

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128969.D
 Acq On : 23 Jun 2022 23:31
 Operator : CG\JU
 Sample : N3462-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-5-20220622

Quant Time: Jun 24 04:37:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

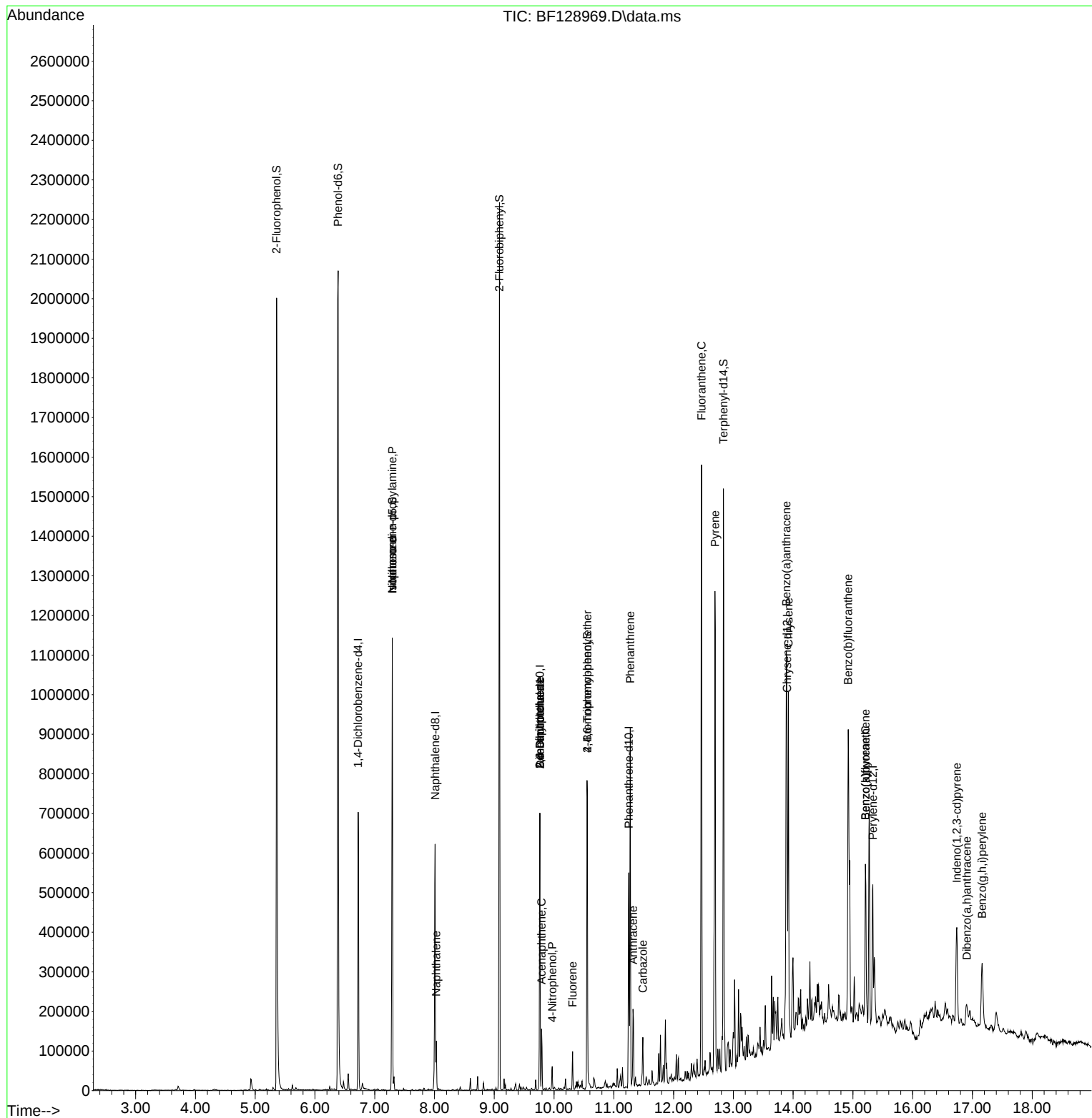
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	97271	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	250336	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	127744	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	199776	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	160791	20.000	ng	# 0.00
86) Perylene-d12	15.333	264	151404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	515186	84.363	ng	0.00
7) Phenol-d6	6.387	99	663069	88.950	ng	0.00
23) Nitrobenzene-d5	7.293	82	340511	63.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	93981	62.265	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	616254	67.576	ng	0.00
79) Terphenyl-d14	12.833	244	486893	52.618	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.293	70	47964	10.349	ng	# 80
25) Isophorone	7.293	82	335212	41.049	ng	# 65
31) Naphthalene	8.028	128	45959	3.577	ng	96
50) Dimethylphthalate	9.763	163	24572	2.810	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	17025	9.865	ng	# 25
52) Acenaphthene	9.792	154	28487	3.907	ng	96
56) 4-Nitrophenol	9.969	139	8453	6.226	ng	# 9
57) 2,4-Dinitrotoluene	9.763	165	17025	7.392	ng	# 21
58) Fluorene	10.310	166	21799	2.682	ng	95
67) 4-Bromophenyl-phenylether	10.557	248	5720	2.567	ng	# 1
71) Phenanthrene	11.275	178	291782	29.119	ng	98
72) Anthracene	11.322	178	71672	7.226	ng	99
73) Carbazole	11.486	167	44057	4.783	ng	97
75) Fluoranthene	12.469	202	610043	58.242	ng	96
78) Pyrene	12.692	202	535681	44.779	ng	98
81) Benzo(a)anthracene	13.886	228	384971	38.410	ng	99
83) Chrysene	13.922	228	290900	30.444	ng	98
87) Indeno(1,2,3-cd)pyrene	16.739	276	152127	16.670	ng	# 89
88) Benzo(b)fluoranthene	14.921	252	550586	56.911	ng	98
89) Benzo(k)fluoranthene	15.210	252	183838	20.200	ng	99
90) Benzo(a)pyrene	15.210	252	187101	24.606	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	34025	4.495	ng	94
92) Benzo(g,h,i)perylene	17.162	276	136829	18.239	ng	# 93

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

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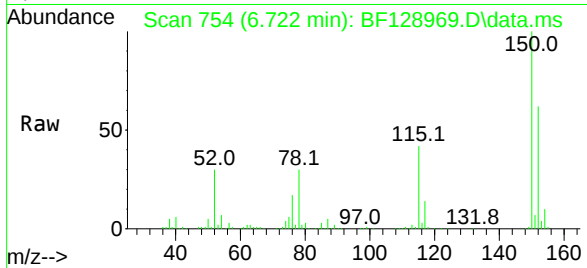
Quant Time: Jun 24 04:37:05 2022
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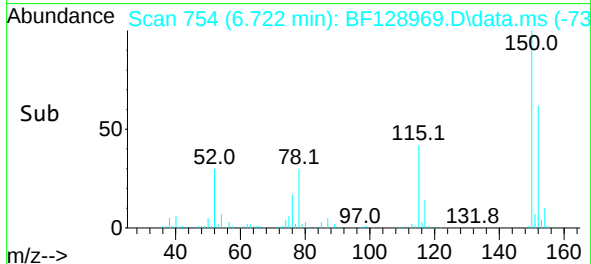
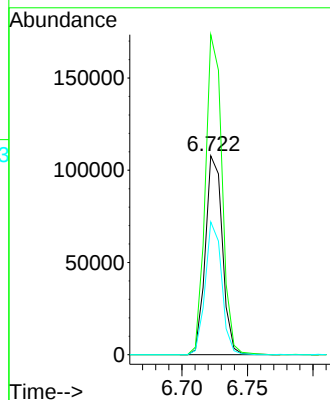


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Instrument :
BNA_F
ClientSampleId :
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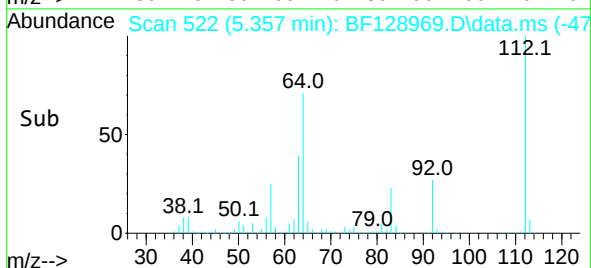
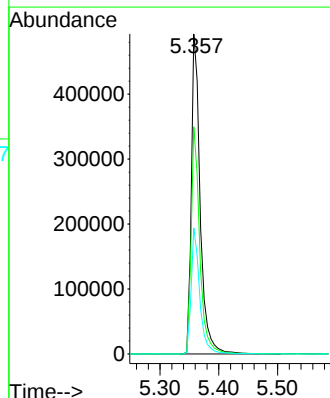
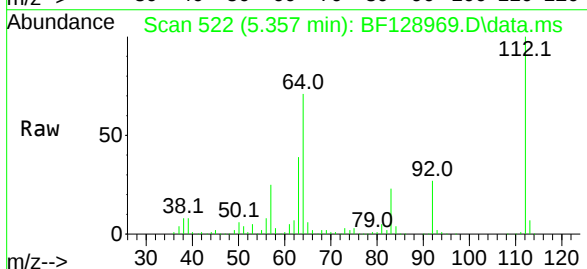


Tgt Ion:152 Resp: 97271
Ion Ratio Lower Upper
152 100
150 160.9 123.7 185.5
115 66.8 49.9 74.9



#5
2-Fluorophenol
Concen: 84.363 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:112 Resp: 515186
Ion Ratio Lower Upper
112 100
64 71.0 53.3 79.9
63 39.4 28.0 42.0

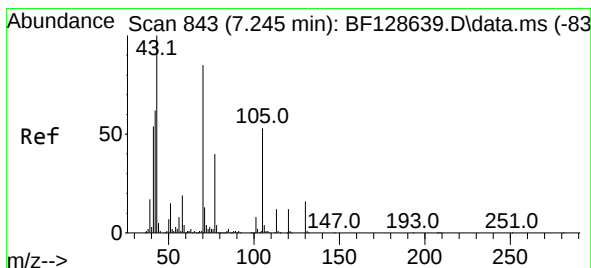
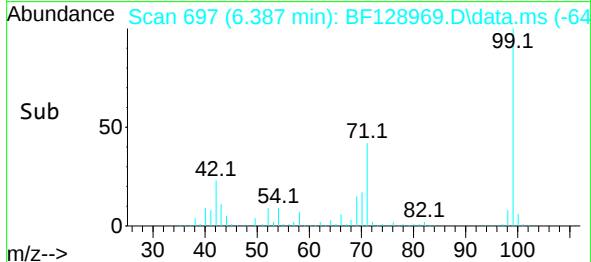
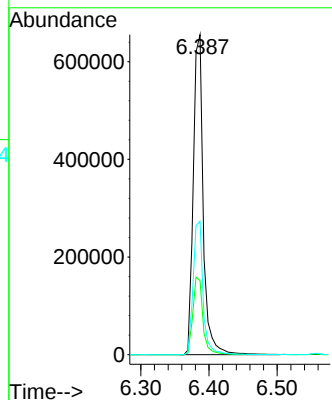
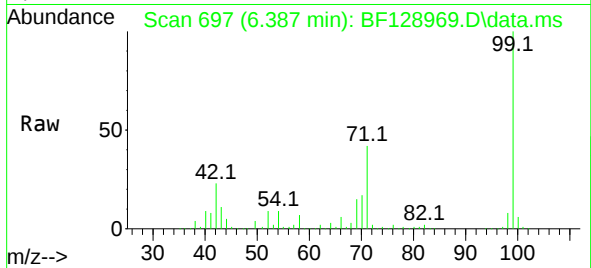




#7
Phenol-d6
Concen: 88.950 ng
RT: 6.387 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

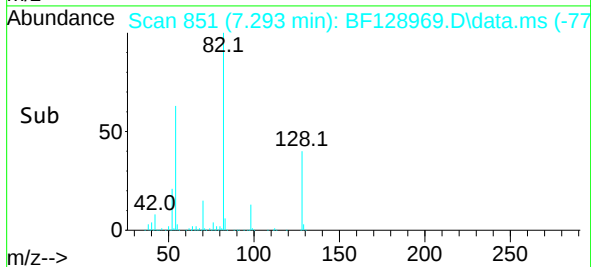
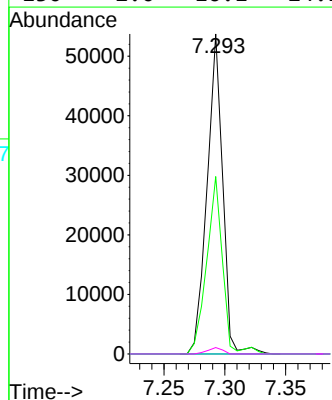
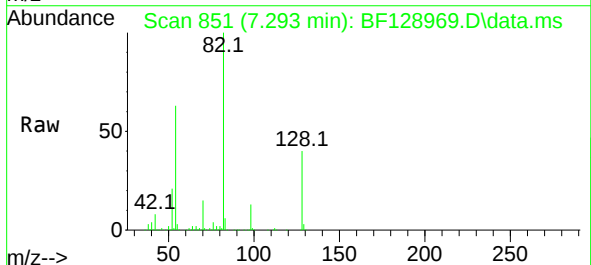
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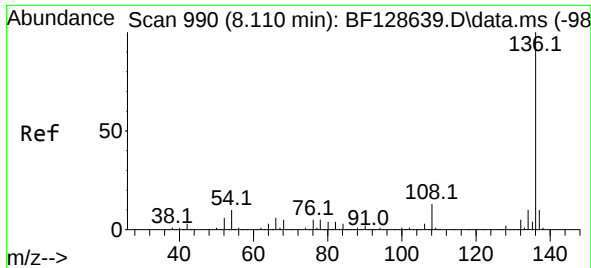
Tgt Ion: 99 Resp: 663069
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 41.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.349 ng
RT: 7.293 min Scan# 851
Delta R.T. 0.141 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

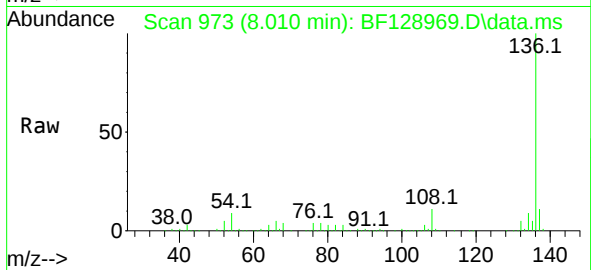
Tgt Ion: 70 Resp: 47964
Ion Ratio Lower Upper
70 100
42 55.5 52.3 78.5
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#



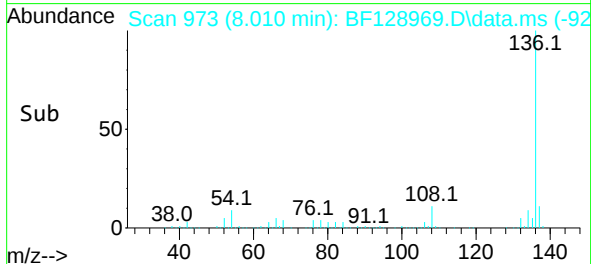
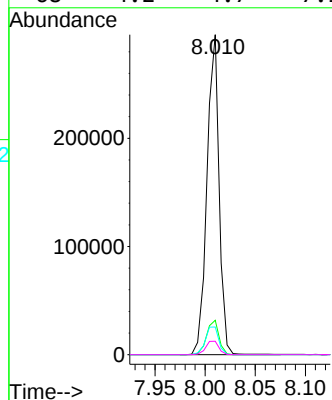


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

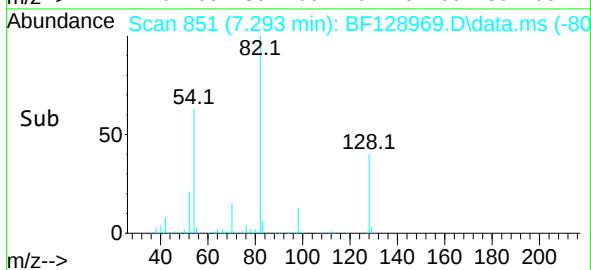
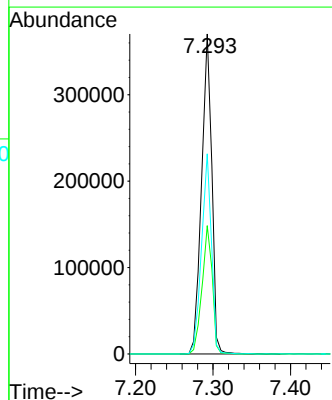
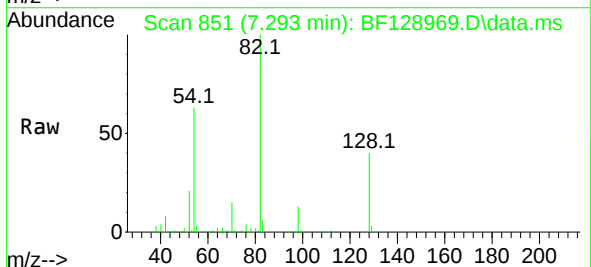


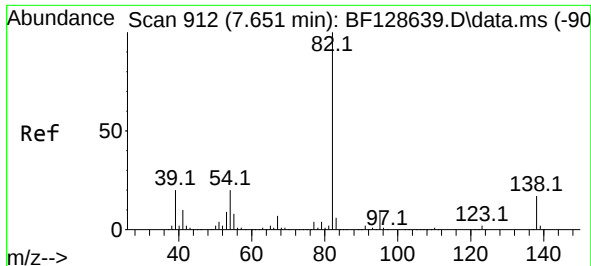
Tgt Ion:136 Resp: 250336
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.6 7.5 11.3
68 4.2 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 63.330 ng
RT: 7.293 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion: 82 Resp: 340511
Ion Ratio Lower Upper
82 100
128 40.1 34.0 51.0
54 62.6 46.9 70.3

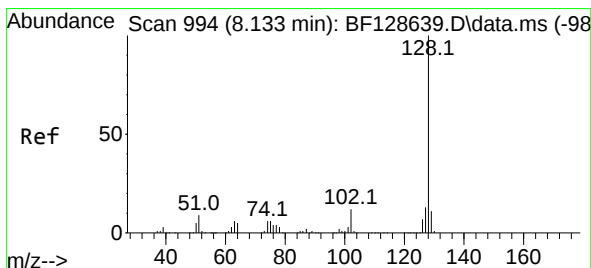
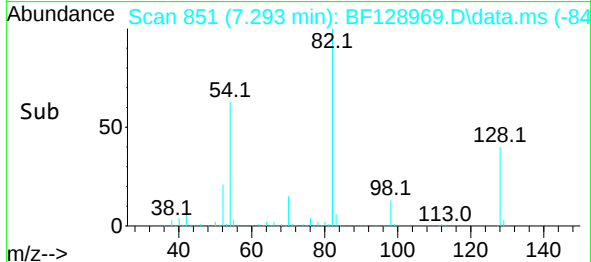
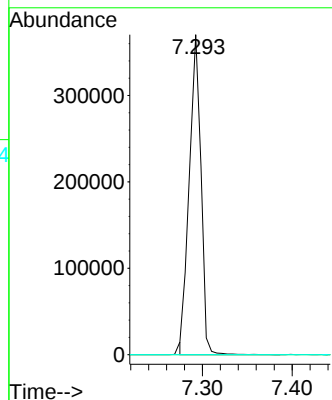
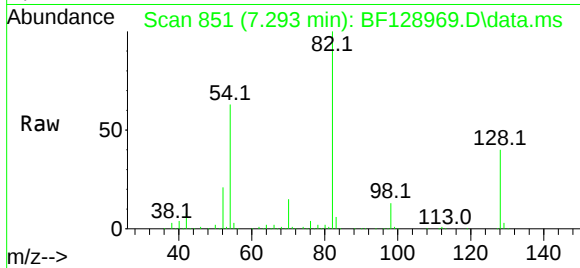




#25
Isophorone
Concen: 41.049 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

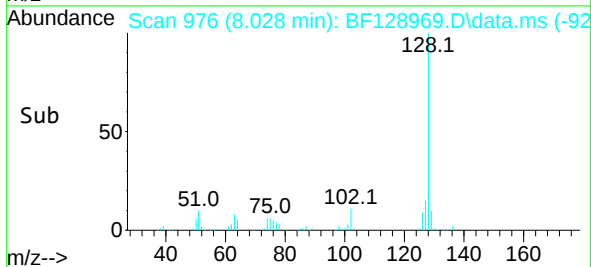
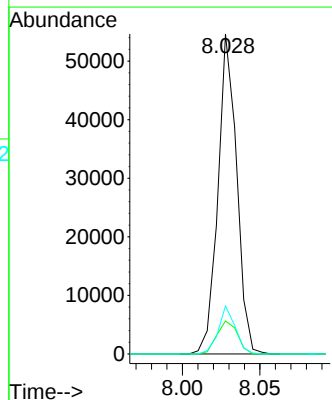
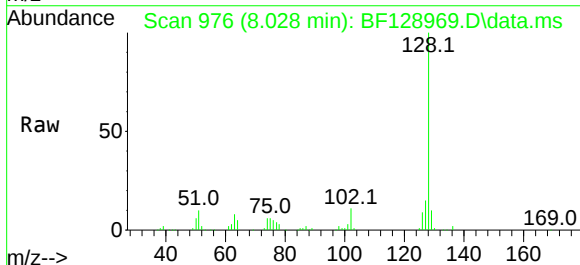
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BNA_F
ClientSampleId :
SB-2-3-5-20220622

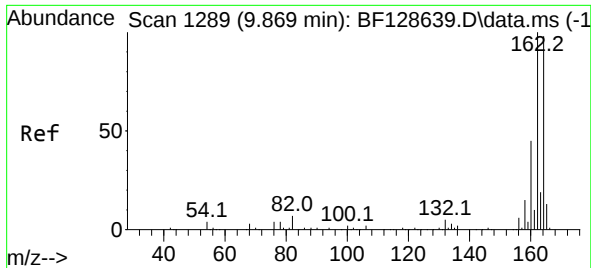
Tgt Ion: 82 Resp: 335212
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.577 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion: 128 Resp: 45959
Ion Ratio Lower Upper
128 100
129 10.3 9.2 13.8
127 15.0 10.5 15.7

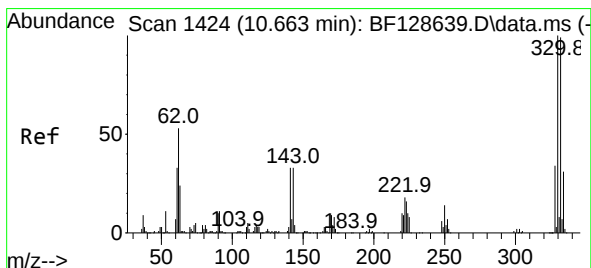
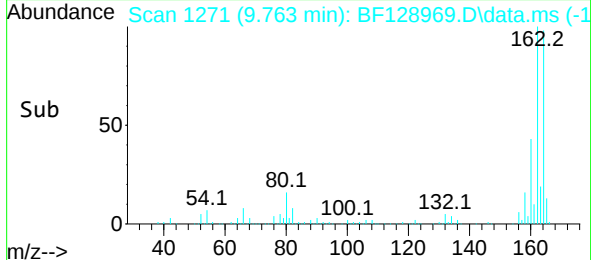
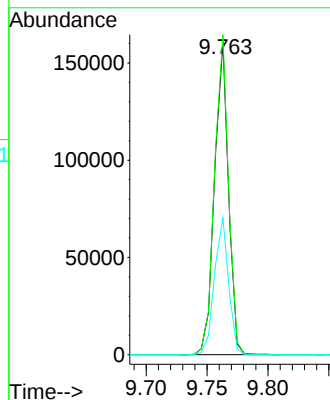
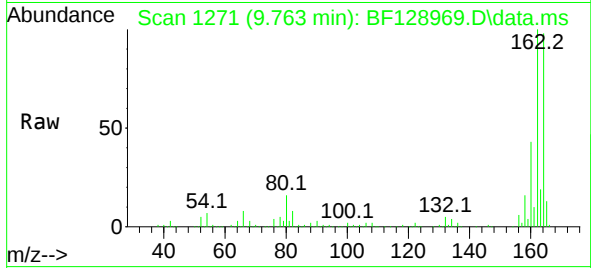




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

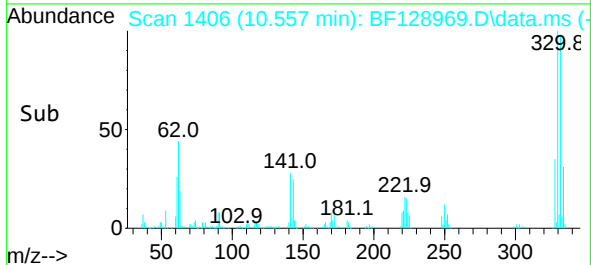
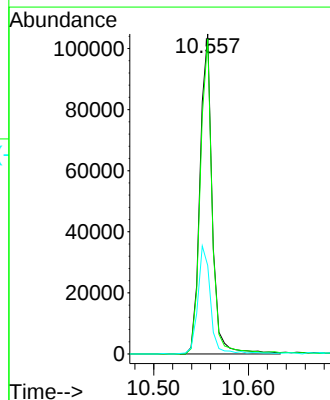
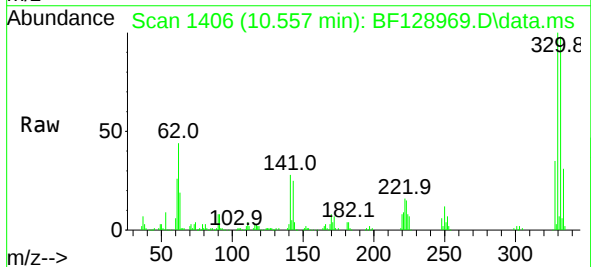
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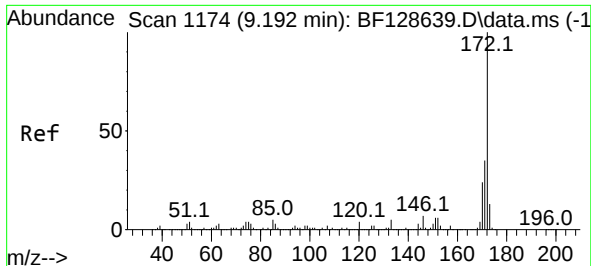
Tgt Ion:164 Resp: 127744
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 43.8 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 62.265 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:330 Resp: 93981
Ion Ratio Lower Upper
330 100
332 95.4 76.8 115.2
141 35.3 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 67.576 ng

RT: 9.087 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622

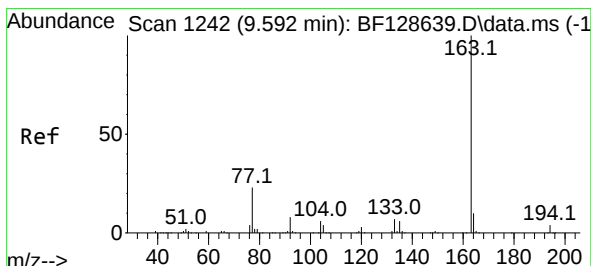
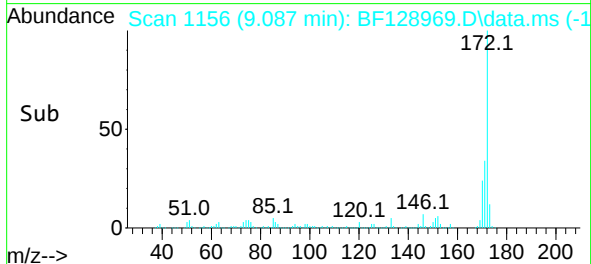
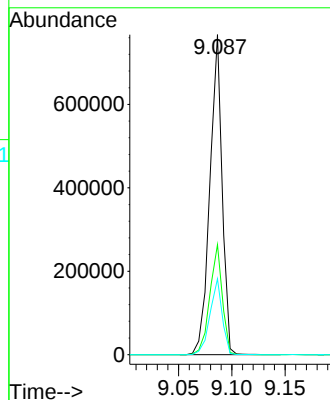
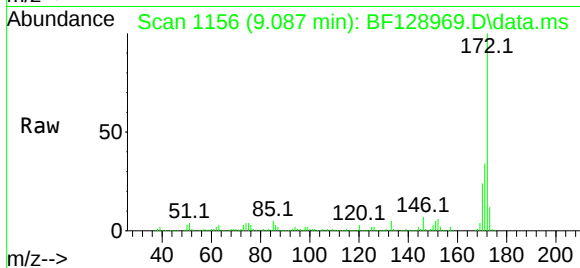
Tgt Ion:172 Resp: 616254

Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 23.7 19.8 29.8



#50

Dimethylphthalate

Concen: 2.810 ng

RT: 9.763 min Scan# 1271

Delta R.T. 0.265 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

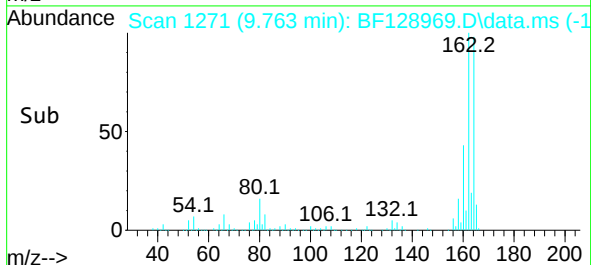
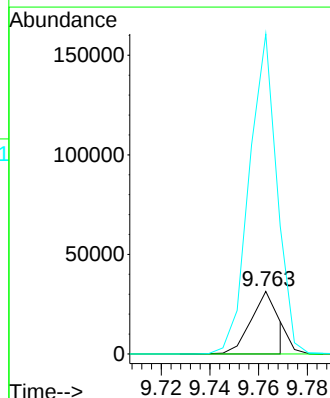
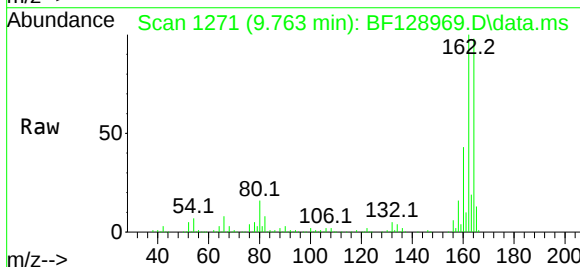
Tgt Ion:163 Resp: 24572

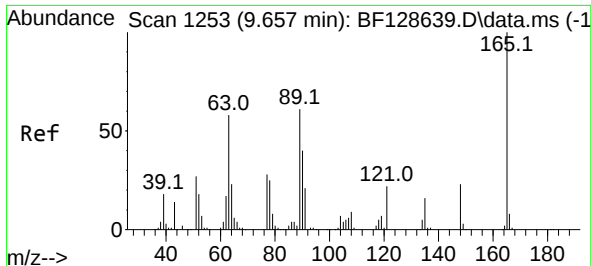
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 510.9 8.2 12.2#

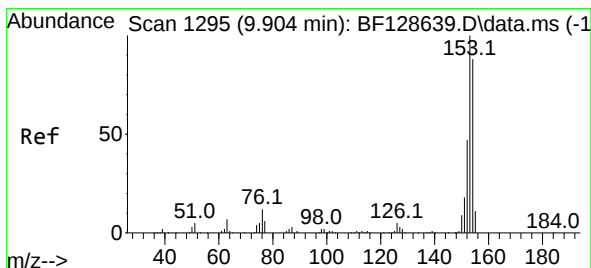
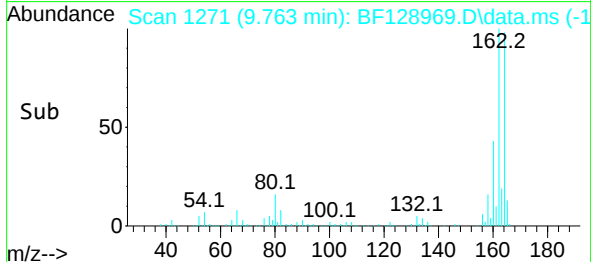
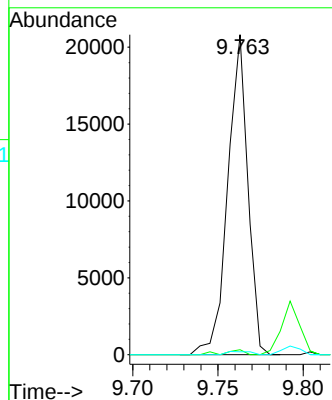
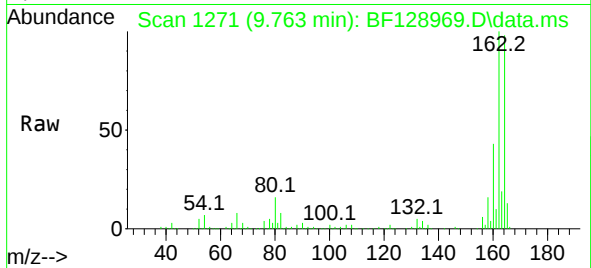




#51
2,6-Dinitrotoluene
Concen: 9.865 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

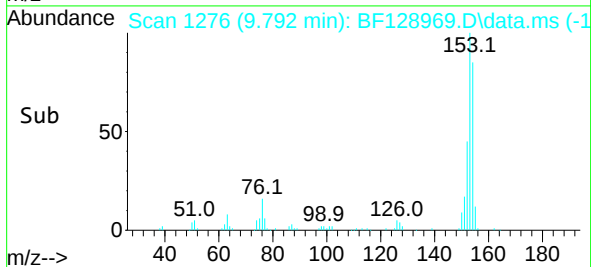
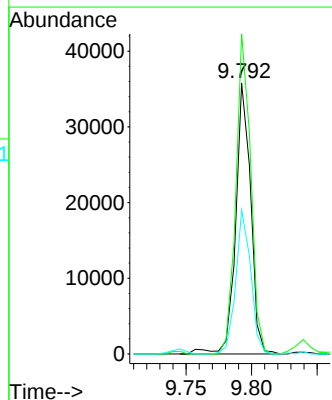
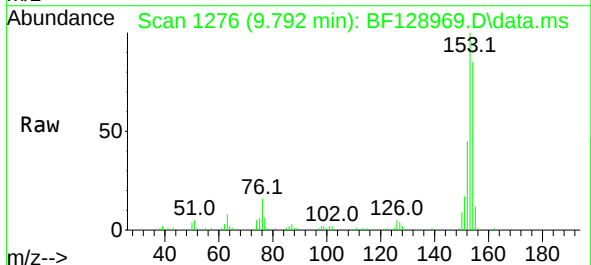
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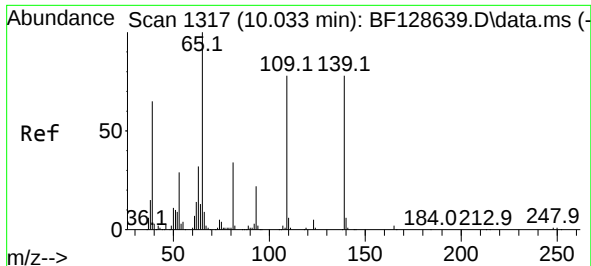
Tgt Ion:165 Resp: 17025
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 0.9 43.6 65.4#



#52
Acenaphthene
Concen: 3.907 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:154 Resp: 28487
Ion Ratio Lower Upper
154 100
153 118.2 89.6 134.4
152 53.1 42.4 63.6

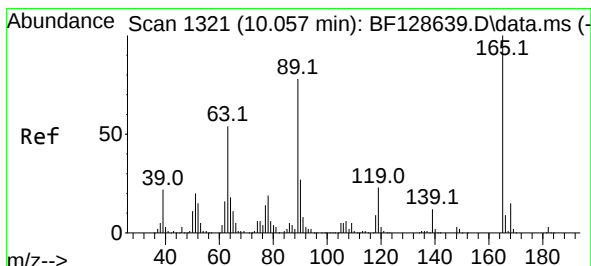
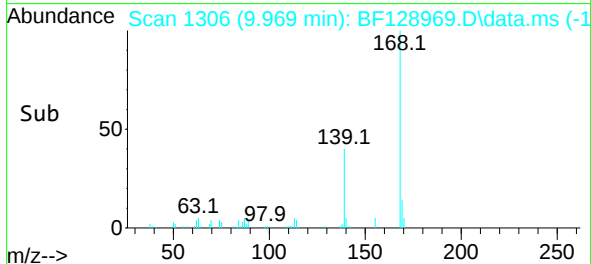
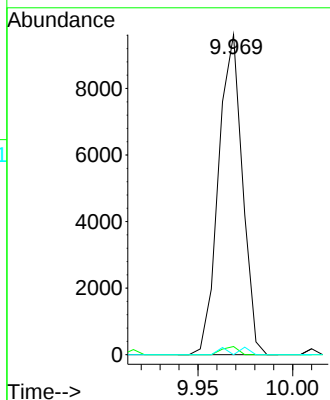
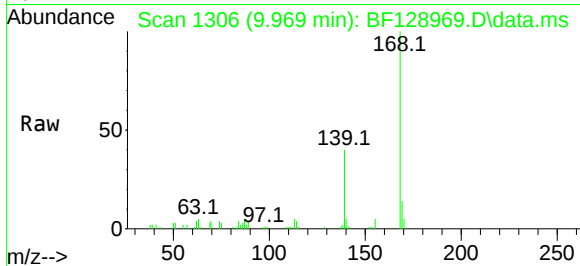




#56
4-Nitrophenol
Concen: 6.226 ng
RT: 9.969 min Scan# 111
Delta R.T. 0.041 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

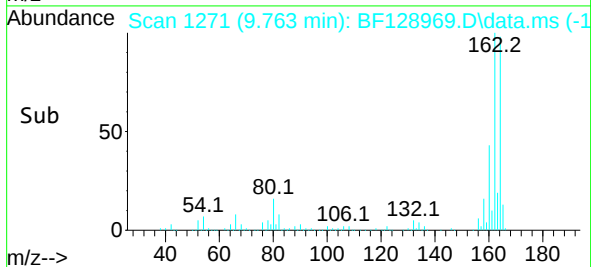
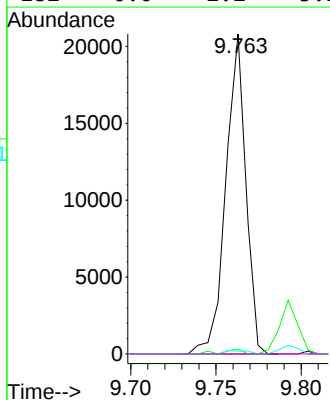
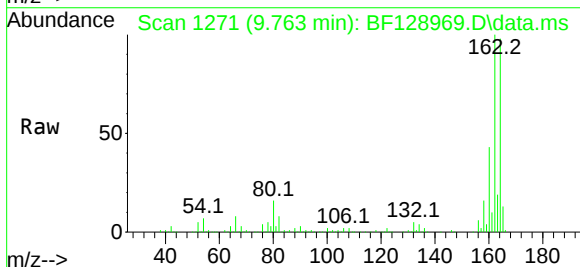
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

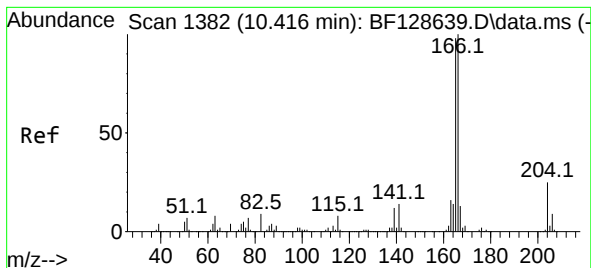
Tgt Ion:139 Resp: 8453
Ion Ratio Lower Upper
139 100
109 2.5 50.7 90.7#
65 0.0 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 7.392 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.206 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:165 Resp: 17025
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 0.9 60.2 90.2#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.682 ng

RT: 10.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622

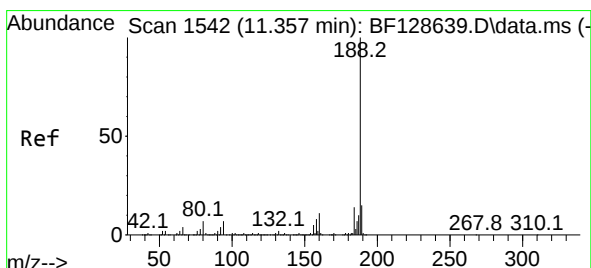
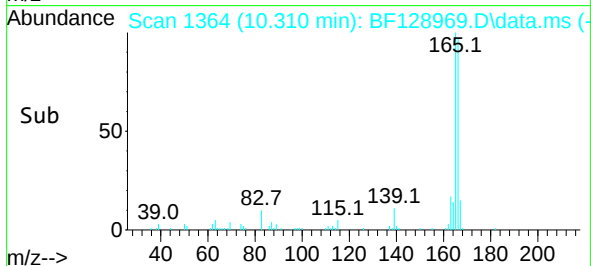
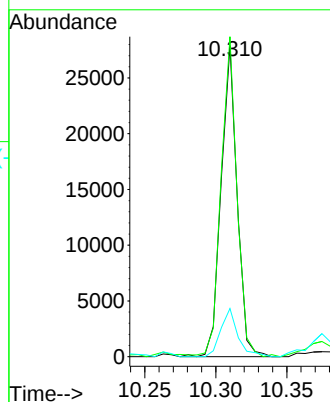
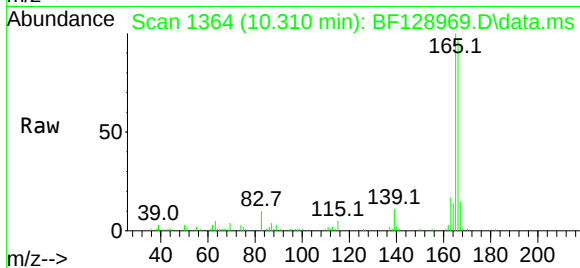
Tgt Ion:166 Resp: 21799

Ion Ratio Lower Upper

166 100

165 102.9 78.1 117.1

167 15.5 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1524

Delta R.T. 0.000 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

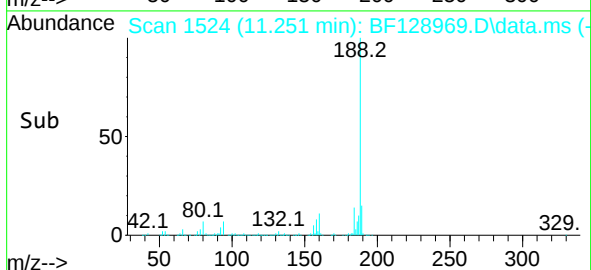
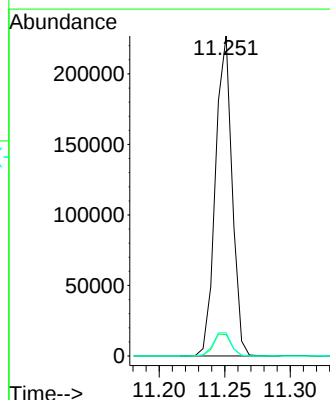
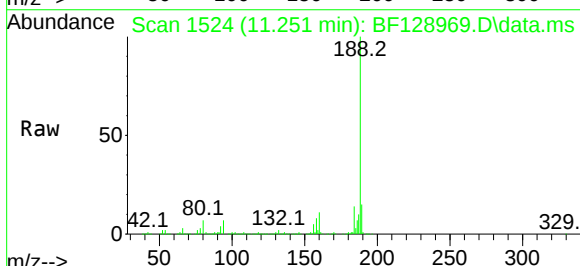
Tgt Ion:188 Resp: 199776

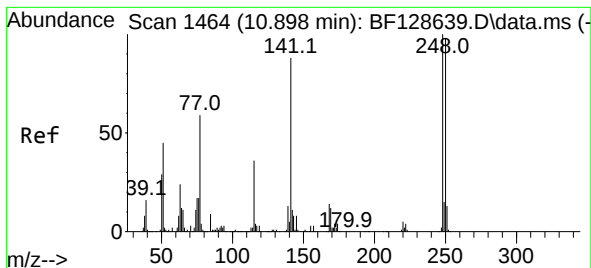
Ion Ratio Lower Upper

188 100

94 6.7 7.0 10.6#

80 7.3 7.6 11.4#

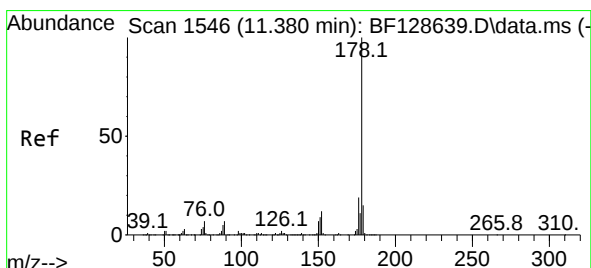
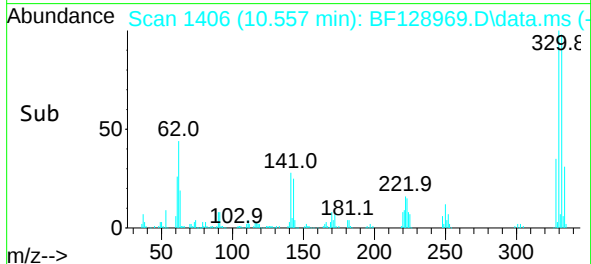
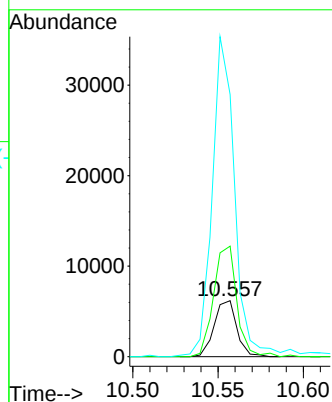
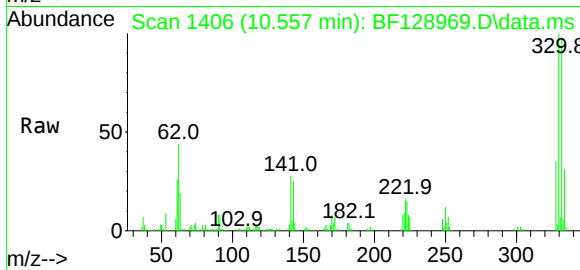




#67
4-Bromophenyl-phenylether
Concen: 2.567 ng
RT: 10.557 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

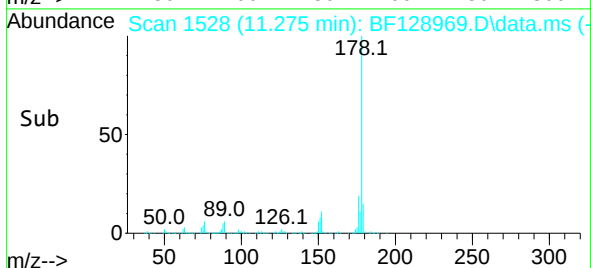
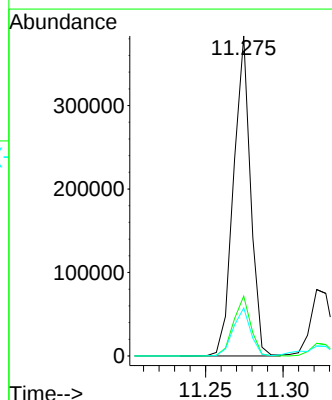
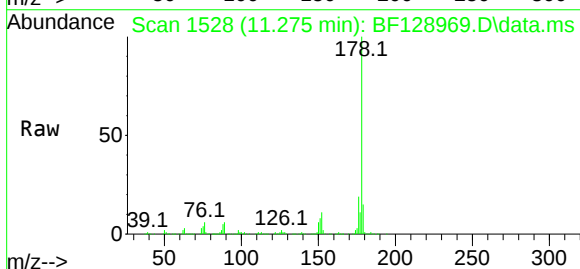
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

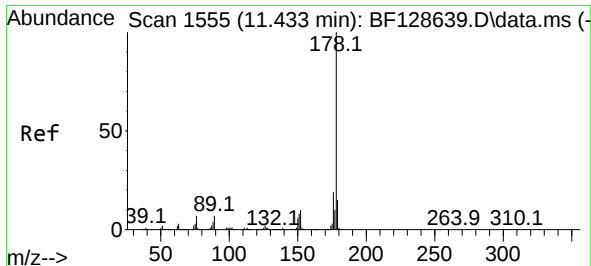
Tgt Ion:248 Resp: 5720
Ion Ratio Lower Upper
248 100
250 197.6 80.6 120.8#
141 468.3 58.9 88.3#



#71
Phenanthrene
Concen: 29.119 ng
RT: 11.275 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:178 Resp: 291782
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.0 12.6 19.0

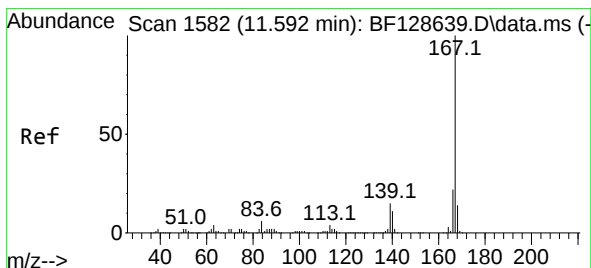
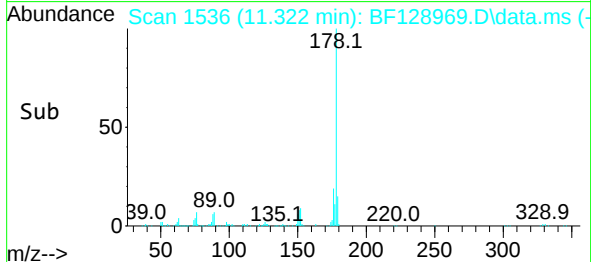
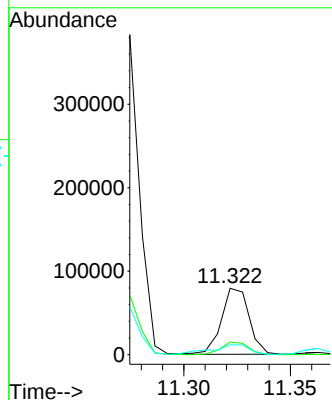
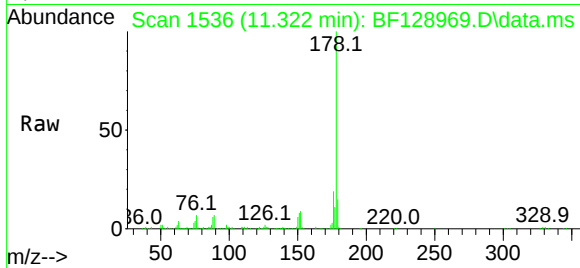




#72
 Anthracene
 Concen: 7.226 ng
 RT: 11.322 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31

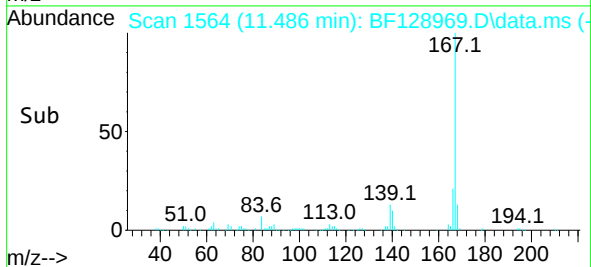
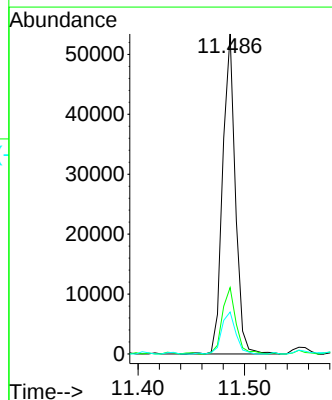
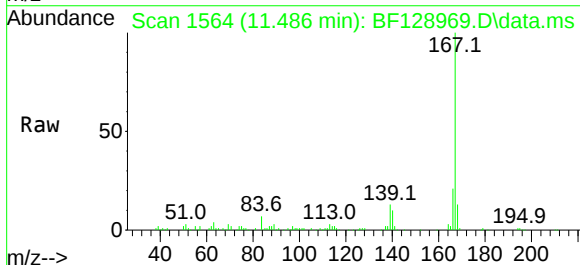
Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-5-20220622

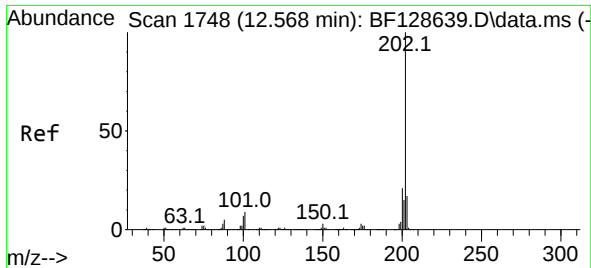
Tgt Ion:178 Resp: 71672
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 14.9 12.6 19.0



#73
 Carbazole
 Concen: 4.783 ng
 RT: 11.486 min Scan# 1564
 Delta R.T. -0.006 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31

Tgt Ion:167 Resp: 44057
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.7 26.5
 139 13.1 11.2 16.8

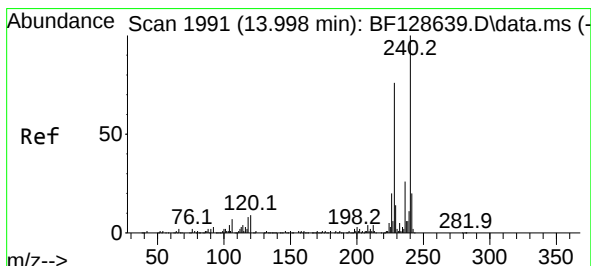
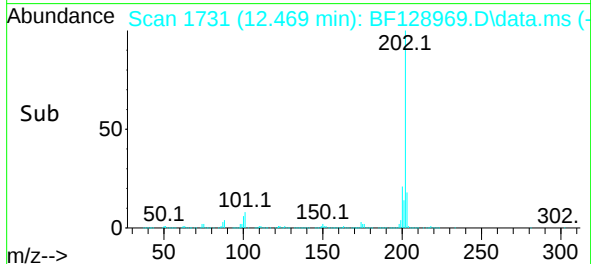
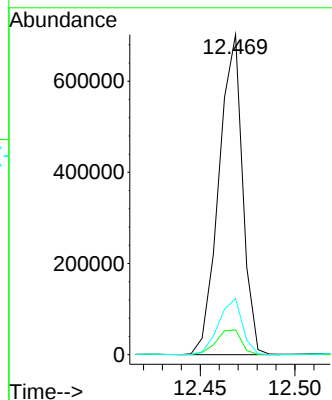
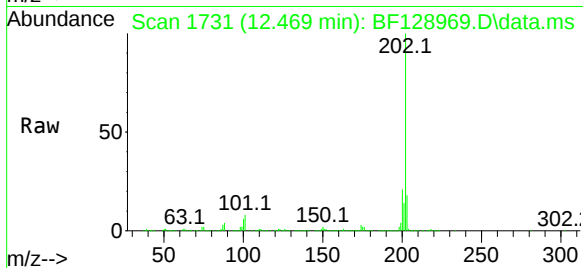




#75
Fluoranthene
Concen: 58.242 ng
RT: 12.469 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

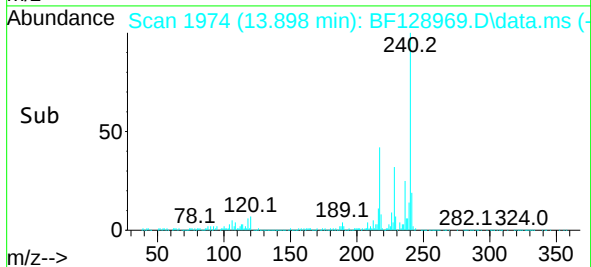
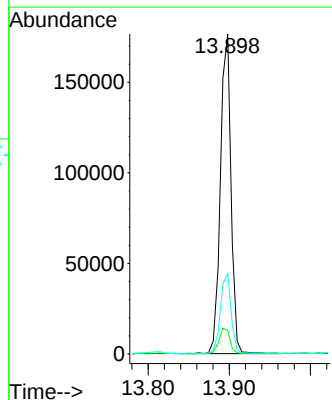
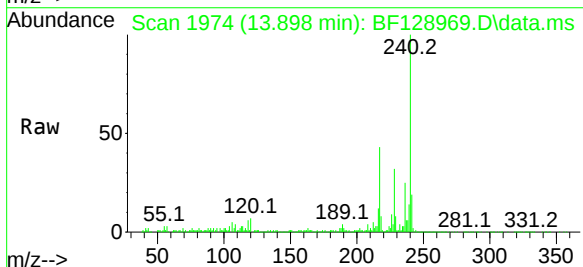
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

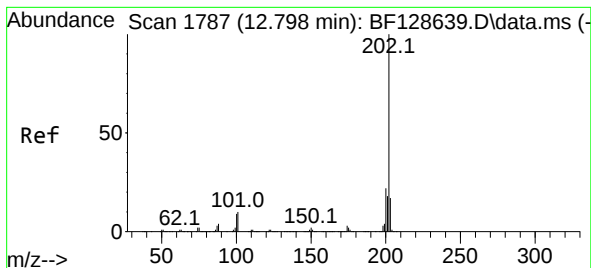
Tgt Ion:202 Resp: 610043
Ion Ratio Lower Upper
202 100
101 7.8 0.0 31.4
203 17.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:240 Resp: 160791
Ion Ratio Lower Upper
240 100
120 7.3 8.9 13.3#
236 25.1 20.8 31.2





#78

Pyrene

Concen: 44.779 ng

RT: 12.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622

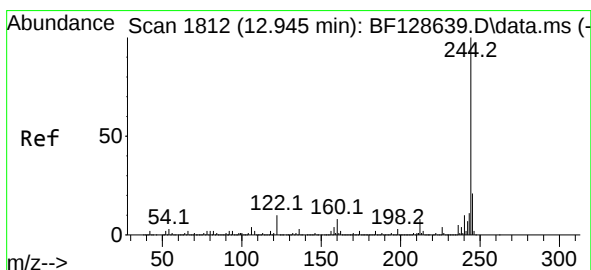
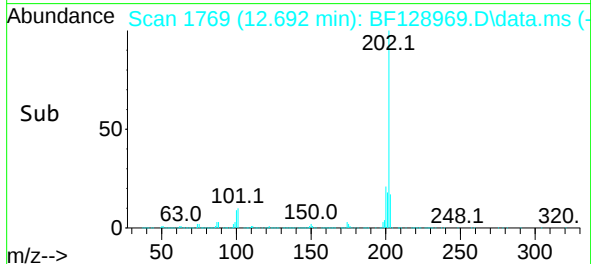
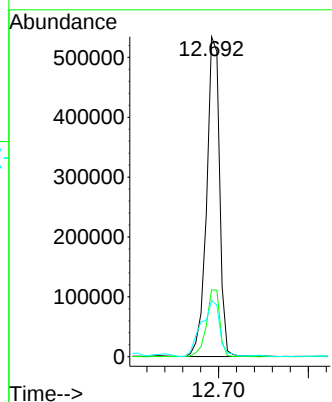
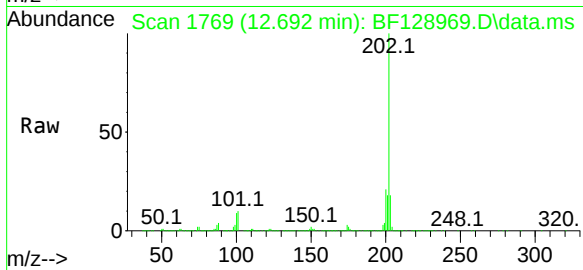
Tgt Ion:202 Resp: 535681

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 52.618 ng

RT: 12.833 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

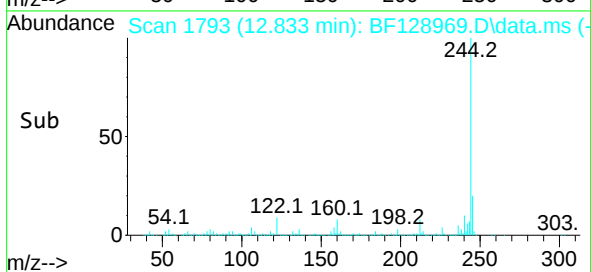
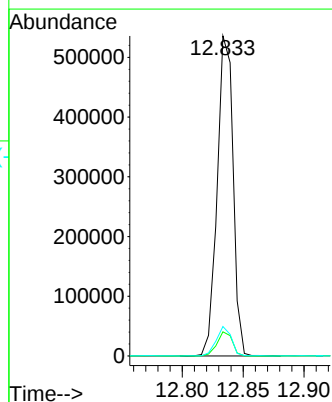
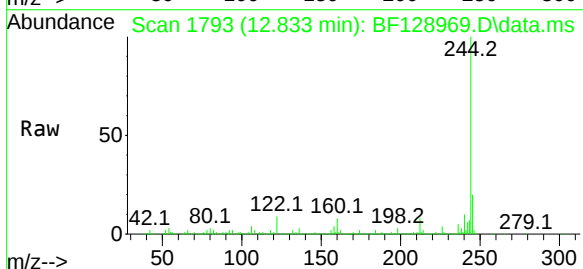
Tgt Ion:244 Resp: 486893

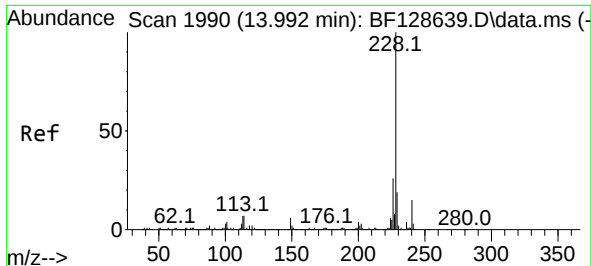
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 9.2 8.8 13.2

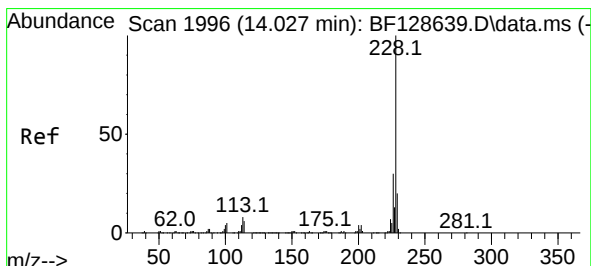
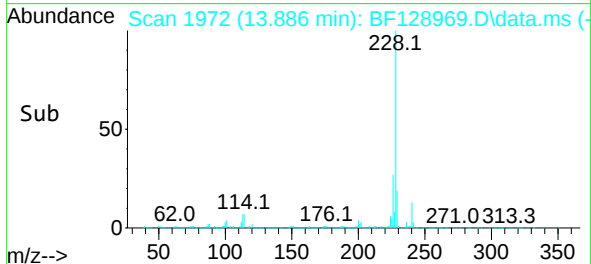
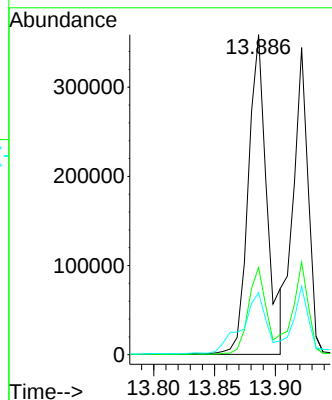
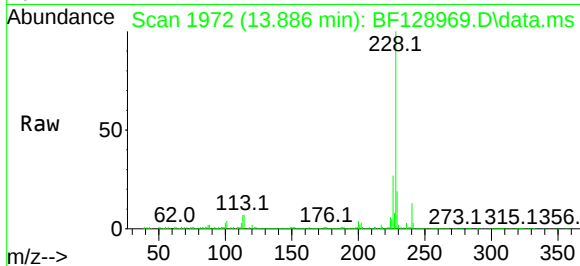




#81
Benzo(a)anthracene
Concen: 38.410 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

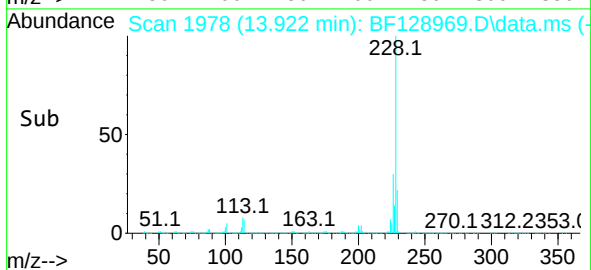
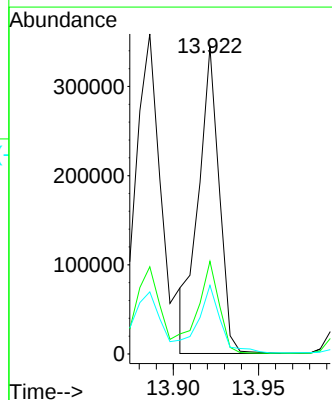
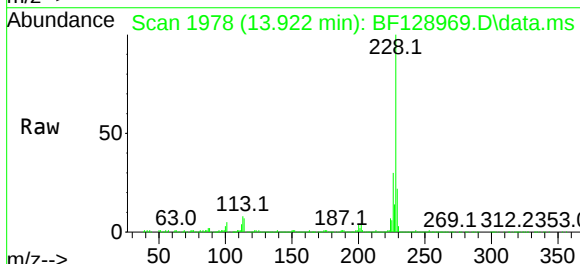
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

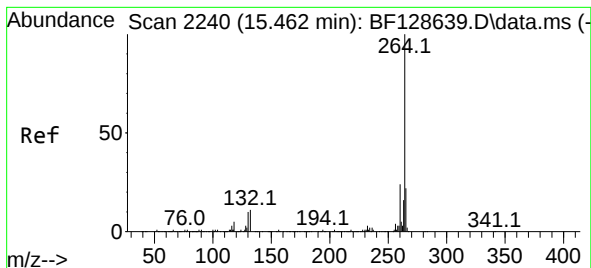
Tgt Ion:228 Resp: 384971
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 19.4 15.8 23.8



#83
Chrysene
Concen: 30.444 ng
RT: 13.922 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:228 Resp: 290900
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622

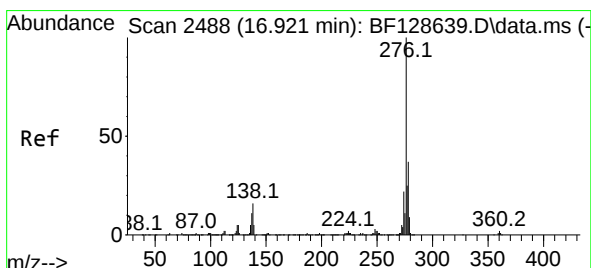
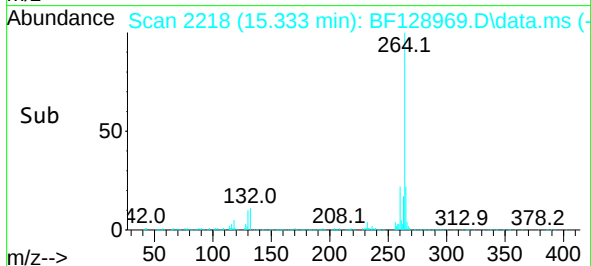
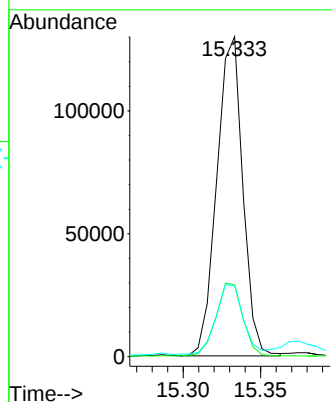
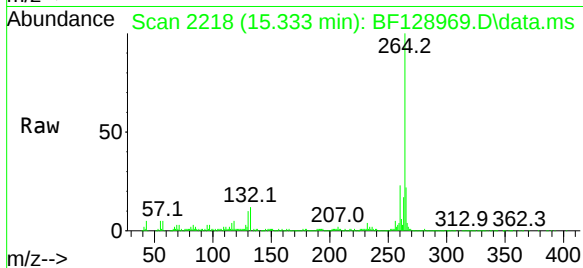
Tgt Ion:264 Resp: 151404

Ion Ratio Lower Upper

264 100

260 22.6 18.4 27.6

265 22.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.670 ng

RT: 16.739 min Scan# 2457

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

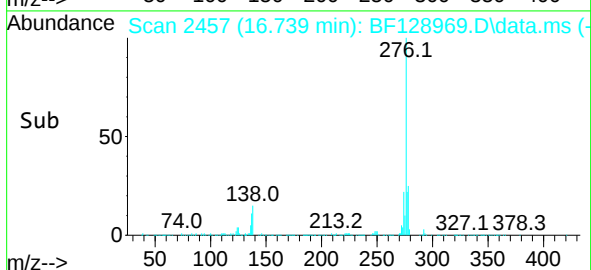
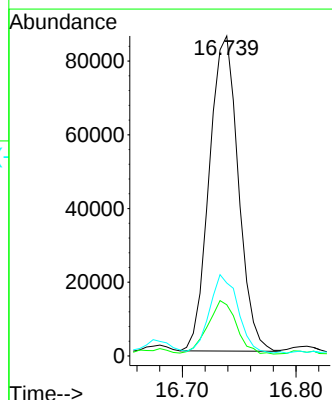
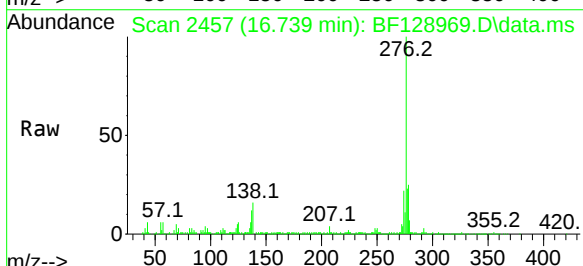
Tgt Ion:276 Resp: 152127

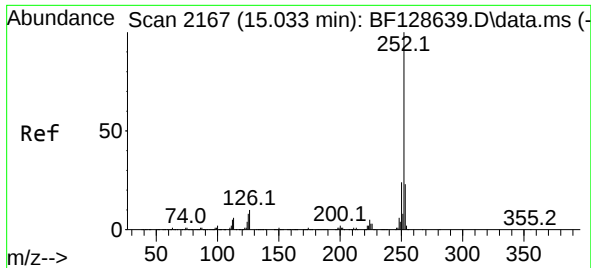
Ion Ratio Lower Upper

276 100

138 16.9 21.1 31.7#

277 24.1 20.3 30.5

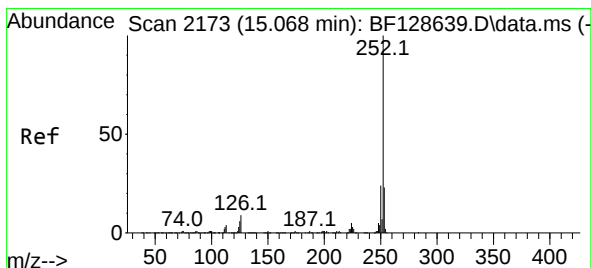
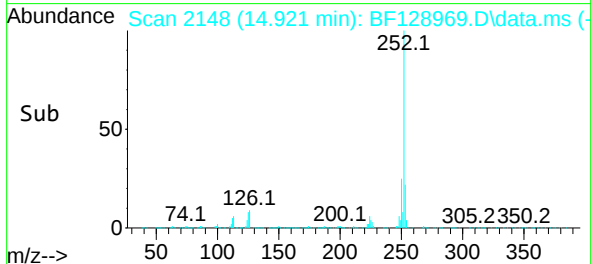
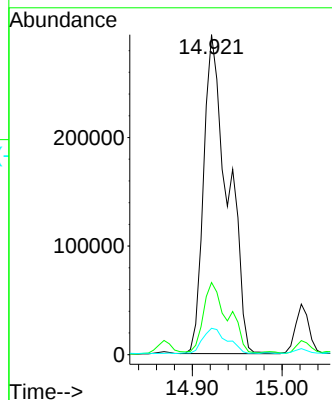
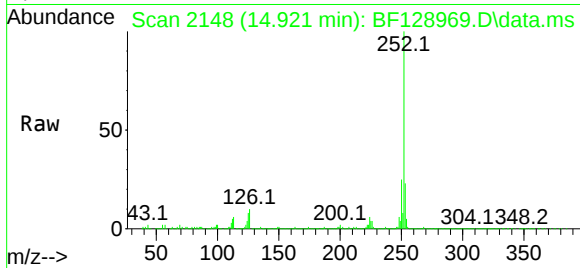




#88
Benzo(b)fluoranthene
Concen: 56.911 ng
RT: 14.921 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

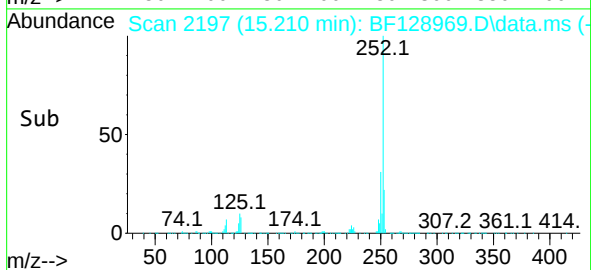
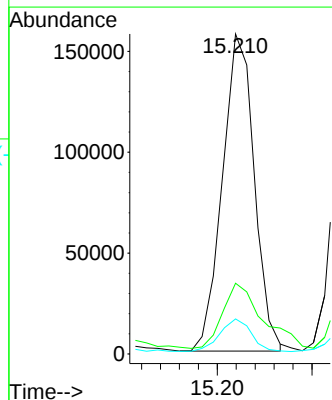
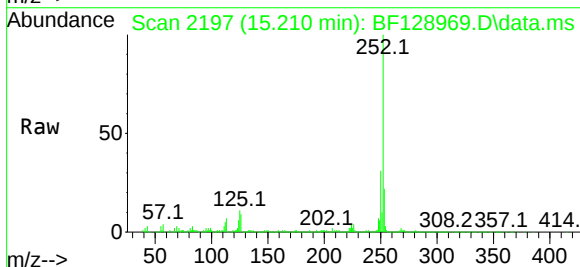
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

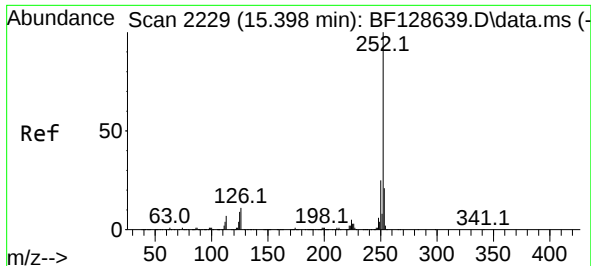
Tgt Ion:252 Resp: 550586
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 8.2 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 20.200 ng
RT: 15.210 min Scan# 2197
Delta R.T. 0.259 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:252 Resp: 183838
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.9 8.3 12.5

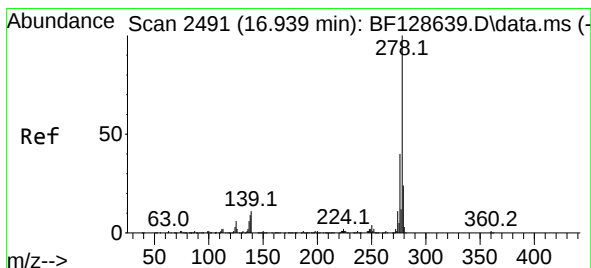
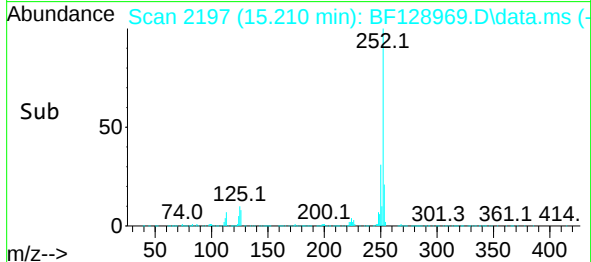
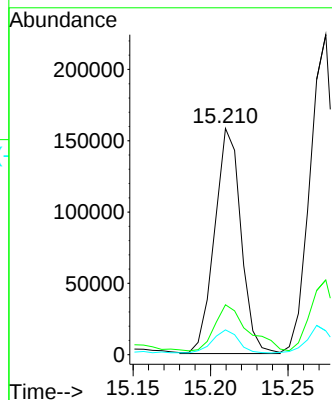
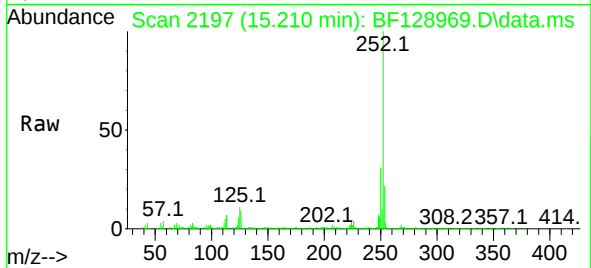




#90
Benzo(a)pyrene
Concen: 24.606 ng
RT: 15.210 min Scan# 21
Delta R.T. -0.065 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

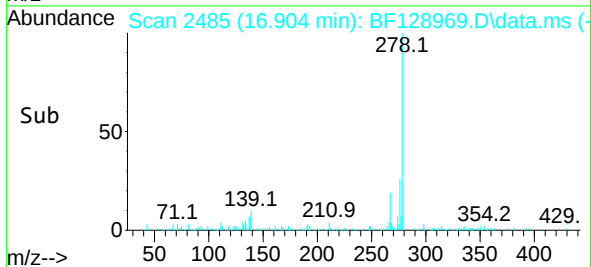
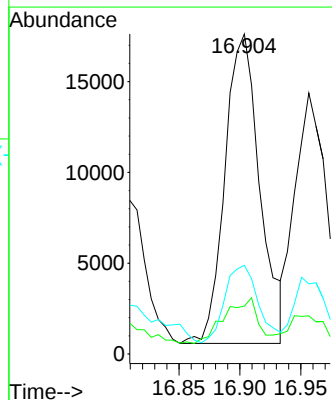
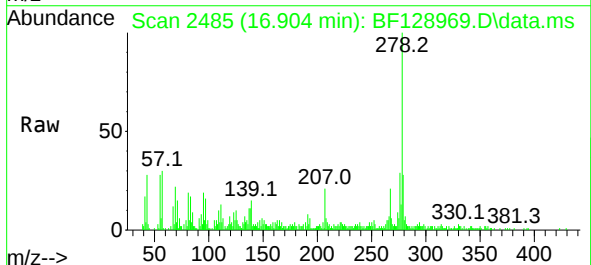
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622

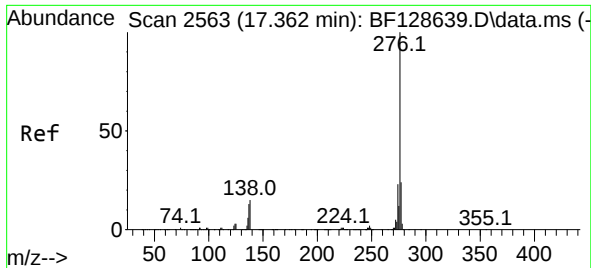
Tgt Ion:252 Resp: 187101
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 10.9 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 4.495 ng
RT: 16.904 min Scan# 2485
Delta R.T. 0.153 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:278 Resp: 34025
Ion Ratio Lower Upper
278 100
139 15.0 12.8 19.2
279 27.7 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 18.239 ng

RT: 17.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128969.D

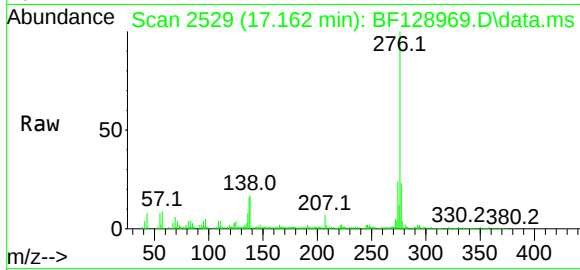
Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622



Tgt Ion:276 Resp: 136829

Ion Ratio Lower Upper

276 100

277 22.7 19.1 28.7

138 17.0 18.0 27.0#

