

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021021\
 Data File : BF123177.D
 Acq On : 10 Feb 2021 18:56
 Operator : JU/CG
 Sample : M1345-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020921

Manual Integrations
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Quant Time: Feb 11 01:36:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 01:29:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.880	152	170186	20.00	ng	-0.01
21) Naphthalene-d8	8.169	136	647866	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	339573	20.00	ng	-0.01
64) Phenanthrene-d10	11.416	188	572627	20.00	ng	-0.02
76) Chrysene-d12	14.068	240	384403	20.00	ng	-0.02
86) Perylene-d12	15.551	264	392953	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	486944	44.14	ng	-0.01
7) Phenol-d6	6.498	99	614251	41.07	ng	-0.02
23) Nitrobenzene-d5	7.439	82	379935	29.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	108330	29.39	ng	-0.02
45) 2-Fluorobiphenyl	9.245	172	710967	31.12	ng	-0.02
79) Terphenyl-d14	13.004	244	592764	30.30	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	7.886	122	14060m	6.50	ng	
37) 2-Methylnaphthalene	8.880	142	65781	2.79	ng	98
38) 1-Methylnaphthalene	8.980	142	80614	3.61	ng	98
49) Acenaphthylene	9.786	152	179761	5.27	ng	98
52) Acenaphthene	9.957	154	52411	2.39	ng	97
58) Fluorene	10.474	166	75608	2.97	ng	99
71) Phenanthrene	11.439	178	874732	24.60	ng	99
72) Anthracene	11.492	178	276290	8.10	ng	98
75) Fluoranthene	12.633	202	611472	17.20	ng	99
78) Pyrene	12.868	202	1008012	34.74	ng	98
81) Benzo(a)anthracene	14.057	228	394588m	15.17	ng	
83) Chrysene	14.092	228	397279m	15.26	ng	
87) Indeno(1,2,3-cd)pyrene	17.050	276	303119	11.58	ng	95
88) Benzo(b)fluoranthene	15.121	252	556313m	19.61	ng	
89) Benzo(k)fluoranthene	15.145	252	105235m	3.99	ng	
90) Benzo(a)pyrene	15.492	252	553791	22.23	ng	98
91) Dibenzo(a,h)anthracene	17.056	278	91224	4.24	ng	# 90
92) Benzo(g,h,i)perylene	17.503	276	394077	18.88	ng	98

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

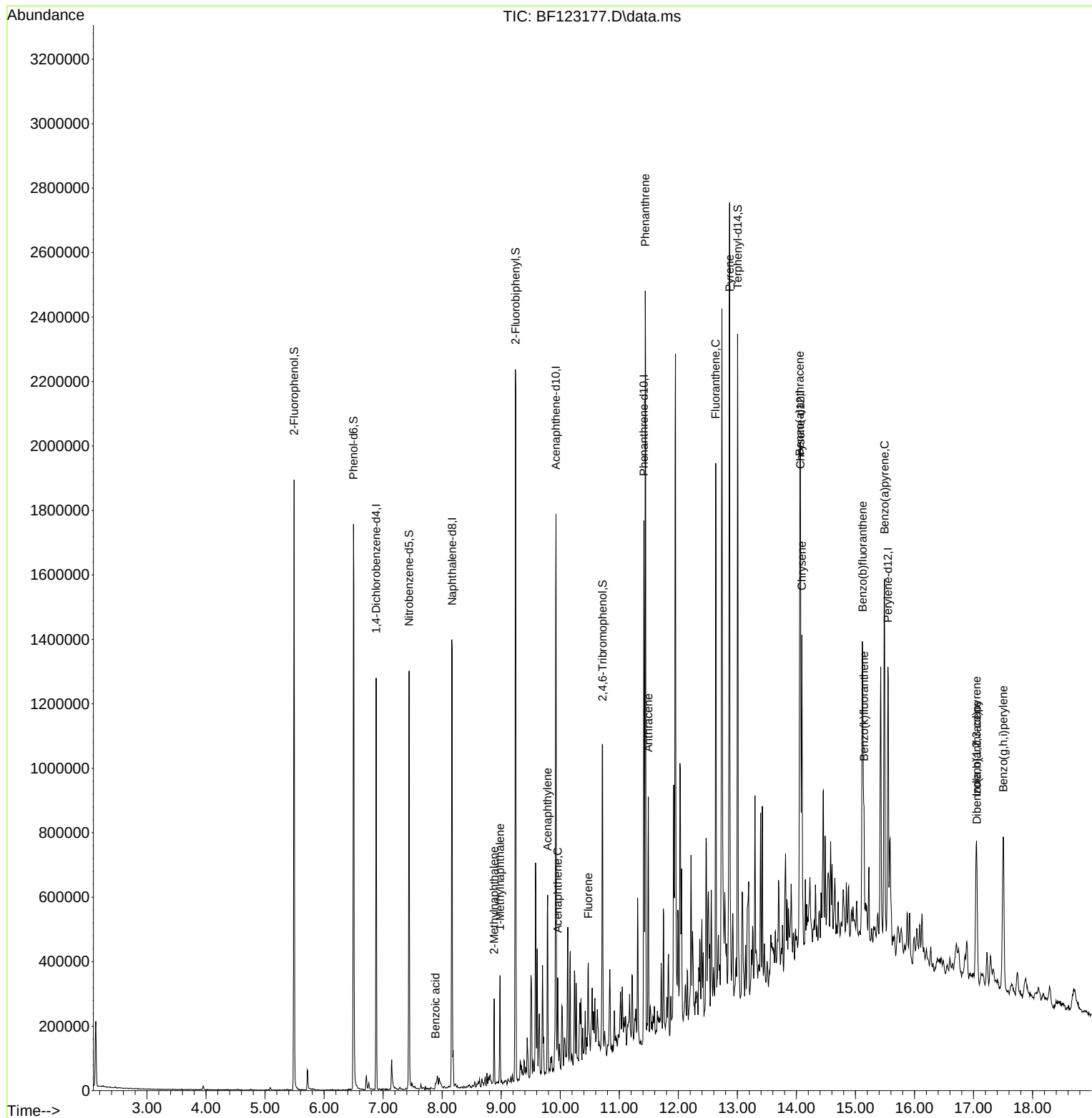
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021021\
Data File : BF123177.D
Acq On : 10 Feb 2021 18:56
Operator : JU/CG
Sample : M1345-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

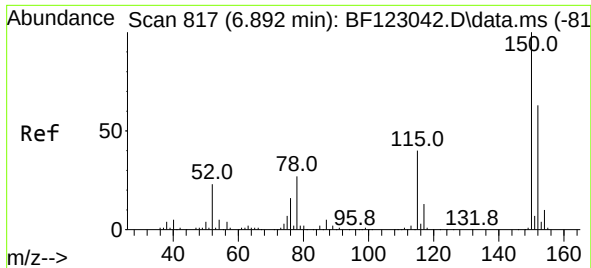
Instrument :
BNA_F
ClientSampled :
NB-07-020921

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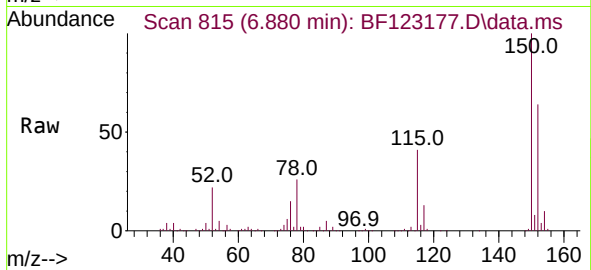
Quant Time: Feb 11 01:36:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 01:29:27 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.880 min Scan# 815
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

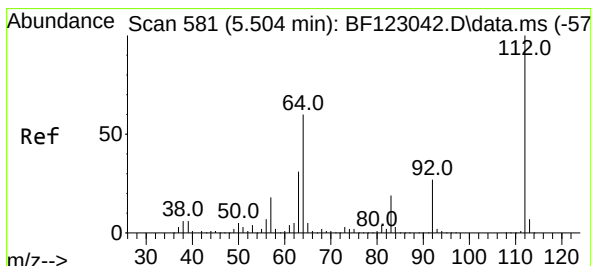
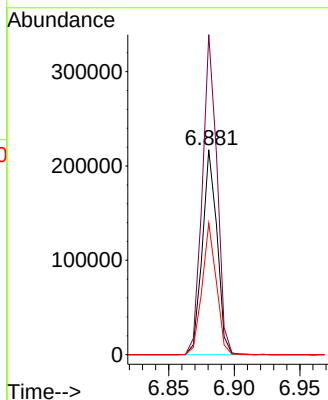
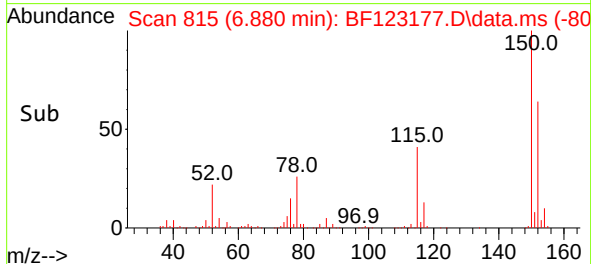
Instrument :
BNA_F
ClientSampleId :
NB-07-020921



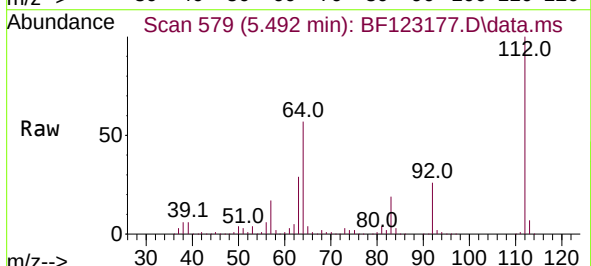
Tgt Ion:152 Resp: 170186
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 64.2 49.3 73.9

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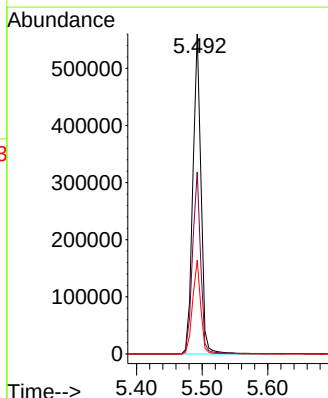
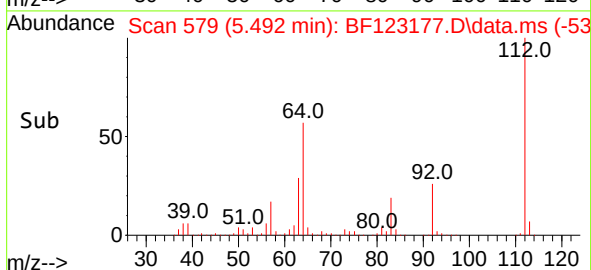
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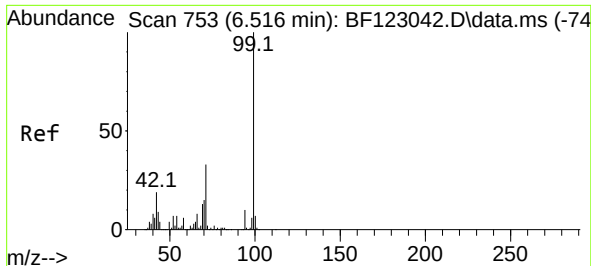


#5
2-Fluorophenol
Concen: 44.14 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



Tgt Ion:112 Resp: 486944
Ion Ratio Lower Upper
112 100
64 56.9 46.9 70.3
63 29.3 24.5 36.7





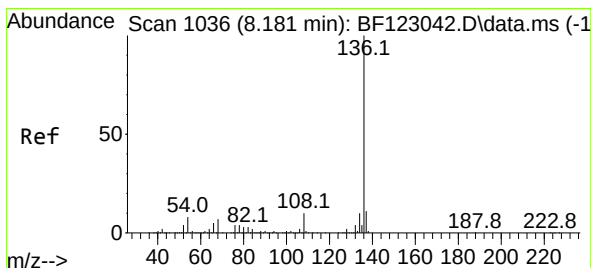
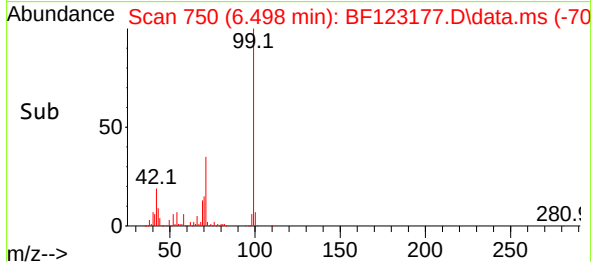
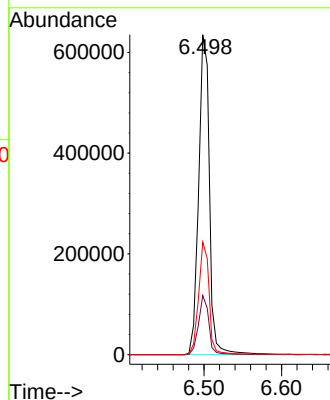
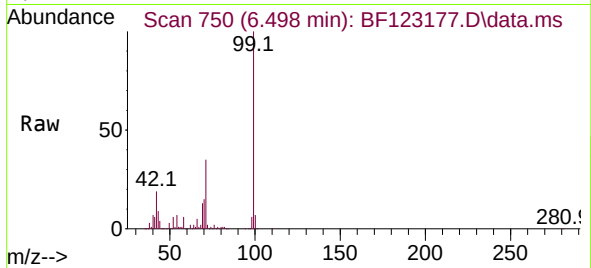
#7
Phenol-d6
Concen: 41.07 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:	99	Resp:	614251
Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.8	20.6
71	35.2	26.9	40.3

Instrument :
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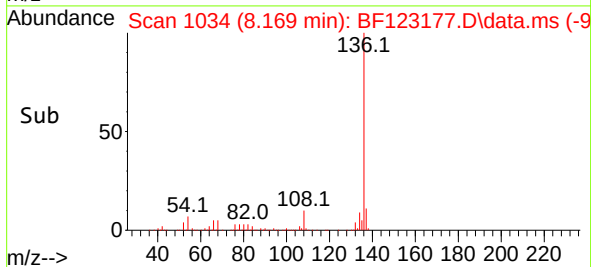
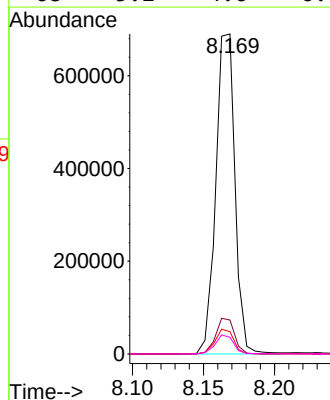
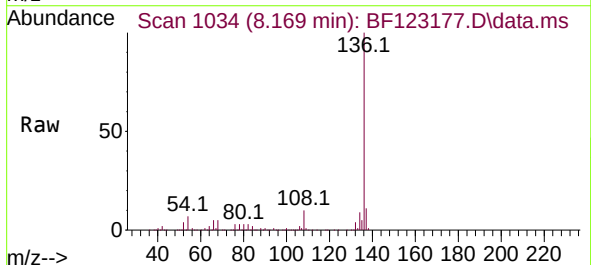
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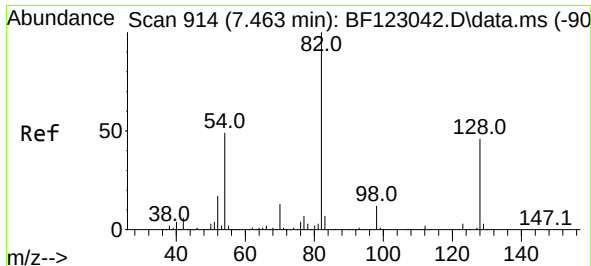
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:	136	Resp:	647866
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.0	5.5	8.3
68	5.2	4.6	6.8





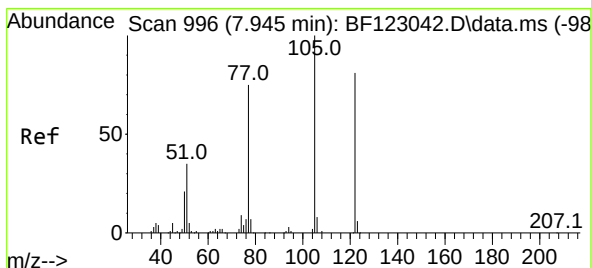
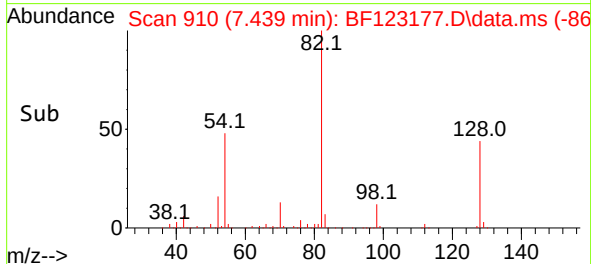
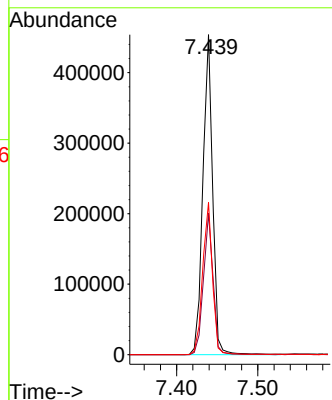
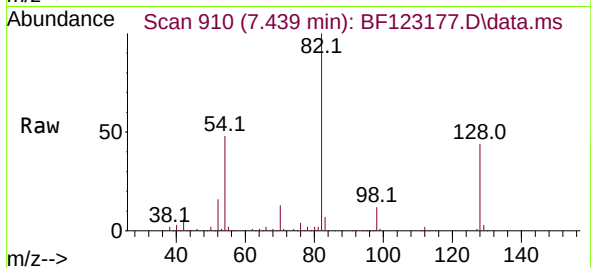
#23
Nitrobenzene-d5
Concen: 29.51 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 82 Resp: 379935
Ion Ratio Lower Upper
82 100
128 44.2 37.0 55.4
54 47.5 38.4 57.6

Instrument :
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ClientSampleId :
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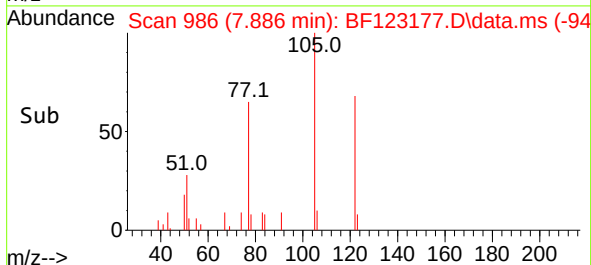
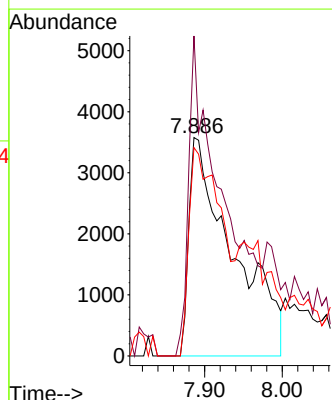
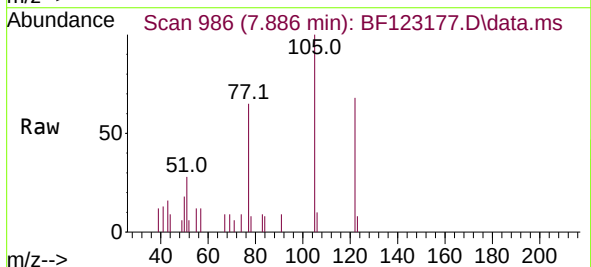
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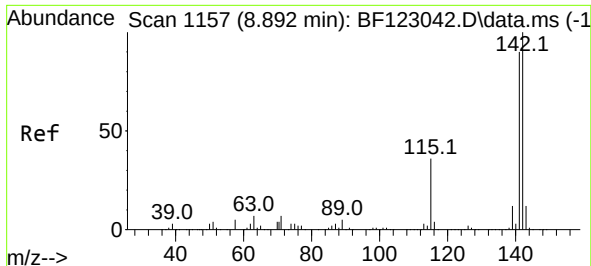
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#32
Benzoic acid
Concen: 6.50 ng m
RT: 7.886 min Scan# 986
Delta R.T. -0.059 min
Lab File: BF123177.D
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Tgt Ion: 122 Resp: 14060
Ion Ratio Lower Upper
122 100
105 146.5 104.8 144.8#
77 95.4 71.0 111.0





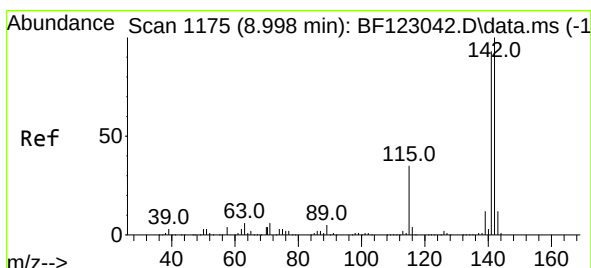
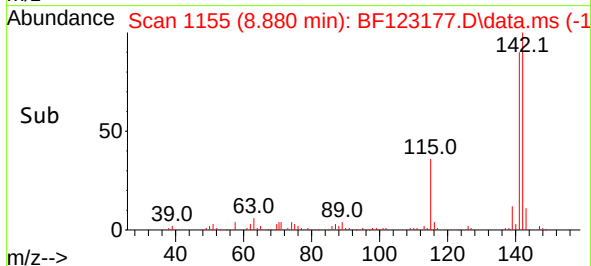
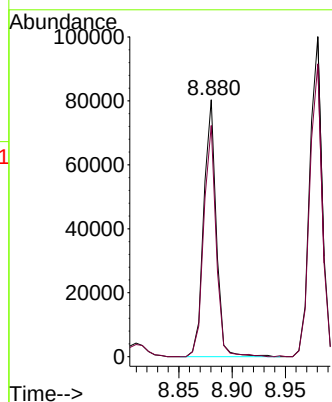
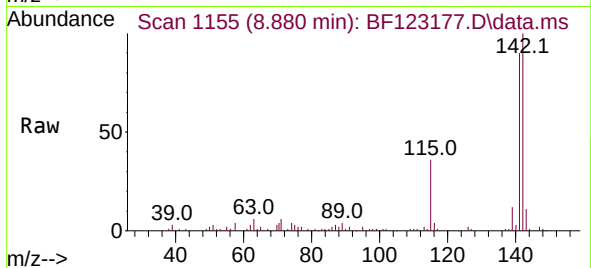
#37
2-Methylnaphthalene
Concen: 2.79 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:142 Resp: 65781
Ion Ratio Lower Upper
142 100
141 90.0 70.6 106.0

Instrument :
BNA_F
ClientSampleId :
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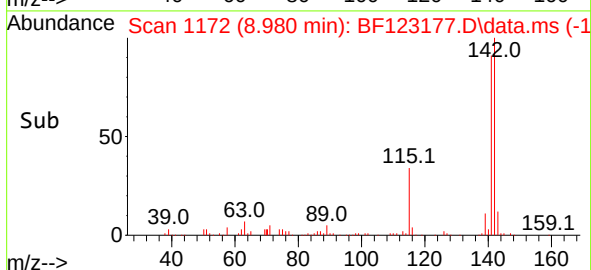
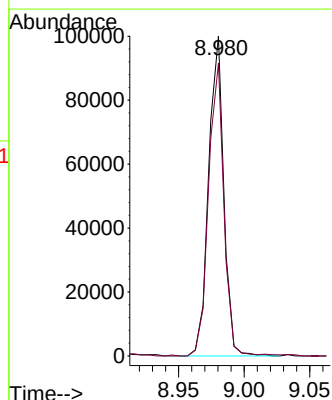
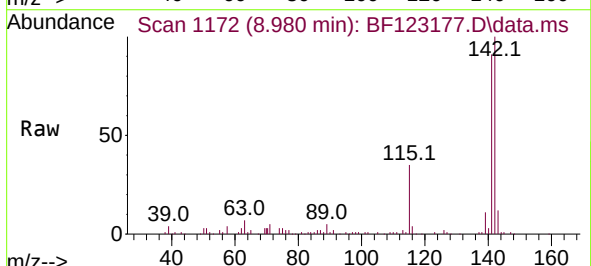
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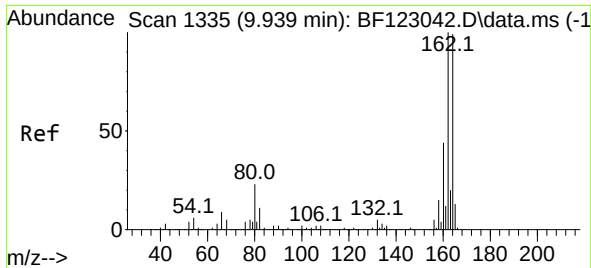
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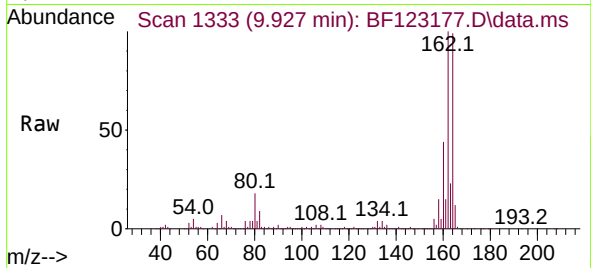
#38
1-Methylnaphthalene
Concen: 3.61 ng
RT: 8.980 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:142 Resp: 80614
Ion Ratio Lower Upper
142 100
141 91.5 74.5 111.7

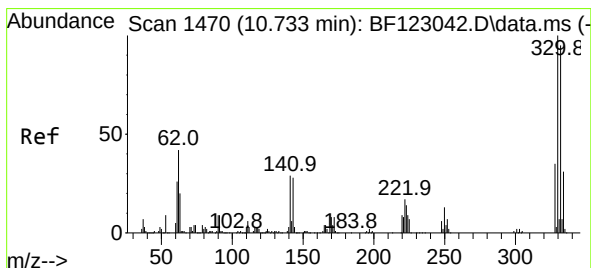
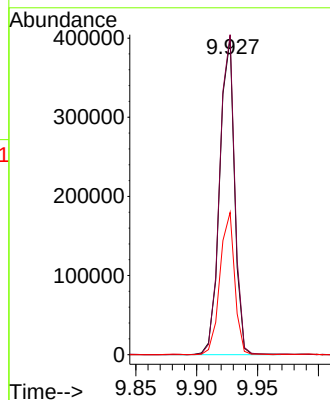
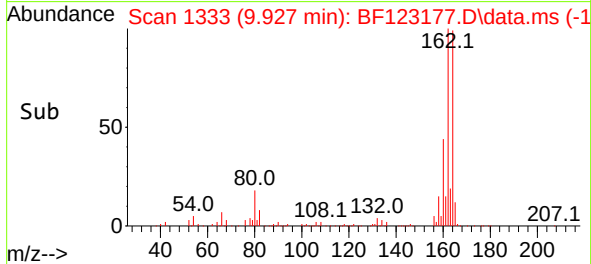




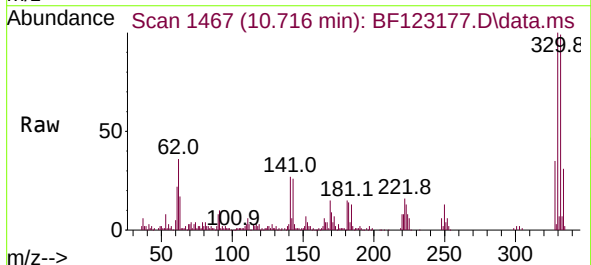
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



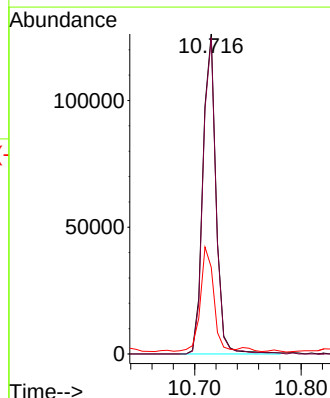
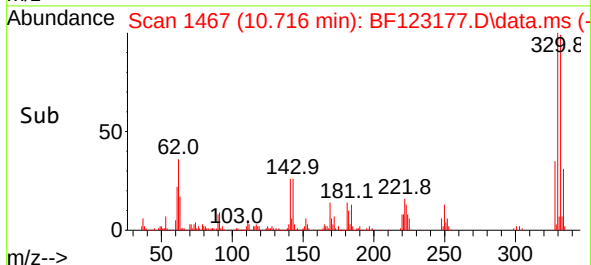
Tgt Ion:164 Resp: 339573
Ion Ratio Lower Upper
164 100
162 101.2 80.8 121.2
160 44.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 29.39 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



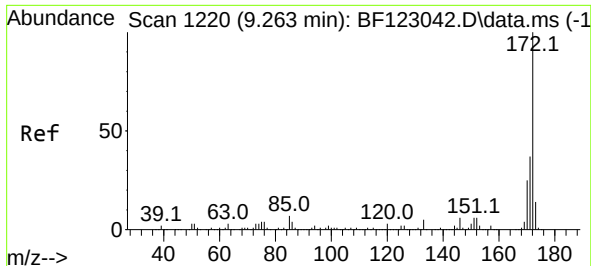
Tgt Ion:330 Resp: 108330
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 32.9 23.8 35.8



Instrument :
BNA_F
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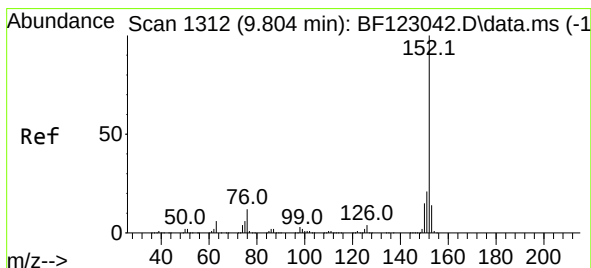
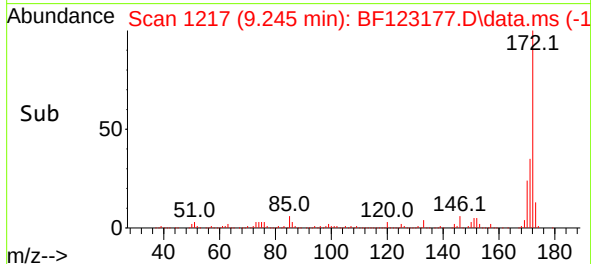
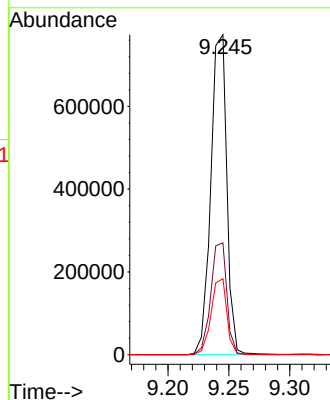
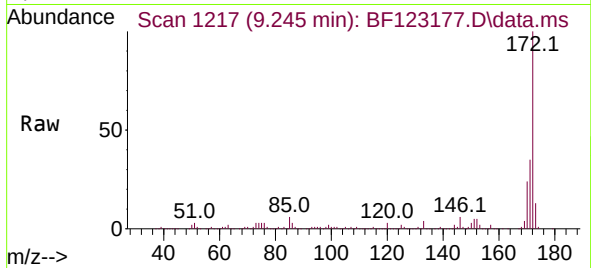
#45
2-Fluorobiphenyl
Concen: 31.12 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:172	Resp: 710967
Ion Ratio	Lower Upper
172 100	
171 34.9	29.6 44.4
170 23.7	19.5 29.3

Instrument :
BNA_F
ClientSampleId :
NB-07-020921

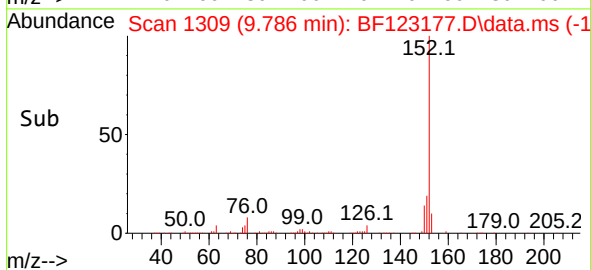
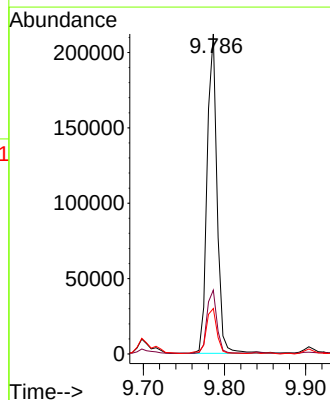
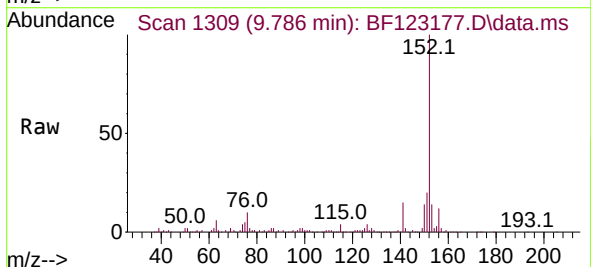
Manual Integrations
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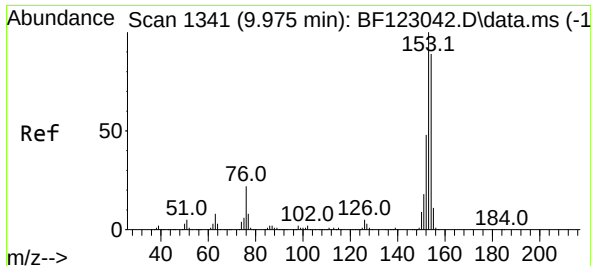
mohammad
2/11/2021 9:46:30 AM



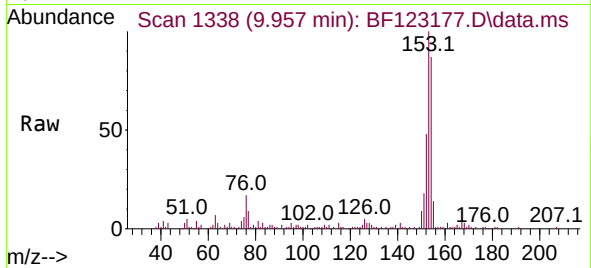
#49
Acenaphthylene
Concen: 5.27 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:152	Resp: 179761
Ion Ratio	Lower Upper
152 100	
151 20.0	16.6 25.0
153 14.2	10.9 16.3

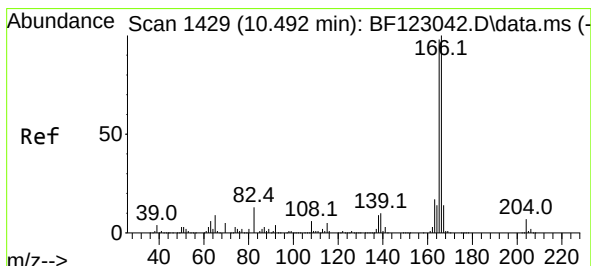
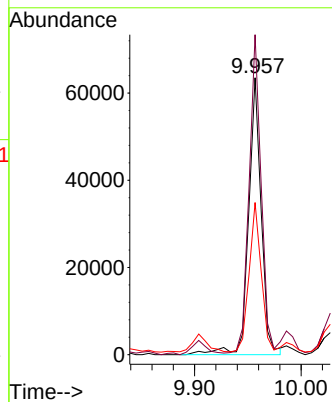
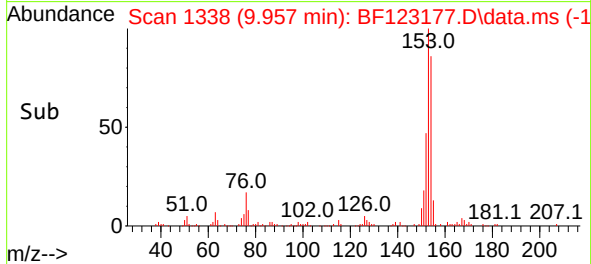




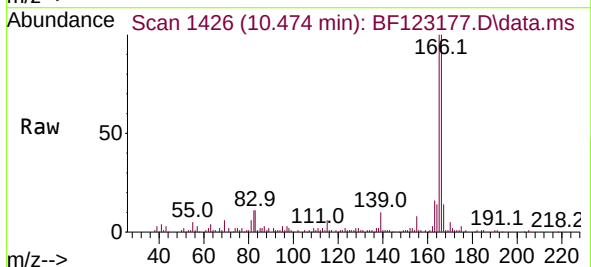
#52
Acenaphthene
Concen: 2.39 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



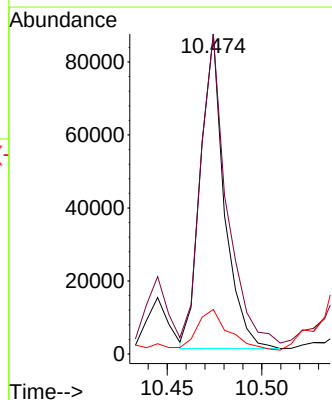
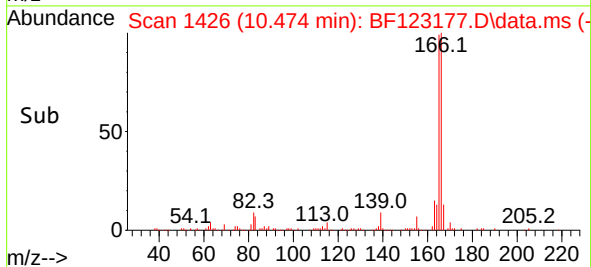
Tgt Ion:154 Resp: 52411
Ion Ratio Lower Upper
154 100
153 115.5 89.0 133.6
152 55.0 42.7 64.1



#58
Fluorene
Concen: 2.97 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



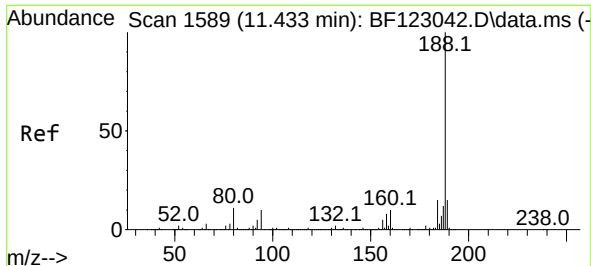
Tgt Ion:166 Resp: 75608
Ion Ratio Lower Upper
166 100
165 99.9 79.4 119.0
167 13.9 10.9 16.3



Instrument :
BNA_F
ClientSampleId :
NB-07-020921

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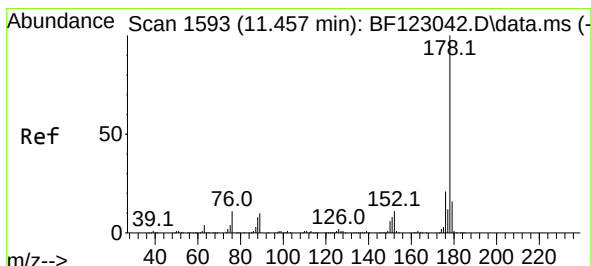
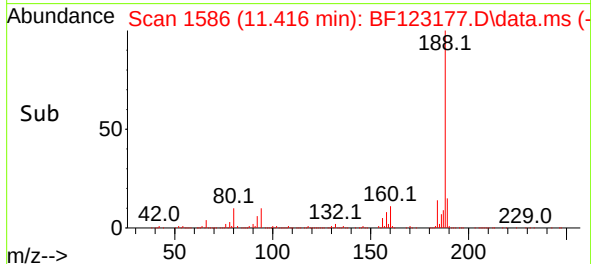
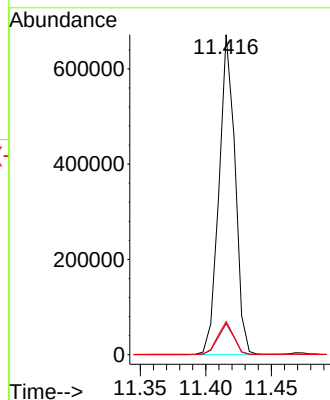
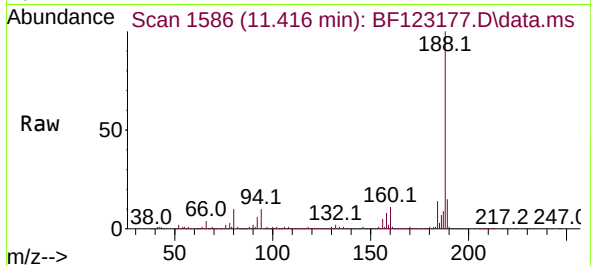
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:188 Resp: 572627
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.2 12.4

Instrument :
BNA_F
ClientSampleId :
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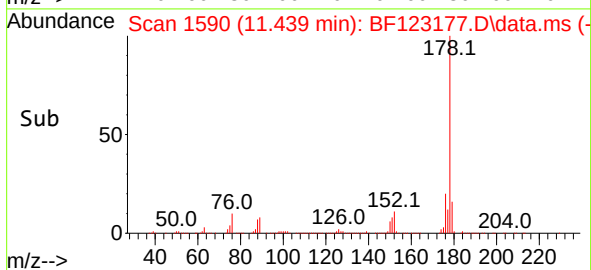
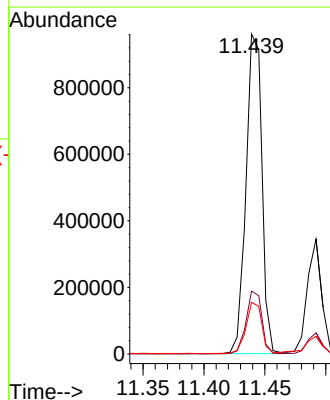
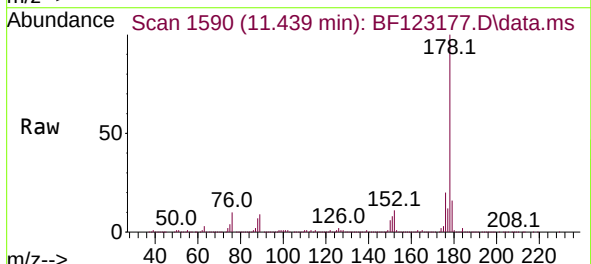
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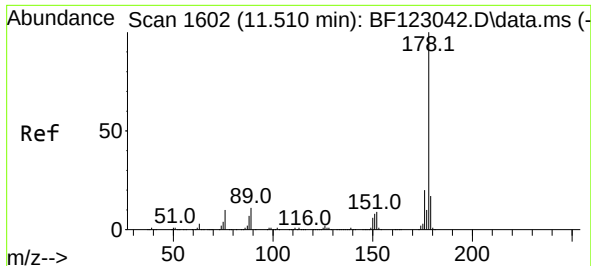
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#71
Phenanthrene
Concen: 24.60 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion:178 Resp: 874732
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 16.2 12.7 19.1





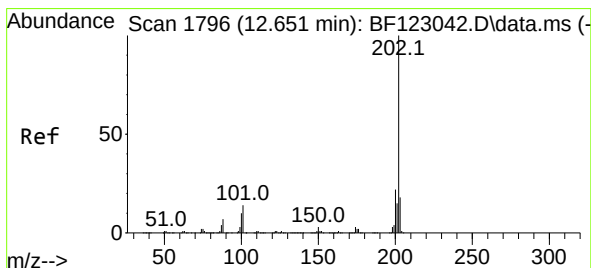
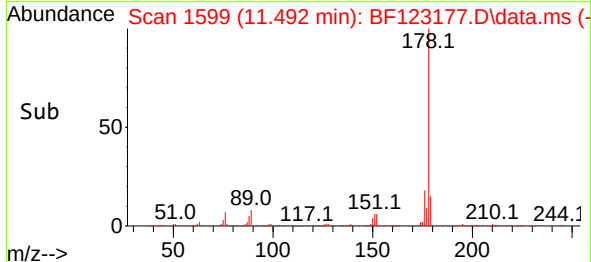
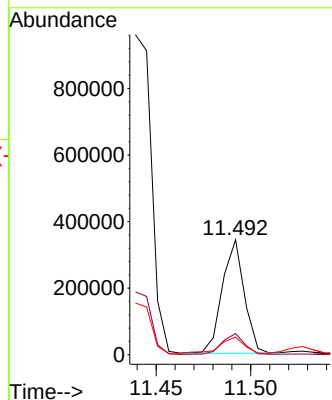
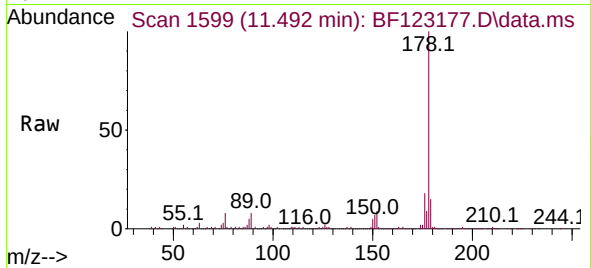
#72
 Anthracene
 Concen: 8.10 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.018 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020921

Tgt Ion:178 Resp: 276290
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 15.3 12.8 19.2

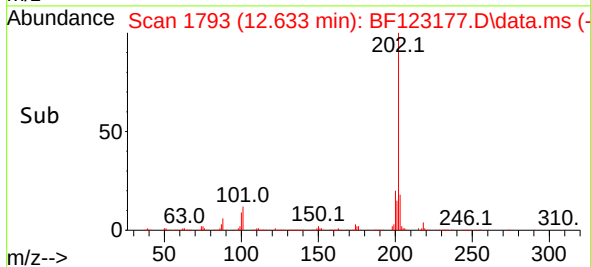
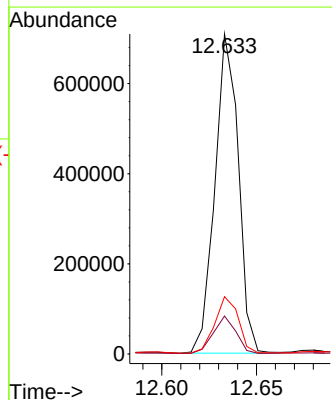
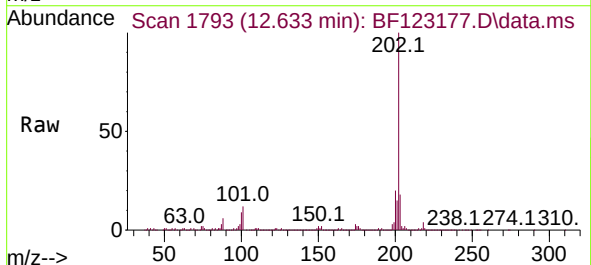
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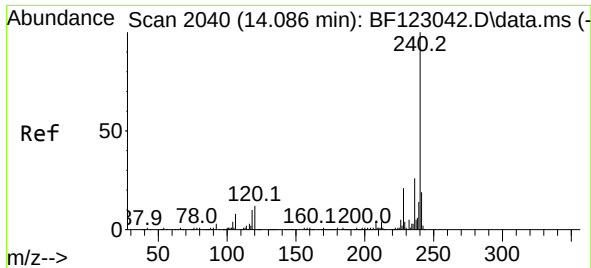
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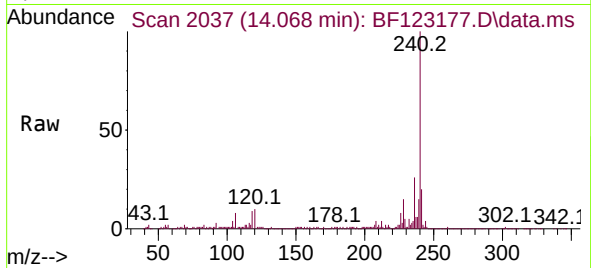
#75
 Fluoranthene
 Concen: 17.20 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. -0.018 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Tgt Ion:202 Resp: 611472
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.2
 203 17.9 0.0 38.1

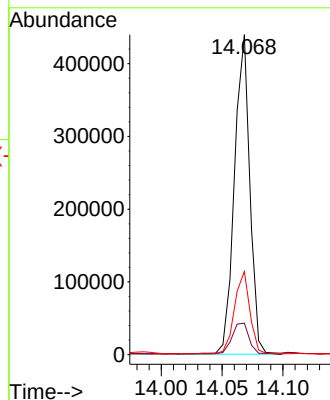
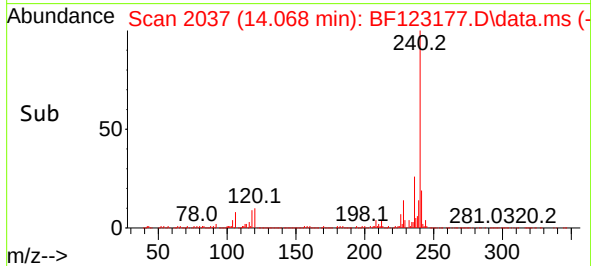




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



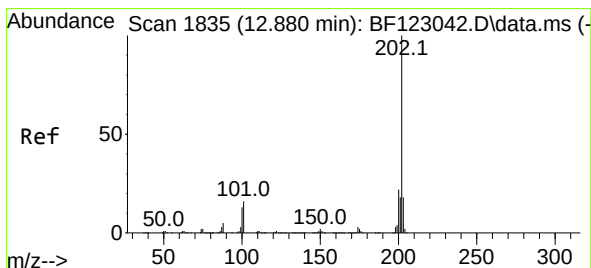
Tgt Ion:240 Resp: 384403
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 26.0 20.3 30.5



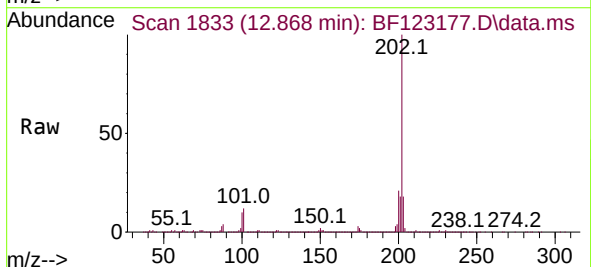
Instrument :
BNA_F
ClientSampleId :
NB-07-020921

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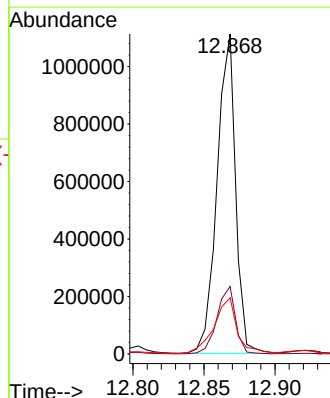
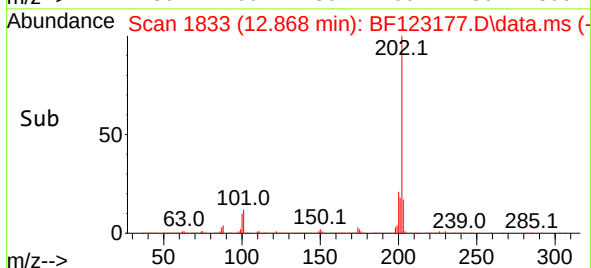
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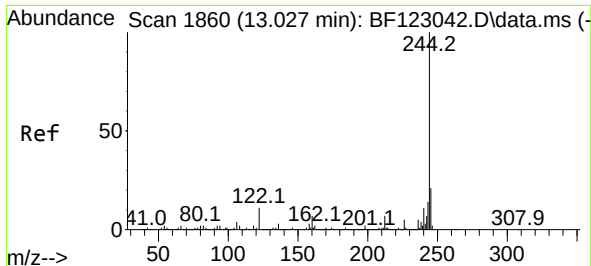


#78
Pyrene
Concen: 34.74 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



Tgt Ion:202 Resp: 1008012
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.6 14.6 21.8





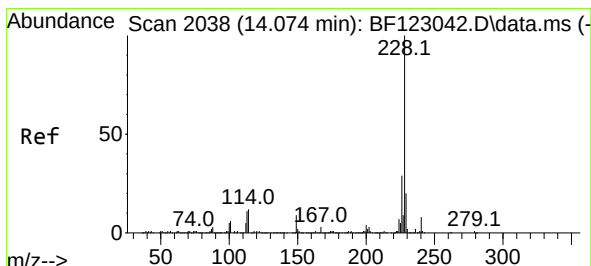
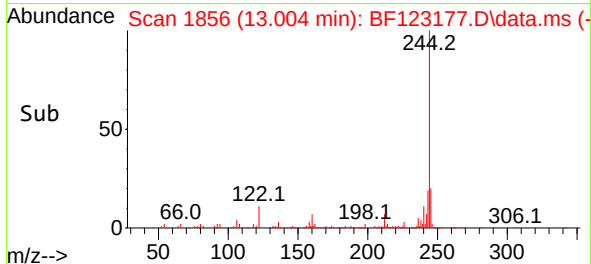
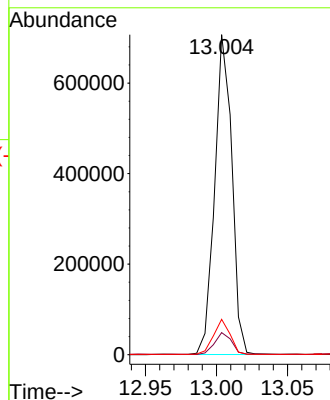
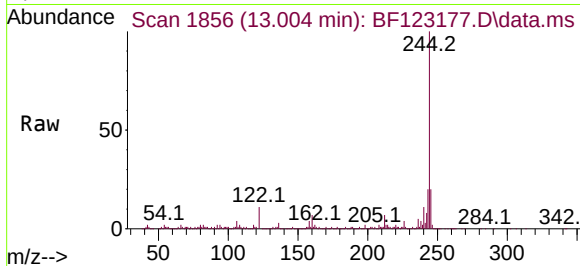
#79
 Terphenyl-d14
 Concen: 30.30 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.024 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Tgt Ion:244 Resp: 592764
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.1 8.3 12.5

Instrument :
 BNA_F
 ClientSampleId :
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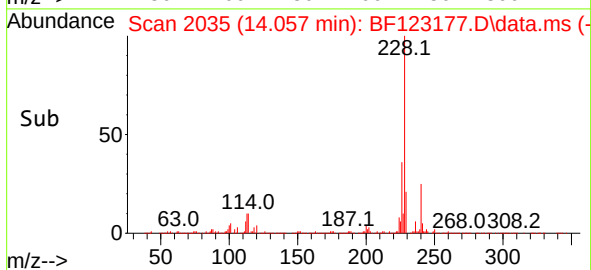
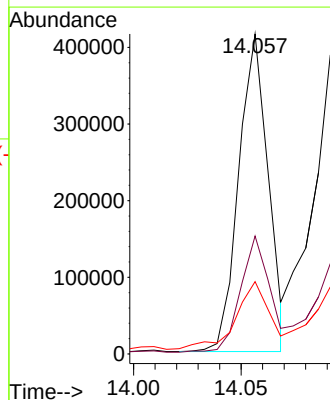
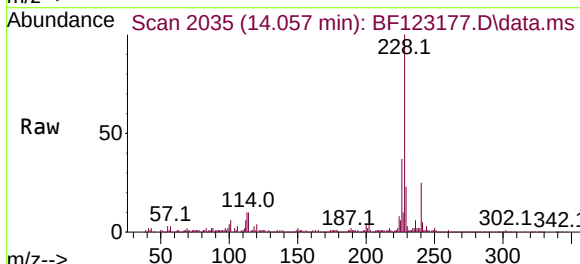
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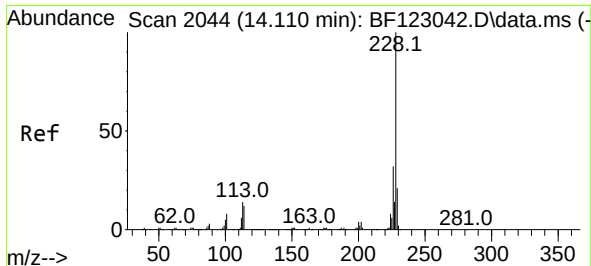
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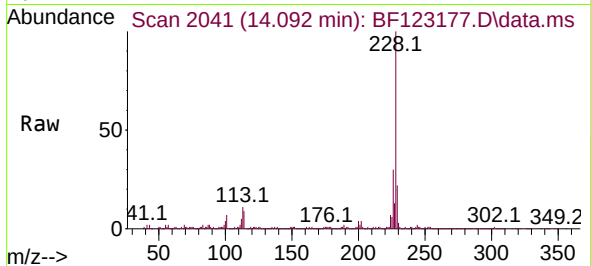
#81
 Benzo(a)anthracene
 Concen: 15.17 ng m
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.018 min
 Lab File: BF123177.D
 Acq: 10 Feb 2021 18:56

Tgt Ion:228 Resp: 394588
 Ion Ratio Lower Upper
 228 100
 226 36.8 23.0 34.4#
 229 22.6 16.6 24.8

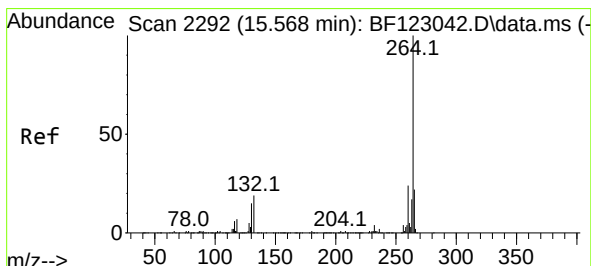
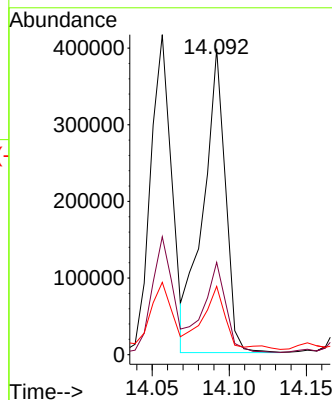
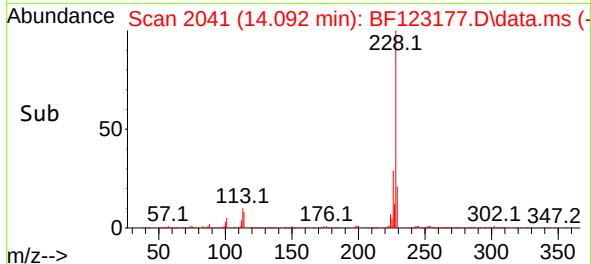




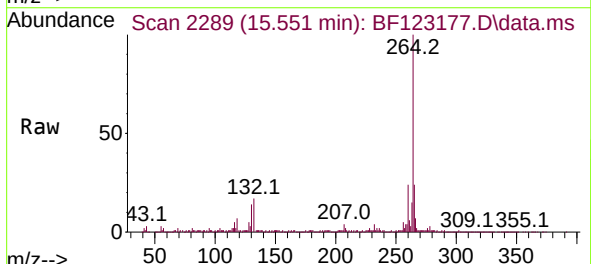
#83
Chrysene
Concen: 15.26 ng m
RT: 14.092 min Scan# 2041
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



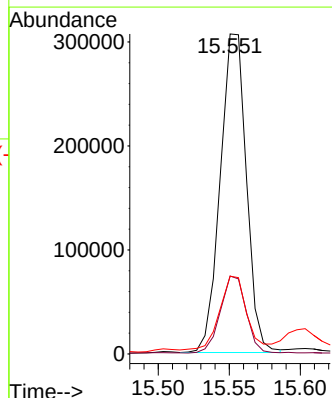
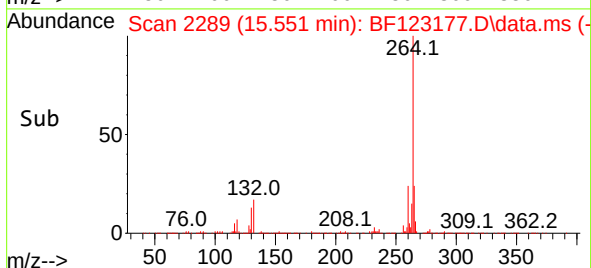
Tgt Ion:228 Resp: 397279
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56



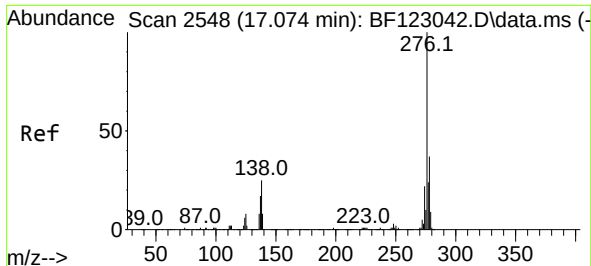
Tgt Ion:264 Resp: 392953
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 24.3 17.0 25.6



Instrument :
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ClientSampleId :
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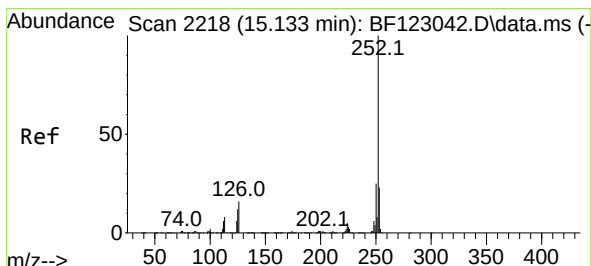
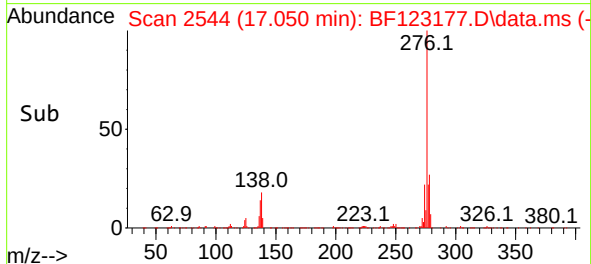
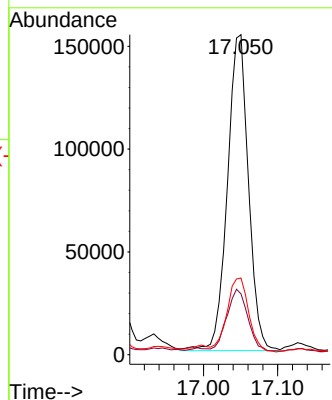
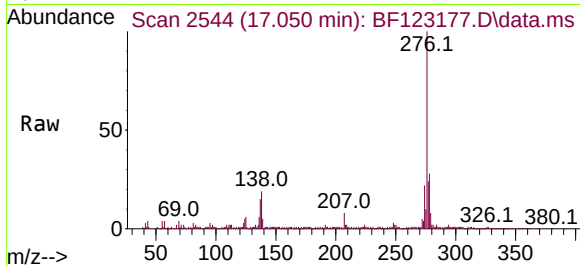
#87
Indeno(1,2,3-cd)pyrene
Concen: 11.58 ng
RT: 17.050 min Scan# 2544
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 276 Resp: 303119
Ion Ratio Lower Upper
276 100
138 19.6 18.7 28.1
277 24.1 20.2 30.4

Instrument :
BNA_F
ClientSampleId :
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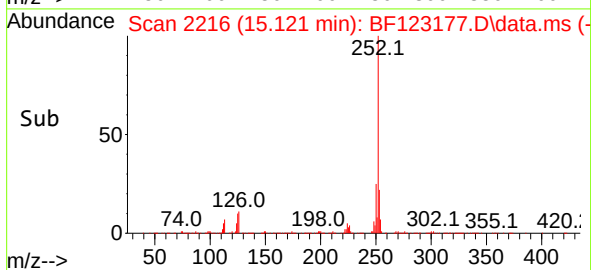
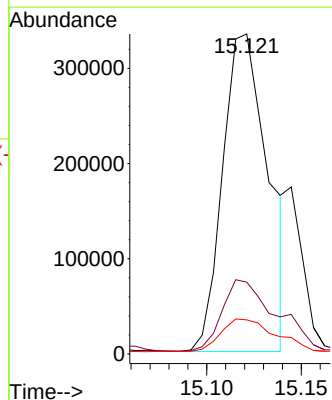
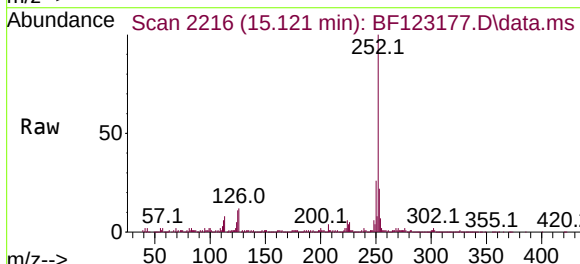
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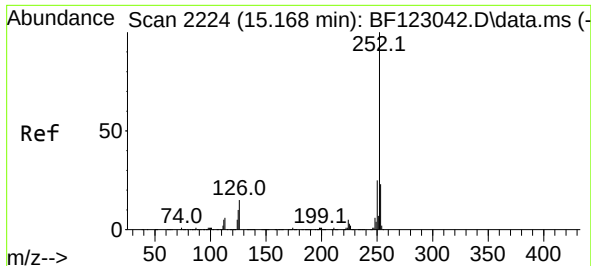
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#88
Benzo(b)fluoranthene
Concen: 19.61 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 252 Resp: 556313
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 10.6 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 3.99 ng m

RT: 15.145 min Scan# 2220

Delta R.T. -0.024 min

Lab File: BF123177.D

Acq: 10 Feb 2021 18:56

Tgt Ion:	252	Resp:	105235
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	9.9	8.4	12.6

Instrument :

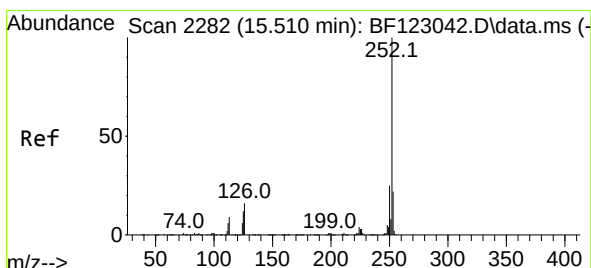
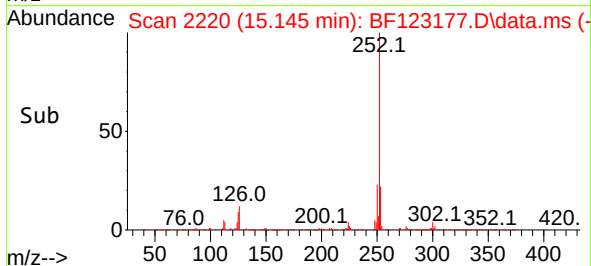
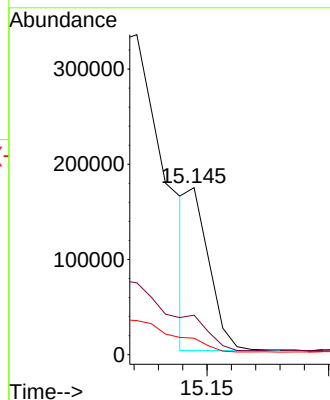
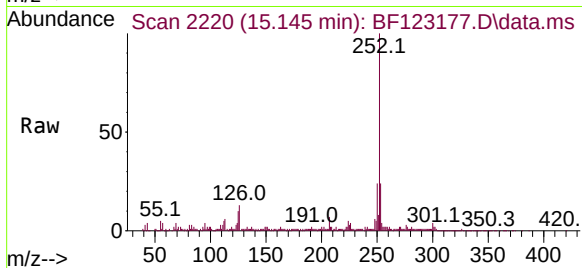
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#90

Benzo(a)pyrene

Concen: 22.23 ng

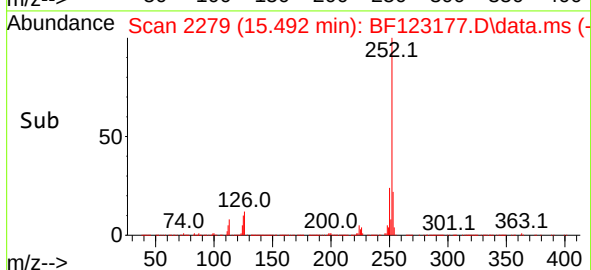
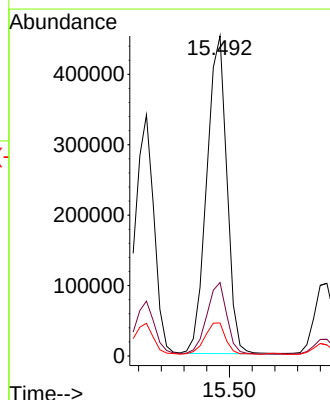
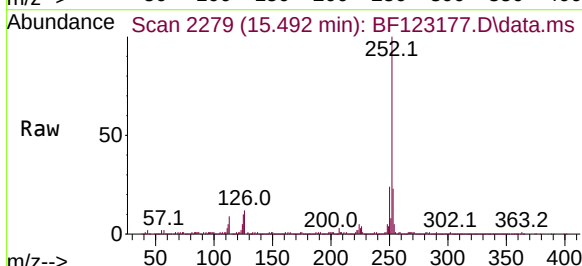
RT: 15.492 min Scan# 2279

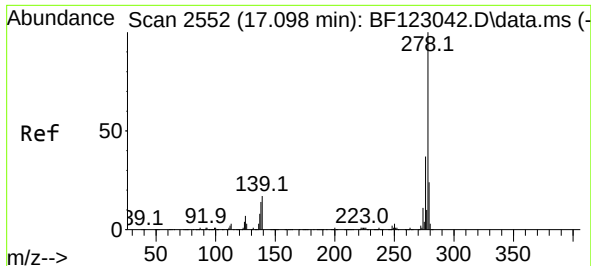
Delta R.T. -0.018 min

Lab File: BF123177.D

Acq: 10 Feb 2021 18:56

Tgt Ion:	252	Resp:	553791
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	10.3	8.6	12.8





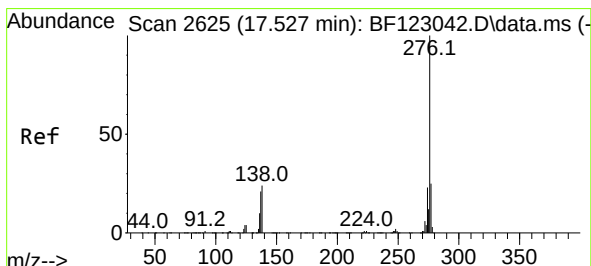
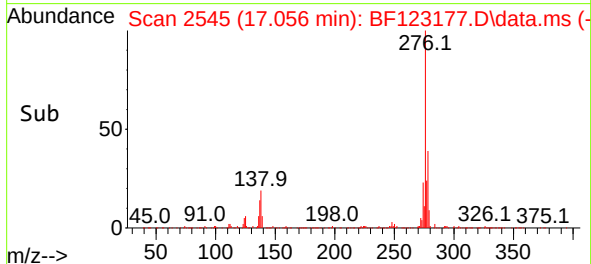
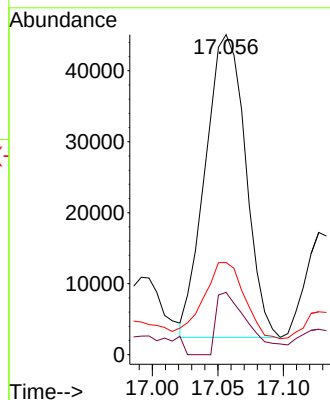
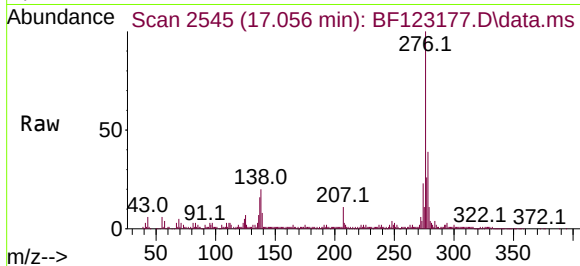
#91
Dibenzo(a,h)anthracene
Concen: 4.24 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.041 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 278 Resp: 91224
Ion Ratio Lower Upper
278 100
139 19.5 12.0 18.0#
279 28.8 19.4 29.2

Instrument :
BNA_F
ClientSampled :
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#92
Benzo(g,h,i)perylene
Concen: 18.88 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.024 min
Lab File: BF123177.D
Acq: 10 Feb 2021 18:56

Tgt Ion: 276 Resp: 394077
Ion Ratio Lower Upper
276 100
277 22.9 19.3 28.9
138 19.9 16.6 24.8

