

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124250.D
 Acq On : 11 Jun 2021 00:41
 Operator : JU/CG
 Sample : M2660-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921

Manual Integrations
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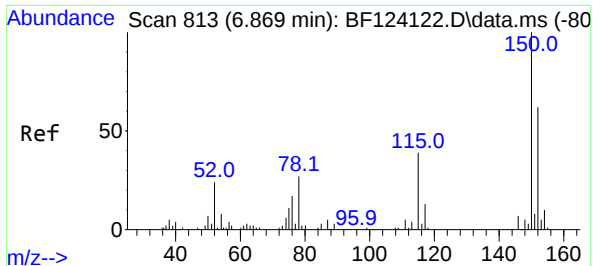
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Quant Time: Jun 11 01:27:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

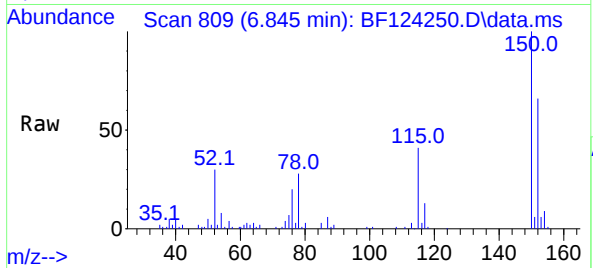
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	39224	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	144778	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	79954	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	113144	20.000	ng	0.00
76) Chrysene-d12	14.027	240	99063	20.000	ng	0.00
86) Perylene-d12	15.510	264	63269	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	212416	81.521	ng	0.00
7) Phenol-d6	6.493	99	264608	75.550	ng	0.00
23) Nitrobenzene-d5	7.410	82	207144	56.746	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	75469	66.624	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	346422	54.522	ng	0.00
79) Terphenyl-d14	12.963	244	260232	36.067	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	66471	7.679	ng	98
37) 2-Methylnaphthalene	8.845	142	42529	7.006	ng	99
38) 1-Methylnaphthalene	8.945	142	42270	7.452	ng	91
49) Acenaphthylene	9.745	152	53211	6.663	ng	# 92
52) Acenaphthene	9.922	154	84925	16.283	ng	93
55) Dibenzofuran	10.092	168	115547	14.155	ng	96
58) Fluorene	10.439	166	172986	27.607	ng	95
71) Phenanthrene	11.410	178	1010639	142.990	ng	99
72) Anthracene	11.457	178	276038	38.780	ng	97
73) Carbazole	11.610	167	51568	8.313	ng	95
75) Fluoranthene	12.604	202	1135170	153.008	ng	98
78) Pyrene	12.833	202	918117	96.516	ng	99
81) Benzo(a)anthracene	14.016	228	455252	63.083	ng	97
83) Chrysene	14.057	228	381883	54.847	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	103241	22.170	ng	99
88) Benzo(b)fluoranthene	15.080	252	382491m	77.824	ng	
89) Benzo(k)fluoranthene	15.104	252	97274m	20.907	ng	
90) Benzo(a)pyrene	15.451	252	223586	52.376	ng	97
91) Dibenzo(a,h)anthracene	17.004	278	27593	9.781	ng	# 78
92) Benzo(g,h,i)perylene	17.457	276	95796	23.694	ng	98

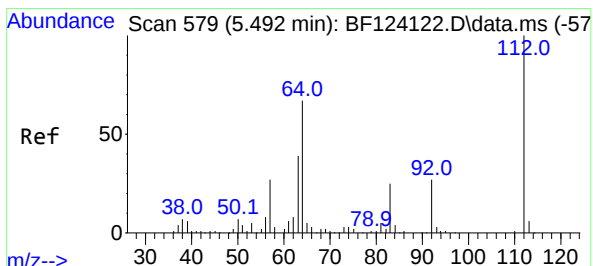
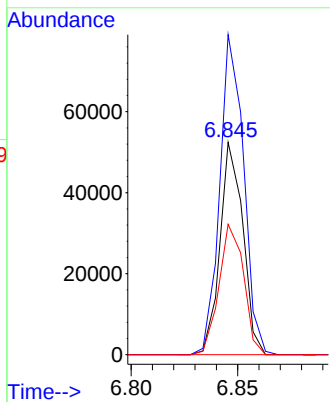
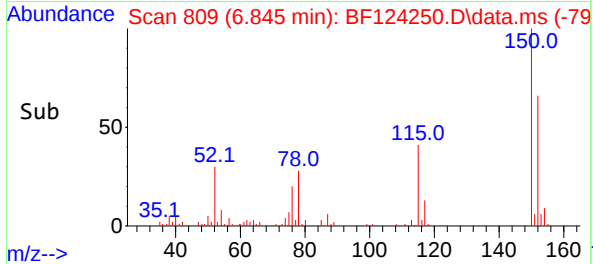
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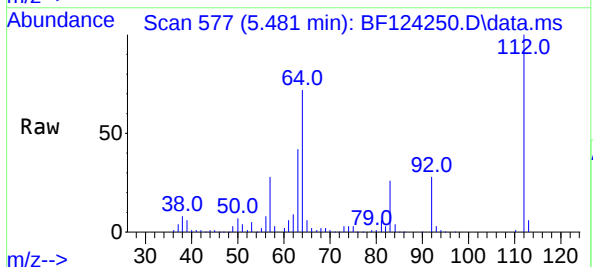
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



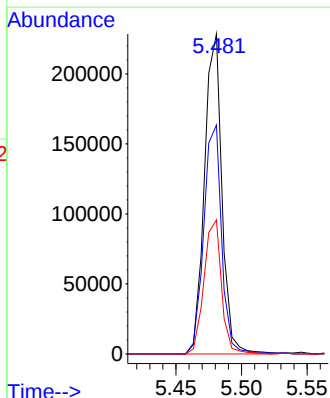
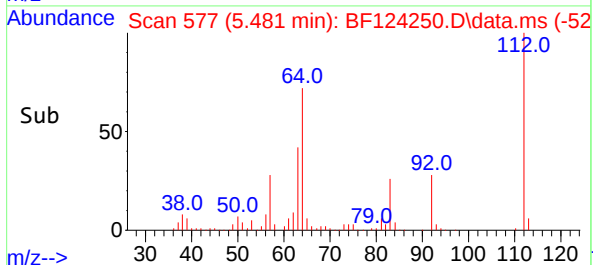
Tgt Ion:152 Resp: 39224
Ion Ratio Lower Upper
152 100
150 150.7 127.0 190.6
115 61.4 54.3 81.5



#5
2-Fluorophenol
Concen: 81.521 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



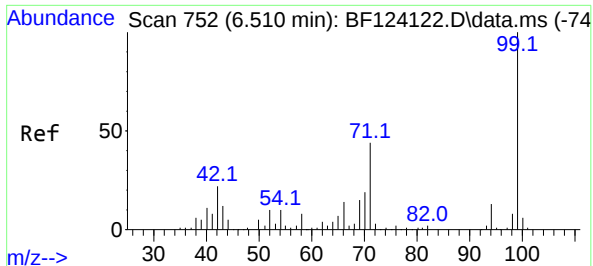
Tgt Ion:112 Resp: 212416
Ion Ratio Lower Upper
112 100
64 71.6 61.4 92.0
63 41.9 33.0 49.4



Instrument :
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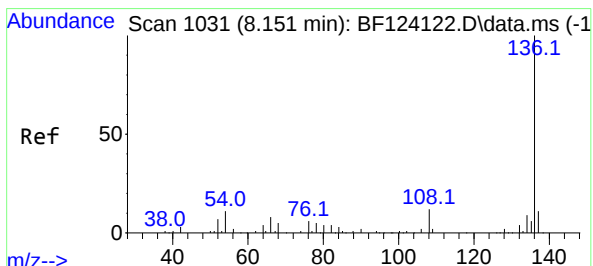
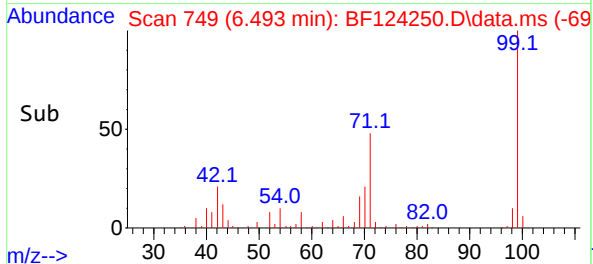
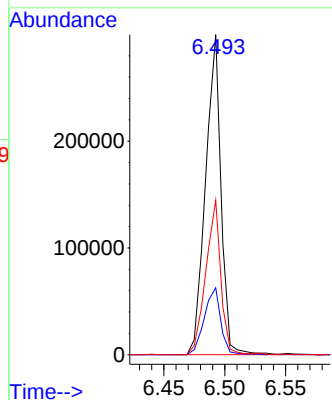
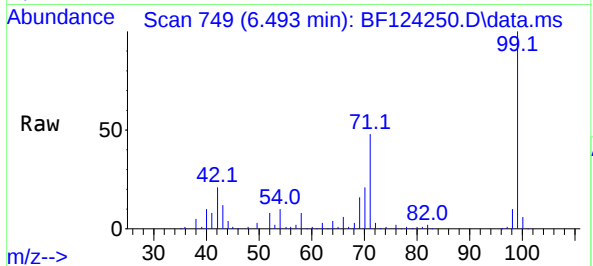
#7
Phenol-d6
Concen: 75.550 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion: 99 Resp: 264608
Ion Ratio Lower Upper
99 100
42 20.9 19.8 29.8
71 48.2 31.1 46.7#

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

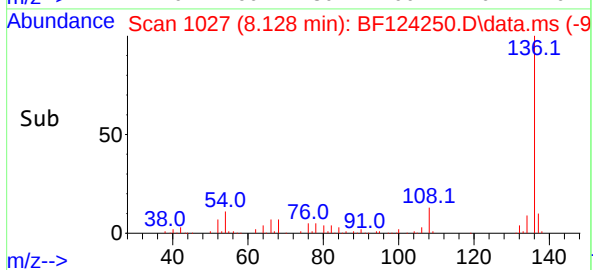
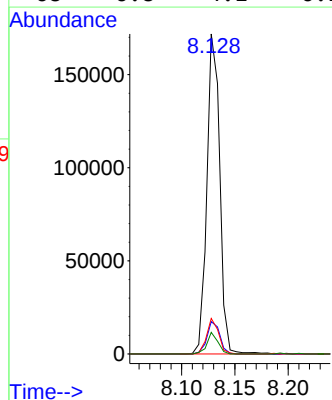
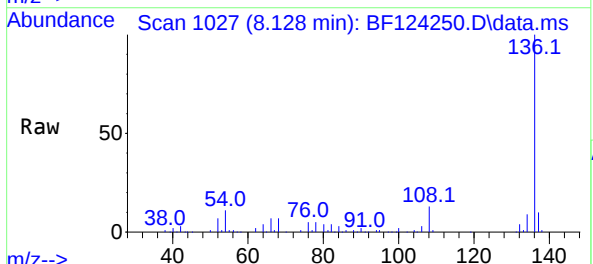
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

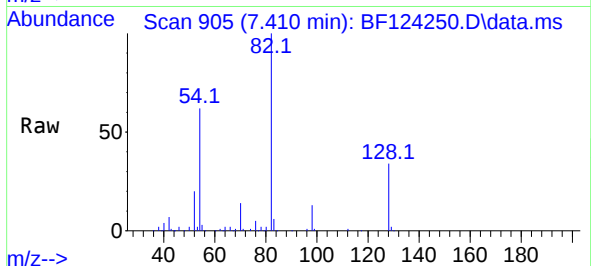
Tgt Ion:136 Resp: 144778
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 11.1 9.8 14.6
68 6.8 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 56.746 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

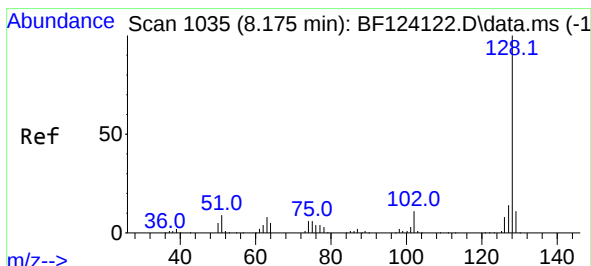
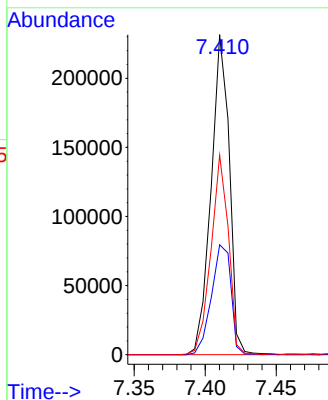
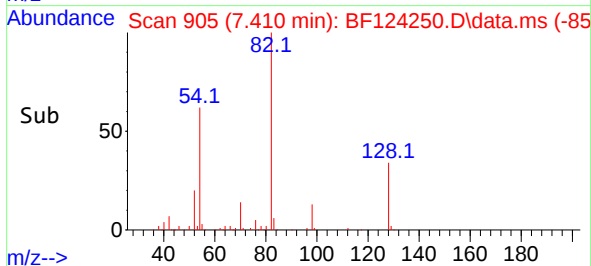
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BNA_F
ClientSampleId :
OR-03-060921



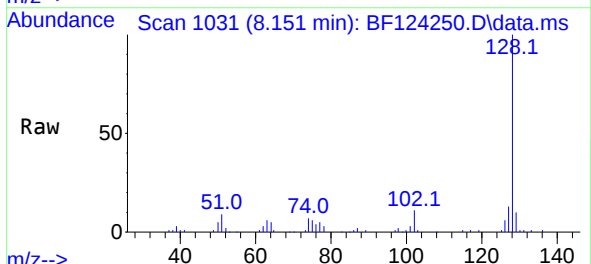
Tgt Ion: 82 Resp: 207144
Ion Ratio Lower Upper
82 100
128 34.3 29.4 44.2
54 62.4 54.1 81.1

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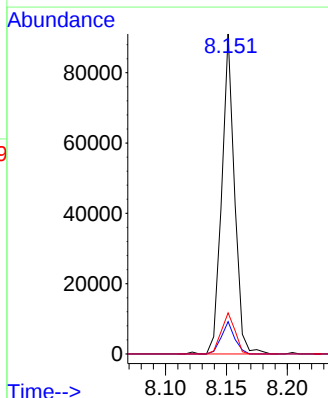
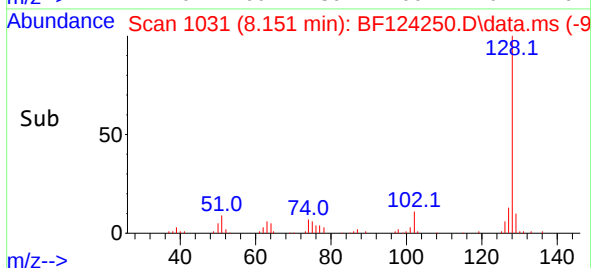
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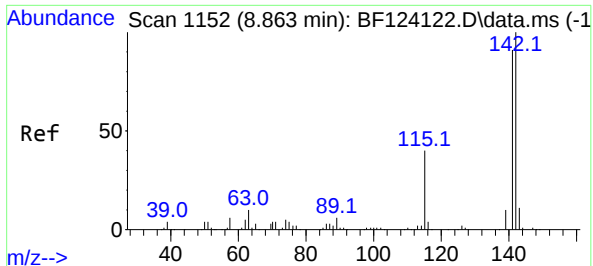


#31
Naphthalene
Concen: 7.679 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



Tgt Ion: 128 Resp: 66471
Ion Ratio Lower Upper
128 100
129 10.1 8.9 13.3
127 12.9 10.8 16.2





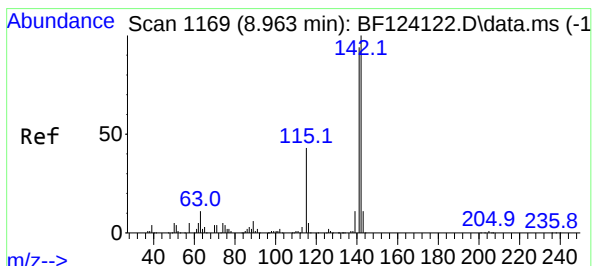
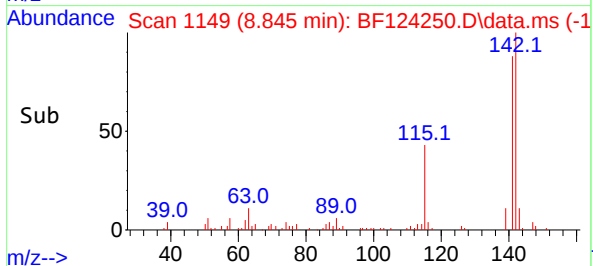
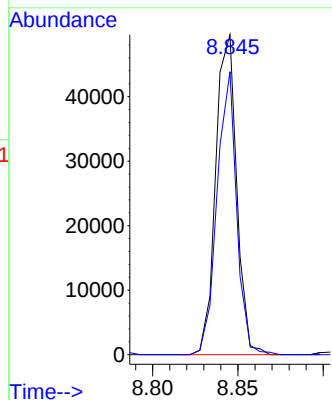
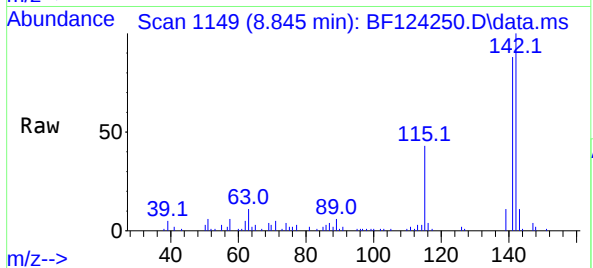
#37
2-Methylnaphthalene
Concen: 7.006 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

Tgt Ion:142 Resp: 42529
Ion Ratio Lower Upper
142 100
141 88.4 71.8 107.6

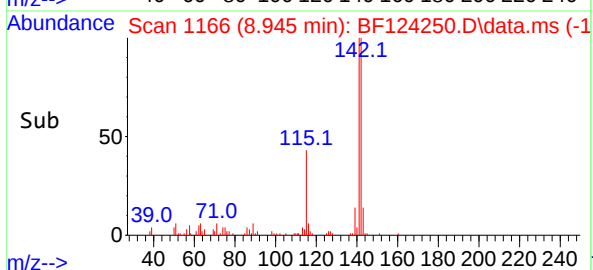
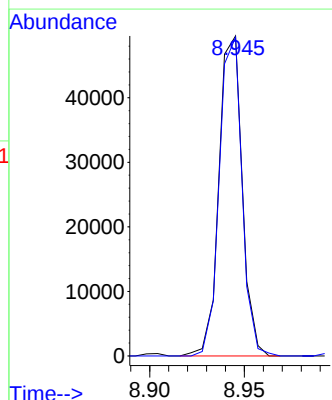
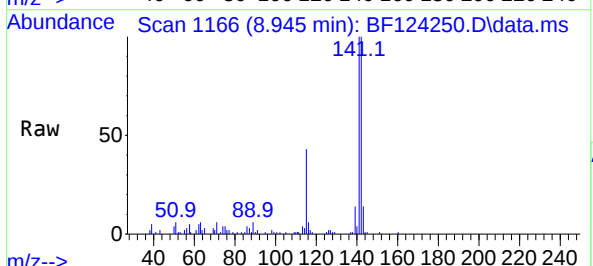
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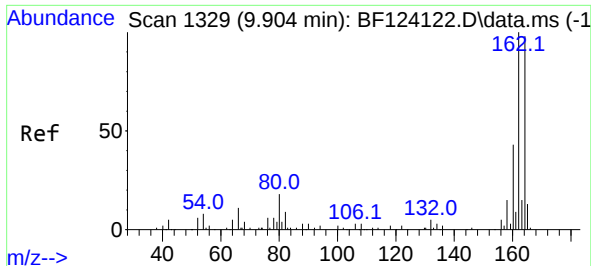
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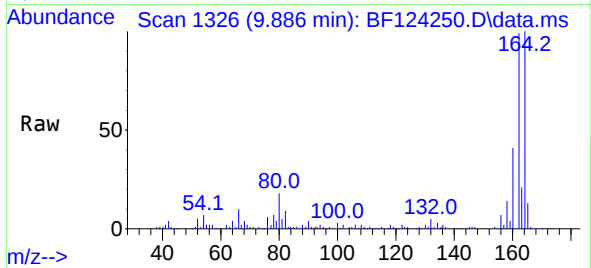
#38
1-Methylnaphthalene
Concen: 7.452 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:142 Resp: 42270
Ion Ratio Lower Upper
142 100
141 99.6 72.8 109.2

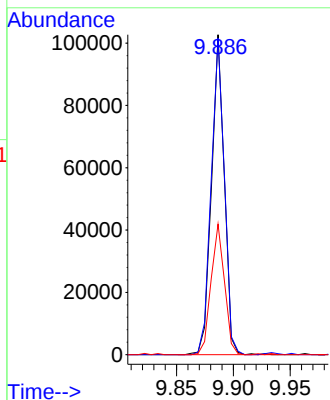
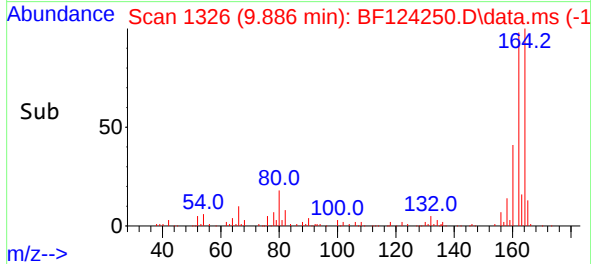




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



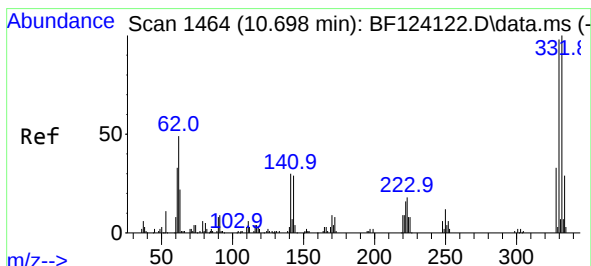
Tgt Ion:164 Resp: 79954
Ion Ratio Lower Upper
164 100
162 98.9 80.7 121.1
160 40.8 37.3 55.9



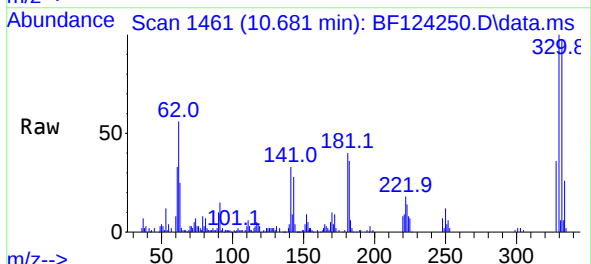
Instrument :
BNA_F
ClientSampleId :
OR-03-060921

Manual Integrations
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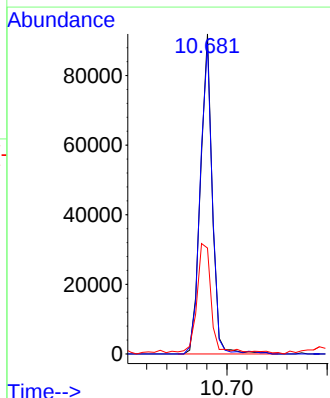
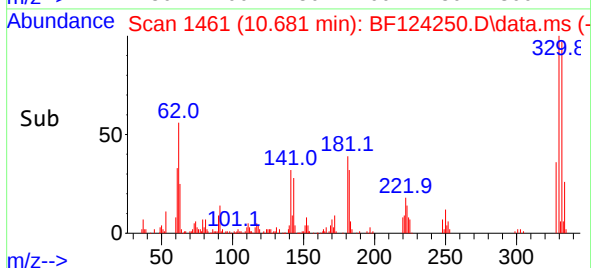
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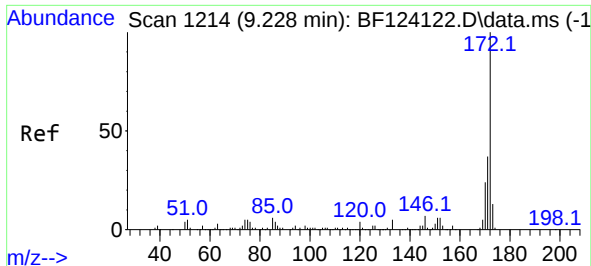


#42
2,4,6-Tribromophenol
Concen: 66.624 ng
RT: 10.681 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



Tgt Ion:330 Resp: 75469
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 39.1 27.9 41.9





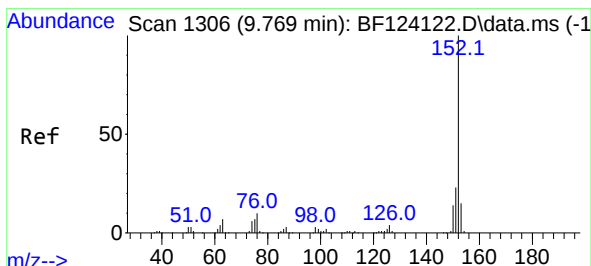
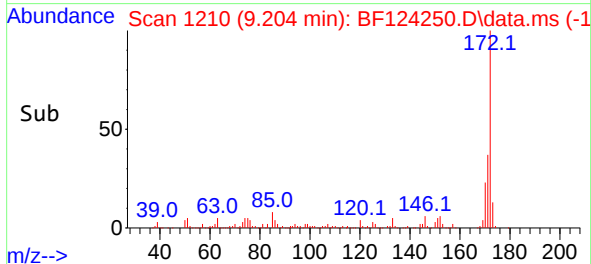
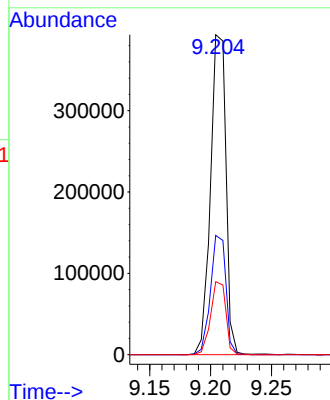
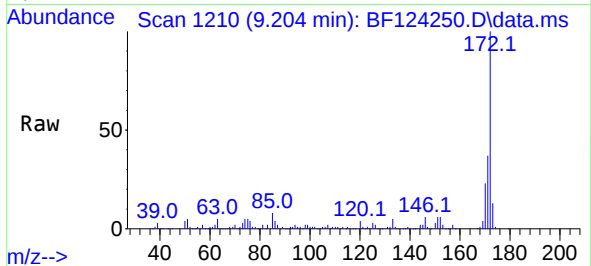
#45
2-Fluorobiphenyl
Concen: 54.522 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:172 Resp: 346422
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 22.8 19.2 28.8

Instrument :
BNA_F
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OR-03-060921

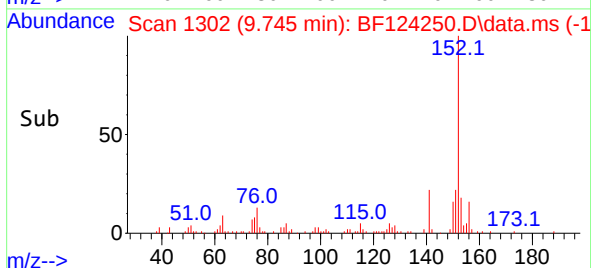
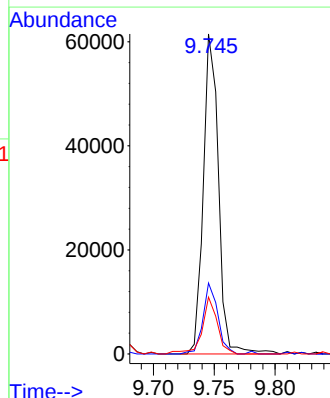
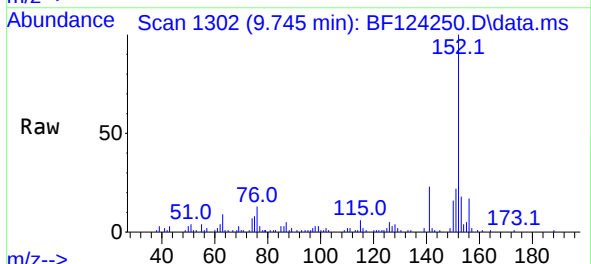
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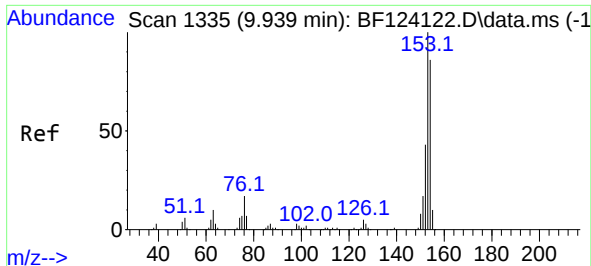
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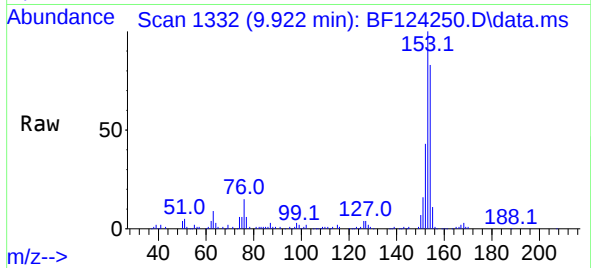
#49
Acenaphthylene
Concen: 6.663 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:152 Resp: 53211
Ion Ratio Lower Upper
152 100
151 22.1 16.0 24.0
153 17.8 10.4 15.6#

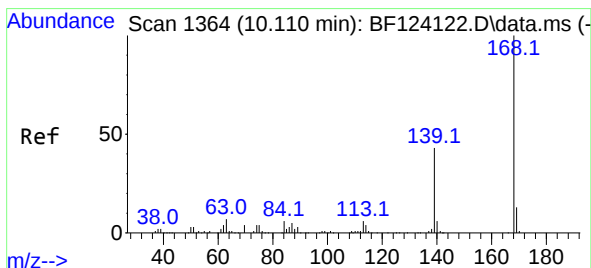
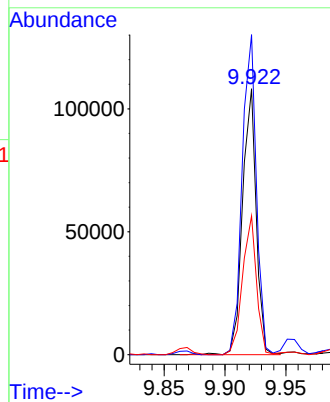
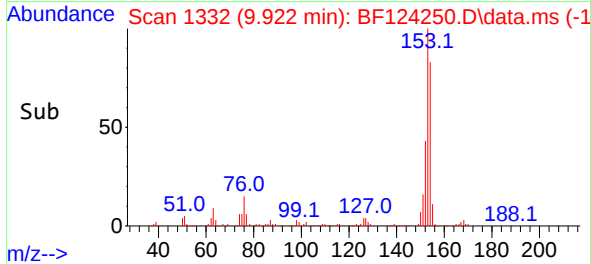




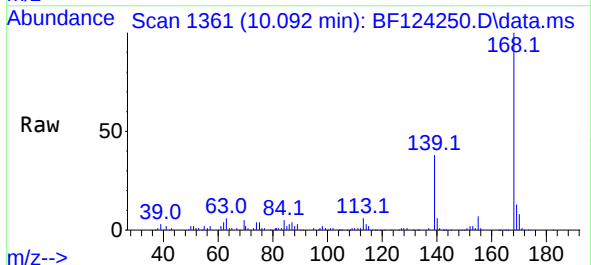
#52
Acenaphthene
Concen: 16.283 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



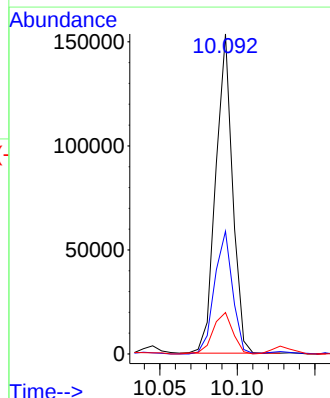
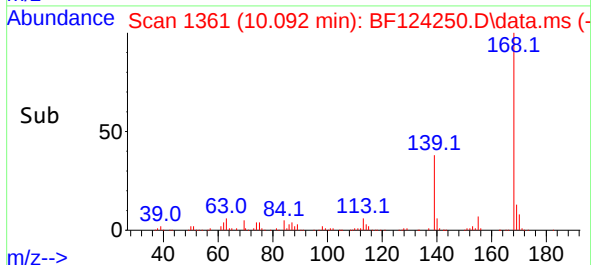
Tgt Ion:154 Resp: 84925
Ion Ratio Lower Upper
154 100
153 120.3 88.1 132.1
152 52.1 43.4 65.0



#55
Dibenzofuran
Concen: 14.155 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



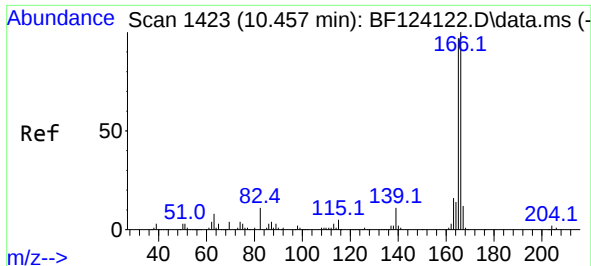
Tgt Ion:168 Resp: 115547
Ion Ratio Lower Upper
168 100
139 38.3 33.2 49.8
169 12.9 10.8 16.2



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OR-03-060921

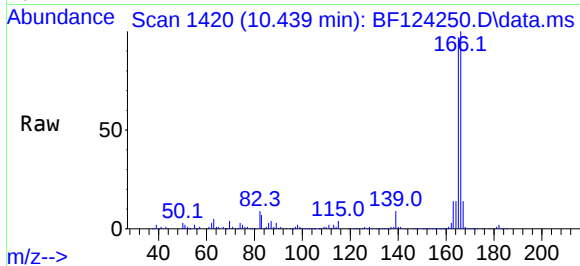
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#58
Fluorene
Concen: 27.607 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

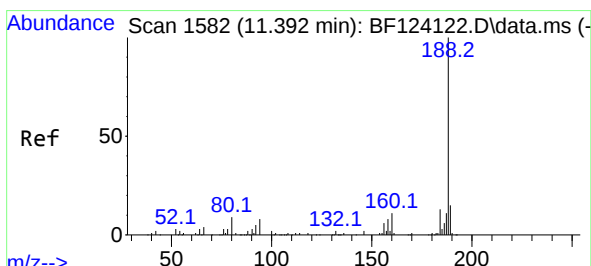
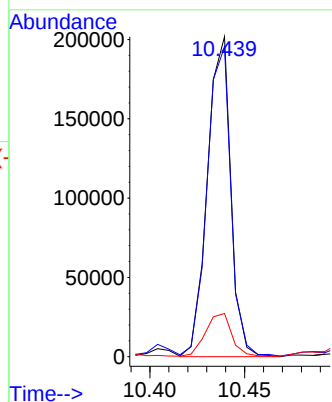
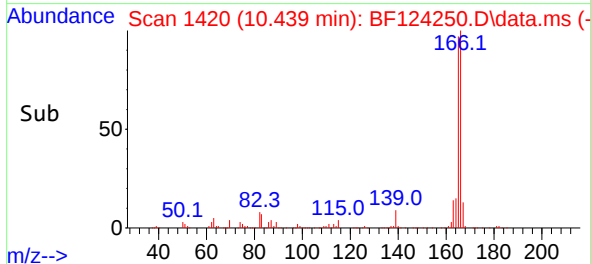
Instrument :
BNA_F
ClientSampleId :
OR-03-060921



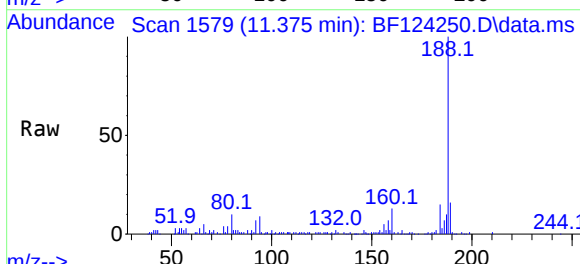
Tgt Ion:166 Resp: 172986
Ion Ratio Lower Upper
166 100
165 96.9 73.5 110.3
167 13.5 10.7 16.1

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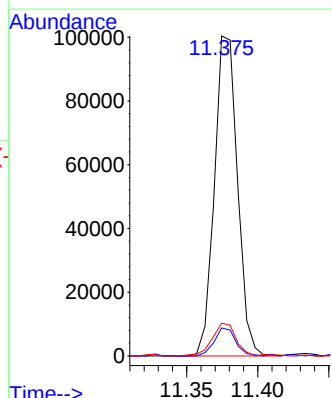
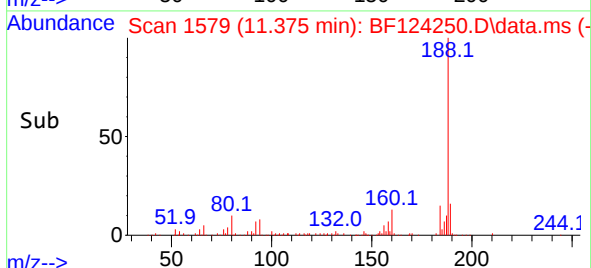
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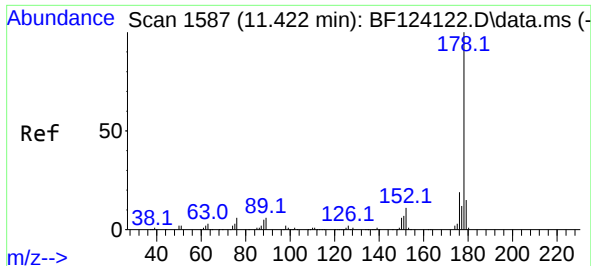


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



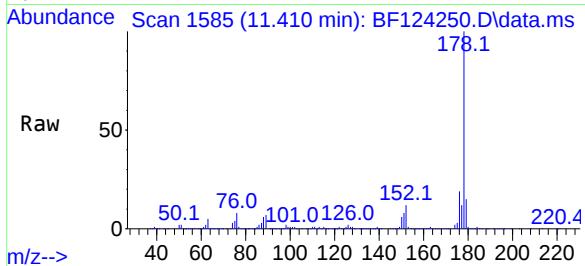
Tgt Ion:188 Resp: 113144
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.3 8.2 12.2





#71
Phenanthrene
Concen: 142.990 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

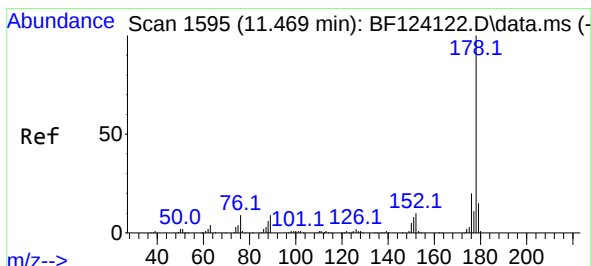
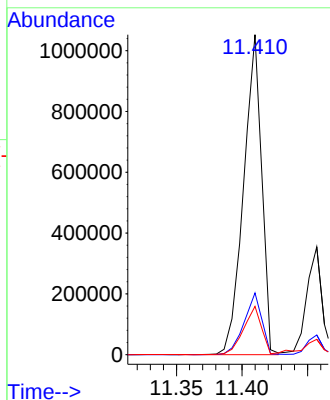
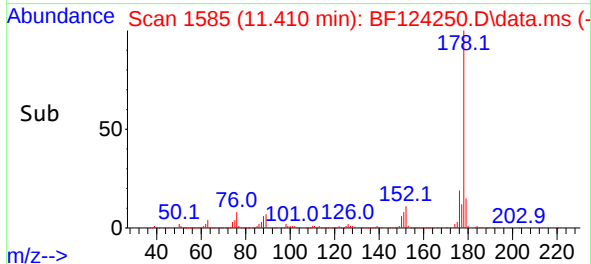
Instrument :
BNA_F
ClientSampleId :
OR-03-060921



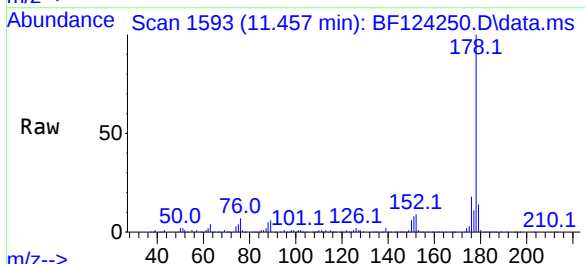
Tgt Ion:178 Resp: 1010639
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.1 12.5 18.7

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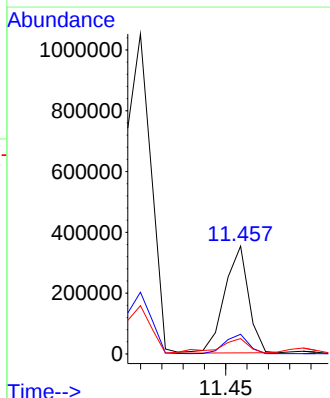
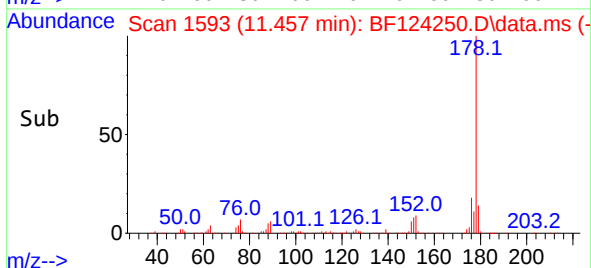
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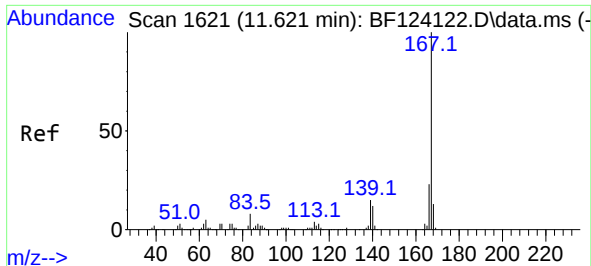


#72
Anthracene
Concen: 38.780 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



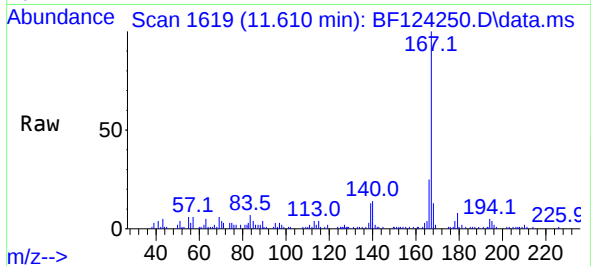
Tgt Ion:178 Resp: 276038
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 14.3 12.6 18.8





#73
 Carbazole
 Concen: 8.313 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF124250.D
 Acq: 11 Jun 2021 00:41

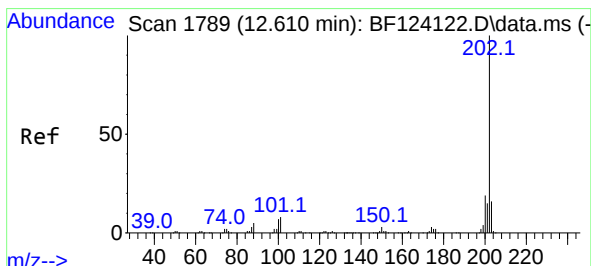
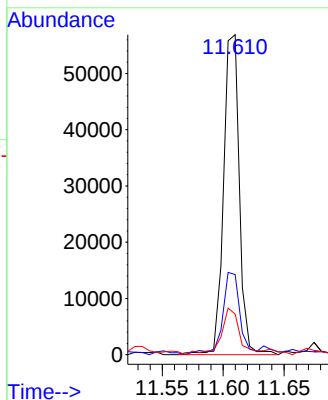
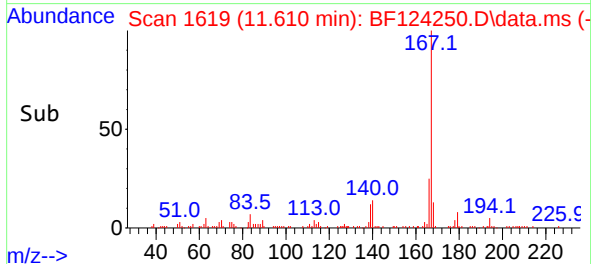
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921



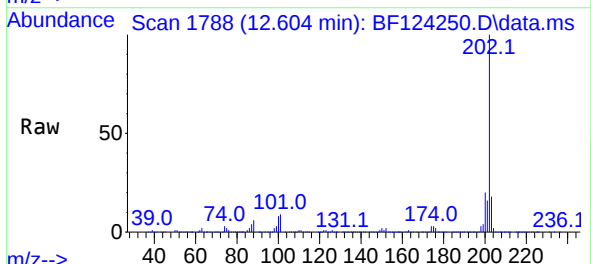
Tgt Ion:167 Resp: 51568
 Ion Ratio Lower Upper
 167 100
 166 25.0 17.0 25.6
 139 12.7 10.4 15.6

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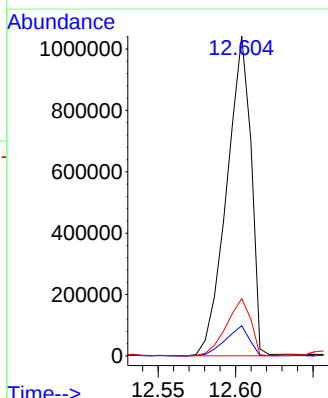
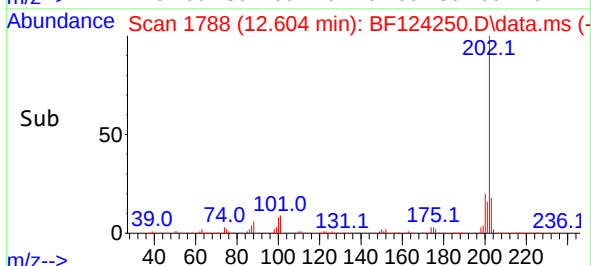
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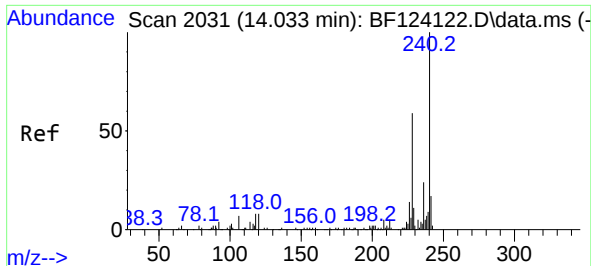


#75
 Fluoranthene
 Concen: 153.008 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.012 min
 Lab File: BF124250.D
 Acq: 11 Jun 2021 00:41



Tgt Ion:202 Resp: 1135170
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 17.9 0.0 37.5





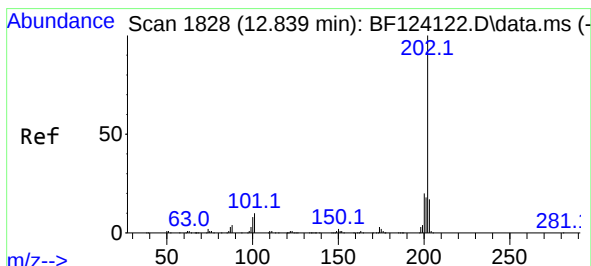
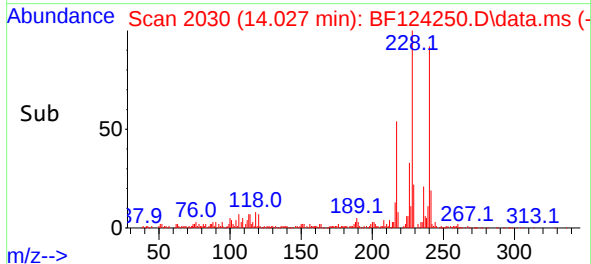
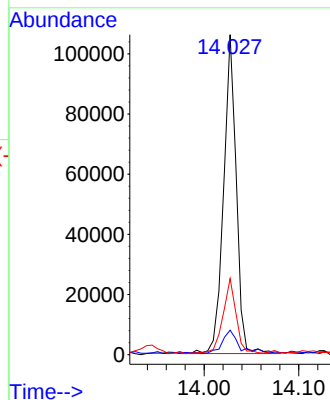
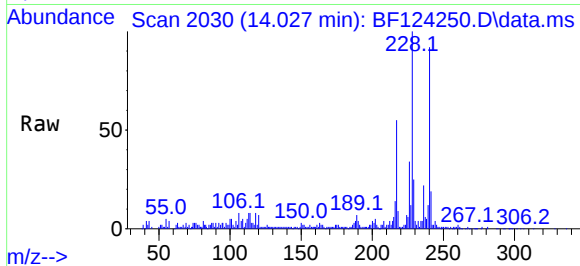
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:	240	Resp:	99063
Ion Ratio	Lower	Upper	
240	100		
120	7.6	7.2	10.8
236	23.8	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

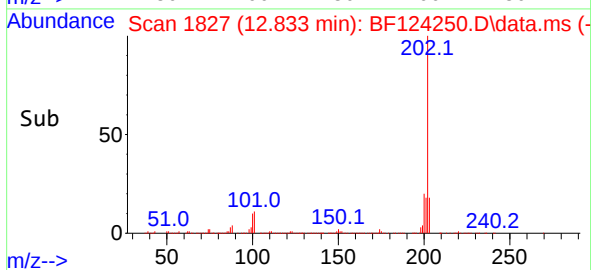
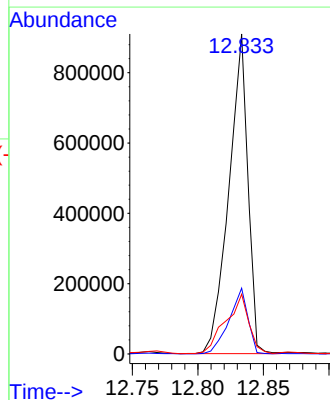
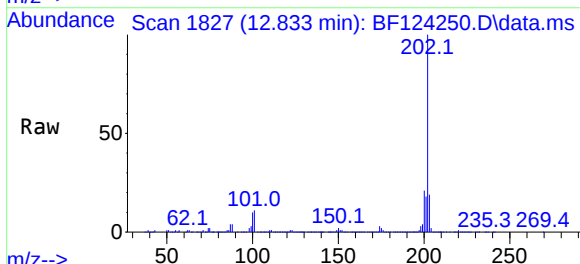
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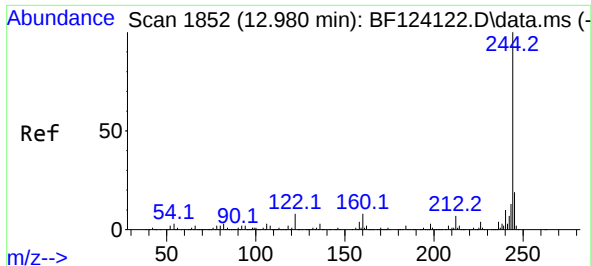
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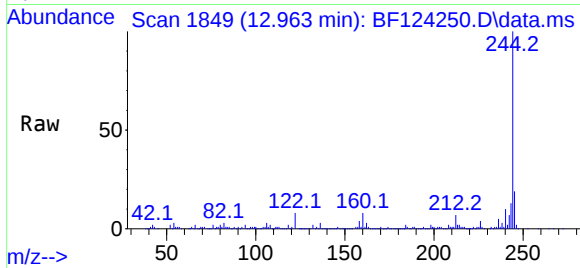
#78
Pyrene
Concen: 96.516 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:	202	Resp:	918117
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.1	24.1
203	18.6	14.8	22.2

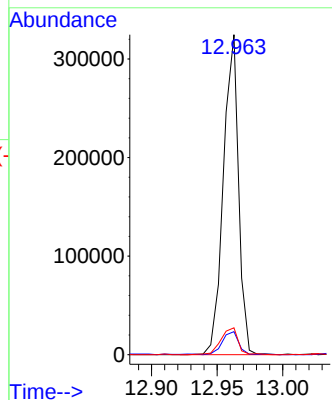




#79
Terphenyl-d14
Concen: 36.067 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



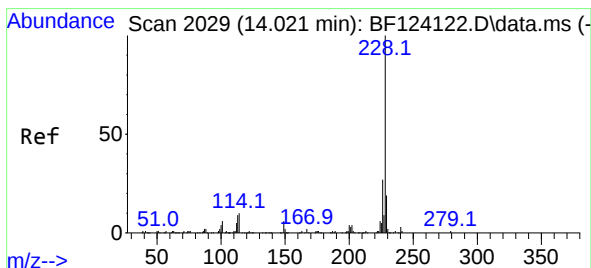
Tgt Ion:244 Resp: 260232
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 8.4 9.7 14.5#



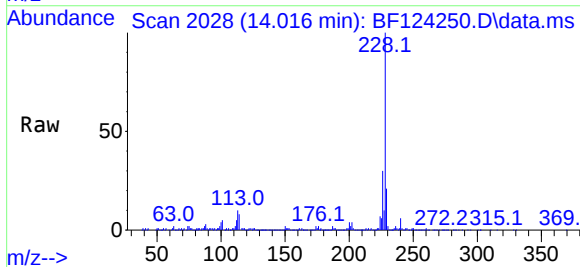
Instrument :
BNA_F
ClientSampleId :
OR-03-060921

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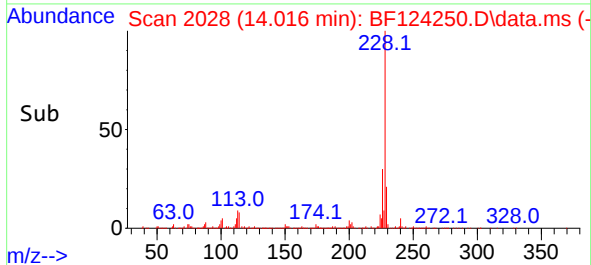
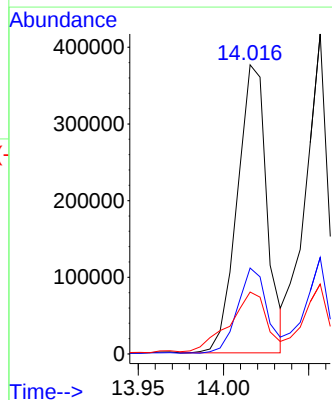
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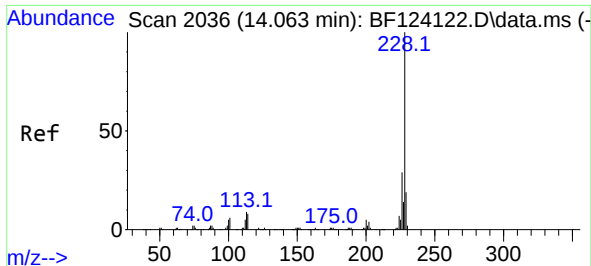


#81
Benzo(a)anthracene
Concen: 63.083 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

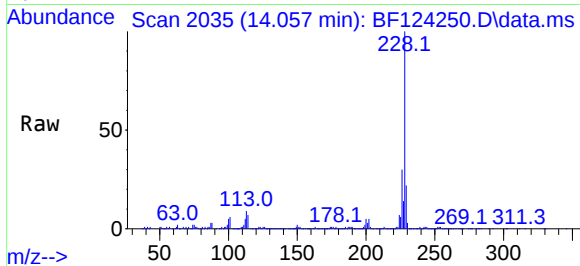


Tgt Ion:228 Resp: 455252
Ion Ratio Lower Upper
228 100
226 29.7 22.4 33.6
229 21.4 16.0 24.0

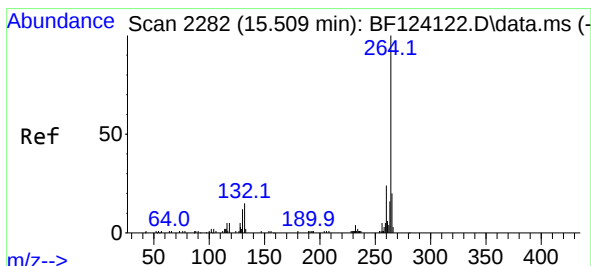
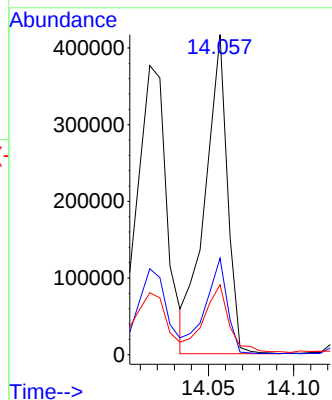
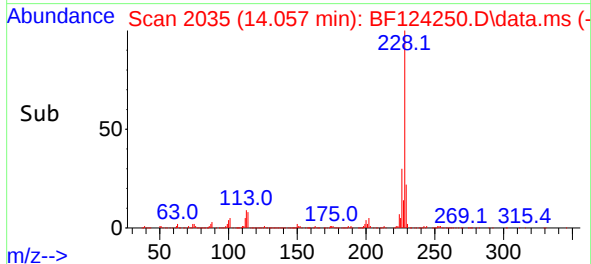




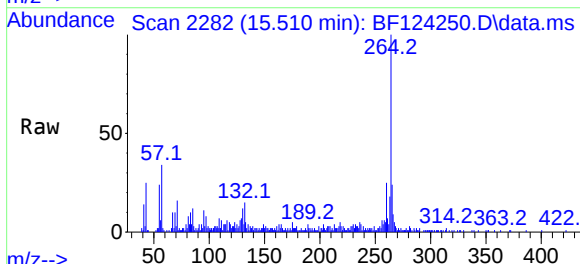
#83
Chrysene
Concen: 54.847 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



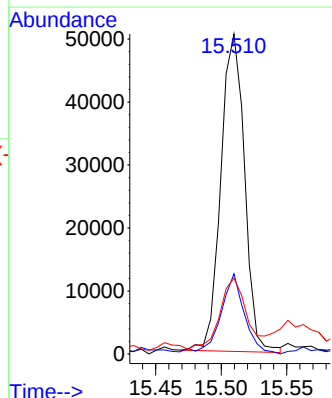
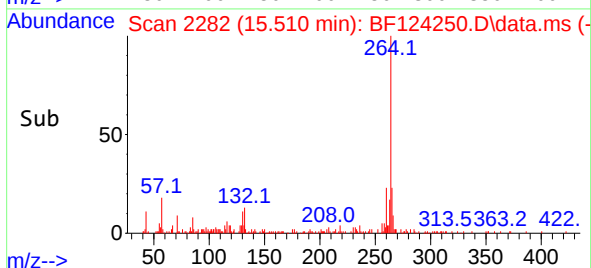
Tgt Ion:228 Resp: 381883
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.8 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41



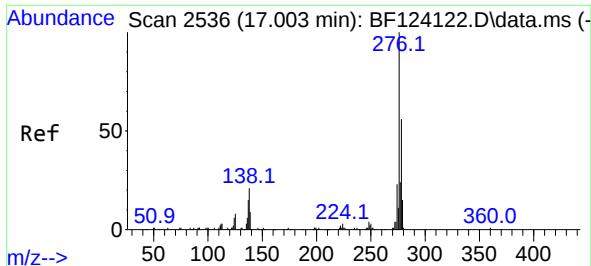
Tgt Ion:264 Resp: 63269
Ion Ratio Lower Upper
264 100
260 25.0 18.7 28.1
265 23.7 17.8 26.8



Instrument :
BNA_F
ClientSampleId :
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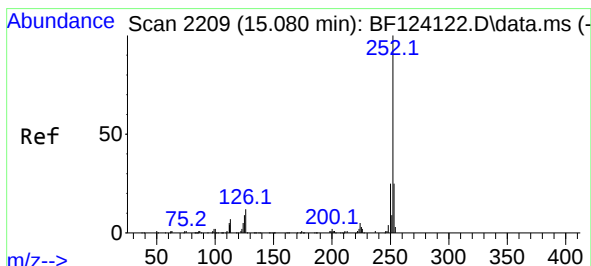
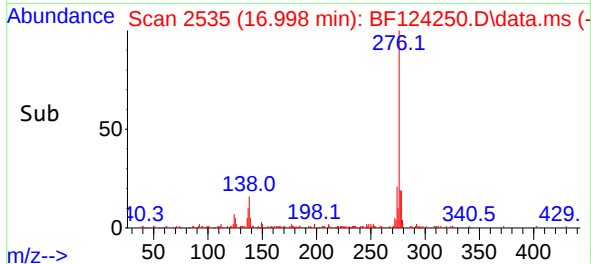
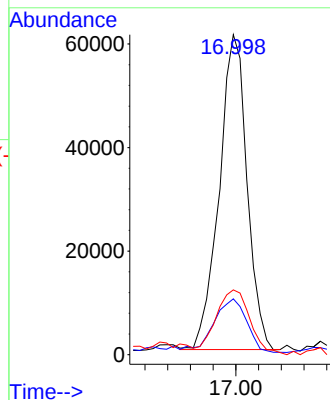
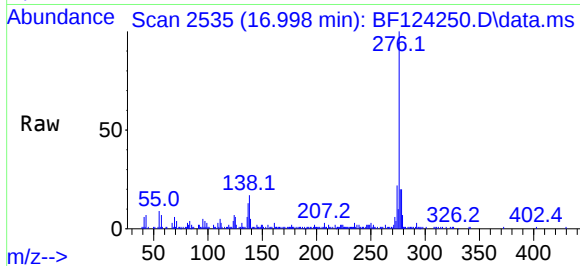
#87
Indeno(1,2,3-cd)pyrene
Concen: 22.170 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.018 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion: 276 Resp: 103241
Ion Ratio Lower Upper
276 100
138 19.8 16.2 24.2
277 25.4 20.1 30.1

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

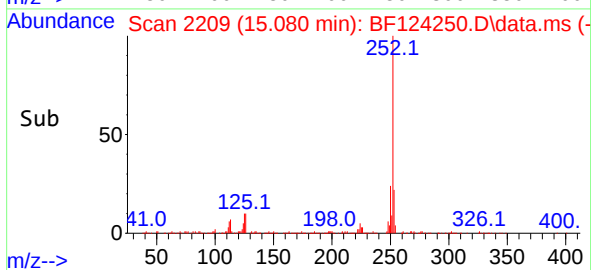
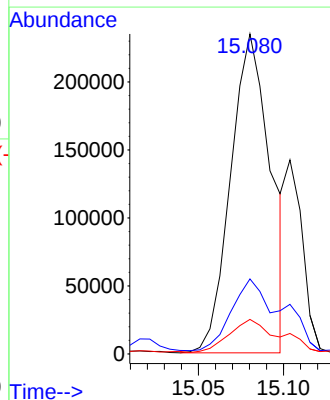
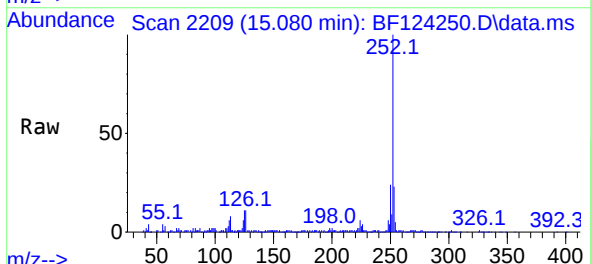
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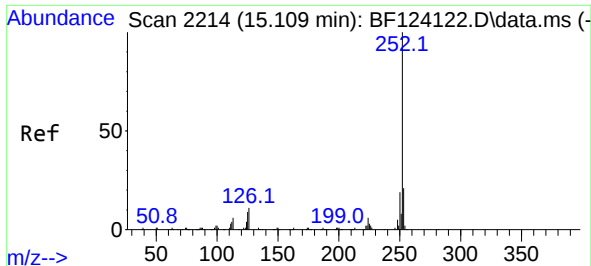
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#88
Benzo(b)fluoranthene
Concen: 77.824 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.018 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion: 252 Resp: 382491
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 10.8 6.2 9.4#





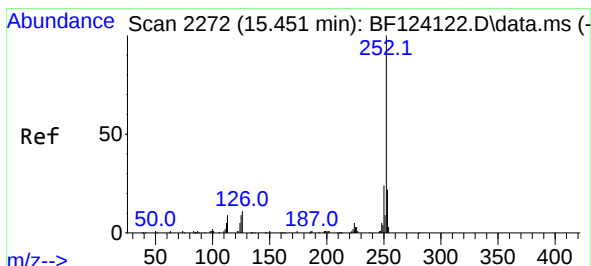
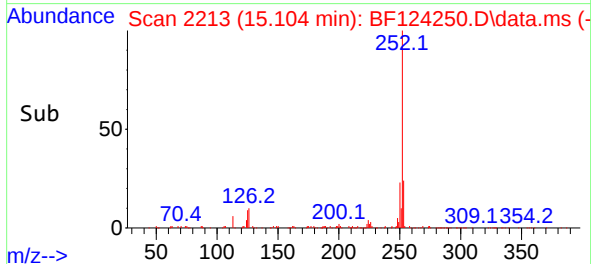
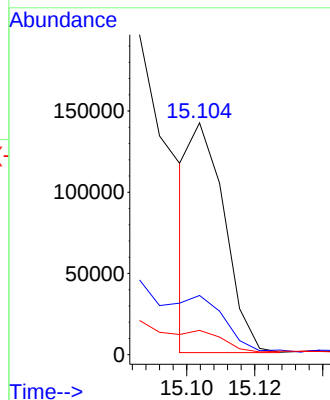
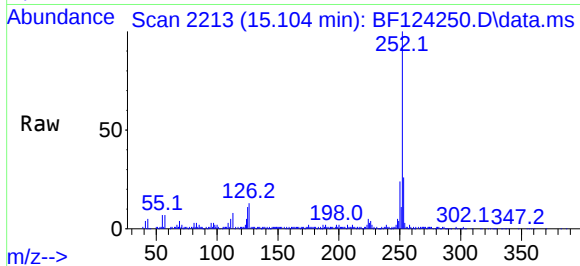
#89
Benzo(k)fluoranthene
Concen: 20.907 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.012 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:	252	Resp:	97274
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	10.5	7.0	10.6

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

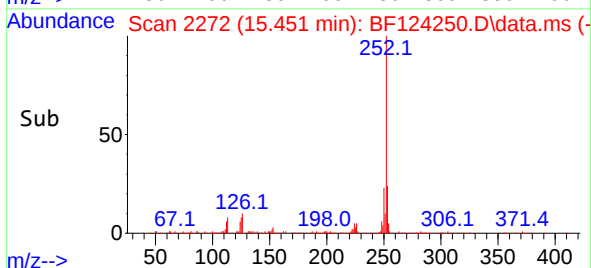
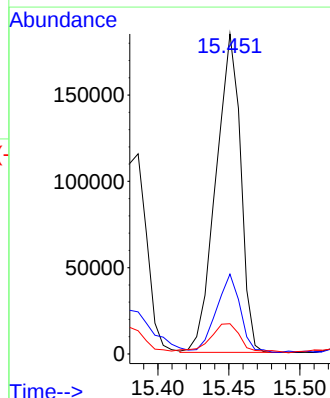
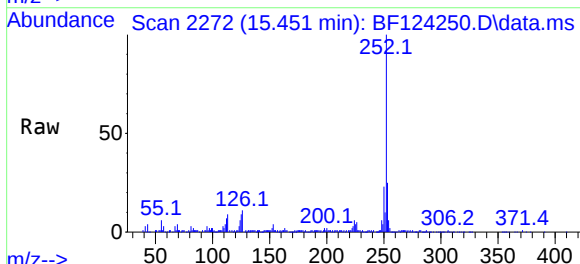
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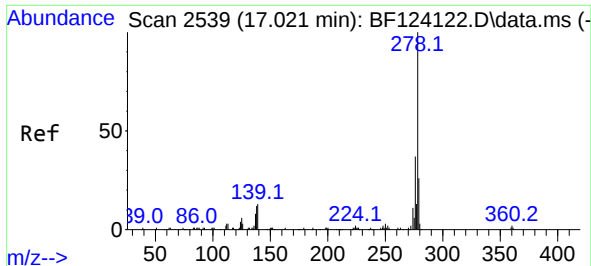
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#90
Benzo(a)pyrene
Concen: 52.376 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:	252	Resp:	223586
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.4	27.6
125	9.4	8.0	12.0





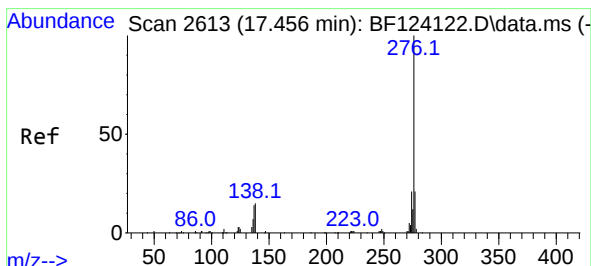
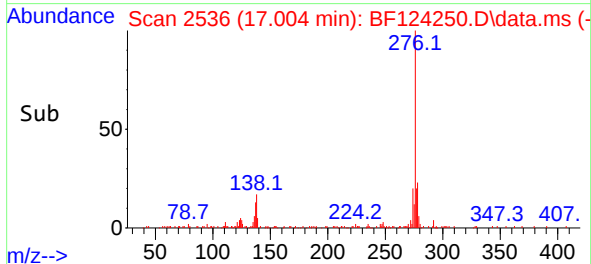
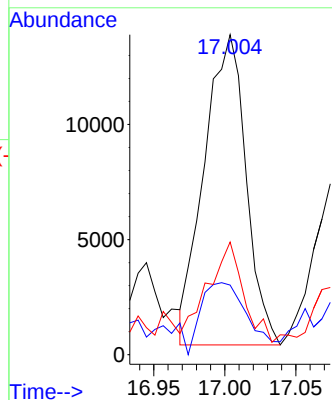
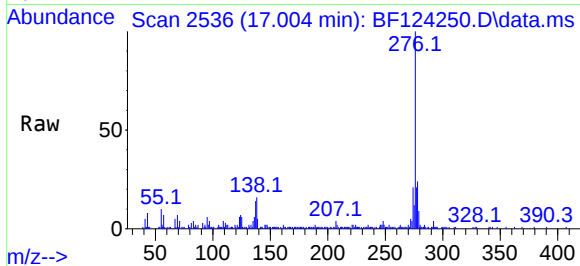
#91
Dibenzo(a,h)anthracene
Concen: 9.781 ng
RT: 17.004 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:278 Resp: 27593
Ion Ratio Lower Upper
278 100
139 21.8 10.2 15.2#
279 35.2 19.4 29.0#

Instrument :
BNA_F
ClientSampleId :
OR-03-060921

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6/11/2021 2:11:08 PM



#92
Benzo(g,h,i)perylene
Concen: 23.694 ng
RT: 17.457 min Scan# 2613
Delta R.T. 0.024 min
Lab File: BF124250.D
Acq: 11 Jun 2021 00:41

Tgt Ion:276 Resp: 95796
Ion Ratio Lower Upper
276 100
277 21.5 18.2 27.2
138 17.3 13.8 20.6

