

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128867.D
 Acq On : 17 Jun 2022 21:41
 Operator : CG\JU
 Sample : N3213-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-W-C1

Quant Time: Jun 18 05:08:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

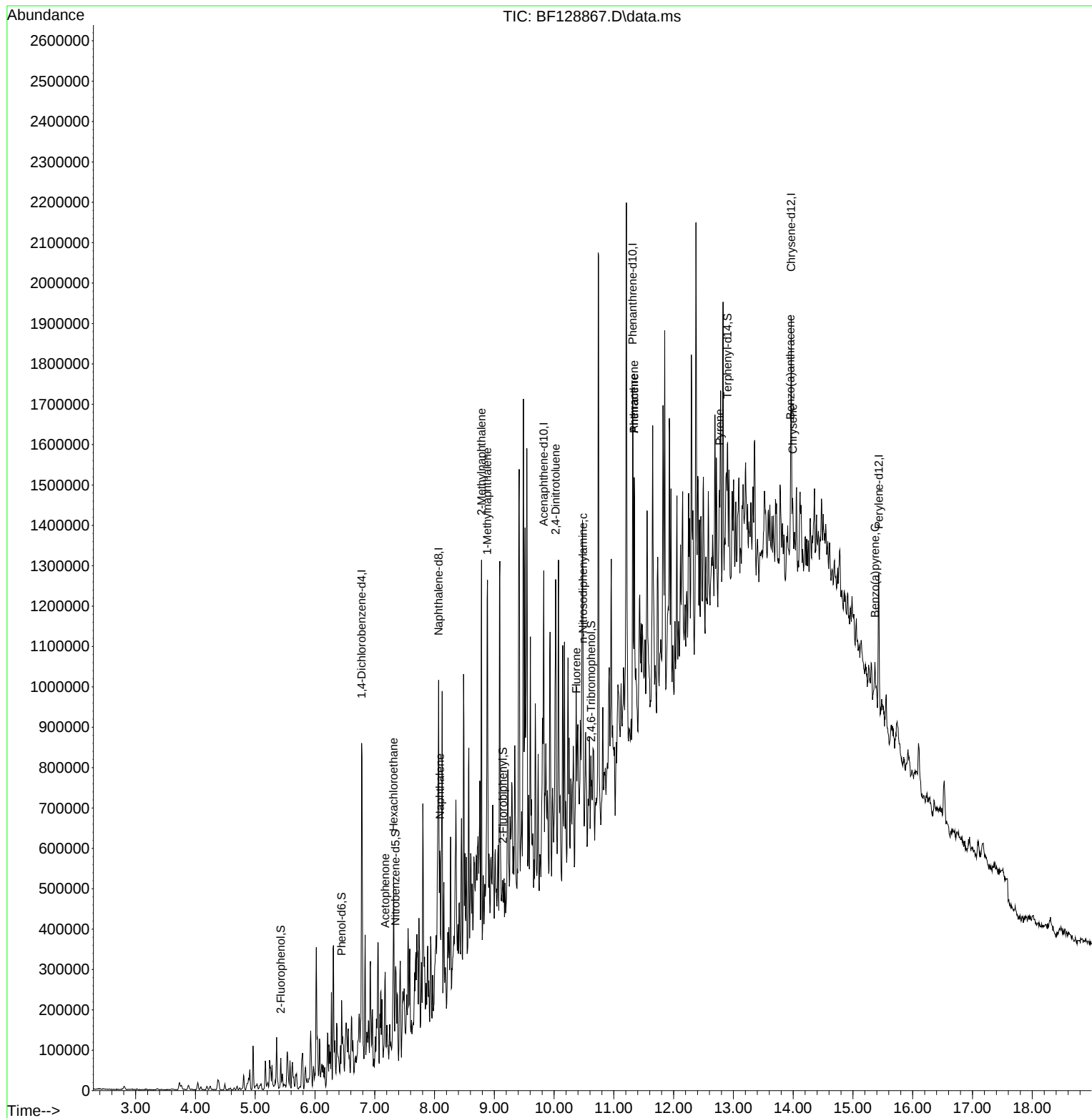
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92657	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	253277	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	127321	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	264352	20.000	ng	0.00
76) Chrysene-d12	13.968	240	179973	20.000	ng	0.00
86) Perylene-d12	15.433	264	136572	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	19507	3.353	ng	0.01
7) Phenol-d6	6.445	99	23252	3.275	ng	0.00
23) Nitrobenzene-d5	7.345	82	16254	2.988	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	4023	2.674	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	23016	2.532	ng	0.00
79) Terphenyl-d14	12.904	244	30391	2.934	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.316	117	19935	7.710	ng	# 1
22) Acetophenone	7.175	105	13534	2.043	ng	# 57
31) Naphthalene	8.092	128	61822	4.756	ng	# 92
37) 2-Methylnaphthalene	8.786	142	218863	26.472	ng	100
38) 1-Methylnaphthalene	8.880	142	198349	24.831	ng	99
57) 2,4-Dinitrotoluene	10.027	165	7543	3.286	ng	# 53
58) Fluorene	10.374	166	38851	4.797	ng	# 85
66) n-Nitrosodiphenylamine	10.486	169	52342	6.442	ng	# 55
71) Phenanthrene	11.339	178	207643	15.660	ng	97
72) Anthracene	11.339	178	207643	15.822	ng	97
78) Pyrene	12.768	202	91592	6.840	ng	# 96
81) Benzo(a)anthracene	13.957	228	26486	2.361	ng	# 30
83) Chrysene	13.992	228	43297	4.048	ng	# 56
90) Benzo(a)pyrene	15.368	252	14113	2.058	ng	# 5

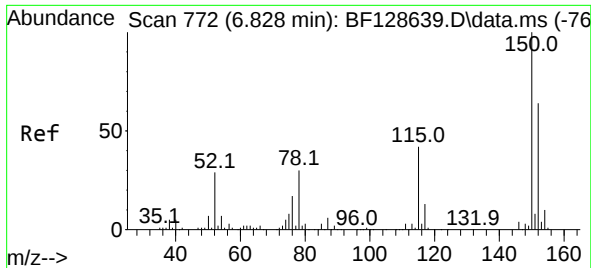
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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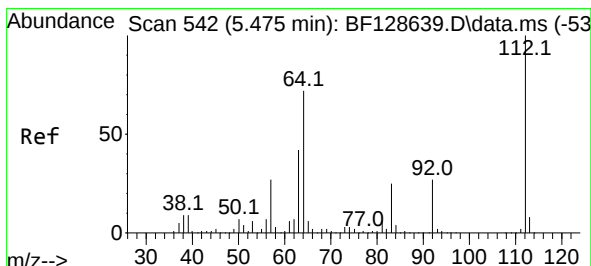
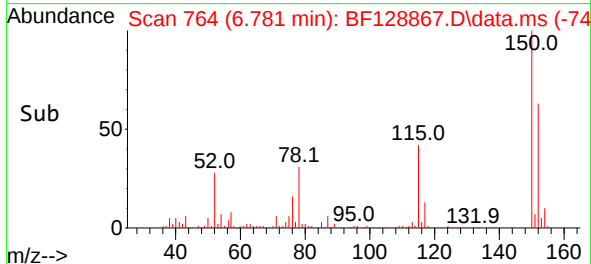
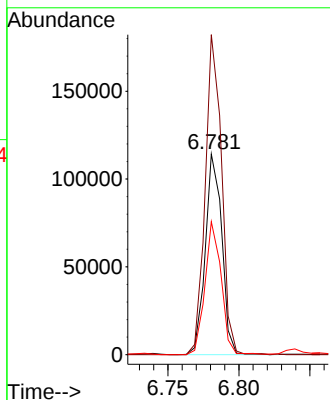
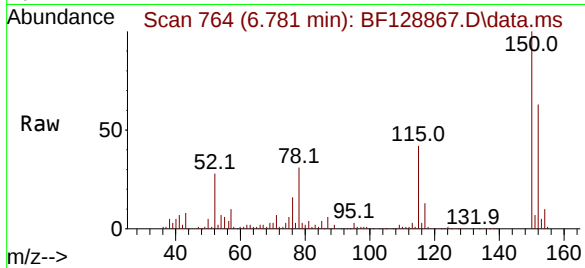




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

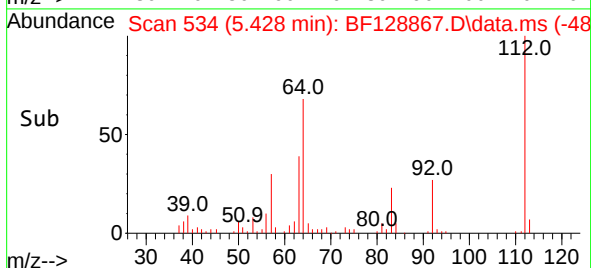
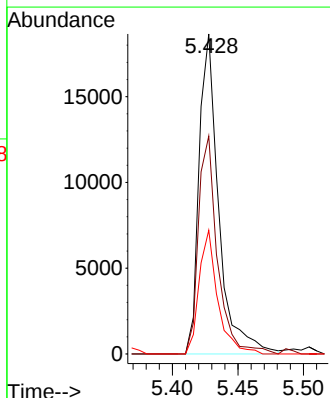
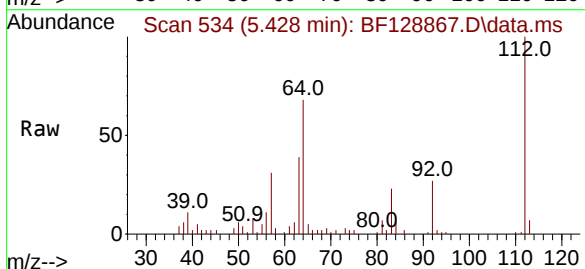
Instrument :
BNA_F
ClientSampleId :
SW-W-C1

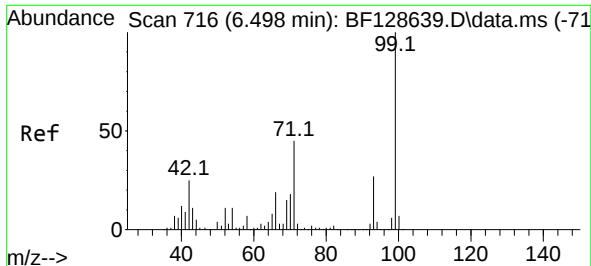
Tgt Ion:152 Resp: 92657
Ion Ratio Lower Upper
152 100
150 159.5 123.7 185.5
115 66.3 49.9 74.9



#5
2-Fluorophenol
Concen: 3.353 ng
RT: 5.428 min Scan# 534
Delta R.T. 0.012 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:112 Resp: 19507
Ion Ratio Lower Upper
112 100
64 68.1 53.3 79.9
63 38.6 28.0 42.0





#7

Phenol-d6

Concen: 3.275 ng

RT: 6.445 min Scan# 707

Delta R.T. 0.006 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

SW-W-C1

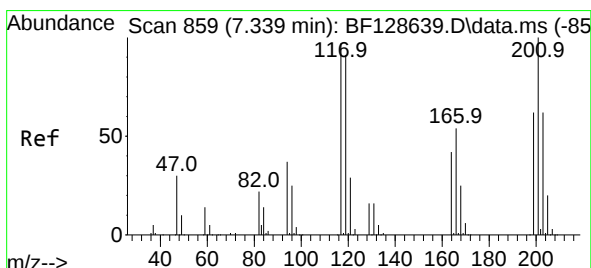
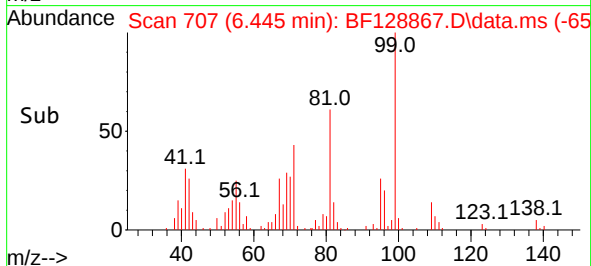
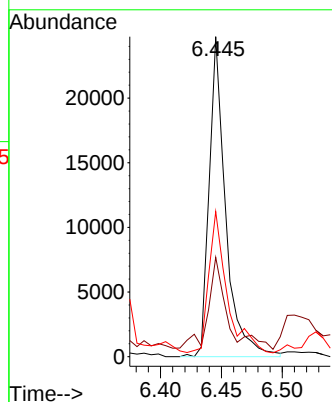
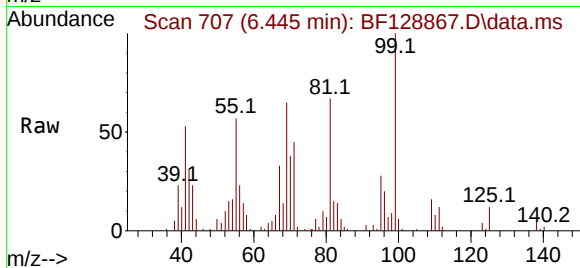
Tgt Ion: 99 Resp: 23252

Ion Ratio Lower Upper

99 100

42 31.1 17.3 25.9#

71 45.3 28.9 43.3#



#18

Hexachloroethane

Concen: 7.710 ng

RT: 7.316 min Scan# 855

Delta R.T. 0.023 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

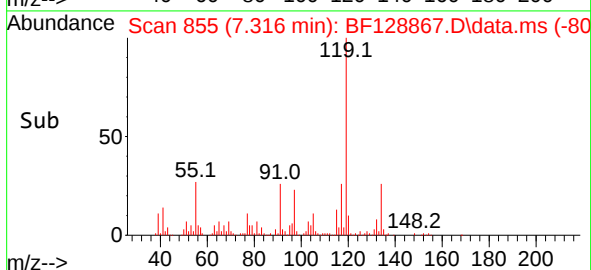
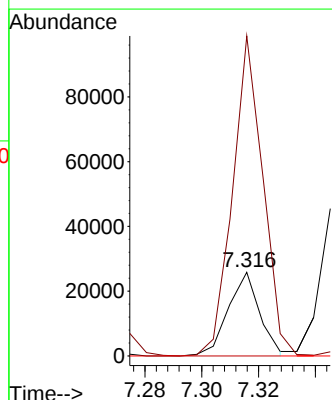
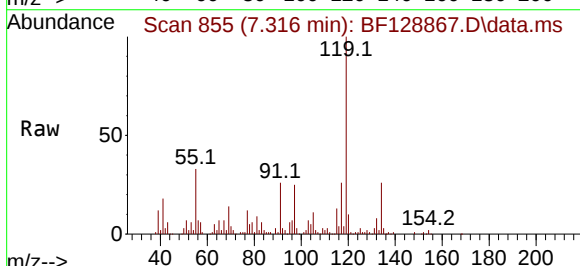
Tgt Ion: 117 Resp: 19935

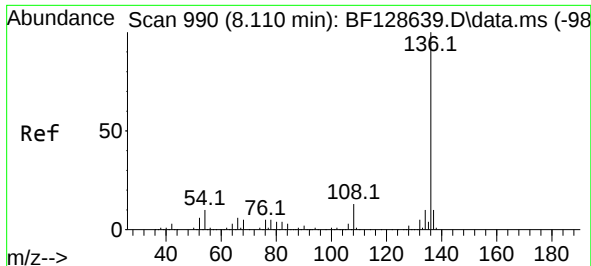
Ion Ratio Lower Upper

117 100

119 382.4 77.4 116.2#

201 0.0 84.6 127.0#

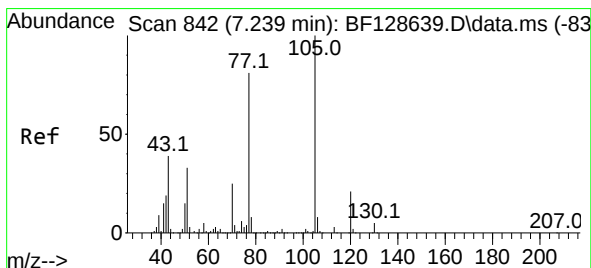
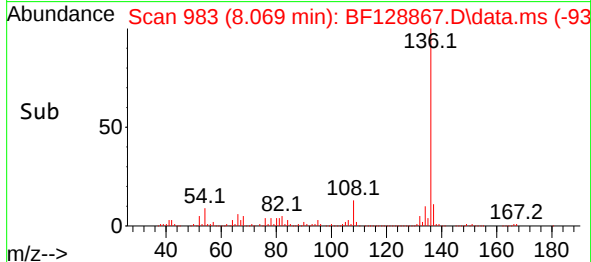
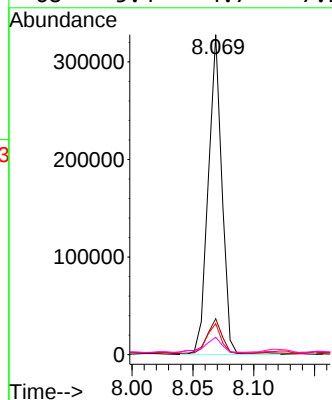
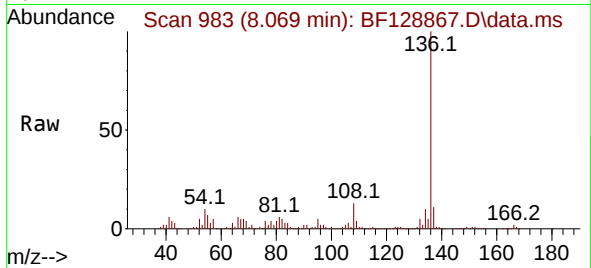




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

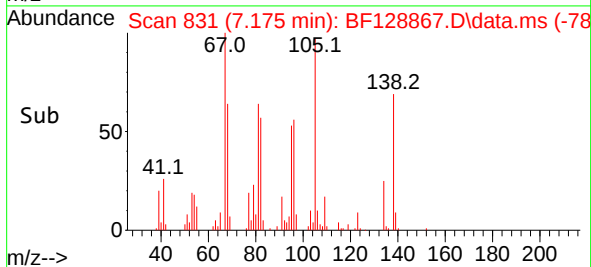
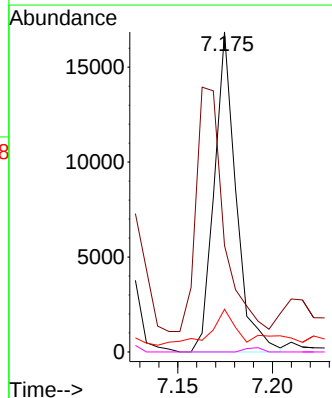
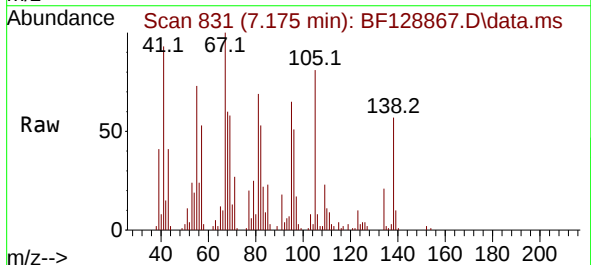
Instrument :
BNA_F
ClientSampleId :
SW-W-C1

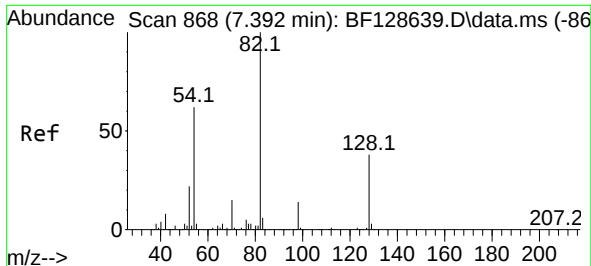
Tgt Ion:136 Resp: 253277
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.7 7.5 11.3
68 5.4 4.7 7.1



#22
Acetophenone
Concen: 2.043 ng
RT: 7.175 min Scan# 831
Delta R.T. -0.024 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:105 Resp: 13534
Ion Ratio Lower Upper
105 100
71 33.2 5.0 7.4#
51 13.3 25.0 37.4#
120 0.0 17.8 26.8#





#23

Nitrobenzene-d5

Concen: 2.988 ng

RT: 7.345 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

SW-W-C1

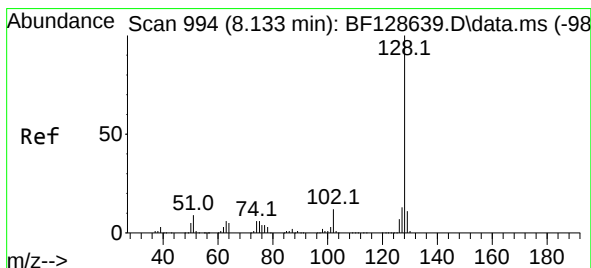
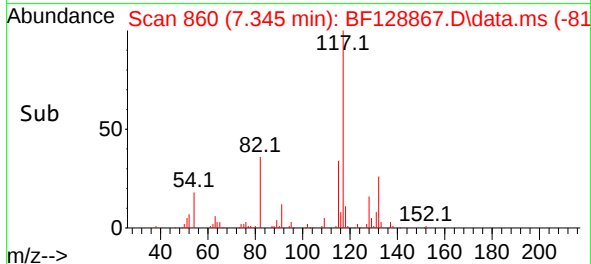
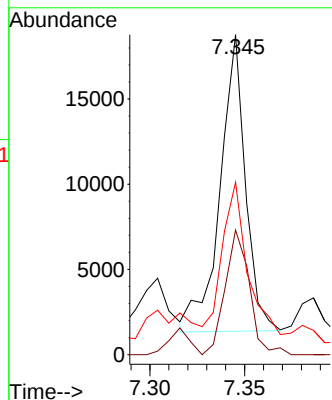
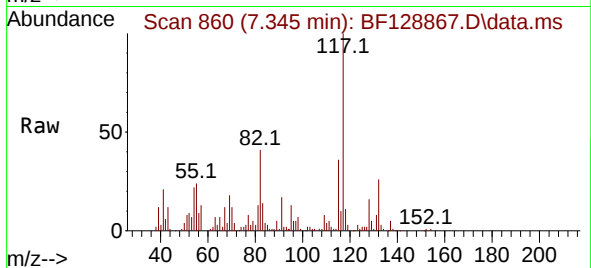
Tgt Ion: 82 Resp: 16254

Ion Ratio Lower Upper

82 100

128 39.0 34.0 51.0

54 53.9 46.9 70.3



#31

Naphthalene

Concen: 4.756 ng

RT: 8.092 min Scan# 987

Delta R.T. -0.000 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

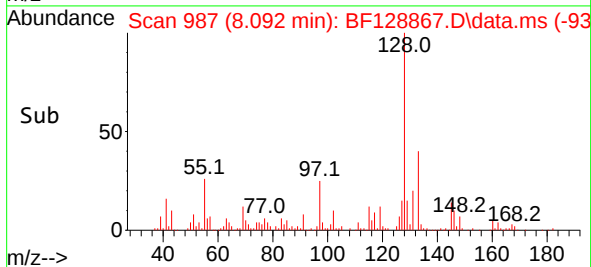
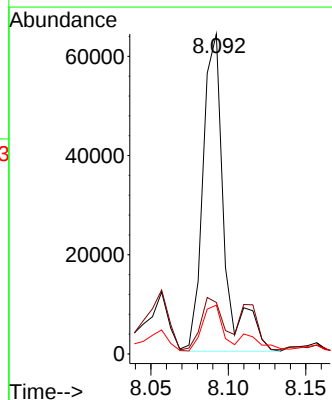
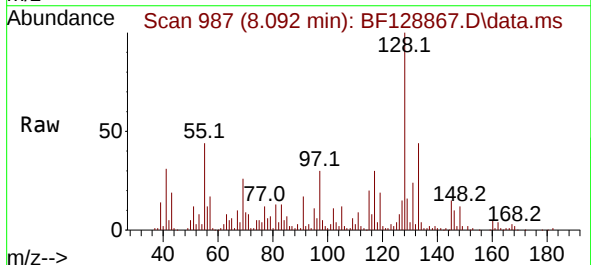
Tgt Ion: 128 Resp: 61822

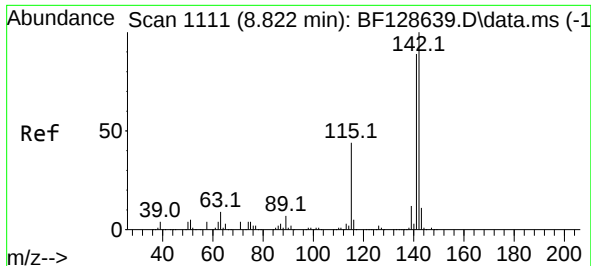
Ion Ratio Lower Upper

128 100

129 16.1 9.2 13.8#

127 15.2 10.5 15.7





#37

2-Methylnaphthalene

Concen: 26.472 ng

RT: 8.786 min Scan# 1111

Delta R.T. 0.006 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

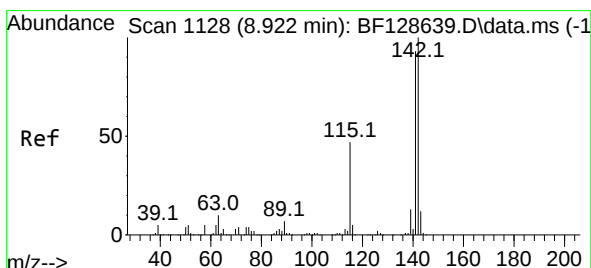
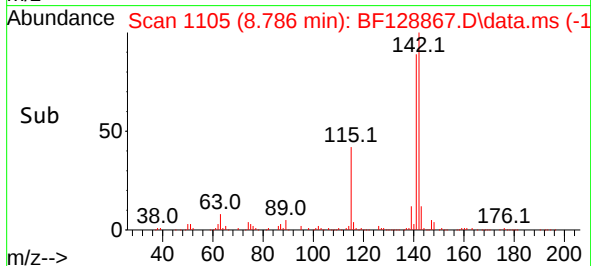
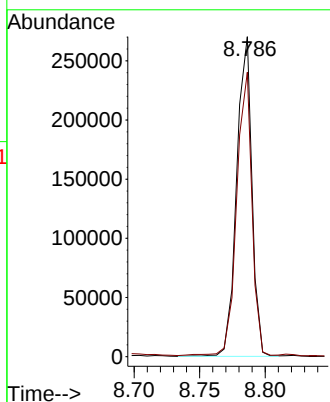
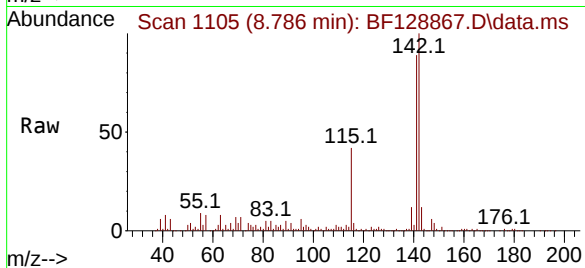
SW-W-C1

Tgt Ion:142 Resp: 218863

Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.4



#38

1-Methylnaphthalene

Concen: 24.831 ng

RT: 8.880 min Scan# 1121

Delta R.T. -0.000 min

Lab File: BF128867.D

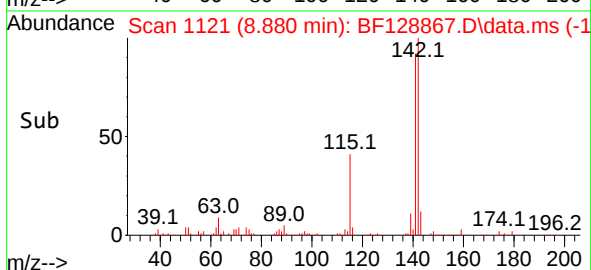
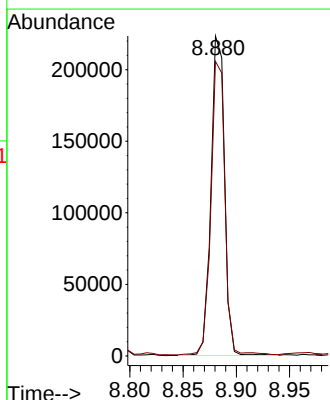
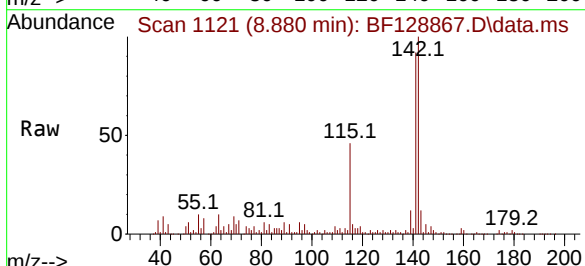
Acq: 17 Jun 2022 21:41

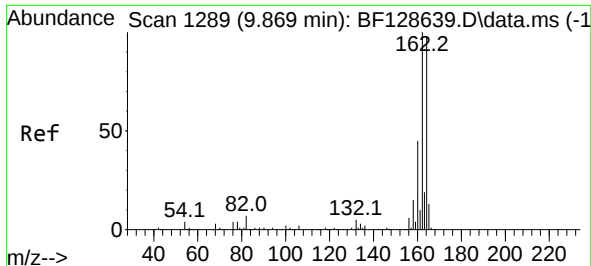
Tgt Ion:142 Resp: 198349

Ion Ratio Lower Upper

142 100

141 92.1 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

SW-W-C1

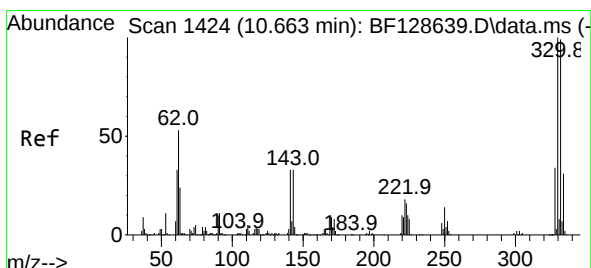
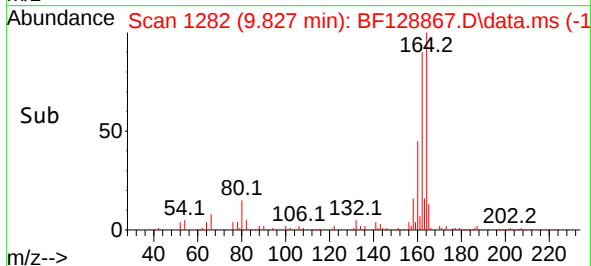
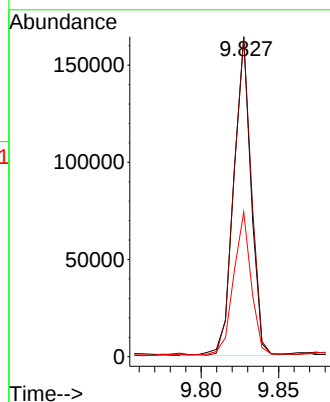
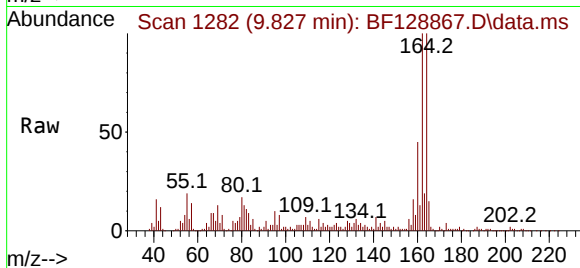
Tgt Ion:164 Resp: 127321

Ion Ratio Lower Upper

164 100

162 99.8 79.5 119.3

160 45.2 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 2.674 ng

RT: 10.621 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

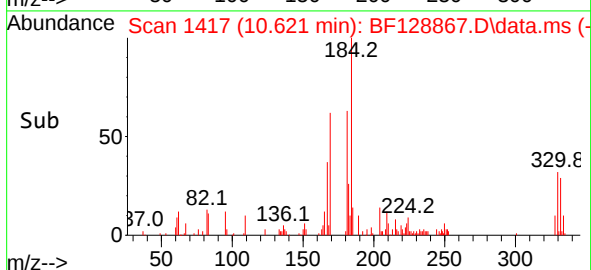
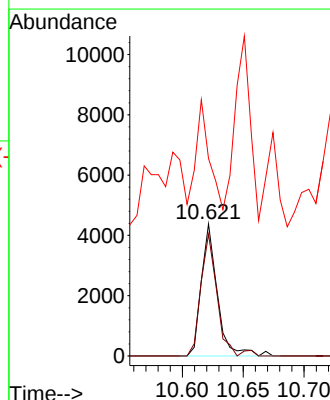
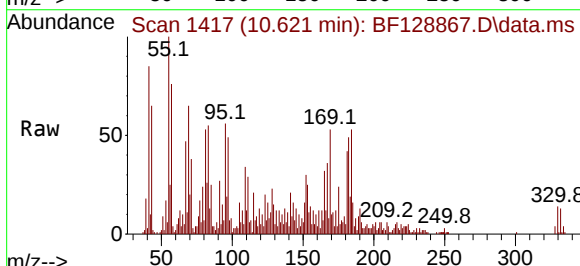
Tgt Ion:330 Resp: 4023

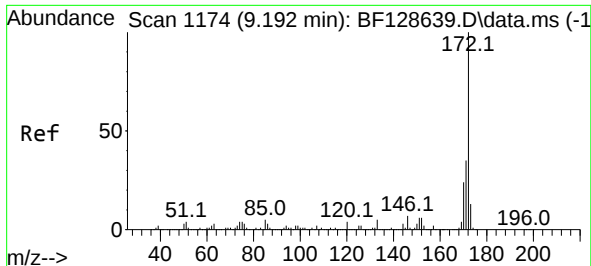
Ion Ratio Lower Upper

330 100

332 93.2 76.8 115.2

141 66.8 28.0 42.0#

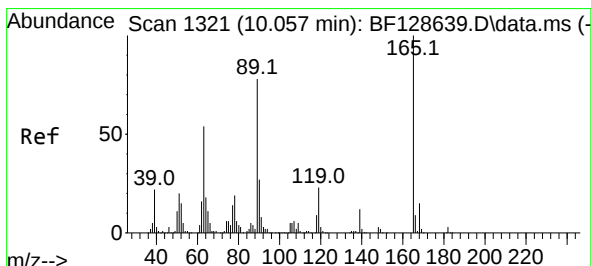
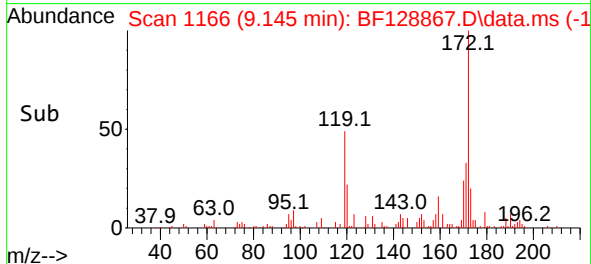
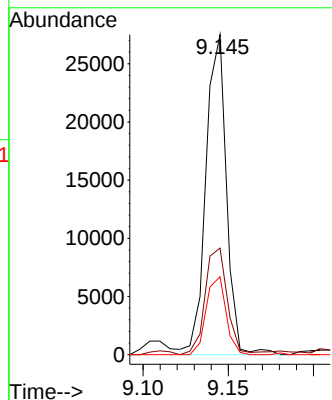
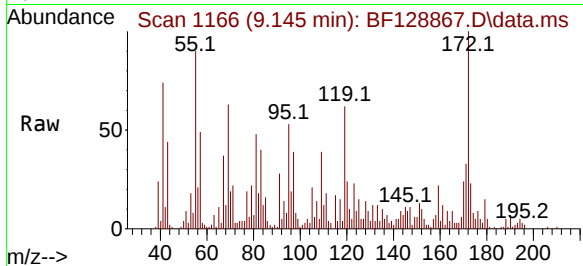




#45
2-Fluorobiphenyl
Concen: 2.532 ng
RT: 9.145 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

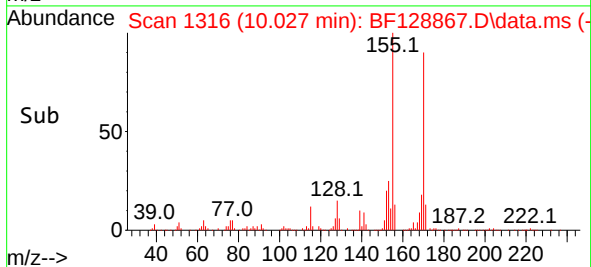
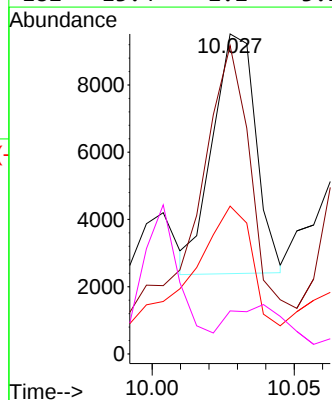
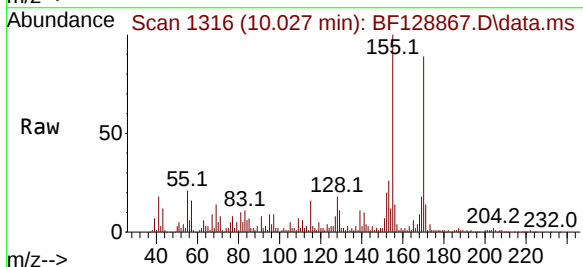
Instrument :
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SW-W-C1

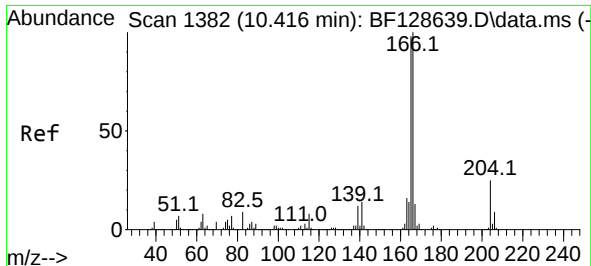
Tgt Ion:172 Resp: 23016
Ion Ratio Lower Upper
172 100
171 33.3 28.8 43.2
170 24.3 19.8 29.8



#57
2,4-Dinitrotoluene
Concen: 3.286 ng
RT: 10.027 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:165 Resp: 7543
Ion Ratio Lower Upper
165 100
63 96.3 39.8 59.6#
89 46.2 60.2 90.2#
182 13.4 2.2 3.2#

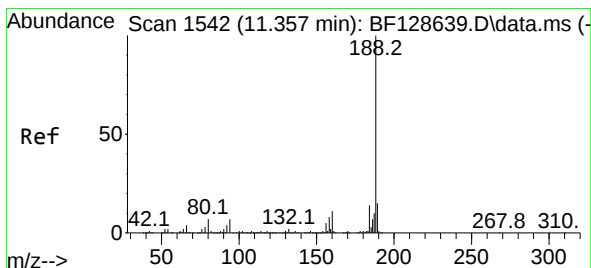
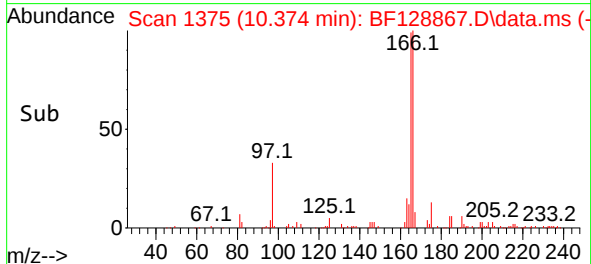
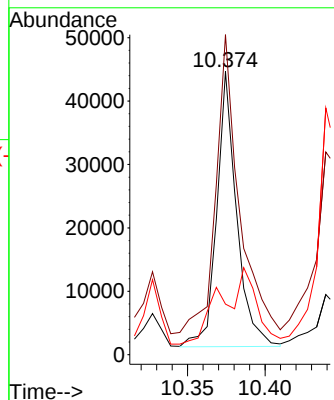
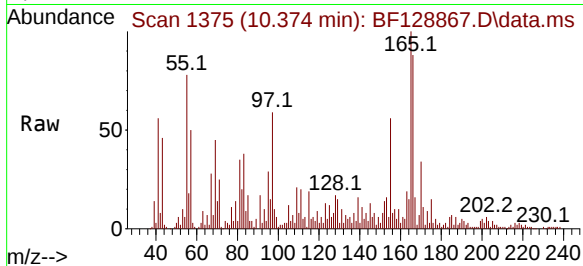




#58
Fluorene
Concen: 4.797 ng
RT: 10.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

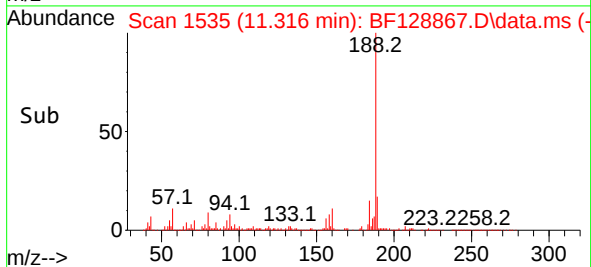
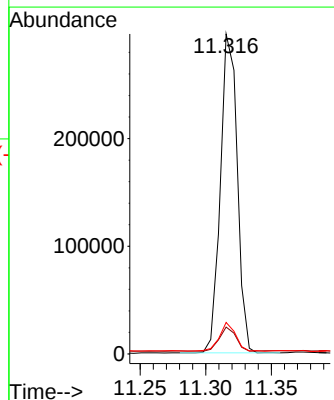
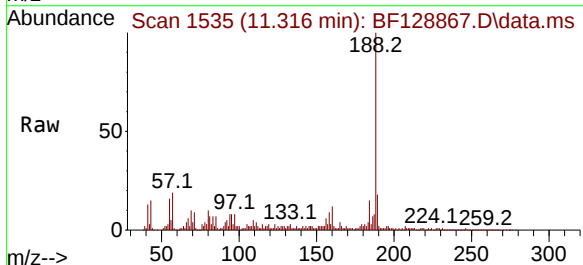
Instrument :
BNA_F
ClientSampleId :
SW-W-C1

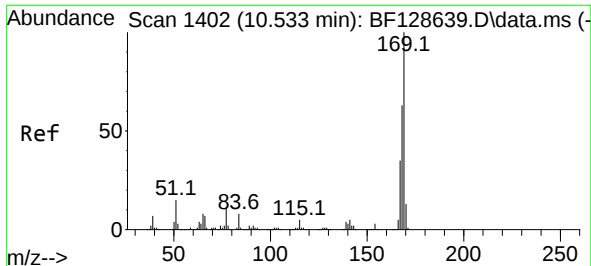
Tgt Ion:166 Resp: 38851
Ion Ratio Lower Upper
166 100
165 113.0 78.1 117.1
167 17.9 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:188 Resp: 264352
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.8 7.6 11.4

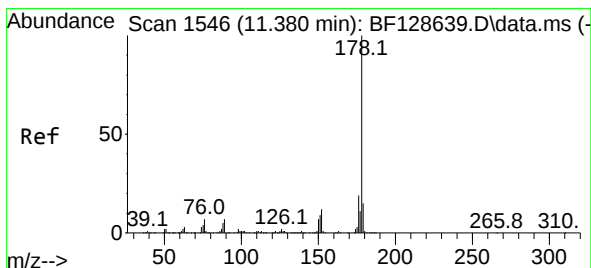
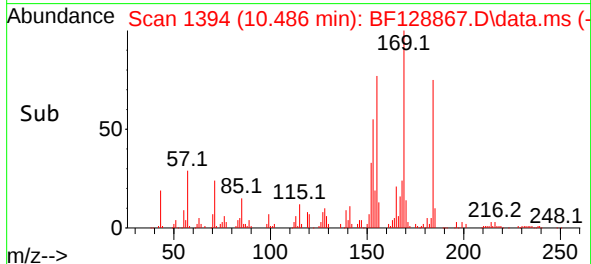
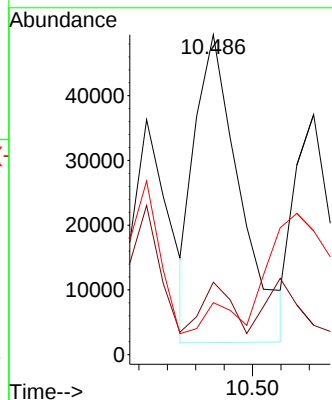
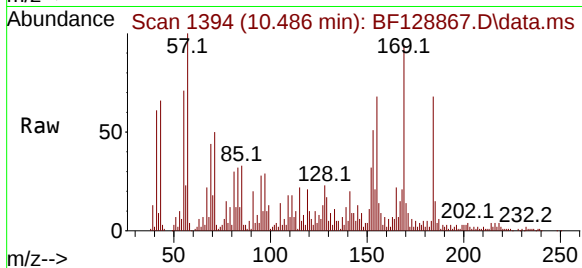




#66
n-Nitrosodiphenylamine
Concen: 6.442 ng
RT: 10.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

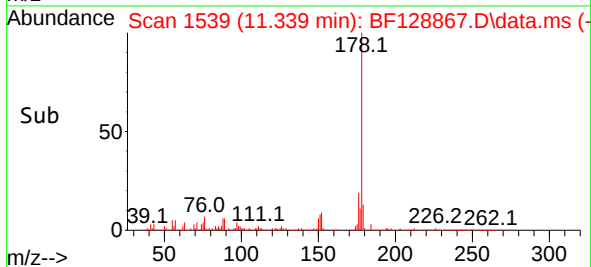
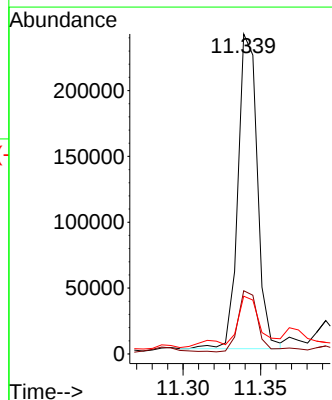
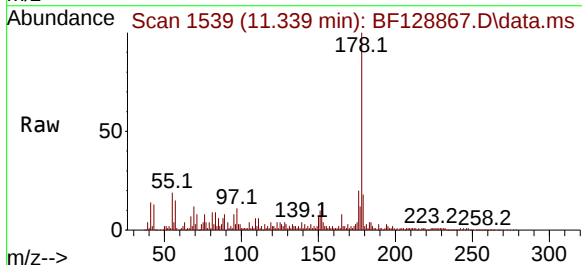
Instrument :
BNA_F
ClientSampleId :
SW-W-C1

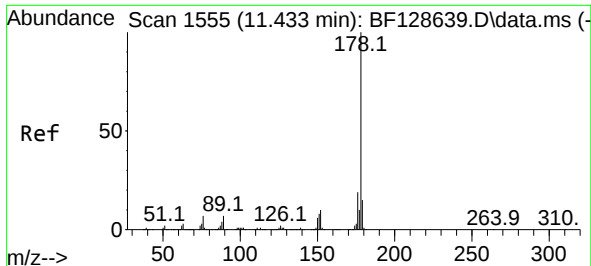
Tgt Ion:169 Resp: 52342
Ion Ratio Lower Upper
169 100
168 22.7 50.1 75.1#
167 16.3 27.9 41.9#



#71
Phenanthrene
Concen: 15.660 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:178 Resp: 207643
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 18.1 12.6 19.0

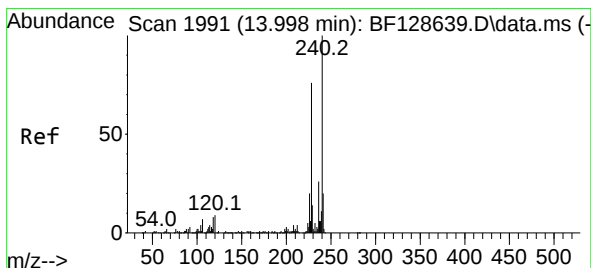
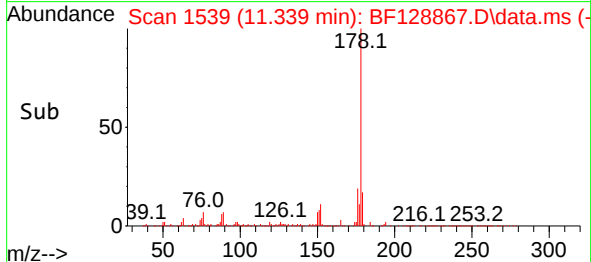
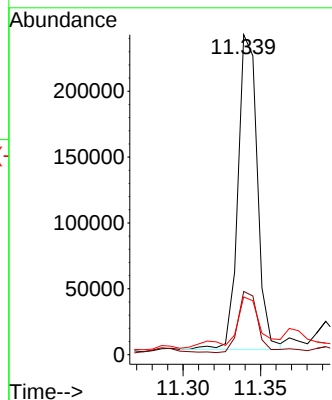
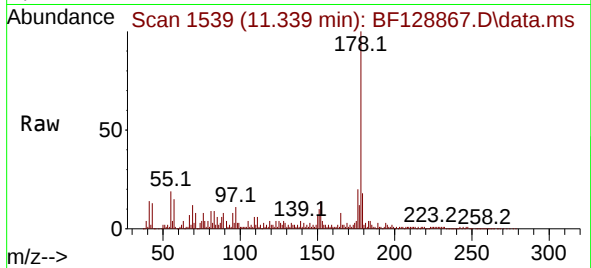




#72
 Anthracene
 Concen: 15.822 ng
 RT: 11.339 min Scan# 1539
 Delta R.T. -0.053 min
 Lab File: BF128867.D
 Acq: 17 Jun 2022 21:41

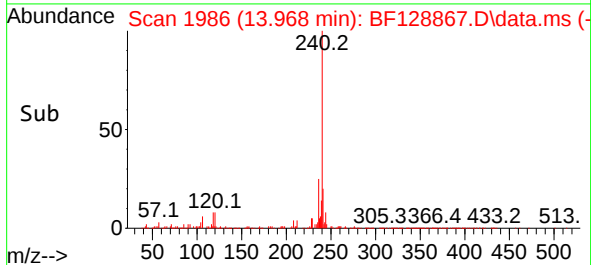
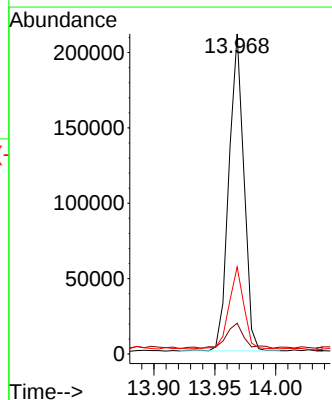
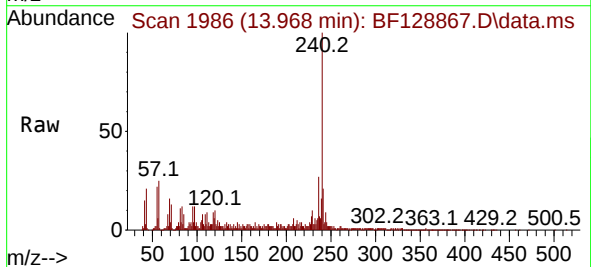
Instrument :
 BNA_F
 ClientSampleId :
 SW-W-C1

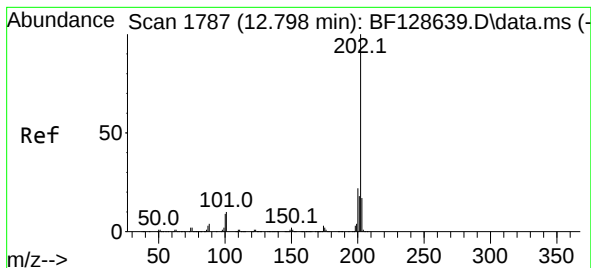
Tgt Ion:178 Resp: 207643
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 18.1 12.6 19.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.968 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: BF128867.D
 Acq: 17 Jun 2022 21:41

Tgt Ion:240 Resp: 179973
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.9 13.3
 236 27.2 20.8 31.2





#78

Pyrene

Concen: 6.840 ng

RT: 12.768 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

SW-W-C1

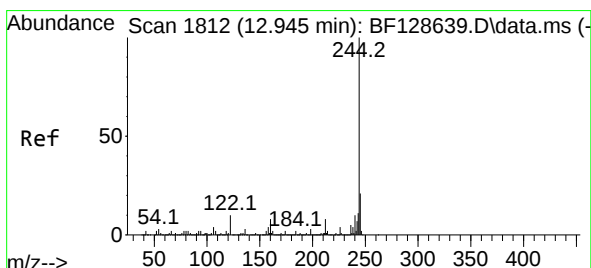
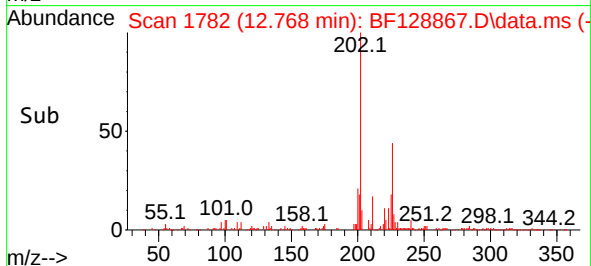
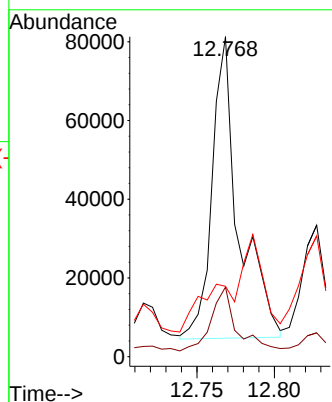
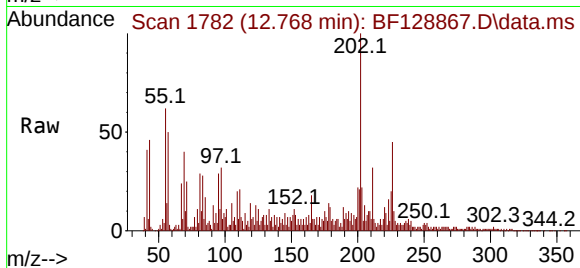
Tgt Ion:202 Resp: 91592

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

203 22.0 14.6 21.8#



#79

Terphenyl-d14

Concen: 2.934 ng

RT: 12.904 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

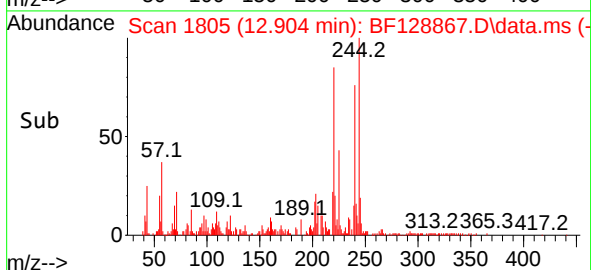
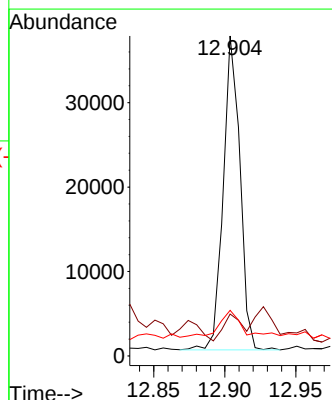
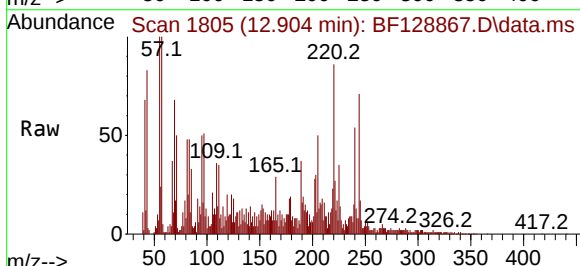
Tgt Ion:244 Resp: 30391

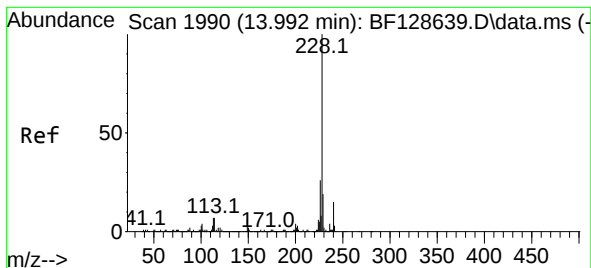
Ion Ratio Lower Upper

244 100

212 13.1 6.1 9.1#

122 14.3 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 2.361 ng

RT: 13.957 min Scan# 1984

Delta R.T. 0.006 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

Instrument :

BNA_F

ClientSampleId :

SW-W-C1

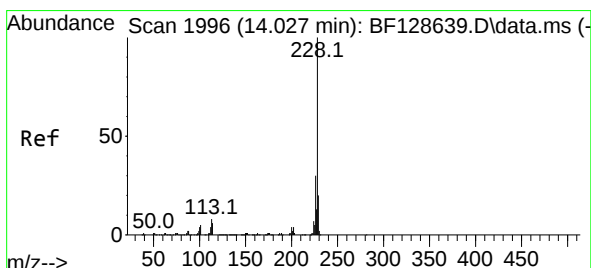
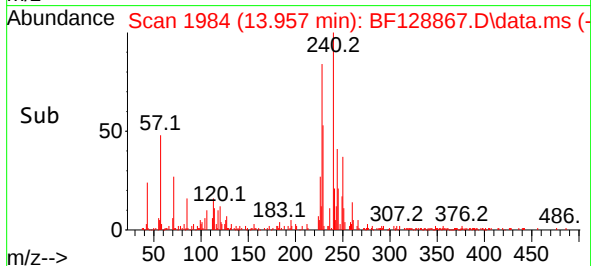
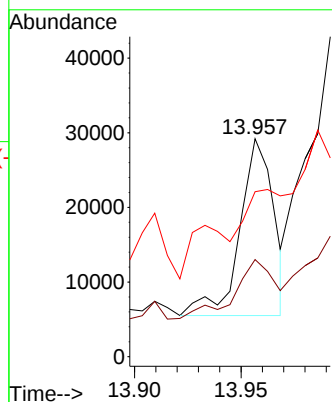
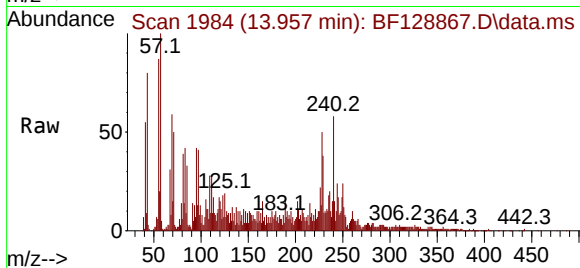
Tgt Ion:228 Resp: 26486

Ion Ratio Lower Upper

228 100

226 44.6 22.1 33.1#

229 75.7 15.8 23.8#



#83

Chrysene

Concen: 4.048 ng

RT: 13.992 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BF128867.D

Acq: 17 Jun 2022 21:41

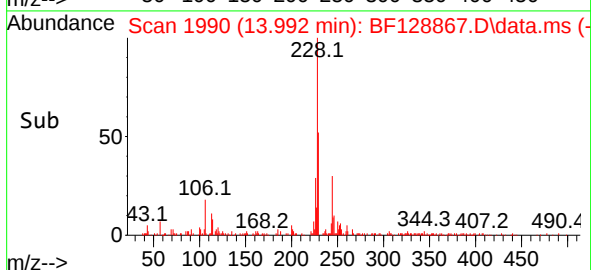
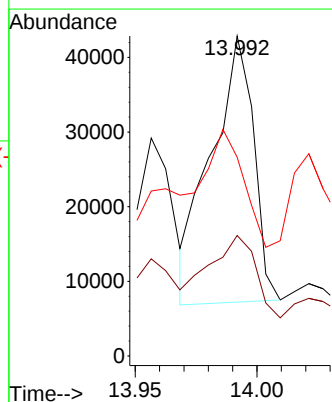
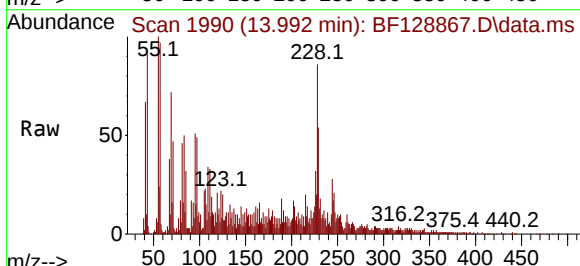
Tgt Ion:228 Resp: 43297

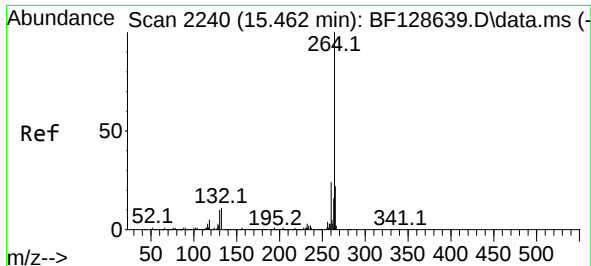
Ion Ratio Lower Upper

228 100

226 37.7 24.3 36.5#

229 62.1 15.9 23.9#

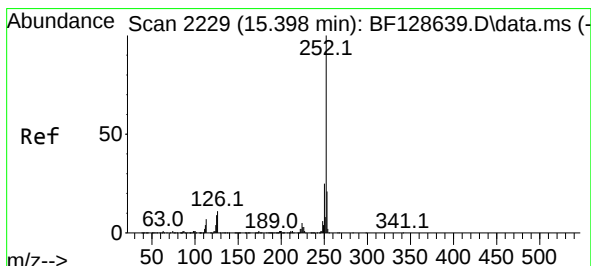
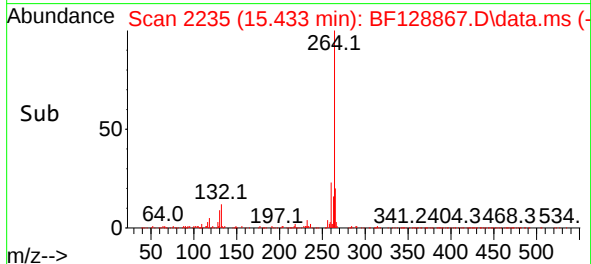
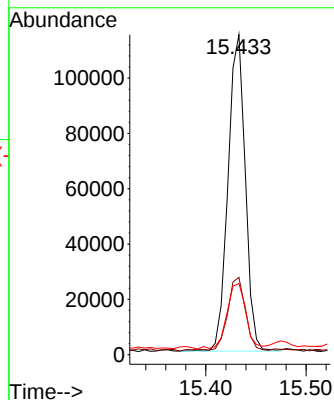
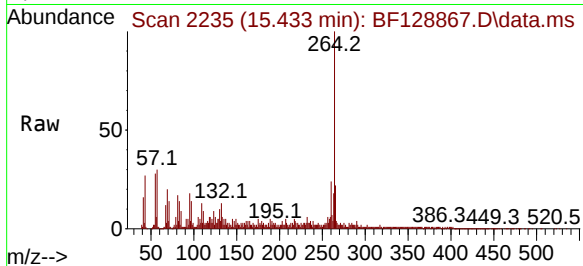




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Instrument :
BNA_F
ClientSampleId :
SW-W-C1

Tgt Ion:264 Resp: 136572
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 22.2 17.2 25.8



#90
Benzo(a)pyrene
Concen: 2.058 ng
RT: 15.368 min Scan# 2224
Delta R.T. 0.012 min
Lab File: BF128867.D
Acq: 17 Jun 2022 21:41

Tgt Ion:252 Resp: 14113
Ion Ratio Lower Upper
252 100
253 54.7 17.0 25.6#
125 64.5 8.8 13.2#

