

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051722\
 Data File : BF128292.D
 Acq On : 17 May 2022 15:44
 Operator : CG\JU
 Sample : N2879-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-0516

Quant Time: May 18 01:33:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 18 01:31:11 2022
 Response via : Initial Calibration

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

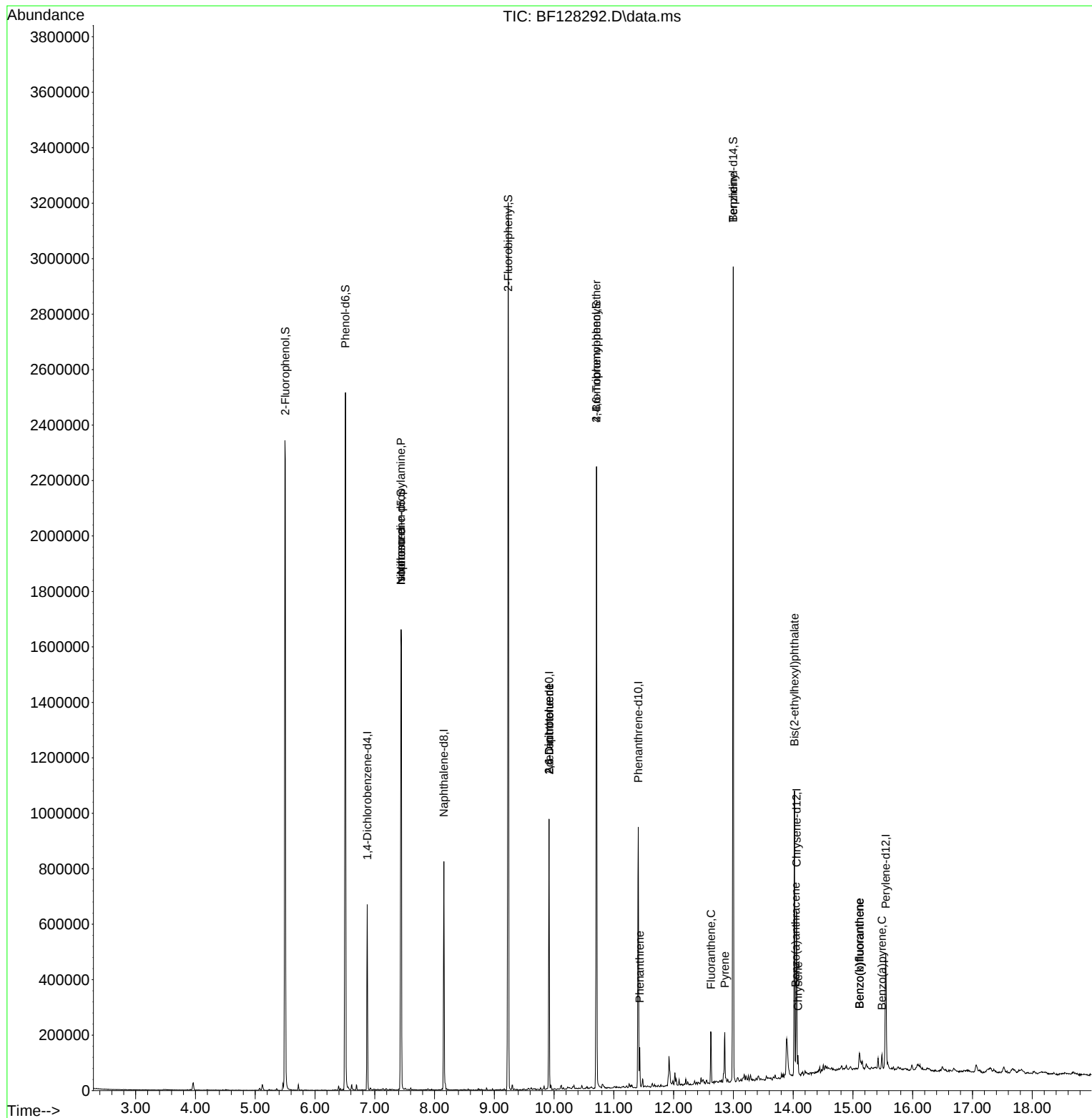
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80315	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	320185	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	180362	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	329050	20.000	ng	0.00
76) Chrysene-d12	14.057	240	183023	20.000	ng	0.00
86) Perylene-d12	15.551	264	183167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	626987	124.448	ng	0.00
7) Phenol-d6	6.510	99	830208	124.586	ng	0.00
23) Nitrobenzene-d5	7.439	82	610536	85.801	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	243043	117.495	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	955080	82.856	ng	0.00
79) Terphenyl-d14	12.998	244	940734	96.447	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.428	77	474	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.439	70	84216	20.522	ng	# 80
25) Isophorone	7.439	82	610532	54.728	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	22994	9.006	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	22994	6.735	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	14960	4.226	ng	# 1
71) Phenanthrene	11.433	178	49465	3.019	ng	100
75) Fluoranthene	12.627	202	71816	4.043	ng	95
77) Benzidine	12.998	184	14197	3.582	ng	# 95
78) Pyrene	12.857	202	69103	5.207	ng	99
81) Benzo(a)anthracene	14.045	228	27950	2.391	ng	95
83) Chrysene	14.080	228	24914	2.234	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	251368	33.720	ng	98
88) Benzo(b)fluoranthene	15.109	252	39924	3.516	ng	# 92
89) Benzo(k)fluoranthene	15.109	252	39924	3.562	ng	# 90
90) Benzo(a)pyrene	15.486	252	23941	2.612	ng	96

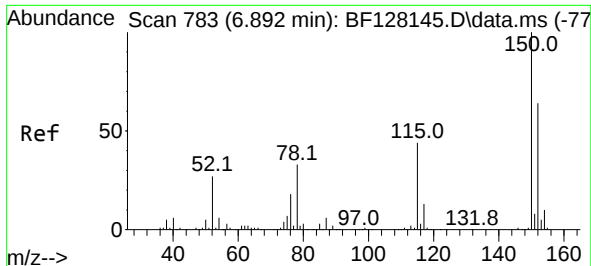
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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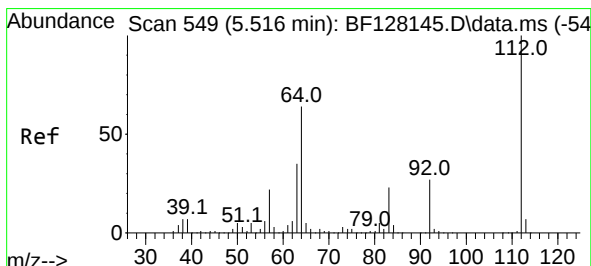
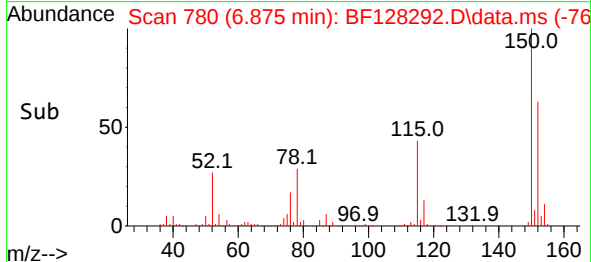
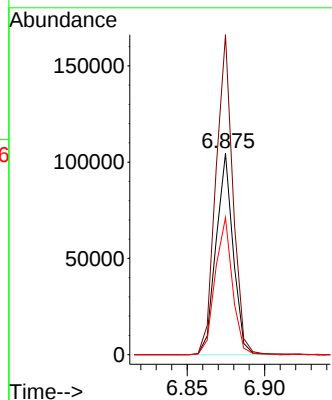
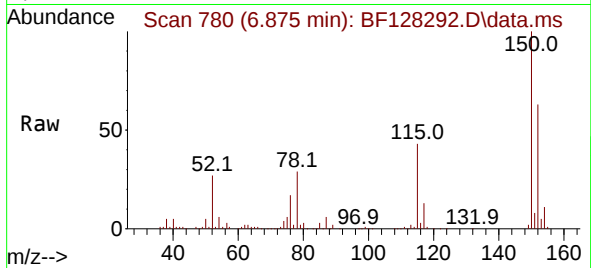




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

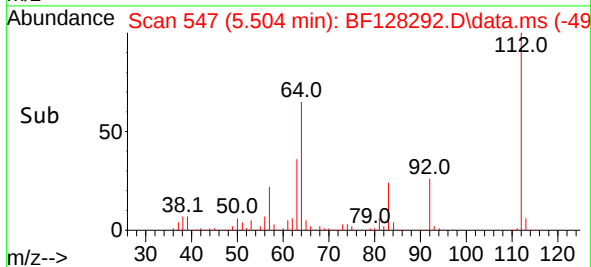
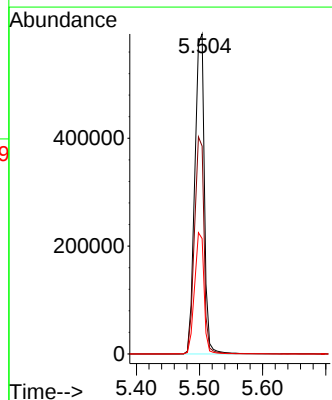
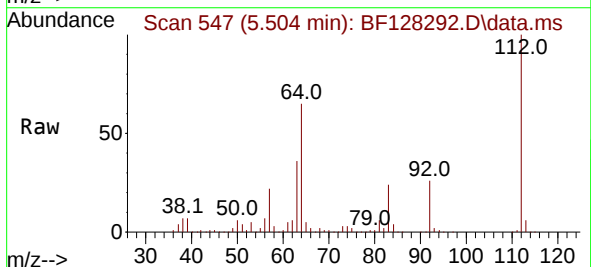
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

Tgt Ion:152 Resp: 80315
Ion Ratio Lower Upper
152 100
150 158.8 125.3 187.9
115 68.1 48.8 73.2



#5
2-Fluorophenol
Concen: 124.448 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:112 Resp: 626987
Ion Ratio Lower Upper
112 100
64 65.0 49.5 74.3
63 36.1 26.3 39.5

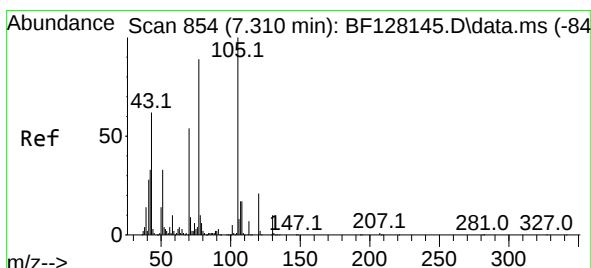
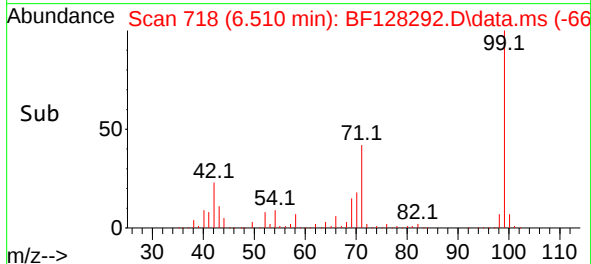
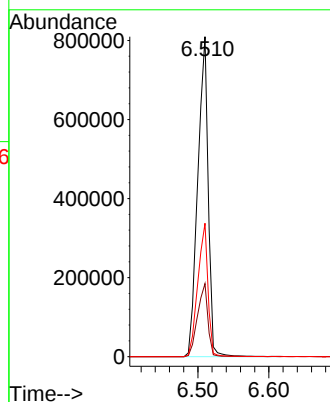
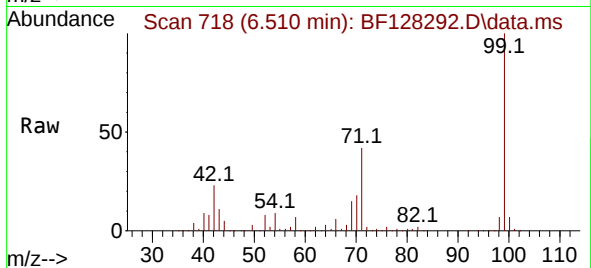




#7
Phenol-d6
Concen: 124.586 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

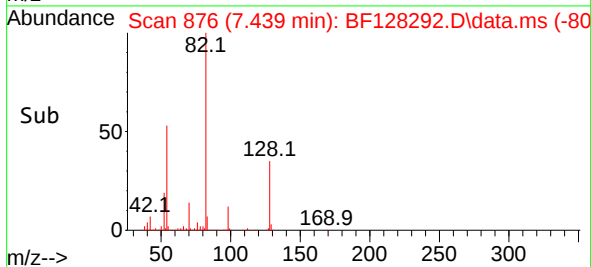
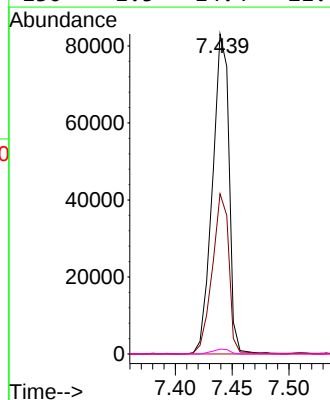
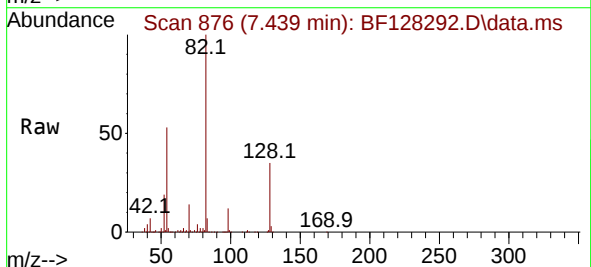
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

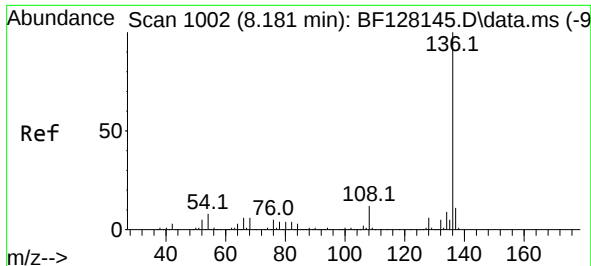
Tgt Ion: 99 Resp: 830208
Ion Ratio Lower Upper
99 100
42 22.8 16.6 24.8
71 41.7 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 20.522 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion: 70 Resp: 84216
Ion Ratio Lower Upper
70 100
42 50.0 48.7 73.1
101 0.0 7.2 10.8#
130 1.5 14.4 21.6#

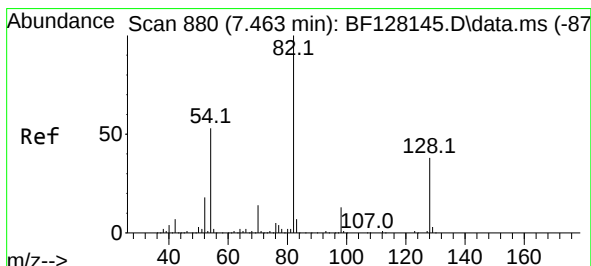
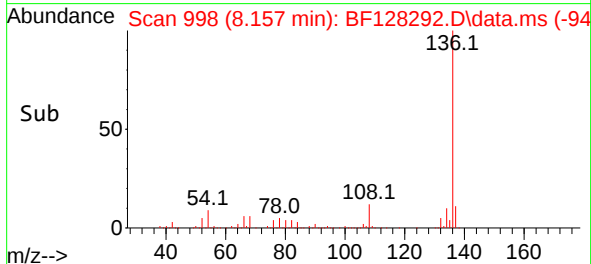
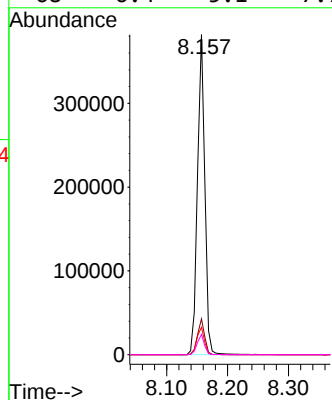
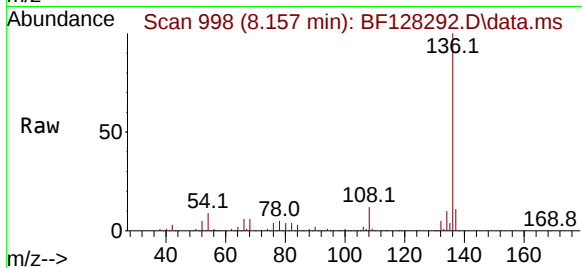




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

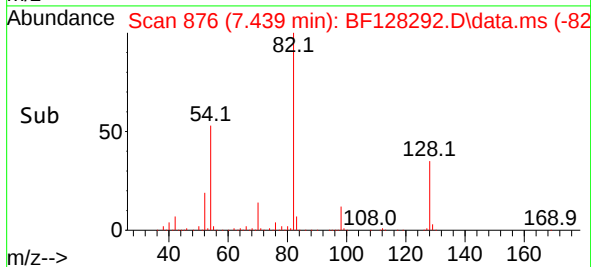
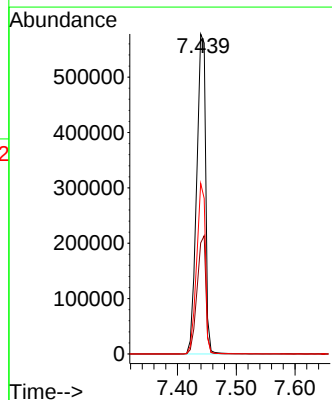
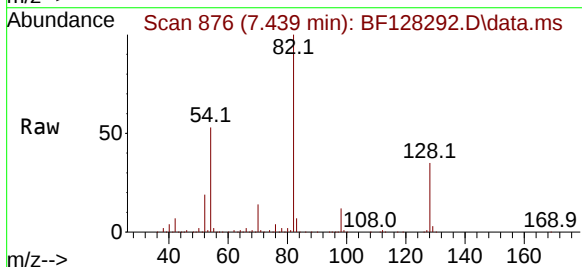
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

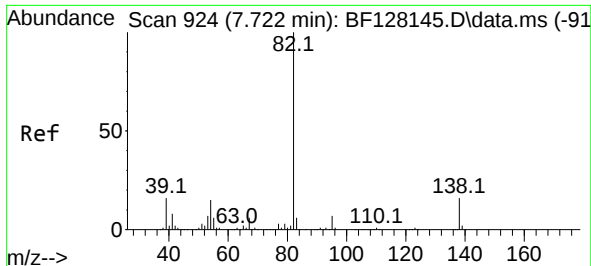
Tgt Ion:136 Resp: 320185
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 6.8 10.2
68 6.4 5.1 7.7



#23
Nitrobenzene-d5
Concen: 85.801 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion: 82 Resp: 610536
Ion Ratio Lower Upper
82 100
128 34.7 30.0 45.0
54 53.3 41.3 61.9

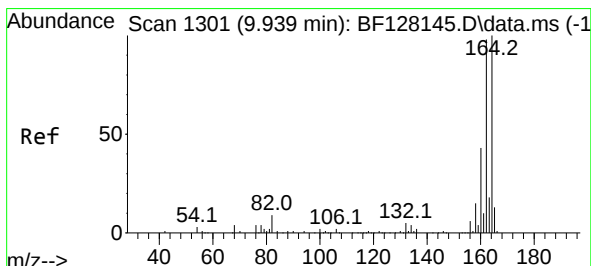
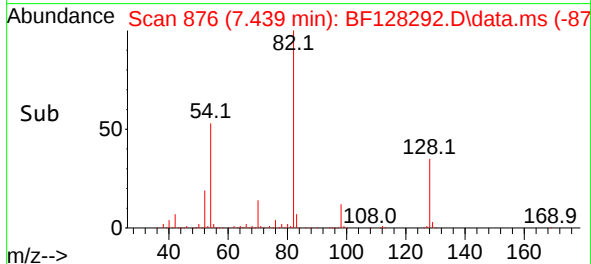
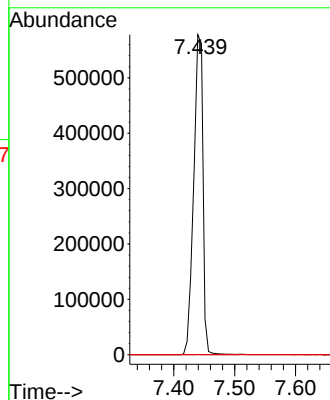
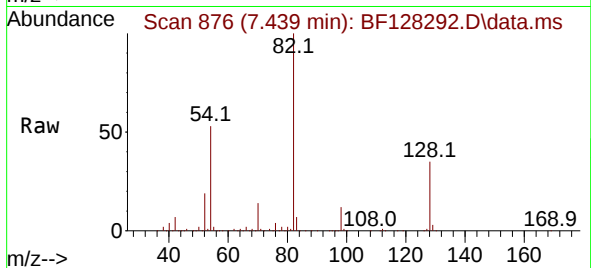




#25
Isophorone
Concen: 54.728 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

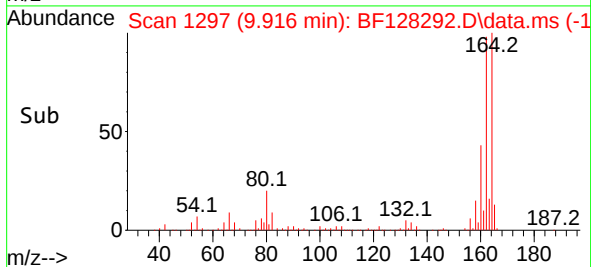
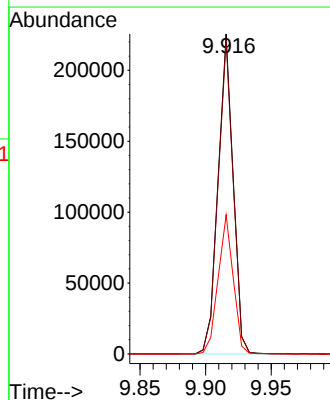
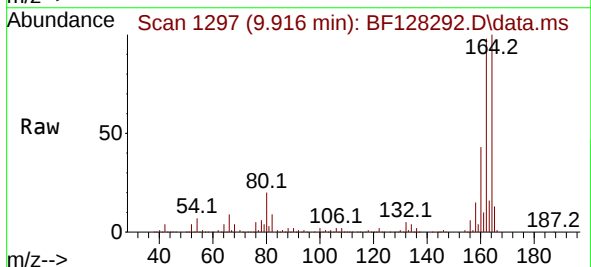
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

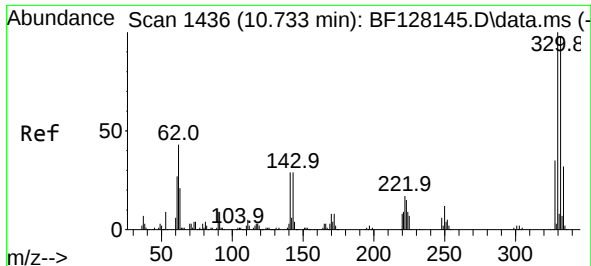
Tgt Ion: 82 Resp: 610532
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:164 Resp: 180362
Ion Ratio Lower Upper
164 100
162 98.0 76.0 114.0
160 43.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 117.495 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

Instrument :

BNA_F

ClientSampleId :

TP-4-0516

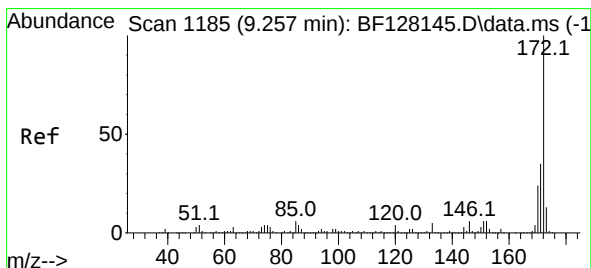
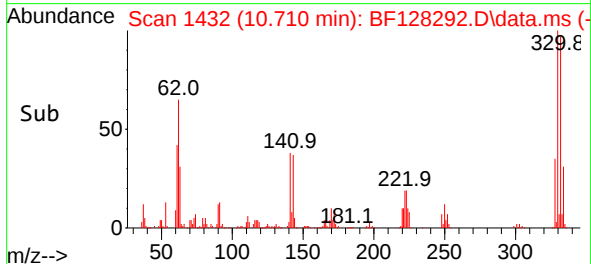
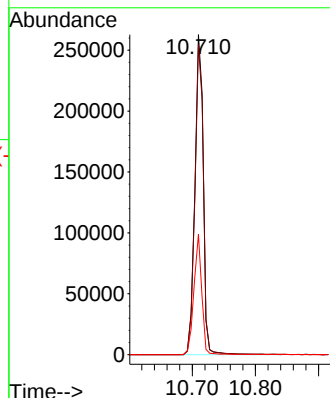
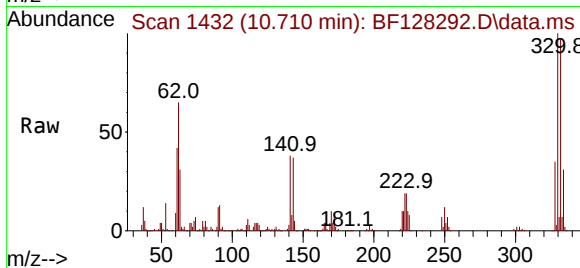
Tgt Ion:330 Resp: 243043

Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 82.856 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

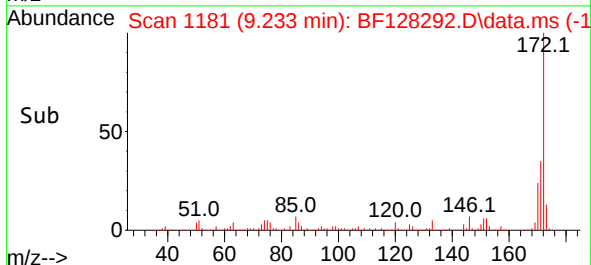
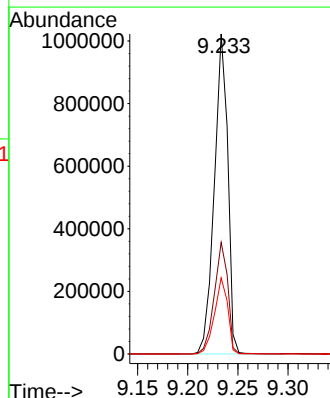
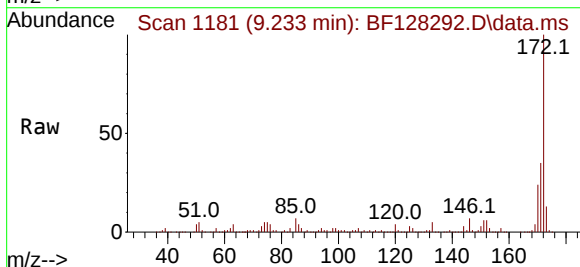
Tgt Ion:172 Resp: 955080

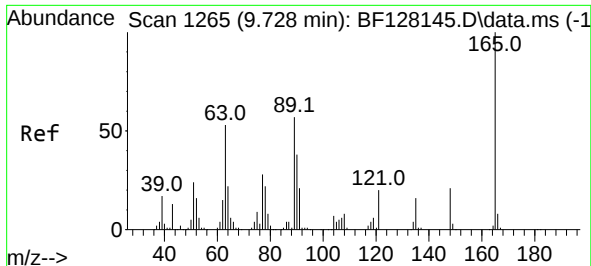
Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.8 19.1 28.7

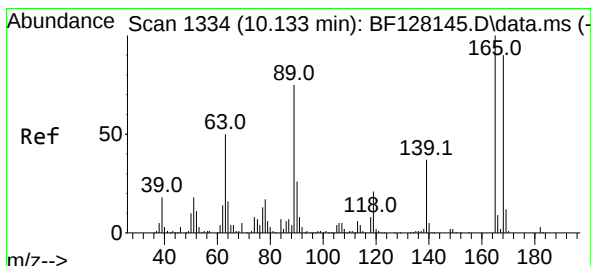
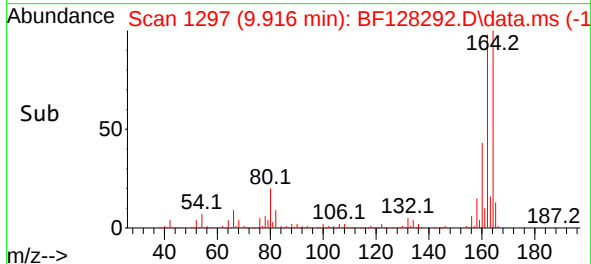
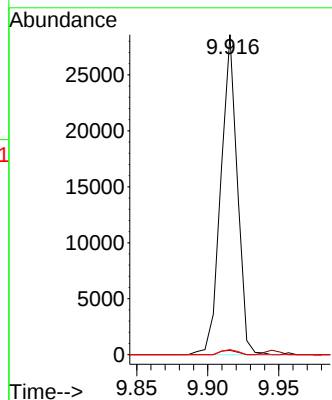
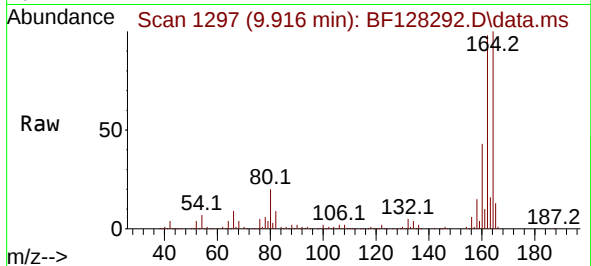




#51
2,6-Dinitrotoluene
Concen: 9.006 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.206 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

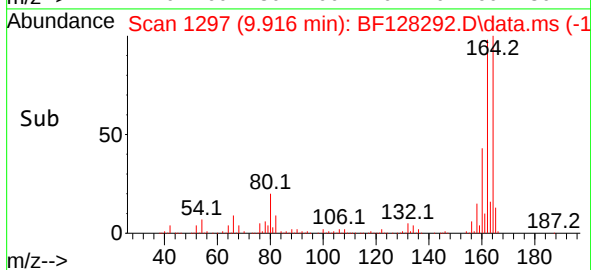
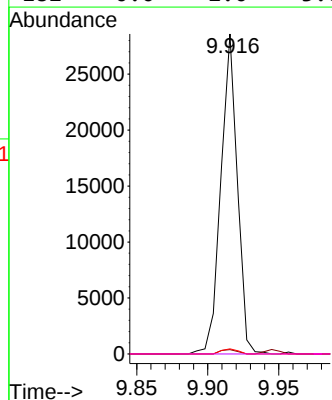
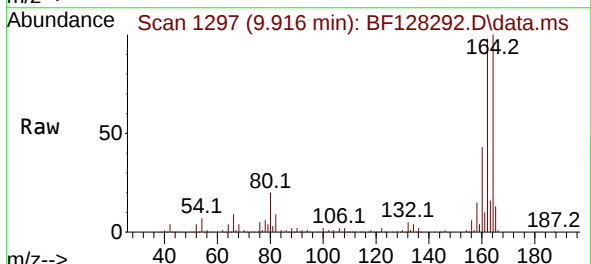
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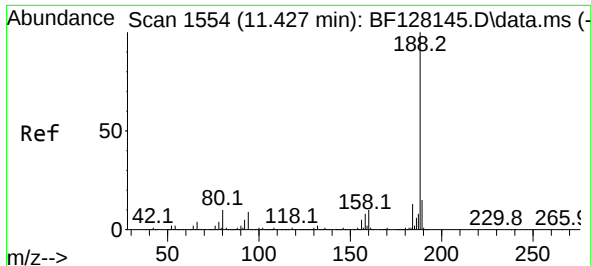
Tgt Ion:165 Resp: 22994
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.6 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.735 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.206 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:165 Resp: 22994
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.6 55.2 82.8#
182 0.0 2.0 3.0#

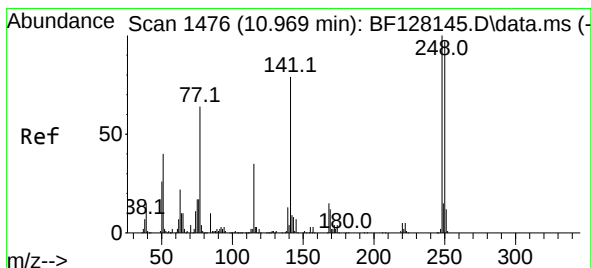
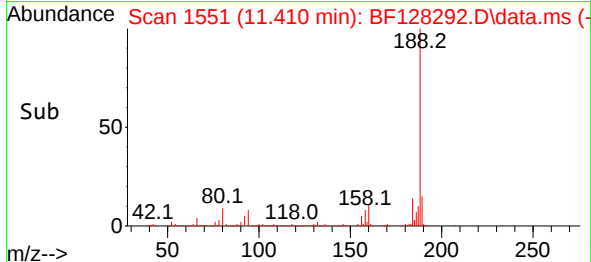
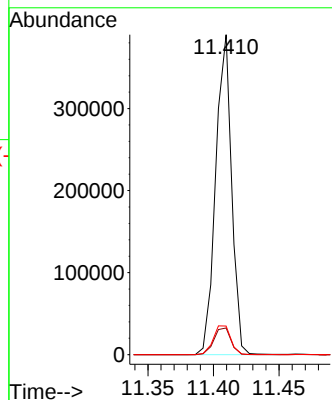
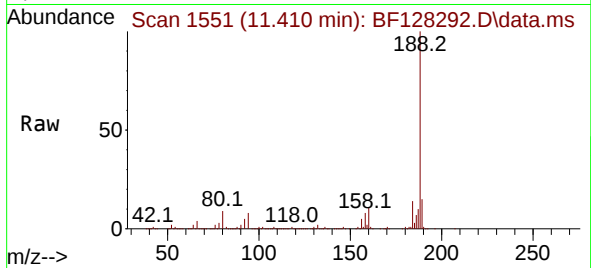




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

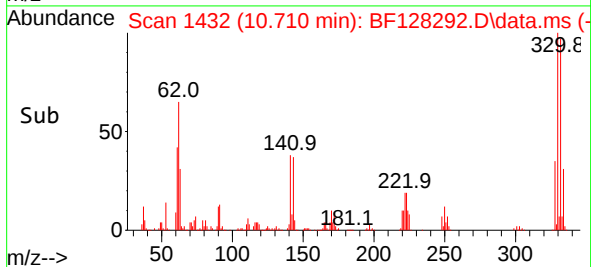
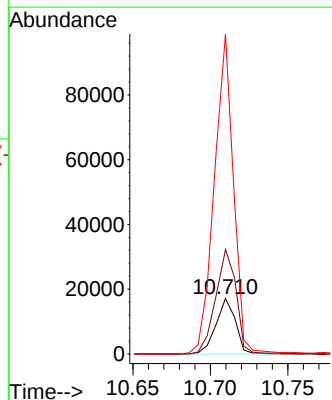
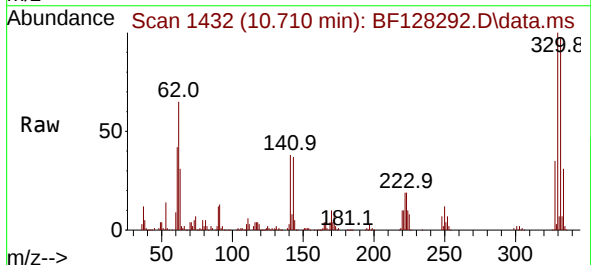
Instrument :
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TP-4-0516

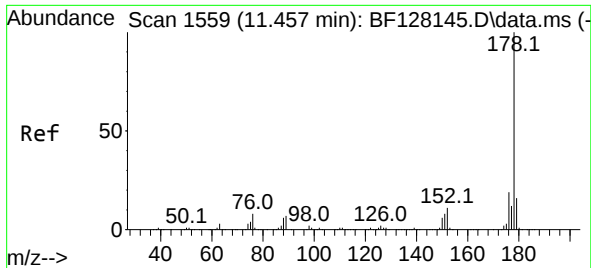
Tgt Ion:188 Resp: 329050
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 8.9 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.226 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.247 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:248 Resp: 14960
Ion Ratio Lower Upper
248 100
250 188.4 77.7 116.5#
141 576.7 65.6 98.4#

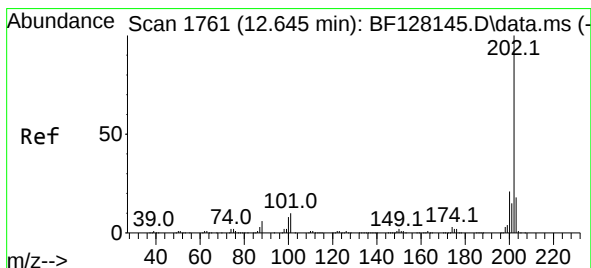
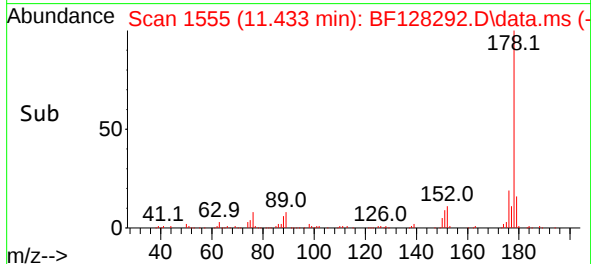
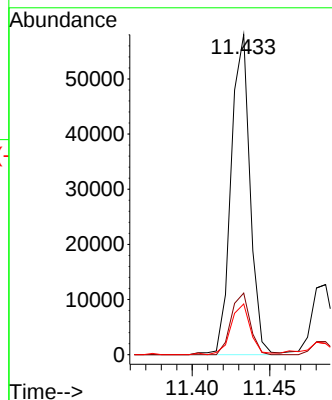
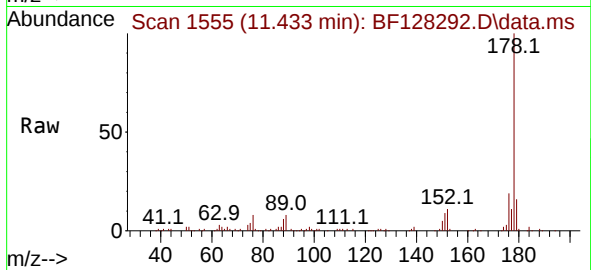




#71
Phenanthrene
Concen: 3.019 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

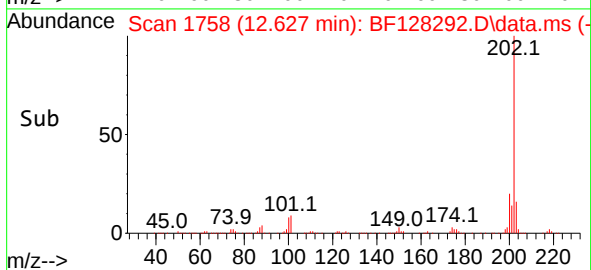
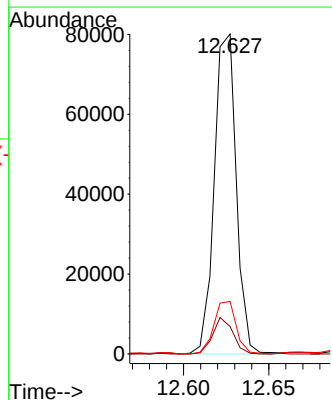
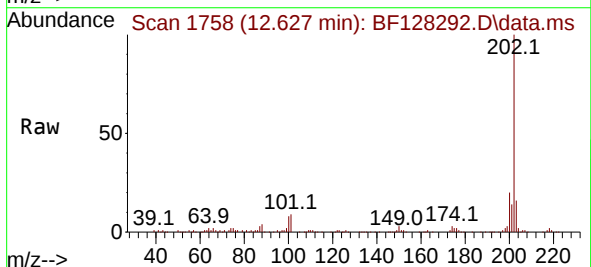
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

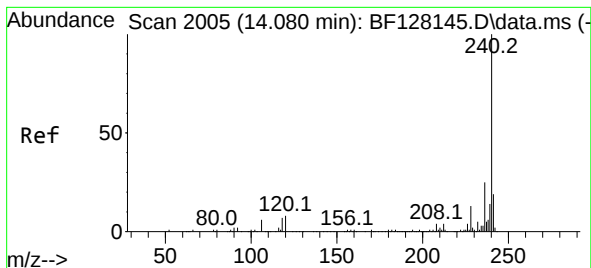
Tgt Ion:178 Resp: 49465
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.8 12.6 19.0



#75
Fluoranthene
Concen: 4.043 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:202 Resp: 71816
Ion Ratio Lower Upper
202 100
101 8.5 0.0 31.6
203 16.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

Instrument :

BNA_F

ClientSampleId :

TP-4-0516

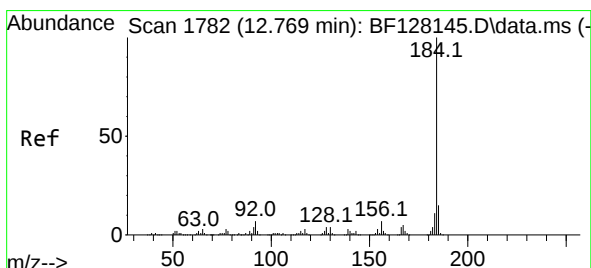
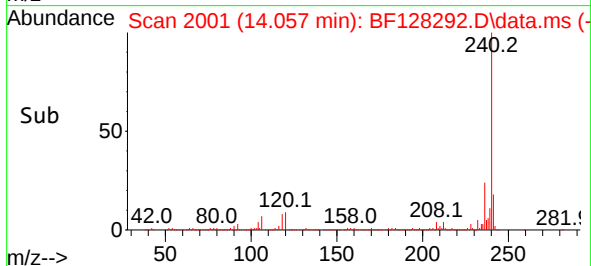
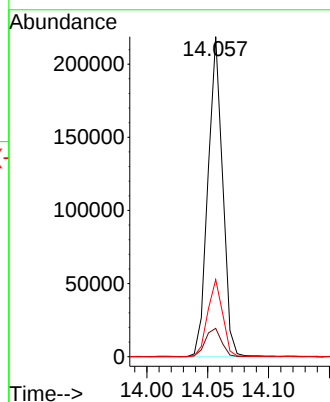
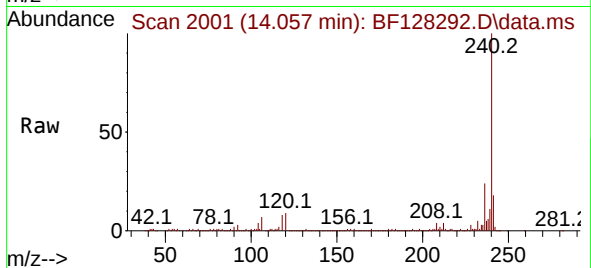
Tgt Ion:240 Resp: 183023

Ion Ratio Lower Upper

240 100

120 8.8 7.0 10.6

236 24.1 20.3 30.5



#77

Benzidine

Concen: 3.582 ng

RT: 12.998 min Scan# 1821

Delta R.T. 0.247 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

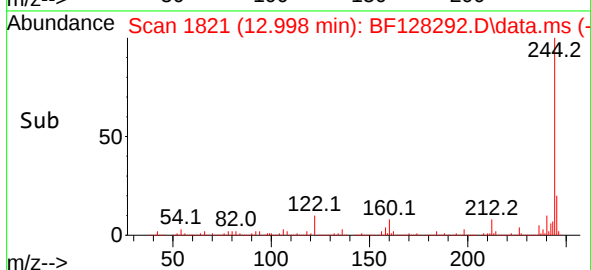
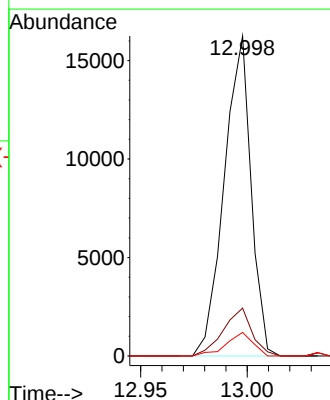
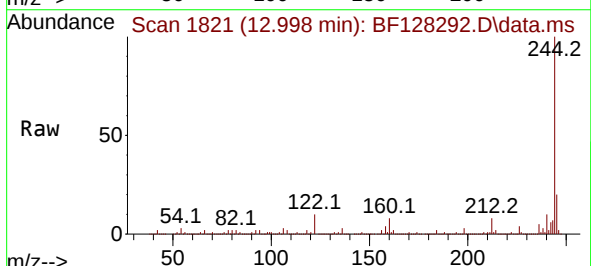
Tgt Ion:184 Resp: 14197

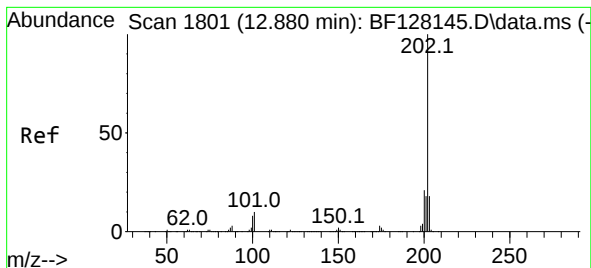
Ion Ratio Lower Upper

184 100

185 14.9 12.1 18.1

183 7.3 9.0 13.4#





#78

Pyrene

Concen: 5.207 ng

RT: 12.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

Instrument :

BNA_F

ClientSampleId :

TP-4-0516

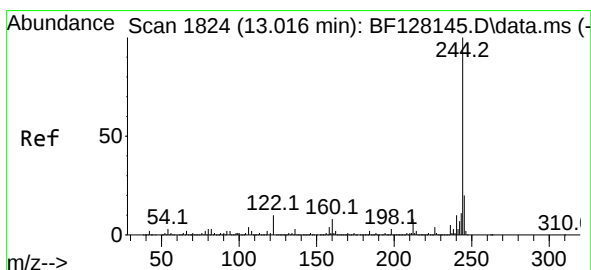
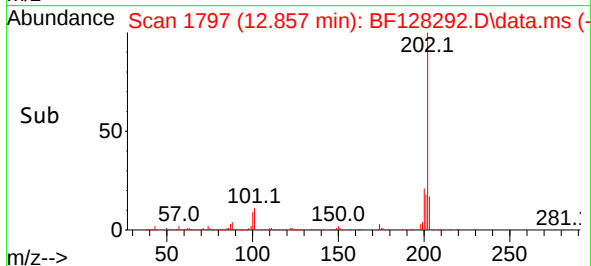
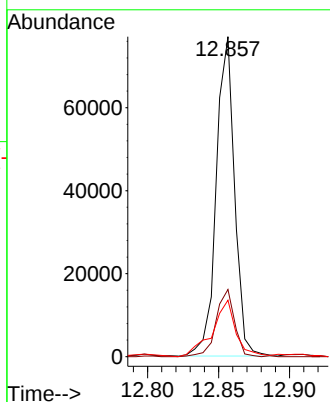
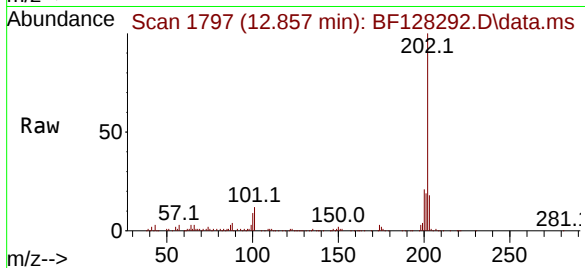
Tgt Ion:202 Resp: 69103

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 96.447 ng

RT: 12.998 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF128292.D

Acq: 17 May 2022 15:44

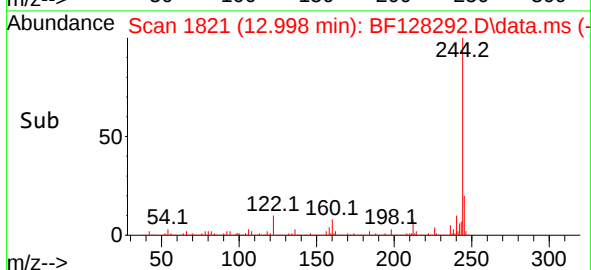
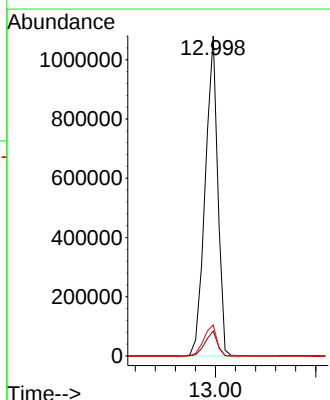
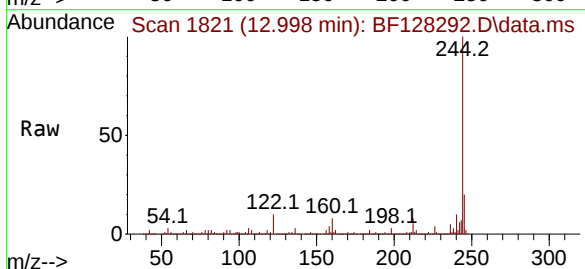
Tgt Ion:244 Resp: 940734

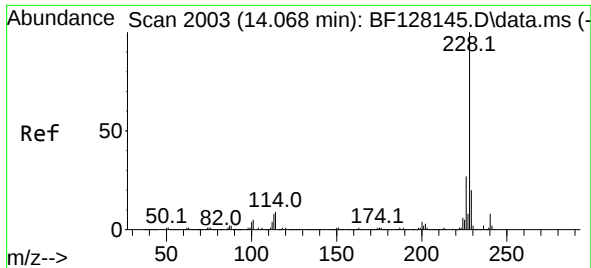
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.4

122 9.6 8.6 12.8

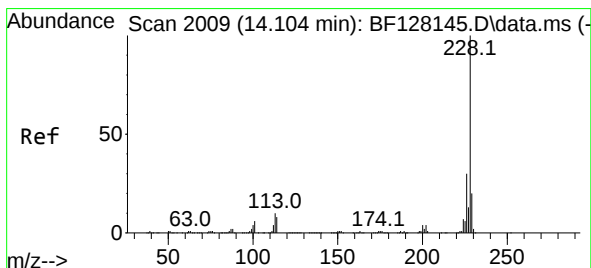
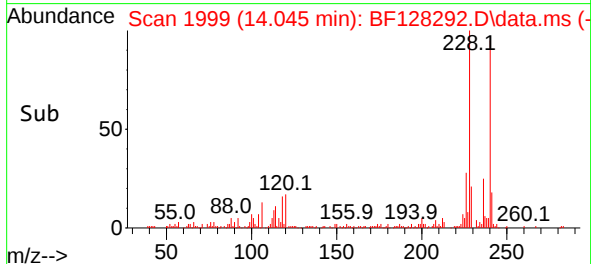
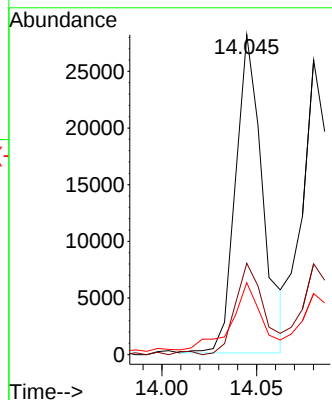
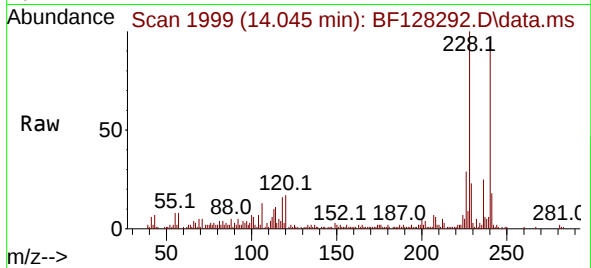




#81
Benzo(a)anthracene
Concen: 2.391 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

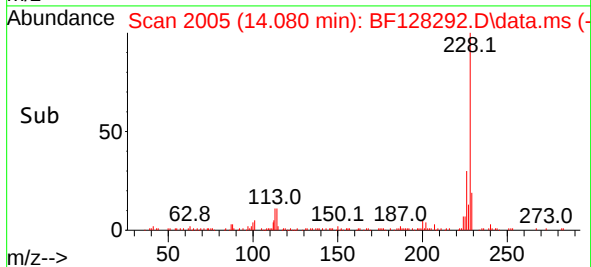
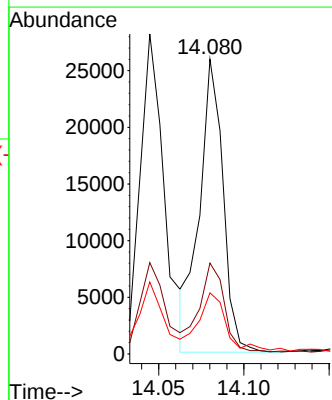
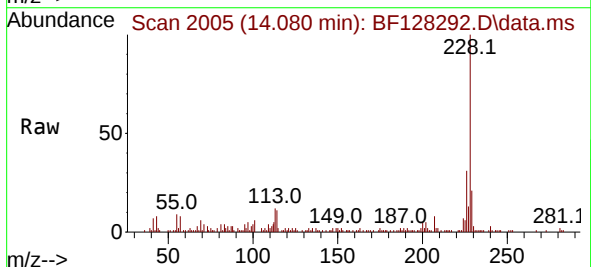
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

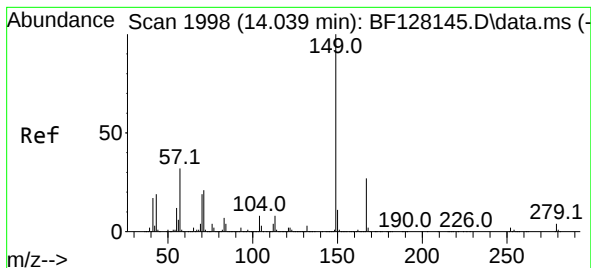
Tgt Ion:228 Resp: 27950
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 22.5 15.4 23.2



#83
Chrysene
Concen: 2.234 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:228 Resp: 24914
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 20.7 15.8 23.8

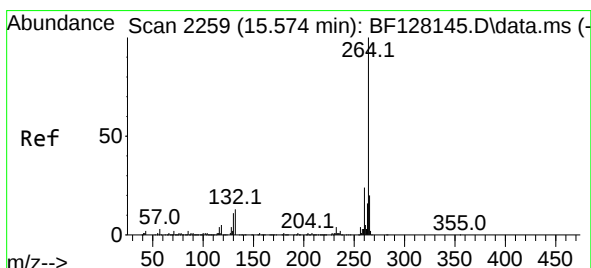
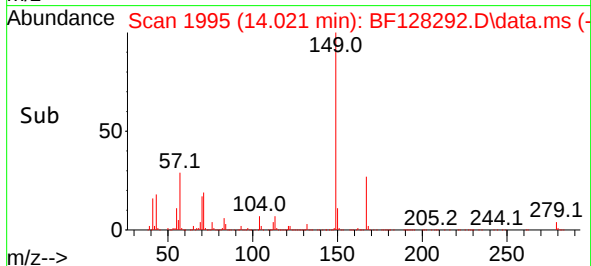
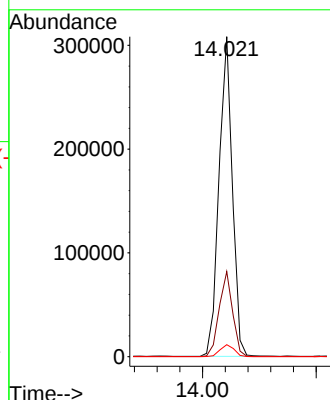
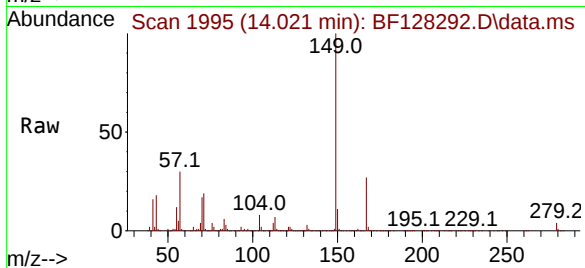




#84
Bis(2-ethylhexyl)phthalate
Concen: 33.720 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

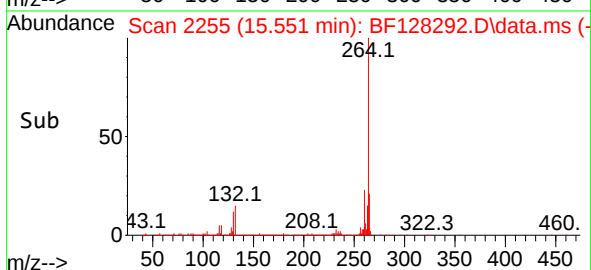
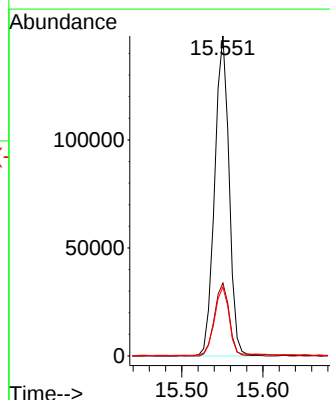
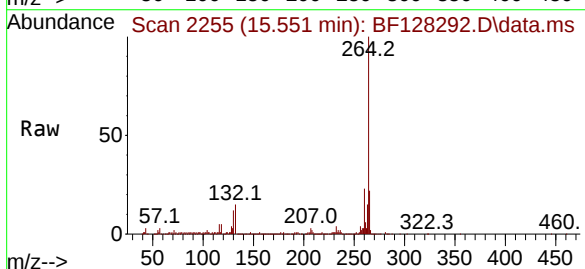
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

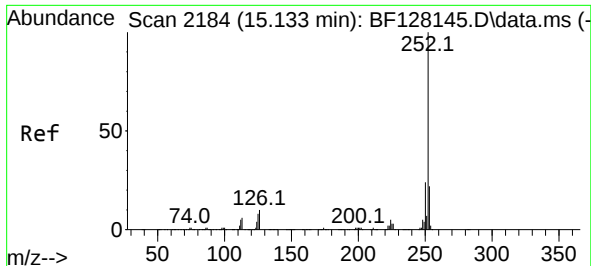
Tgt Ion:149 Resp: 251368
Ion Ratio Lower Upper
149 100
167 26.6 22.0 33.0
279 3.8 3.4 5.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:264 Resp: 183167
Ion Ratio Lower Upper
264 100
260 22.8 20.1 30.1
265 21.5 17.5 26.3

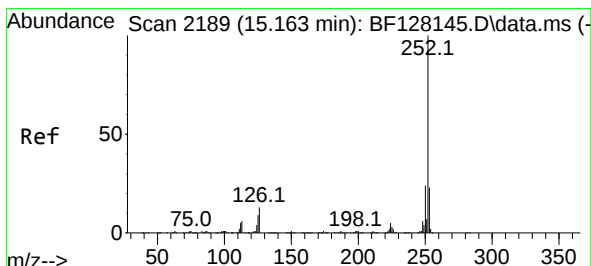
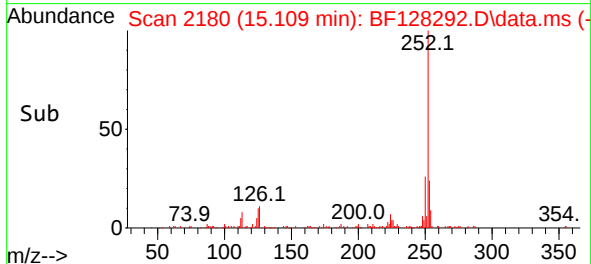
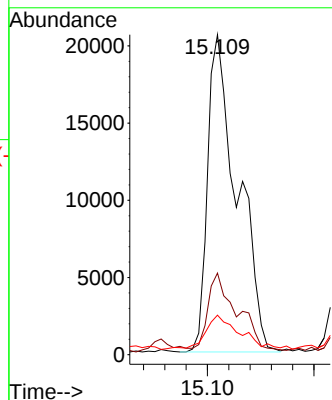
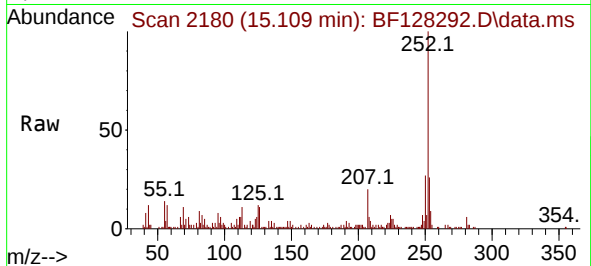




#88
Benzo(b)fluoranthene
Concen: 3.516 ng
RT: 15.109 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

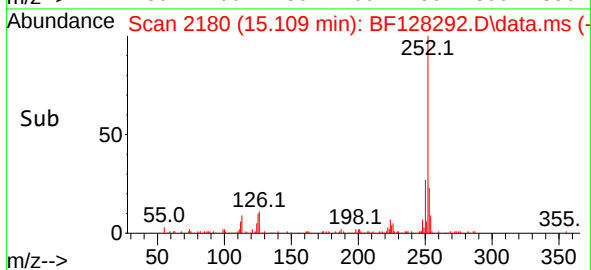
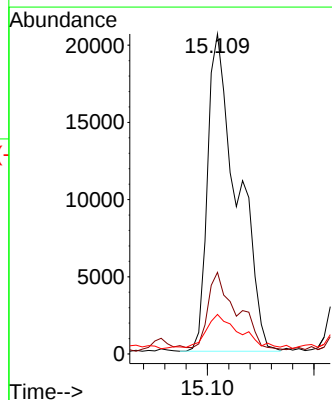
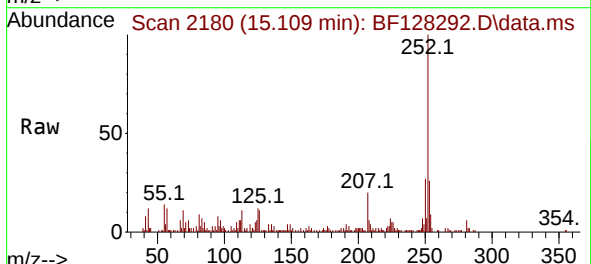
Instrument :
BNA_F
ClientSampleId :
TP-4-0516

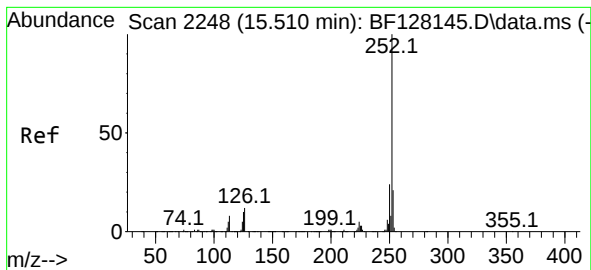
Tgt Ion:252 Resp: 39924
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.2
125 12.4 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 3.562 ng
RT: 15.109 min Scan# 2180
Delta R.T. -0.041 min
Lab File: BF128292.D
Acq: 17 May 2022 15:44

Tgt Ion:252 Resp: 39924
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.4#
125 12.4 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 2.612 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128292.D

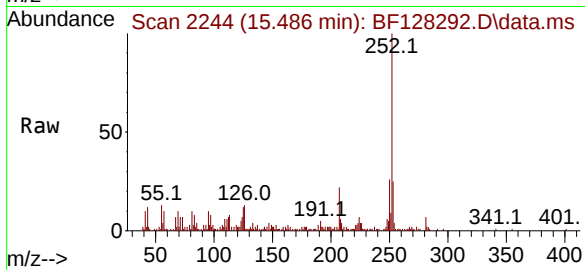
Acq: 17 May 2022 15:44

Instrument :

BNA_F

ClientSampleId :

TP-4-0516



Tgt Ion:252 Resp: 23941

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

125 11.8 9.2 13.8

