

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130017.D
 Acq On : 26 Aug 2022 13:55
 Operator : CG\JU
 Sample : N4243-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Quant Time: Aug 27 06:07:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

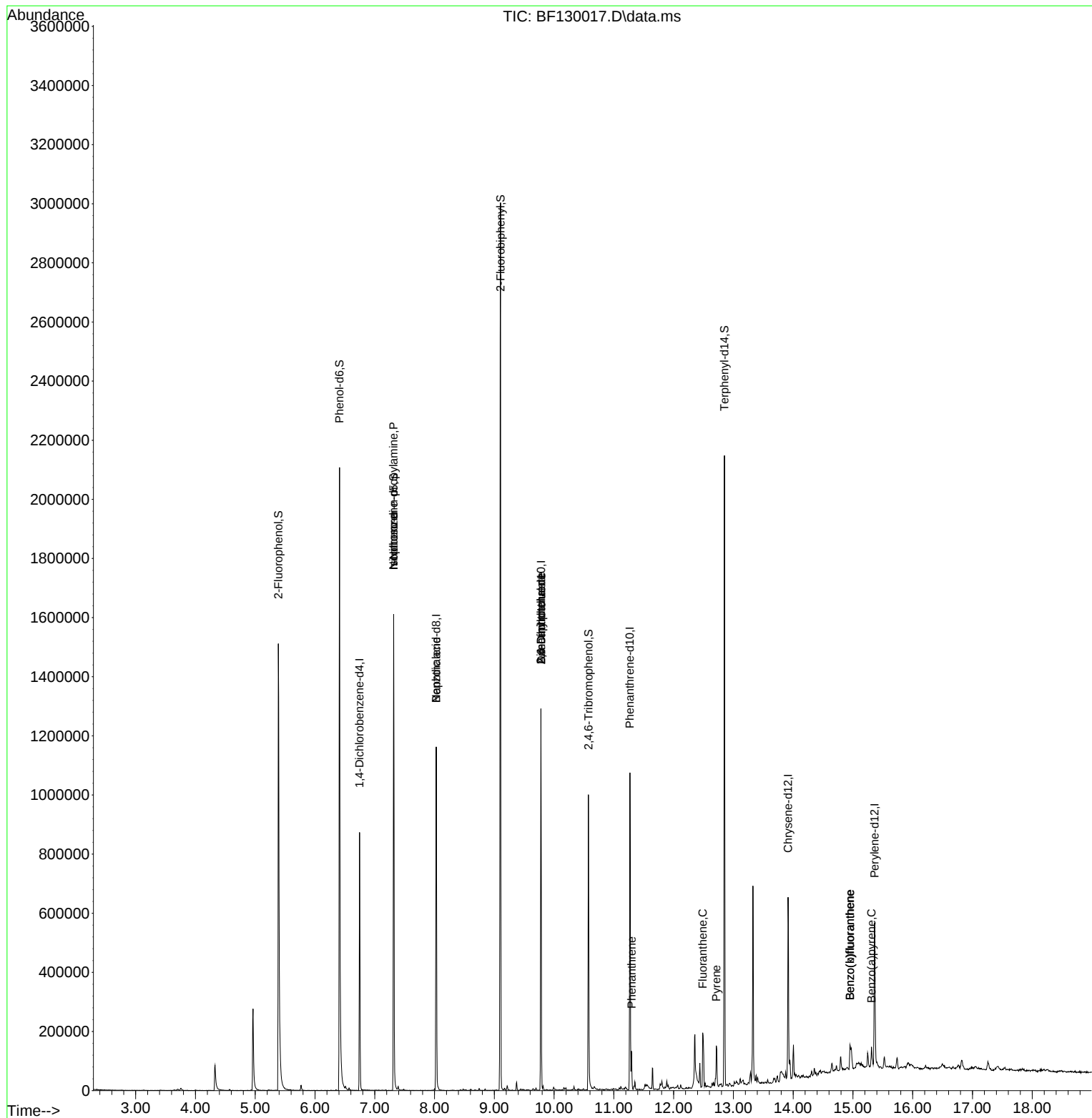
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	114748	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	465853	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	238038	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	347867	20.000	ng	-0.01
76) Chrysene-d12	13.916	240	189771	20.000	ng	-0.01
86) Perylene-d12	15.362	264	213791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	497723	71.816	ng	0.00
7) Phenol-d6	6.410	99	690168	79.523	ng	-0.01
23) Nitrobenzene-d5	7.316	82	470769	54.097	ng	-0.02
42) 2,4,6-Tribromophenol	10.575	330	104633	43.797	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	860695	54.917	ng	-0.01
79) Terphenyl-d14	12.851	244	625409	54.837	ng	-0.01
Target Compounds					Qvalue	
9) Benzaldehyde	6.363	77	108	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.316	70	62918	11.469	ng	# 78
25) Isophorone	7.316	82	470769	31.431	ng	# 65
32) Benzoic acid	8.028	122	118	2.205	ng	# 1
50) Dimethylphthalate	9.780	163	41219	2.416	ng	# 1
51) 2,6-Dinitrotoluene	9.780	165	30817	8.325	ng	# 23
57) 2,4-Dinitrotoluene	9.780	165	30817	6.413	ng	# 18
71) Phenanthrene	11.298	178	50411	2.595	ng	95
75) Fluoranthene	12.486	202	65640	3.302	ng	99
77) Benzidine	12.851	184	9379	Below Cal	#	92
78) Pyrene	12.716	202	57884	3.510	ng	99
88) Benzo(b)fluoranthene	14.951	252	54310	3.710	ng	98
89) Benzo(k)fluoranthene	14.951	252	54310	3.868	ng	98
90) Benzo(a)pyrene	15.310	252	28189	2.445	ng	# 95

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

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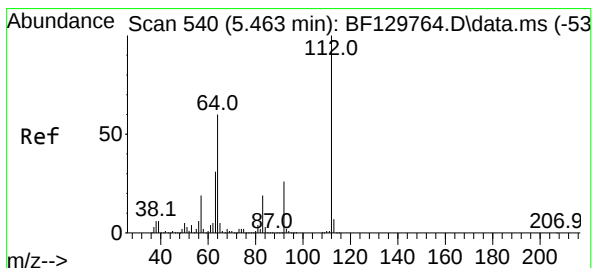
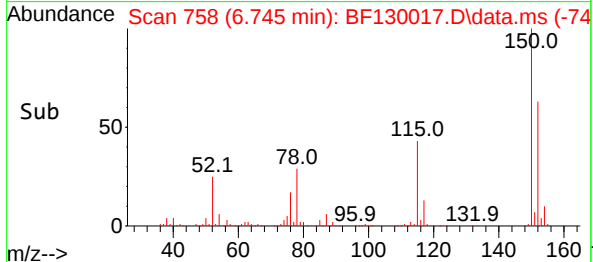
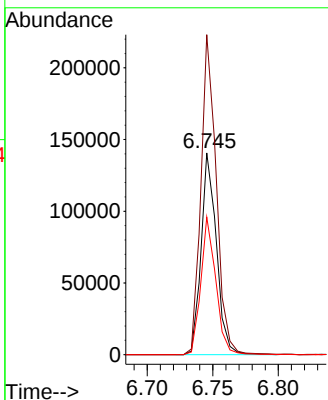
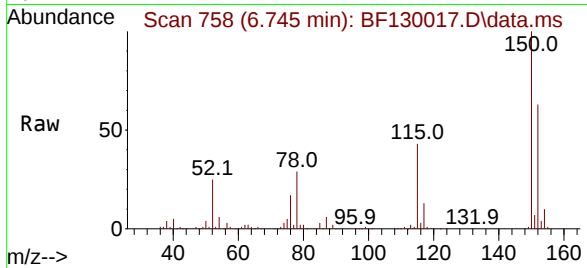




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

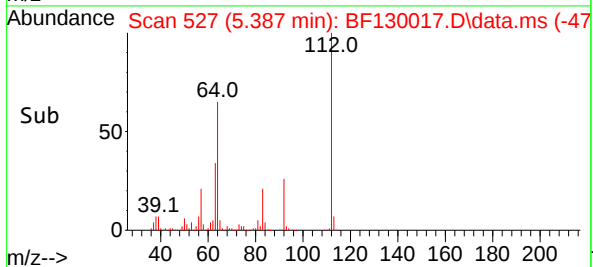
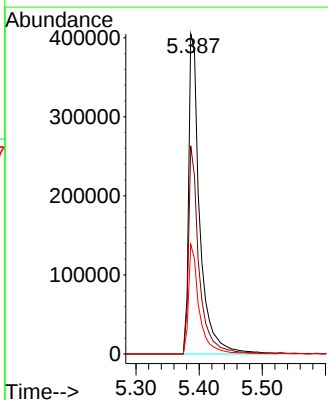
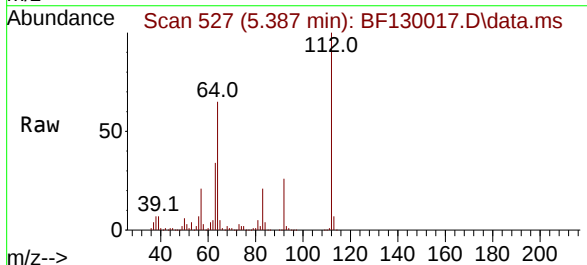
Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:152 Resp: 114748
Ion Ratio Lower Upper
152 100
150 158.6 126.9 190.3
115 68.2 53.4 80.0



#5
2-Fluorophenol
Concen: 71.816 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.006 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:112 Resp: 497723
Ion Ratio Lower Upper
112 100
64 65.0 47.6 71.4
63 34.2 24.6 37.0

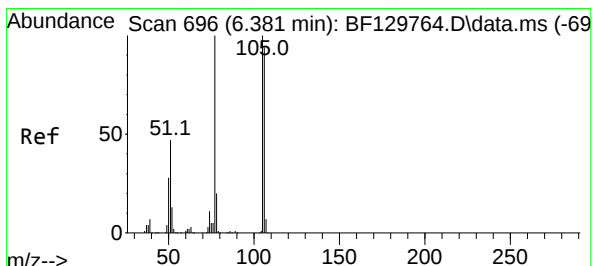
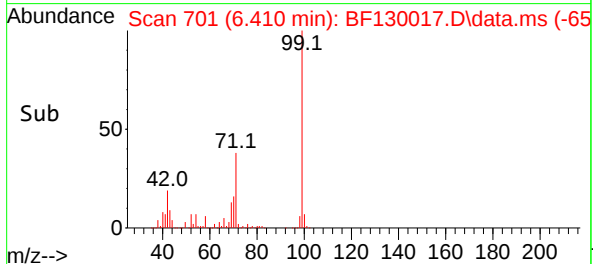
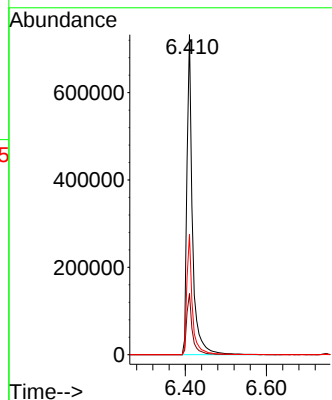
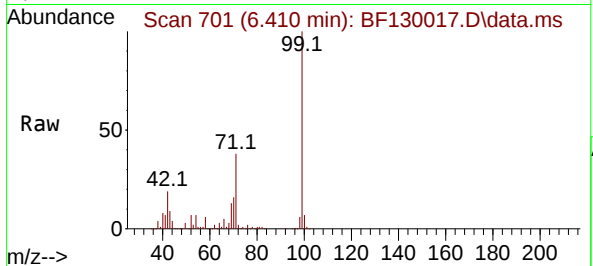




#7
Phenol-d6
Concen: 79.523 ng
RT: 6.410 min Scan# 701
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

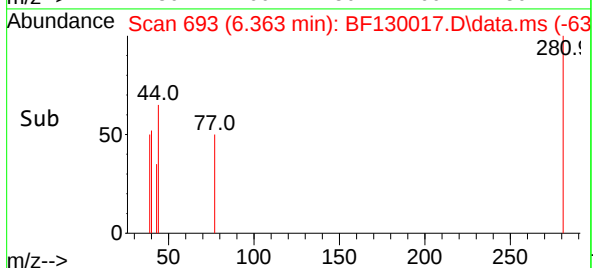
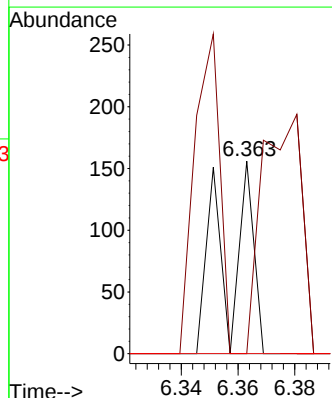
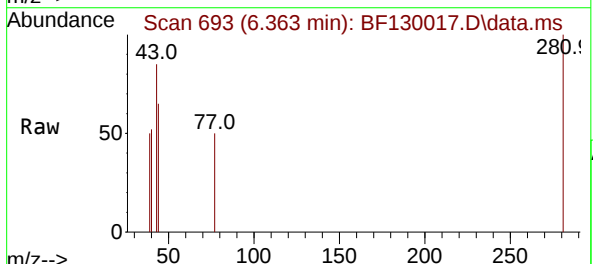
Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion: 99 Resp: 690168
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 37.5 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.363 min Scan# 693
Delta R.T. 0.047 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion: 77 Resp: 108
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#





#19

n-Nitroso-di-n-propylamine

Concen: 11.469 ng

RT: 7.316 min Scan# 8

Delta R.T. 0.135 min

Lab File: BF130017.D

Acq: 26 Aug 2022 13:55

Instrument :

BNA_F

ClientSampleId :

B-4

Tgt Ion: 70 Resp: 62918

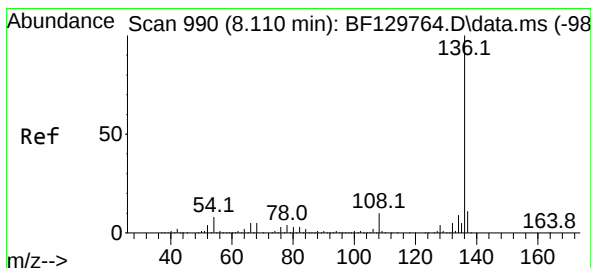
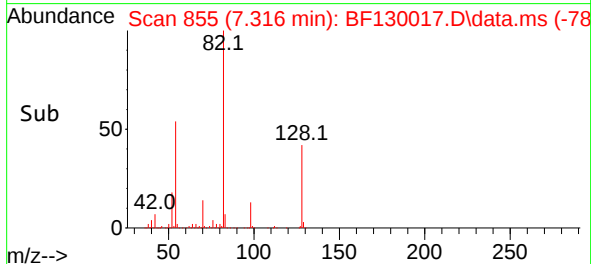
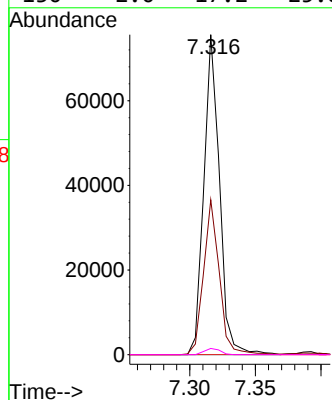
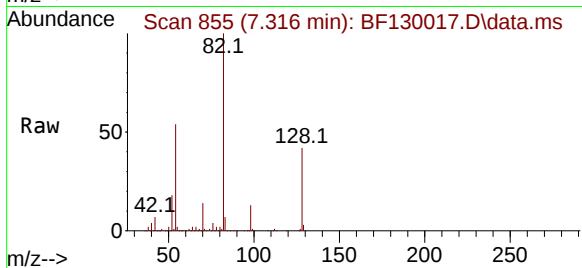
Ion Ratio Lower Upper

70 100

42 48.4 47.6 71.4

101 0.0 8.1 12.1#

130 2.0 17.2 25.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.028 min Scan# 976

Delta R.T. -0.012 min

Lab File: BF130017.D

Acq: 26 Aug 2022 13:55

Tgt Ion:136 Resp: 465853

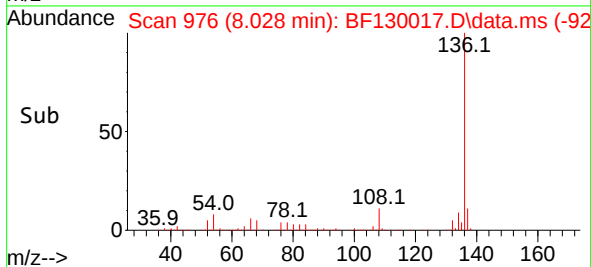
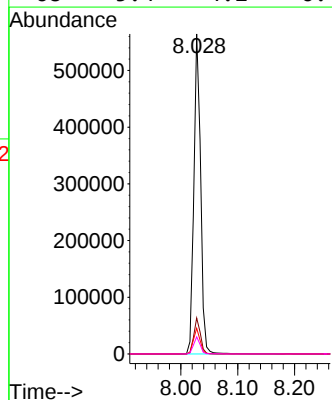
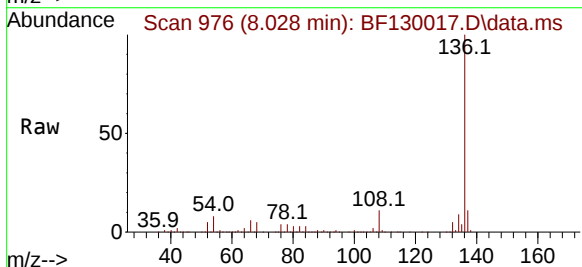
Ion Ratio Lower Upper

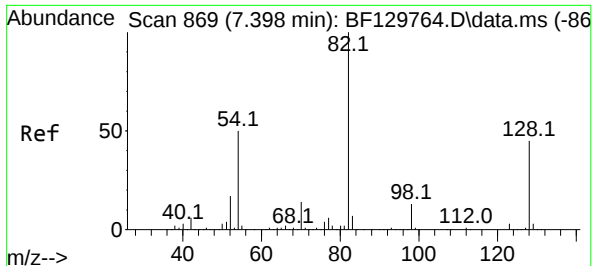
136 100

137 11.3 8.4 12.6

54 8.1 6.2 9.2

68 5.4 4.2 6.4

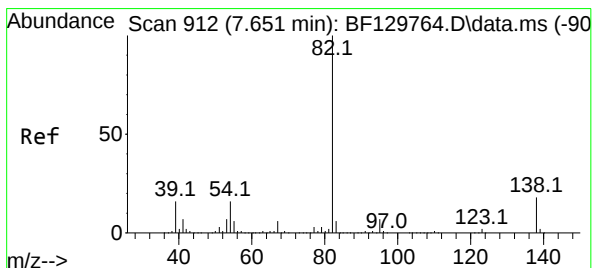
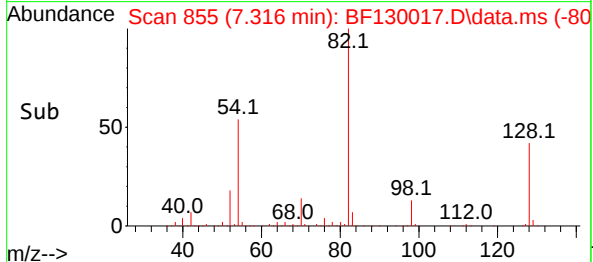
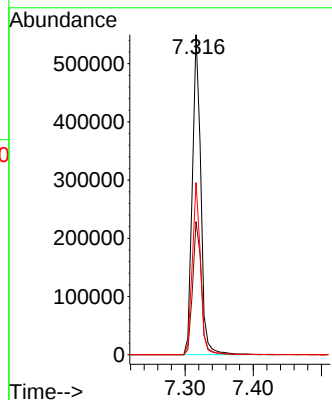
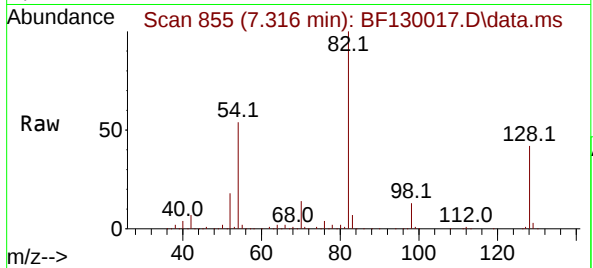




#23
Nitrobenzene-d5
Concen: 54.097 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.018 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

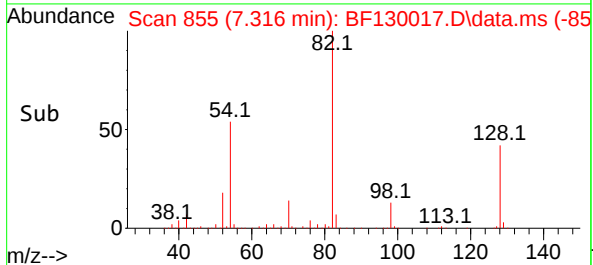
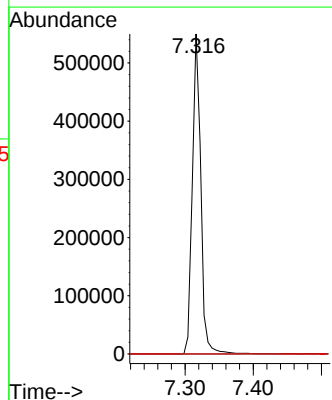
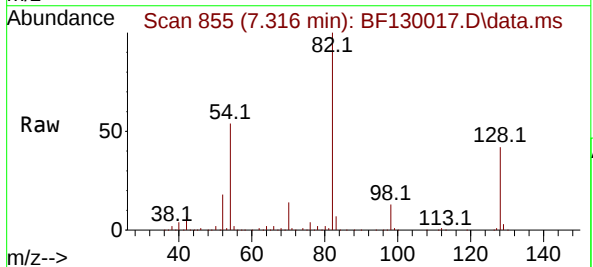
Instrument :
BNA_F
ClientSampleId :
B-4

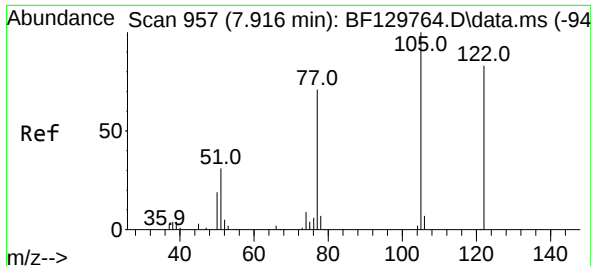
Tgt Ion: 82 Resp: 470769
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 53.8 40.0 60.0



#25
Isophorone
Concen: 31.431 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.271 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion: 82 Resp: 470769
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

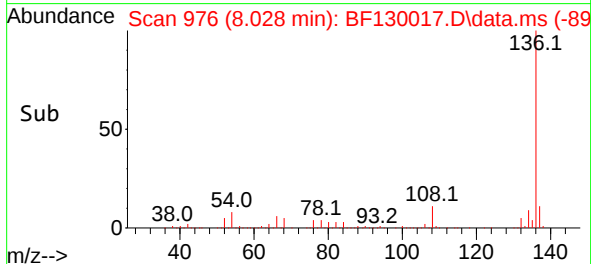
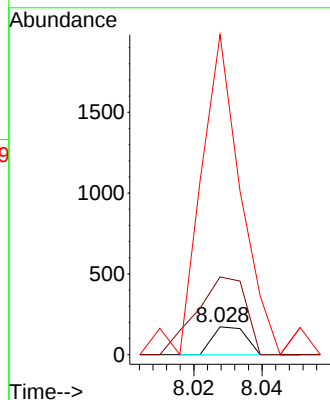
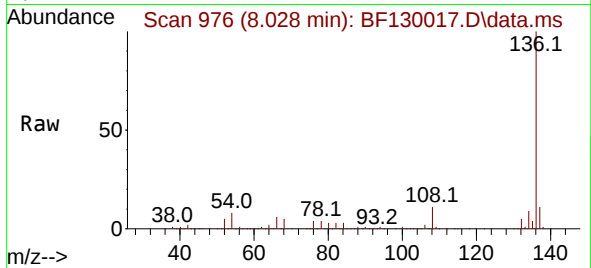




#32
Benzoic acid
Concen: 2.205 ng
RT: 8.028 min Scan# 91
Delta R.T. 0.165 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

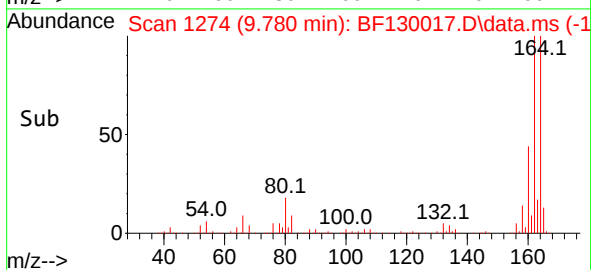
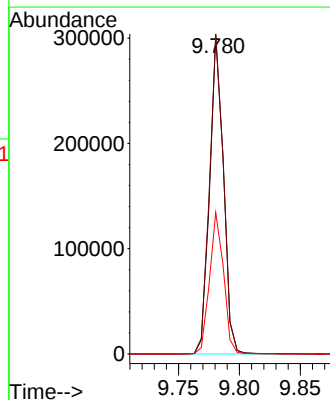
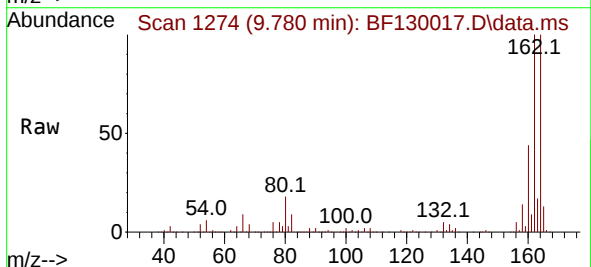
Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 278.0 99.9 139.9#
77 1144.5 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:164 Resp: 238038
Ion Ratio Lower Upper
164 100
162 100.5 82.0 123.0
160 44.4 35.4 53.0

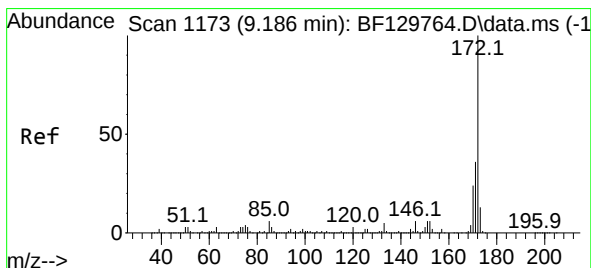
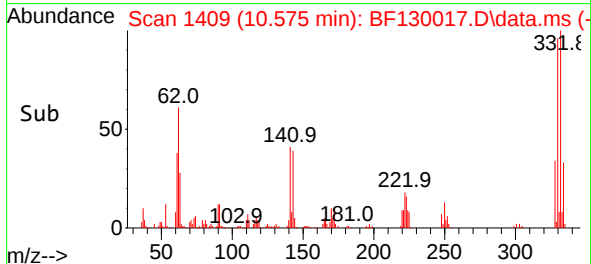
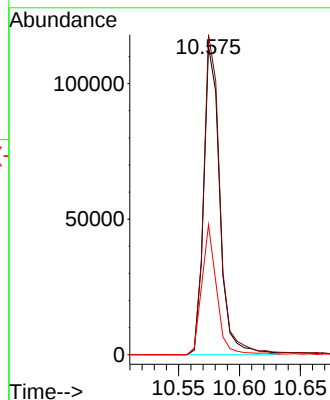
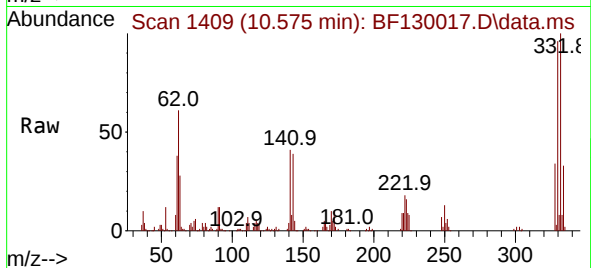




#42
2,4,6-Tribromophenol
Concen: 43.797 ng
RT: 10.575 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

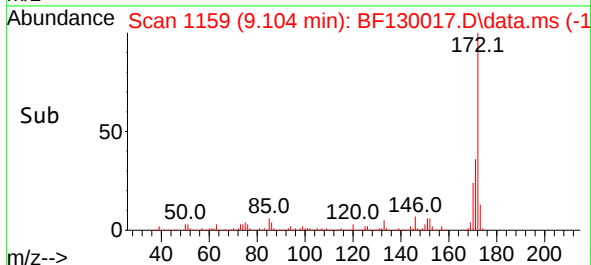
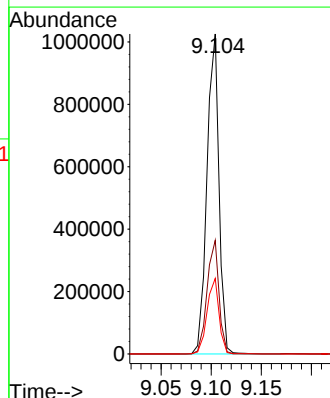
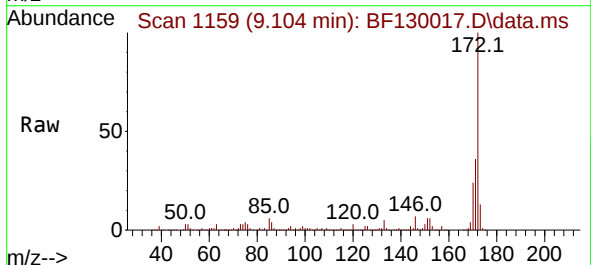
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ClientSampleId :
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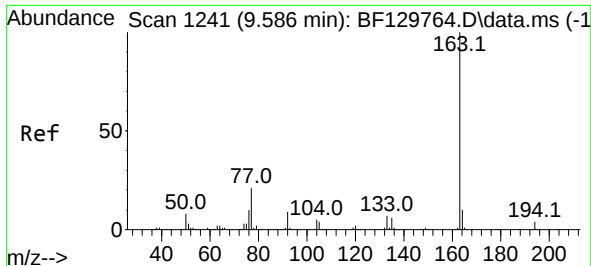
Tgt Ion:330 Resp: 104633
Ion Ratio Lower Upper
330 100
332 106.6 82.6 124.0
141 39.0 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 54.917 ng
RT: 9.104 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:172 Resp: 860695
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.6 19.1 28.7

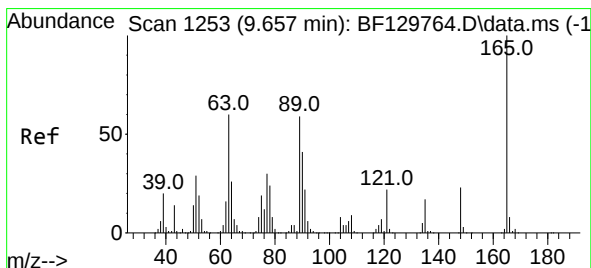
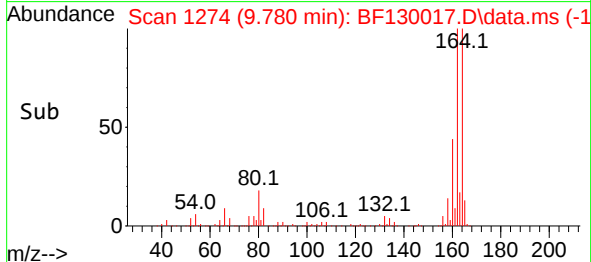
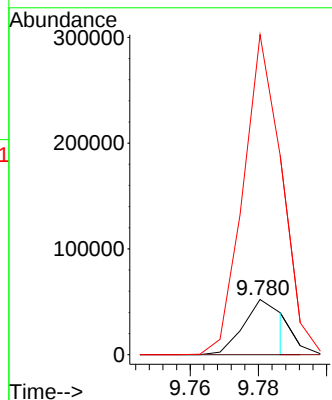
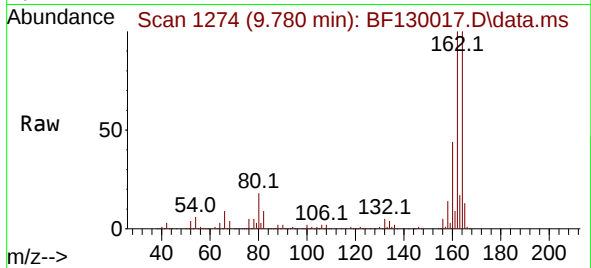




#50
Dimethylphthalate
Concen: 2.416 ng
RT: 9.780 min Scan# 1274
Delta R.T. 0.259 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

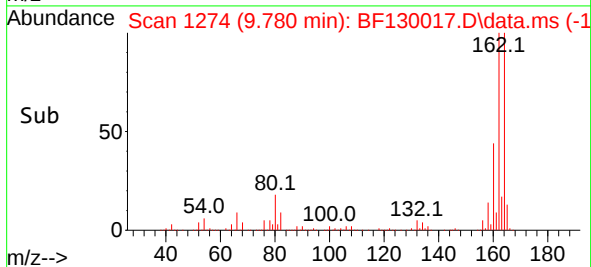
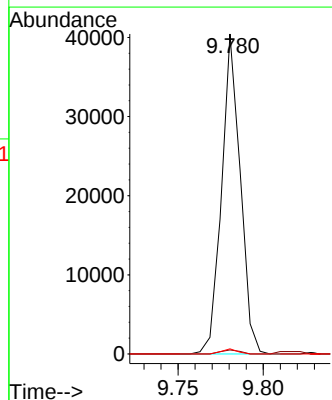
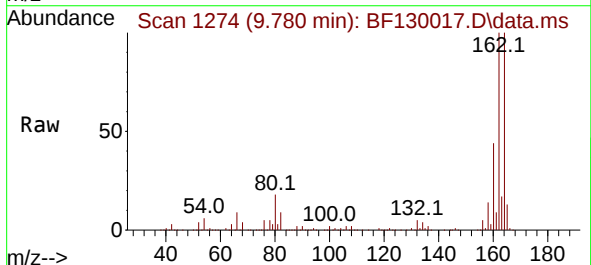
Instrument :
BNA_F
ClientSampleId :
B-4

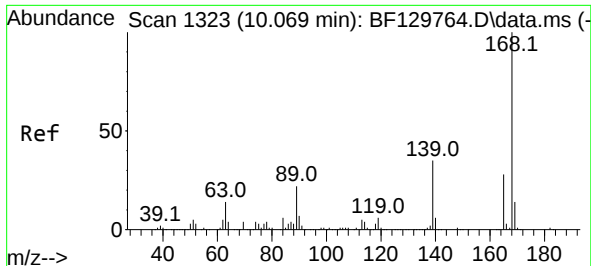
Tgt Ion:163 Resp: 41219
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 579.9 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.325 ng
RT: 9.780 min Scan# 1274
Delta R.T. 0.188 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:165 Resp: 30817
Ion Ratio Lower Upper
165 100
63 1.3 47.8 71.8#
89 1.6 47.2 70.8#

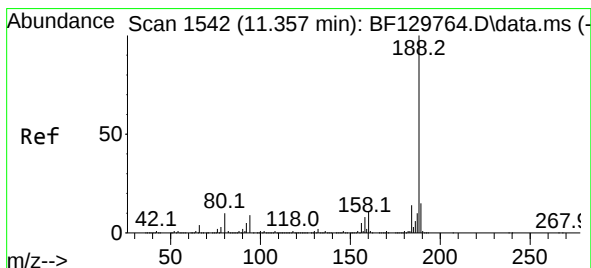
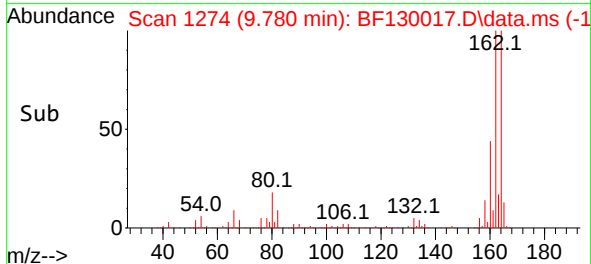
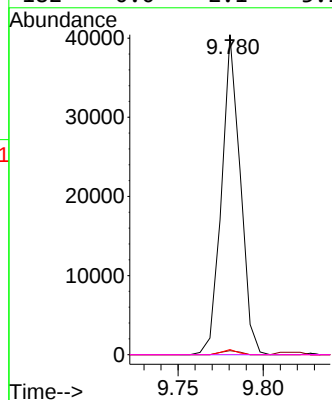
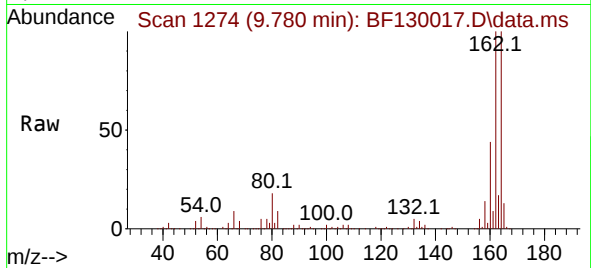




#57
2,4-Dinitrotoluene
Concen: 6.413 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

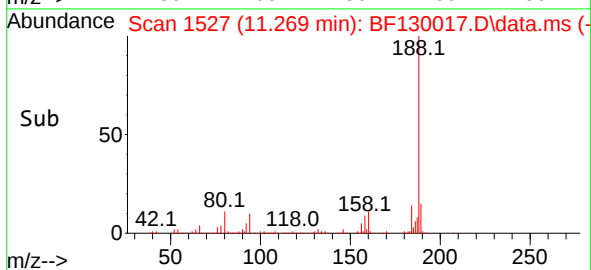
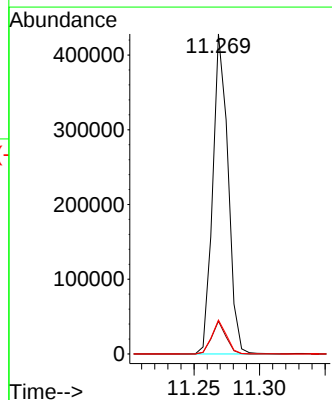
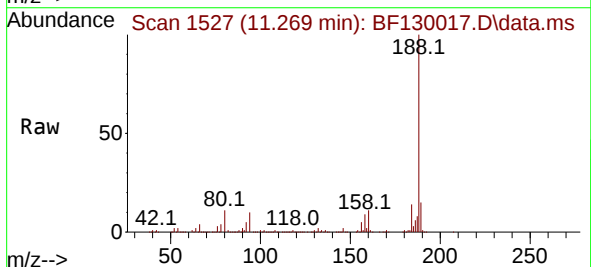
Instrument :
BNA_F
ClientSampleId :
B-4

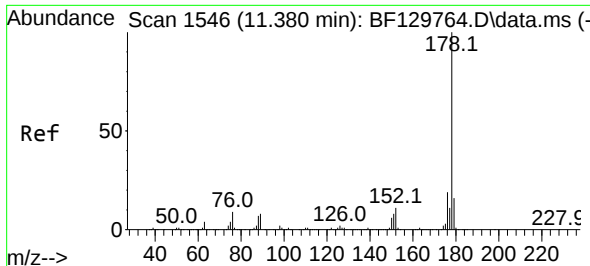
Tgt Ion:165 Resp: 30817
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.6 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:188 Resp: 347867
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 10.6 7.9 11.9

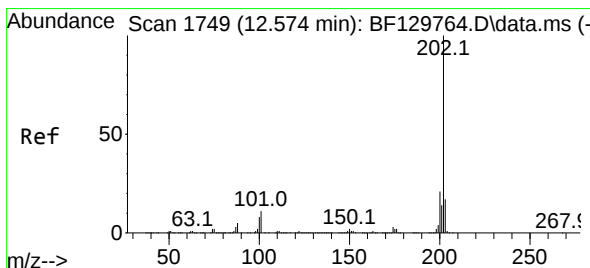
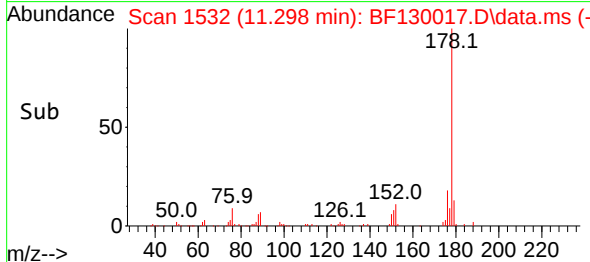
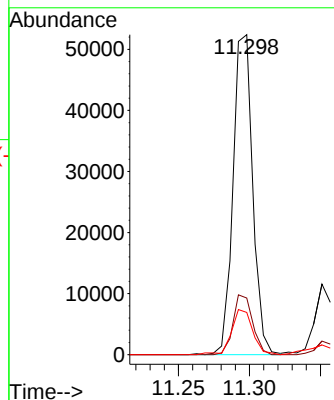
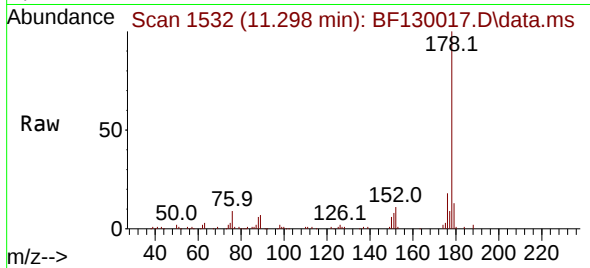




#71
Phenanthrene
Concen: 2.595 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

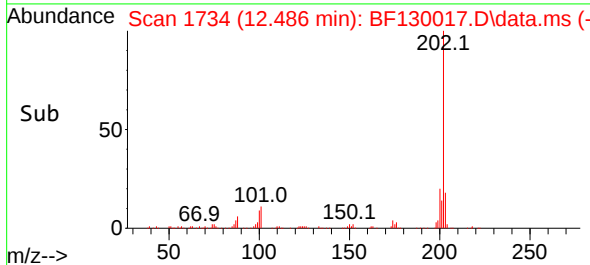
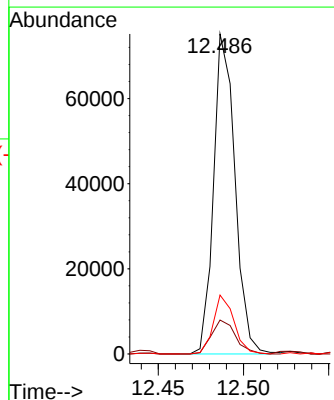
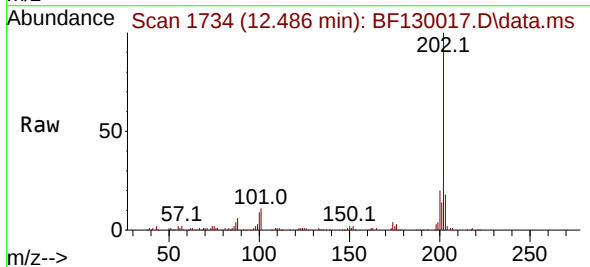
Instrument :
BNA_F
ClientSampleId :
B-4

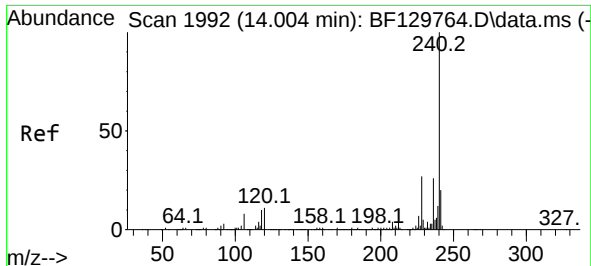
Tgt Ion:178 Resp: 50411
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 13.2 12.5 18.7



#75
Fluoranthene
Concen: 3.302 ng
RT: 12.486 min Scan# 1734
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:202 Resp: 65640
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 18.4 0.0 37.5

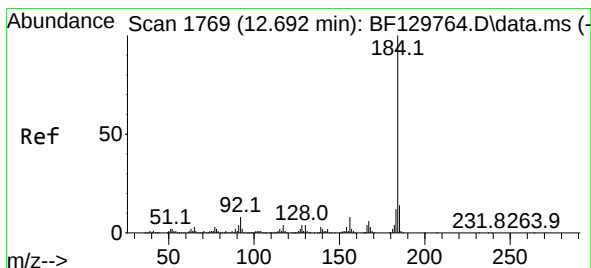
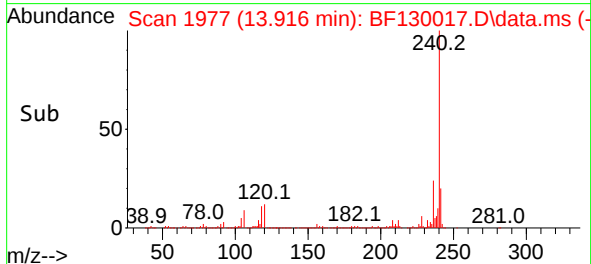
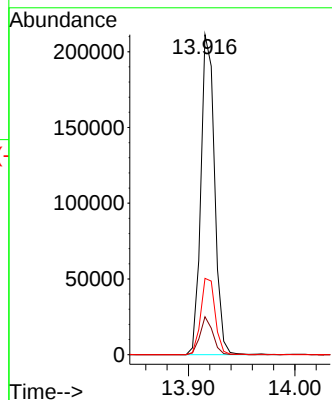
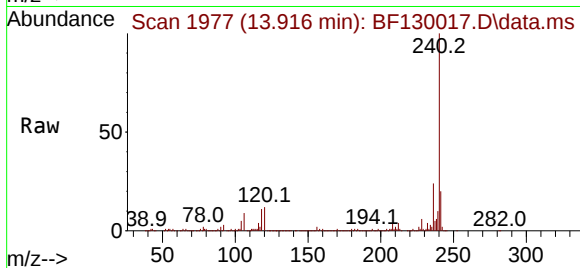




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

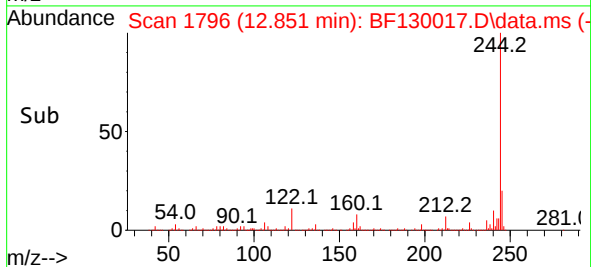
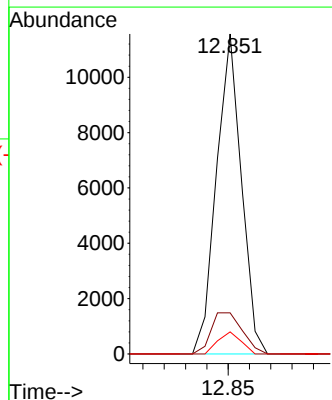
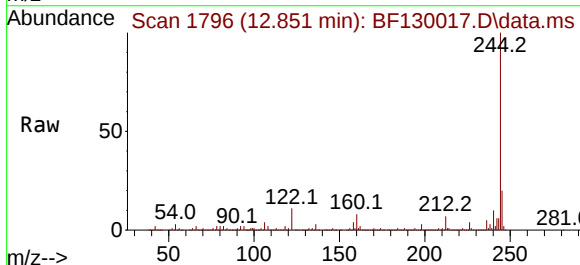
Instrument :
BNA_F
ClientSampleId :
B-4

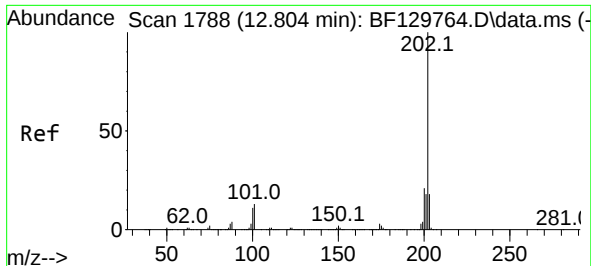
Tgt Ion:240 Resp: 189771
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 23.9 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.851 min Scan# 1796
Delta R.T. 0.229 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:184 Resp: 9379
Ion Ratio Lower Upper
184 100
185 12.8 11.4 17.2
183 6.9 9.4 14.2#

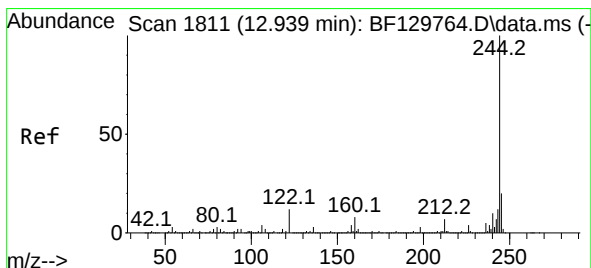
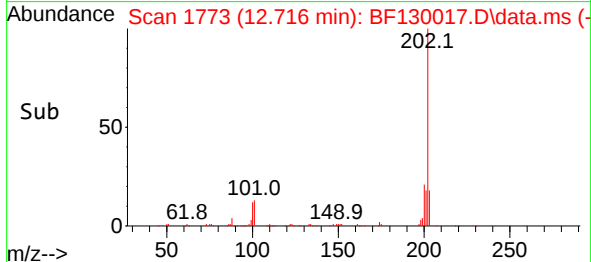
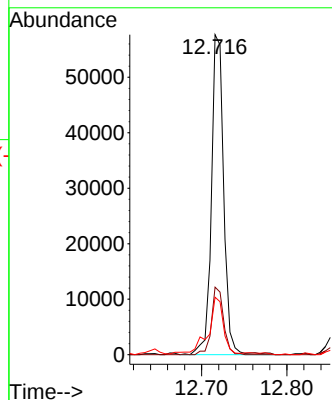
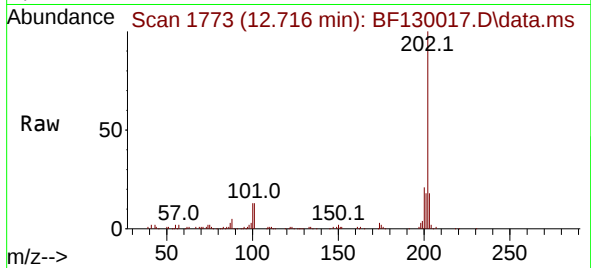




#78
Pyrene
Concen: 3.510 ng
RT: 12.716 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

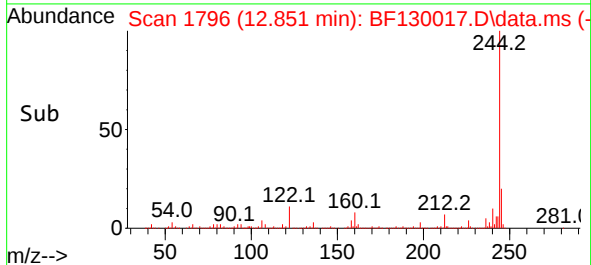
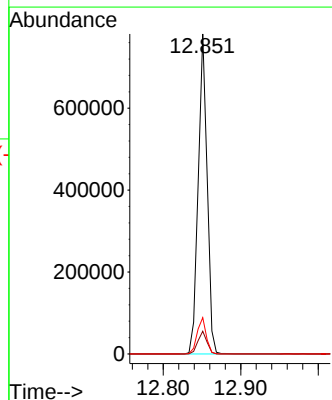
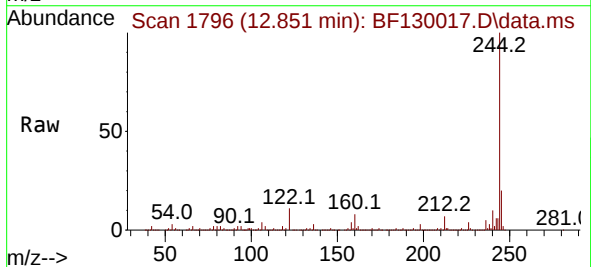
Instrument :
BNA_F
ClientSampleId :
B-4

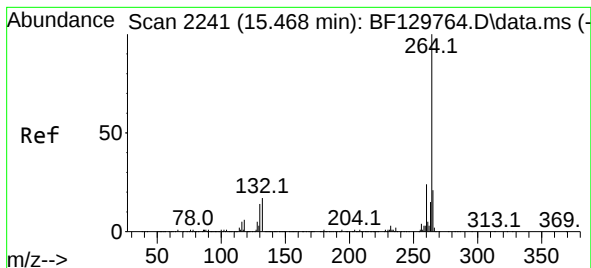
Tgt Ion:202 Resp: 57884
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 18.0 14.1 21.1



#79
Terphenyl-d14
Concen: 54.837 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:244 Resp: 625409
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 11.3 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130017.D

Acq: 26 Aug 2022 13:55

Instrument :

BNA_F

ClientSampleId :

B-4

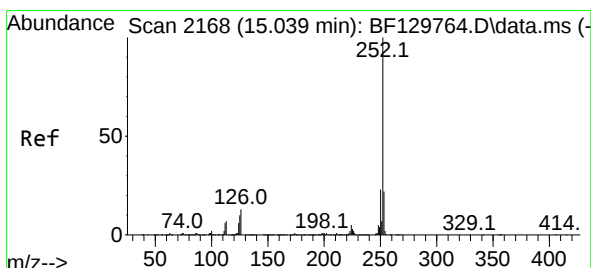
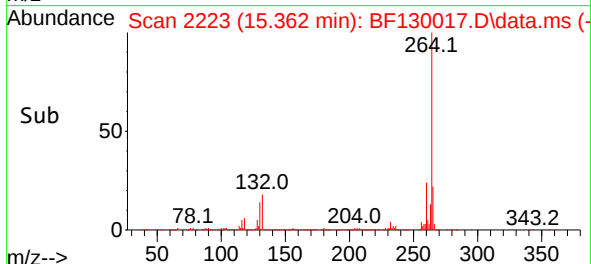
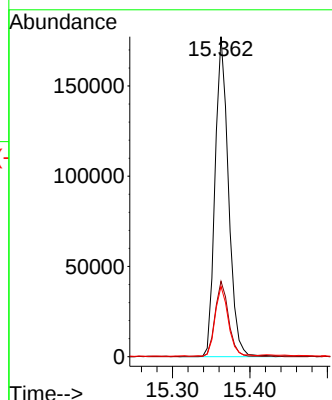
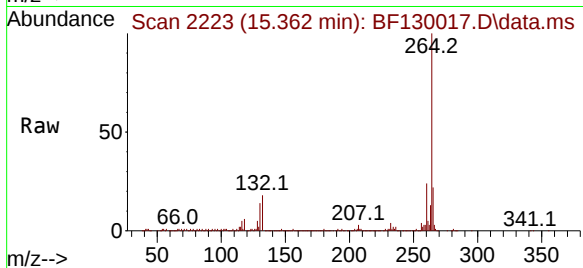
Tgt Ion:264 Resp: 213791

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.9 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 3.710 ng

RT: 14.951 min Scan# 2153

Delta R.T. -0.000 min

Lab File: BF130017.D

Acq: 26 Aug 2022 13:55

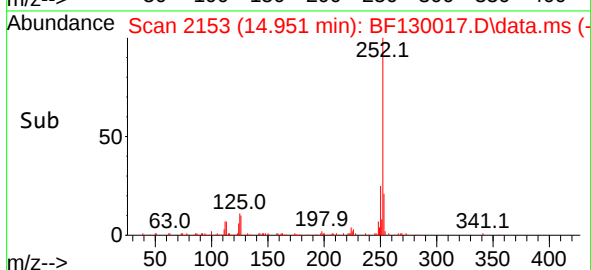
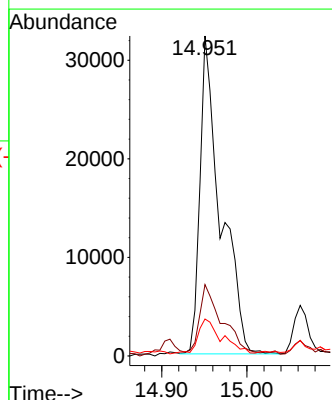
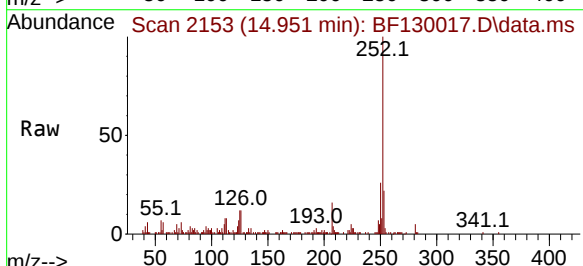
Tgt Ion:252 Resp: 54310

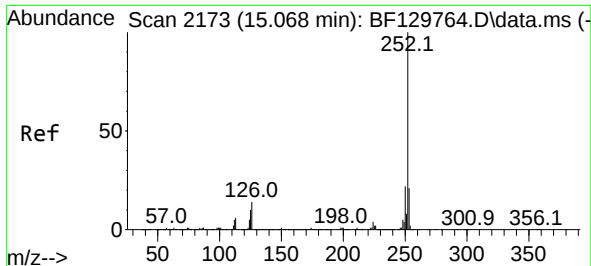
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 11.5 8.3 12.5

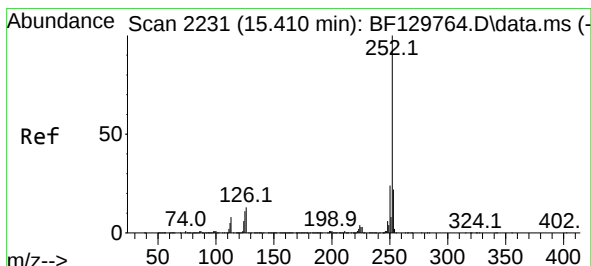
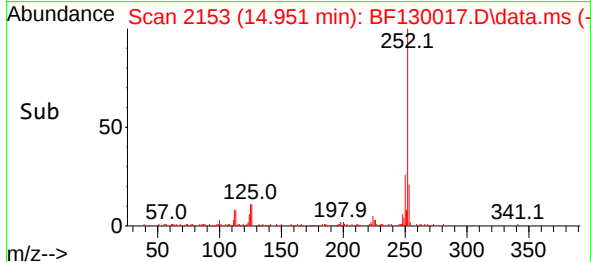
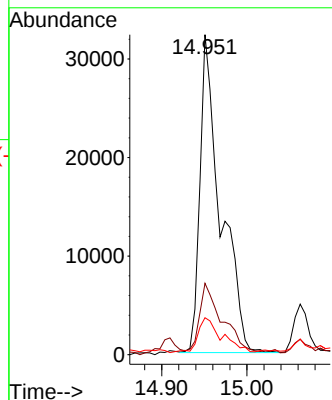
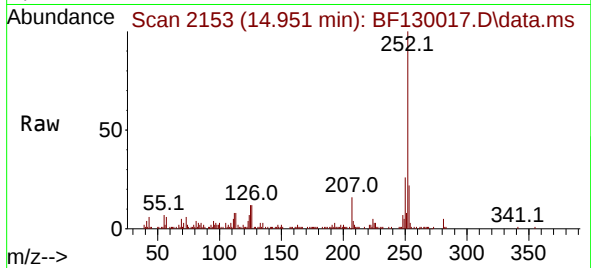




#89
Benzo(k)fluoranthene
Concen: 3.868 ng
RT: 14.951 min Scan# 2173
Delta R.T. -0.029 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:252 Resp: 54310
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 2.445 ng
RT: 15.310 min Scan# 2214
Delta R.T. -0.000 min
Lab File: BF130017.D
Acq: 26 Aug 2022 13:55

Tgt Ion:252 Resp: 28189
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 13.6 8.8 13.2#

