

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128028.D
 Acq On : 02 May 2022 16:15
 Operator : CG\JU
 Sample : N2637-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-8

Quant Time: May 02 18:33:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

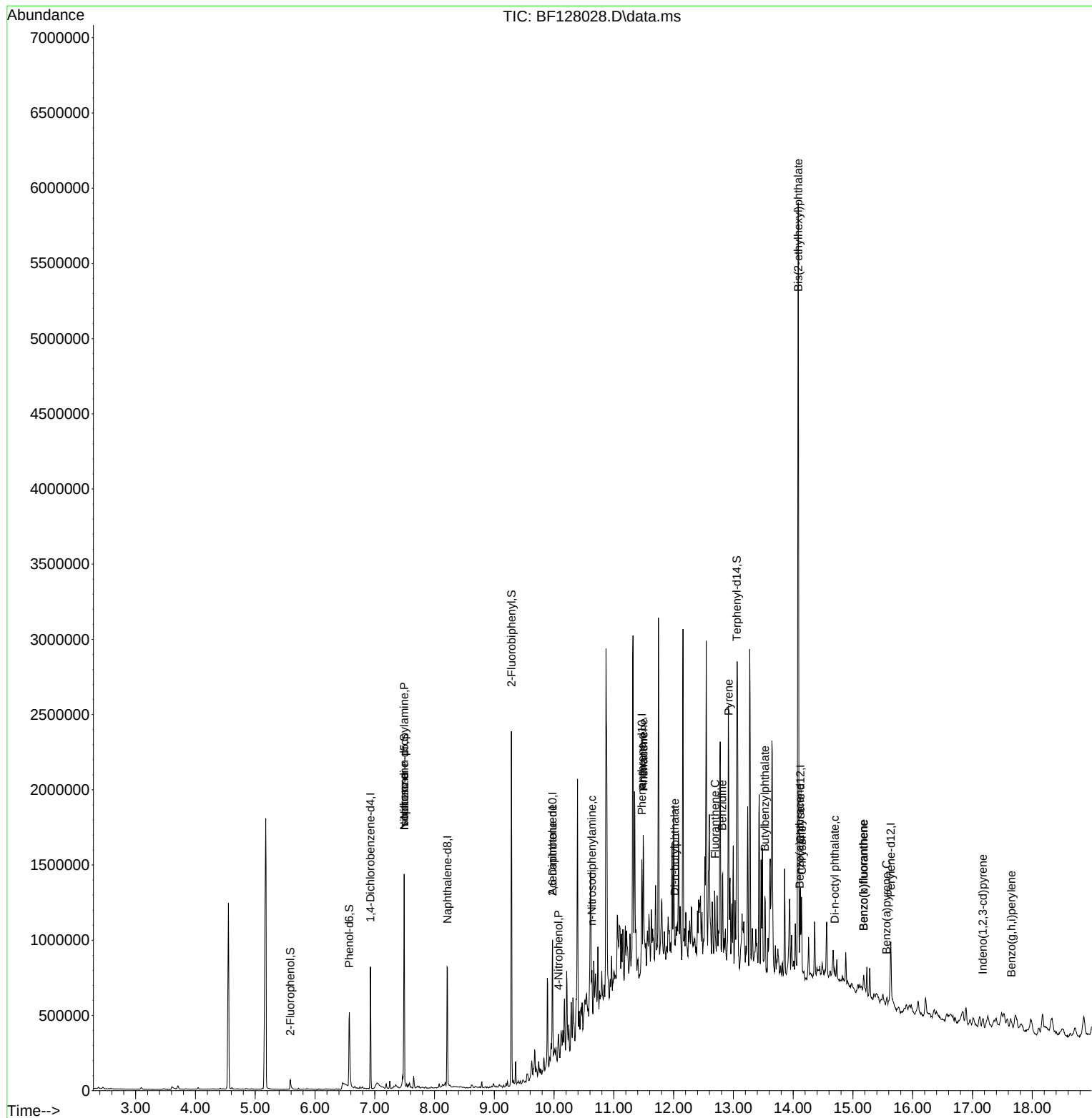
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	98265	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	347199	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	166525	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	246028	20.000	ng	0.00
76) Chrysene-d12	14.121	240	194984	20.000	ng	0.00
86) Perylene-d12	15.633	264	149027	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	23887	3.872	ng	0.04
7) Phenol-d6	6.575	99	211720	26.448	ng	0.01
23) Nitrobenzene-d5	7.492	82	418658	56.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	1120	0.668	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	657375	66.783	ng	0.00
79) Terphenyl-d14	13.057	244	565542	53.037	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.492	70	57886	11.813	ng	# 79
25) Isophorone	7.492	82	417147	33.568	ng	# 68
51) 2,6-Dinitrotoluene	9.975	165	29400	12.159	ng	# 24
56) 4-Nitrophenol	10.074	139	5223	2.547	ng	# 54
66) n-Nitrosodiphenylamine	10.633	169	37360	4.880	ng	# 49
71) Phenanthrene	11.492	178	270375	20.994	ng	98
72) Anthracene	11.492	178	270375	21.076	ng	98
74) Di-n-butylphthalate	12.021	149	56393	4.056	ng	# 96
75) Fluoranthene	12.692	202	120487	8.889	ng	97
77) Benzidine	12.815	184	13367	3.623	ng	# 62
78) Pyrene	12.921	202	138984	8.830	ng	96
80) Butylbenzylphthalate	13.527	149	36011	5.837	ng	95
81) Benzo(a)anthracene	14.110	228	46753	3.597	ng	# 92
83) Chrysene	14.145	228	55863	4.501	ng	96
84) Bis(2-ethylhexyl)phtha...	14.086	149	1432870	175.138	ng	100
85) Di-n-octyl phthalate	14.698	149	39274	3.098	ng	# 74
87) Indeno(1,2,3-cd)pyrene	17.174	276	20139	2.025	ng	# 93
88) Benzo(b)fluoranthene	15.180	252	79071	8.448	ng	# 85
89) Benzo(k)fluoranthene	15.180	252	79071	8.385	ng	# 84
90) Benzo(a)pyrene	15.562	252	23950	3.085	ng	# 71
92) Benzo(g,h,i)perylene	17.650	276	17552	2.088	ng	# 86

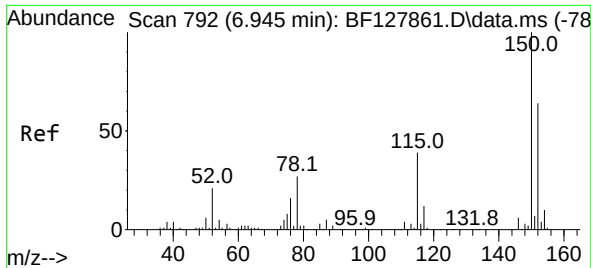
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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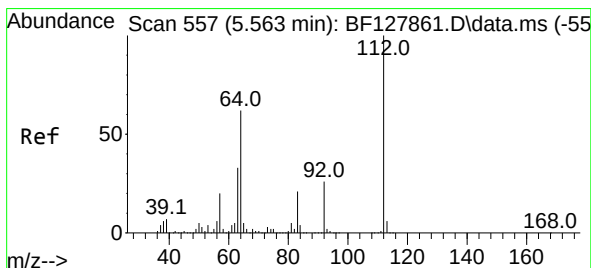
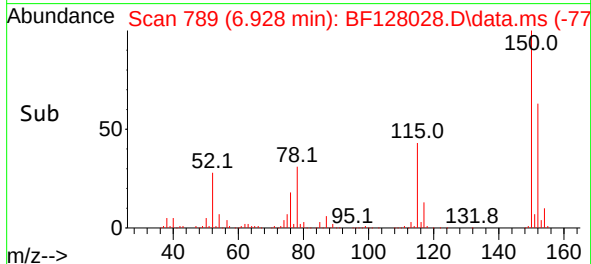
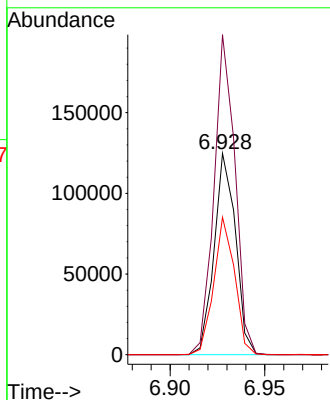
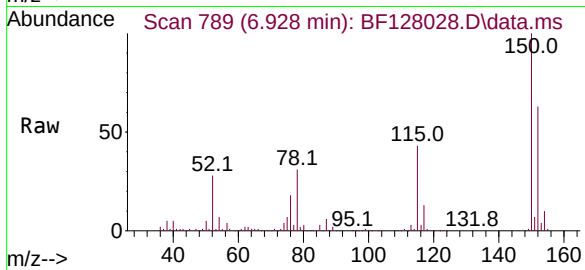




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128028.D
 Acq: 02 May 2022 16:15

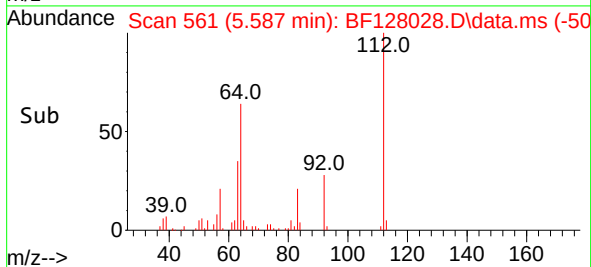
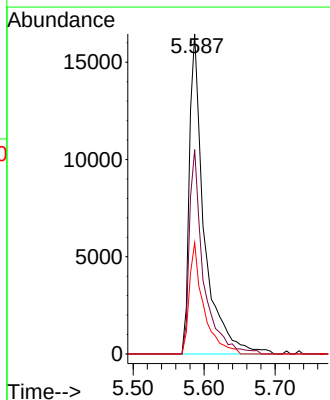
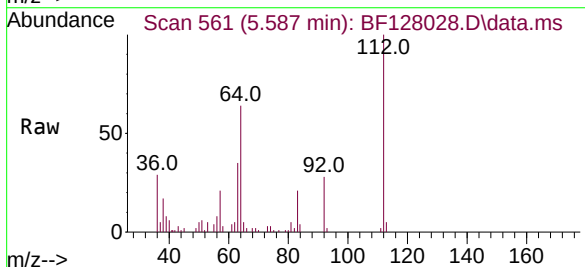
Instrument :
 BNA_F
 ClientSampleId :
 DS-8

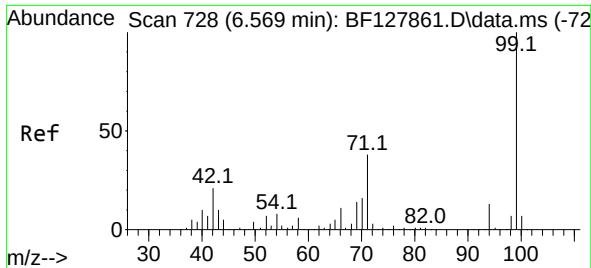
Tgt Ion:152 Resp: 98265
 Ion Ratio Lower Upper
 152 100
 150 159.0 125.3 187.9
 115 68.3 48.8 73.2



#5
 2-Fluorophenol
 Concen: 3.872 ng
 RT: 5.587 min Scan# 561
 Delta R.T. 0.035 min
 Lab File: BF128028.D
 Acq: 02 May 2022 16:15

Tgt Ion:112 Resp: 23887
 Ion Ratio Lower Upper
 112 100
 64 63.9 49.5 74.3
 63 34.7 26.3 39.5

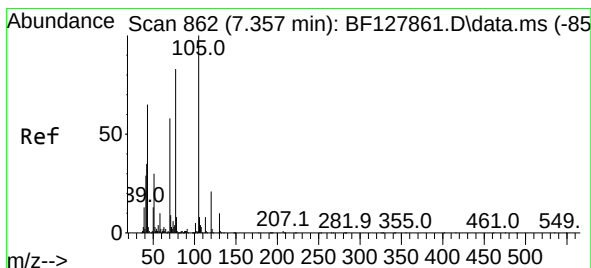
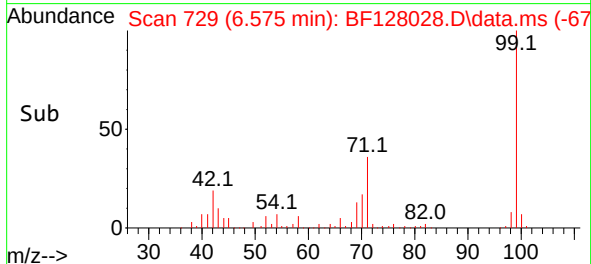
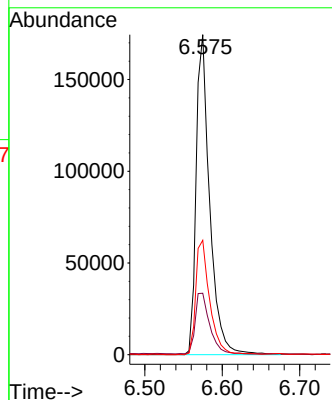
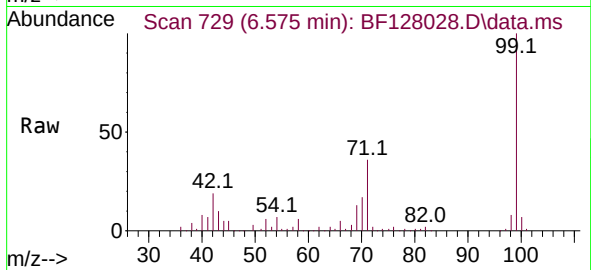




#7
Phenol-d6
Concen: 26.448 ng
RT: 6.575 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

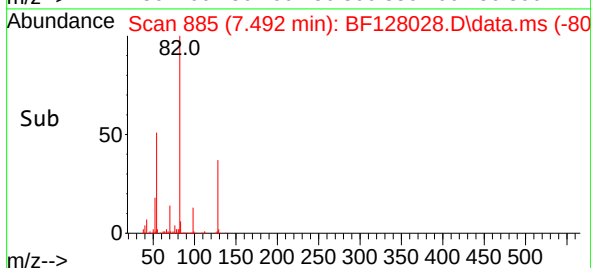
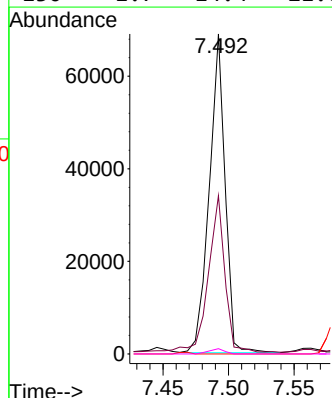
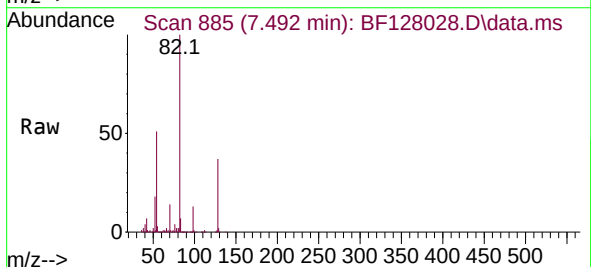
Instrument :
BNA_F
ClientSampleId :
DS-8

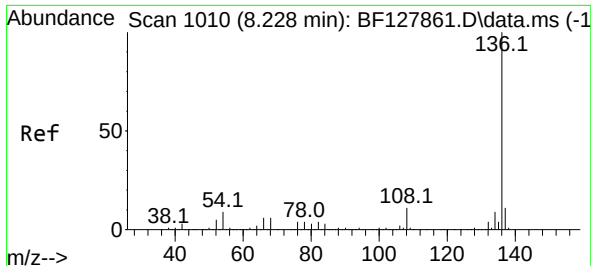
Tgt Ion: 99 Resp: 211720
Ion Ratio Lower Upper
99 100
42 19.2 16.6 24.8
71 35.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.813 ng
RT: 7.492 min Scan# 885
Delta R.T. 0.147 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion: 70 Resp: 57886
Ion Ratio Lower Upper
70 100
42 49.5 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

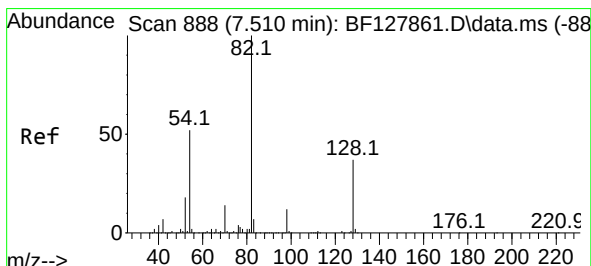
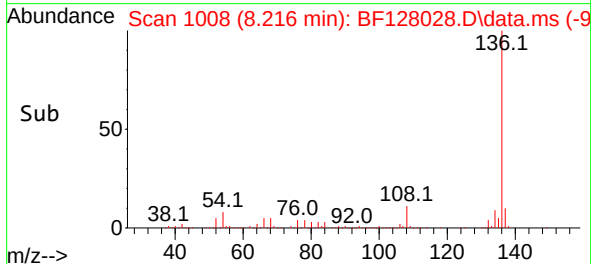
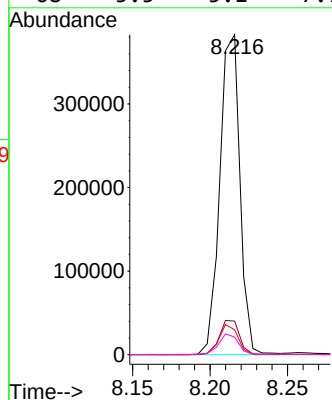
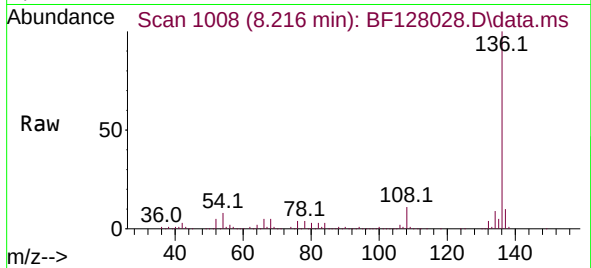




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

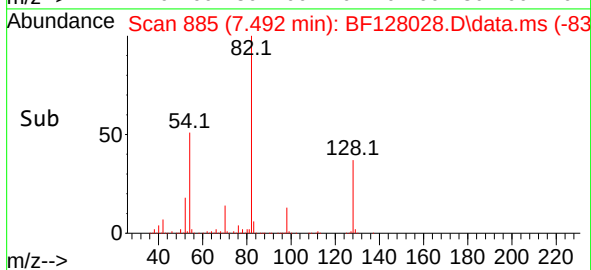
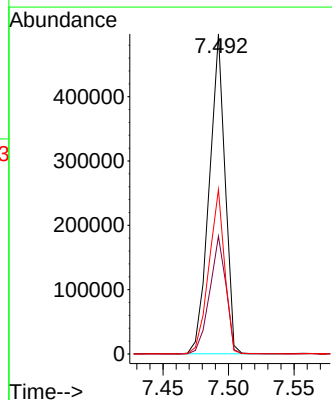
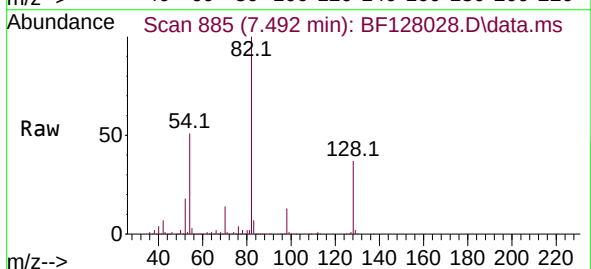
Instrument :
BNA_F
ClientSampleId :
DS-8

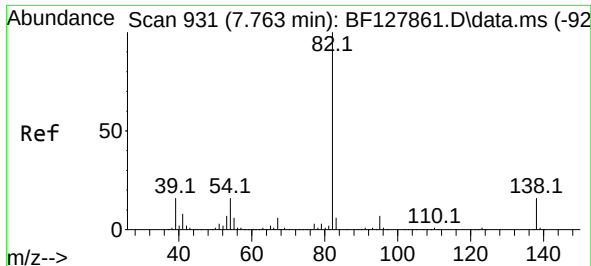
Tgt Ion:136	Resp:	347199
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.6 13.0
54	7.8	6.8 10.2
68	5.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 56.702 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion: 82	Resp:	418658
Ion	Ratio	Lower Upper
82	100	
128	36.8	30.0 45.0
54	51.4	41.3 61.9

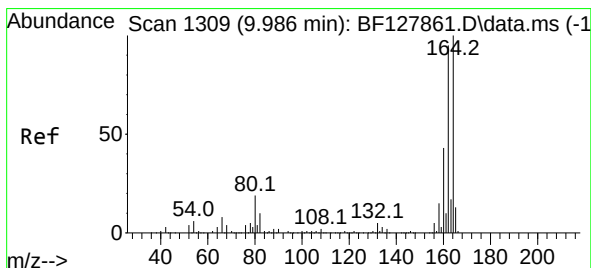
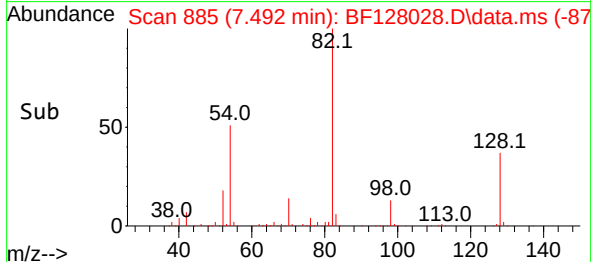
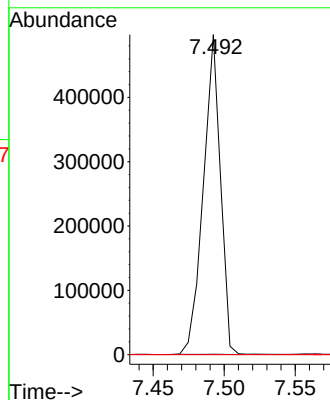
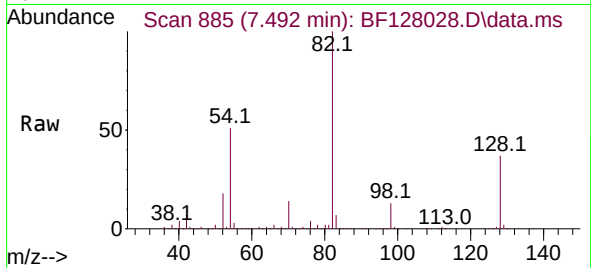




#25
Isophorone
Concen: 33.568 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

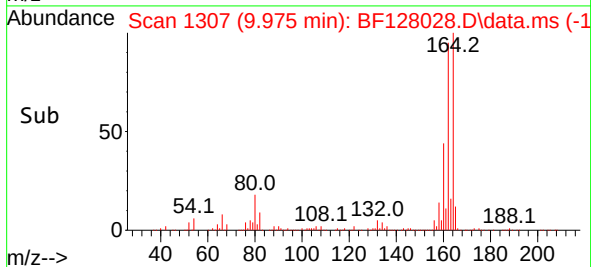
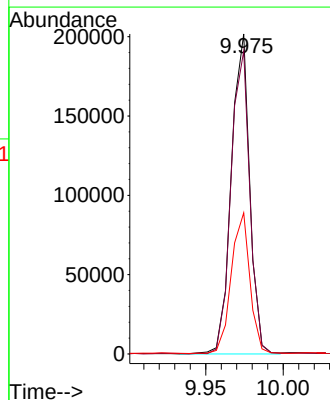
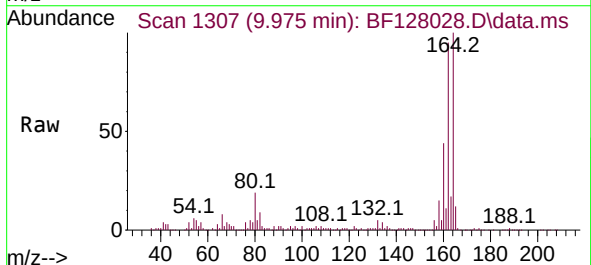
Instrument :
BNA_F
ClientSampleId :
DS-8

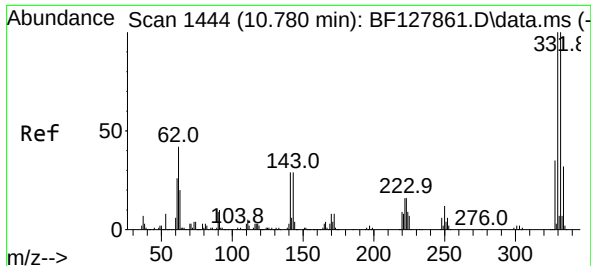
Tgt Ion: 82 Resp: 417147
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:164 Resp: 166525
Ion Ratio Lower Upper
164 100
162 94.7 76.0 114.0
160 44.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 0.668 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.000 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8

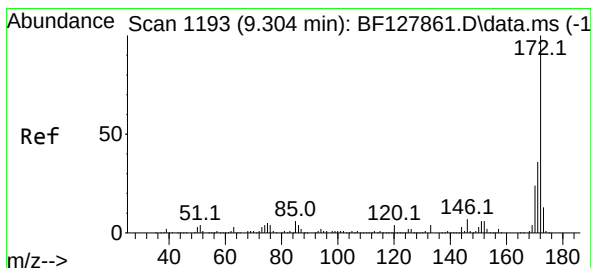
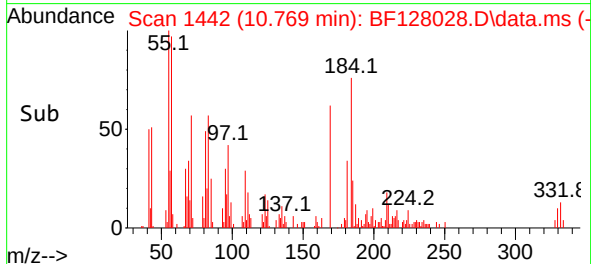
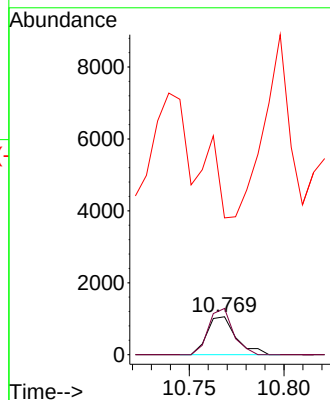
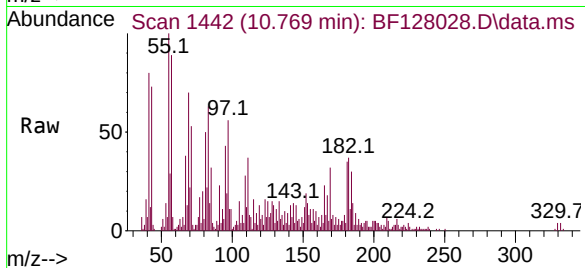
Tgt Ion:330 Resp: 1120

Ion Ratio Lower Upper

330 100

332 104.2 79.0 118.4

141 0.0 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 66.783 ng

RT: 9.286 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

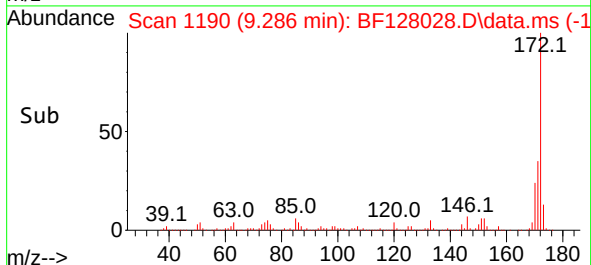
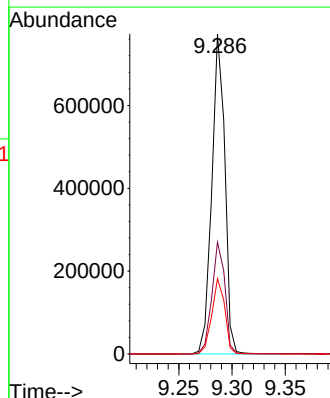
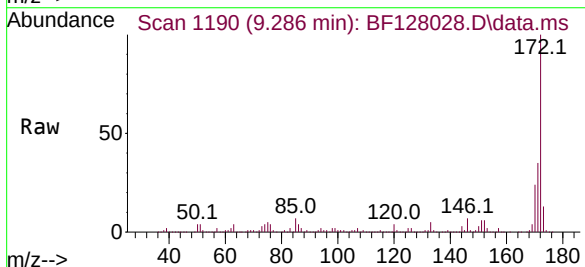
Tgt Ion:172 Resp: 657375

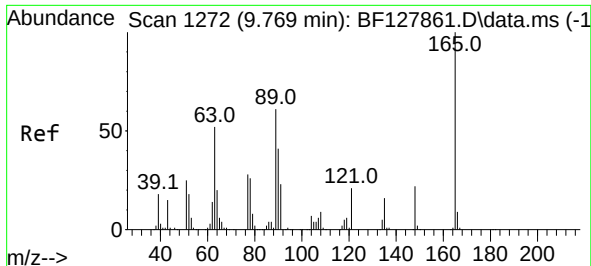
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.5 19.1 28.7

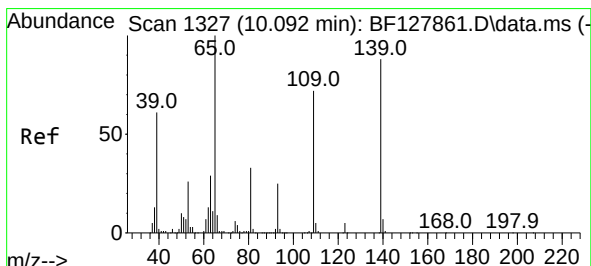
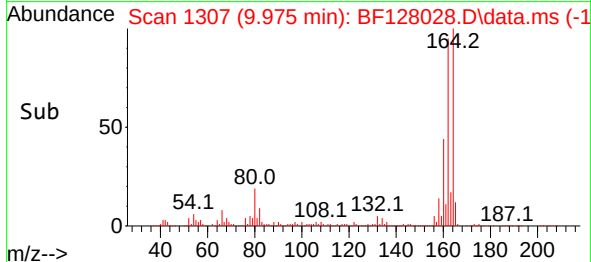
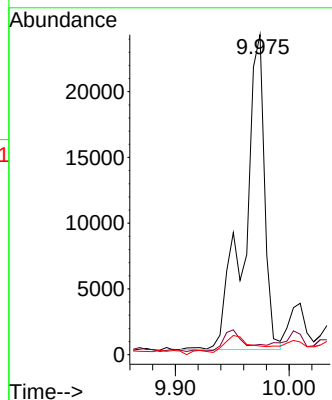
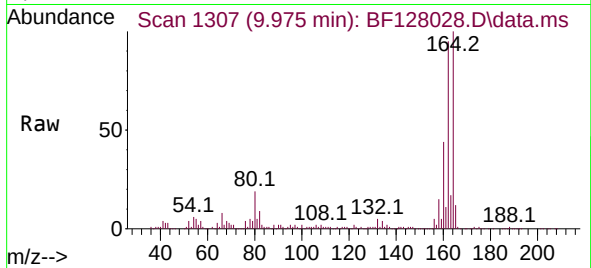




#51
2,6-Dinitrotoluene
Concen: 12.159 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

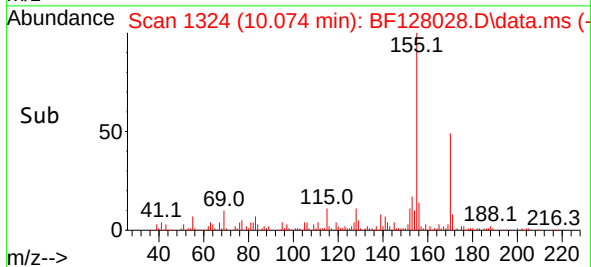
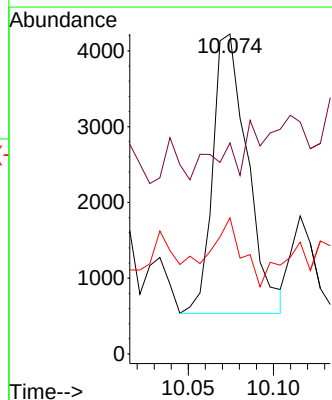
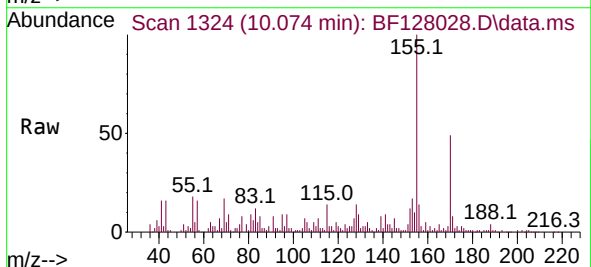
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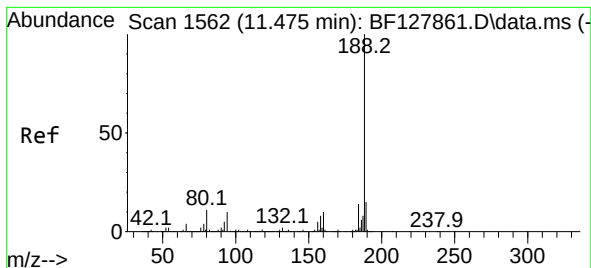
Tgt Ion:165 Resp: 29400
Ion Ratio Lower Upper
165 100
63 3.2 49.5 74.3#
89 2.7 49.0 73.4#



#56
4-Nitrophenol
Concen: 2.547 ng
RT: 10.074 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:139 Resp: 5223
Ion Ratio Lower Upper
139 100
109 65.9 61.9 101.9
65 42.5 93.5 133.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8

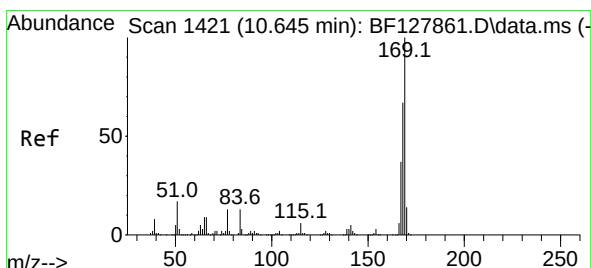
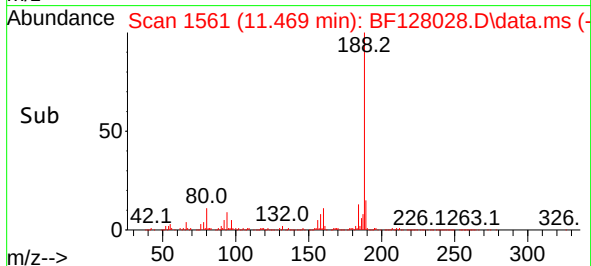
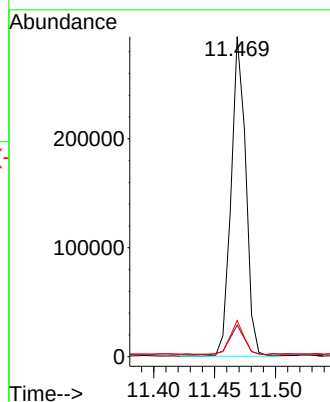
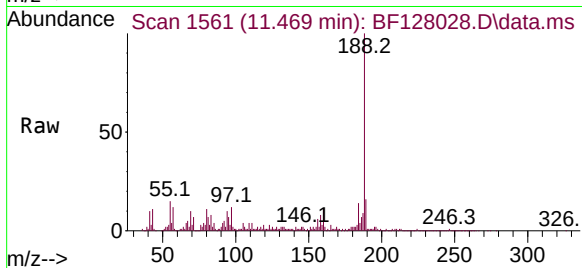
Tgt Ion:188 Resp: 246028

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

80 11.3 8.9 13.3



#66

n-Nitrosodiphenylamine

Concen: 4.880 ng

RT: 10.633 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

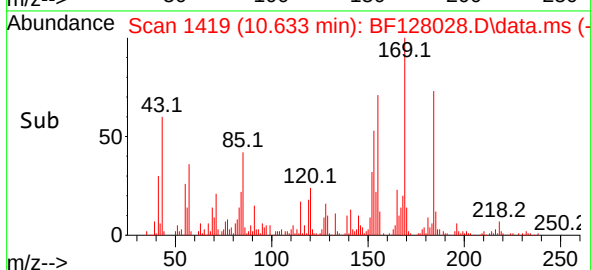
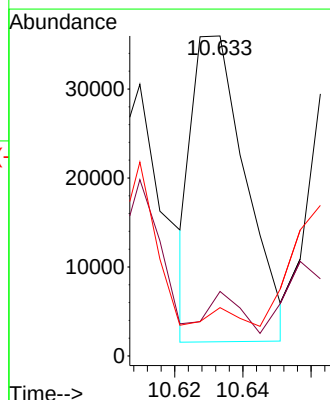
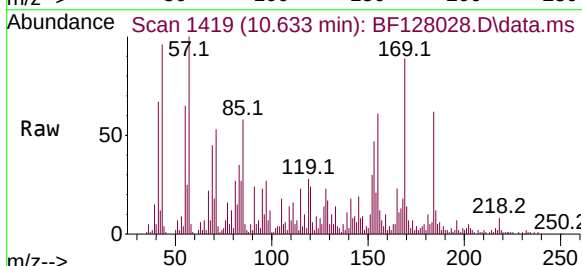
Tgt Ion:169 Resp: 37360

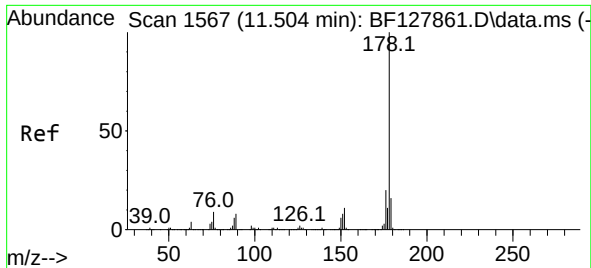
Ion Ratio Lower Upper

169 100

168 20.1 53.8 80.6#

167 15.1 29.5 44.3#

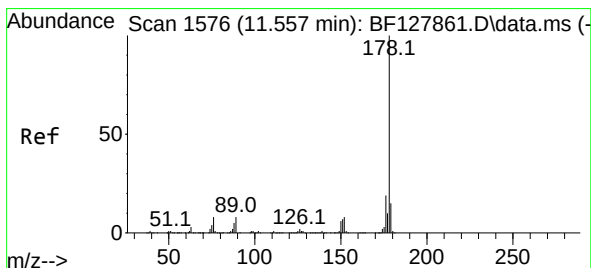
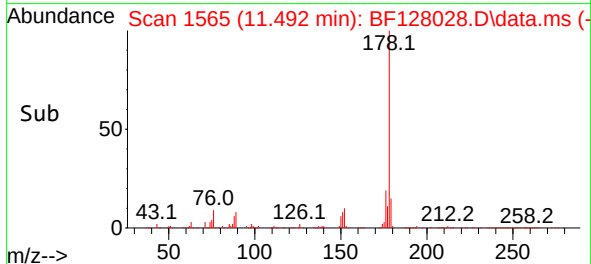
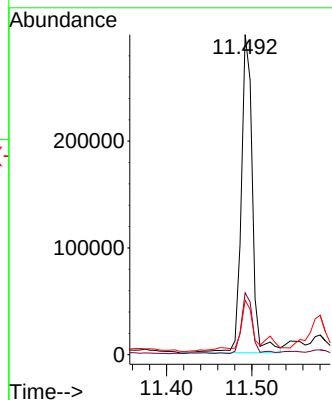
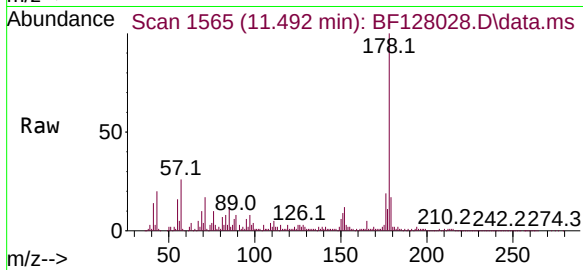




#71
Phenanthrene
Concen: 20.994 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

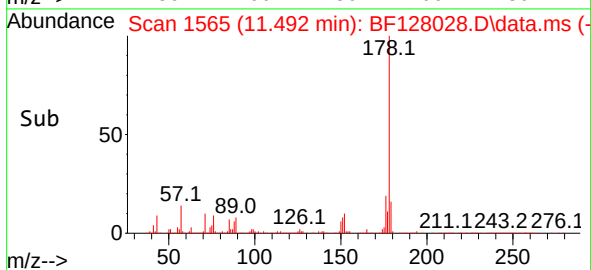
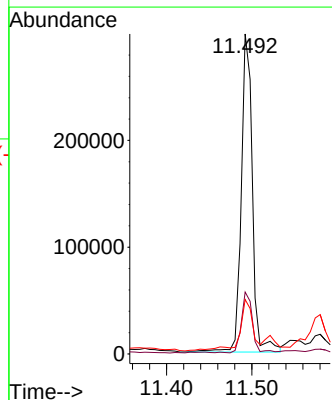
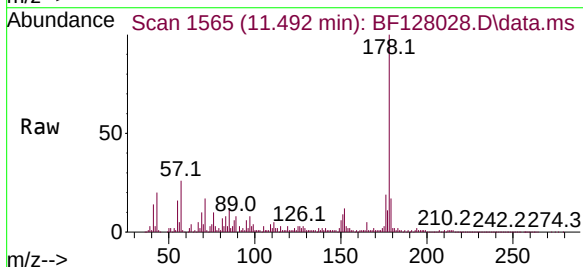
Instrument :
BNA_F
ClientSampleId :
DS-8

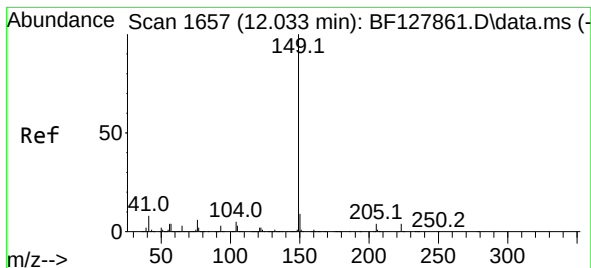
Tgt Ion:178 Resp: 270375
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 17.0 12.6 19.0



#72
Anthracene
Concen: 21.076 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.053 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:178 Resp: 270375
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 17.0 12.4 18.6





#74

Di-n-butylphthalate

Concen: 4.056 ng

RT: 12.021 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8

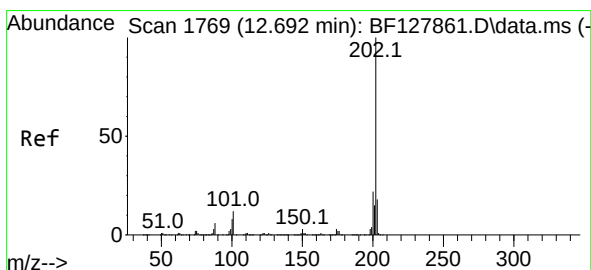
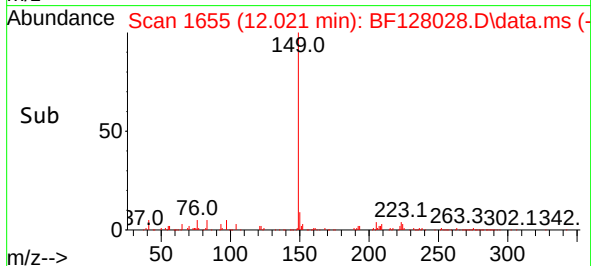
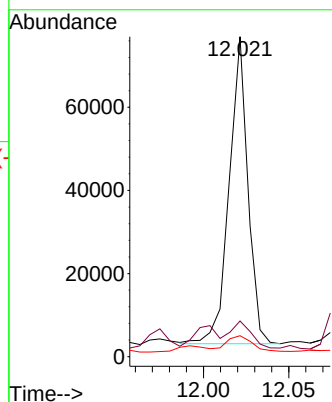
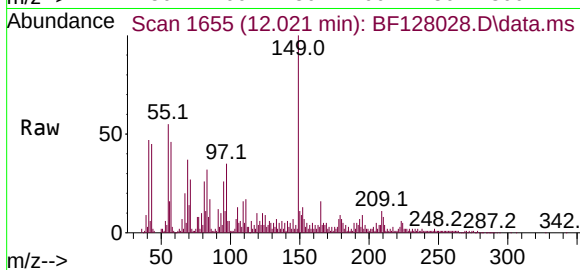
Tgt Ion:149 Resp: 56393

Ion Ratio Lower Upper

149 100

150 11.2 7.5 11.3

104 6.5 4.3 6.5#



#75

Fluoranthene

Concen: 8.889 ng

RT: 12.692 min Scan# 1769

Delta R.T. 0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

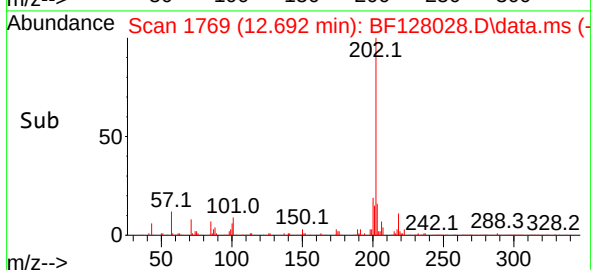
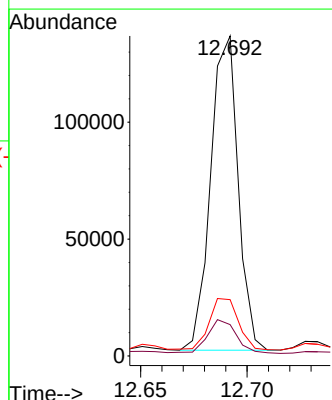
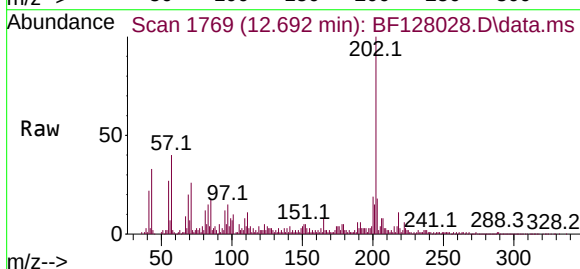
Tgt Ion:202 Resp: 120487

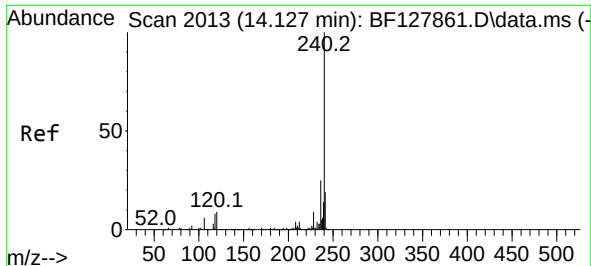
Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.6

203 17.6 0.0 38.1

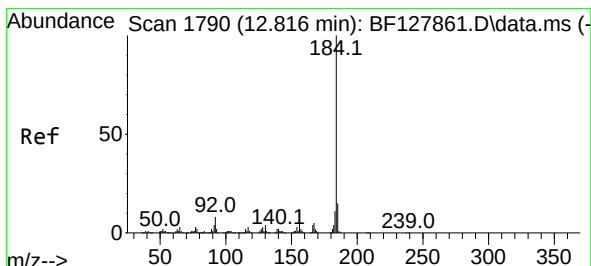
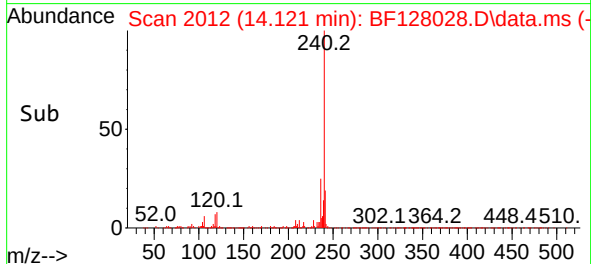
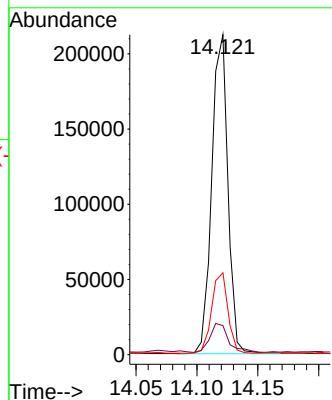
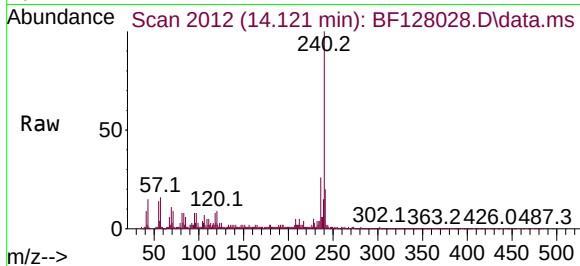




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

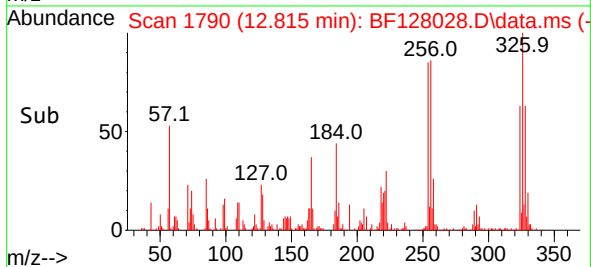
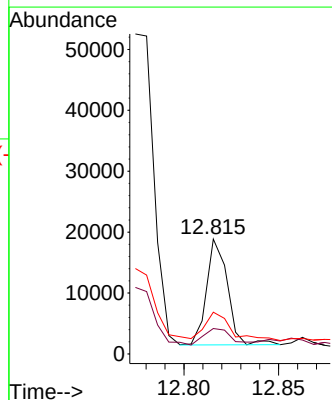
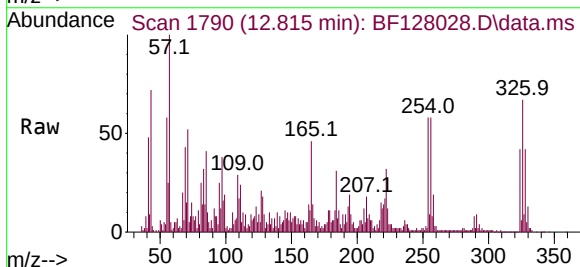
Instrument :
BNA_F
ClientSampleId :
DS-8

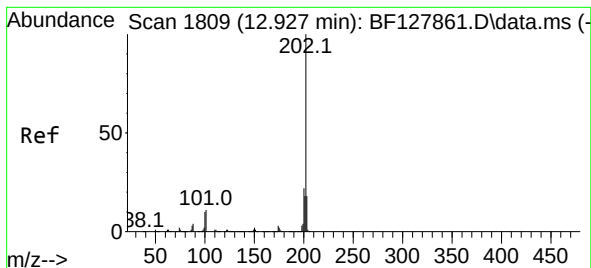
Tgt Ion:240 Resp: 194984
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.6 20.3 30.5



#77
Benzidine
Concen: 3.623 ng
RT: 12.815 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:184 Resp: 13367
Ion Ratio Lower Upper
184 100
185 22.2 12.1 18.1#
183 36.3 9.0 13.4#





#78

Pyrene

Concen: 8.830 ng

RT: 12.921 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8

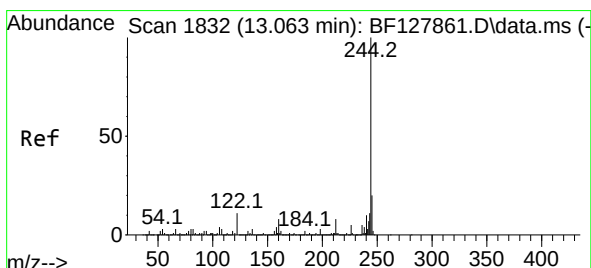
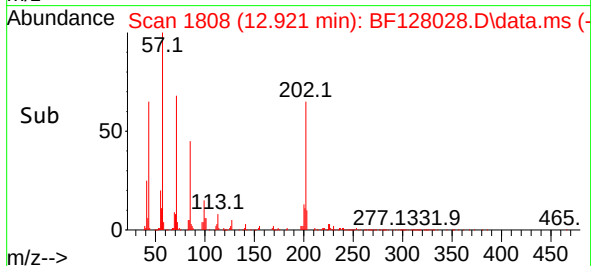
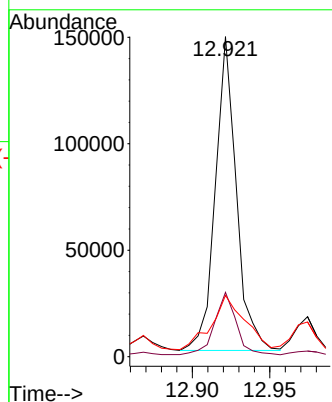
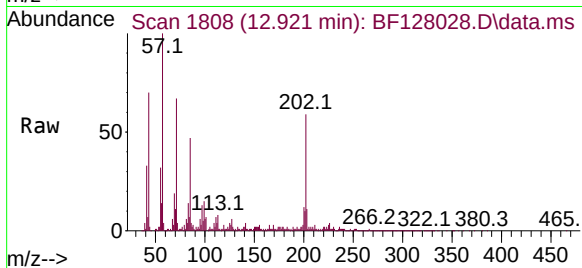
Tgt Ion:202 Resp: 138984

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

203 19.2 14.0 21.0



#79

Terphenyl-d14

Concen: 53.037 ng

RT: 13.057 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

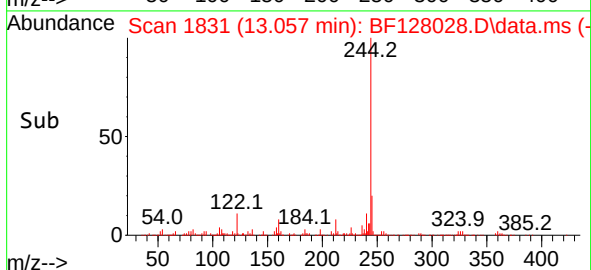
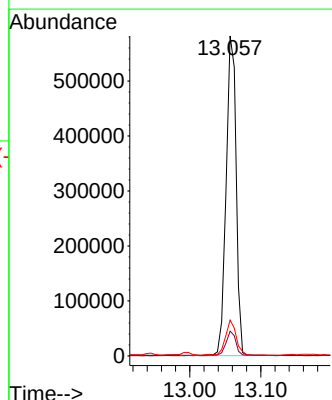
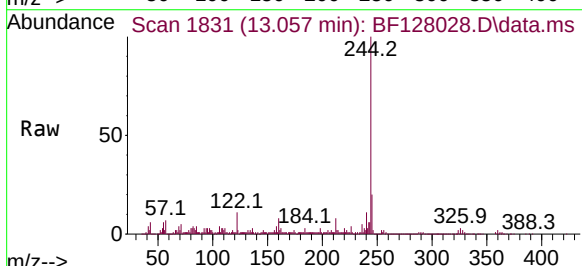
Tgt Ion:244 Resp: 565542

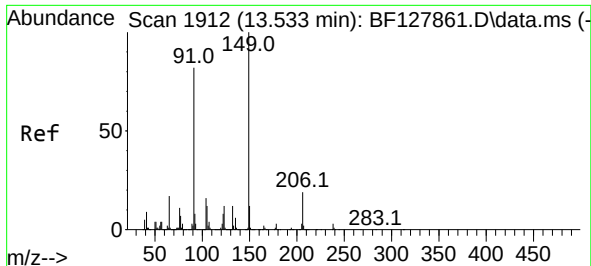
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

122 11.2 8.6 12.8

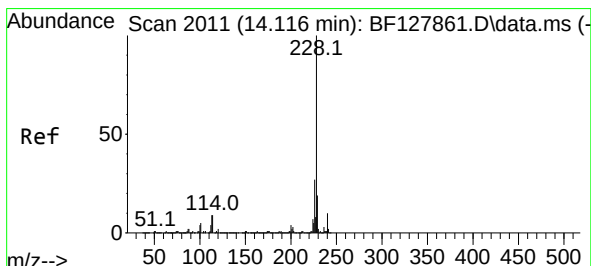
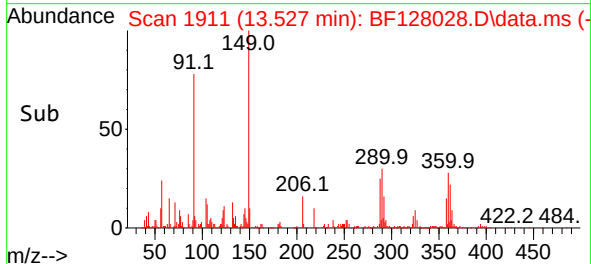
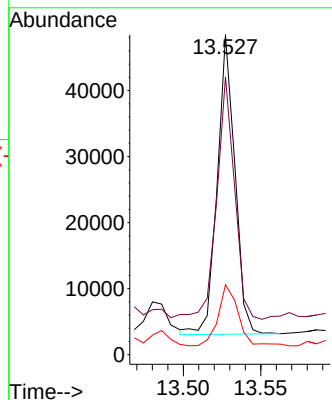
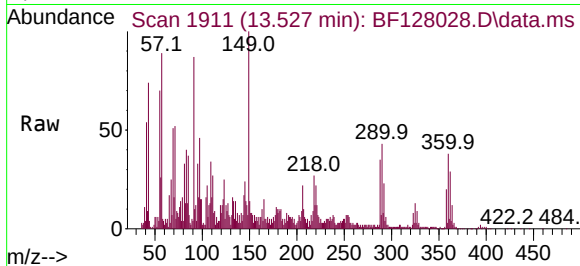




#80
Butylbenzylphthalate
Concen: 5.837 ng
RT: 13.527 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

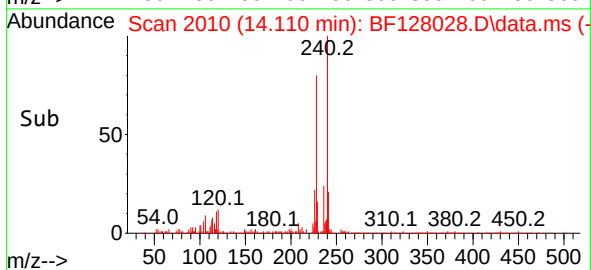
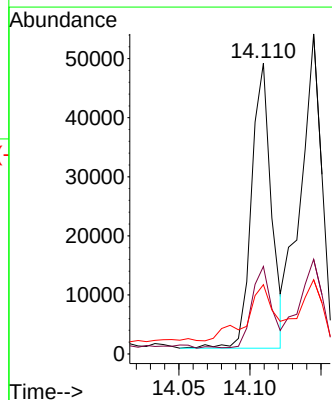
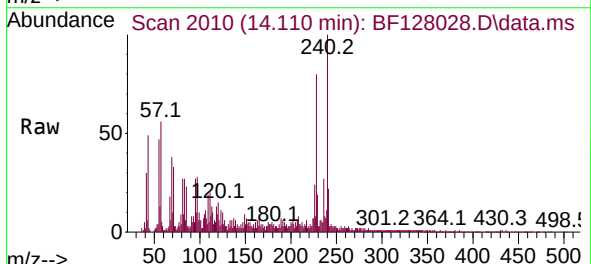
Instrument :
BNA_F
ClientSampleId :
DS-8

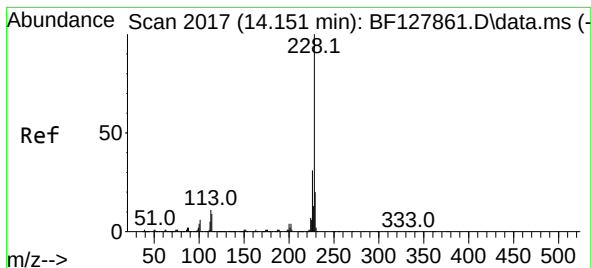
Tgt Ion:	149	Resp:	36011
Ion Ratio	Lower	Upper	
149	100		
91	86.9	65.8	98.6
206	21.8	15.4	23.2



#81
Benzo(a)anthracene
Concen: 3.597 ng
RT: 14.110 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:	228	Resp:	46753
Ion Ratio	Lower	Upper	
228	100		
226	30.1	21.7	32.5
229	23.9	15.4	23.2





#83

Chrysene

Concen: 4.501 ng

RT: 14.145 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8

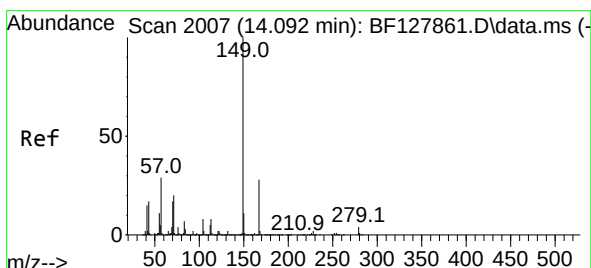
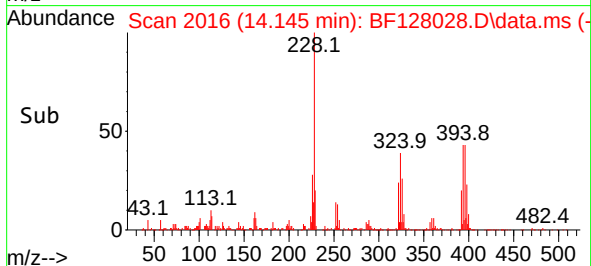
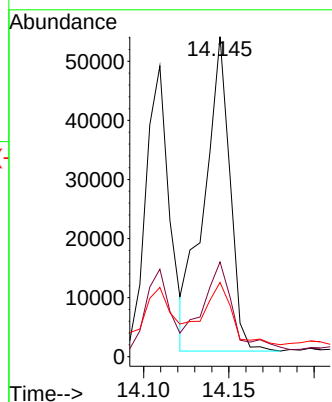
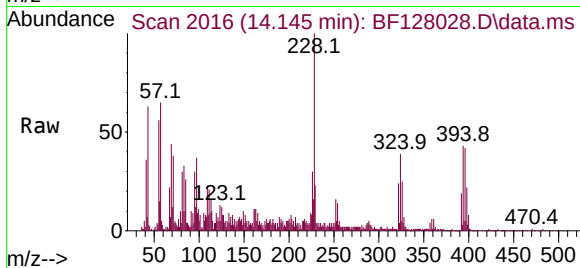
Tgt Ion:228 Resp: 55863

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 23.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 175.138 ng

RT: 14.086 min Scan# 2006

Delta R.T. 0.006 min

Lab File: BF128028.D

Acq: 02 May 2022 16:15

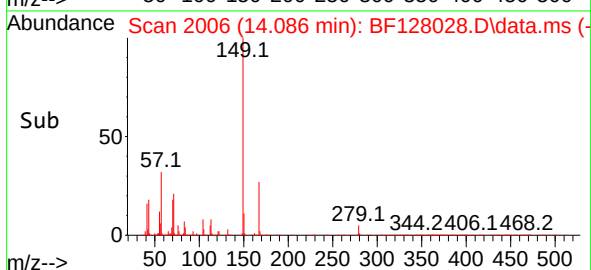
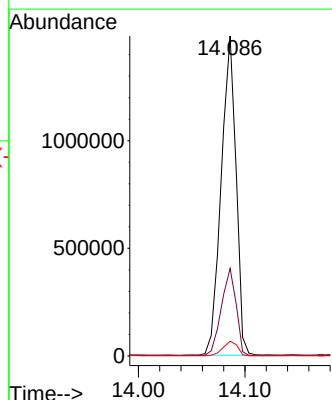
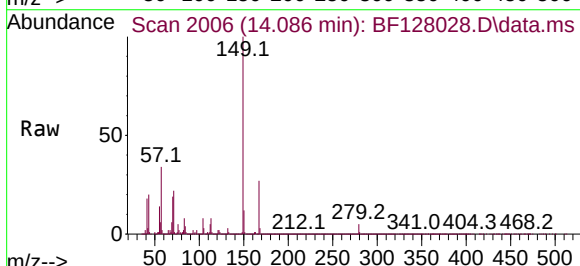
Tgt Ion:149 Resp: 1432870

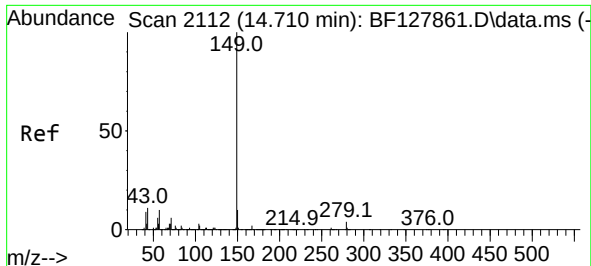
Ion Ratio Lower Upper

149 100

167 27.3 22.0 33.0

279 4.6 3.4 5.0

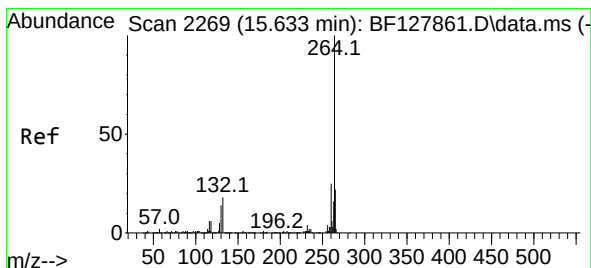
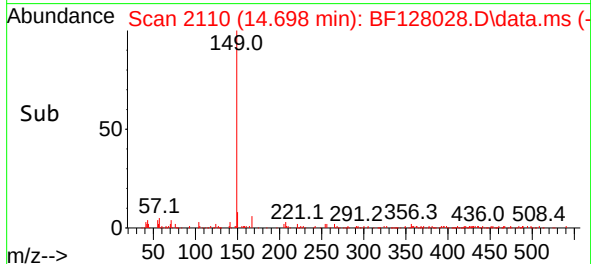
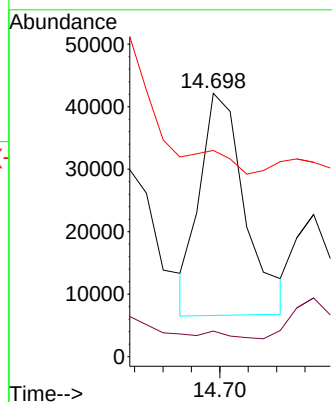
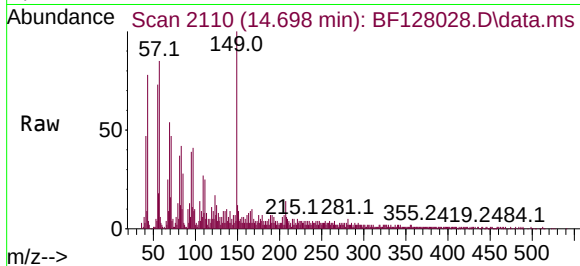




#85
Di-n-octyl phthalate
Concen: 3.098 ng
RT: 14.698 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

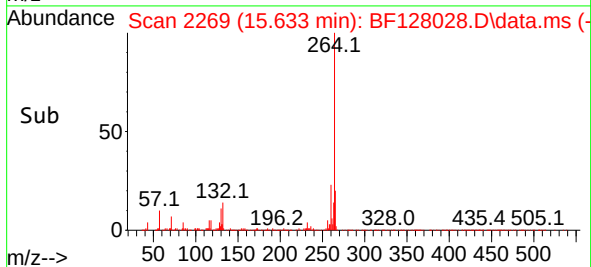
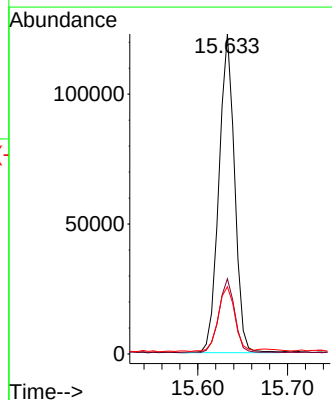
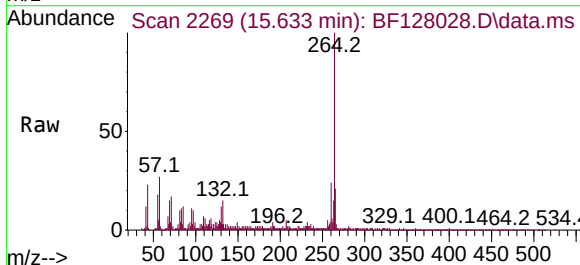
Instrument :
BNA_F
ClientSampleId :
DS-8

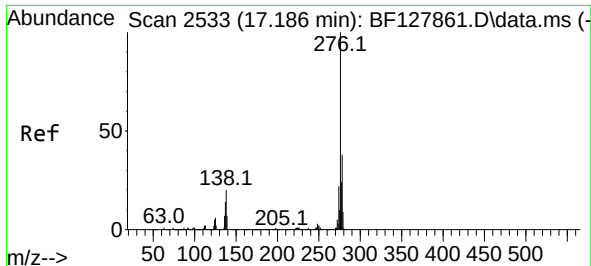
Tgt Ion:149 Resp: 39274
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 8.9 13.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:264 Resp: 149027
Ion Ratio Lower Upper
264 100
260 23.5 20.1 30.1
265 21.0 17.5 26.3

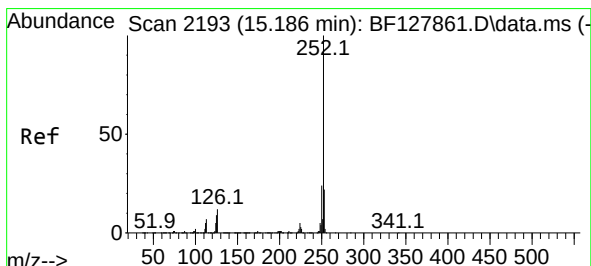
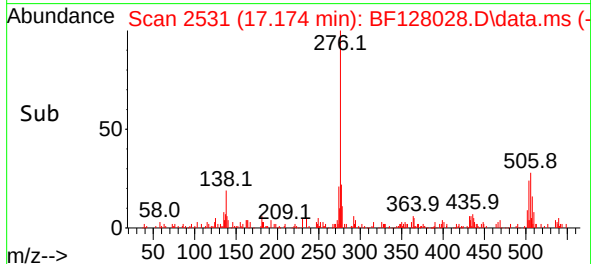
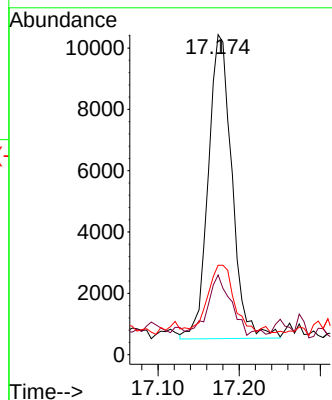
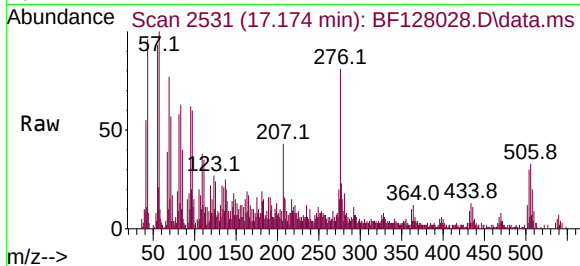




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.025 ng
RT: 17.174 min Scan# 2113
Delta R.T. 0.006 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

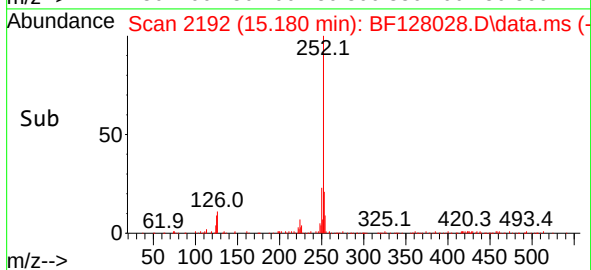
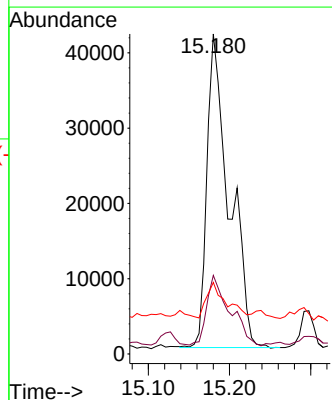
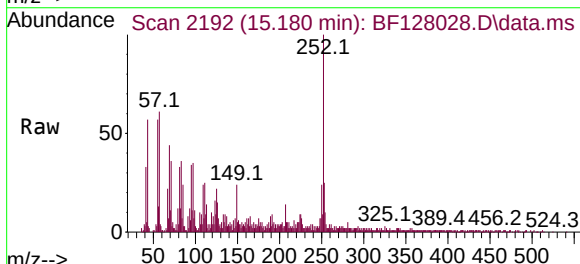
Instrument :
BNA_F
ClientSampleId :
DS-8

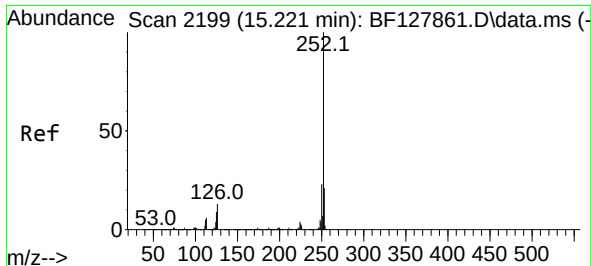
Tgt Ion: 276 Resp: 20139
Ion Ratio Lower Upper
276 100
138 18.0 19.0 28.4#
277 24.1 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 8.448 ng
RT: 15.180 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion: 252 Resp: 79071
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 22.4 7.4 11.2#

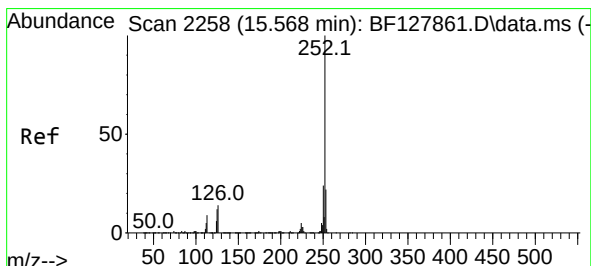
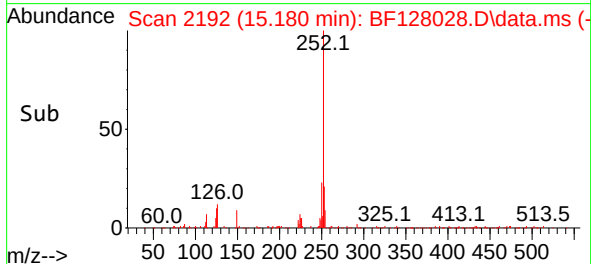
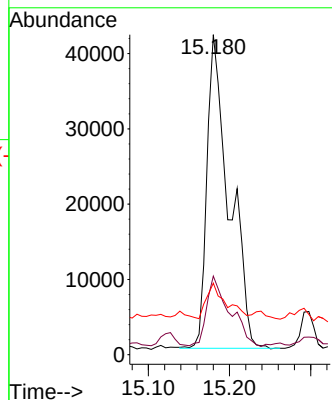
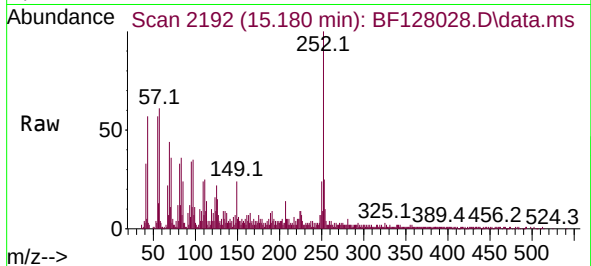




#89
Benzo(k)fluoranthene
Concen: 8.385 ng
RT: 15.180 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

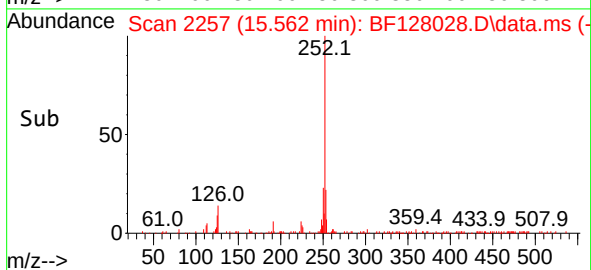
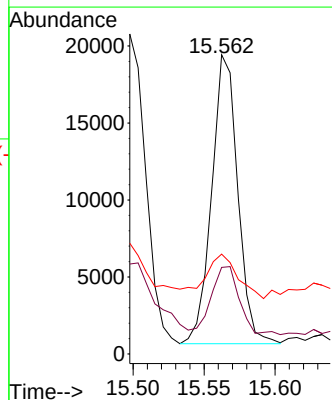
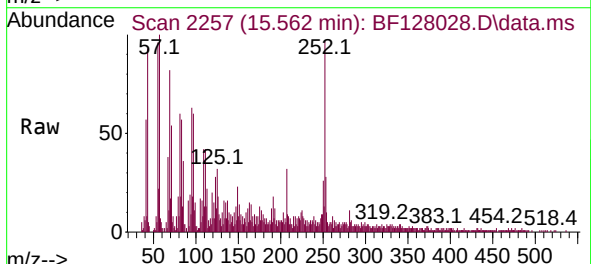
Instrument :
BNA_F
ClientSampleId :
DS-8

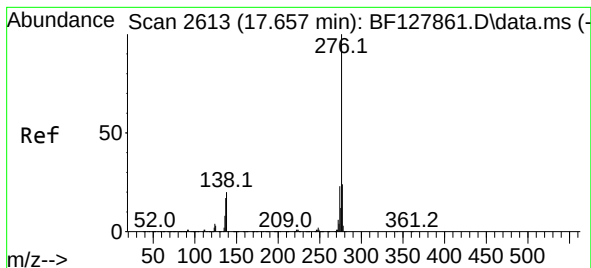
Tgt Ion:252 Resp: 79071
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 22.4 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 3.085 ng
RT: 15.562 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF128028.D
Acq: 02 May 2022 16:15

Tgt Ion:252 Resp: 23950
Ion Ratio Lower Upper
252 100
253 28.9 17.8 26.6#
125 33.4 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.088 ng

RT: 17.650 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF128028.D

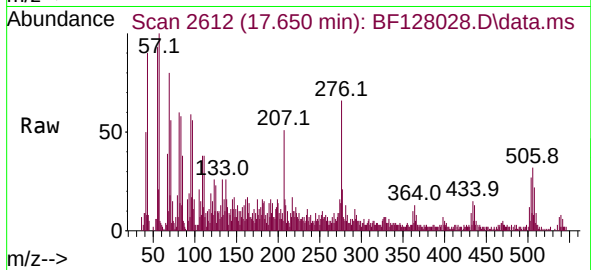
Acq: 02 May 2022 16:15

Instrument :

BNA_F

ClientSampleId :

DS-8



Tgt Ion:276 Resp: 17552

Ion Ratio Lower Upper

276 100

277 32.4 18.8 28.2#

138 24.7 16.2 24.2#

