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 Data File : BF128319.D
 Acq On : 18 May 2022 18:56
 Operator : CG\JU
 Sample : N2906-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

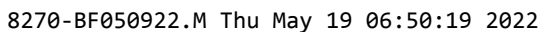
Instrument :
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 ClientSampleId :
 CDF-2

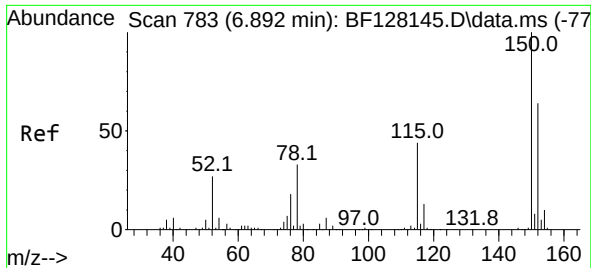
Quant Time: May 19 06:50:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	81052	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	311598	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	168828	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	272276	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162863	20.000	ng	0.00
86) Perylene-d12	15.539	264	185511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	504960	99.316	ng	0.00
7) Phenol-d6	6.504	99	659061	98.003	ng	0.00
23) Nitrobenzene-d5	7.434	82	481151	69.481	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	158834	82.032	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	738792	68.471	ng	0.00
79) Terphenyl-d14	12.986	244	600044	69.134	ng	0.00
Target Compounds						
9) Benzaldehyde	6.393	77	56	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	65593	15.839	ng	# 82
25) Isophorone	7.434	82	481147	44.318	ng	# 68
51) 2,6-Dinitrotoluene	9.910	165	21875	9.153	ng	# 21
56) 4-Nitrophenol	10.116	139	4965	2.742	ng	# 5
57) 2,4-Dinitrotoluene	9.910	165	21875	6.845	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	9408	3.212	ng	# 1
71) Phenanthrene	11.422	178	192807	14.221	ng	98
72) Anthracene	11.475	178	84668	6.255	ng	98
75) Fluoranthene	12.616	202	282562	19.224	ng	98
77) Benzidine	12.986	184	9148	2.593	ng	# 91
78) Pyrene	12.845	202	231206	19.579	ng	99
81) Benzo(a)anthracene	14.074	228	135573	13.033	ng	96
83) Chrysene	14.074	228	135573	13.659	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	78141	6.963	ng	96
88) Benzo(b)fluoranthene	15.098	252	222414	19.341	ng	98
89) Benzo(k)fluoranthene	15.098	252	222414	19.593	ng	97
90) Benzo(a)pyrene	15.474	252	141107	15.199	ng	98
91) Dibenzo(a,h)anthracene	17.227	278	24308	2.676	ng	94
92) Benzo(g,h,i)perylene	17.504	276	67546	7.343	ng	99

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

Quant Time: May 19 06:50:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 06:47:51 2022
Response via : Initial Calibration

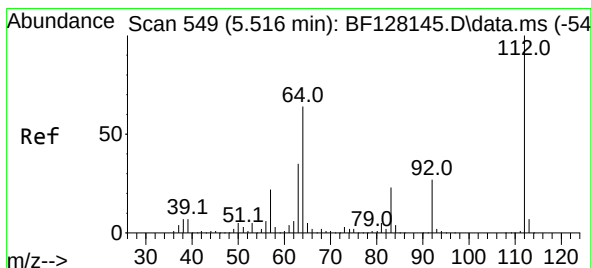
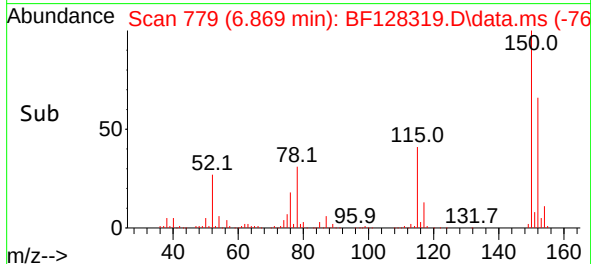
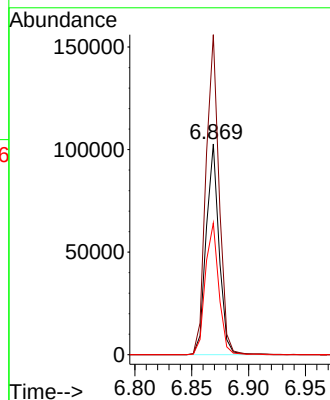
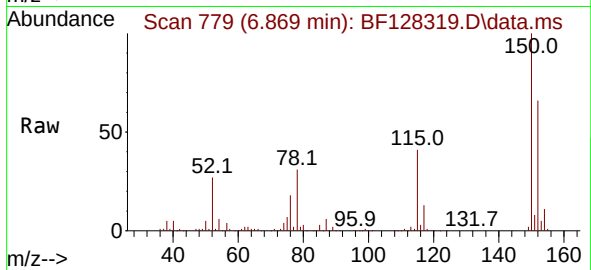




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

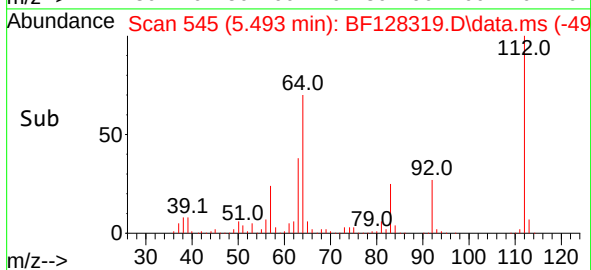
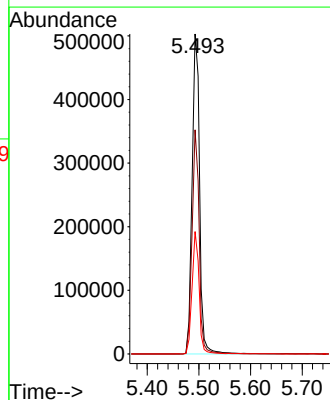
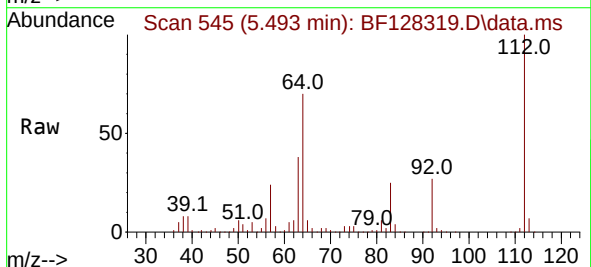
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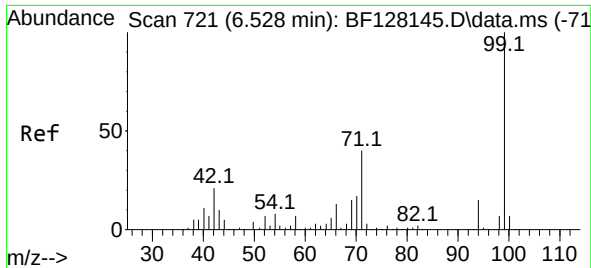
Tgt Ion:152 Resp: 81052
Ion Ratio Lower Upper
152 100
150 151.9 125.3 187.9
115 62.5 48.8 73.2



#5
2-Fluorophenol
Concen: 99.316 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:112 Resp: 504960
Ion Ratio Lower Upper
112 100
64 70.1 49.5 74.3
63 38.2 26.3 39.5

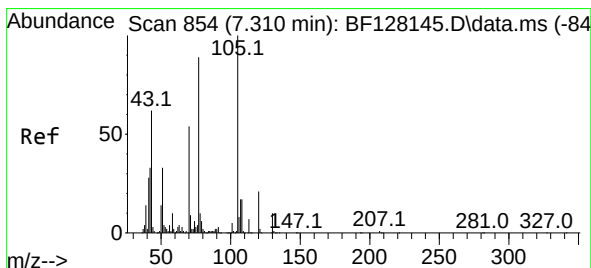
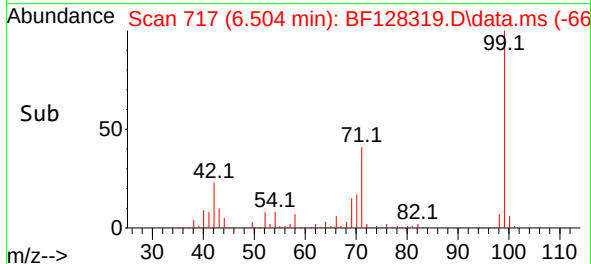
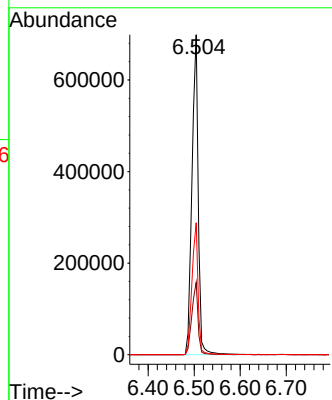
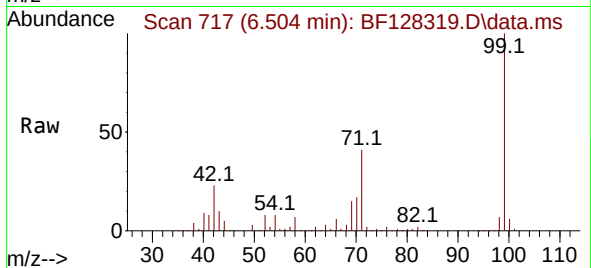




#7
Phenol-d6
Concen: 98.003 ng
RT: 6.504 min Scan# 717
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

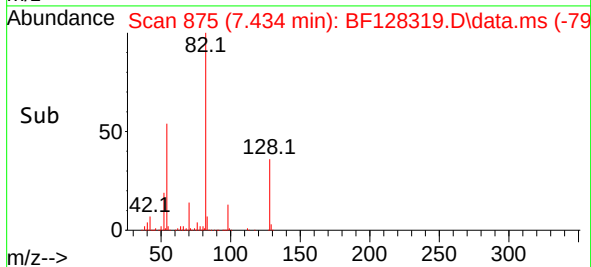
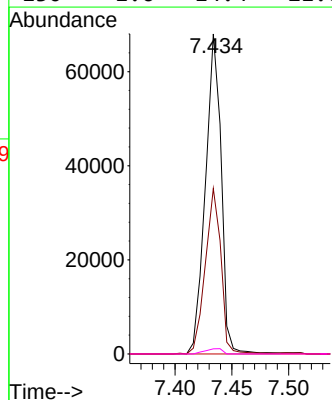
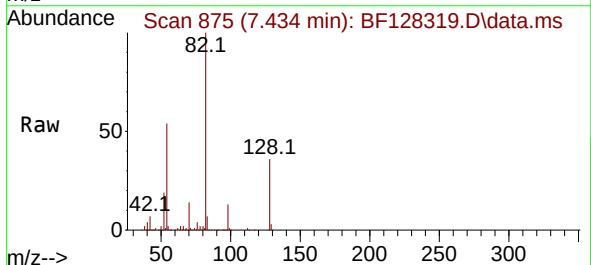
Instrument :
BNA_F
ClientSampleId :
CDF-2

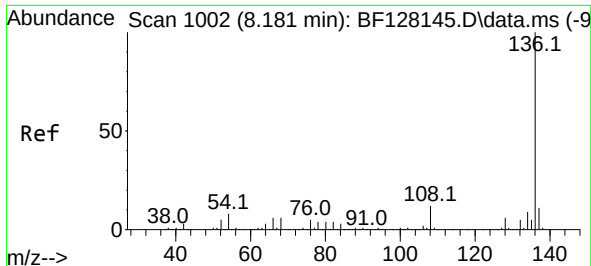
Tgt Ion: 99 Resp: 659061
Ion Ratio Lower Upper
99 100
42 22.6 16.6 24.8
71 41.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.839 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.147 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion: 70 Resp: 65593
Ion Ratio Lower Upper
70 100
42 51.7 48.7 73.1
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

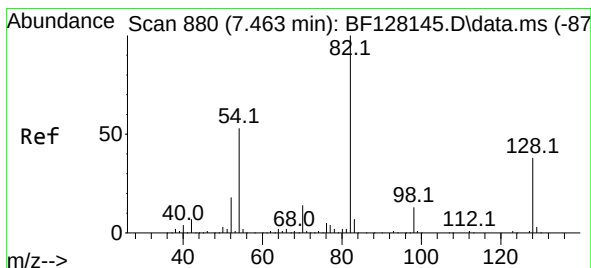
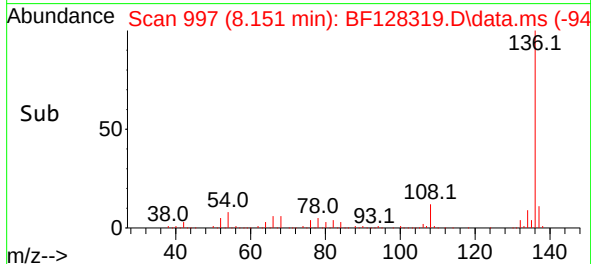
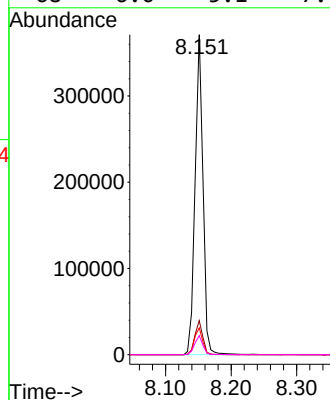
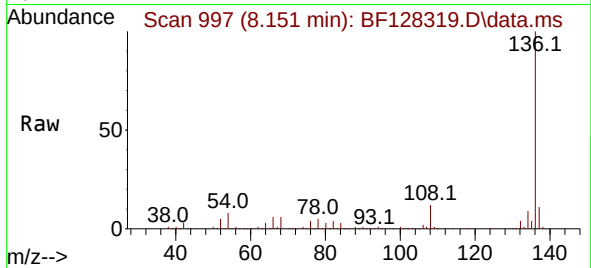




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

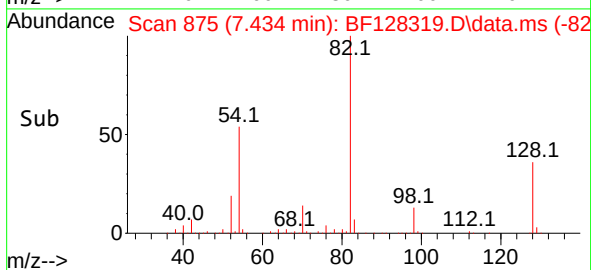
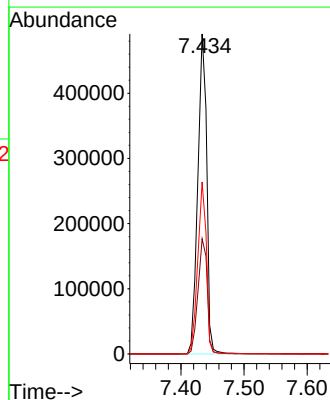
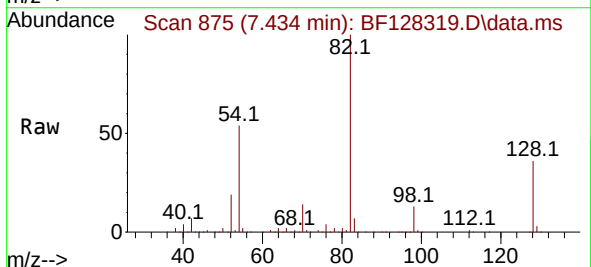
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ClientSampleId :
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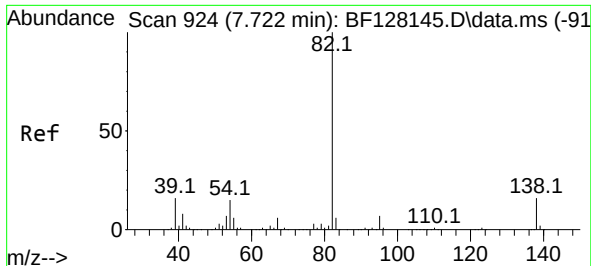
Tgt Ion:136 Resp: 311598
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.8 10.2
68 6.0 5.1 7.7



#23
Nitrobenzene-d5
Concen: 69.481 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion: 82 Resp: 481151
Ion Ratio Lower Upper
82 100
128 36.0 30.0 45.0
54 53.8 41.3 61.9

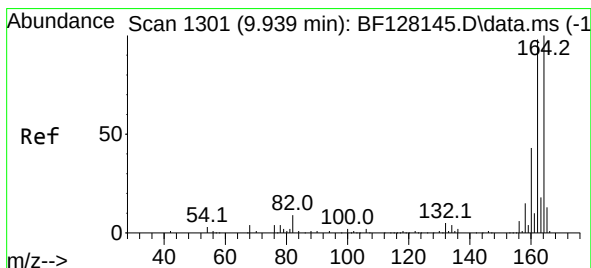
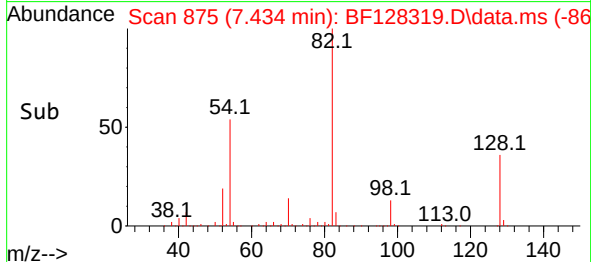
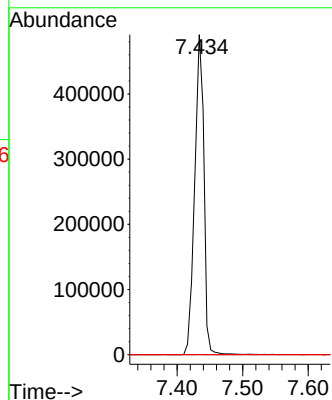
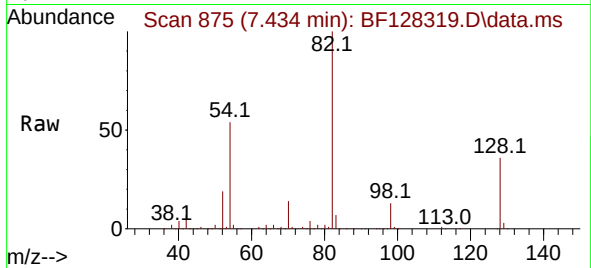




#25
Isophorone
Concen: 44.318 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

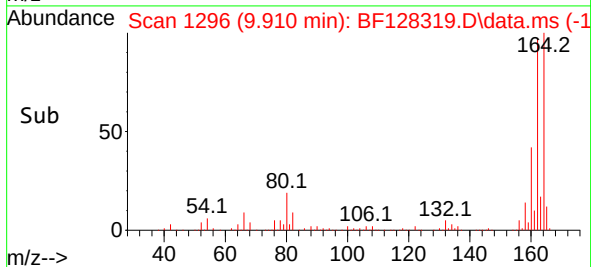
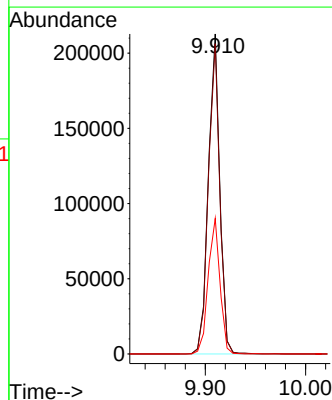
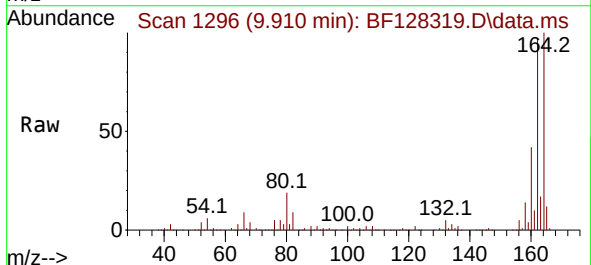
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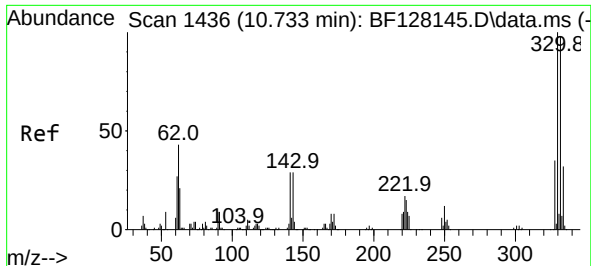
Tgt Ion: 82 Resp: 481147
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:164 Resp: 168828
Ion Ratio Lower Upper
164 100
162 97.0 76.0 114.0
160 42.3 34.8 52.2

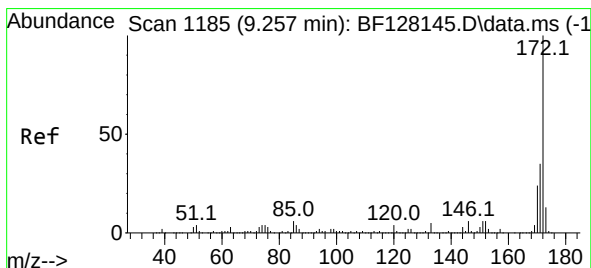
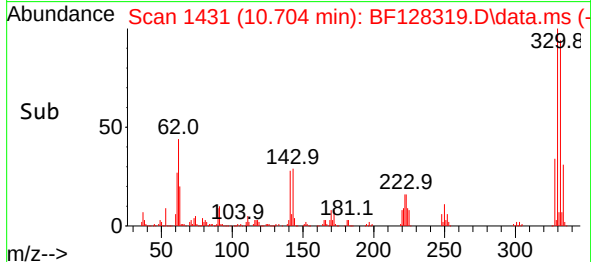
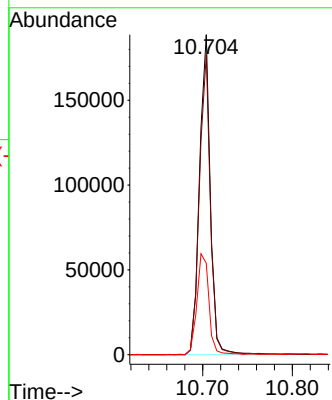
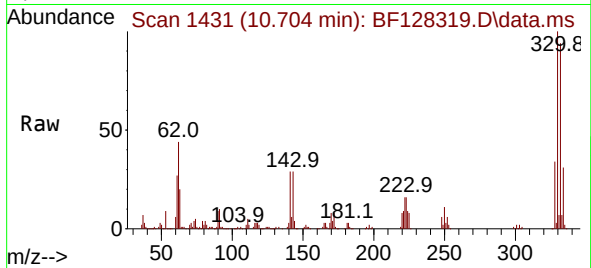




#42
2,4,6-Tribromophenol
Concen: 82.032 ng
RT: 10.704 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

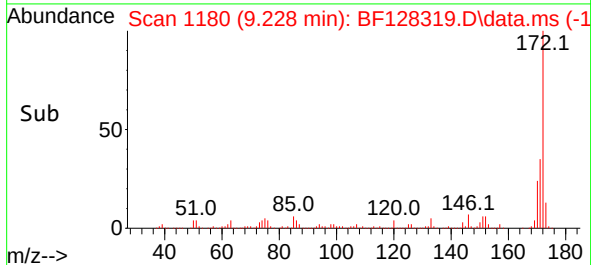
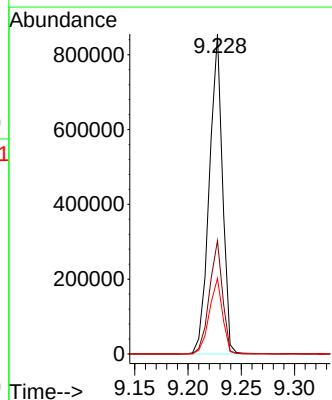
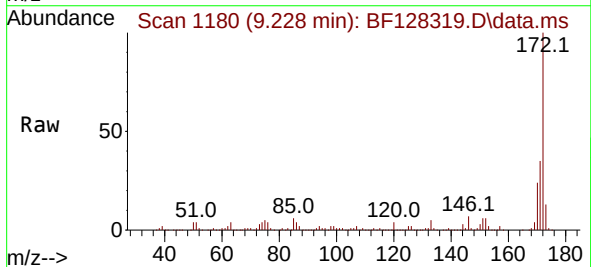
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ClientSampleId :
CDF-2

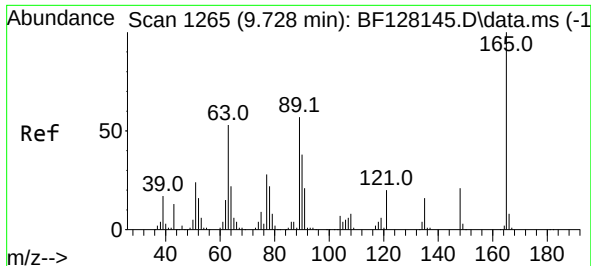
Tgt Ion:330 Resp: 158834
Ion Ratio Lower Upper
330 100
332 95.0 79.0 118.4
141 34.8 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 68.471 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:172 Resp: 738792
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.6 19.1 28.7

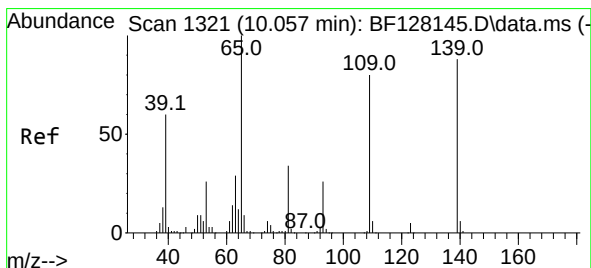
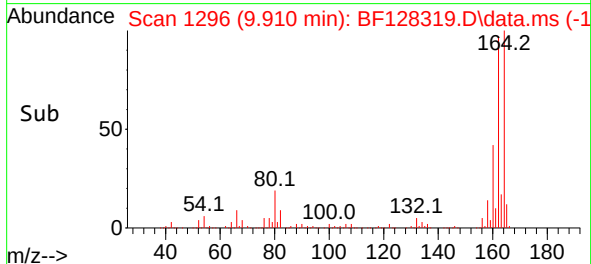
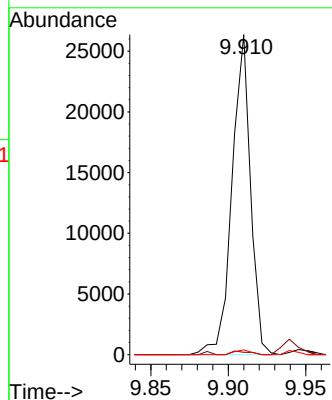
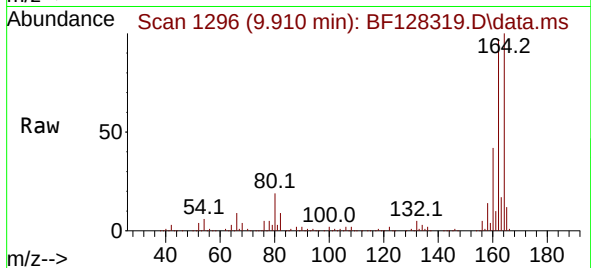




#51
2,6-Dinitrotoluene
Concen: 9.153 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

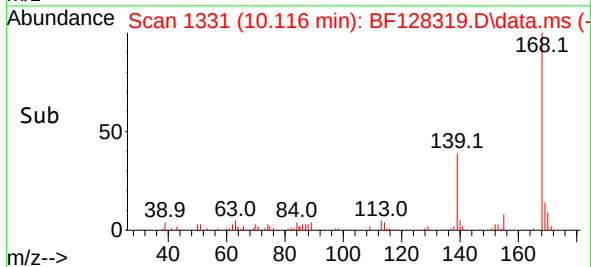
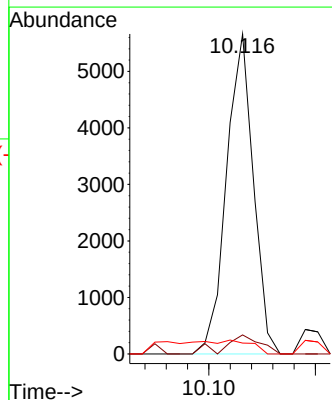
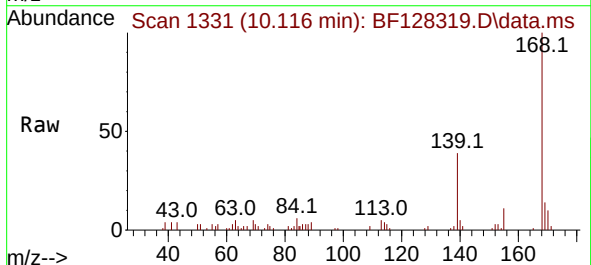
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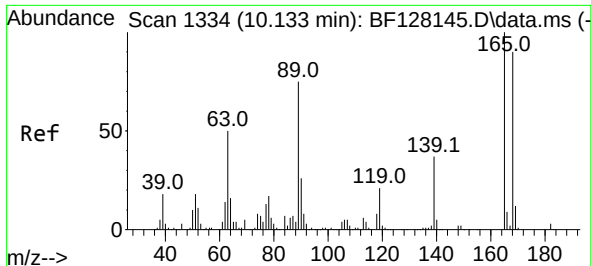
Tgt Ion:165 Resp: 21875
Ion Ratio Lower Upper
165 100
63 0.8 49.5 74.3#
89 1.5 49.0 73.4#



#56
4-Nitrophenol
Concen: 2.742 ng
RT: 10.116 min Scan# 1331
Delta R.T. 0.071 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:139 Resp: 4965
Ion Ratio Lower Upper
139 100
109 6.0 61.9 101.9#
65 3.4 93.5 133.5#

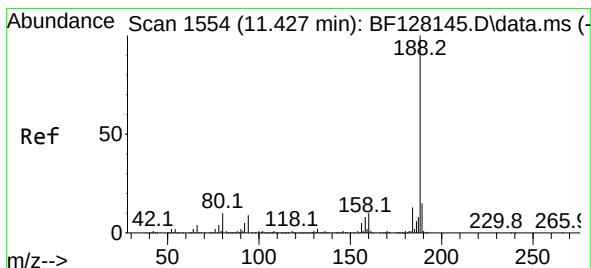
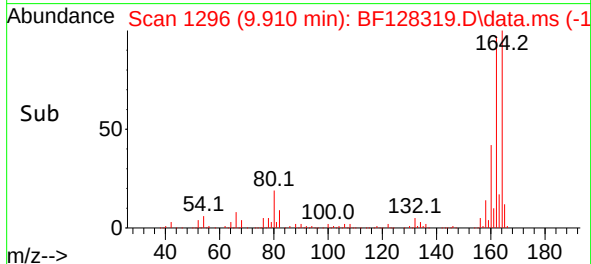
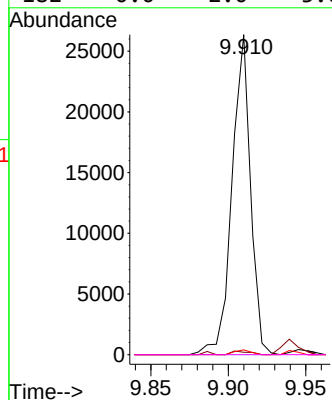
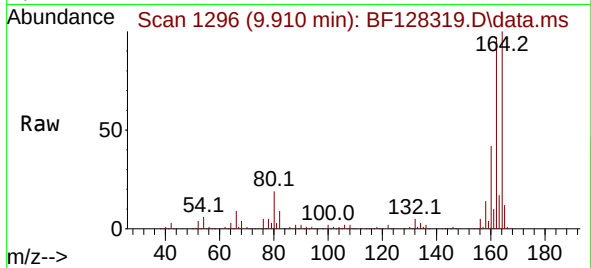




#57
2,4-Dinitrotoluene
Concen: 6.845 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

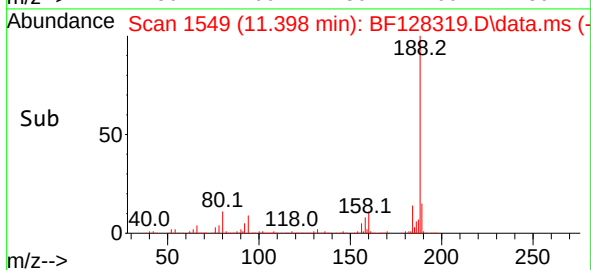
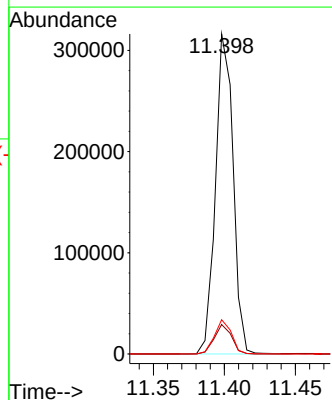
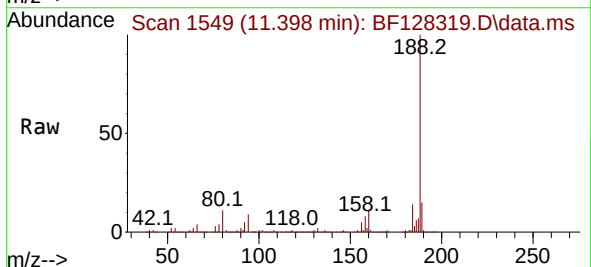
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ClientSampleId :
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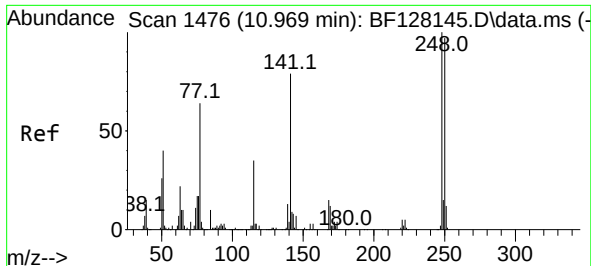
Tgt Ion:165 Resp: 21875
Ion Ratio Lower Upper
165 100
63 0.8 32.6 49.0#
89 1.5 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:188 Resp: 272276
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.7 8.9 13.3





#67

4-Bromophenyl-phenylether

Concen: 3.212 ng

RT: 10.704 min Scan# 14

Delta R.T. -0.241 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

CDF-2

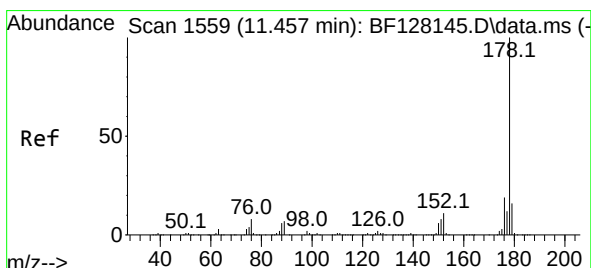
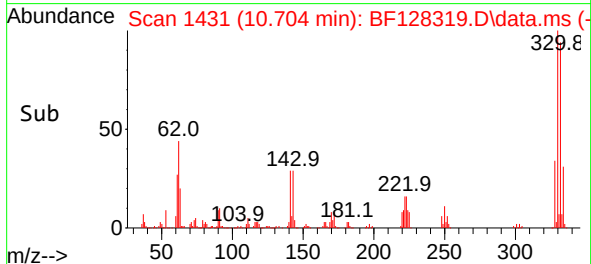
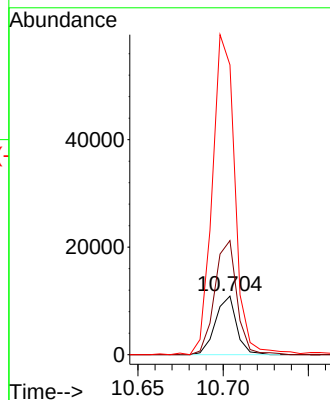
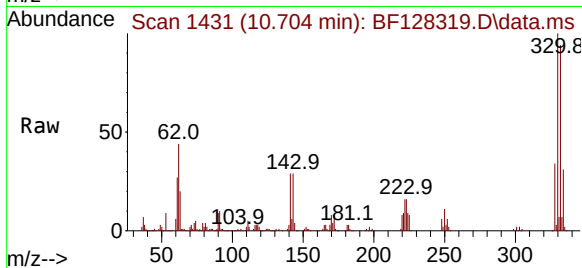
Tgt Ion:248 Resp: 9408

Ion Ratio Lower Upper

248 100

250 194.9 77.7 116.5#

141 495.3 65.6 98.4#



#71

Phenanthrene

Concen: 14.221 ng

RT: 11.422 min Scan# 1553

Delta R.T. -0.012 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

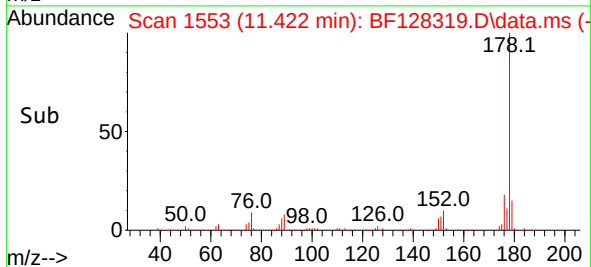
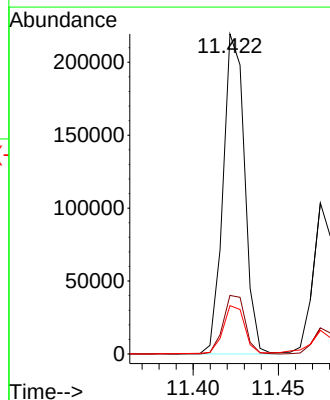
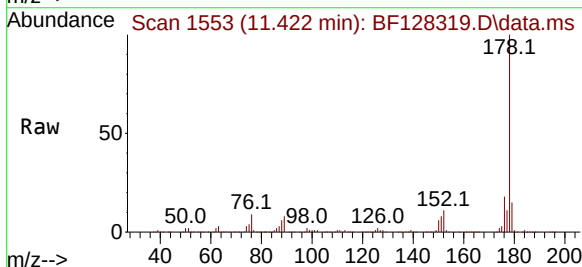
Tgt Ion:178 Resp: 192807

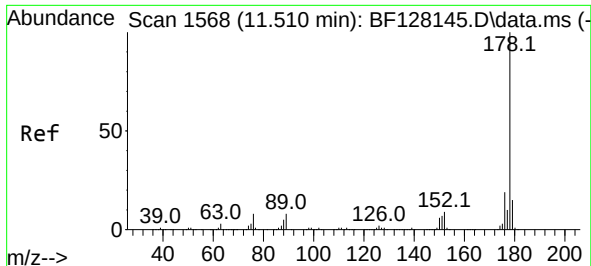
Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

179 15.1 12.6 19.0

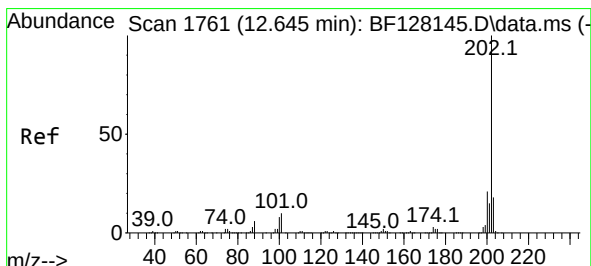
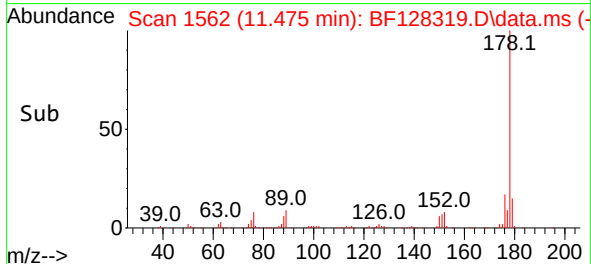
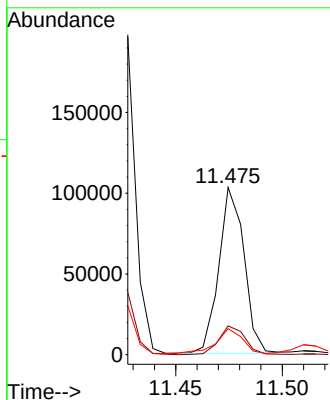
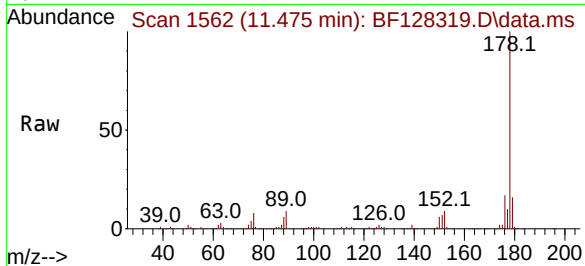




#72
 Anthracene
 Concen: 6.255 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

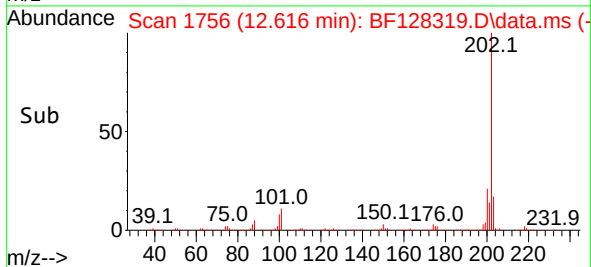
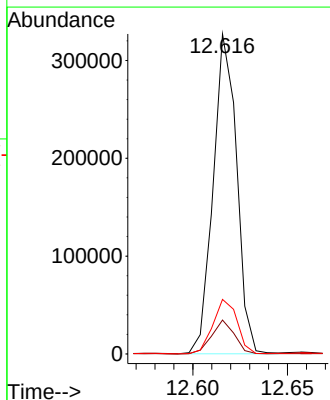
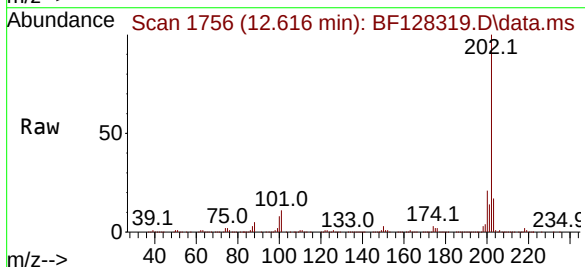
Instrument :
 BNA_F
 ClientSampleId :
 CDF-2

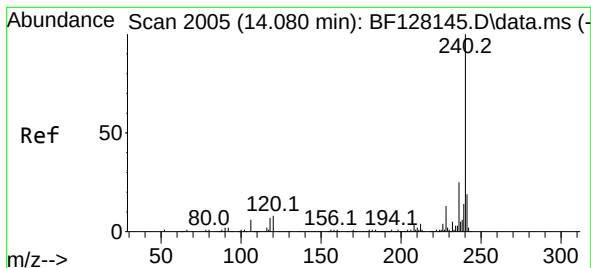
Tgt Ion:178 Resp: 84668
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 15.6 12.4 18.6



#75
 Fluoranthene
 Concen: 19.224 ng
 RT: 12.616 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BF128319.D
 Acq: 18 May 2022 18:56

Tgt Ion:202 Resp: 282562
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 17.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

CDF-2

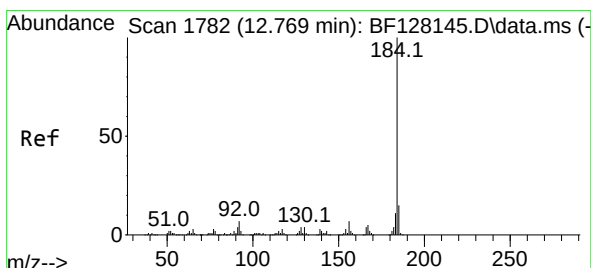
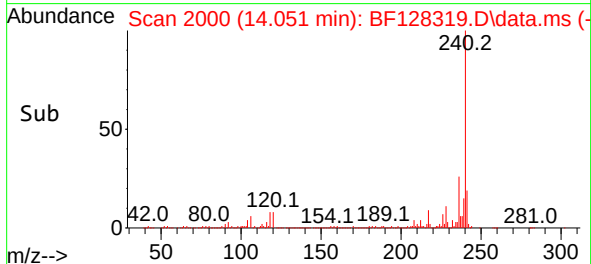
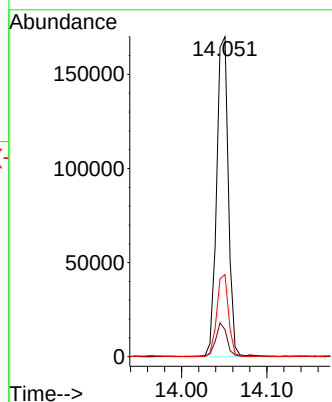
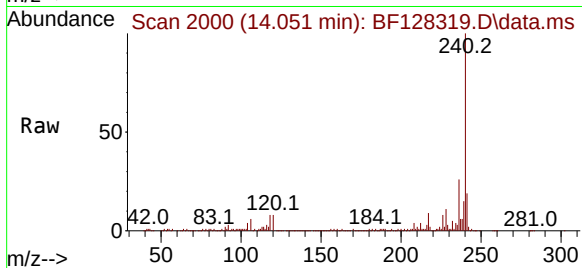
Tgt Ion:240 Resp: 162863

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

236 25.6 20.3 30.5



#77

Benzidine

Concen: 2.593 ng

RT: 12.986 min Scan# 1819

Delta R.T. 0.241 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

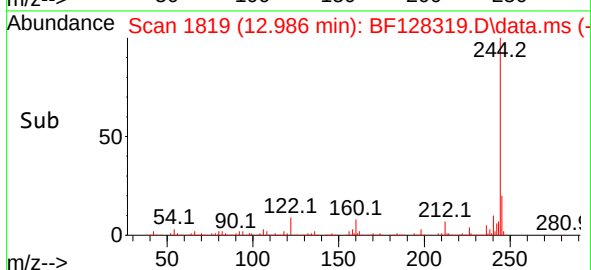
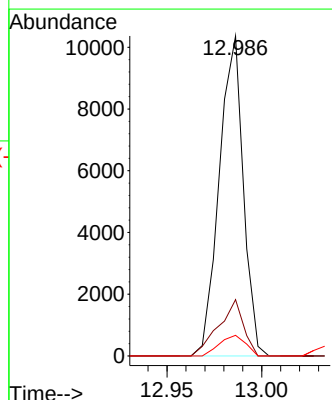
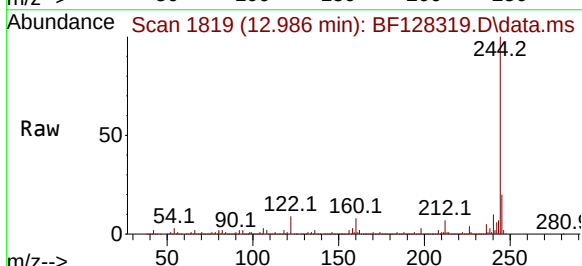
Tgt Ion:184 Resp: 9148

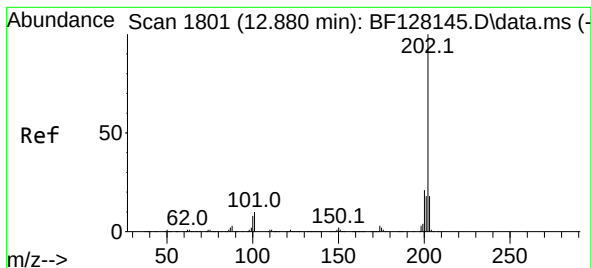
Ion Ratio Lower Upper

184 100

185 17.6 12.1 18.1

183 6.4 9.0 13.4#





#78

Pyrene

Concen: 19.579 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

CDF-2

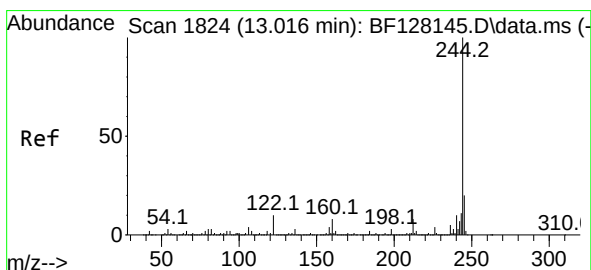
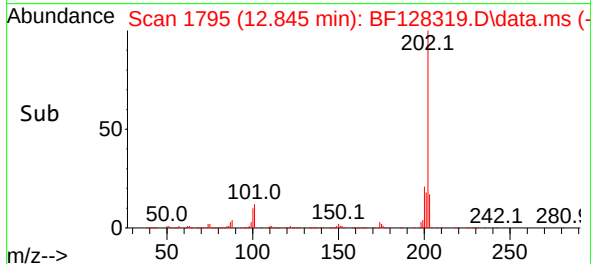
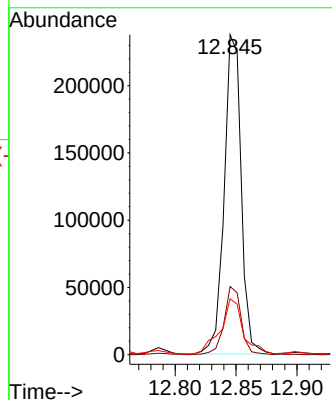
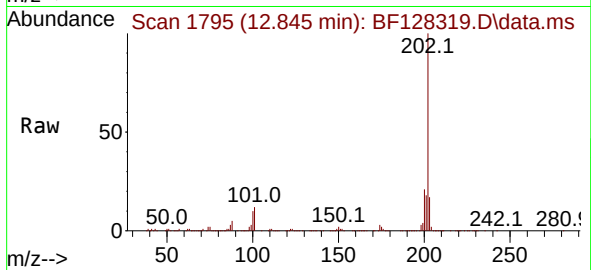
Tgt Ion:202 Resp: 231206

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

203 17.4 14.0 21.0



#79

Terphenyl-d14

Concen: 69.134 ng

RT: 12.986 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF128319.D

Acq: 18 May 2022 18:56

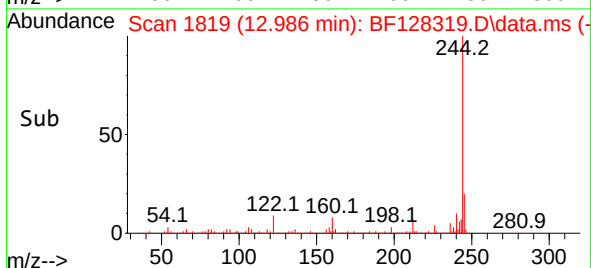
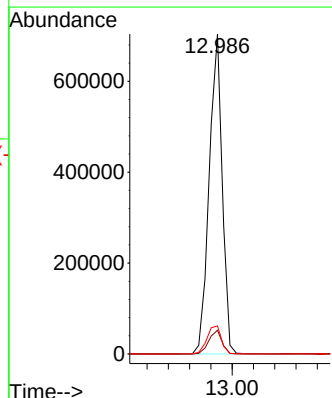
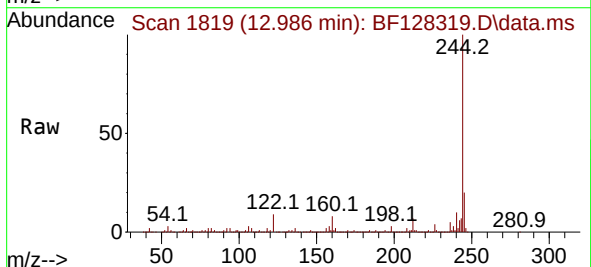
Tgt Ion:244 Resp: 600044

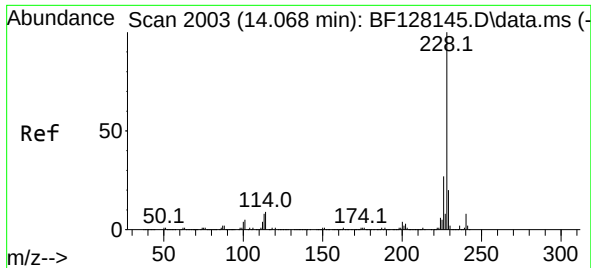
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 8.8 8.6 12.8

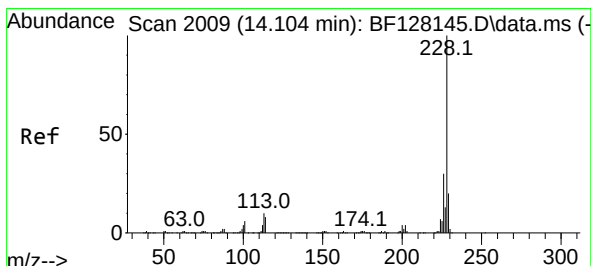
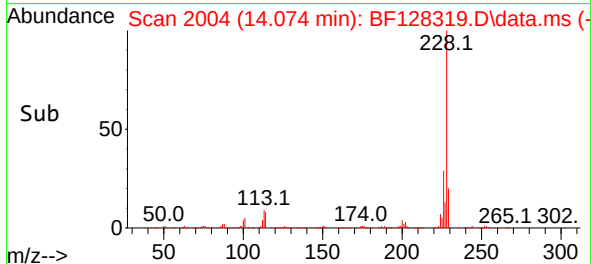
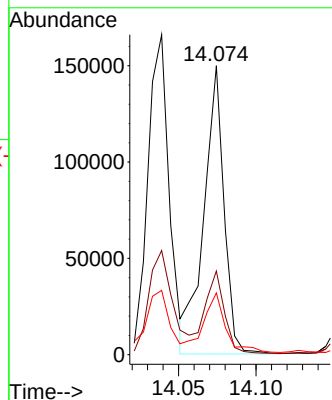
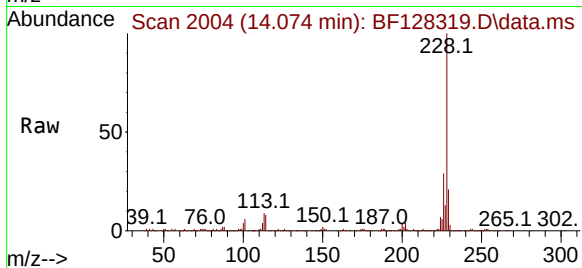




#81
Benzo(a)anthracene
Concen: 13.033 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.030 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

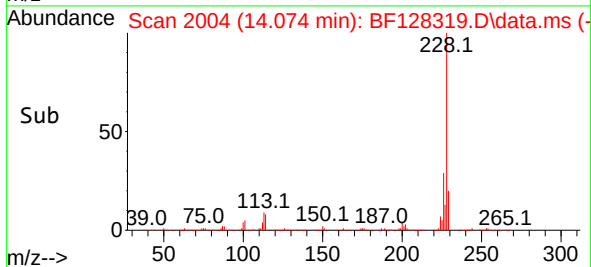
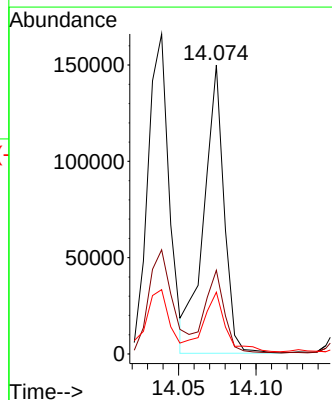
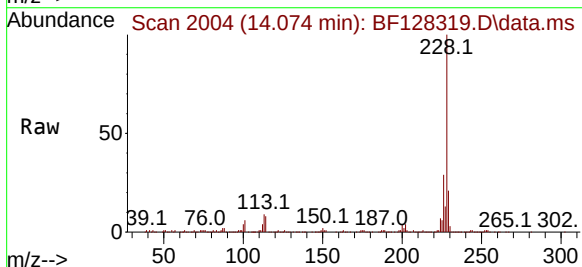
Instrument :
BNA_F
ClientSampleId :
CDF-2

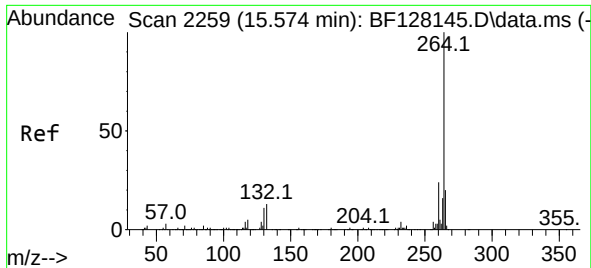
Tgt Ion:228 Resp: 135573
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 13.659 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:228 Resp: 135573
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 21.4 15.8 23.8

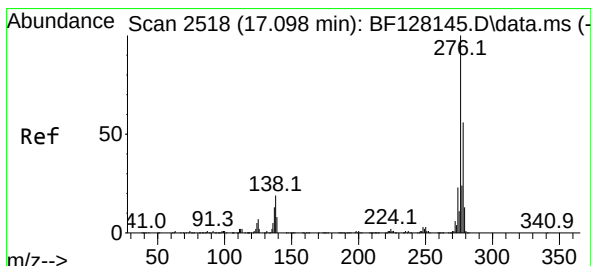
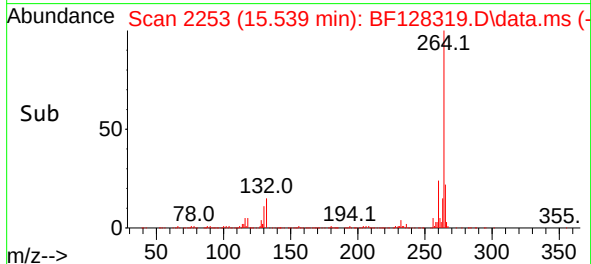
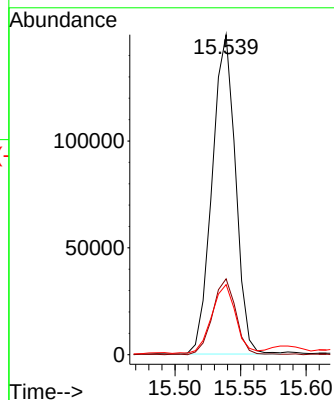
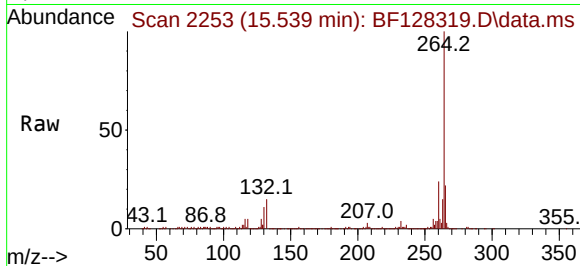




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

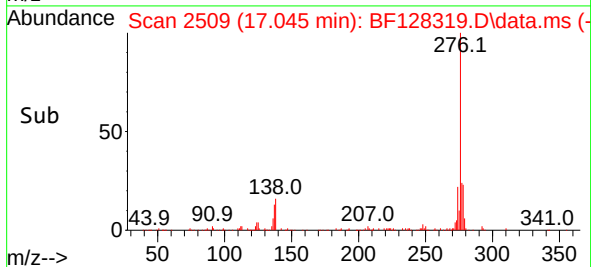
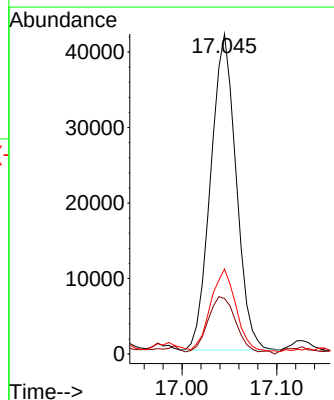
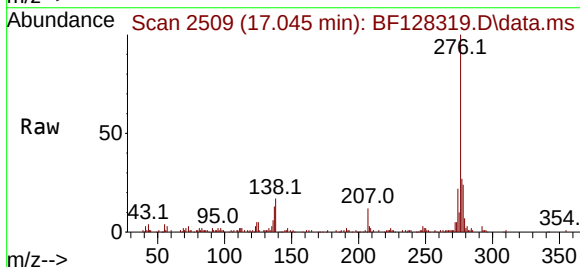
Instrument :
BNA_F
ClientSampleId :
CDF-2

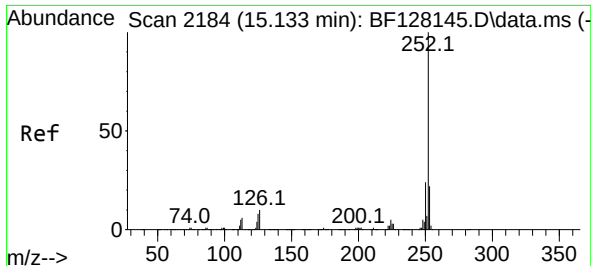
Tgt Ion:264 Resp: 185511
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 21.9 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.963 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.017 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:276 Resp: 78141
Ion Ratio Lower Upper
276 100
138 20.6 19.0 28.4
277 26.1 20.1 30.1

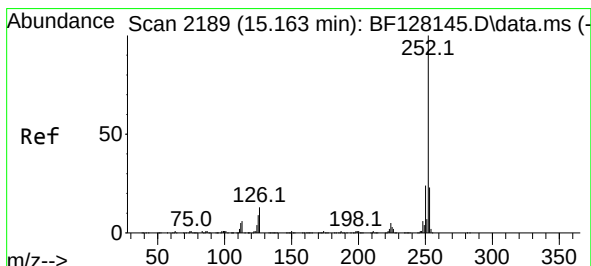
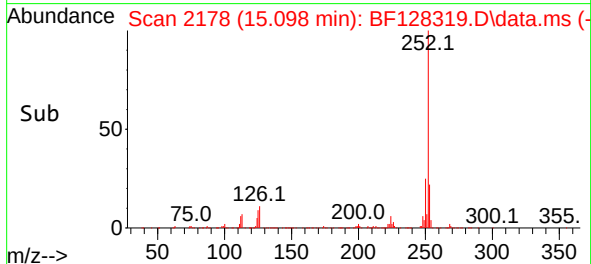
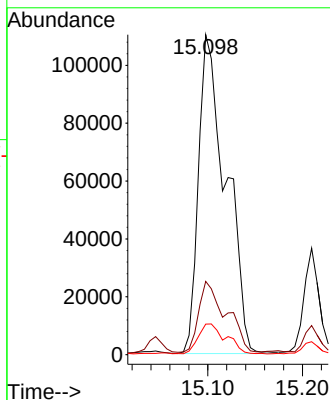
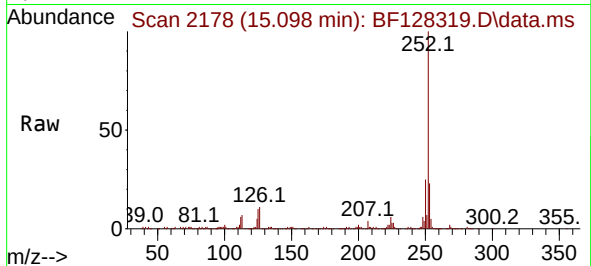




#88
Benzo(b)fluoranthene
Concen: 19.341 ng
RT: 15.098 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

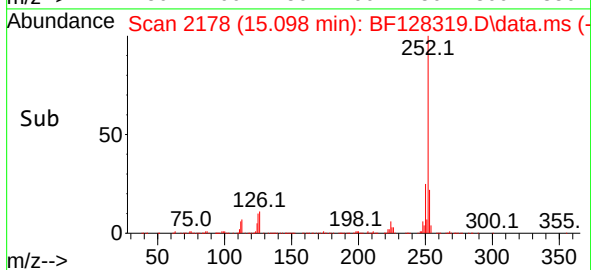
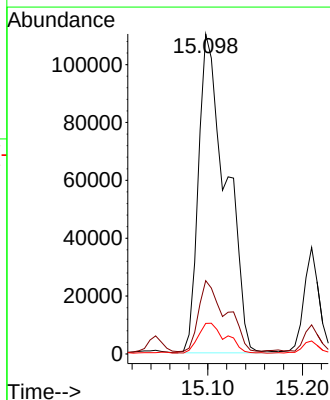
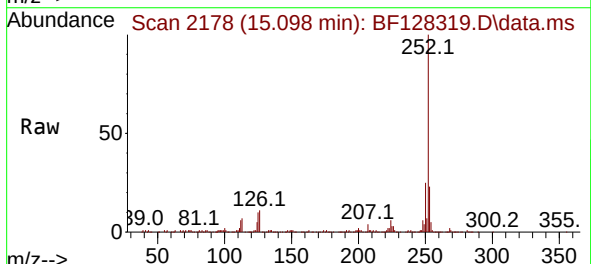
Instrument :
BNA_F
ClientSampleId :
CDF-2

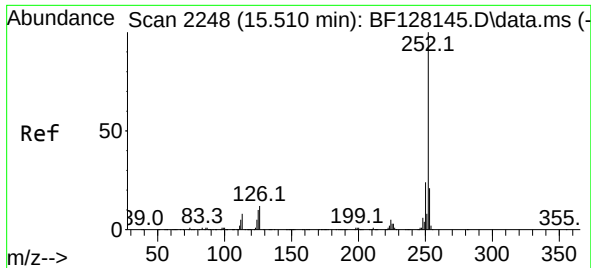
Tgt Ion:252 Resp: 222414
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 9.6 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 19.593 ng
RT: 15.098 min Scan# 2178
Delta R.T. -0.035 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:252 Resp: 222414
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.6 6.8 10.2

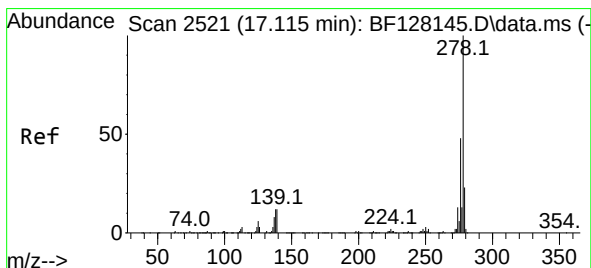
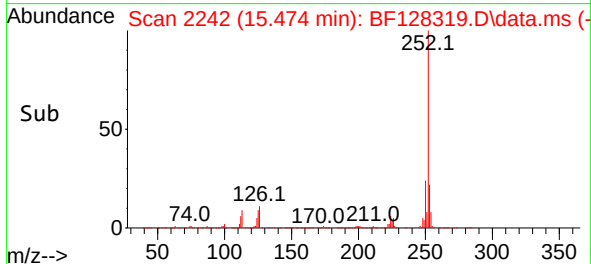
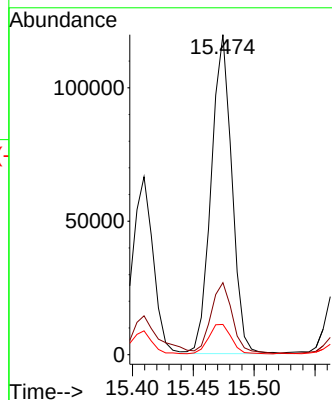
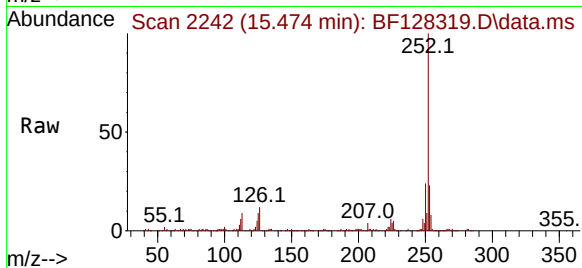




#90
Benzo(a)pyrene
Concen: 15.199 ng
RT: 15.474 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

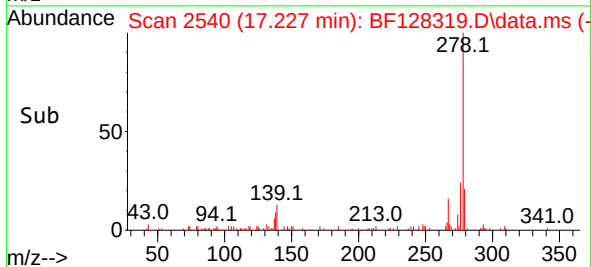
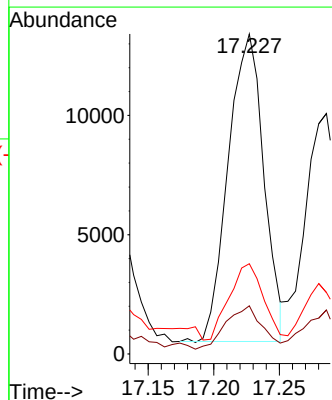
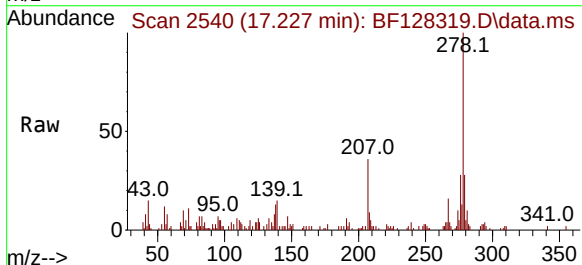
Instrument :
BNA_F
ClientSampleId :
CDF-2

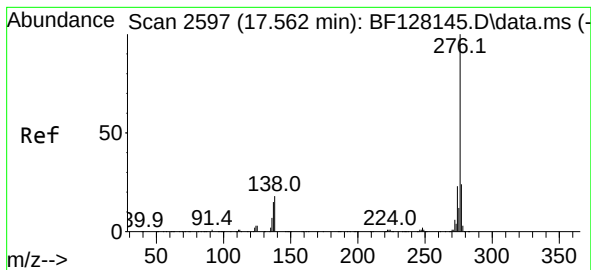
Tgt Ion:252 Resp: 141107
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.5 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 2.676 ng
RT: 17.227 min Scan# 2540
Delta R.T. 0.153 min
Lab File: BF128319.D
Acq: 18 May 2022 18:56

Tgt Ion:278 Resp: 24308
Ion Ratio Lower Upper
278 100
139 15.1 12.6 19.0
279 28.2 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 7.343 ng

RT: 17.504 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF128319.D

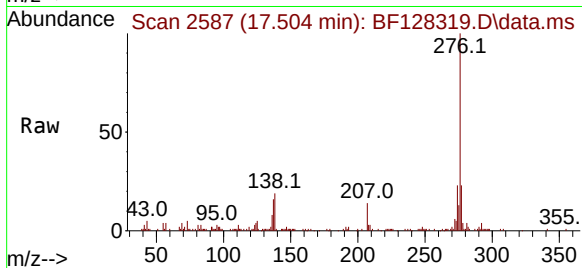
Acq: 18 May 2022 18:56

Instrument :

BNA_F

ClientSampleId :

CDF-2



Tgt Ion: 276 Resp: 67546

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 19.5 16.2 24.2

