

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051722\
 Data File : BF128294.D
 Acq On : 17 May 2022 16:43
 Operator : CG\JU
 Sample : N2879-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0516

Quant Time: May 18 01:34:09 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)

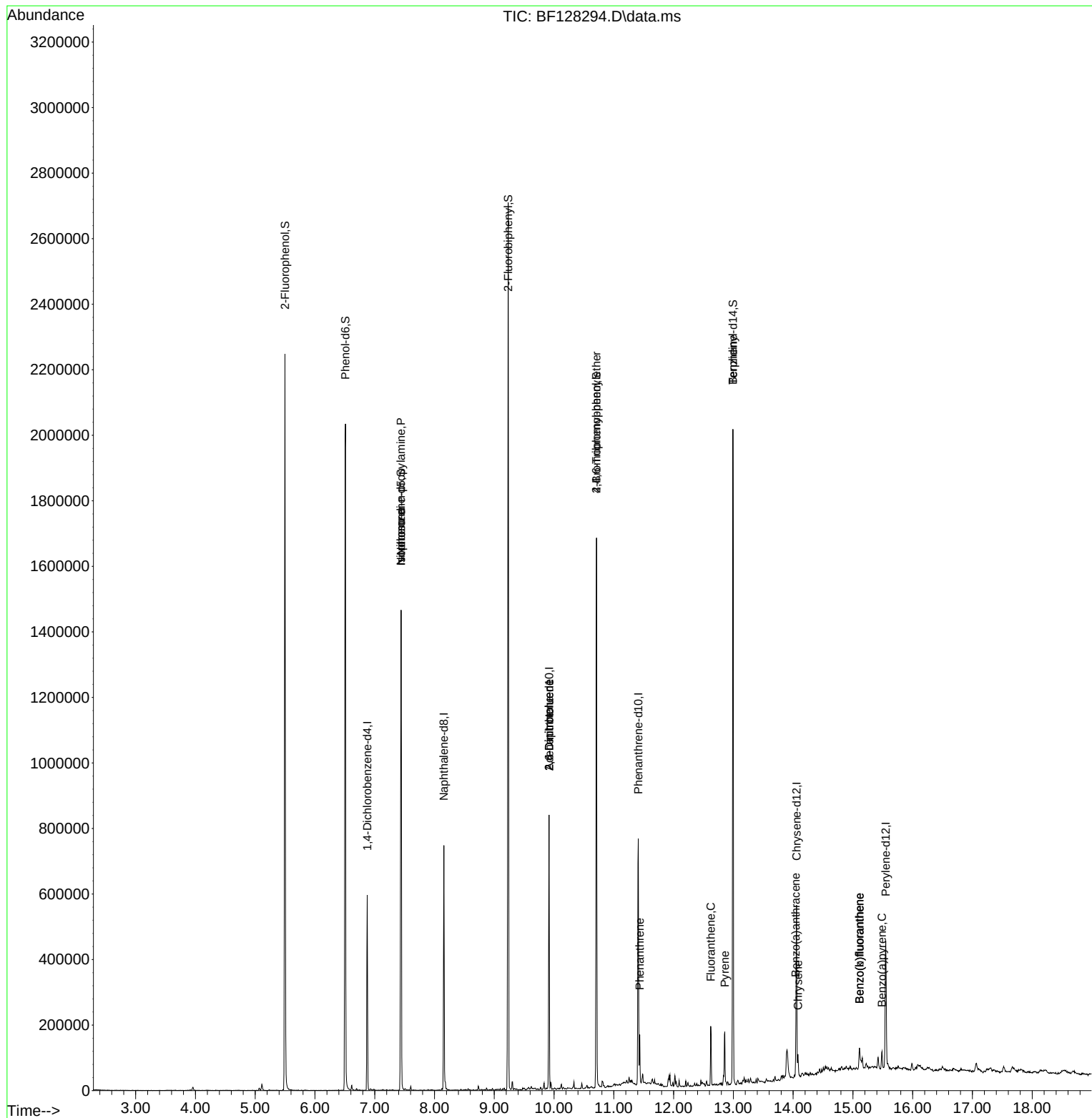
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74720	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	286168	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	154948	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273219	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	159178	20.000	ng	0.00
86) Perylene-d12	15.551	264	175256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	528844	112.828	ng	0.00
7) Phenol-d6	6.510	99	685034	110.498	ng	0.00
23) Nitrobenzene-d5	7.440	82	490068	77.058	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	180088	101.340	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	747376	75.471	ng	0.00
79) Terphenyl-d14	12.992	244	660484	77.859	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	65	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	7.440	70	67993	17.809	ng	# 80
25) Isophorone	7.440	82	490064	49.151	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	19679	8.972	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19679	6.710	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	11207	3.813	ng	# 1
71) Phenanthrene	11.433	178	51659	3.797	ng	99
75) Fluoranthene	12.622	202	67236	4.559	ng	97
77) Benzidine	12.992	184	10008	2.903	ng	# 92
78) Pyrene	12.857	202	64016	5.546	ng	99
81) Benzo(a)anthracene	14.045	228	29507	2.902	ng	97
83) Chrysene	14.080	228	24049	2.479	ng	97
88) Benzo(b)fluoranthene	15.110	252	42415	3.904	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	42415	3.955	ng	# 92
90) Benzo(a)pyrene	15.486	252	24039	2.741	ng	94

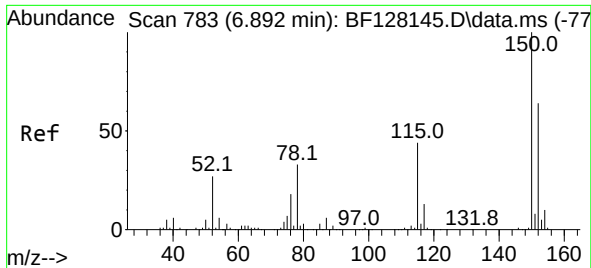
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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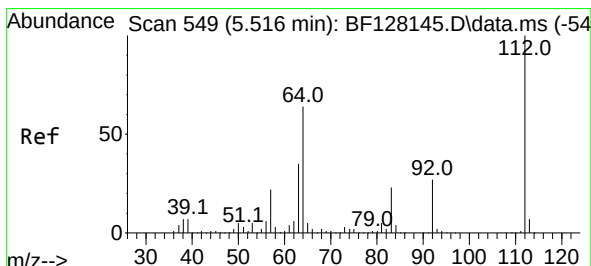
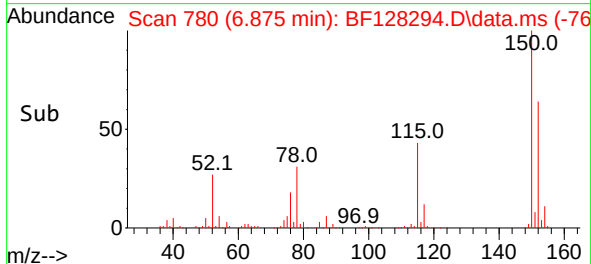
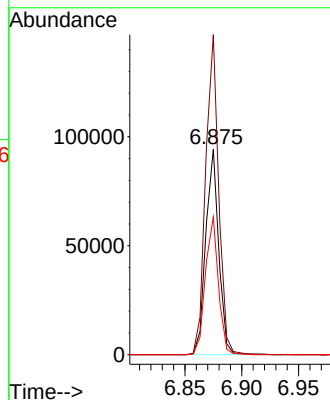
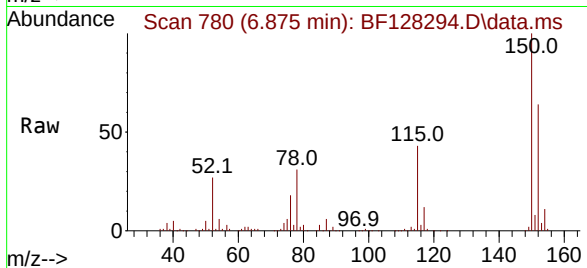




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128294.D
 Acq: 17 May 2022 16:43

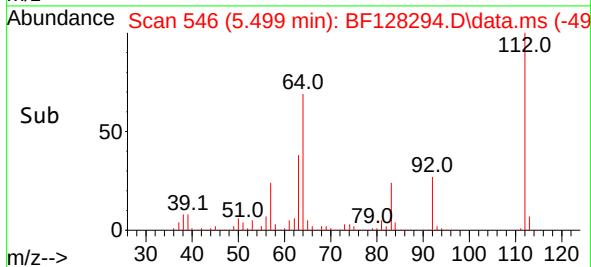
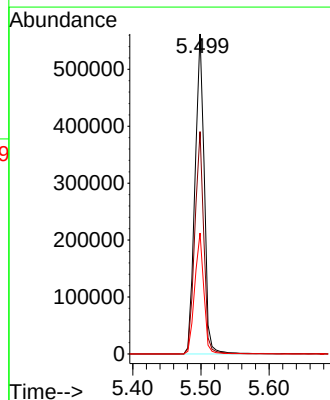
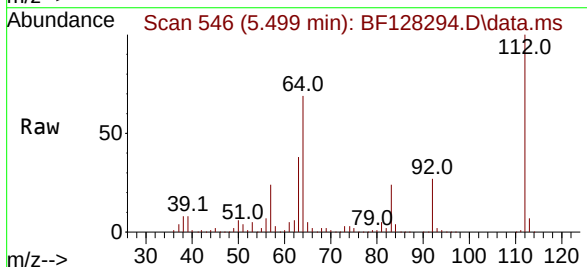
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 BNA_F
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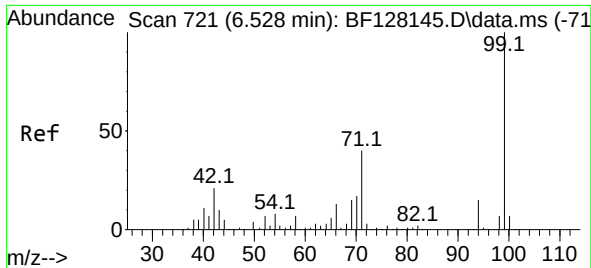
Tgt Ion:152 Resp: 74720
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.3 187.9
 115 66.9 48.8 73.2



#5
 2-Fluorophenol
 Concen: 112.828 ng
 RT: 5.499 min Scan# 546
 Delta R.T. 0.000 min
 Lab File: BF128294.D
 Acq: 17 May 2022 16:43

Tgt Ion:112 Resp: 528844
 Ion Ratio Lower Upper
 112 100
 64 69.5 49.5 74.3
 63 37.8 26.3 39.5

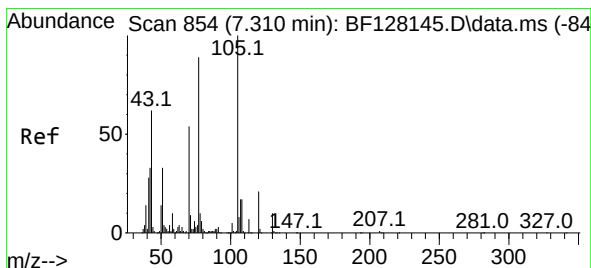
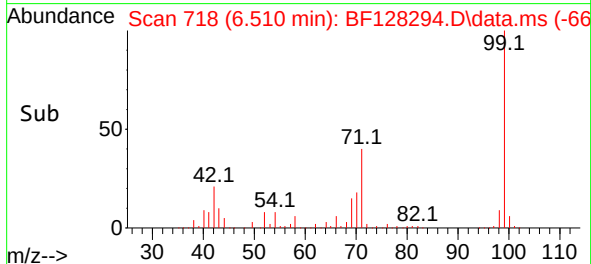
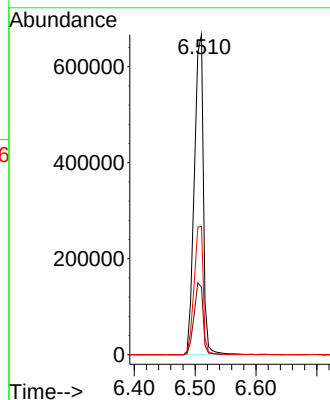
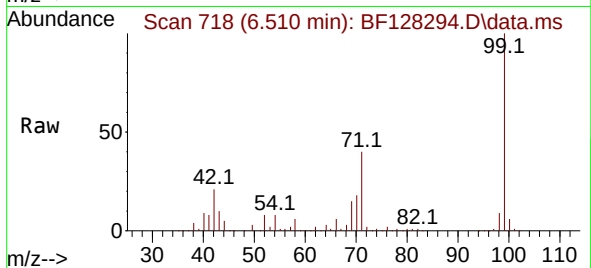




#7
Phenol-d6
Concen: 110.498 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

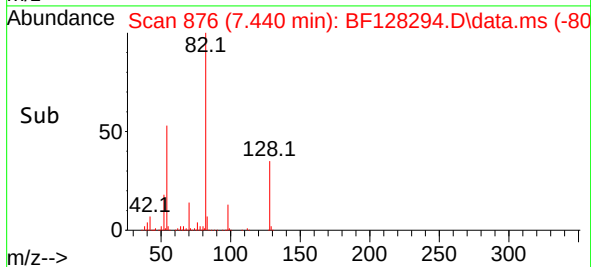
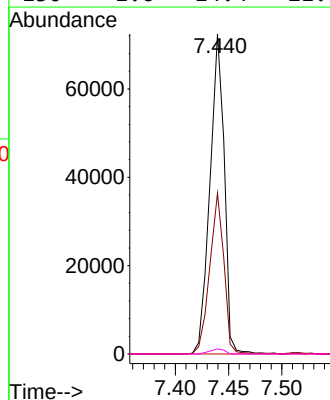
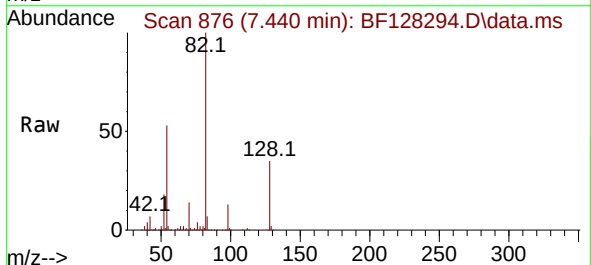
Instrument :
BNA_F
ClientSampleId :
TP2-0516

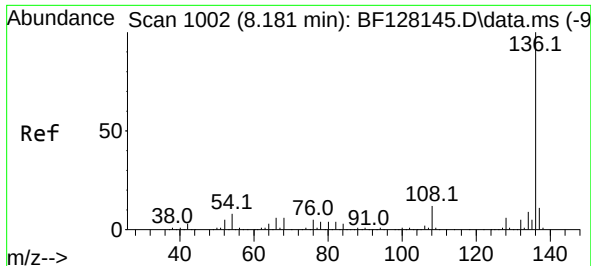
Tgt Ion: 99 Resp: 685034
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 40.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.809 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion: 70 Resp: 67993
Ion Ratio Lower Upper
70 100
42 50.3 48.7 73.1
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

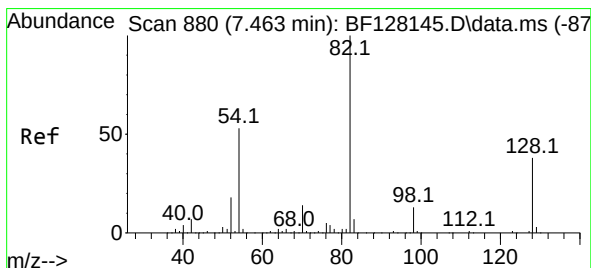
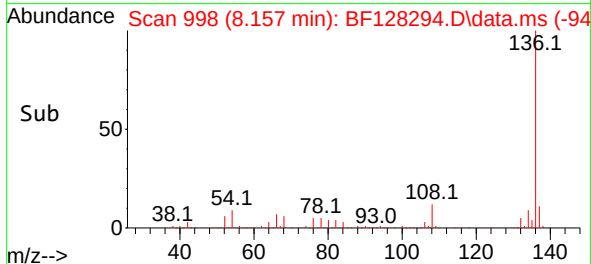
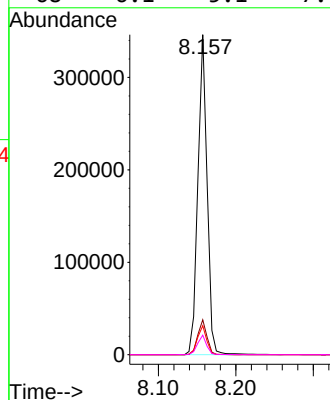
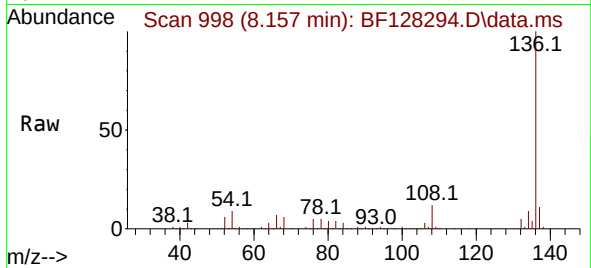




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

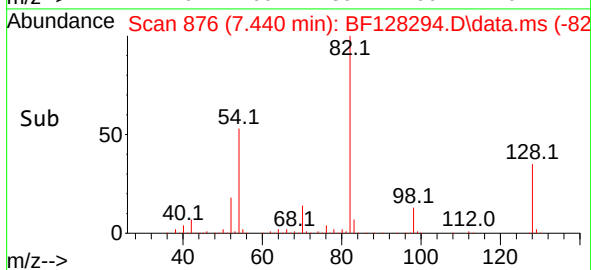
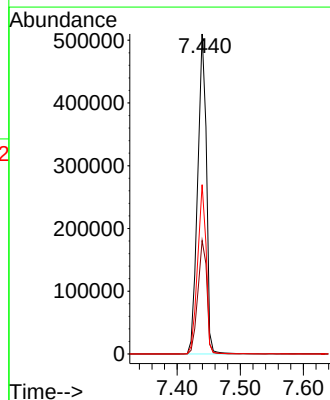
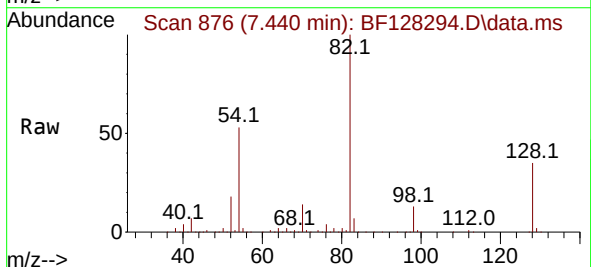
Instrument :
BNA_F
ClientSampleId :
TP2-0516

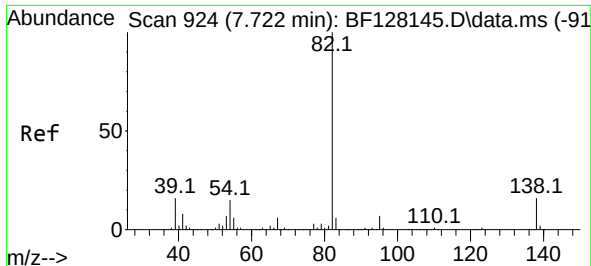
Tgt Ion:136 Resp: 286168
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.8 10.2
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 77.058 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion: 82 Resp: 490068
Ion Ratio Lower Upper
82 100
128 35.4 30.0 45.0
54 52.9 41.3 61.9

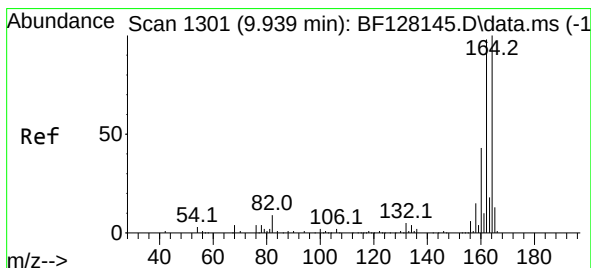
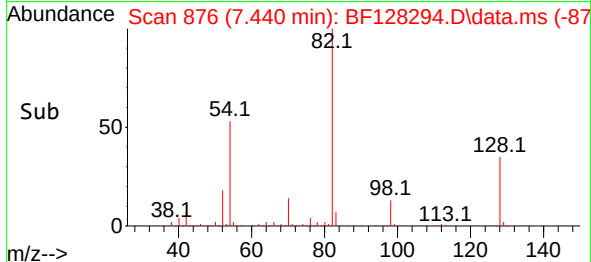
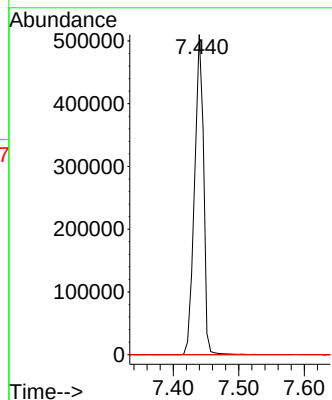
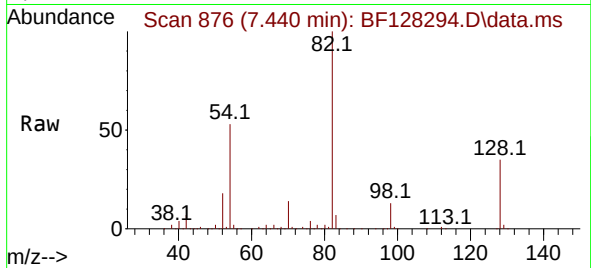




#25
Isophorone
Concen: 49.151 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

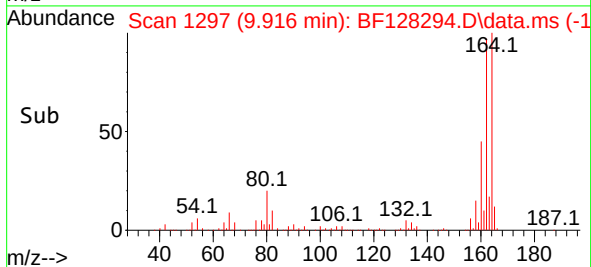
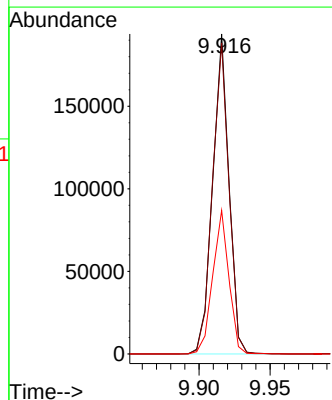
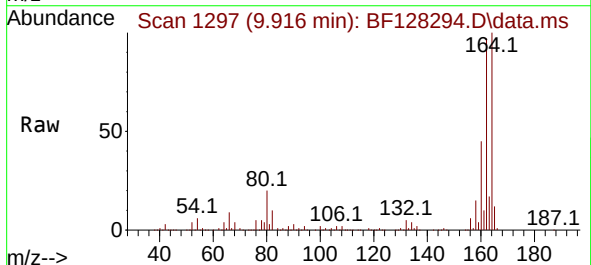
Instrument :
BNA_F
ClientSampleId :
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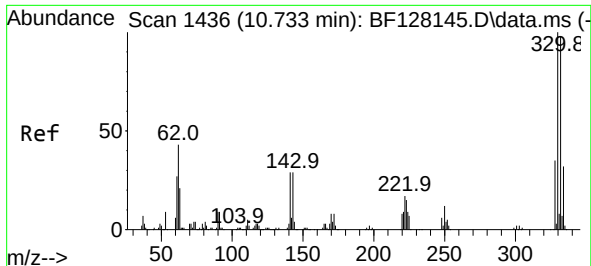
Tgt Ion: 82 Resp: 490064
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:164 Resp: 154948
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 44.9 34.8 52.2

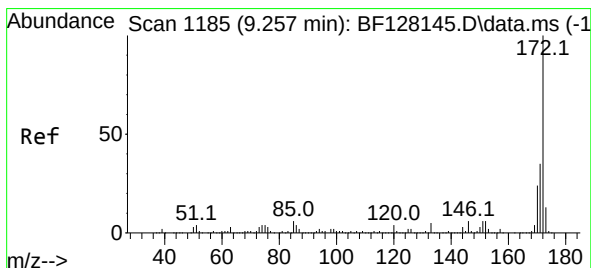
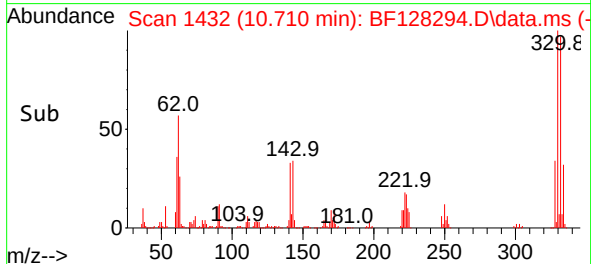
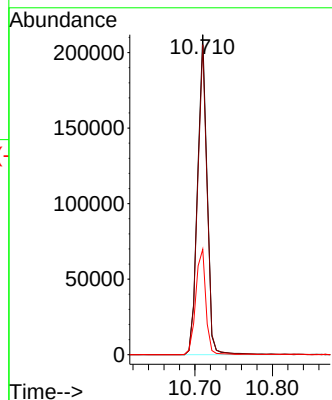
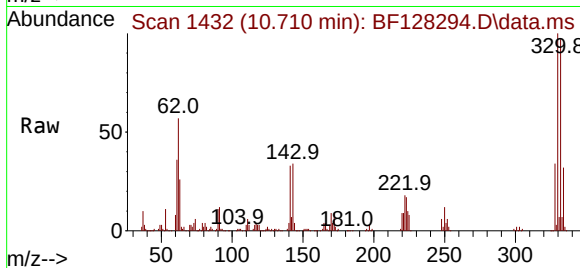




#42
2,4,6-Tribromophenol
Concen: 101.340 ng
RT: 10.710 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

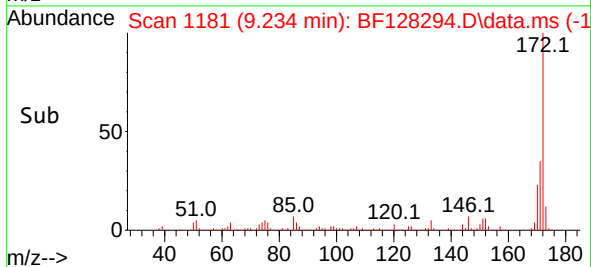
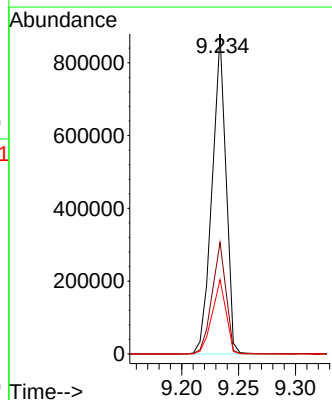
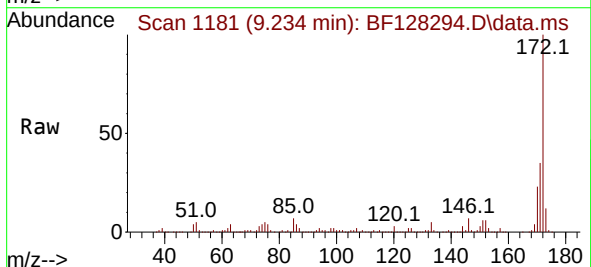
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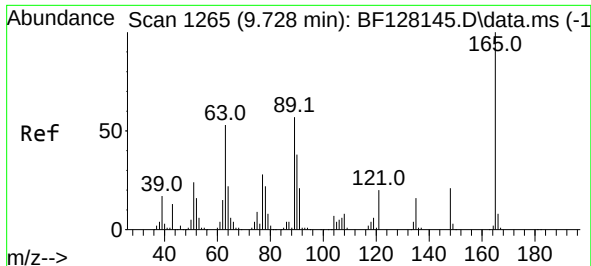
Tgt Ion:330 Resp: 180088
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 35.0 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 75.471 ng
RT: 9.234 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:172 Resp: 747376
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.2 19.1 28.7

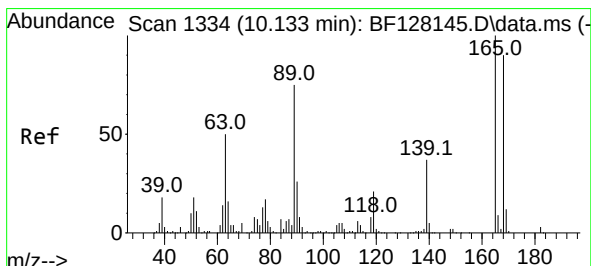
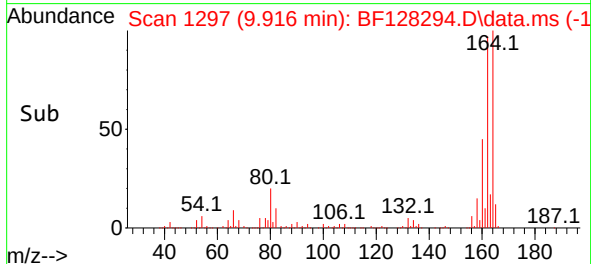
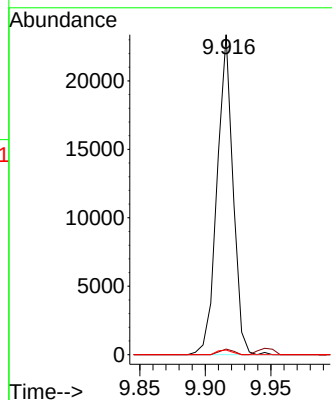
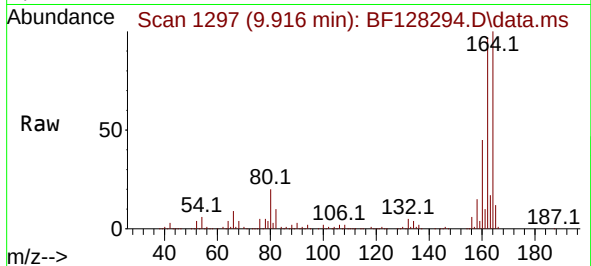




#51
2,6-Dinitrotoluene
Concen: 8.972 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.206 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

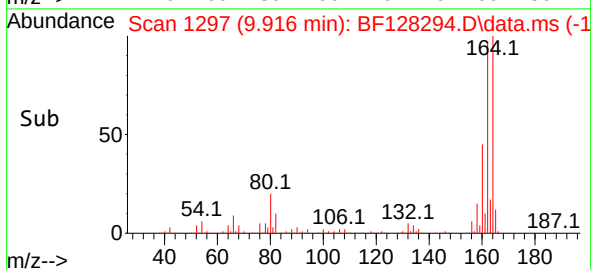
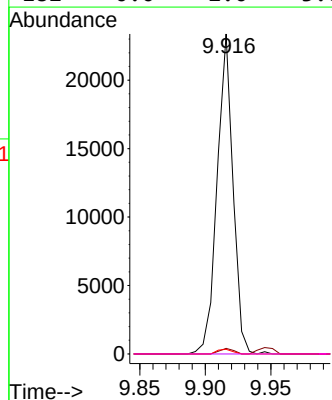
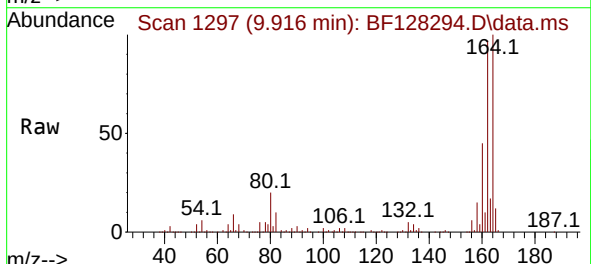
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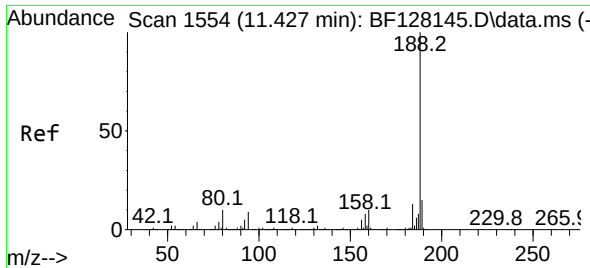
Tgt Ion:165 Resp: 19679
Ion Ratio Lower Upper
165 100
63 1.7 49.5 74.3#
89 1.5 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.710 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.206 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:165 Resp: 19679
Ion Ratio Lower Upper
165 100
63 1.7 32.6 49.0#
89 1.5 55.2 82.8#
182 0.0 2.0 3.0#

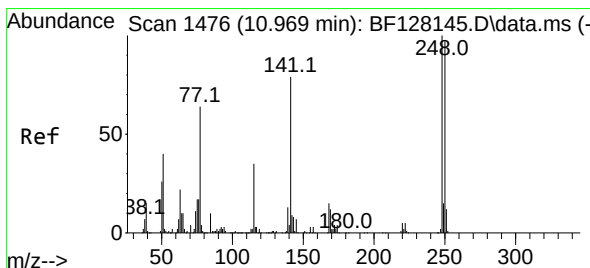
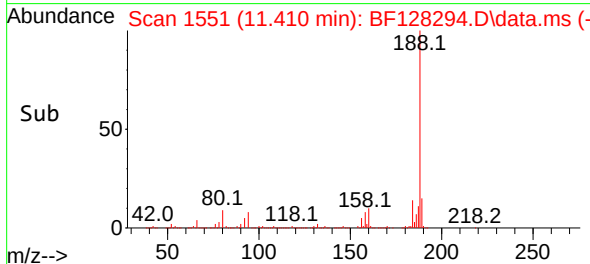
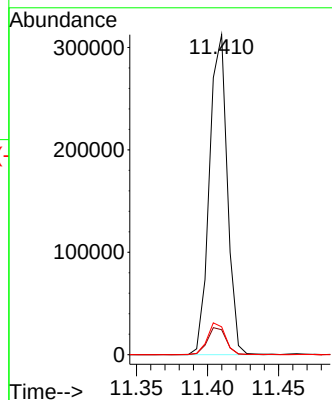
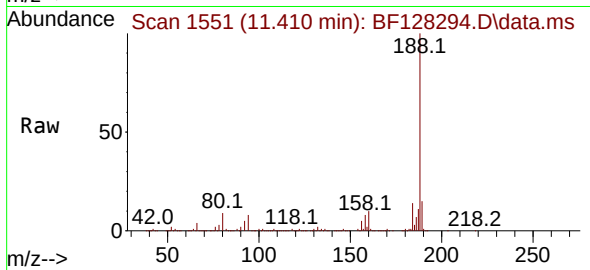




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

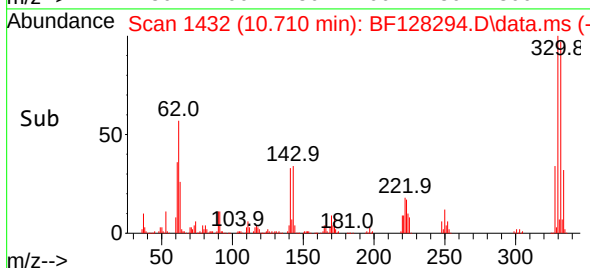
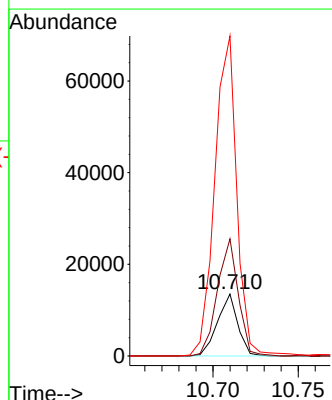
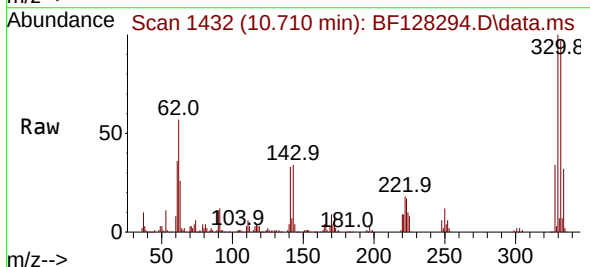
Instrument :
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ClientSampleId :
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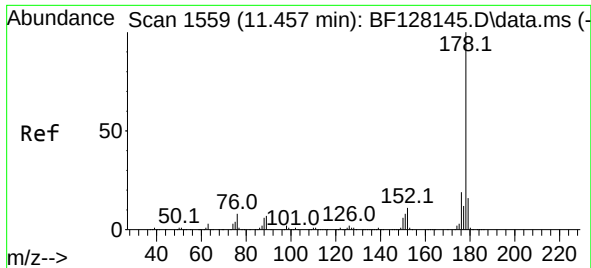
Tgt Ion:188 Resp: 273219
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0#
80 8.7 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.813 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.247 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:248 Resp: 11207
Ion Ratio Lower Upper
248 100
250 189.0 77.7 116.5#
141 516.6 65.6 98.4#

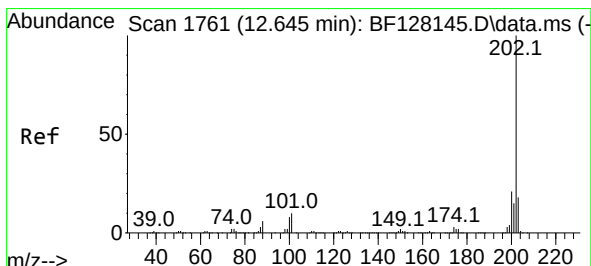
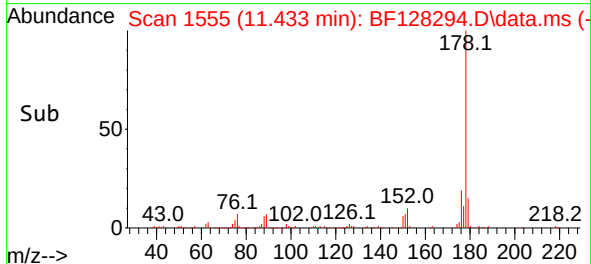
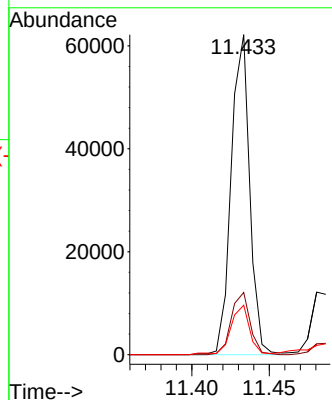
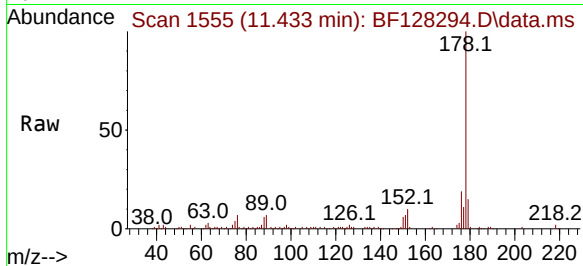




#71
Phenanthrene
Concen: 3.797 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

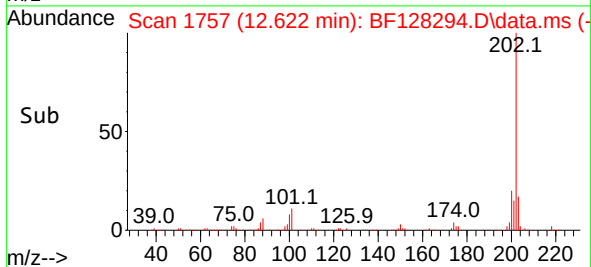
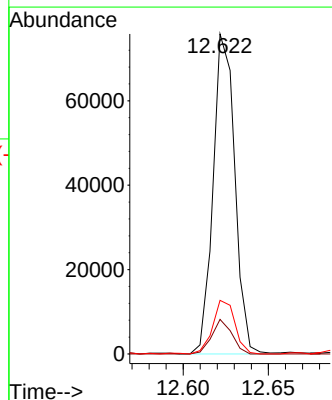
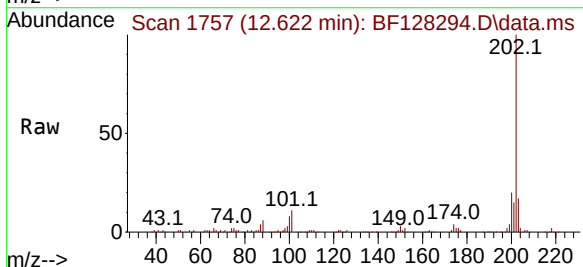
Instrument :
BNA_F
ClientSampleId :
TP2-0516

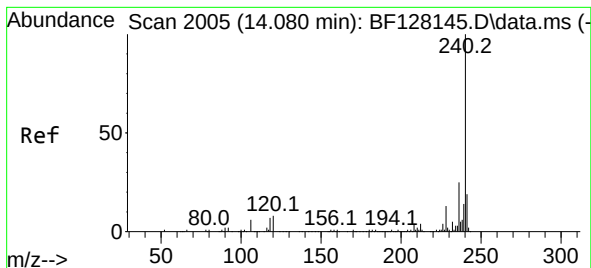
Tgt Ion:178 Resp: 51659
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.6 19.0



#75
Fluoranthene
Concen: 4.559 ng
RT: 12.622 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:202 Resp: 67236
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 16.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

TP2-0516

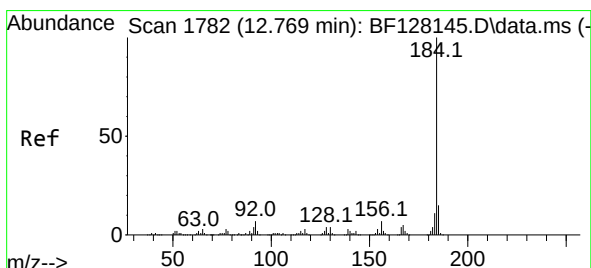
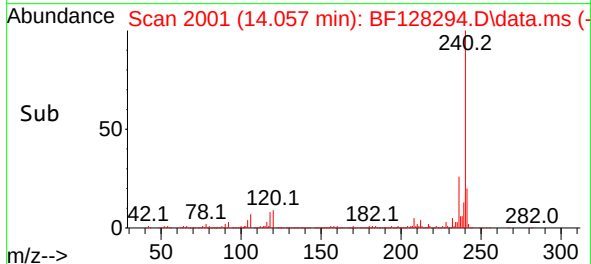
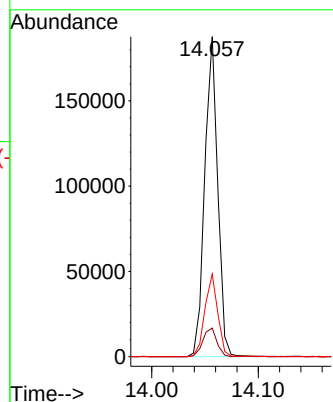
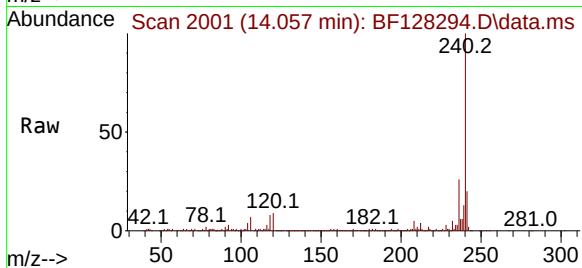
Tgt Ion:240 Resp: 159178

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

236 25.8 20.3 30.5



#77

Benidine

Concen: 2.903 ng

RT: 12.992 min Scan# 1820

Delta R.T. 0.241 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

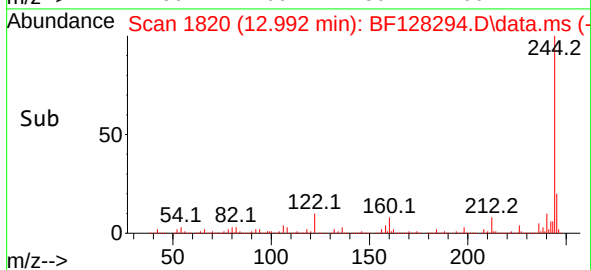
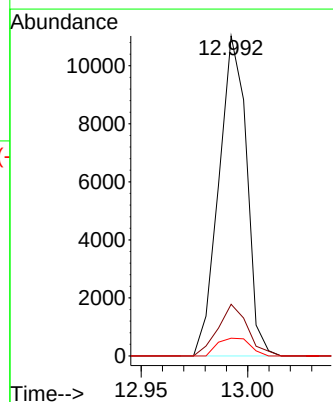
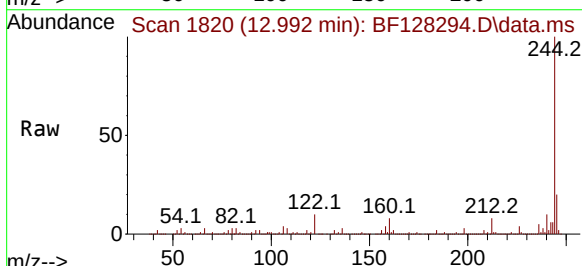
Tgt Ion:184 Resp: 10008

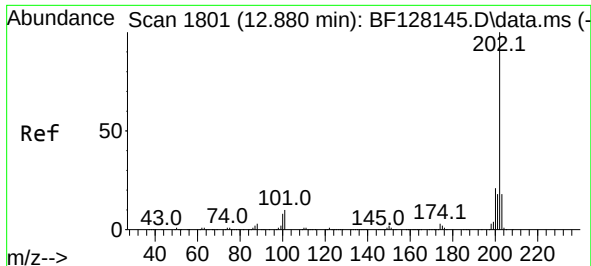
Ion Ratio Lower Upper

184 100

185 16.2 12.1 18.1

183 5.6 9.0 13.4#

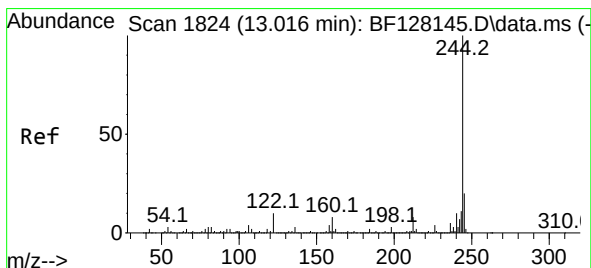
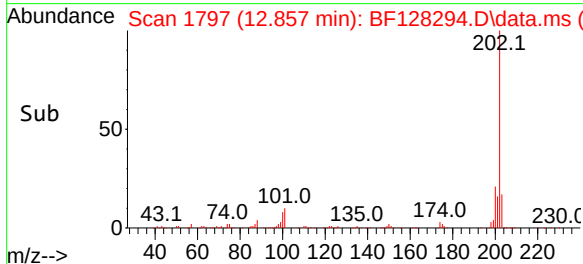
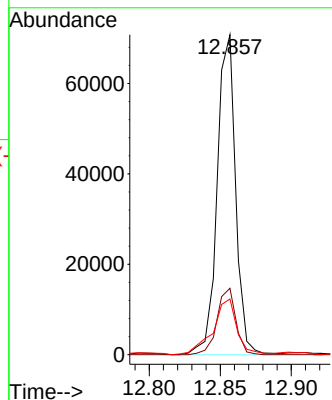
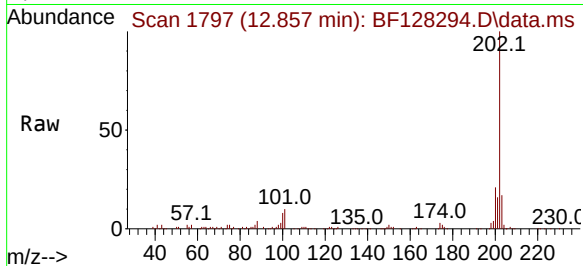




#78
 Pyrene
 Concen: 5.546 ng
 RT: 12.857 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128294.D
 Acq: 17 May 2022 16:43

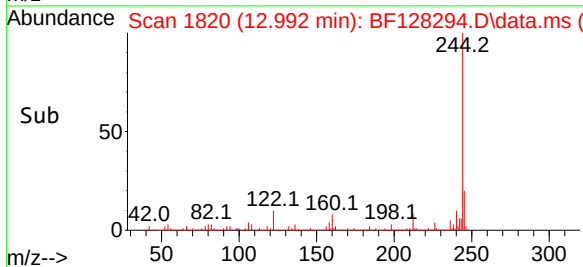
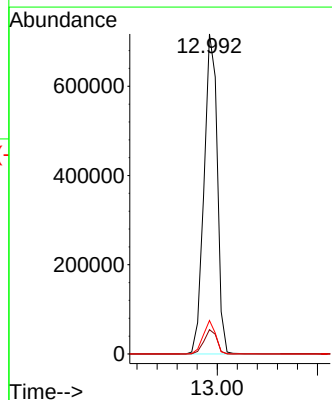
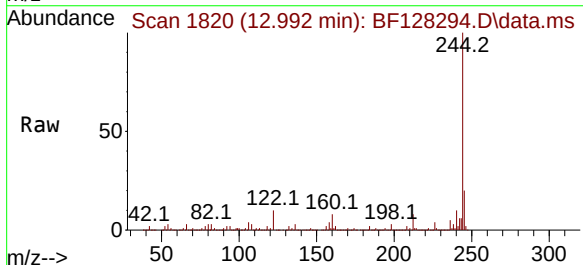
Instrument :
 BNA_F
 ClientSampleId :
 TP2-0516

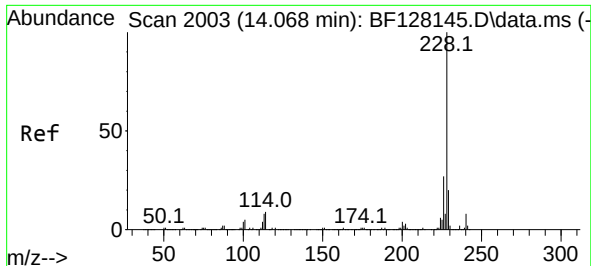
Tgt Ion:202 Resp: 64016
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.4 14.0 21.0



#79
 Terphenyl-d14
 Concen: 77.859 ng
 RT: 12.992 min Scan# 1820
 Delta R.T. -0.012 min
 Lab File: BF128294.D
 Acq: 17 May 2022 16:43

Tgt Ion:244 Resp: 660484
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 10.5 8.6 12.8

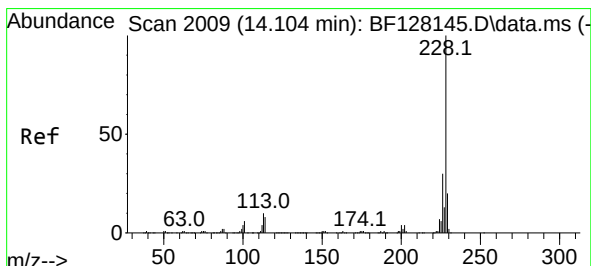
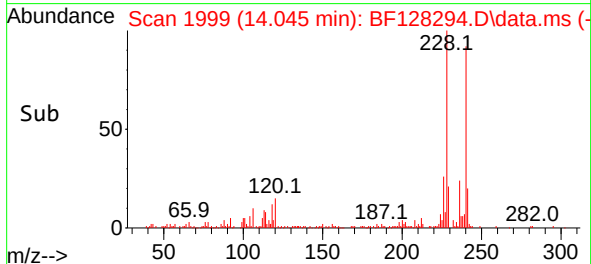
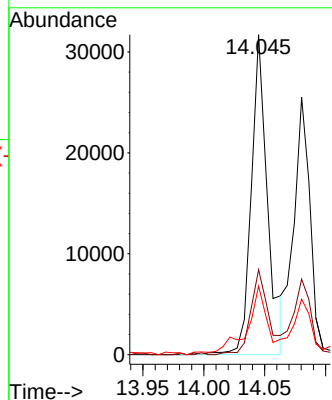
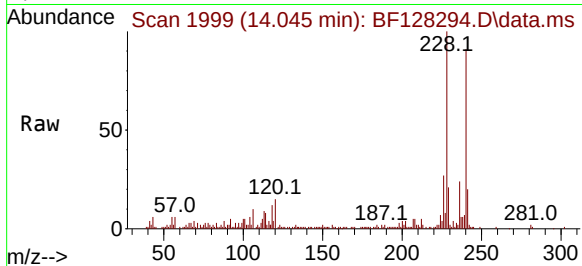




#81
Benzo(a)anthracene
Concen: 2.902 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

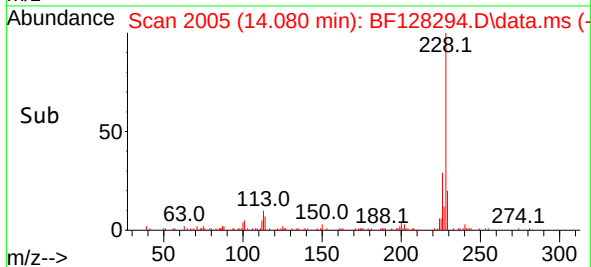
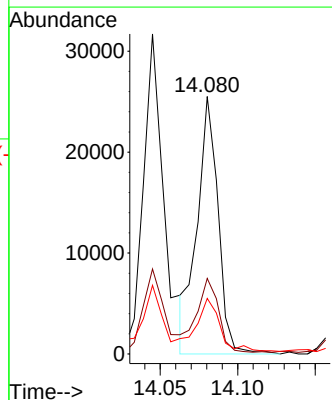
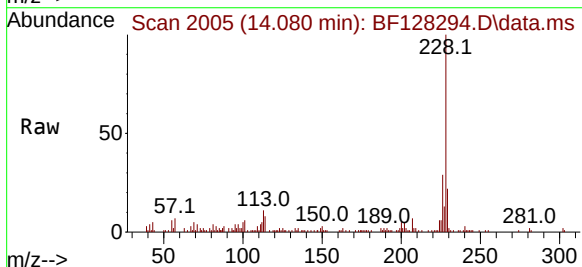
Instrument :
BNA_F
ClientSampleId :
TP2-0516

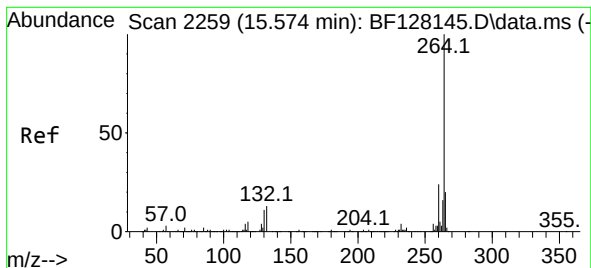
Tgt Ion:228 Resp: 29507
Ion Ratio Lower Upper
228 100
226 26.5 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 2.479 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:228 Resp: 24049
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

TP2-0516

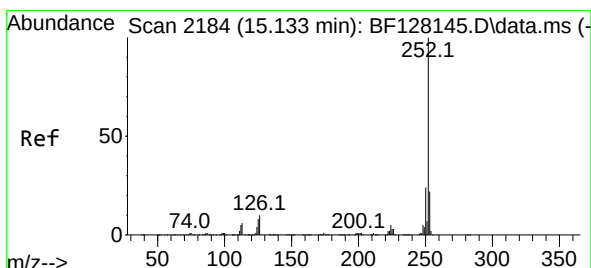
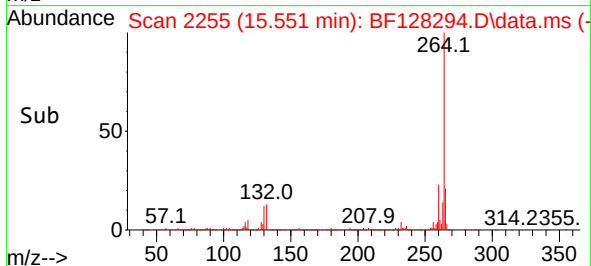
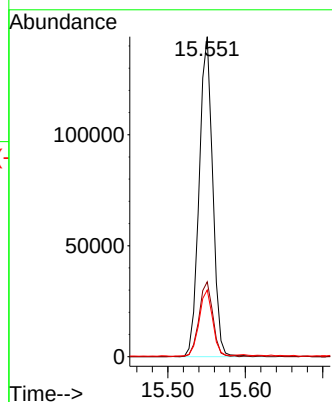
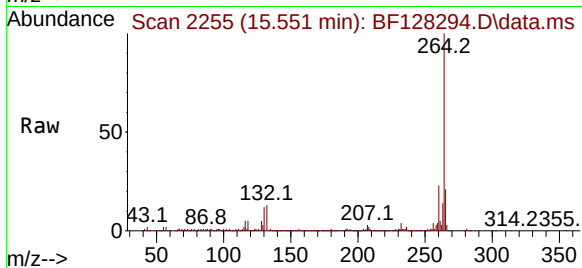
Tgt Ion:264 Resp: 175256

Ion Ratio Lower Upper

264 100

260 23.4 20.1 30.1

265 20.8 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.904 ng

RT: 15.110 min Scan# 2180

Delta R.T. -0.006 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

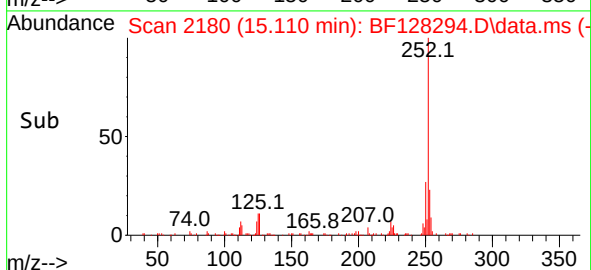
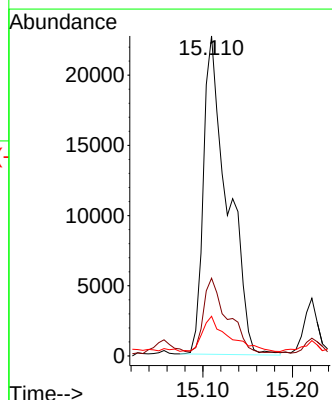
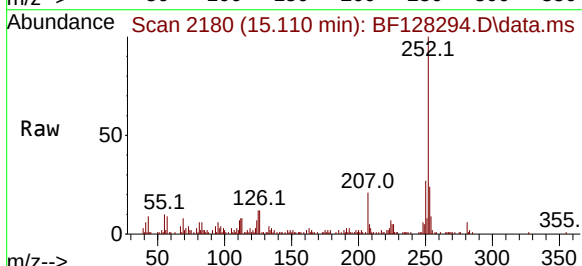
Tgt Ion:252 Resp: 42415

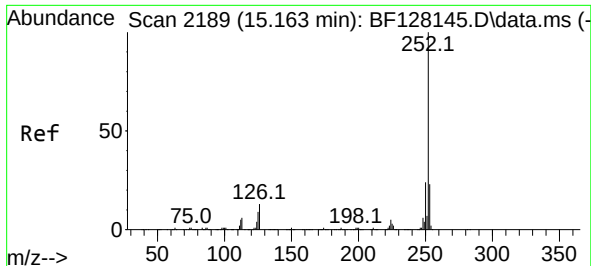
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 12.4 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.955 ng

RT: 15.110 min Scan# 2189

Delta R.T. -0.041 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

TP2-0516

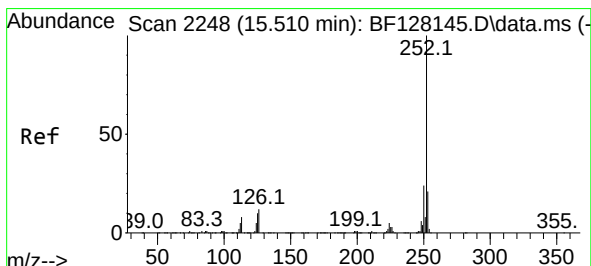
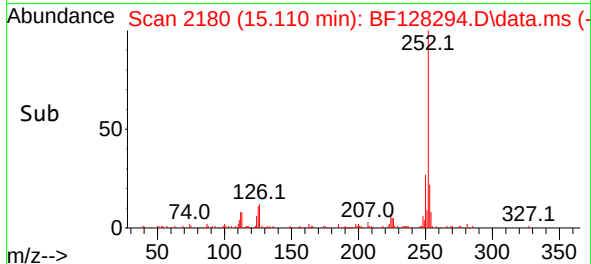
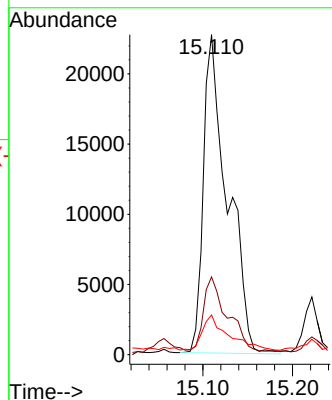
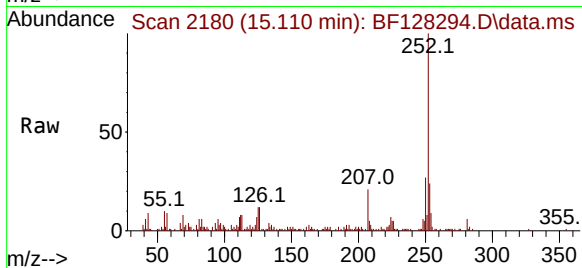
Tgt Ion:252 Resp: 42415

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.4

125 12.4 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 2.741 ng

RT: 15.486 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF128294.D

Acq: 17 May 2022 16:43

Tgt Ion:252 Resp: 24039

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

125 9.3 9.2 13.8

