

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124167.D
 Acq On : 7 Jun 2021 20:54
 Operator : JU/CG
 Sample : M2589-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B11(2-4)

Manual Integrations
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Quant Time: Jun 08 01:30:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	37404	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	142650	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	77357	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	124459	20.000	ng	0.00
76) Chrysene-d12	14.033	240	91530	20.000	ng	0.00
86) Perylene-d12	15.515	264	66503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	50293	20.241	ng	0.00
7) Phenol-d6	6.498	99	67969	20.351	ng	-0.01
23) Nitrobenzene-d5	7.416	82	53481	14.869	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	12994	11.856	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	101065	16.440	ng	-0.01
79) Terphenyl-d14	12.968	244	90118	13.518	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	30442	3.569	ng	# 95
37) 2-Methylnaphthalene	8.857	142	12419	2.076	ng	89
52) Acenaphthene	9.933	154	22888	4.536	ng	96
55) Dibenzofuran	10.104	168	18252	2.311	ng	97
58) Fluorene	10.445	166	22606	3.729	ng	# 79
71) Phenanthrene	11.410	178	183532	23.606	ng	100
72) Anthracene	11.463	178	43105	5.505	ng	97
73) Carbazole	11.616	167	18551	2.719	ng	# 75
75) Fluoranthene	12.604	202	173007	21.199	ng	98
78) Pyrene	12.833	202	150346	17.106	ng	98
80) Butylbenzylphthalate	13.445	149	19594	5.496	ng	93
81) Benzo(a)anthracene	14.021	228	62940	9.439	ng	97
83) Chrysene	14.057	228	49701	7.726	ng	96
84) Bis(2-ethylhexyl)phtha...	14.009	149	62977	14.849	ng	98
87) Indeno(1,2,3-cd)pyrene	17.003	276	18583	7.389	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	51107m	9.893	ng	
89) Benzo(k)fluoranthene	15.104	252	17036m	3.483	ng	
90) Benzo(a)pyrene	15.451	252	33881	7.551	ng	# 96
92) Benzo(g,h,i)perylene	17.456	276	17608	7.285	ng	# 90

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

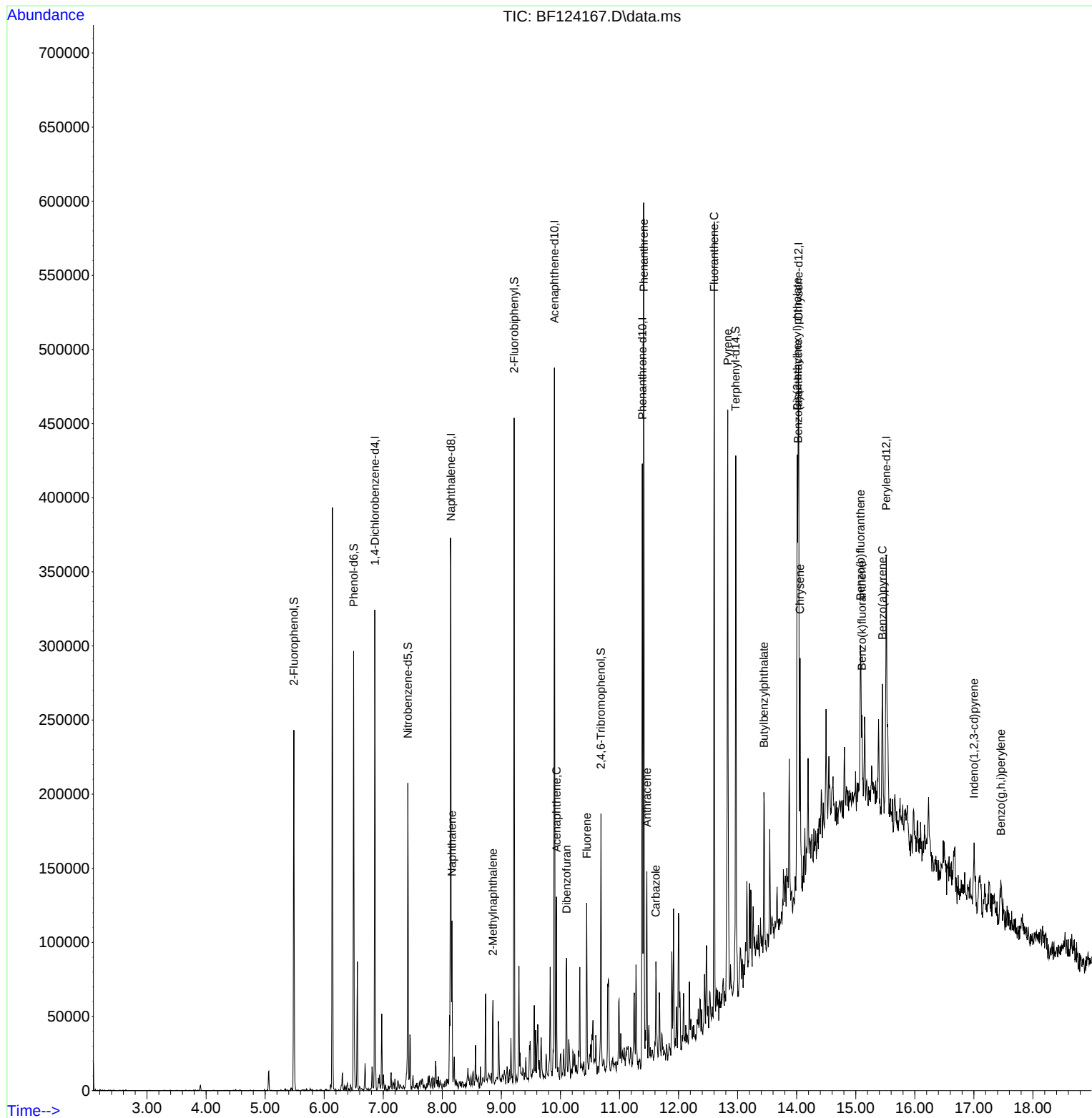
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
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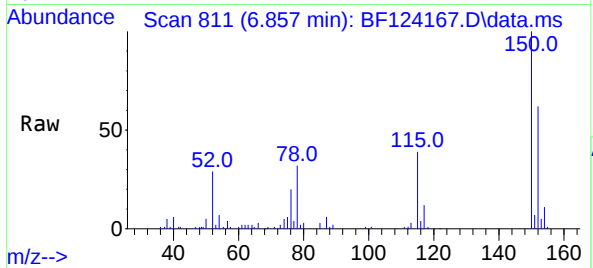
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Quant Time: Jun 08 01:30:43 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
Response via : Initial Calibration

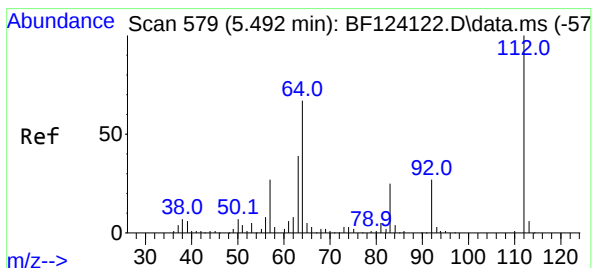
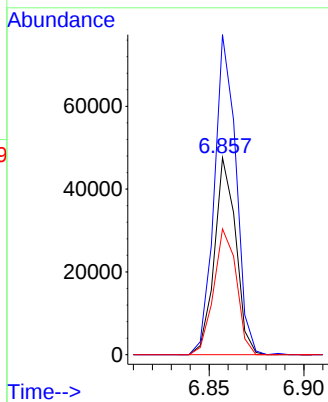
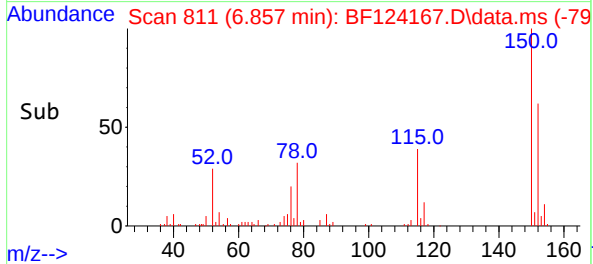




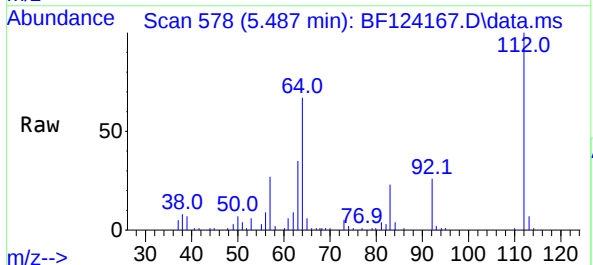
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124167.D
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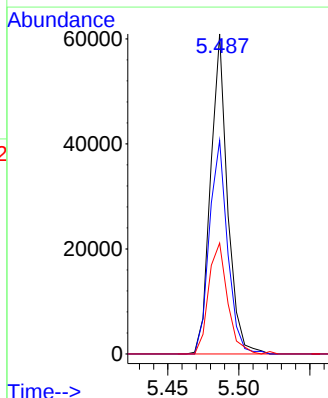
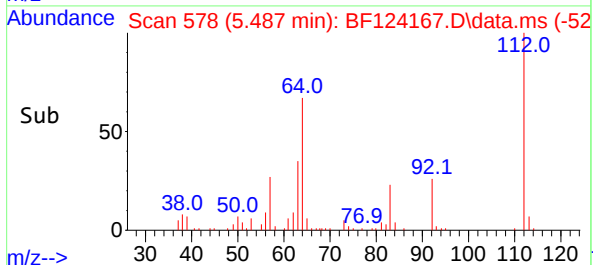
Tgt Ion:152 Resp: 37404
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 63.9 54.3 81.5



#5
2-Fluorophenol
Concen: 20.241 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



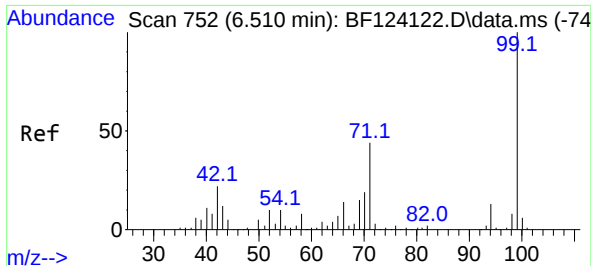
Tgt Ion:112 Resp: 50293
Ion Ratio Lower Upper
112 100
64 66.7 61.4 92.0
63 34.6 33.0 49.4



Instrument :
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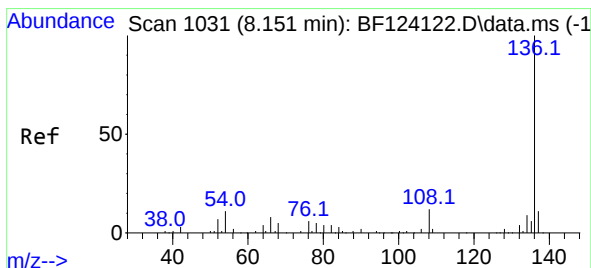
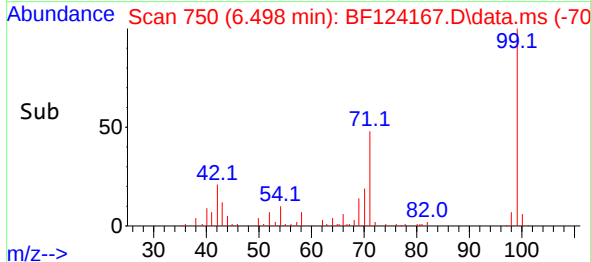
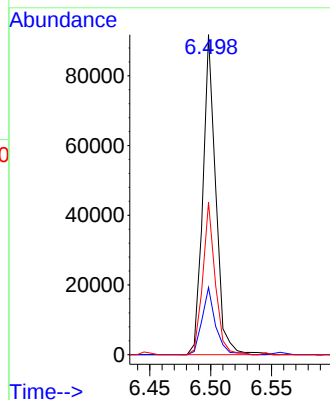
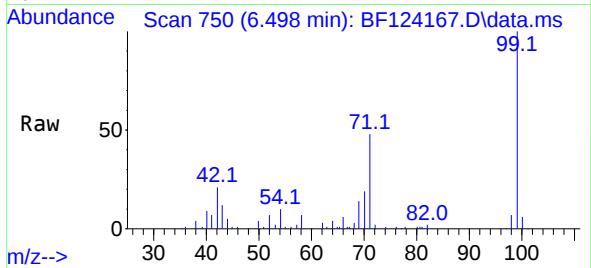
#7
Phenol-d6
Concen: 20.351 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Tgt Ion: 99 Resp: 67969
Ion Ratio Lower Upper
99 100
42 21.0 19.8 29.8
71 47.6 31.1 46.7#

Instrument :
BNA_F
ClientSampleId :
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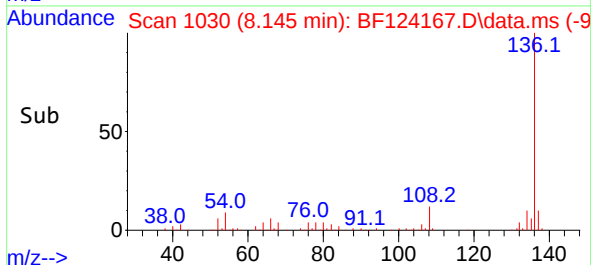
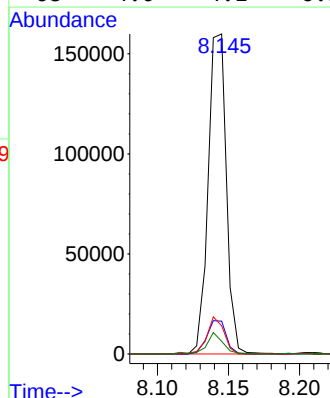
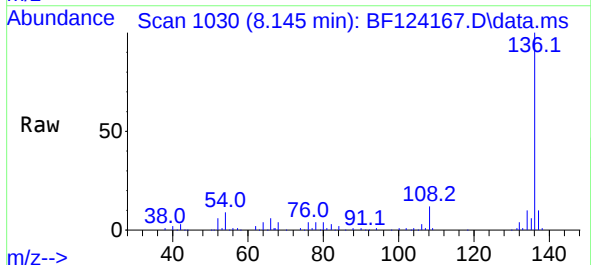
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

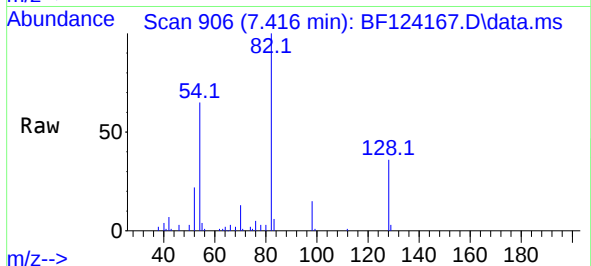
Tgt Ion:136 Resp: 142650
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 8.8 9.8 14.6#
68 4.0 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 14.869 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

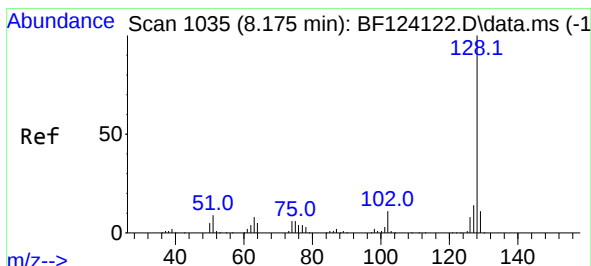
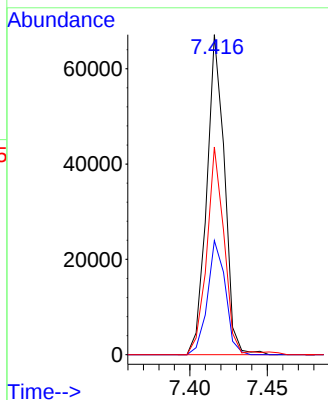
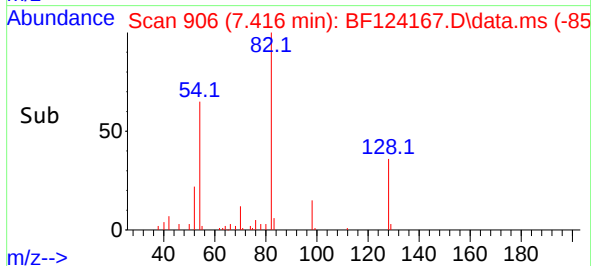
Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)



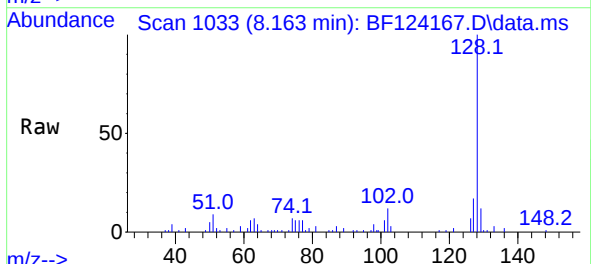
Tgt Ion: 82 Resp: 53481
Ion Ratio Lower Upper
82 100
128 35.6 29.4 44.2
54 64.9 54.1 81.1

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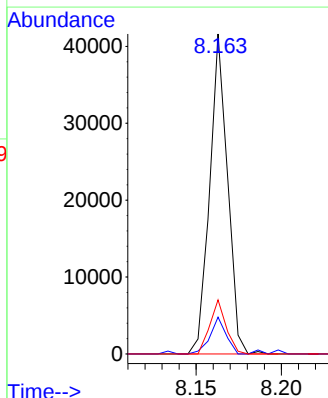
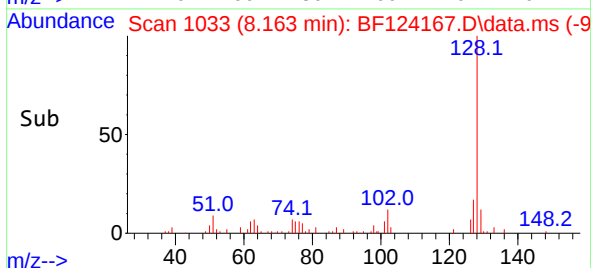
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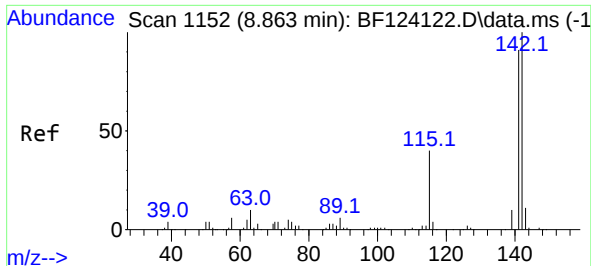


#31
Naphthalene
Concen: 3.569 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



Tgt Ion: 128 Resp: 30442
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 16.9 10.8 16.2#





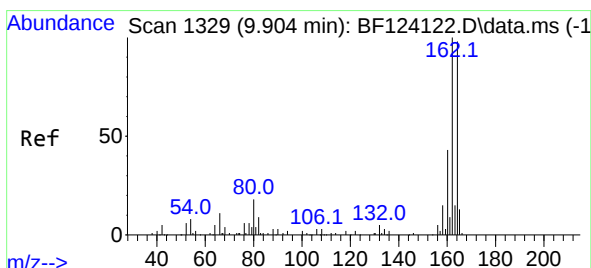
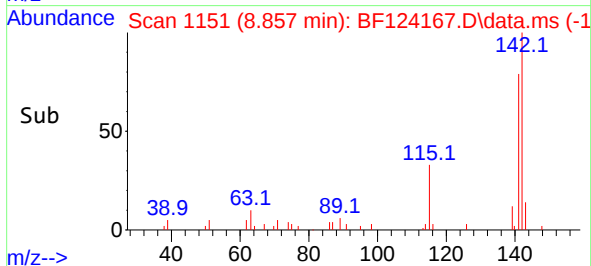
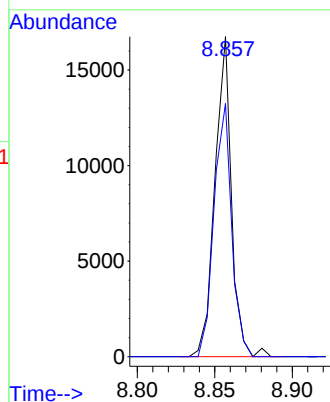
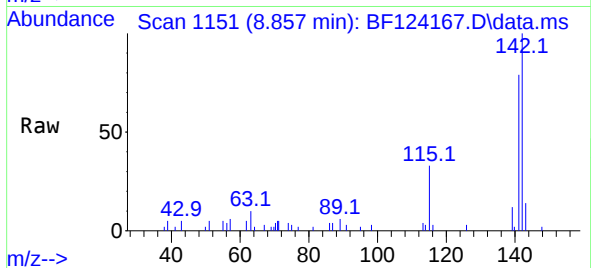
#37
2-Methylnaphthalene
Concen: 2.076 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 12419
Ion Ratio Lower Upper
142 100
141 79.1 71.8 107.6

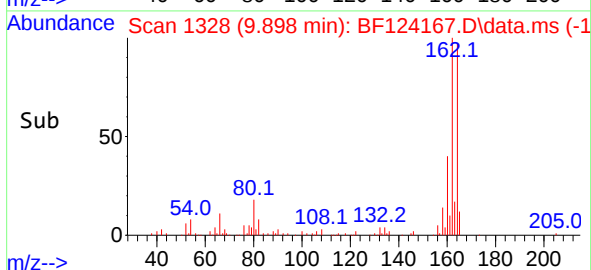
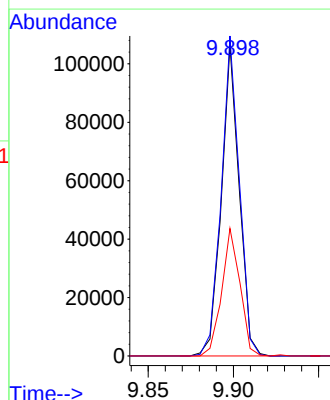
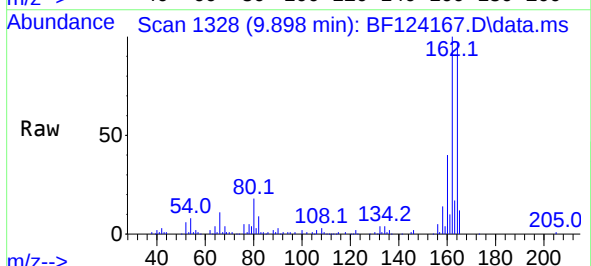
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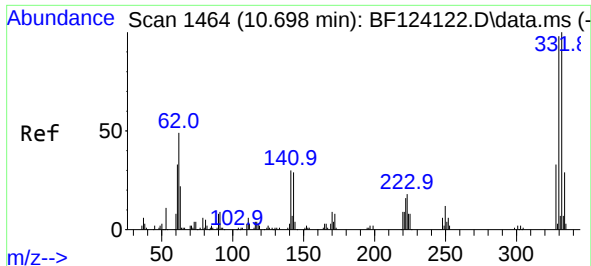
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

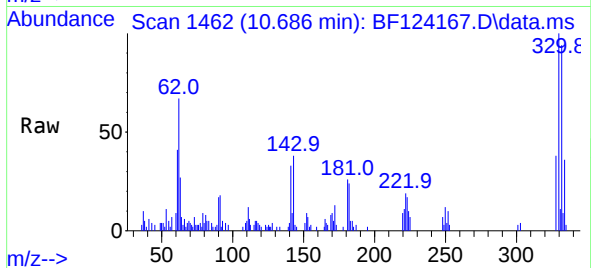
Tgt Ion:164 Resp: 77357
Ion Ratio Lower Upper
164 100
162 103.0 80.7 121.1
160 41.1 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 11.856 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

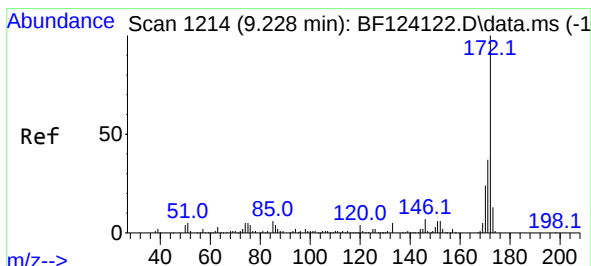
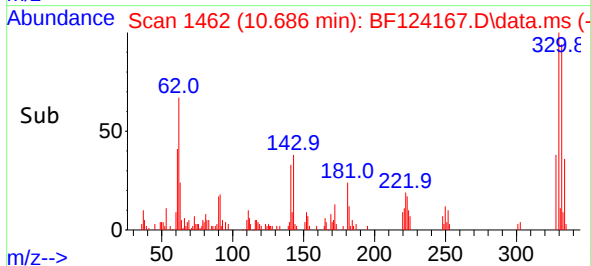
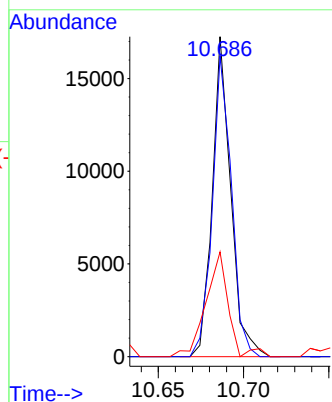
Instrument :
BNA_F
ClientSampled :
18-B11(2-4)



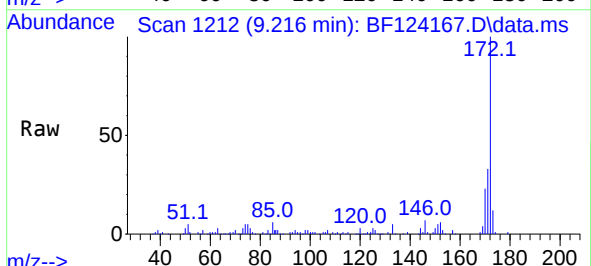
Tgt Ion:330 Resp: 12994
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 40.1 27.9 41.9

Manual Integrations
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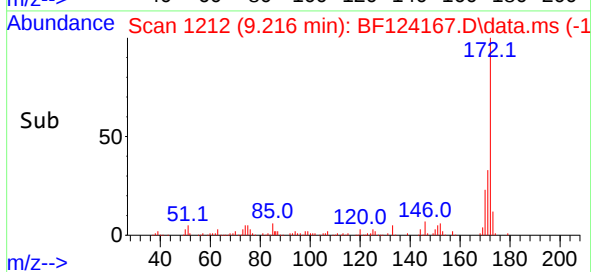
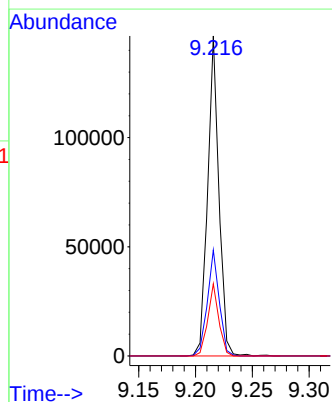
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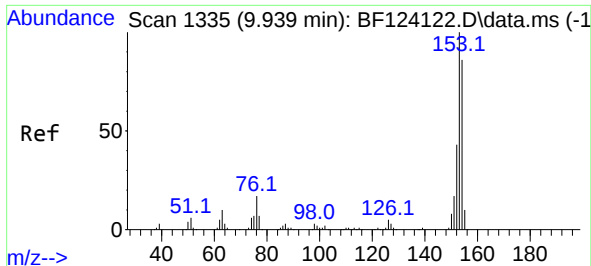


#45
2-Fluorobiphenyl
Concen: 16.440 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

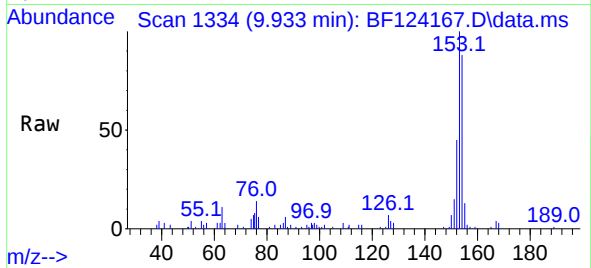


Tgt Ion:172 Resp: 101065
Ion Ratio Lower Upper
172 100
171 33.1 28.1 42.1
170 22.5 19.2 28.8

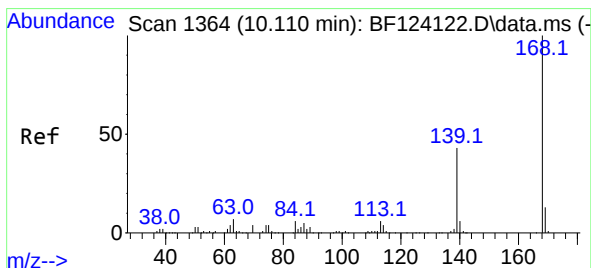
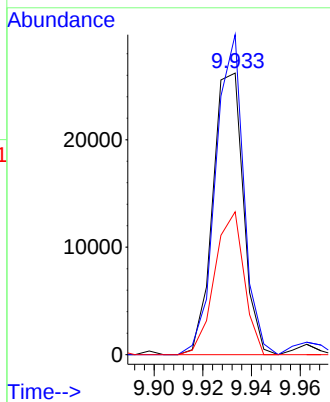
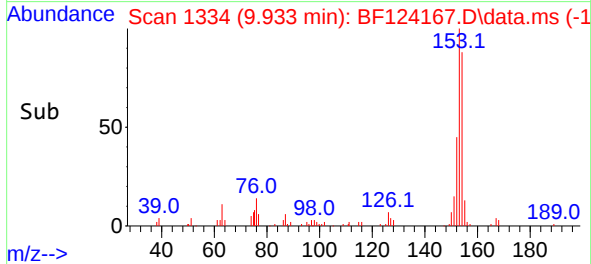




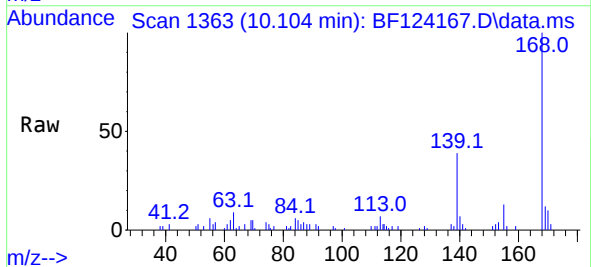
#52
Acenaphthene
Concen: 4.536 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



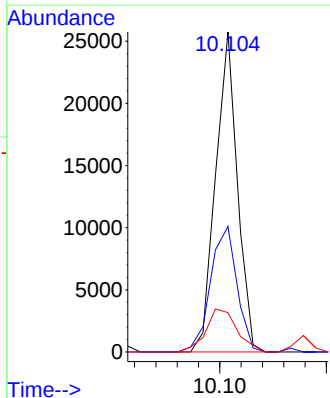
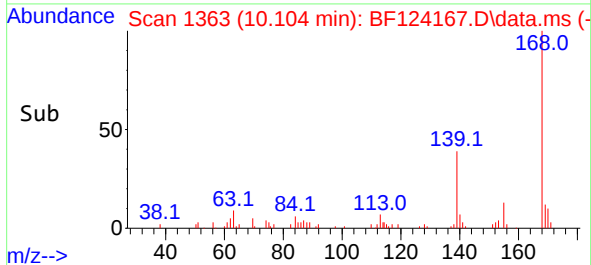
Tgt Ion:154 Resp: 22888
Ion Ratio Lower Upper
154 100
153 113.6 88.1 132.1
152 50.8 43.4 65.0



#55
Dibenzofuran
Concen: 2.311 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



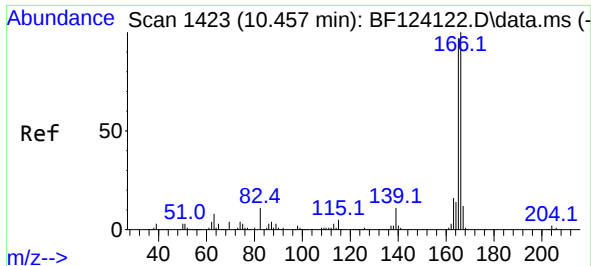
Tgt Ion:168 Resp: 18252
Ion Ratio Lower Upper
168 100
139 39.2 33.2 49.8
169 12.3 10.8 16.2



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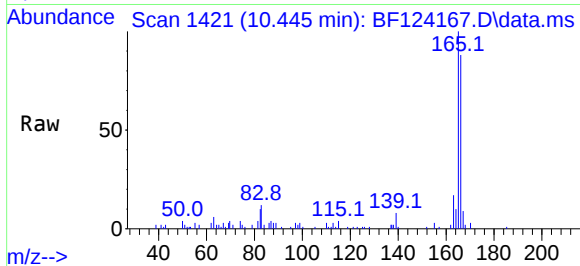
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#58
Fluorene
Concen: 3.729 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

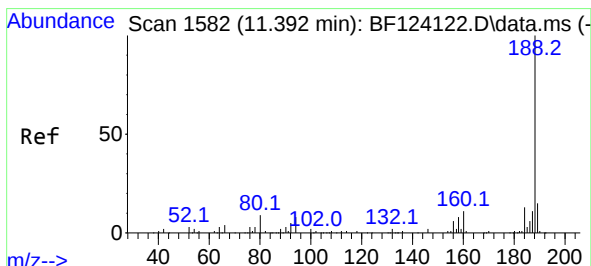
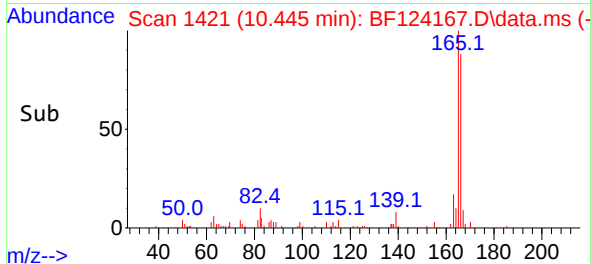
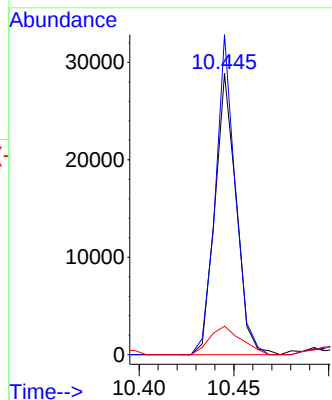
Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)



Tgt Ion:166 Resp: 22606
Ion Ratio Lower Upper
166 100
165 113.8 73.5 110.3#
167 10.2 10.7 16.1#

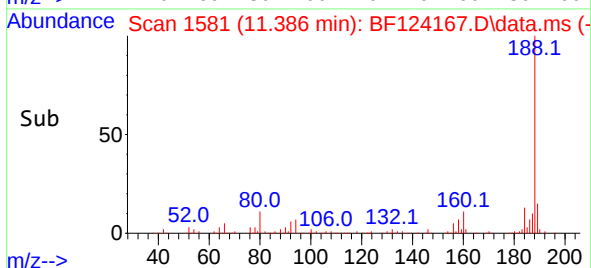
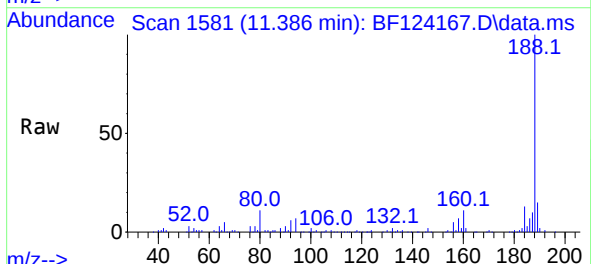
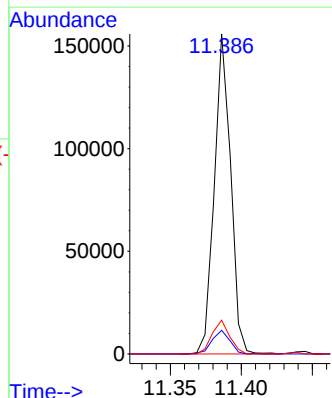
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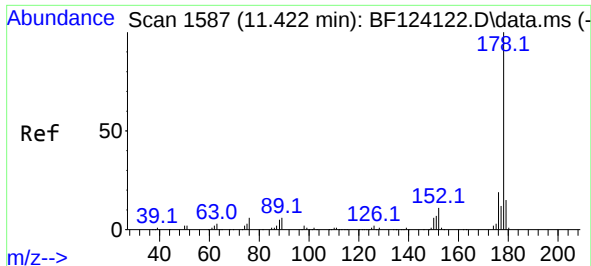
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Tgt Ion:188 Resp: 124459
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 10.6 8.2 12.2





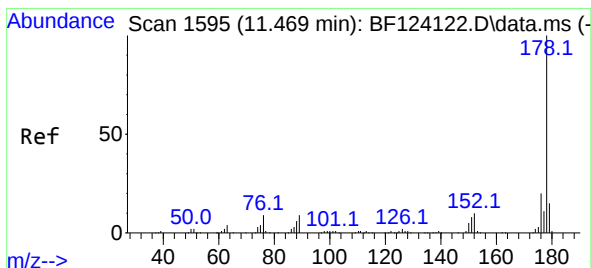
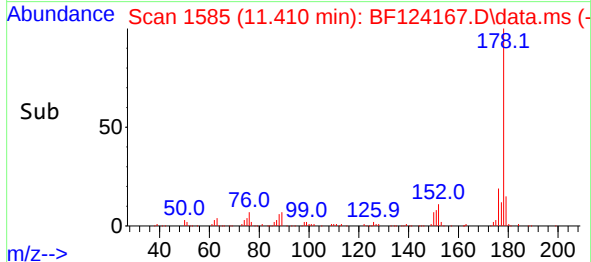
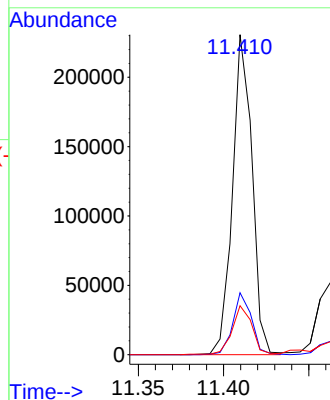
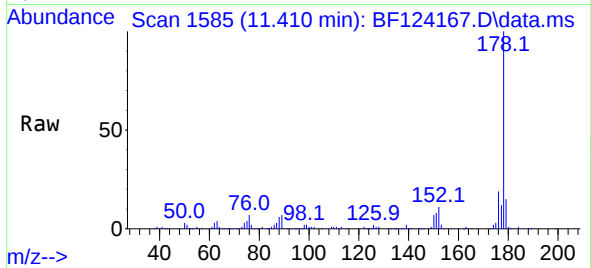
#71
Phenanthrene
Concen: 23.606 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Tgt Ion:	178	Resp:	183532
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.6	23.4
179	15.3	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)

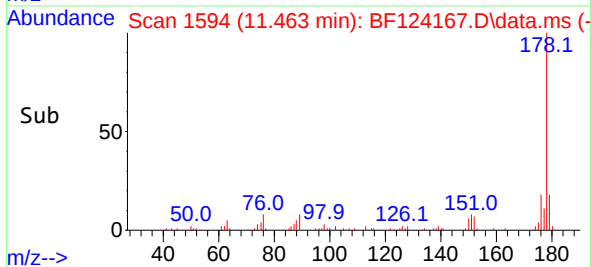
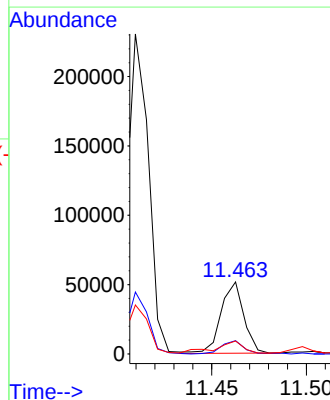
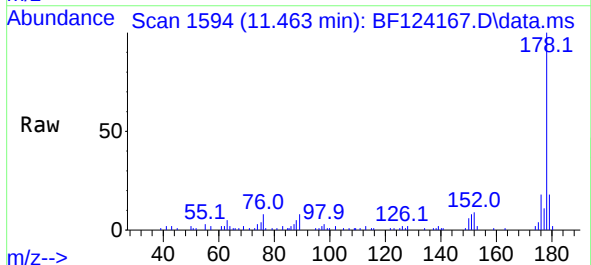
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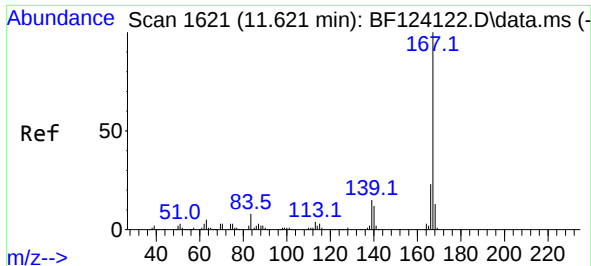
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#72
Anthracene
Concen: 5.505 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

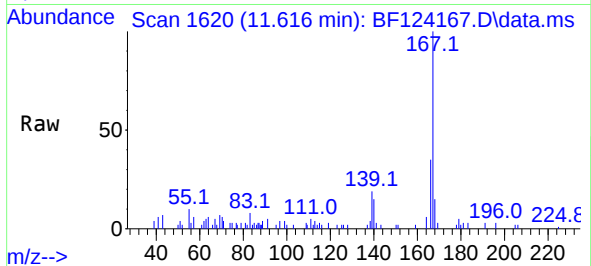
Tgt Ion:	178	Resp:	43105
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.0
179	18.0	12.6	18.8





#73
 Carbazole
 Concen: 2.719 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF124167.D
 Acq: 7 Jun 2021 20:54

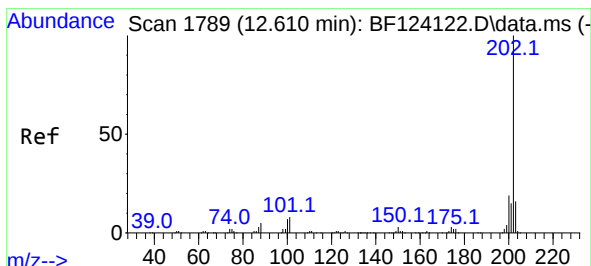
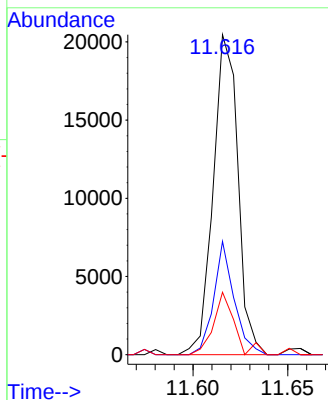
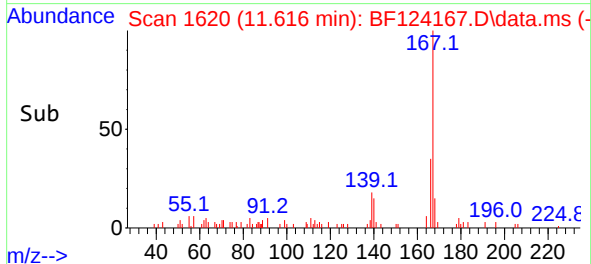
Instrument :
 BNA_F
 ClientSampleId :
 18-B11(2-4)



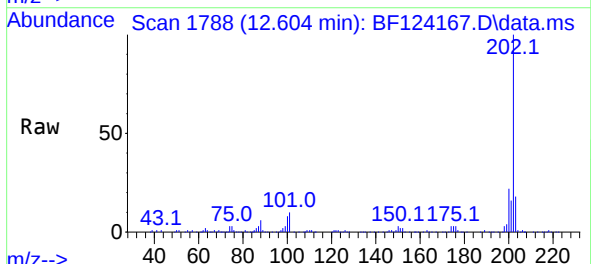
Tgt Ion:167 Resp: 18551
 Ion Ratio Lower Upper
 167 100
 166 35.4 17.0 25.6#
 139 19.5 10.4 15.6#

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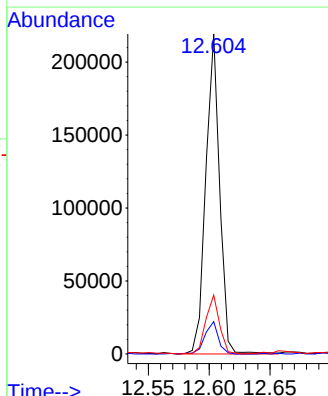
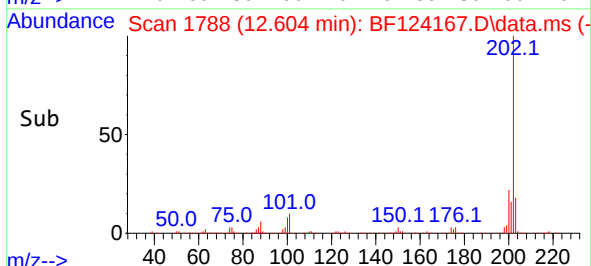
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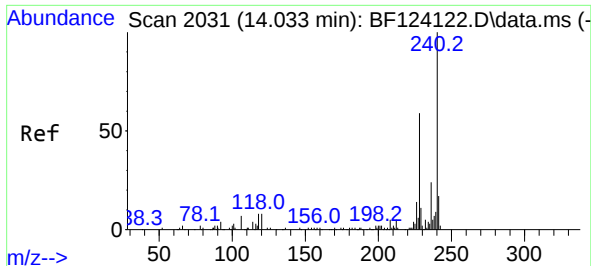


#75
 Fluoranthene
 Concen: 21.199 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124167.D
 Acq: 7 Jun 2021 20:54

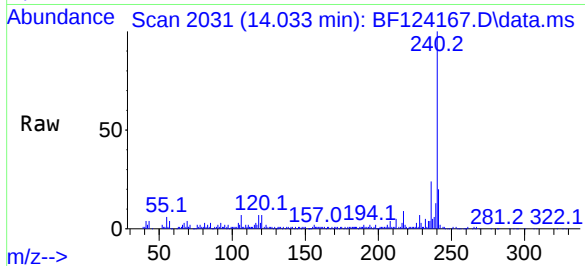


Tgt Ion:202 Resp: 173007
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.9
 203 18.4 0.0 37.5

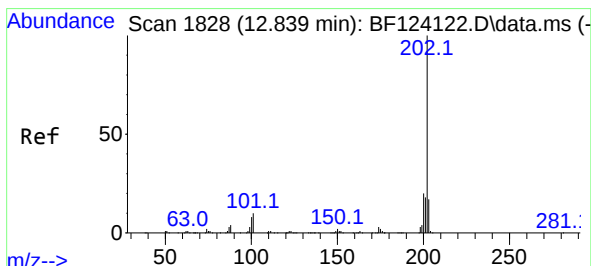
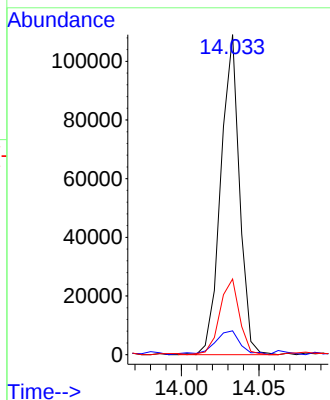
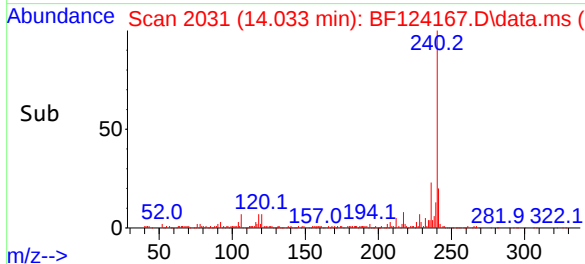




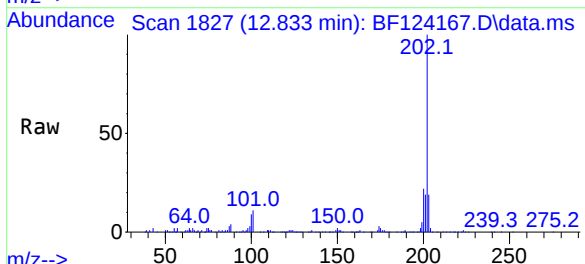
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



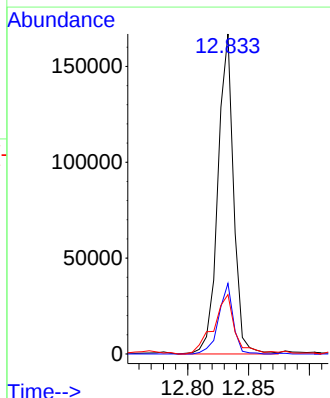
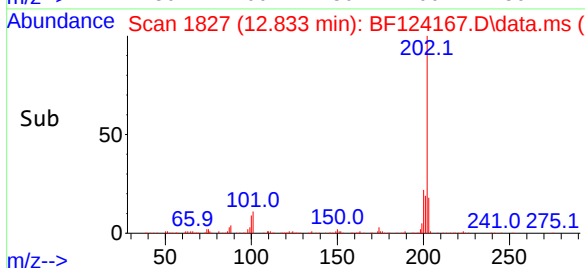
Tgt Ion:240 Resp: 91530
Ion Ratio Lower Upper
240 100
120 7.5 7.2 10.8
236 23.6 19.0 28.4



#78
Pyrene
Concen: 17.106 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



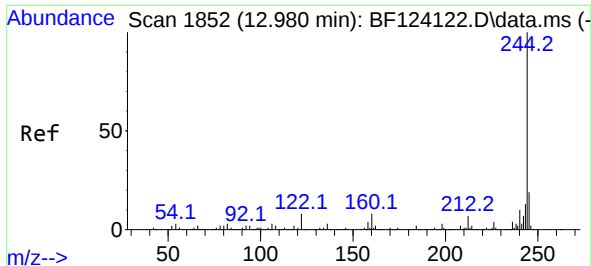
Tgt Ion:202 Resp: 150346
Ion Ratio Lower Upper
202 100
200 22.1 16.1 24.1
203 18.6 14.8 22.2



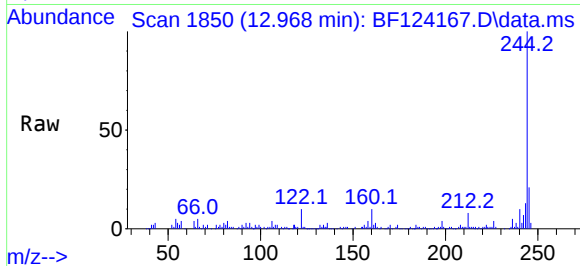
Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)

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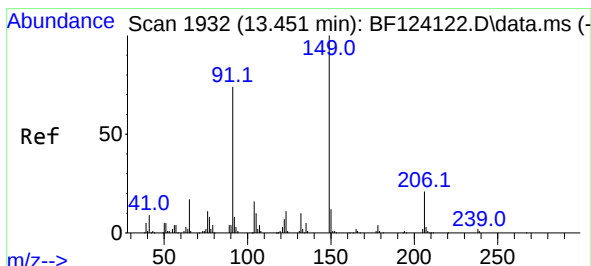
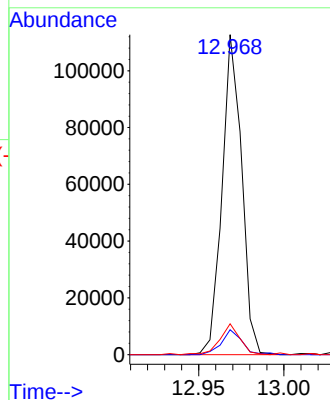
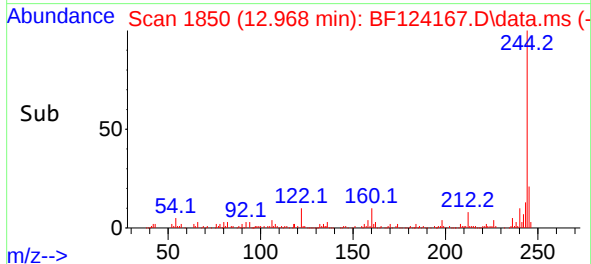
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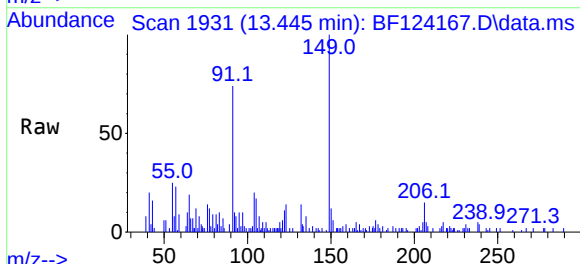
#79
Terphenyl-d14
Concen: 13.518 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



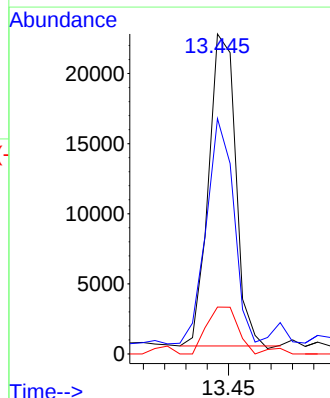
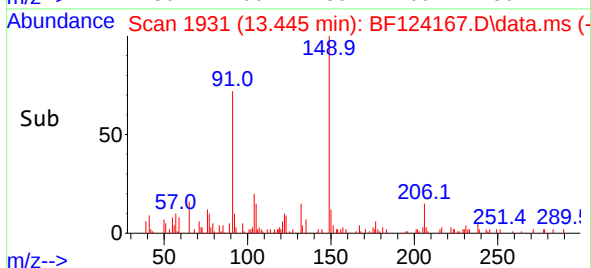
Tgt Ion:244 Resp: 90118
Ion Ratio Lower Upper
244 100
212 7.8 5.7 8.5
122 9.6 9.7 14.5#



#80
Butylbenzylphthalate
Concen: 5.496 ng
RT: 13.445 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



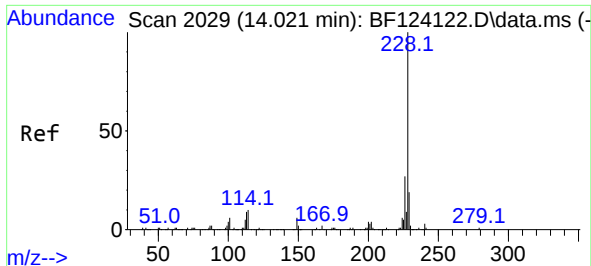
Tgt Ion:149 Resp: 19594
Ion Ratio Lower Upper
149 100
91 73.5 63.6 95.4
206 14.7 14.5 21.7



Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)

Manual Integrations
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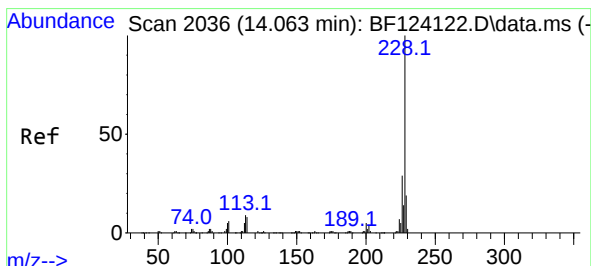
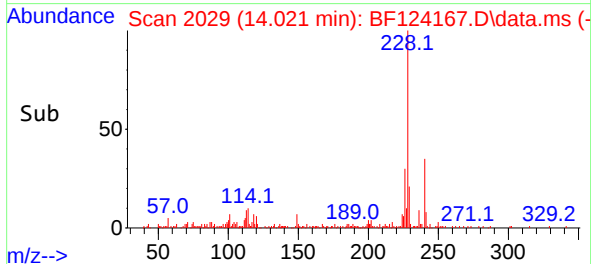
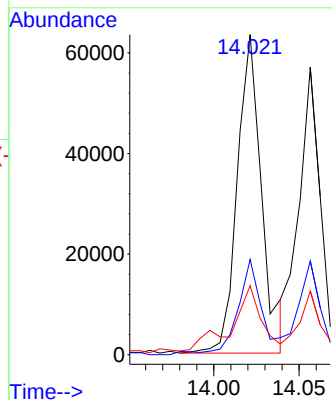
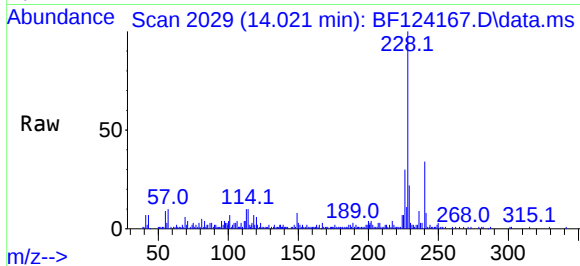
#81
Benzo(a)anthracene
Concen: 9.439 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Tgt Ion:228 Resp: 62940
Ion Ratio Lower Upper
228 100
226 29.7 22.4 33.6
229 21.6 16.0 24.0

Instrument :
BNA_F
ClientSampled :
18-B11(2-4)

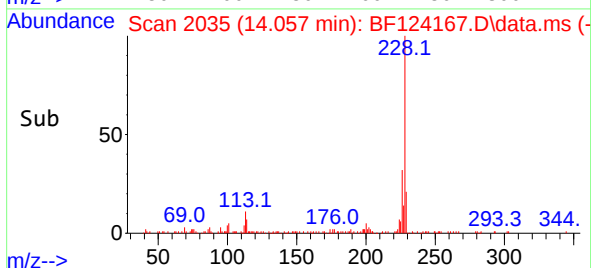
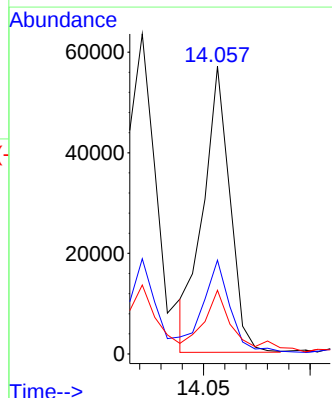
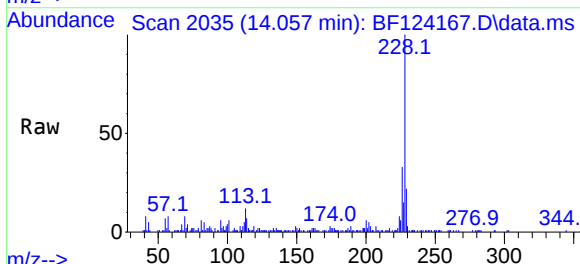
Manual Integrations
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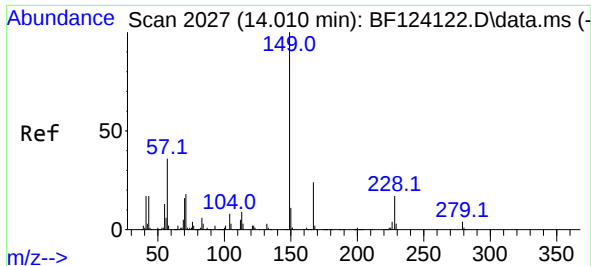
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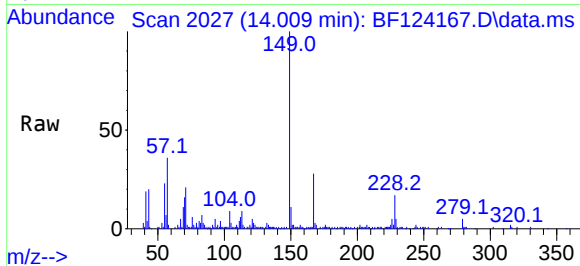
#83
Chrysene
Concen: 7.726 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Tgt Ion:228 Resp: 49701
Ion Ratio Lower Upper
228 100
226 32.6 24.3 36.5
229 22.1 16.2 24.2

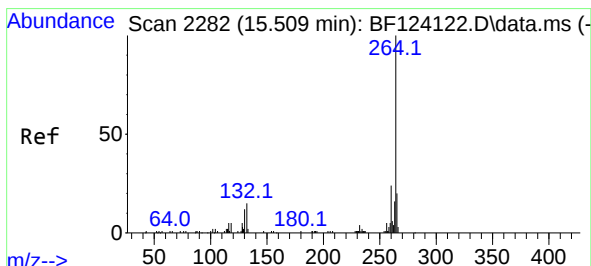
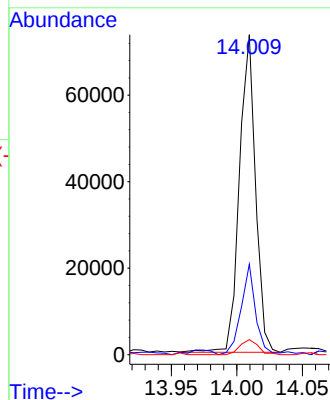
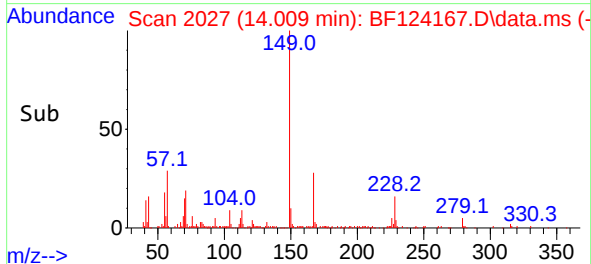




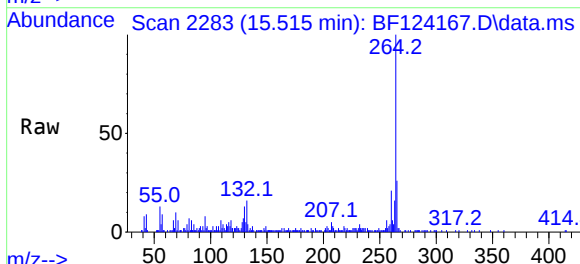
#84
Bis(2-ethylhexyl)phthalate
Concen: 14.849 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



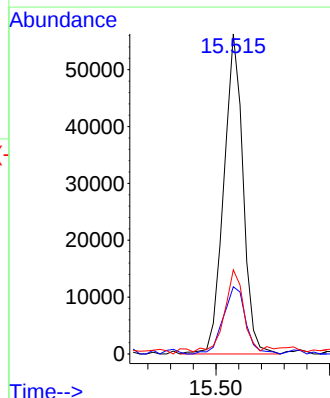
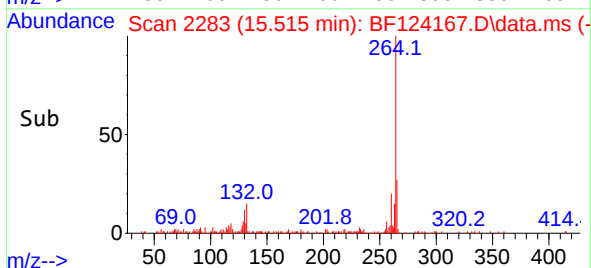
Tgt Ion:149 Resp: 62977
Ion Ratio Lower Upper
149 100
167 28.3 21.8 32.6
279 4.7 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



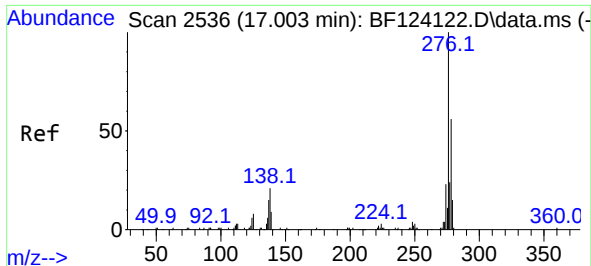
Tgt Ion:264 Resp: 66503
Ion Ratio Lower Upper
264 100
260 21.0 18.7 28.1
265 26.3 17.8 26.8



Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)

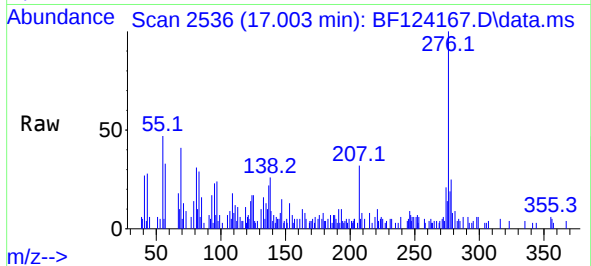
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#87
Indeno(1,2,3-cd)pyrene
Concen: 7.389 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

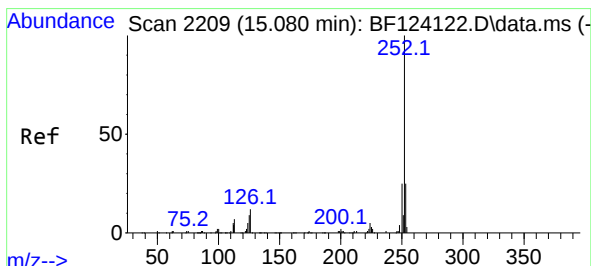
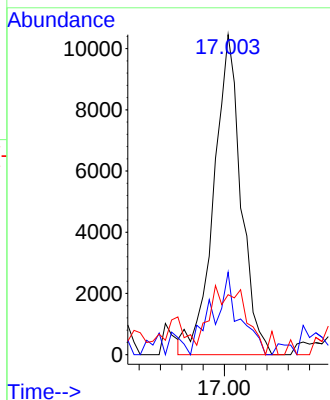
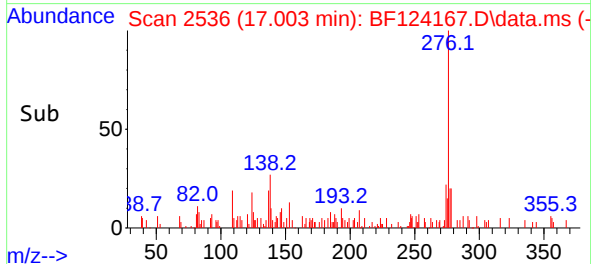
Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)



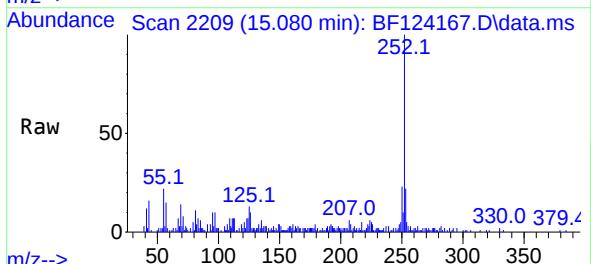
Tgt Ion:276 Resp: 18583
Ion Ratio Lower Upper
276 100
138 25.2 16.2 24.2#
277 27.5 20.1 30.1

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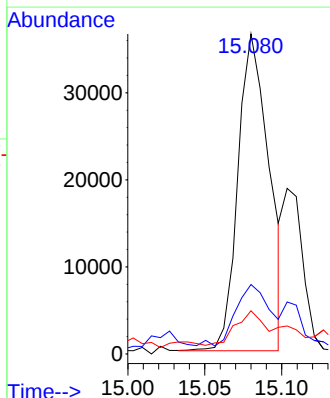
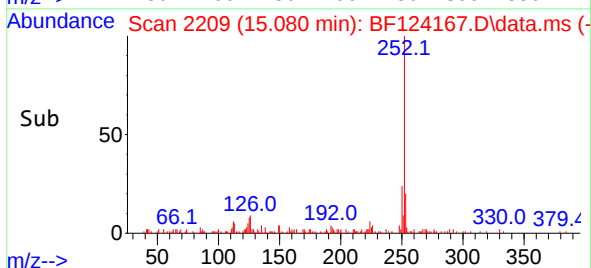
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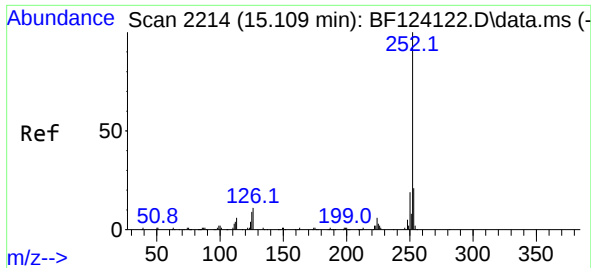


#88
Benzo(b)fluoranthene
Concen: 9.893 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54



Tgt Ion:252 Resp: 51107
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 13.5 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.483 ng m

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF124167.D

Acq: 7 Jun 2021 20:54

Tgt Ion:	252	Resp:	17036
Ion Ratio	Lower	Upper	
252	100		
253	31.4	17.9	26.9#
125	16.9	7.0	10.6#

Instrument :

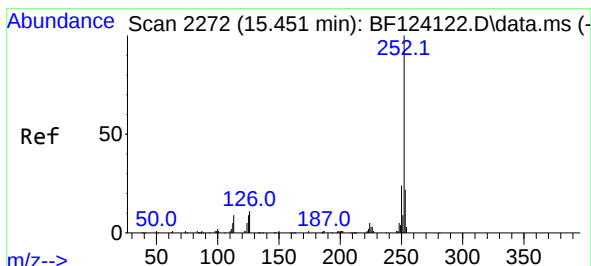
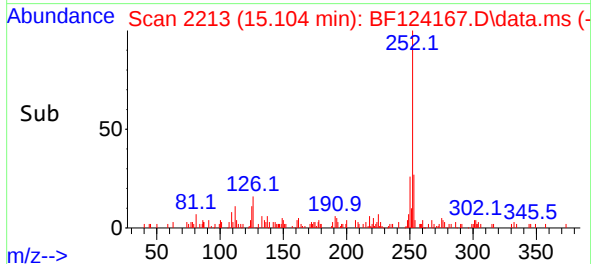
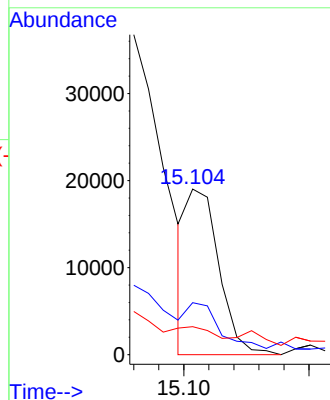
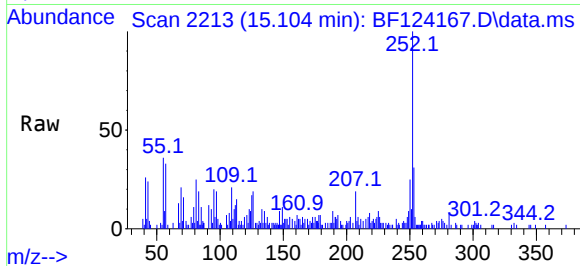
BNA_F

ClientSampleId :

18-B11(2-4)

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#90

Benzo(a)pyrene

Concen: 7.551 ng

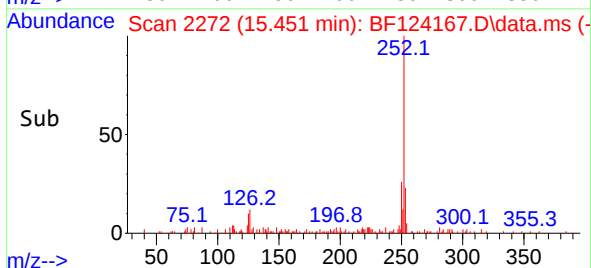
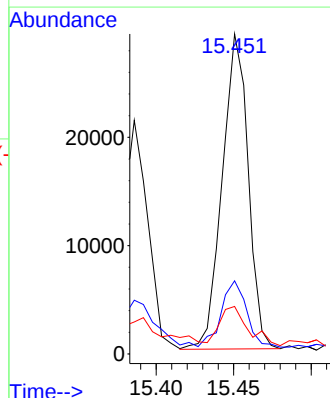
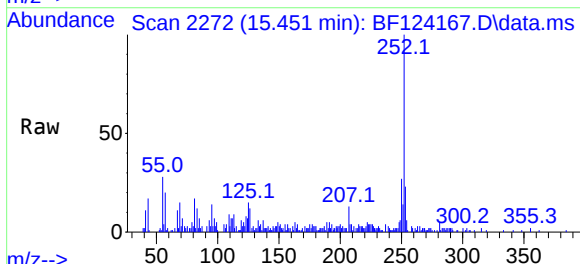
RT: 15.451 min Scan# 2272

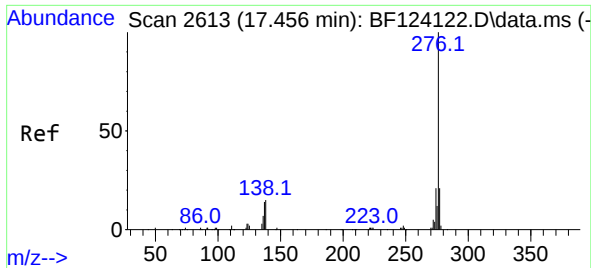
Delta R.T. -0.000 min

Lab File: BF124167.D

Acq: 7 Jun 2021 20:54

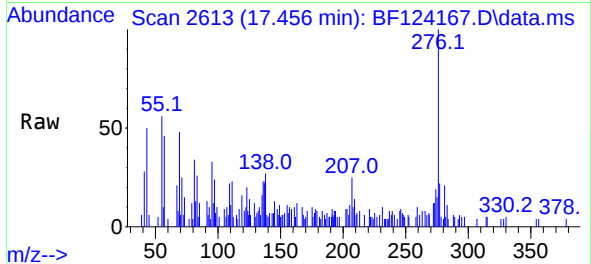
Tgt Ion:	252	Resp:	33881
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.4	27.6
125	14.9	8.0	12.0#





#92
Benzo(g,h,i)perylene
Concen: 7.285 ng
RT: 17.456 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF124167.D
Acq: 7 Jun 2021 20:54

Instrument :
BNA_F
ClientSampleId :
18-B11(2-4)



Tgt Ion:	276	Resp:	17608
Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.2	27.2
138	27.4	13.8	20.6#

Manual Integrations
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