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 Data File : BF128707.D
 Acq On : 06 Jun 2022 20:27
 Operator : CG\JU
 Sample : N3197-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322

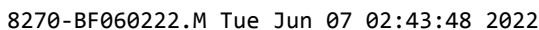
Quant Time: Jun 07 02:43:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

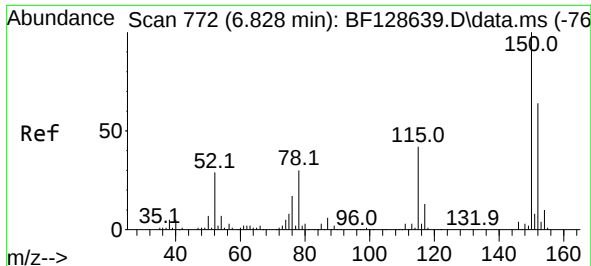
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	57764	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	188711	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	88437	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	164081	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	150091	20.000	ng	0.02
86) Perylene-d12	15.486	264	110331	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	260057	71.710	ng	0.00
7) Phenol-d6	6.493	99	304644	68.819	ng	0.00
23) Nitrobenzene-d5	7.381	82	208866	51.531	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	73407	70.251	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	336732	53.337	ng	-0.01
79) Terphenyl-d14	12.945	244	407655	47.195	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	29447	10.699	ng	# 84
25) Isophorone	7.381	82	208861	33.929	ng	# 65
31) Naphthalene	8.128	128	33099	3.418	ng	99
49) Acenaphthylene	9.722	152	44315	5.717	ng	98
51) 2,6-Dinitrotoluene	9.863	165	11925	9.981	ng	# 27
52) Acenaphthene	9.892	154	69157	13.700	ng	97
55) Dibenzofuran	10.063	168	46254	6.376	ng	# 87
56) 4-Nitrophenol	10.063	139	21538	22.914	ng	# 10
58) Fluorene	10.410	166	80172	14.250	ng	98
67) 4-Bromophenyl-phenylether	10.651	248	4600	2.514	ng	# 1
71) Phenanthrene	11.381	178	1202933	146.165	ng	100
72) Anthracene	11.428	178	522682	64.165	ng	99
73) Carbazole	11.586	167	50835	6.719	ng	98
75) Fluoranthene	12.598	202	5527121	642.482	ng	96
78) Pyrene	12.827	202	5082691	455.165	ng	97
81) Benzo(a)anthracene	14.010	228	2921445	312.264	ng	97
83) Chrysene	14.051	228	2124280	238.162	ng	96
84) Bis(2-ethylhexyl)phtha...	14.010	149	12760	2.093	ng	# 69
87) Indeno(1,2,3-cd)pyrene	16.974	276	1132702	170.332	ng	# 87
88) Benzo(b)fluoranthene	15.074	252	3708753	526.064	ng	98
89) Benzo(k)fluoranthene	15.074	252	3708753	559.229	ng	97
90) Benzo(a)pyrene	15.368	252	1212163	218.760	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	245854	44.571	ng	# 92
92) Benzo(g,h,i)perylene	17.421	276	1036424	189.584	ng	# 93

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

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QLast Update : Thu Jun 02 17:07:23 2022
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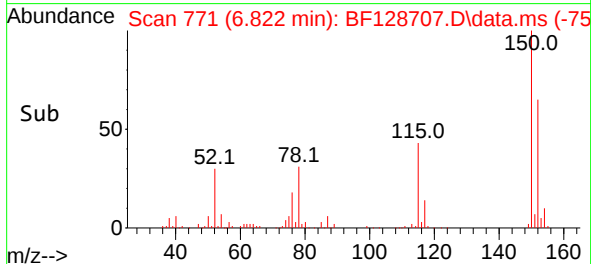
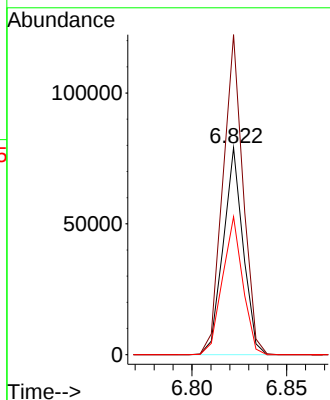
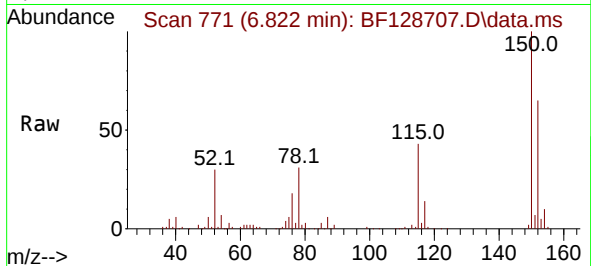




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128707.D
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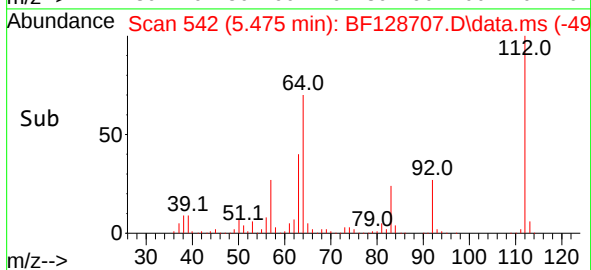
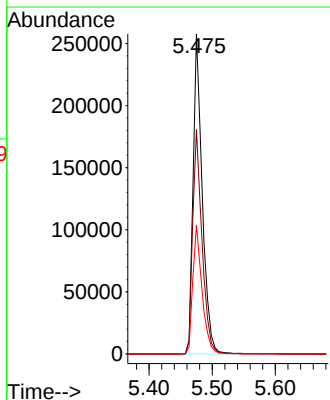
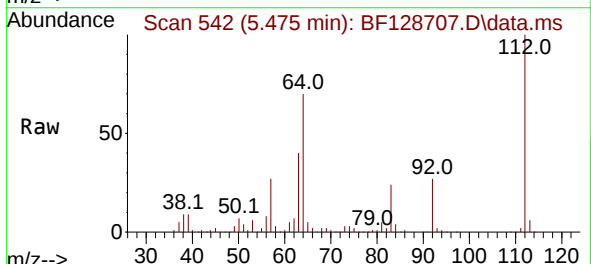
Instrument :
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ClientSampleId :
SU-4-060322

Tgt Ion:152 Resp: 57764
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 66.7 49.9 74.9



#5
2-Fluorophenol
Concen: 71.710 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.000 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:112 Resp: 260057
Ion Ratio Lower Upper
112 100
64 70.1 53.3 79.9
63 40.3 28.0 42.0

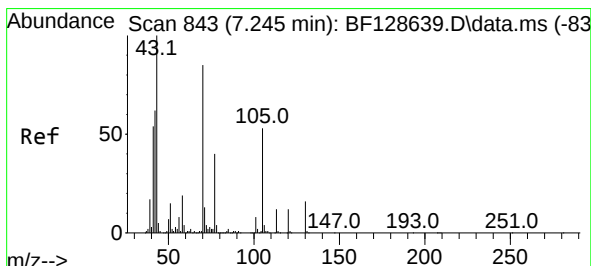
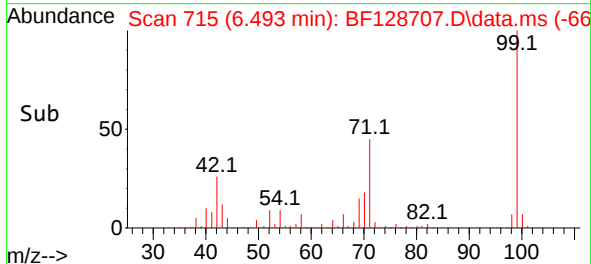
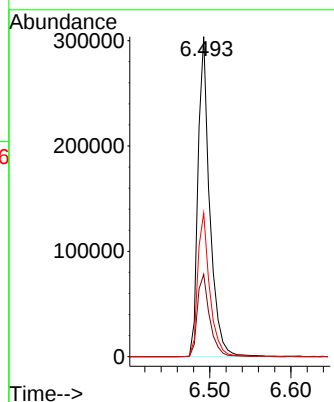
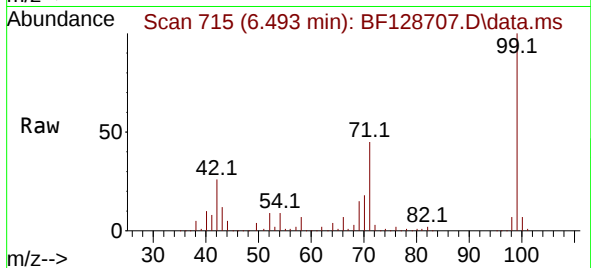




#7
Phenol-d6
Concen: 68.819 ng
RT: 6.493 min Scan# 716
Delta R.T. -0.005 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

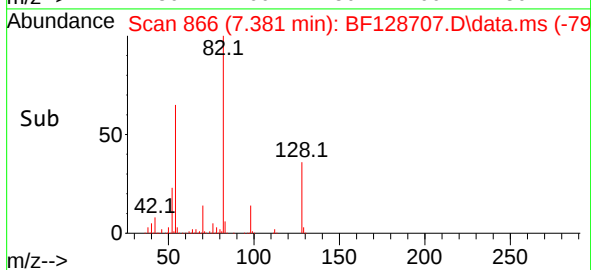
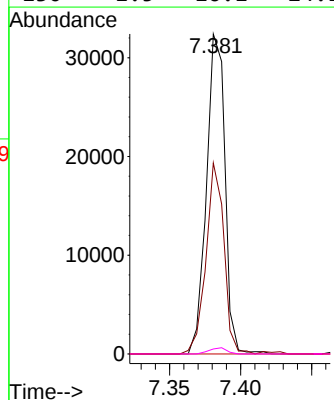
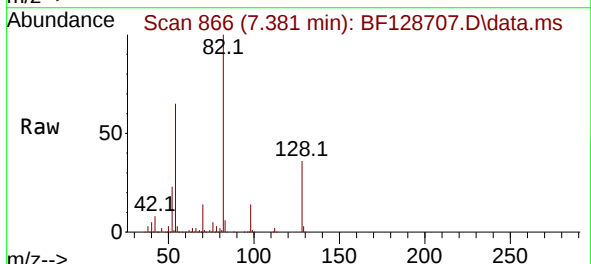
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ClientSampleId :
SU-4-060322

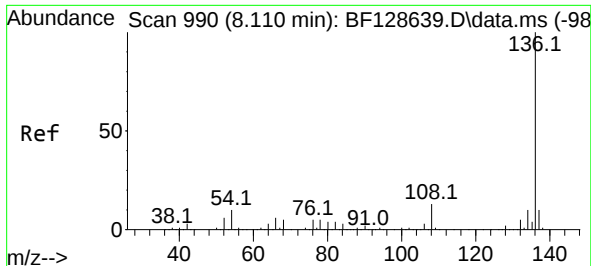
Tgt Ion: 99 Resp: 304644
Ion Ratio Lower Upper
99 100
42 25.8 17.3 25.9
71 44.9 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 10.699 ng
RT: 7.381 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

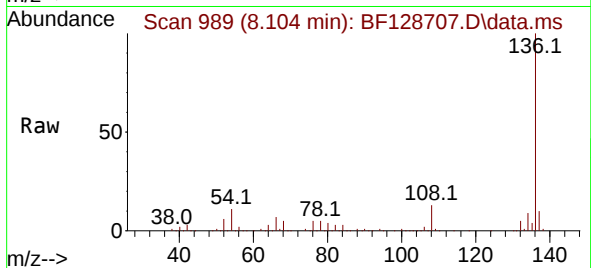
Tgt Ion: 70 Resp: 29447
Ion Ratio Lower Upper
70 100
42 59.7 52.3 78.5
101 0.0 7.5 11.3#
130 1.5 16.1 24.1#



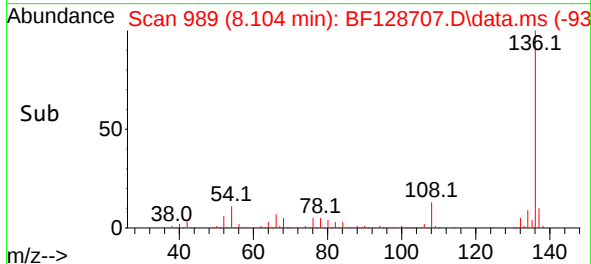
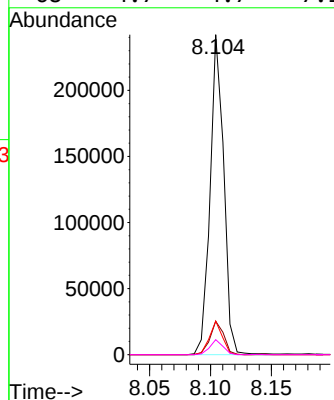


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

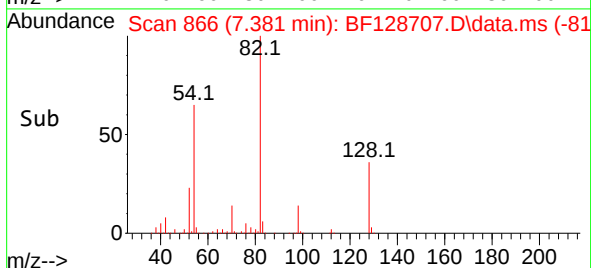
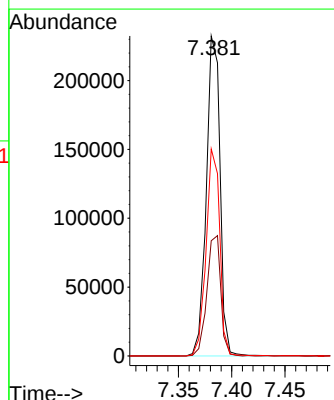
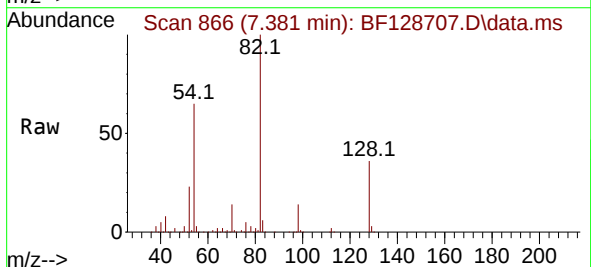


Tgt Ion:136 Resp: 188711
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.5 7.5 11.3
68 4.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 51.531 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.011 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion: 82 Resp: 208866
Ion Ratio Lower Upper
82 100
128 36.0 34.0 51.0
54 64.7 46.9 70.3

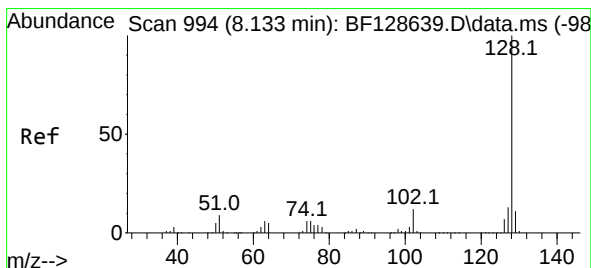
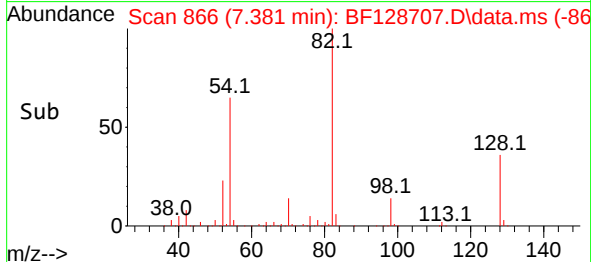
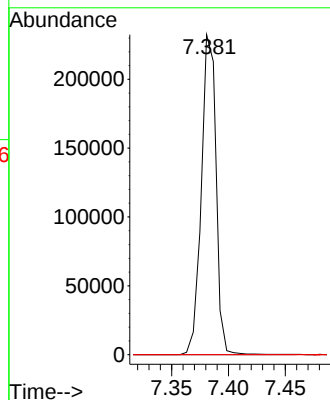
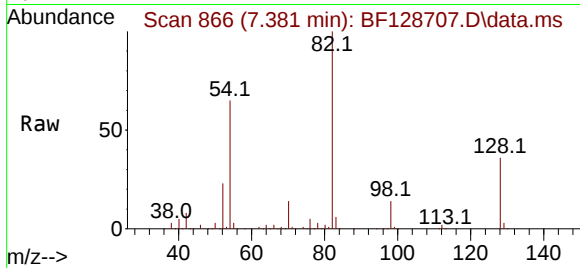




#25
Isophorone
Concen: 33.929 ng
RT: 7.381 min Scan# 80
Delta R.T. -0.270 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

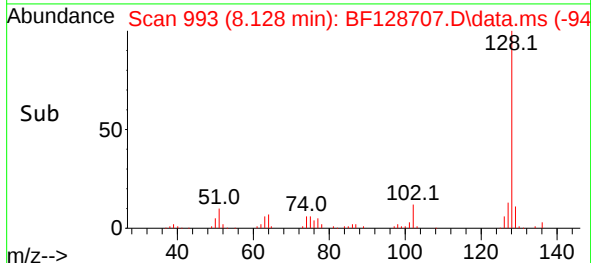
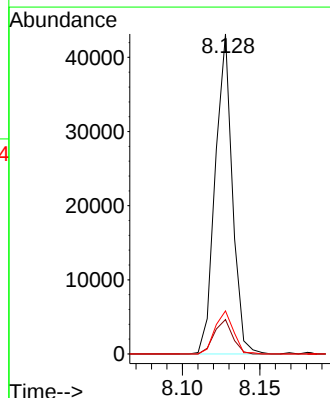
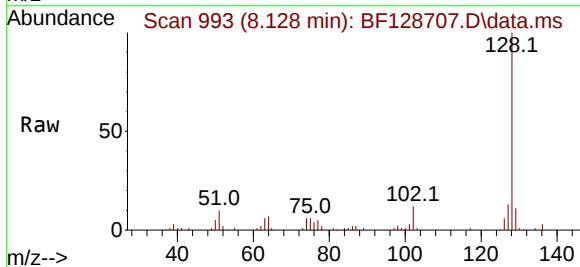
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SU-4-060322

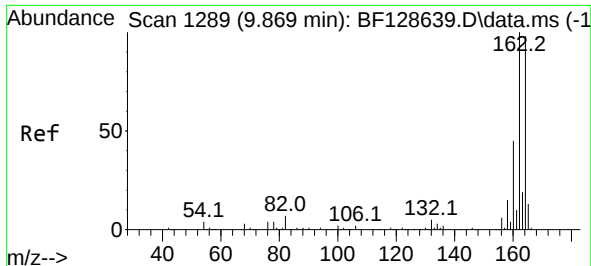
Tgt Ion: 82 Resp: 208861
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.418 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion: 128 Resp: 33099
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.5 10.5 15.7

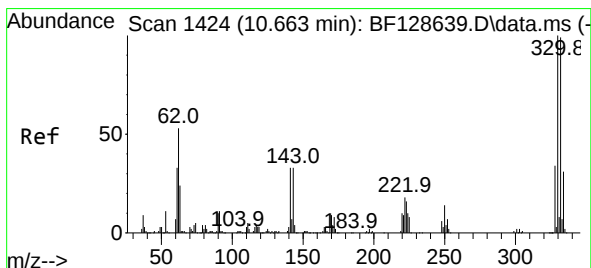
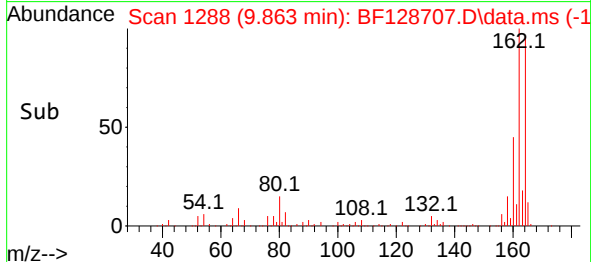
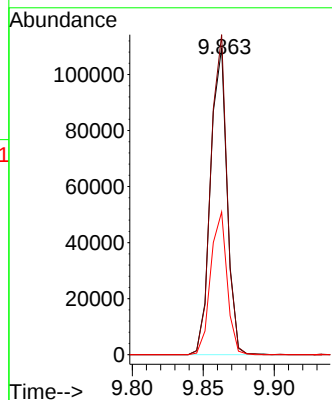
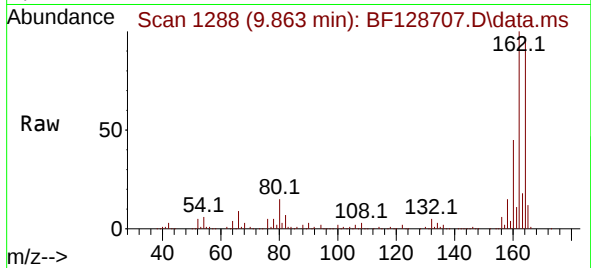




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

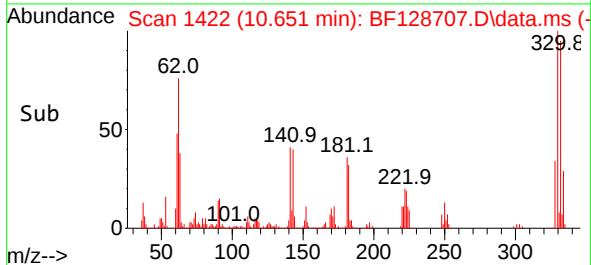
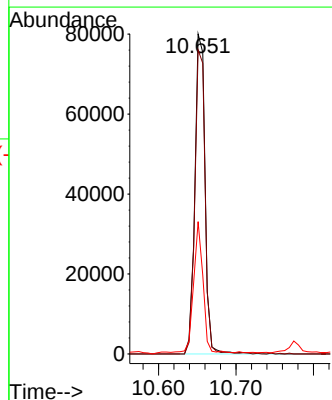
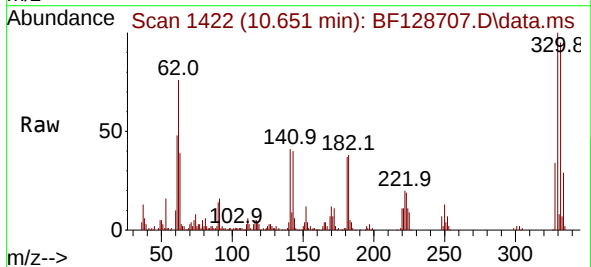
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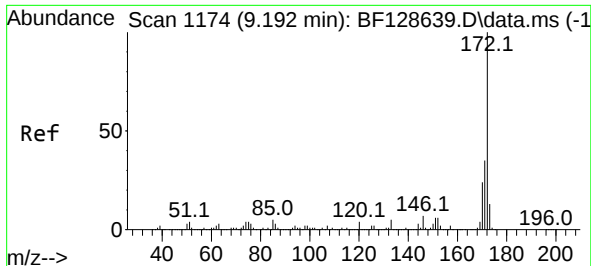
Tgt Ion:164 Resp: 88437
Ion Ratio Lower Upper
164 100
162 104.2 79.5 119.3
160 46.5 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 70.251 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:330 Resp: 73407
Ion Ratio Lower Upper
330 100
332 95.3 76.8 115.2
141 40.1 28.0 42.0

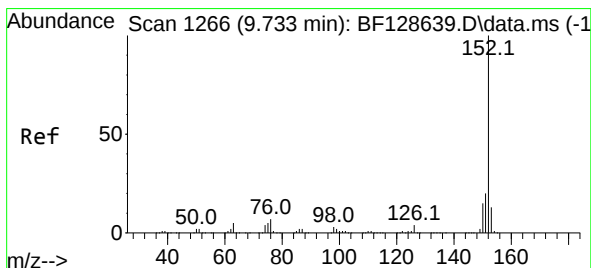
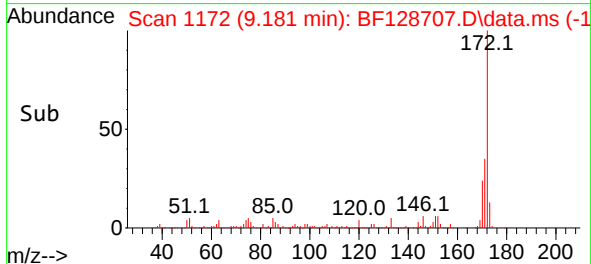
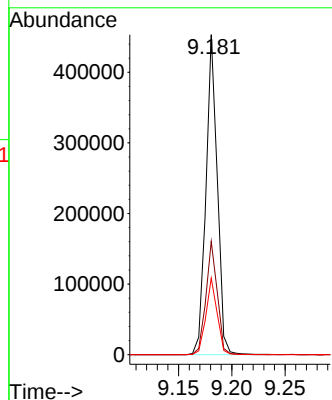
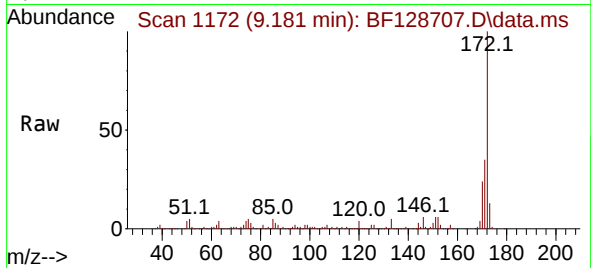




#45
2-Fluorobiphenyl
Concen: 53.337 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

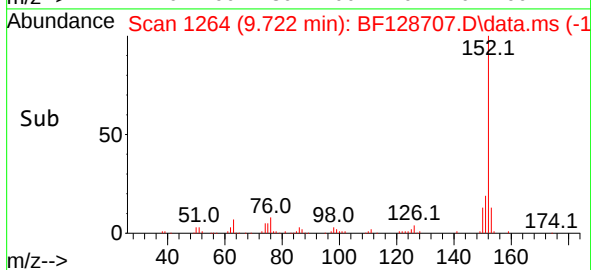
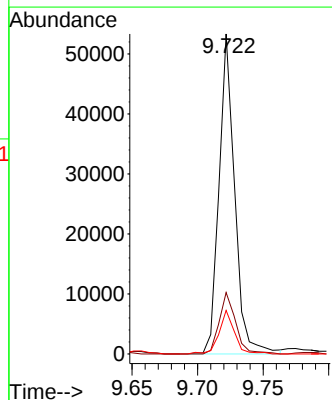
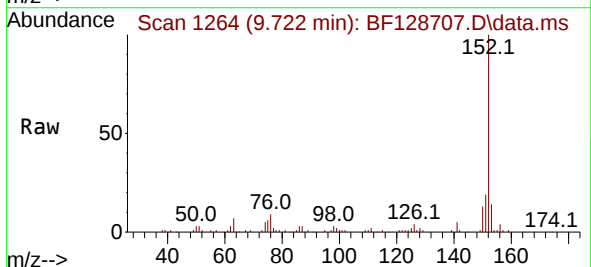
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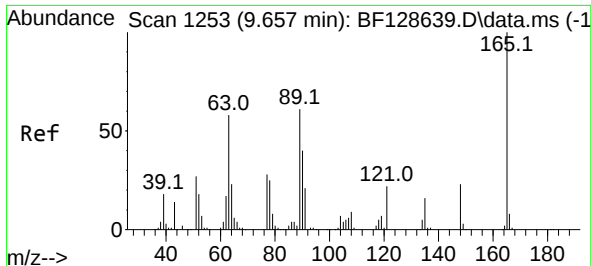
Tgt Ion:172 Resp: 336732
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 19.8 29.8



#49
Acenaphthylene
Concen: 5.717 ng
RT: 9.722 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:152 Resp: 44315
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.6 10.7 16.1





#51

2,6-Dinitrotoluene

Concen: 9.981 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

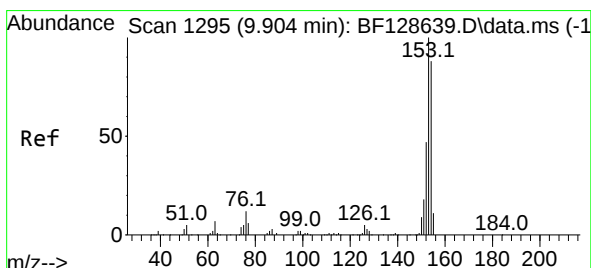
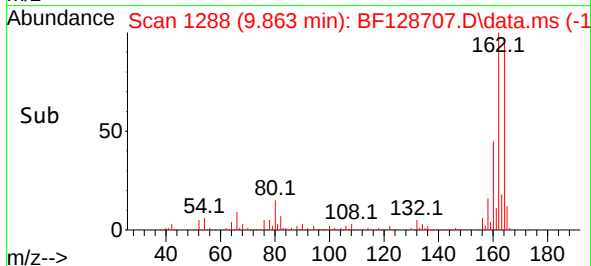
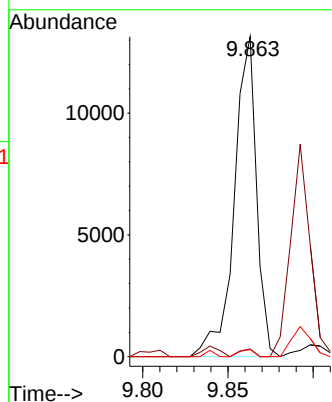
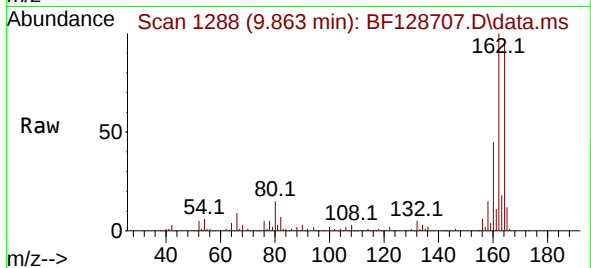
Tgt Ion:165 Resp: 11925

Ion Ratio Lower Upper

165 100

63 2.4 44.9 67.3#

89 2.3 43.6 65.4#



#52

Acenaphthene

Concen: 13.700 ng

RT: 9.892 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

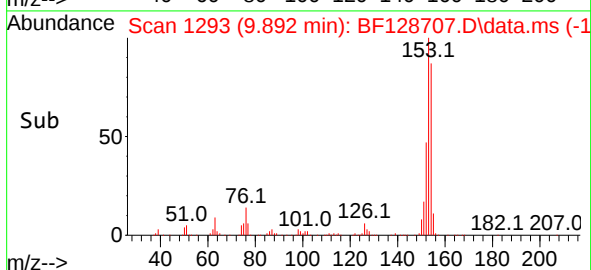
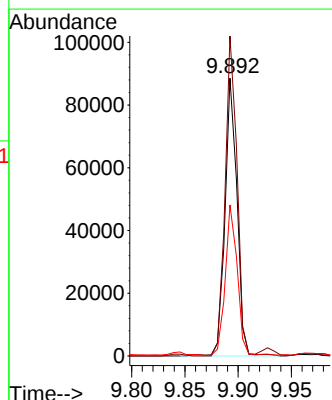
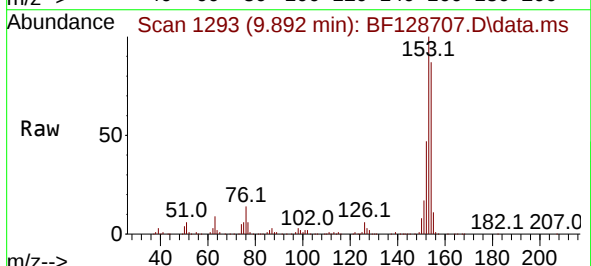
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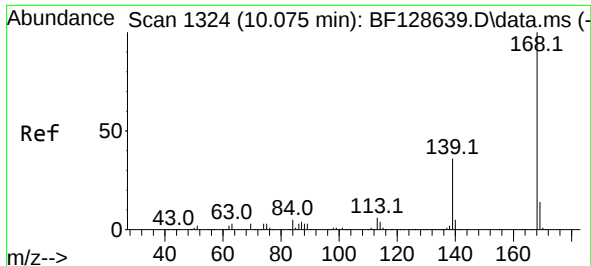
Ion Ratio Lower Upper

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153 115.2 89.6 134.4

152 54.3 42.4 63.6

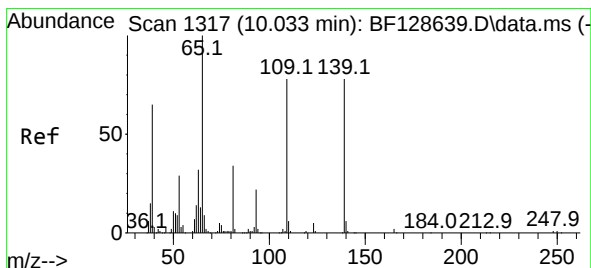
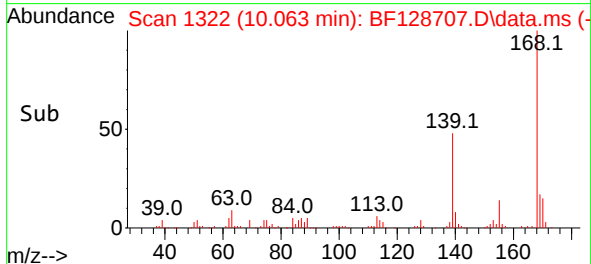
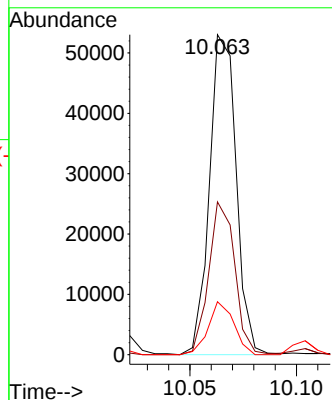
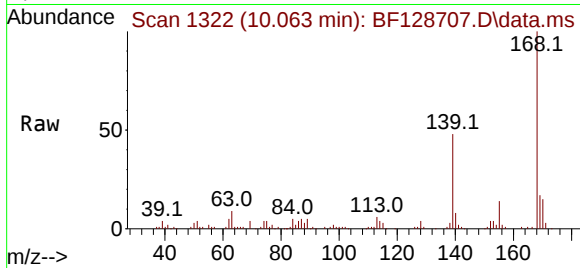




#55
Dibenzenofuran
Concen: 6.376 ng
RT: 10.063 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

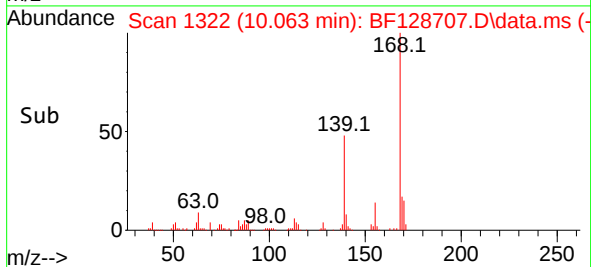
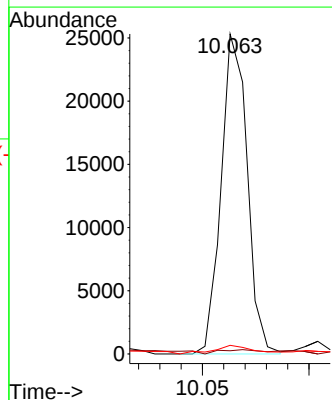
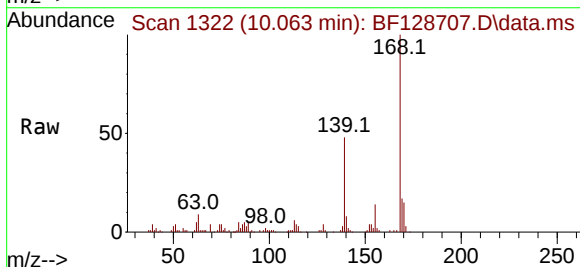
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

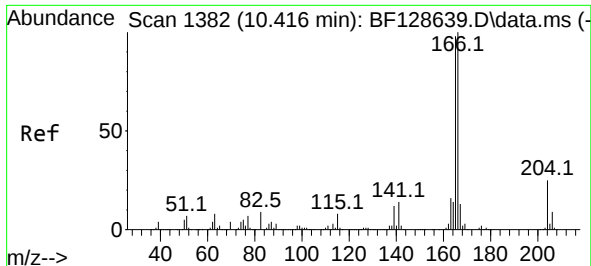
Tgt Ion:168 Resp: 46254
Ion Ratio Lower Upper
168 100
139 47.7 30.6 46.0#
169 16.5 11.0 16.6



#56
4-Nitrophenol
Concen: 22.914 ng
RT: 10.063 min Scan# 1322
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:139 Resp: 21538
Ion Ratio Lower Upper
139 100
109 1.0 50.7 90.7#
65 2.7 74.5 114.5#

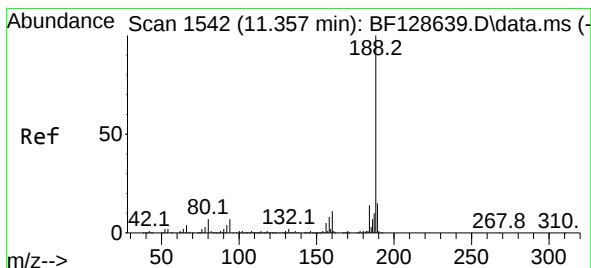
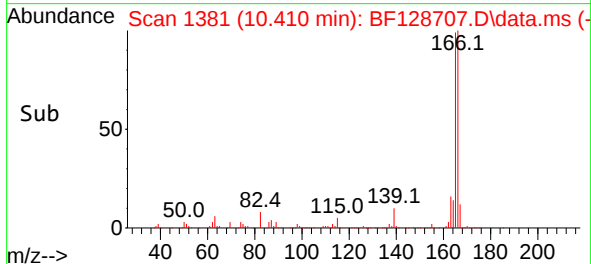
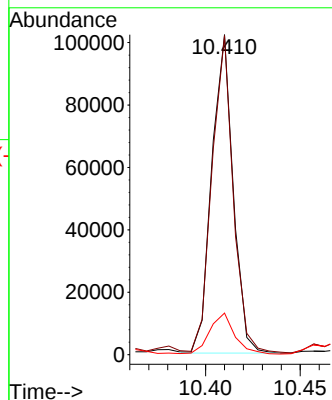
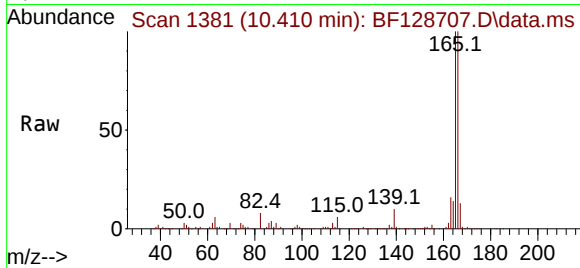




#58
Fluorene
Concen: 14.250 ng
RT: 10.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

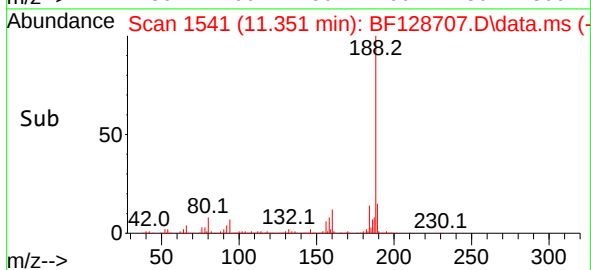
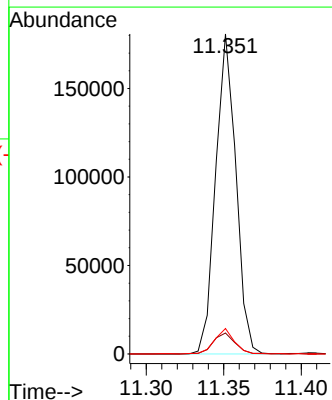
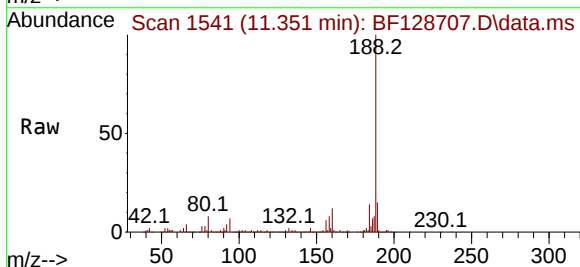
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

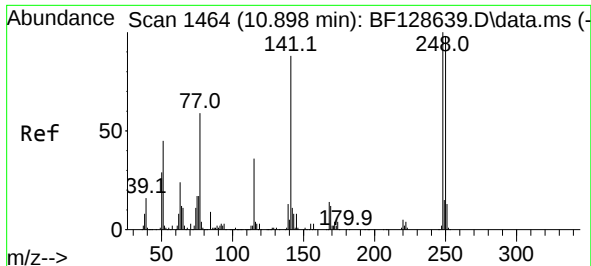
Tgt Ion:166 Resp: 80172
Ion Ratio Lower Upper
166 100
165 99.7 78.1 117.1
167 13.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:188 Resp: 164081
Ion Ratio Lower Upper
188 100
94 6.5 7.0 10.6#
80 7.9 7.6 11.4

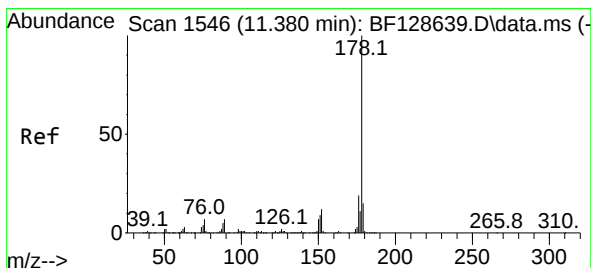
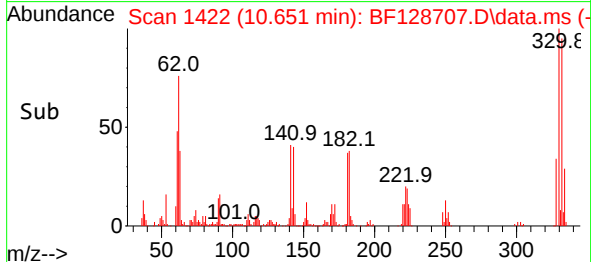
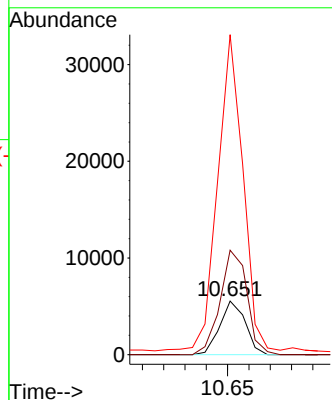
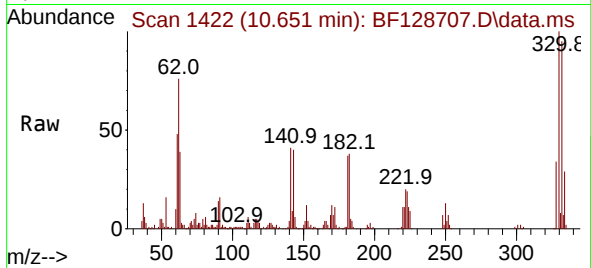




#67
4-Bromophenyl-phenylether
Concen: 2.514 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.247 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

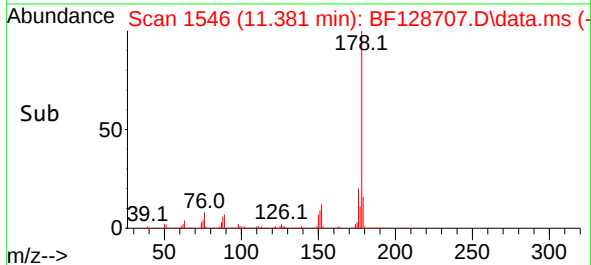
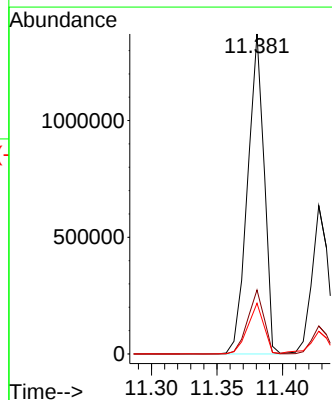
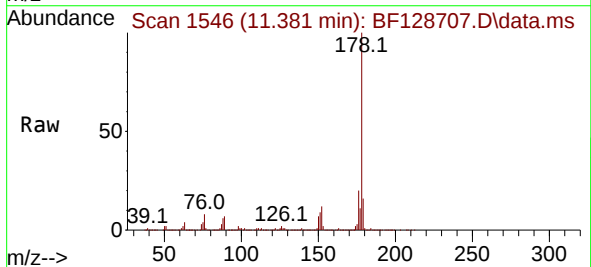
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

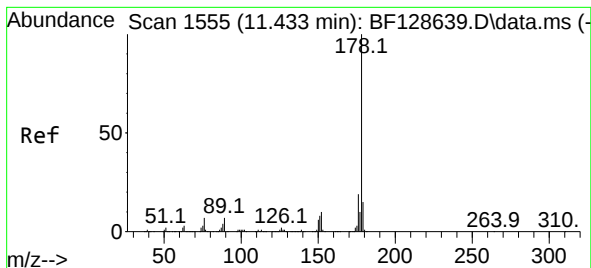
Tgt Ion:248 Resp: 4600
Ion Ratio Lower Upper
248 100
250 194.9 80.6 120.8#
141 597.1 58.9 88.3#



#71
Phenanthrene
Concen: 146.165 ng
RT: 11.381 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:178 Resp: 1202933
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 12.6 19.0





#72

Anthracene

Concen: 64.165 ng

RT: 11.428 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

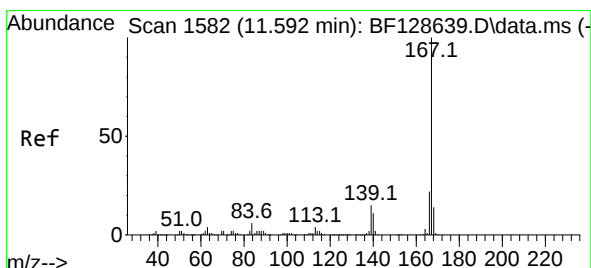
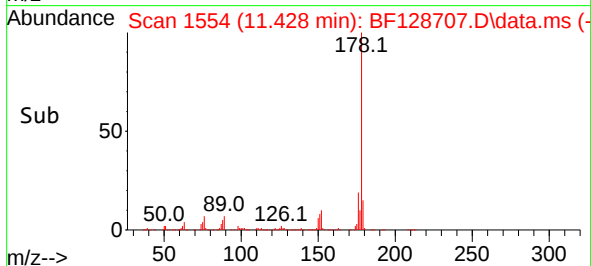
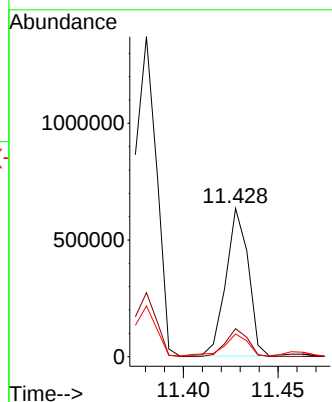
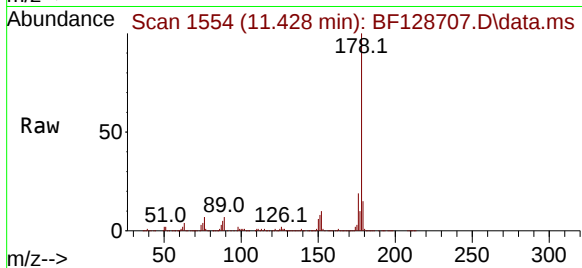
Tgt Ion:178 Resp: 522682

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.3 12.6 19.0



#73

Carbazole

Concen: 6.719 ng

RT: 11.586 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

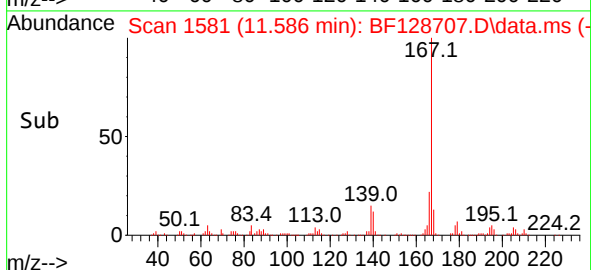
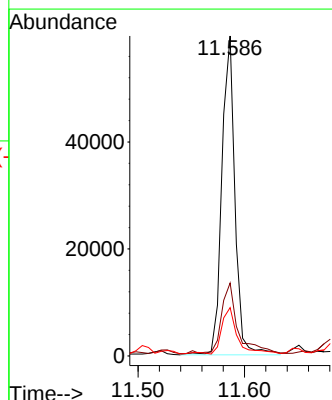
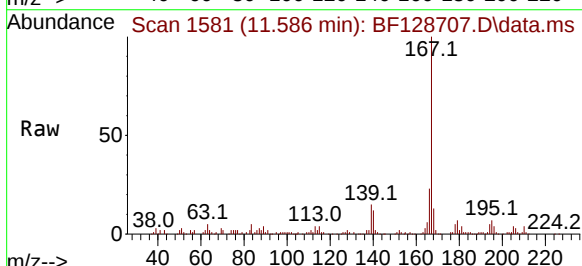
Tgt Ion:167 Resp: 50835

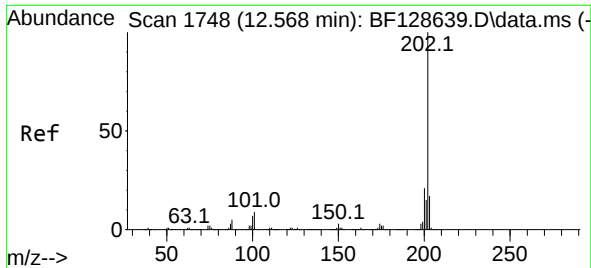
Ion Ratio Lower Upper

167 100

166 22.8 17.7 26.5

139 15.1 11.2 16.8

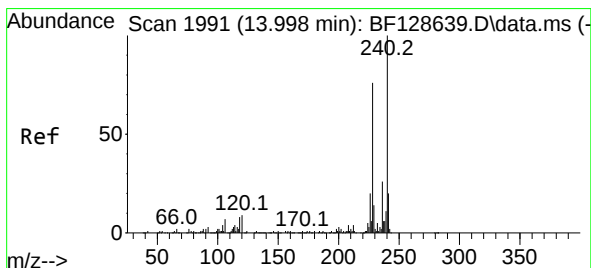
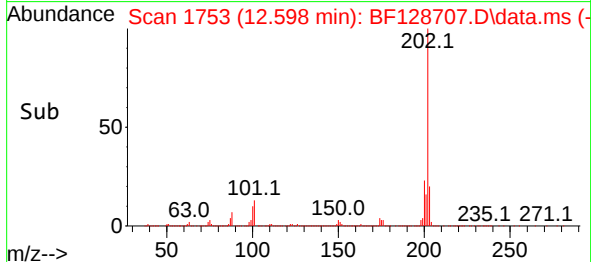
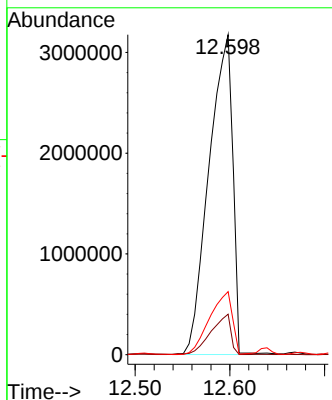
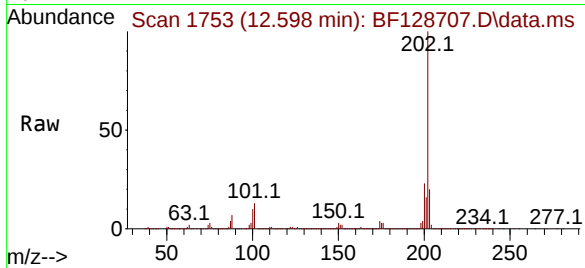




#75
Fluoranthene
Concen: 642.482 ng
RT: 12.598 min Scan# 1753
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

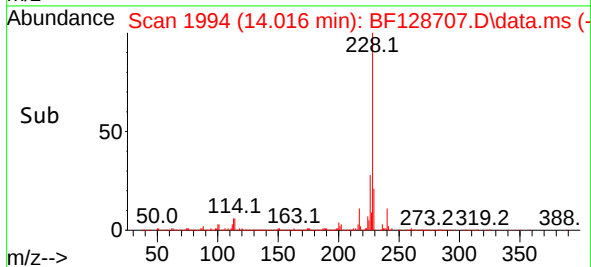
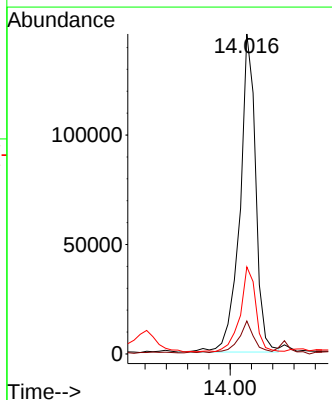
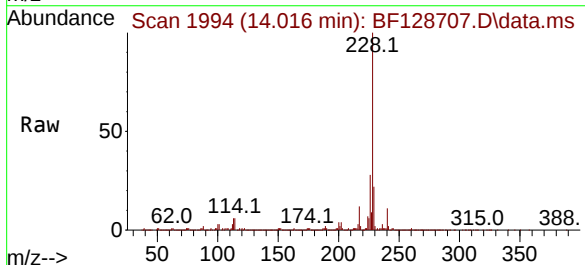
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

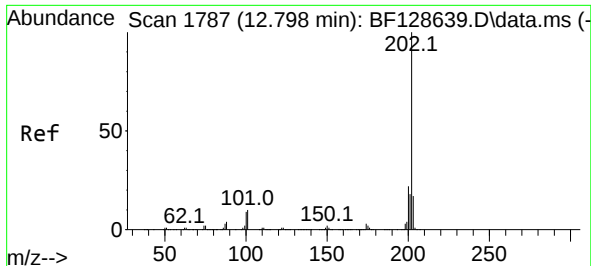
Tgt Ion:202 Resp: 5527121
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.4
203 19.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.018 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:240 Resp: 150091
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 27.2 20.8 31.2

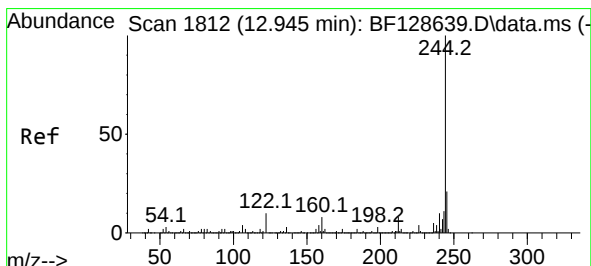
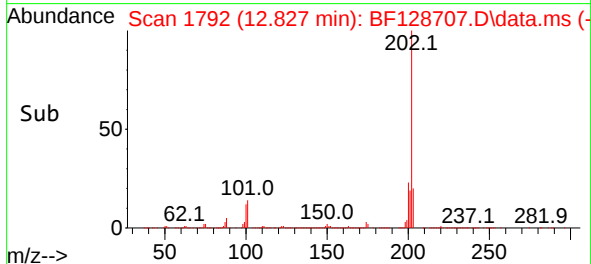
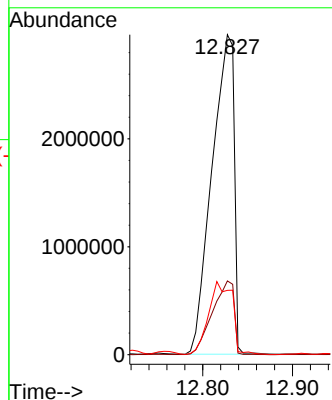
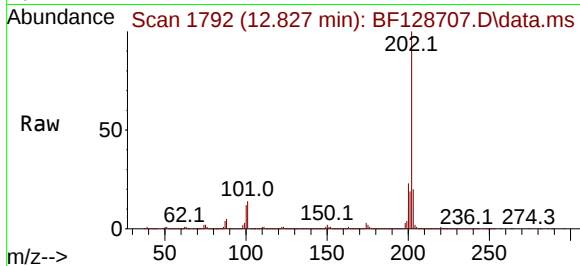




#78
Pyrene
Concen: 455.165 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

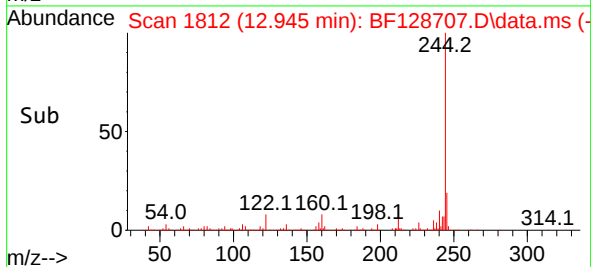
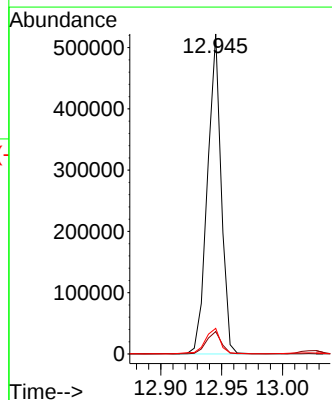
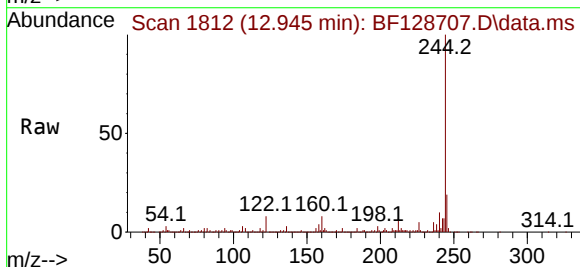
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

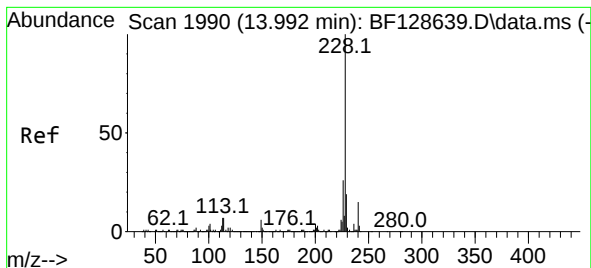
Tgt Ion:202 Resp: 5082691
Ion Ratio Lower Upper
202 100
200 23.1 17.7 26.5
203 20.1 14.6 21.8



#79
Terphenyl-d14
Concen: 47.195 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:244 Resp: 407655
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 8.0 8.8 13.2#





#81

Benzo(a)anthracene

Concen: 312.264 ng

RT: 14.010 min Scan# 1993

Delta R.T. 0.018 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

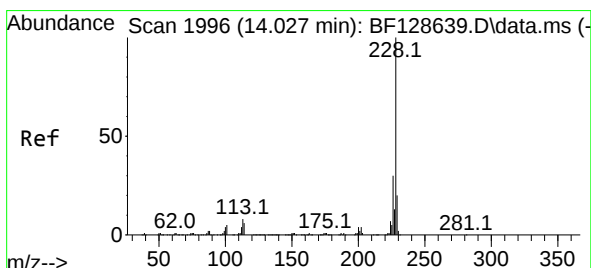
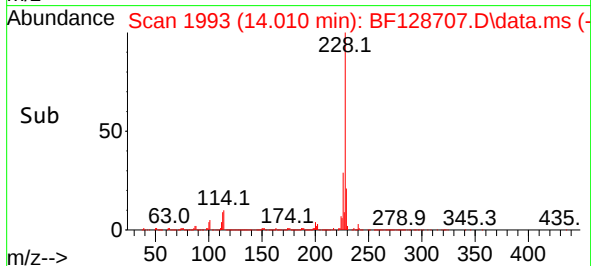
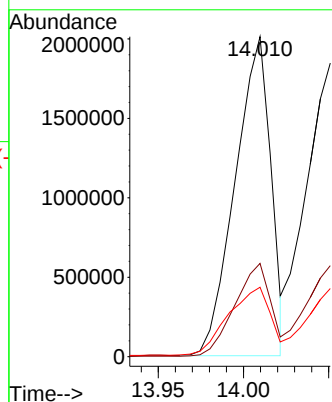
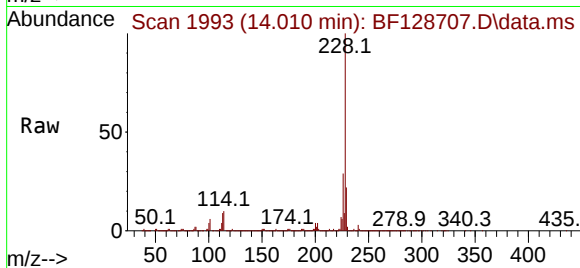
Tgt Ion:228 Resp: 2921445

Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 21.7 15.8 23.8



#83

Chrysene

Concen: 238.162 ng

RT: 14.051 min Scan# 2000

Delta R.T. 0.024 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

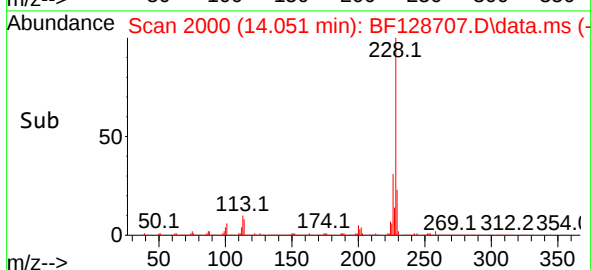
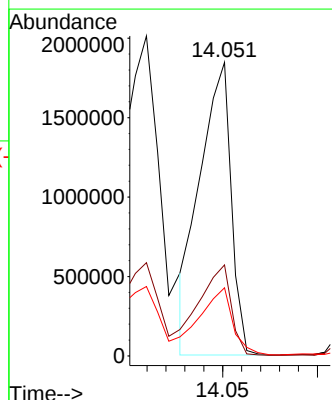
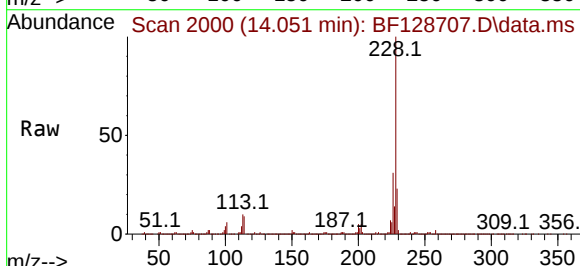
Tgt Ion:228 Resp: 2124280

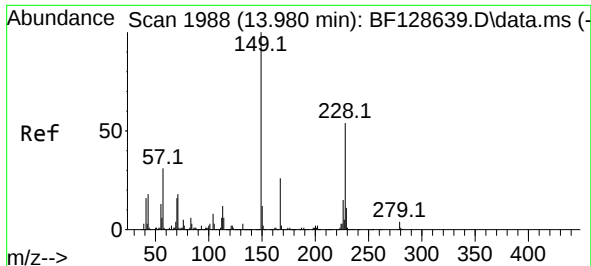
Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 23.2 15.9 23.9

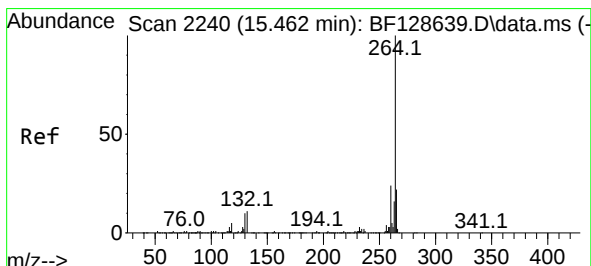
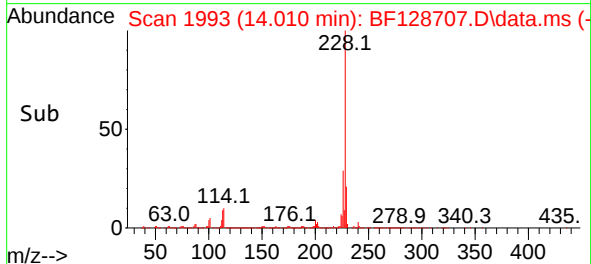
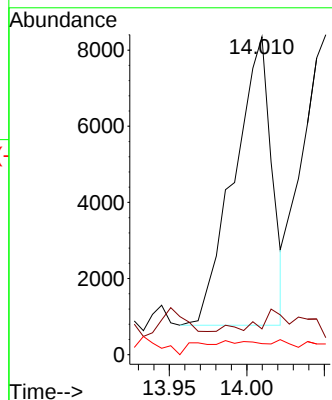
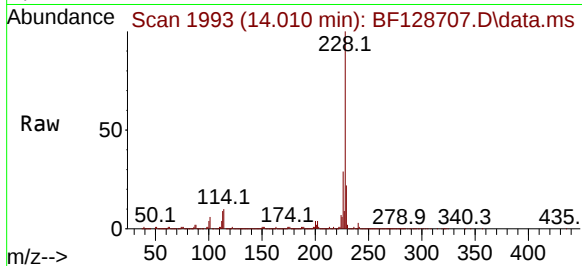




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.093 ng
RT: 14.010 min Scan# 1988
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

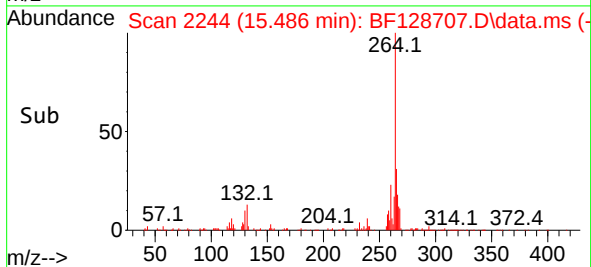
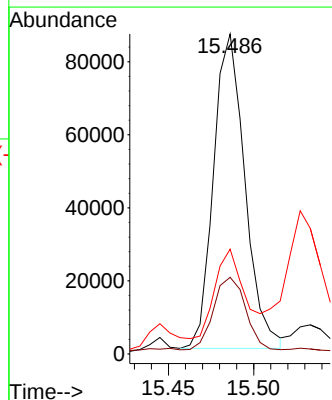
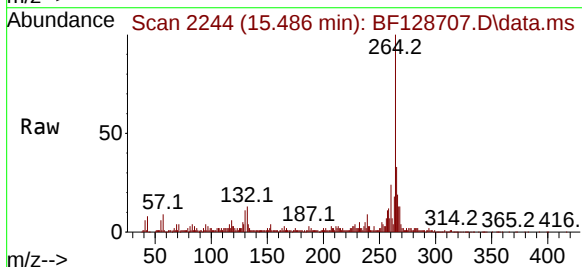
Instrument :
BNA_F
ClientSampleId :
SU-4-060322

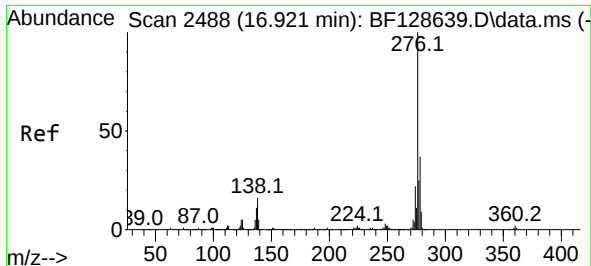
Tgt Ion:149 Resp: 12760
Ion Ratio Lower Upper
149 100
167 8.1 21.0 31.4#
279 3.5 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. 0.024 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:264 Resp: 110331
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 32.8 17.2 25.8#

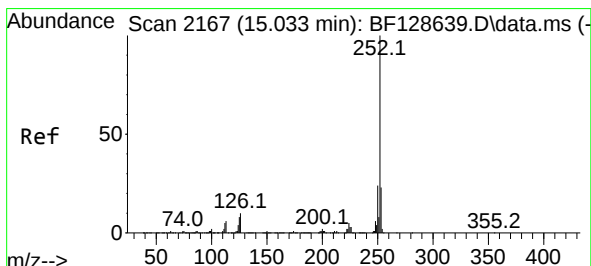
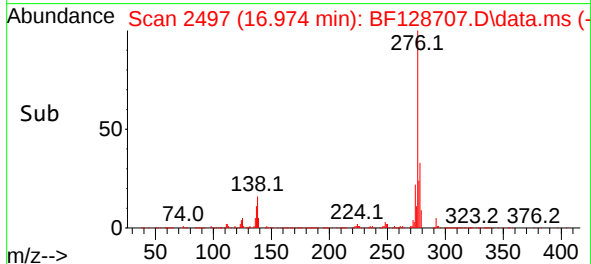
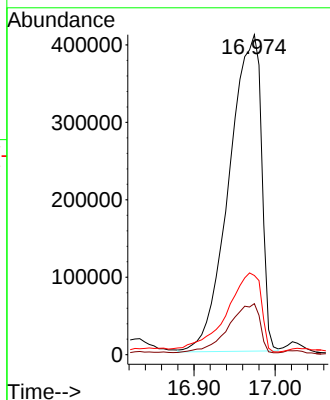
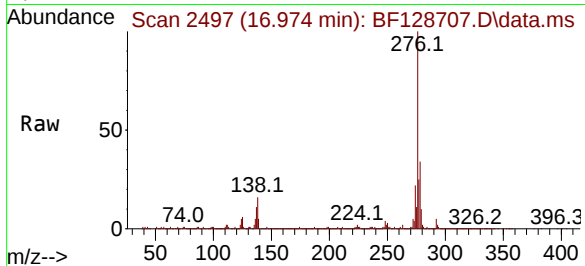




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 170.332 ng
 RT: 16.974 min Scan# 2488
 Delta R.T. 0.053 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27

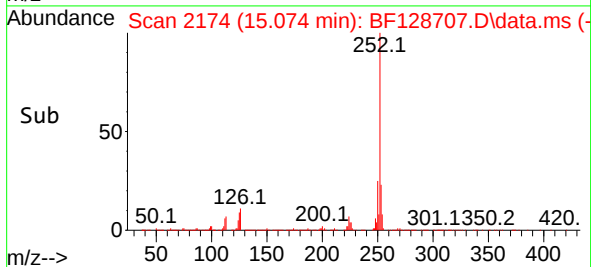
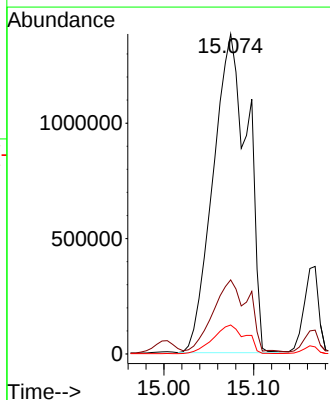
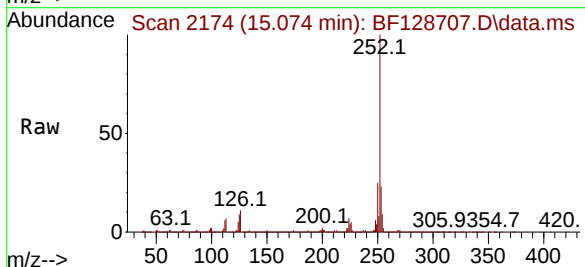
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322

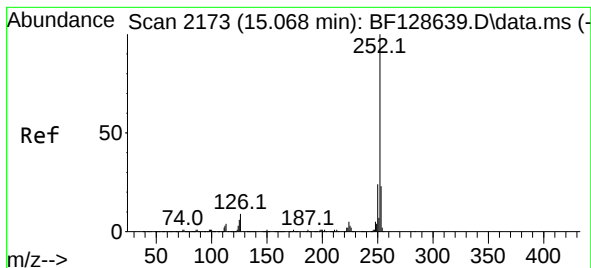
Tgt Ion:276 Resp: 1132702
 Ion Ratio Lower Upper
 276 100
 138 15.4 21.1 31.7#
 277 27.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 526.064 ng
 RT: 15.074 min Scan# 2174
 Delta R.T. 0.041 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27

Tgt Ion:252 Resp: 3708753
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.7 26.5
 125 9.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 559.229 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.006 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

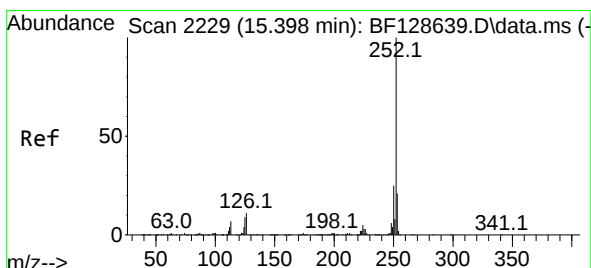
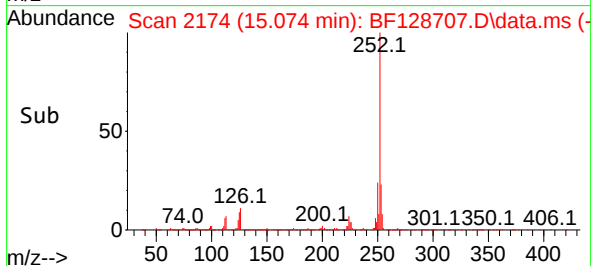
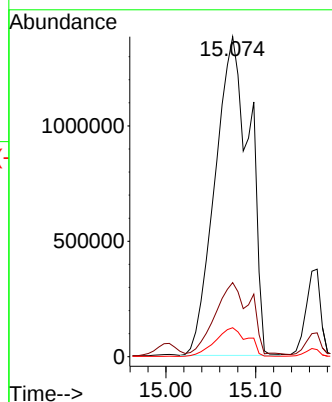
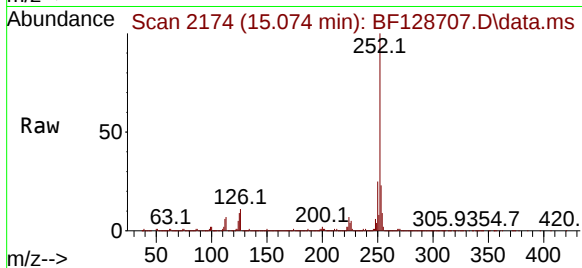
Tgt Ion:252 Resp: 3708753

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 9.0 8.3 12.5



#90

Benzo(a)pyrene

Concen: 218.760 ng

RT: 15.368 min Scan# 2224

Delta R.T. -0.029 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

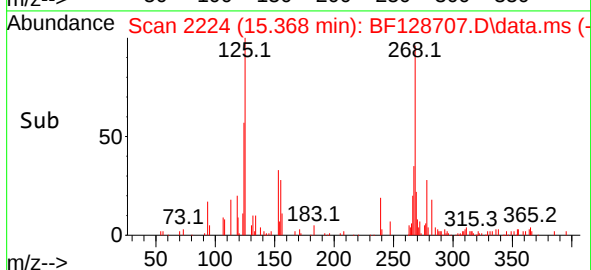
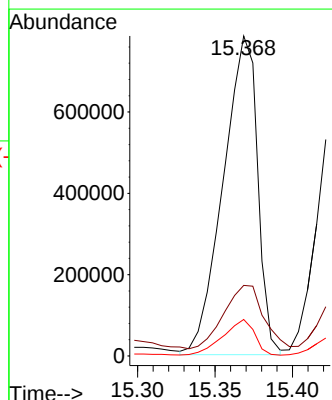
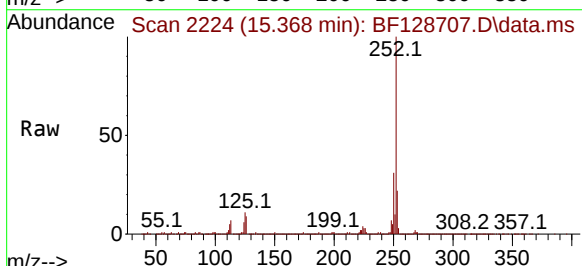
Tgt Ion:252 Resp: 1212163

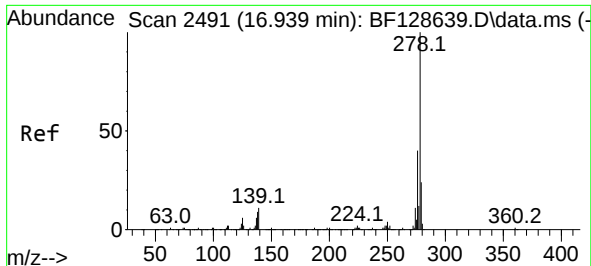
Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 11.4 8.8 13.2

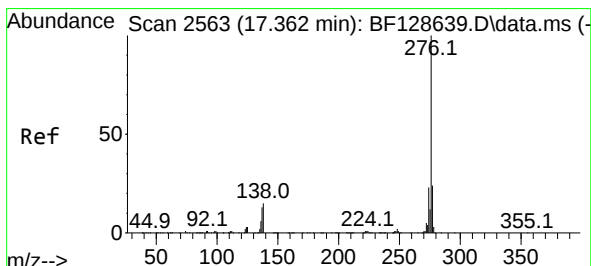
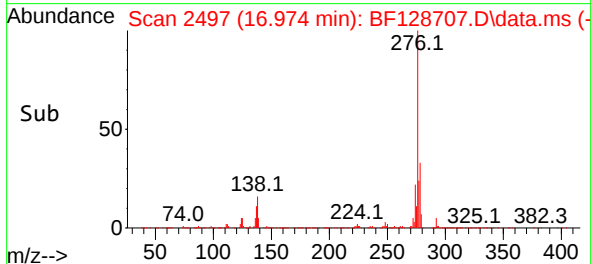
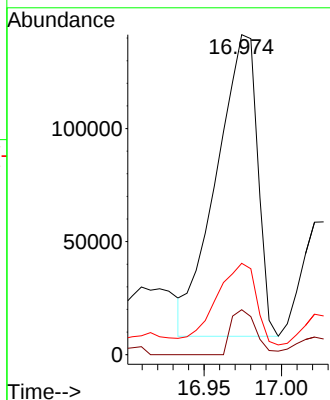
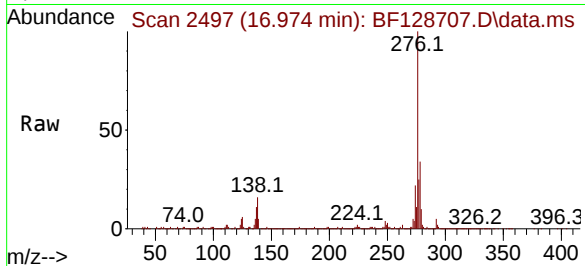




#91
 Dibenzo(a,h)anthracene
 Concen: 44.571 ng
 RT: 16.974 min Scan# 2491
 Delta R.T. 0.035 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322

Tgt Ion:278 Resp: 245854
 Ion Ratio Lower Upper
 278 100
 139 14.0 12.8 19.2
 279 28.6 18.6 28.0#



#92
 Benzo(g,h,i)perylene
 Concen: 189.584 ng
 RT: 17.421 min Scan# 2573
 Delta R.T. 0.059 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27

Tgt Ion:276 Resp: 1036424
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 15.9 18.0 27.0#

