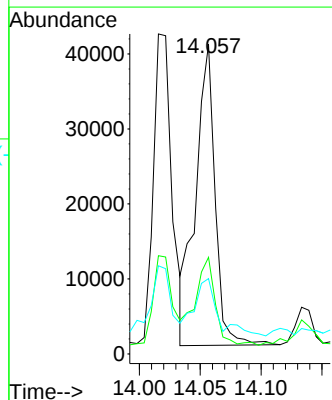
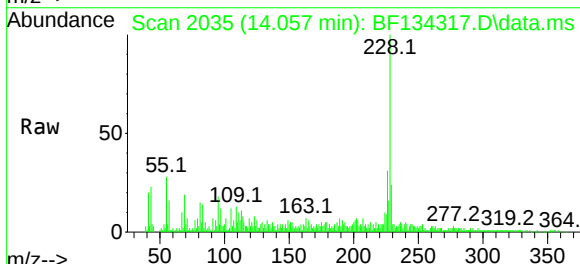
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

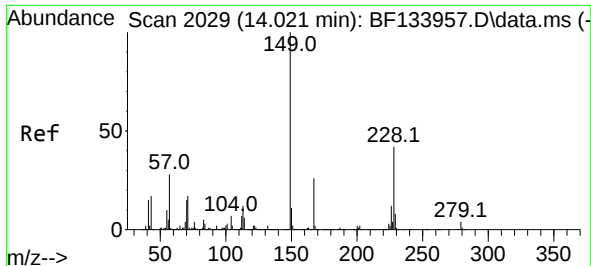
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.0	33.0
229	24.4	16.3	24.5



#83
Chrysene
Concen: 4.799 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	24.4	16.1	24.1#

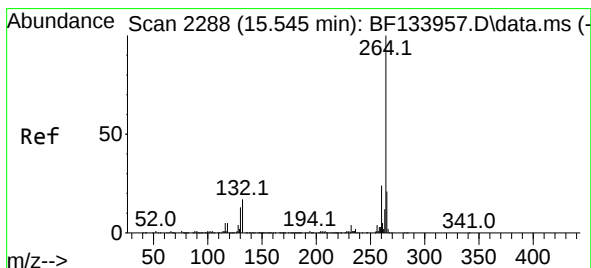
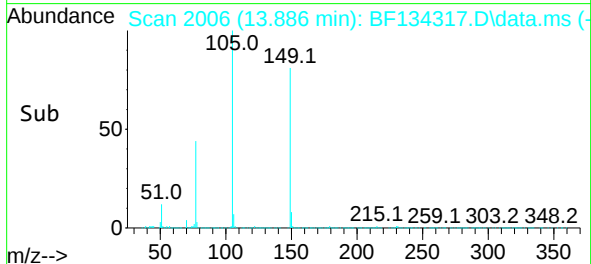
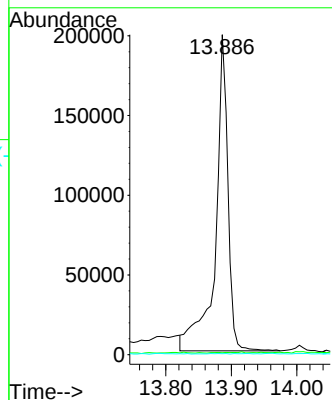
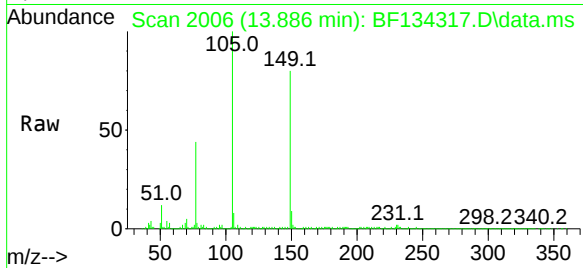




#84
Bis(2-ethylhexyl)phthalate
Concen: 46.545 ng
RT: 13.886 min Scan# 20
Delta R.T. -0.129 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

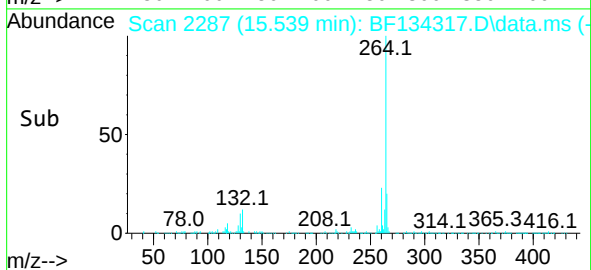
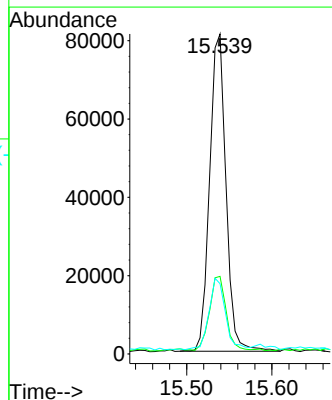
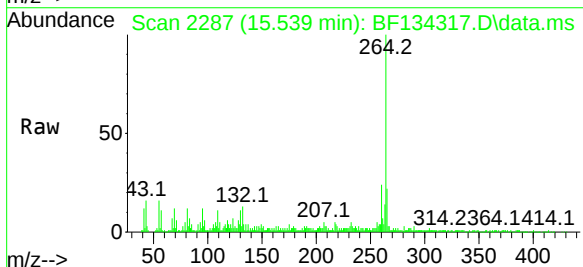
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

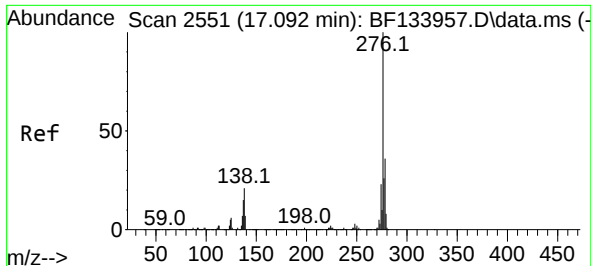
Tgt Ion:149 Resp: 260299
Ion Ratio Lower Upper
149 100
167 0.6 21.0 31.4#
279 0.3 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:264 Resp: 107863
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.9 16.6 25.0

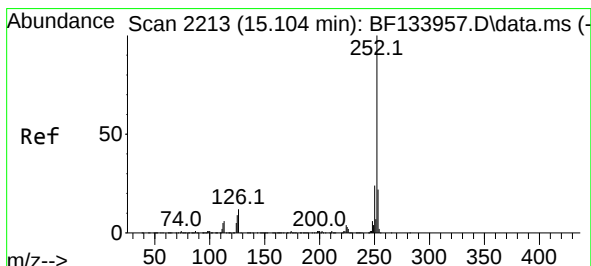
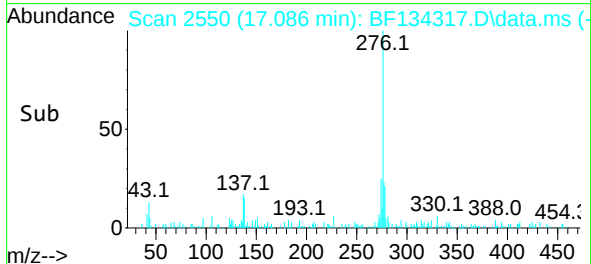
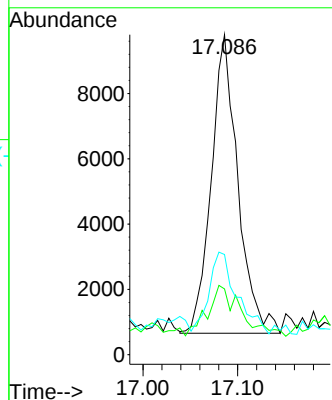
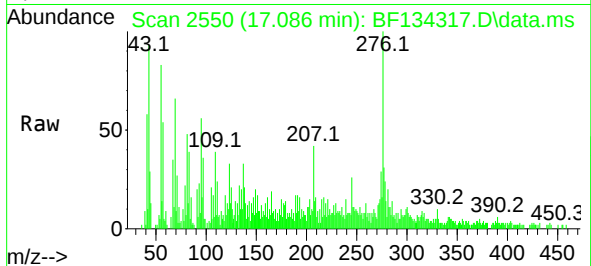




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.381 ng
RT: 17.086 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

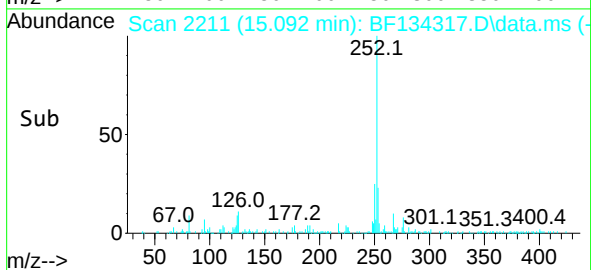
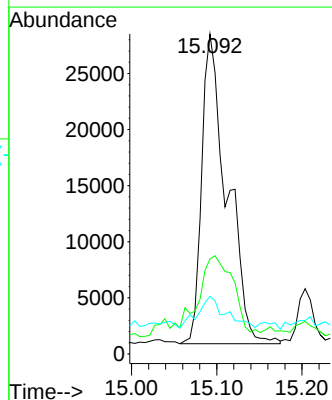
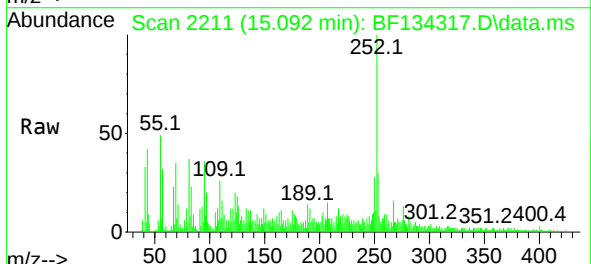
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

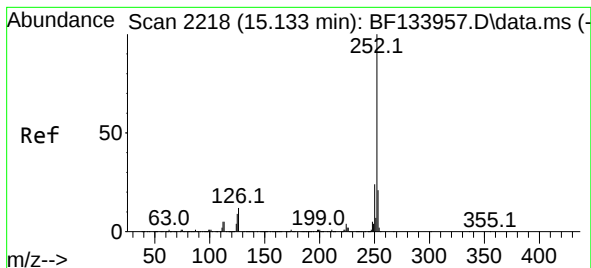
Tgt Ion:276 Resp: 17824
Ion Ratio Lower Upper
276 100
138 21.4 18.7 28.1
277 28.8 19.9 29.9



#88
Benzo(b)fluoranthene
Concen: 8.967 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:252 Resp: 56871
Ion Ratio Lower Upper
252 100
253 29.7 17.4 26.0#
125 18.1 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 8.807 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

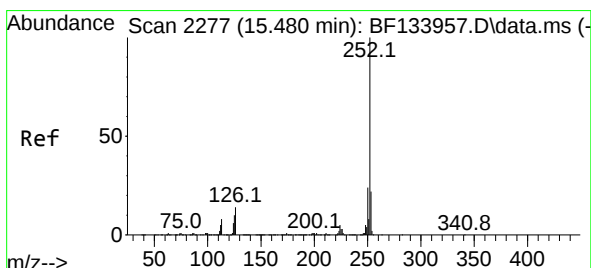
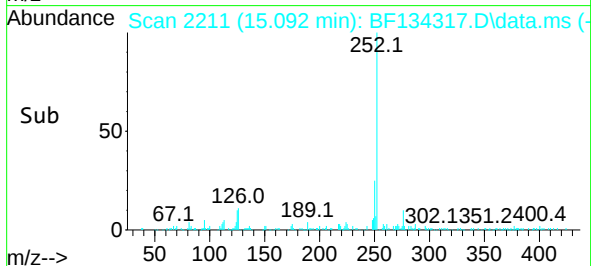
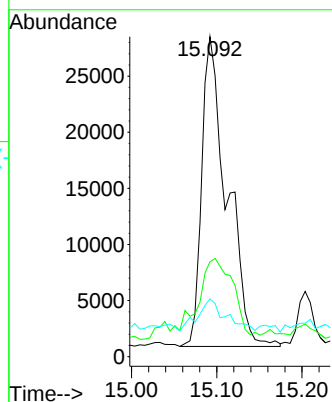
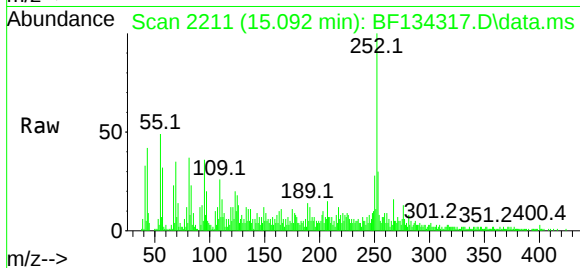
Tgt Ion:252 Resp: 56871

Ion Ratio Lower Upper

252 100

253 29.7 16.9 25.3#

125 18.1 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 4.759 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

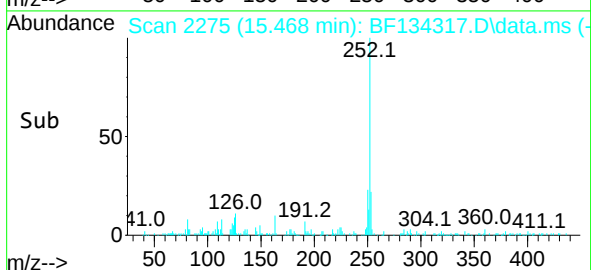
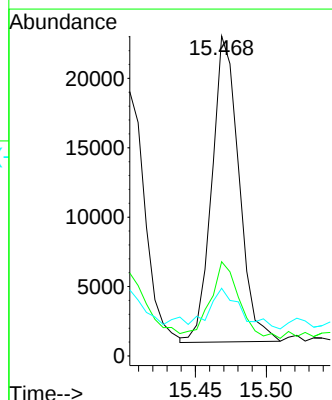
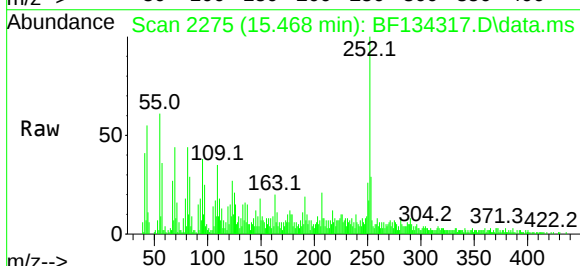
Tgt Ion:252 Resp: 29188

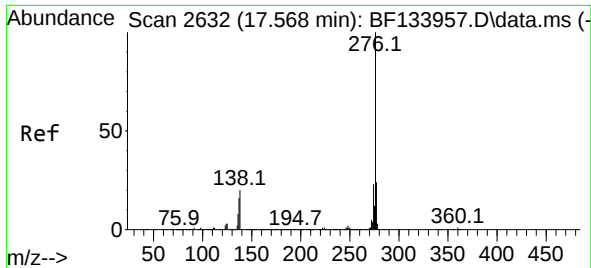
Ion Ratio Lower Upper

252 100

253 29.5 17.4 26.0#

125 21.1 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 3.216 ng

RT: 17.557 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134317.D

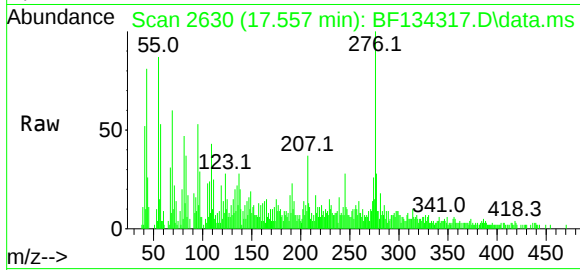
Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223



Tgt Ion:276 Resp: 20277

Ion Ratio Lower Upper

276 100

277 28.3 19.0 28.6

138 20.2 16.2 24.2

