

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124248.D
 Acq On : 10 Jun 2021 23:37
 Operator : JU/CG
 Sample : M2612-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(10-14)

Manual Integrations
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6/11/2021 2:11:02 PM

Quant Time: Jun 11 01:26:53 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	33317	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	127611	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	72198	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	112309	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	86168	20.000	ng	0.00
86) Perylene-d12	15.504	264	81833	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	226013	102.118	ng	0.00
7) Phenol-d6	6.492	99	280340	94.233	ng	0.00
23) Nitrobenzene-d5	7.410	82	220309	68.472	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	88031	86.063	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	361996	63.094	ng	0.00
79) Terphenyl-d14	12.957	244	259671	41.375	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	37178	5.156	ng	99
50) Dimethylphthalate	9.598	163	83213	13.931	ng	100
52) Acenaphthene	9.916	154	14606	3.101	ng	93
58) Fluorene	10.433	166	27711	4.898	ng	# 99
71) Phenanthrene	11.398	178	319093	45.482	ng	98
72) Anthracene	11.451	178	103040	14.583	ng	96
73) Carbazole	11.604	167	16747	2.720	ng	# 91
75) Fluoranthene	12.598	202	677497	91.998	ng	99
78) Pyrene	12.827	202	524113	63.342	ng	98
81) Benzo(a)anthracene	14.015	228	351556	56.005	ng	99
83) Chrysene	14.051	228	292323	48.267	ng	95
84) Bis(2-ethylhexyl)phtha...	13.992	149	22118	5.539	ng	95
87) Indeno(1,2,3-cd)pyrene	16.992	276	98864	17.540	ng	98
88) Benzo(b)fluoranthene	15.074	252	401469m	63.155	ng	
89) Benzo(k)fluoranthene	15.098	252	112854m	18.753	ng	
90) Benzo(a)pyrene	15.445	252	253419	45.898	ng	99
91) Dibenzo(a,h)anthracene	16.992	278	27294m	8.462	ng	
92) Benzo(g,h,i)perylene	17.439	276	77424	16.234	ng	97

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

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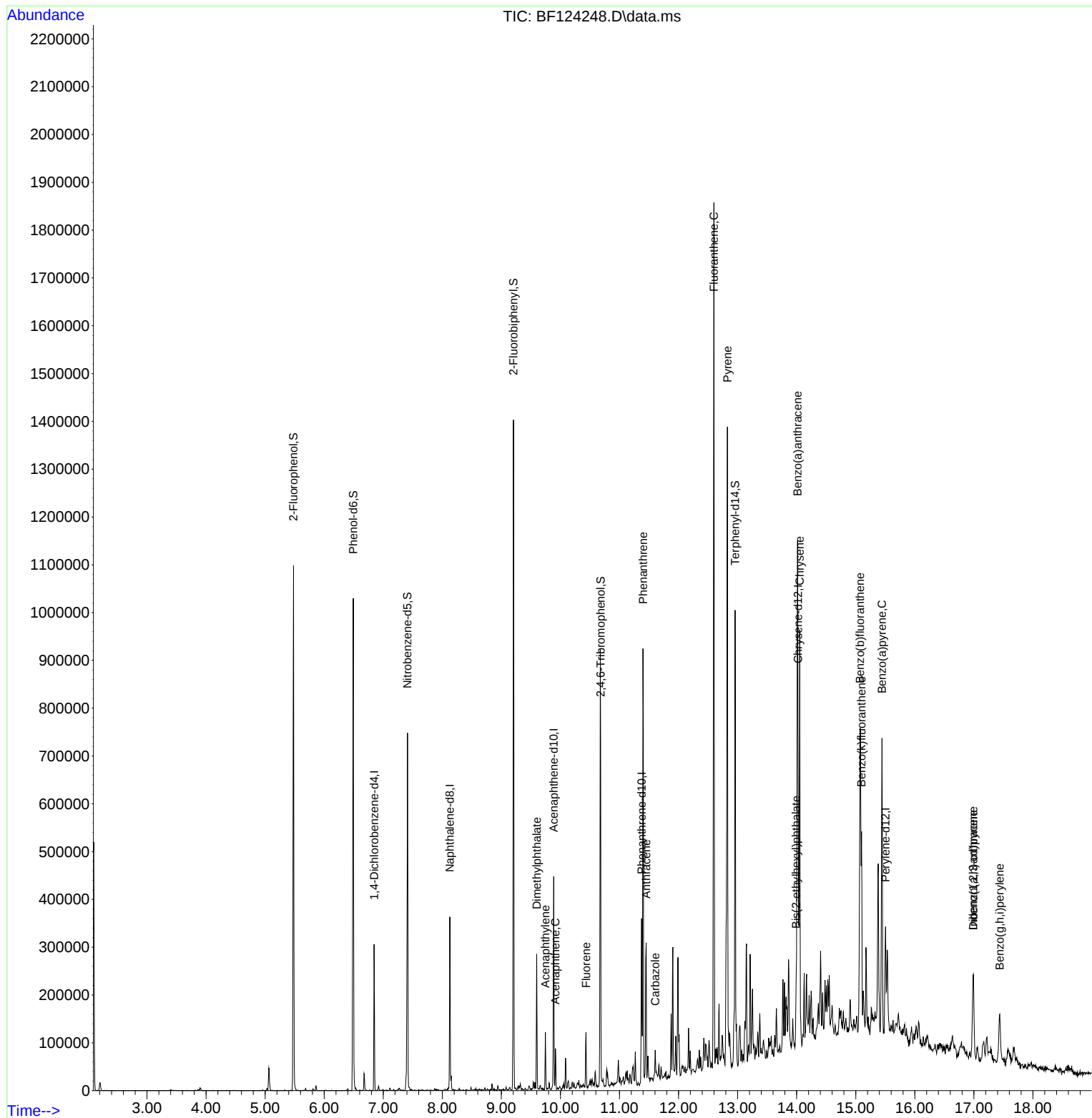
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

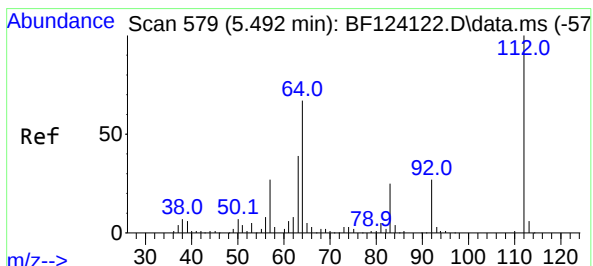
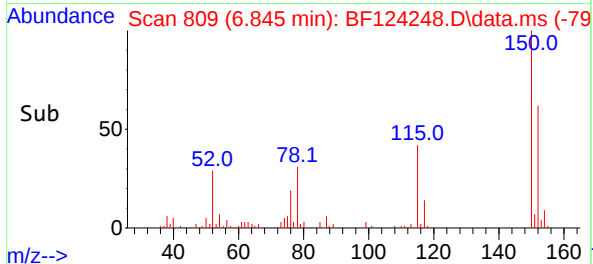
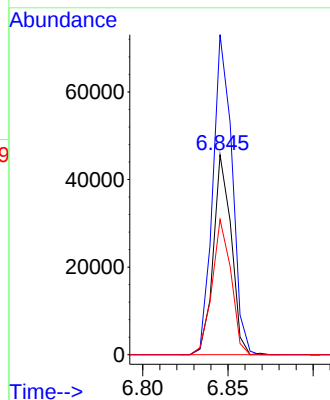
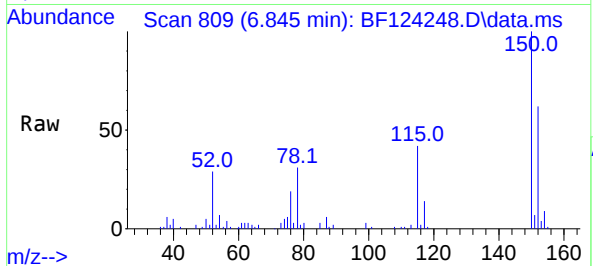
Tgt Ion:152 Resp: 33317
Ion Ratio Lower Upper
152 100
150 160.2 127.0 190.6
115 67.7 54.3 81.5

Instrument :
BNA_F
ClientSampled :
18-B12(10-14)

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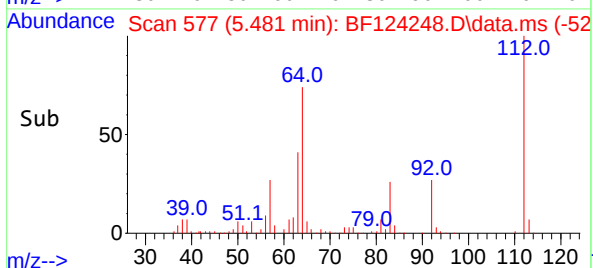
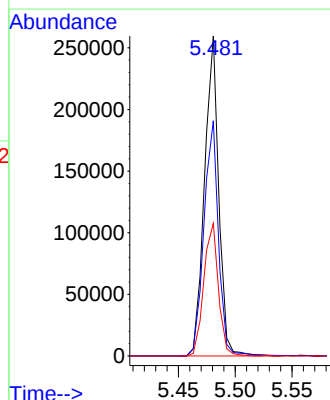
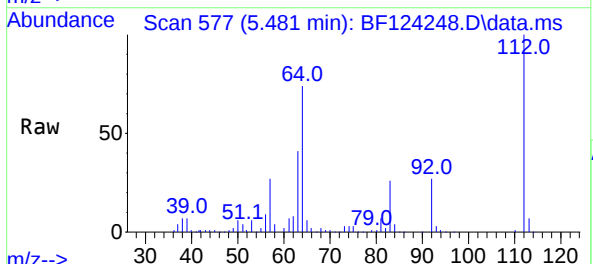
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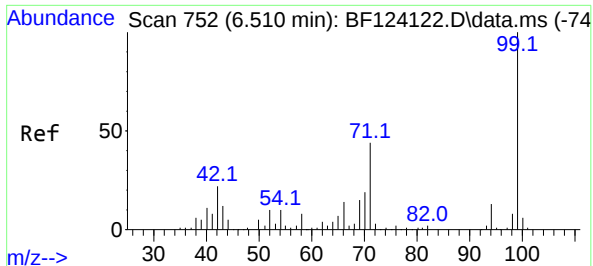
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#5
2-Fluorophenol
Concen: 102.118 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:112 Resp: 226013
Ion Ratio Lower Upper
112 100
64 73.5 61.4 92.0
63 41.5 33.0 49.4





#7
Phenol-d6
Concen: 94.233 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

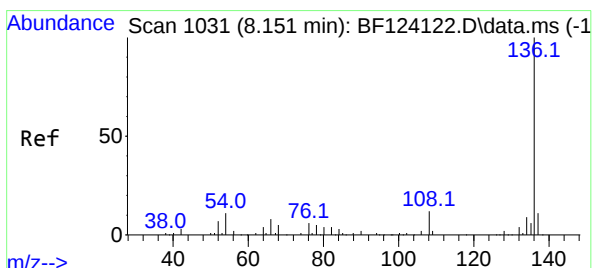
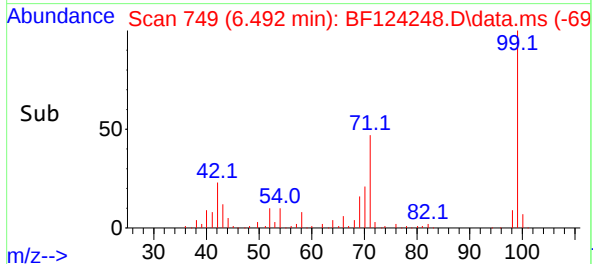
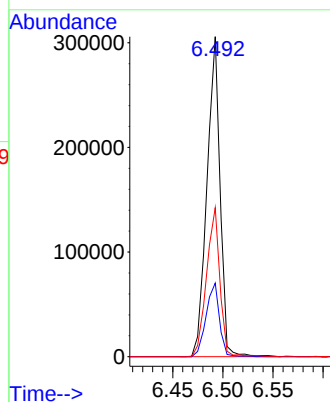
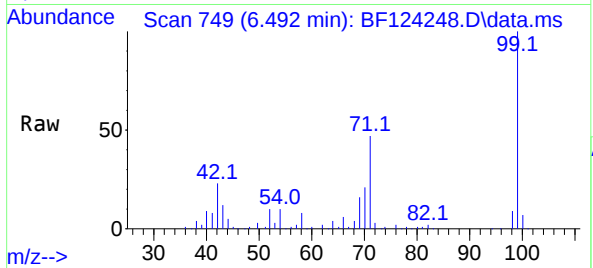
Tgt Ion: 99 Resp: 280340
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.8
71 46.6 31.1 46.7

Instrument :
BNA_F
ClientSampled :
18-B12(10-14)

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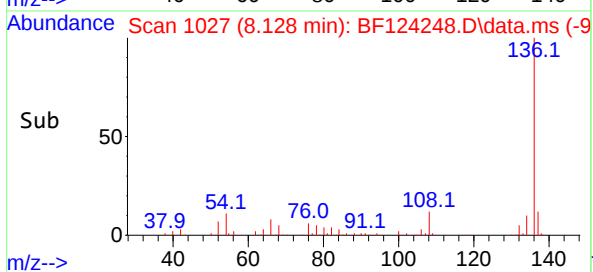
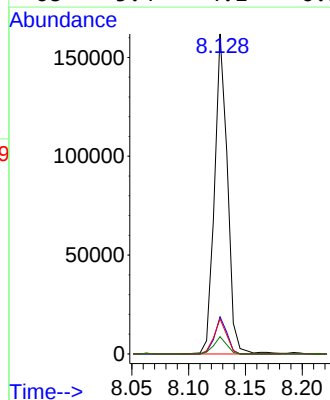
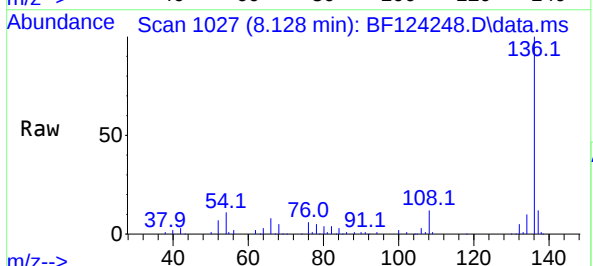
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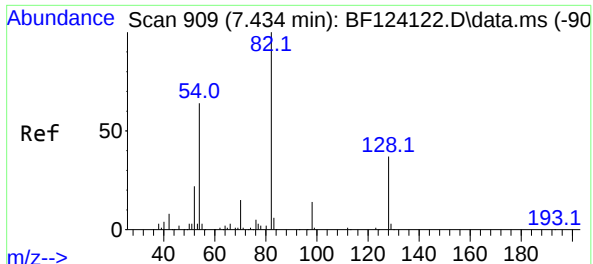
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

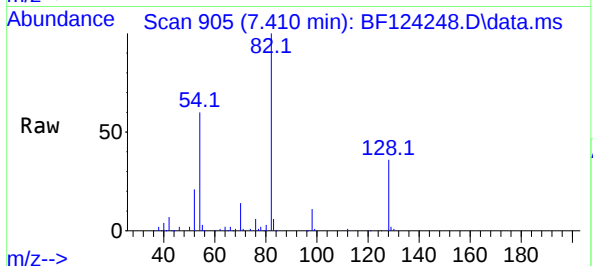
Tgt Ion: 136 Resp: 127611
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 10.9 9.8 14.6
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 68.472 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

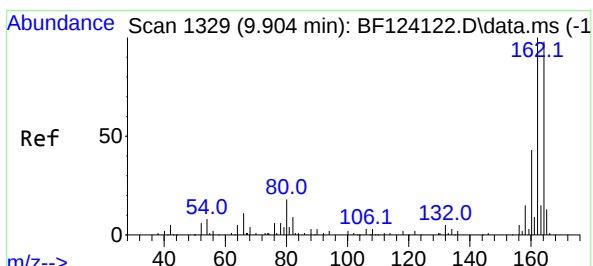
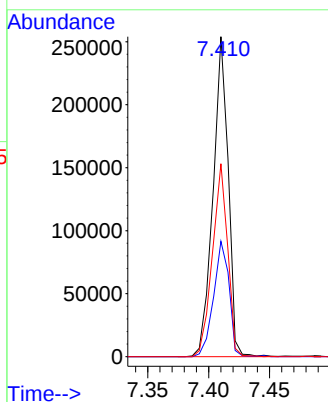
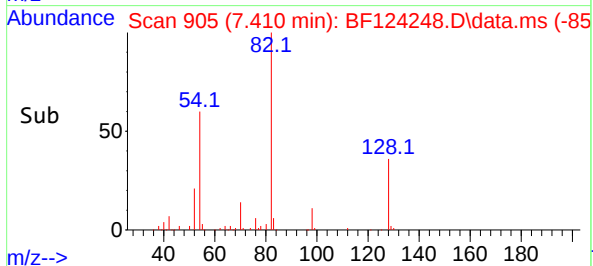


Tgt Ion: 82 Resp: 220309
Ion Ratio Lower Upper
82 100
128 36.0 29.4 44.2
54 60.3 54.1 81.1

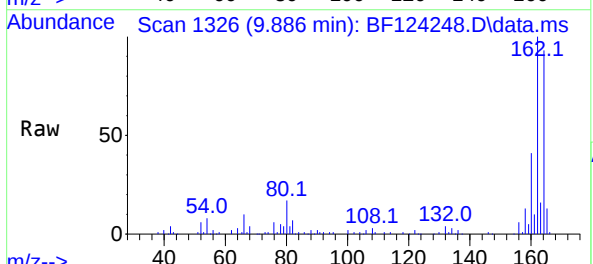
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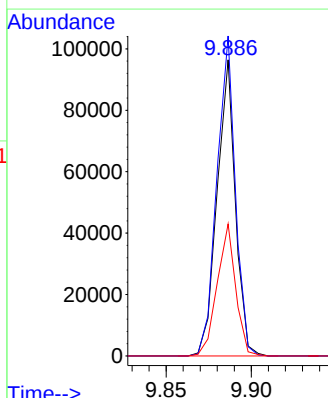
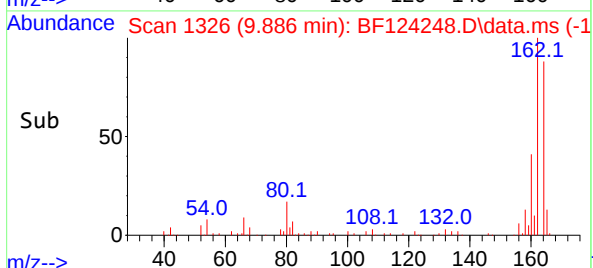
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



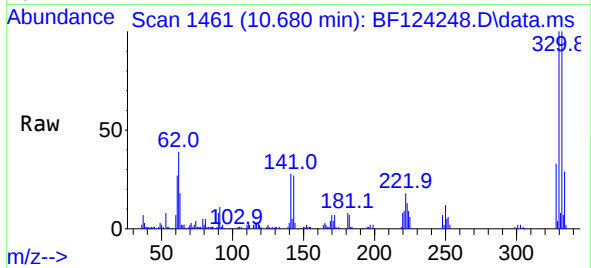
Tgt Ion: 164 Resp: 72198
Ion Ratio Lower Upper
164 100
162 108.1 80.7 121.1
160 44.6 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 86.063 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Instrument :
BNA_F
ClientSampled :
18-B12(10-14)

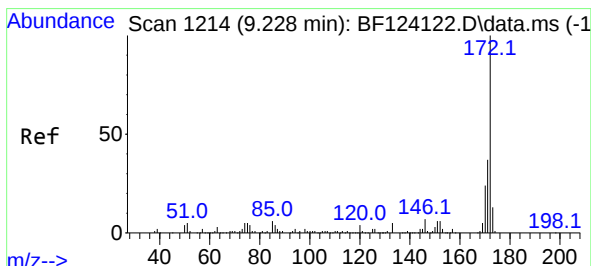
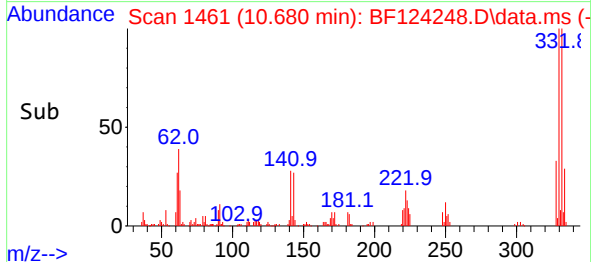
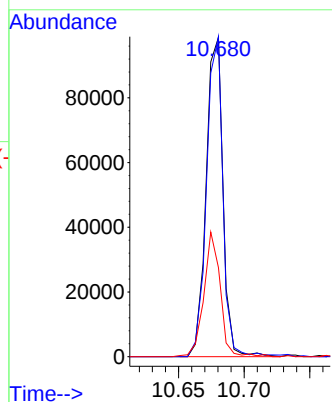


Tgt Ion: 330 Resp: 88031
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 38.2 27.9 41.9

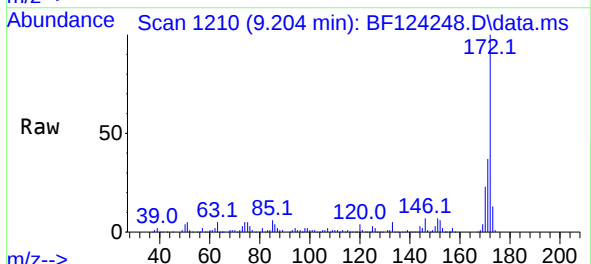
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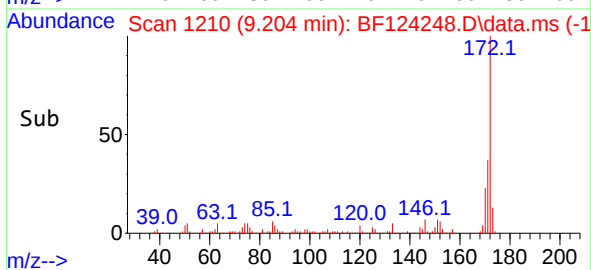
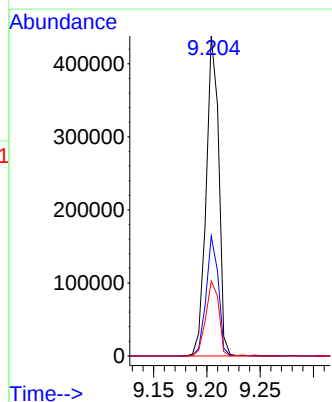
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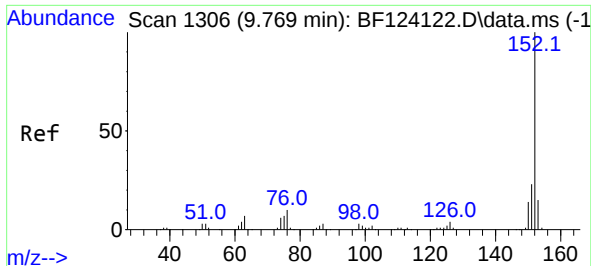


#45
2-Fluorobiphenyl
Concen: 63.094 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



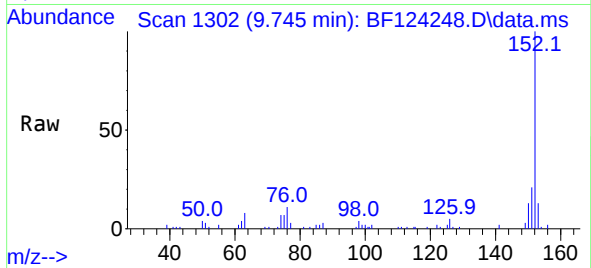
Tgt Ion: 172 Resp: 361996
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 23.4 19.2 28.8





#49
Acenaphthylene
Concen: 5.156 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Instrument :
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ClientSampleId :
18-B12(10-14)

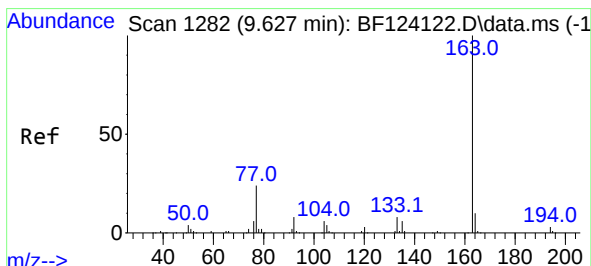
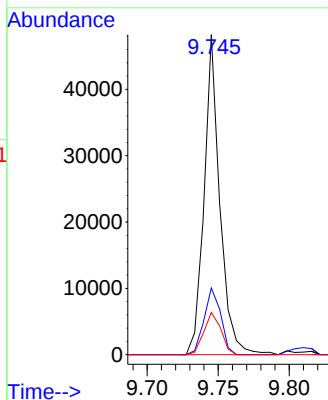
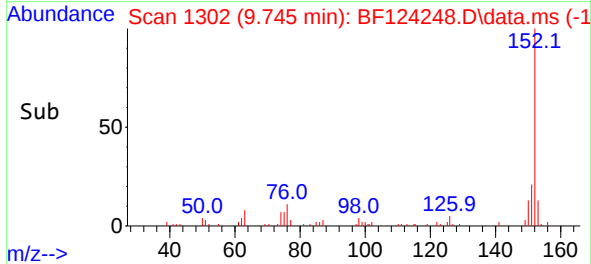


Tgt Ion:152 Resp: 37178
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 13.2 10.4 15.6

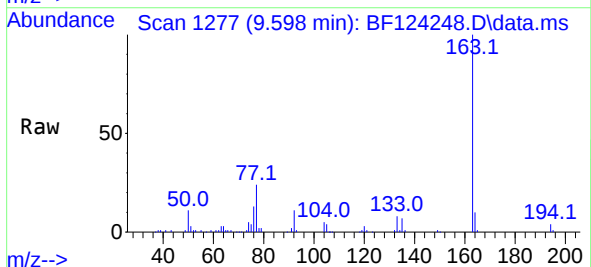
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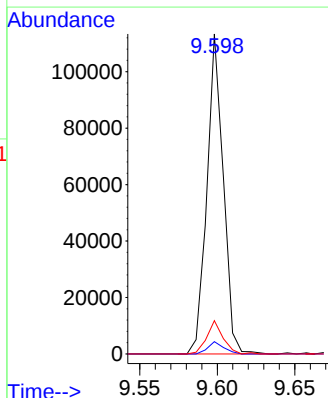
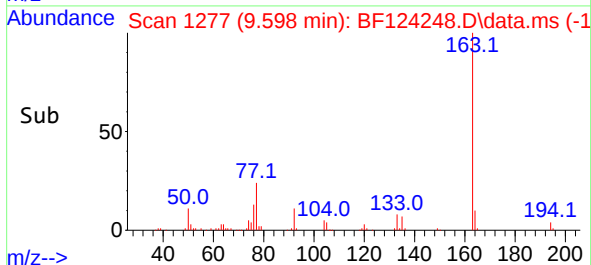
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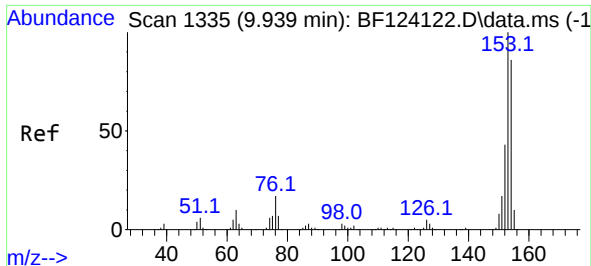


#50
Dimethylphthalate
Concen: 13.931 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

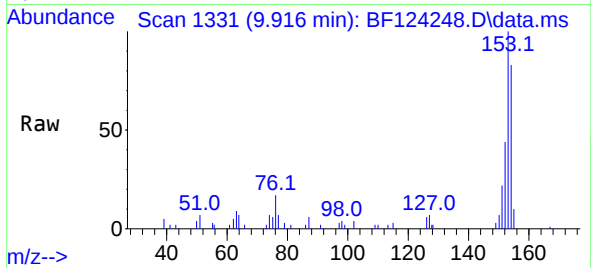


Tgt Ion:163 Resp: 83213
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.4 8.2 12.2

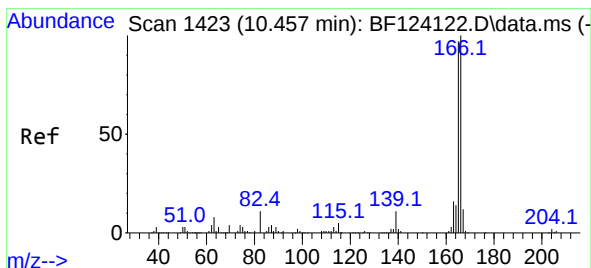
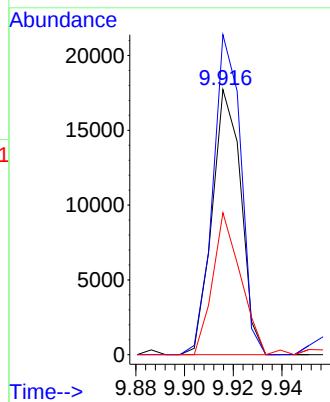
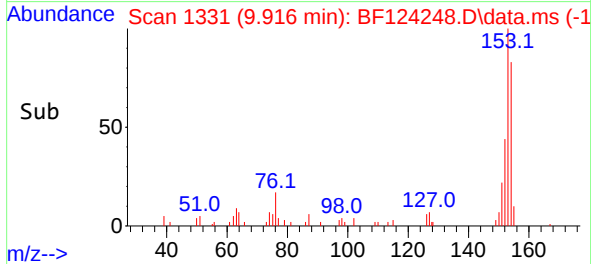




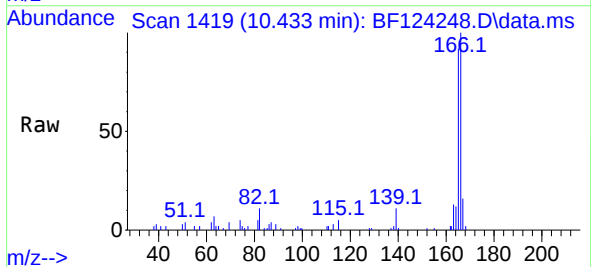
#52
Acenaphthene
Concen: 3.101 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



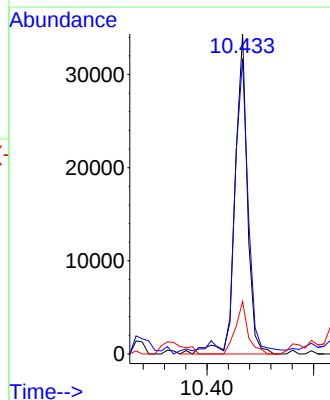
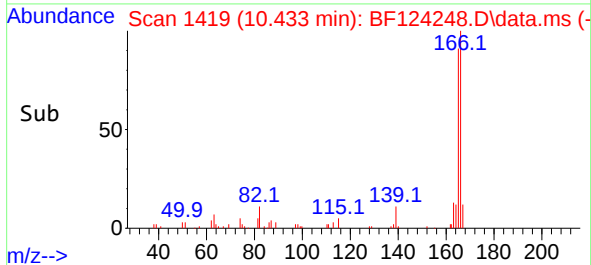
Tgt Ion:154 Resp: 14606
Ion Ratio Lower Upper
154 100
153 120.7 88.1 132.1
152 53.5 43.4 65.0



#58
Fluorene
Concen: 4.898 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



Tgt Ion:166 Resp: 27711
Ion Ratio Lower Upper
166 100
165 92.2 73.5 110.3
167 16.5 10.7 16.1#

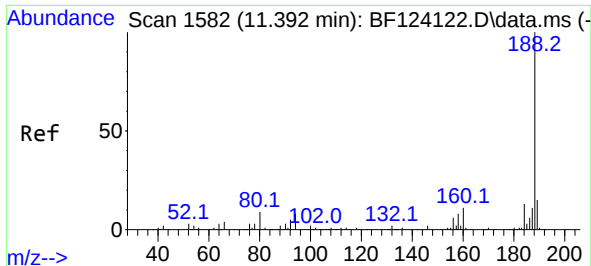


Instrument :
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18-B12(10-14)

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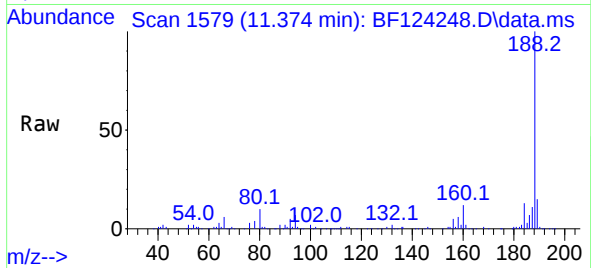
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

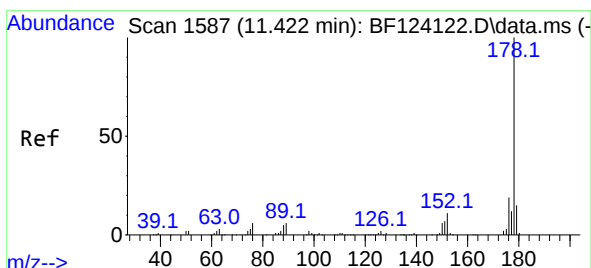
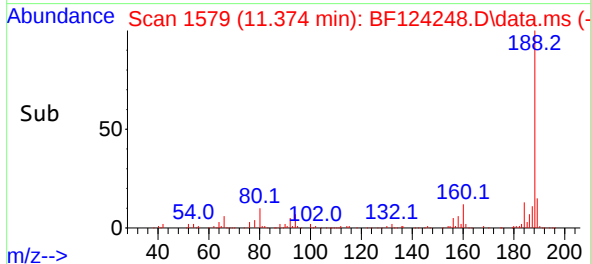
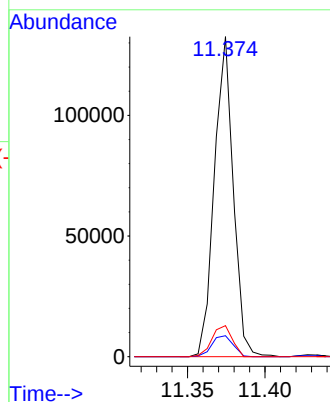


Tgt Ion:188 Resp: 112309
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 9.7 8.2 12.2

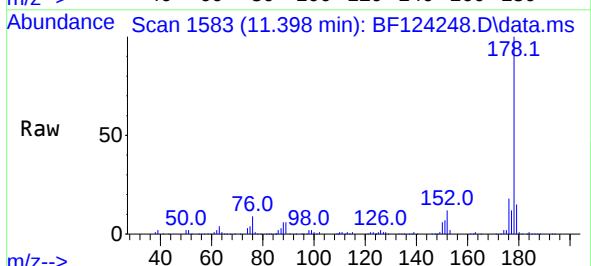
Manual Integrations
APPROVED

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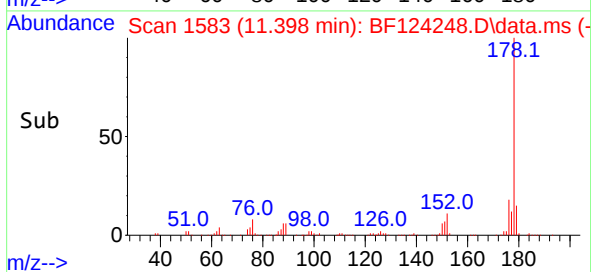
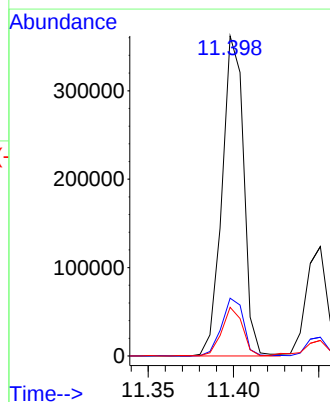
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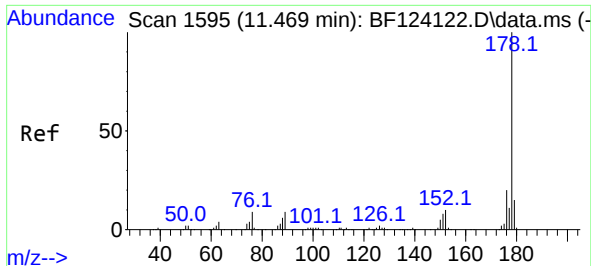


#71
Phenanthrene
Concen: 45.482 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



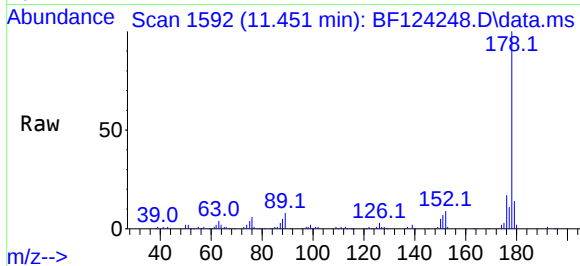
Tgt Ion:178 Resp: 319093
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 14.583 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(10-14)

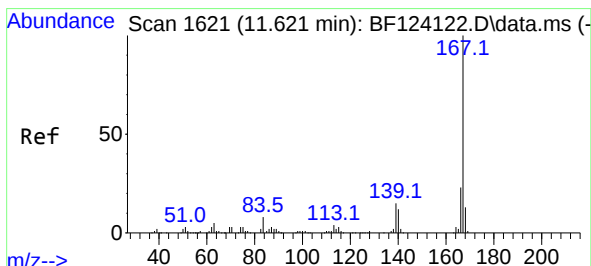
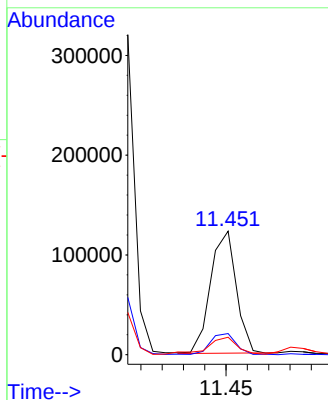
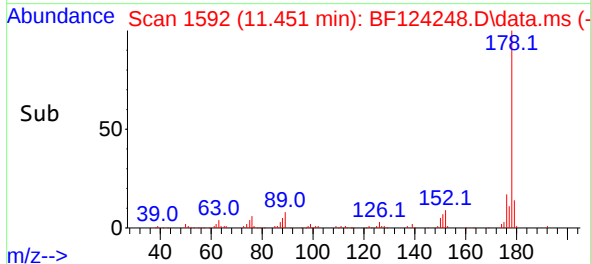


Tgt Ion:178 Resp: 103040
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.0
 179 14.1 12.6 18.8

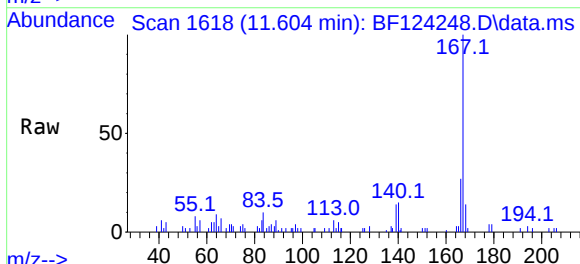
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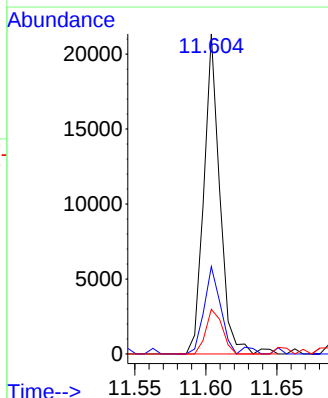
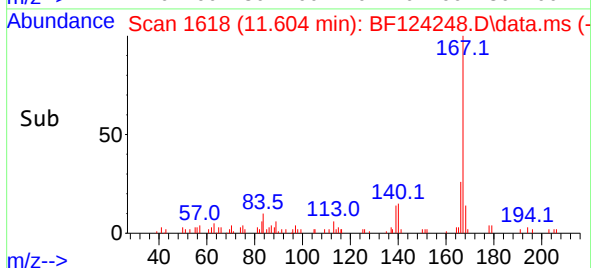
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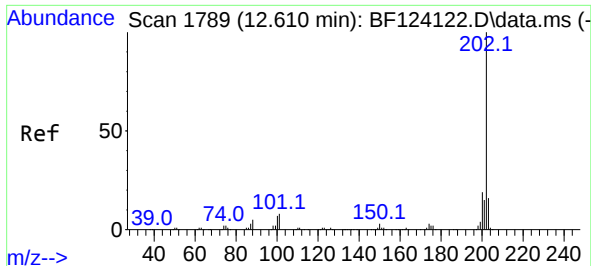


#73
 Carbazole
 Concen: 2.720 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37



Tgt Ion:167 Resp: 16747
 Ion Ratio Lower Upper
 167 100
 166 27.3 17.0 25.6#
 139 13.9 10.4 15.6





#75
Fluoranthene
Concen: 91.998 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

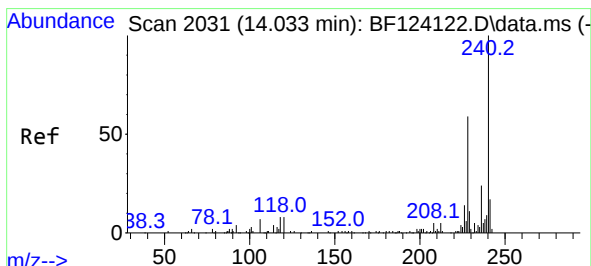
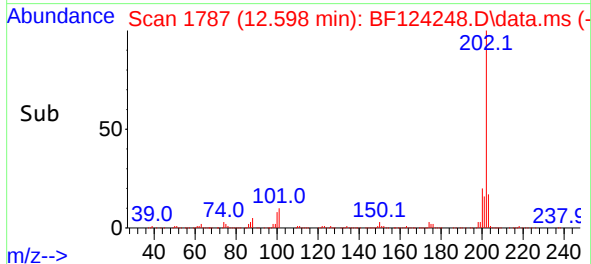
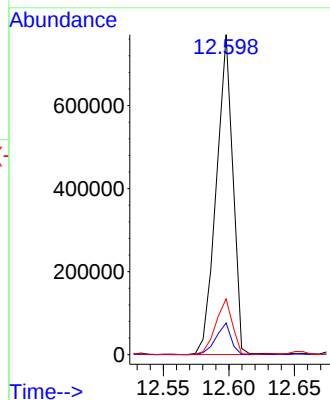
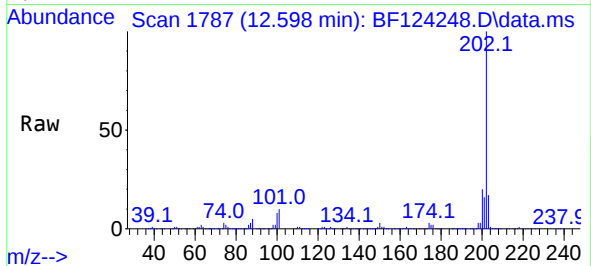
Tgt Ion:202 Resp: 677497
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 17.4 0.0 37.5

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

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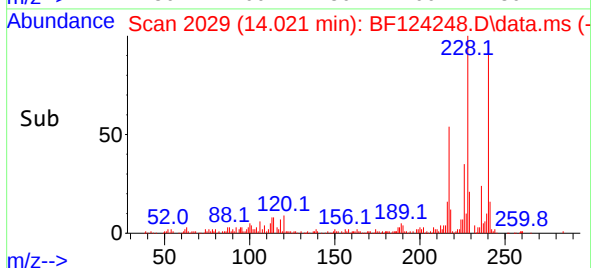
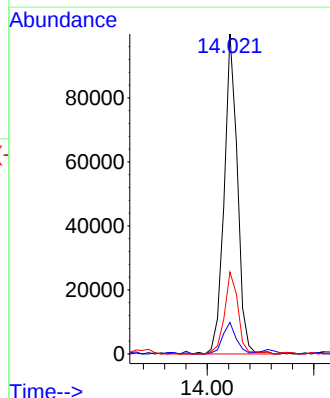
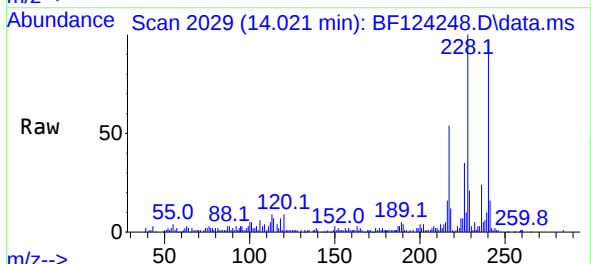
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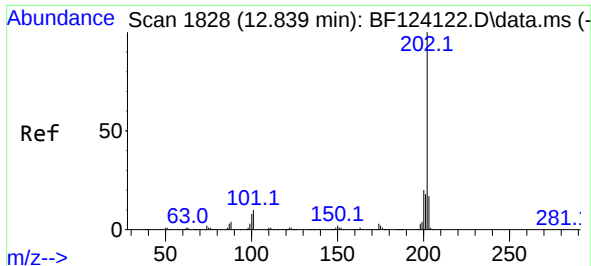
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:240 Resp: 86168
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 25.6 19.0 28.4





#78
 Pyrene
 Concen: 63.342 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. 0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37

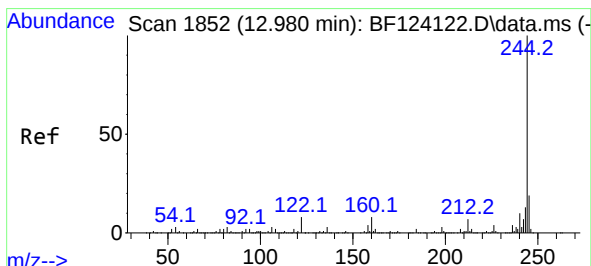
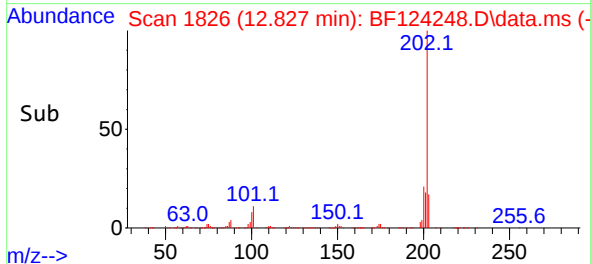
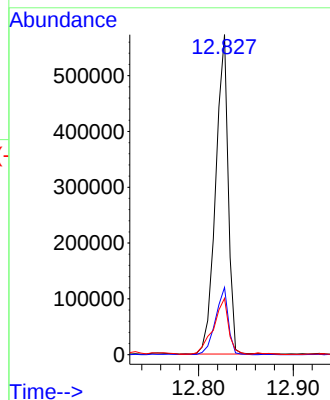
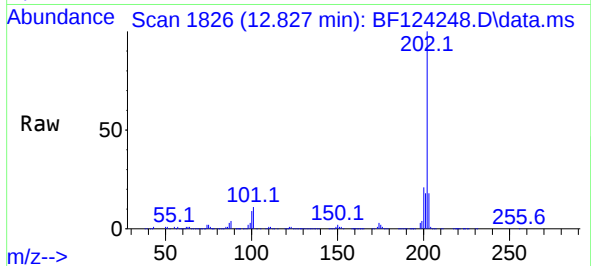
Tgt Ion:	202	Resp:	524113
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.1	24.1
203	17.6	14.8	22.2

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(10-14)

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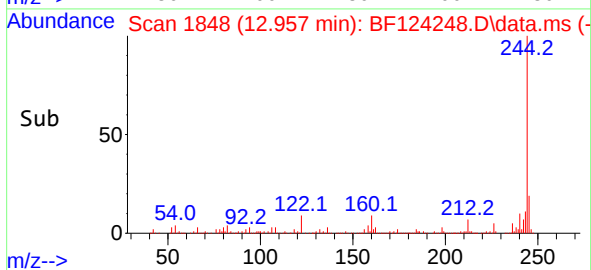
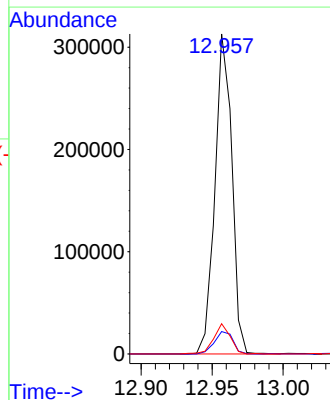
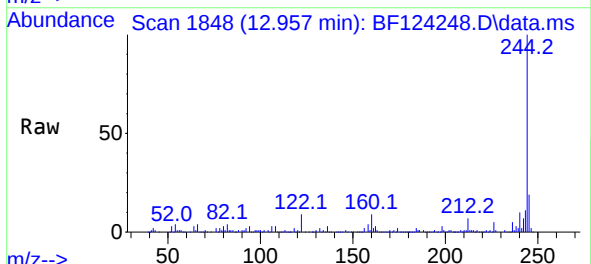
mohammad

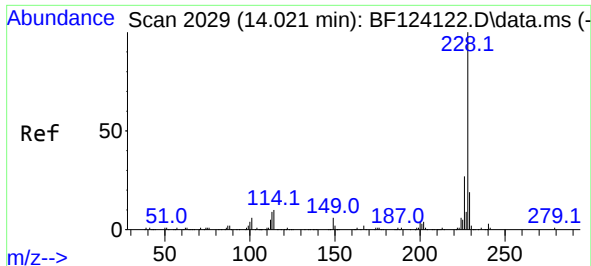
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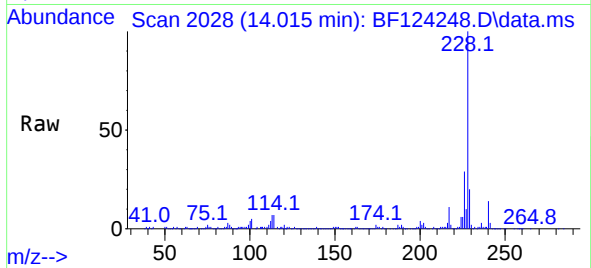
#79
 Terphenyl-d14
 Concen: 41.375 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37

Tgt Ion:	244	Resp:	259671
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	9.5	9.7	14.5#

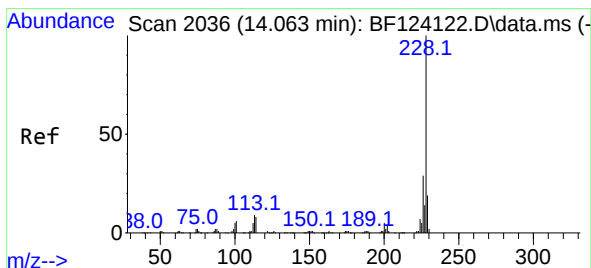
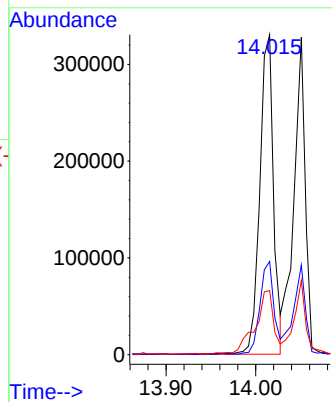
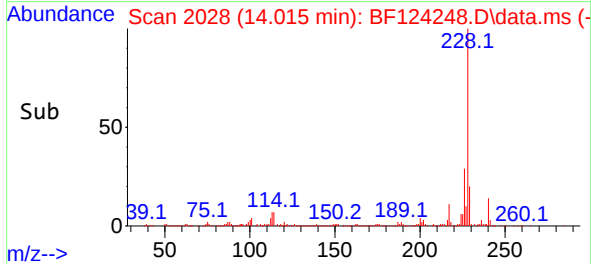




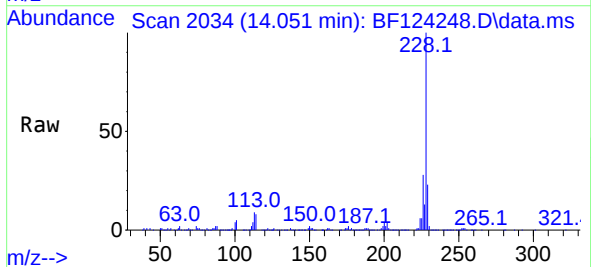
#81
Benzo(a)anthracene
Concen: 56.005 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



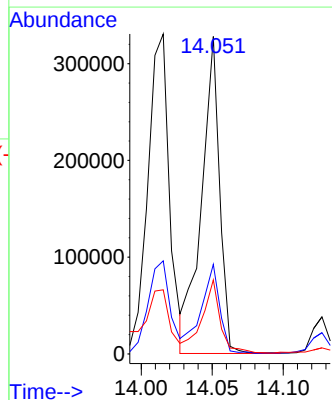
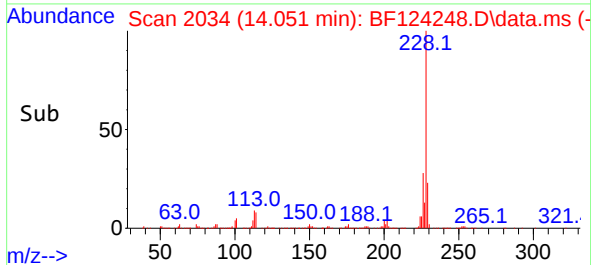
Tgt Ion:228 Resp: 351556
Ion Ratio Lower Upper
228 100
226 29.1 22.4 33.6
229 20.0 16.0 24.0



#83
Chrysene
Concen: 48.267 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37



Tgt Ion:228 Resp: 292323
Ion Ratio Lower Upper
228 100
226 28.2 24.3 36.5
229 23.3 16.2 24.2

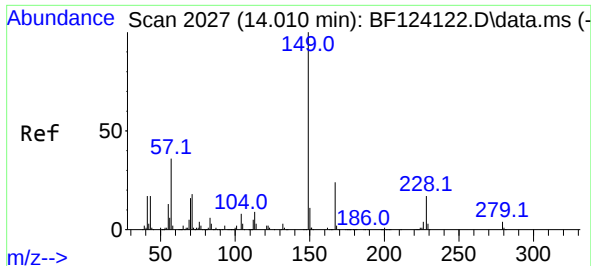


Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.539 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

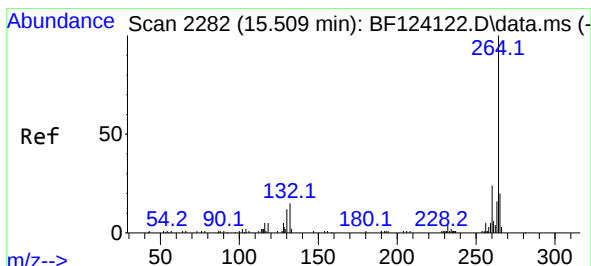
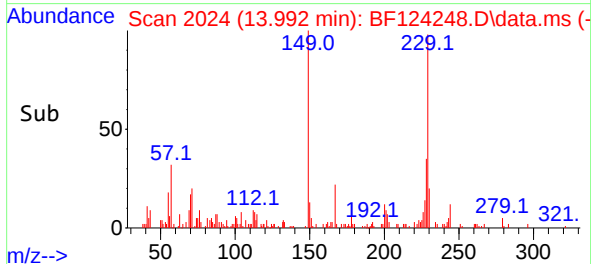
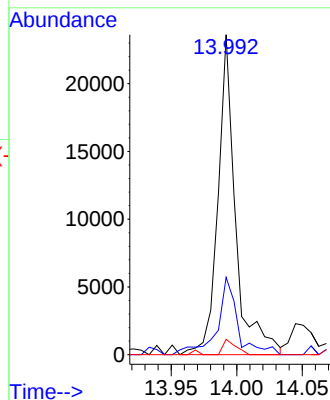
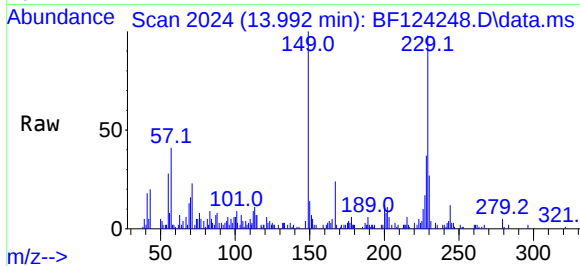
Tgt Ion:	149	Resp:	22118
Ion Ratio	Lower	Upper	
149	100		
167	24.1	21.8	32.6
279	4.8	3.3	4.9

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

Manual Integrations
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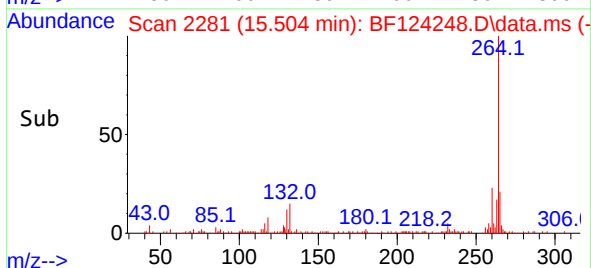
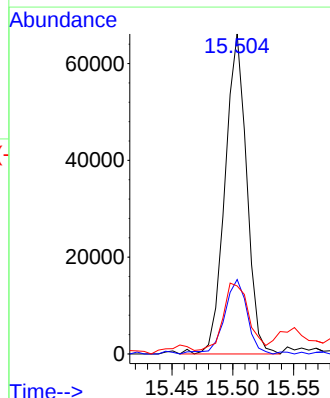
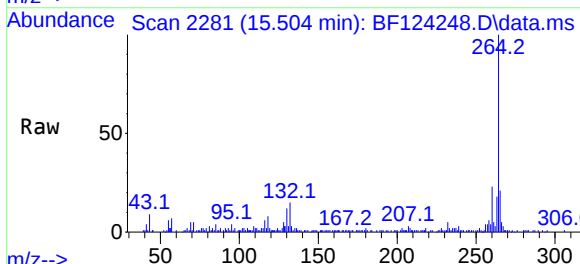
mohammad

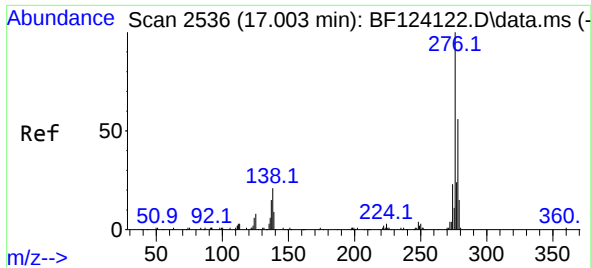
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:	264	Resp:	81833
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.7	28.1
265	21.3	17.8	26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 17.540 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

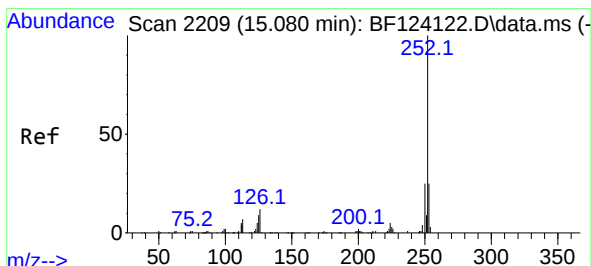
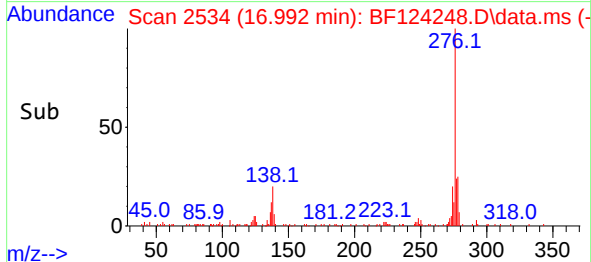
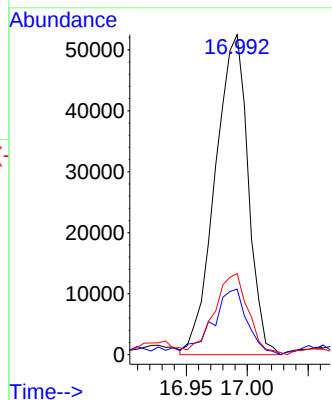
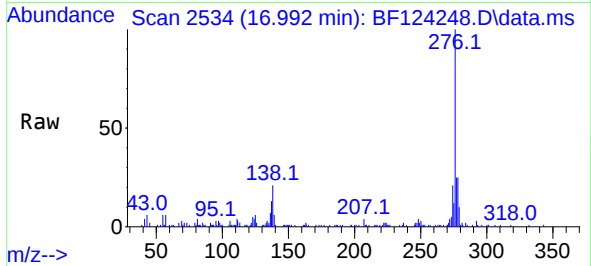
Tgt Ion:	276	Resp:	98864
Ion Ratio	Lower	Upper	
276	100		
138	21.5	16.2	24.2
277	26.2	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

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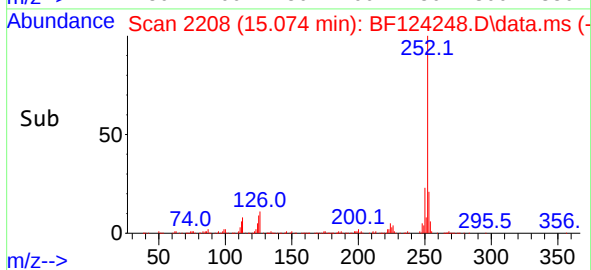
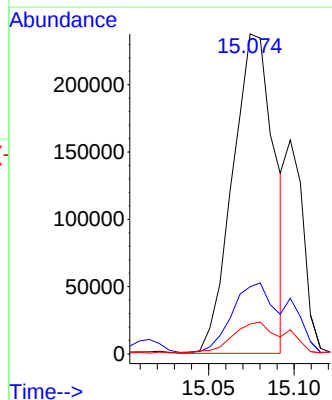
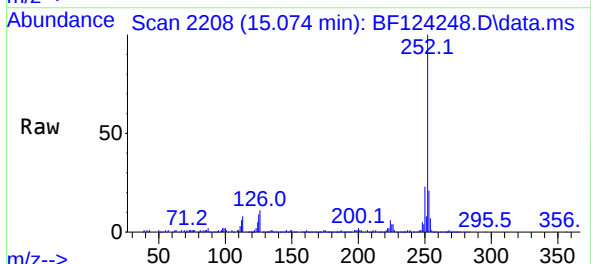
mohammad

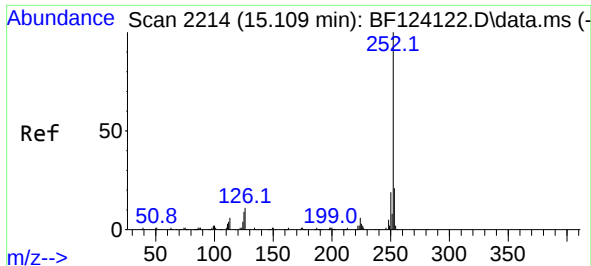
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#88
Benzo(b)fluoranthene
Concen: 63.155 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:	252	Resp:	401469
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.1	27.1
125	9.4	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 18.753 ng m

RT: 15.098 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

Tgt Ion:252 Resp: 112854

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

125 11.3 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

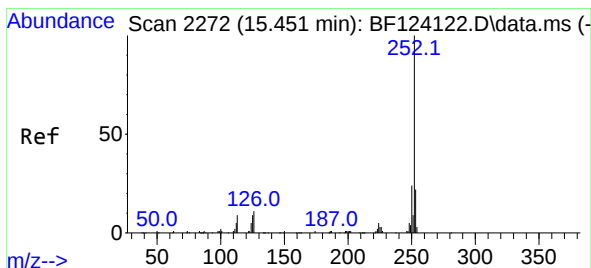
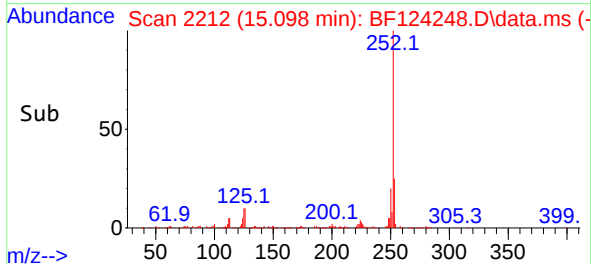
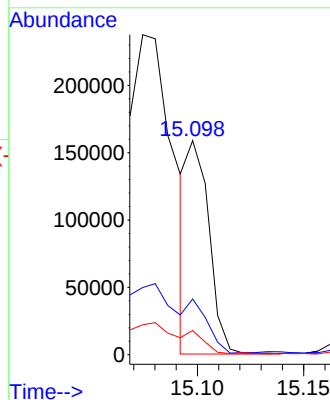
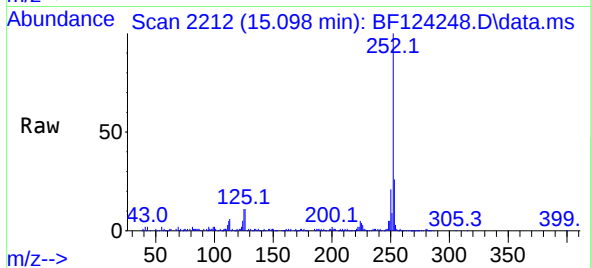
18-B12(10-14)

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#90

Benzo(a)pyrene

Concen: 45.898 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

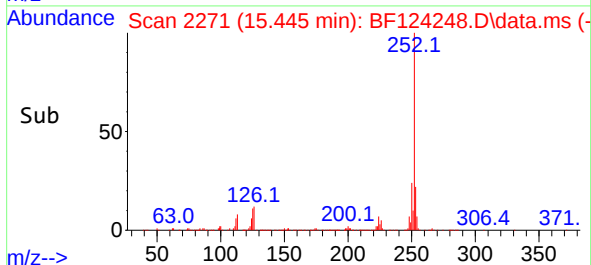
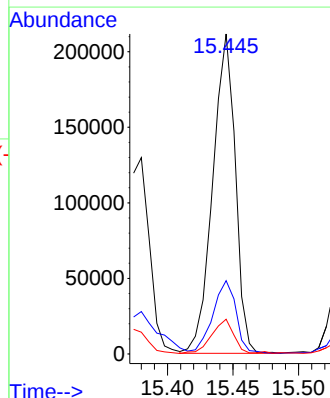
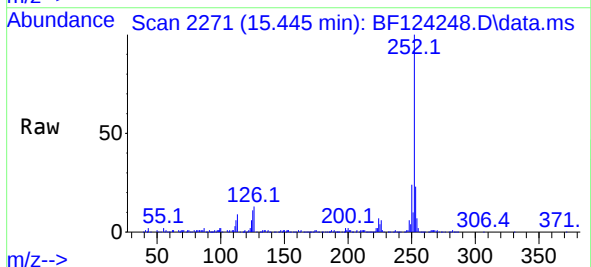
Tgt Ion:252 Resp: 253419

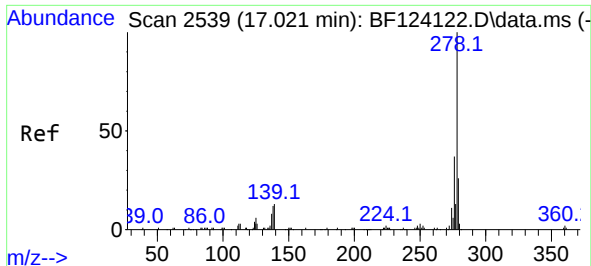
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 10.9 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 8.462 ng m
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

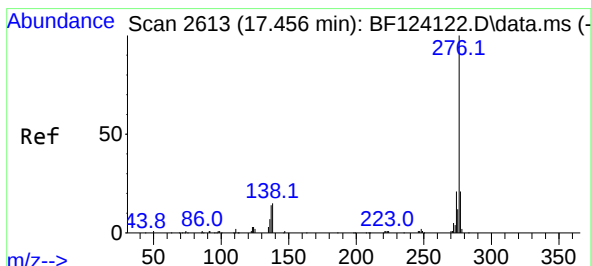
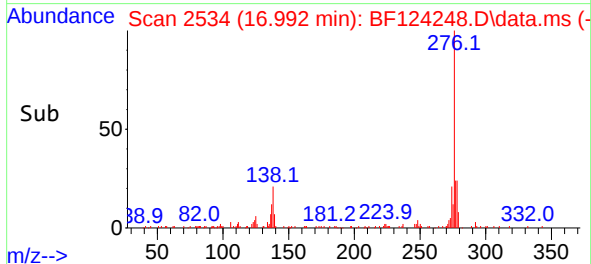
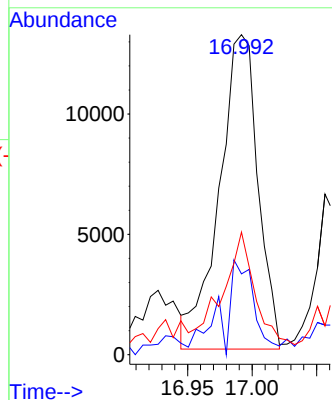
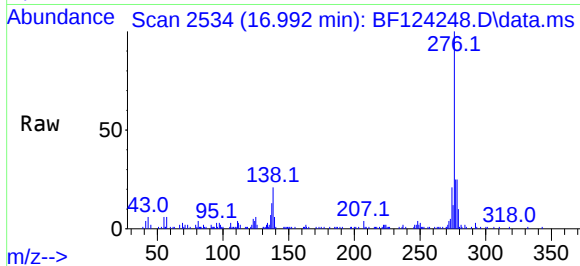
Tgt Ion: 278 Resp: 27294
Ion Ratio Lower Upper
278 100
139 25.3 10.2 15.2#
279 38.3 19.4 29.0#

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

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#92
Benzo(g,h,i)perylene
Concen: 16.234 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion: 276 Resp: 77424
Ion Ratio Lower Upper
276 100
277 23.3 18.2 27.2
138 19.0 13.8 20.6

