

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124530.D
 Acq On : 2 Jul 2021 21:42
 Operator : JU/CG
 Sample : M2913-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-D19

Manual Integrations
 APPROVED

Quant Time: Jul 03 01:46:04 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	31651	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	115743	20.00	ng	0.00
39) Acenaphthene-d10	9.704	164	60632	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	95209	20.00	ng	# 0.00
76) Chrysene-d12	13.845	240	71636	20.00	ng	0.00
86) Perylene-d12	15.280	264	50834	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	158339	78.68	ng	0.00
7) Phenol-d6	6.328	99	193968	73.81	ng	0.00
23) Nitrobenzene-d5	7.240	82	150229	53.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	49169	67.88	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	274784	55.52	ng	0.00
79) Terphenyl-d14	12.780	244	217776	45.53	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.569	152	85476	14.03	ng	98
58) Fluorene	10.257	166	12543	2.65	ng	# 84
69) Atrazine	10.904	200	2260	2.40	ng	88
71) Phenanthrene	11.222	178	163335	27.21	ng	99
72) Anthracene	11.269	178	57385	9.60	ng	96
73) Carbazole	11.433	167	15365	2.95	ng	96
75) Fluoranthene	12.416	202	256390	42.45	ng	95
78) Pyrene	12.645	202	339238	51.88	ng	98
81) Benzo(a)anthracene	13.839	228	124218	24.05	ng	94
83) Chrysene	13.874	228	153909	30.07	ng	98
84) Bis(2-ethylhexyl)phtha...	13.821	149	15716	4.52	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.686	276	35732	8.91	ng	# 78
88) Benzo(b)fluoranthene	14.880	252	105621m	27.42	ng	
89) Benzo(k)fluoranthene	14.898	252	38196m	10.84	ng	
90) Benzo(a)pyrene	15.227	252	66845	19.53	ng	# 95
91) Dibenzo(a,h)anthracene	16.674	278	13054	3.78	ng	# 53
92) Benzo(g,h,i)perylene	17.115	276	33923	9.98	ng	# 93

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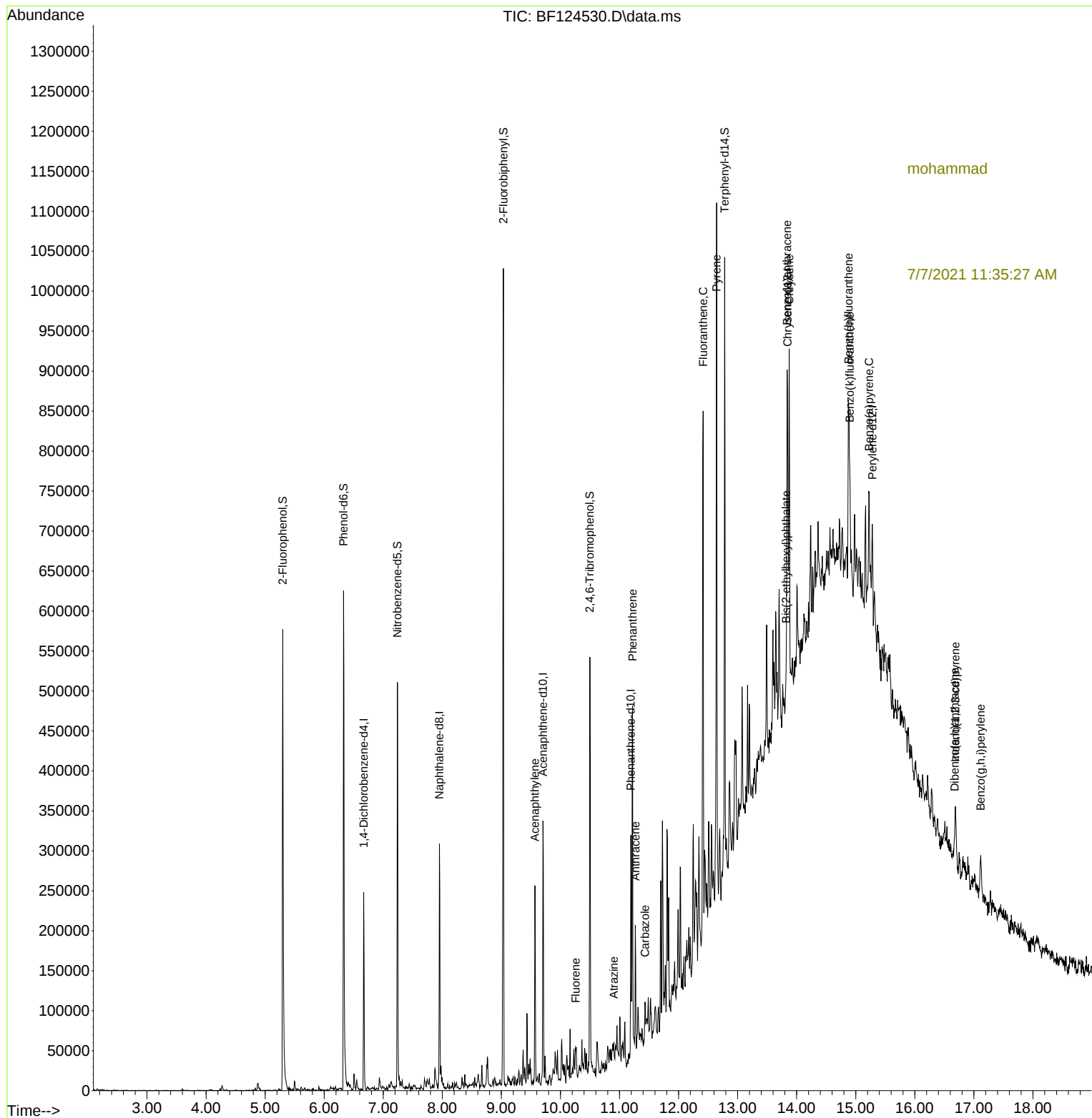
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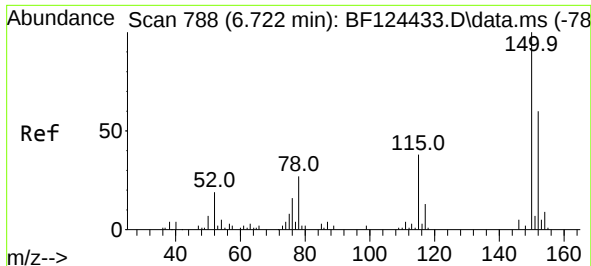
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QLast Update : Fri Jul 02 14:41:35 2021
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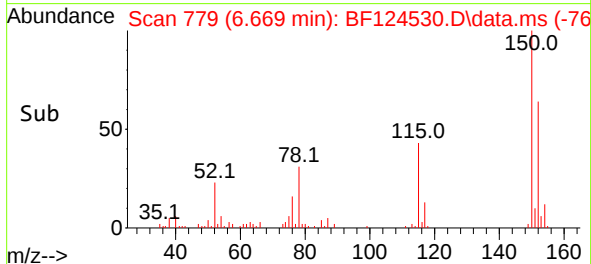
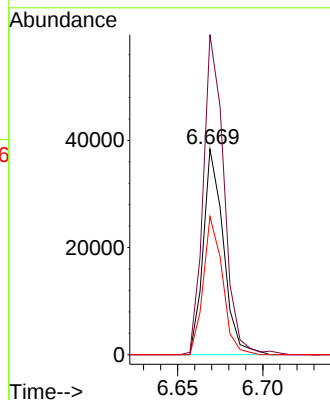
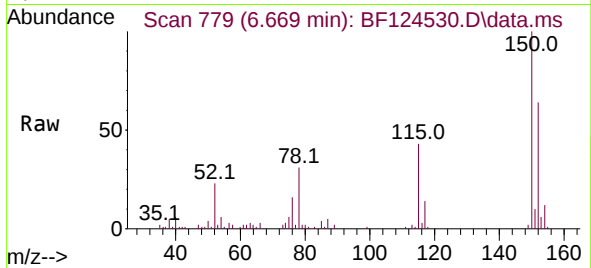


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:152 Resp: 31651
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 67.2 54.3 81.5

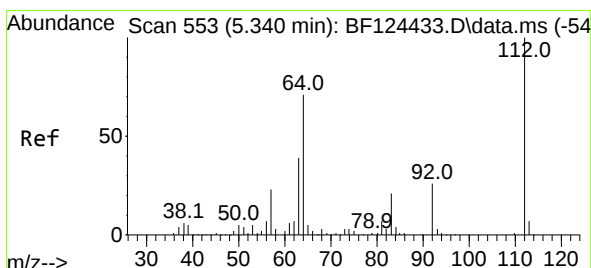
Instrument :
BNA_F
ClientSampled :
P-D19

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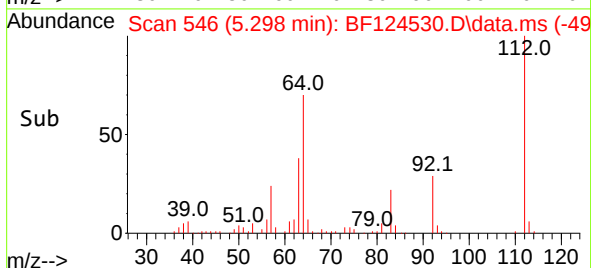
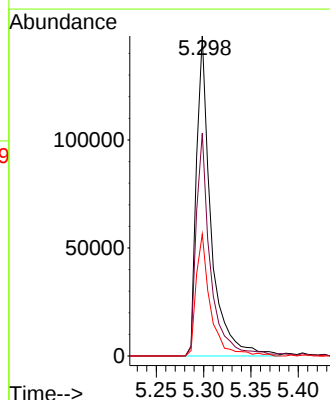
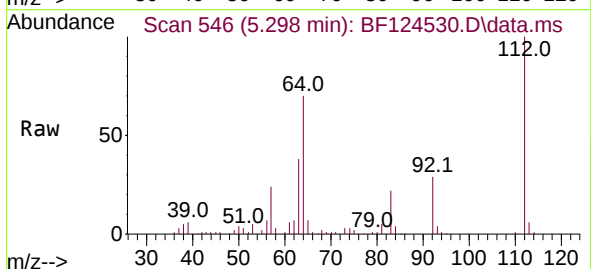
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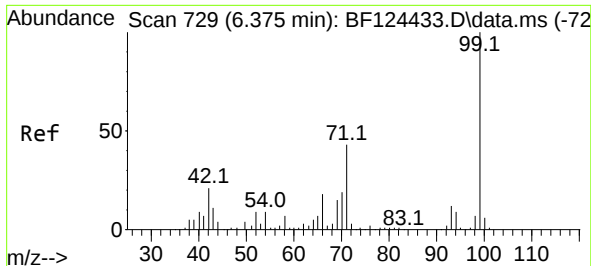
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#5
2-Fluorophenol
Concen: 78.68 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:112 Resp: 158339
Ion Ratio Lower Upper
112 100
64 69.6 61.4 92.0
63 38.1 33.0 49.4



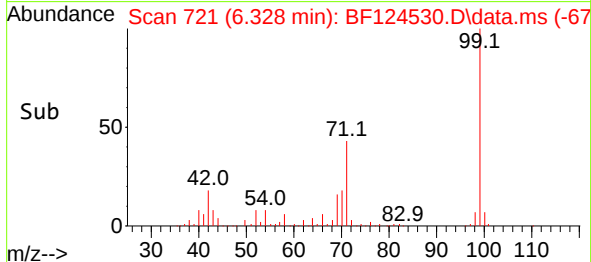
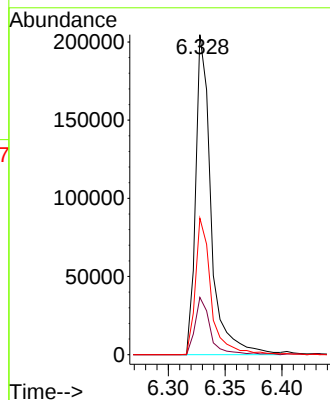
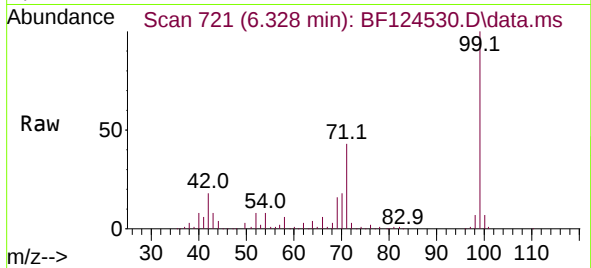


#7
Phenol-d6
Concen: 73.81 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion: 99 Resp: 193968
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 42.6 31.1 46.7

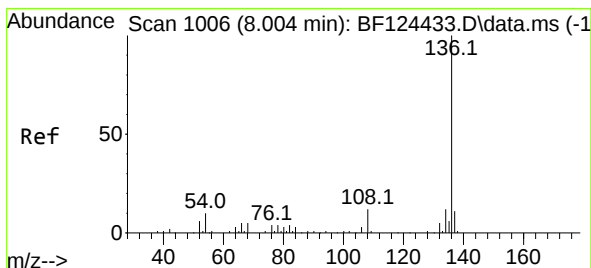
Instrument :
BNA_F
ClientSampleId :
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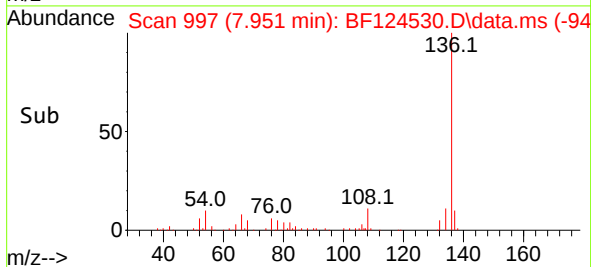
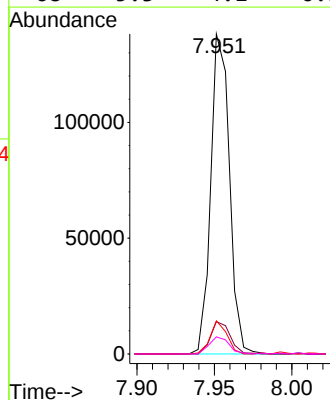
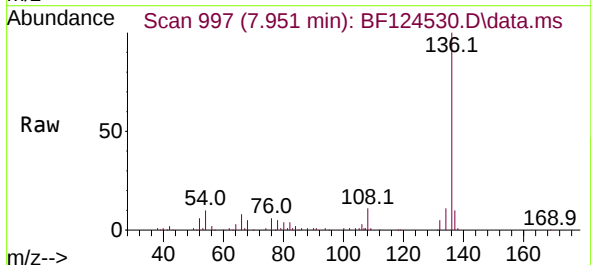
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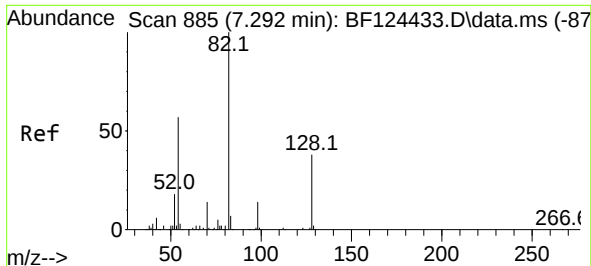
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

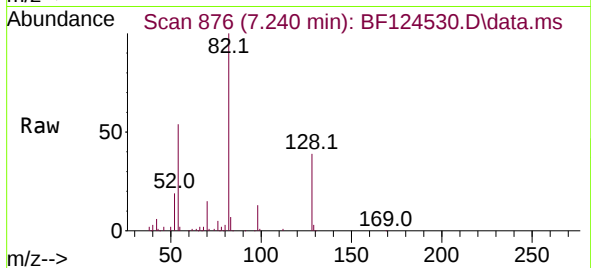
Tgt Ion: 136 Resp: 115743
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 10.3 9.8 14.6
68 5.3 4.1 6.1





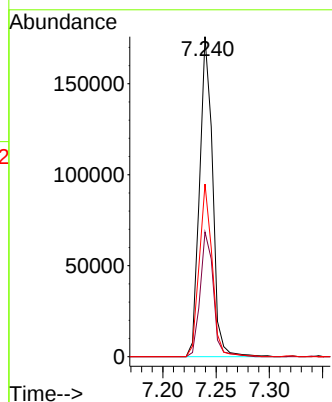
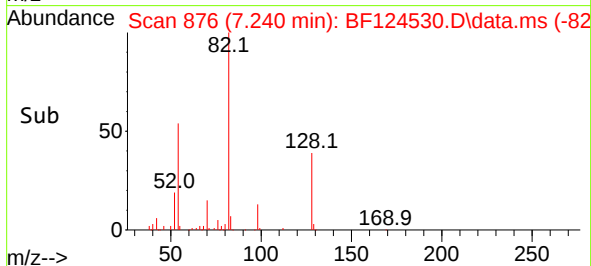
#23
Nitrobenzene-d5
Concen: 53.82 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Instrument :
BNA_F
ClientSampleId :
P-D19



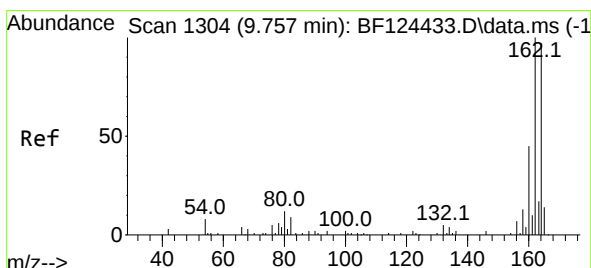
Tgt Ion: 82 Resp: 150229
Ion Ratio Lower Upper
82 100
128 39.0 29.4 44.2
54 54.0 54.1 81.1#

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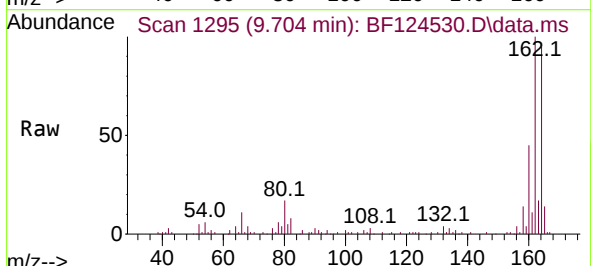


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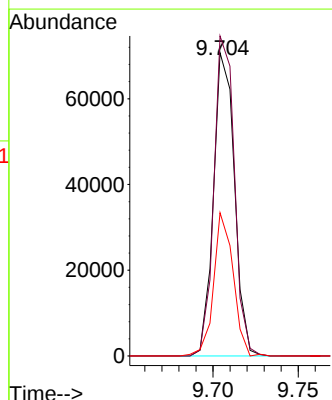
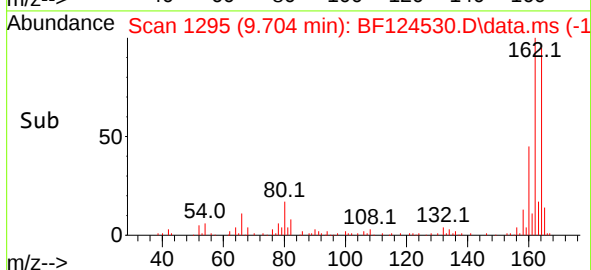
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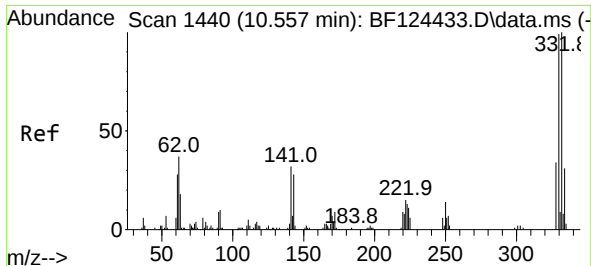


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

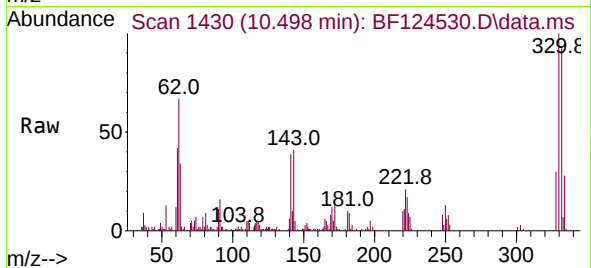


Tgt Ion: 164 Resp: 60632
Ion Ratio Lower Upper
164 100
162 105.5 80.7 121.1
160 47.2 37.3 55.9

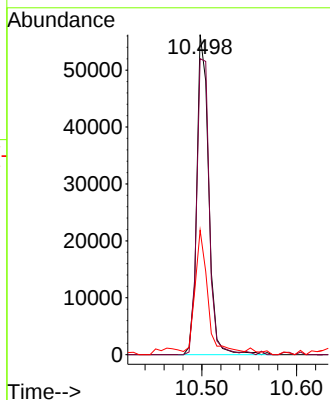
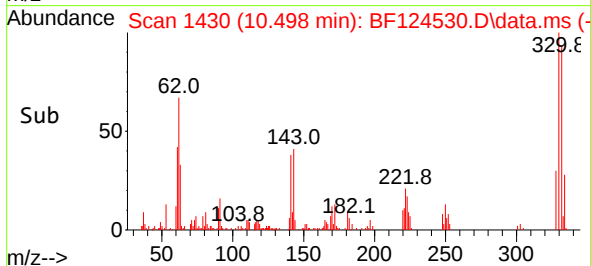




#42
2,4,6-Tribromophenol
Concen: 67.88 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



Tgt Ion:330 Resp: 49169
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 38.7 27.9 41.9

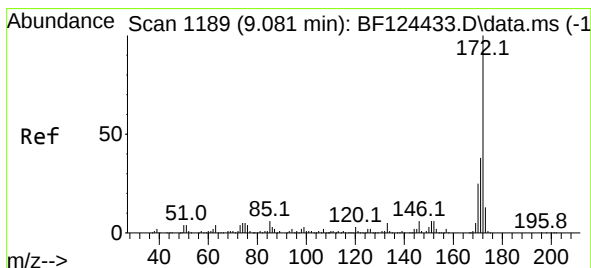


Instrument :
BNA_F
ClientSampleId :
P-D19

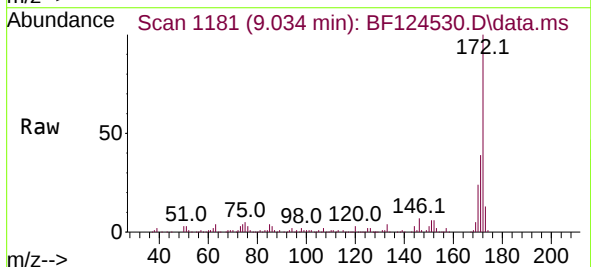
Manual Integrations
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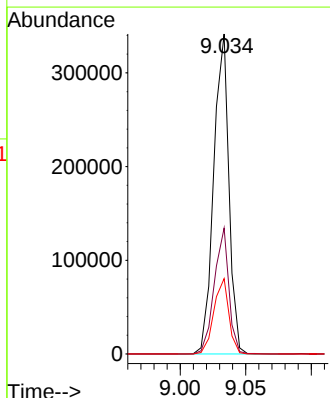
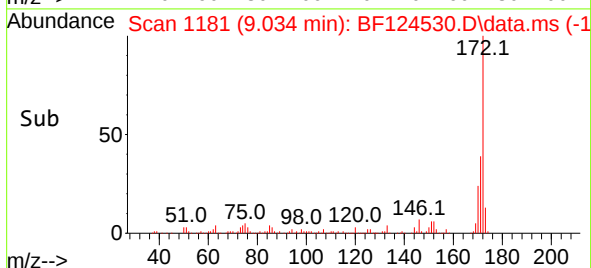
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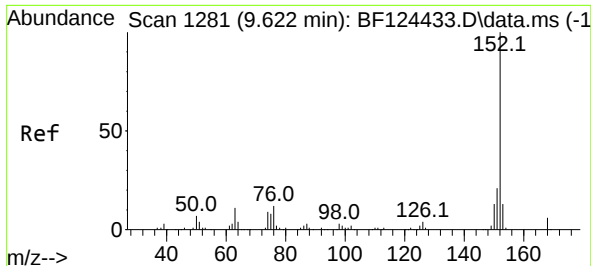


#45
2-Fluorobiphenyl
Concen: 55.52 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

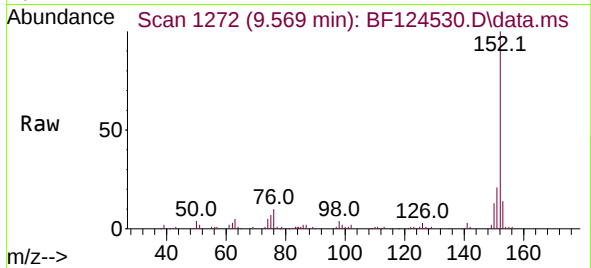


Tgt Ion:172 Resp: 274784
Ion Ratio Lower Upper
172 100
171 39.4 28.1 42.1
170 23.6 19.2 28.8

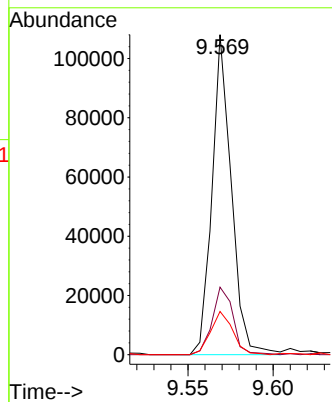
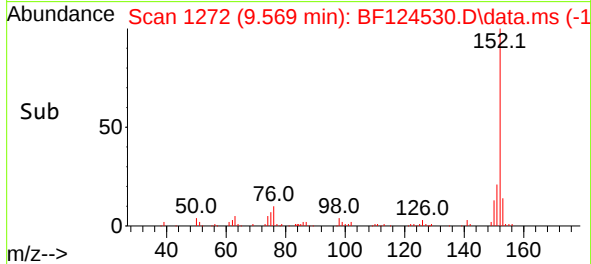




#49
Acenaphthylene
Concen: 14.03 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



Tgt Ion:152 Resp: 85476
Ion Ratio Lower Upper
152 100
151 21.1 16.0 24.0
153 13.5 10.4 15.6

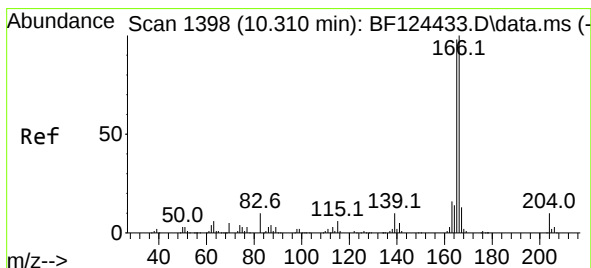


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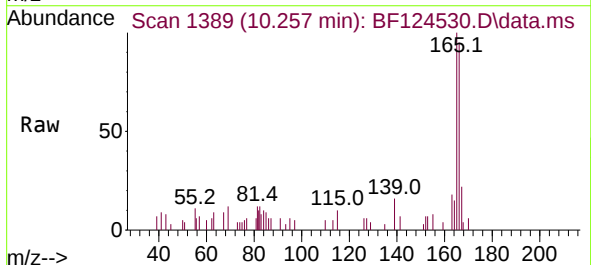
Manual Integrations
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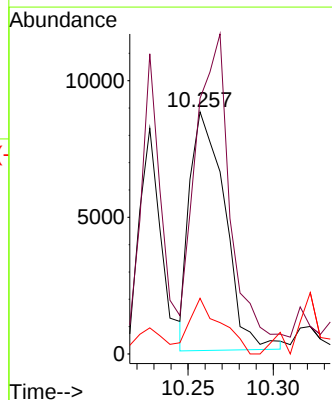
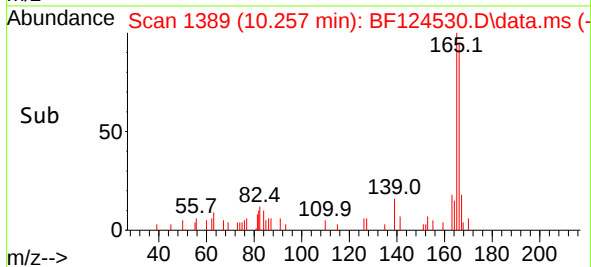
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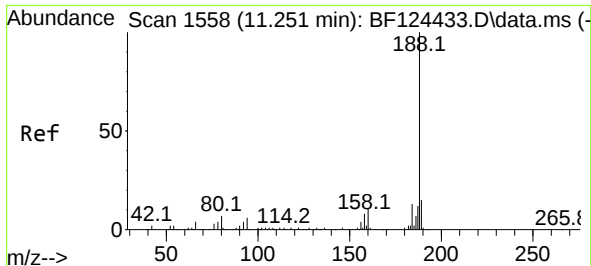


#58
Fluorene
Concen: 2.65 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



Tgt Ion:166 Resp: 12543
Ion Ratio Lower Upper
166 100
165 105.7 73.5 110.3
167 23.0 10.7 16.1#



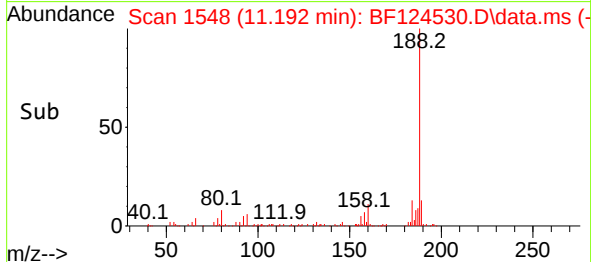
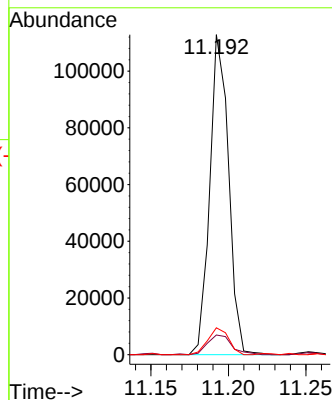
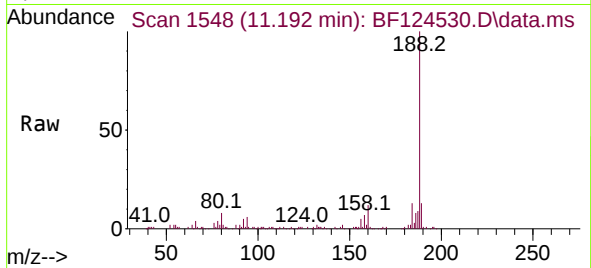


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:188 Resp: 95209
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 8.4 8.2 12.2

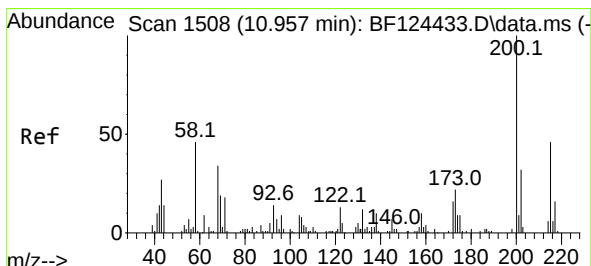
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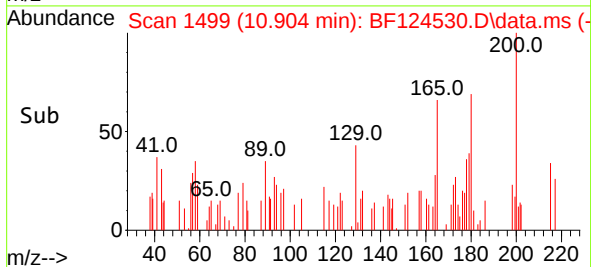
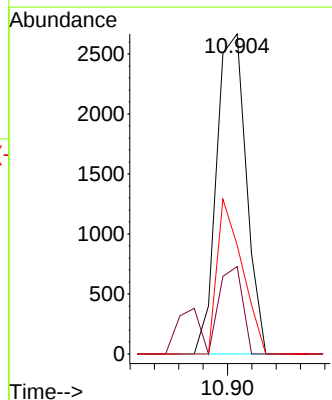
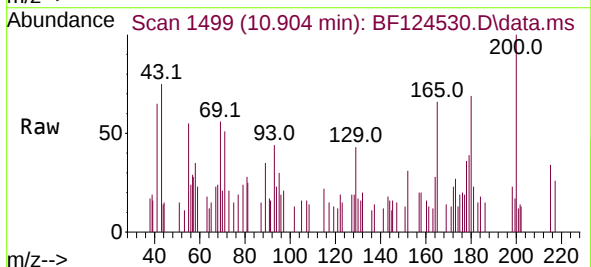
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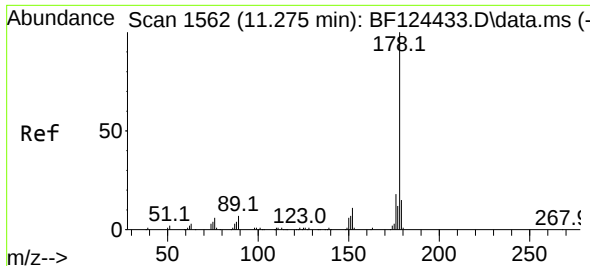
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#69
Atrazine
Concen: 2.40 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

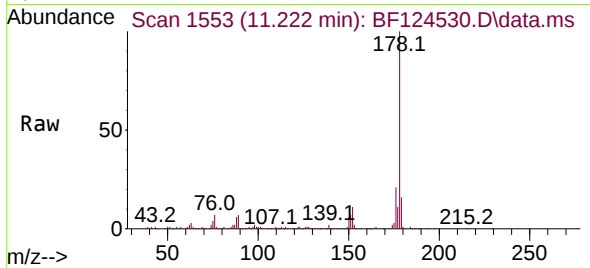
Tgt Ion:200 Resp: 2260
Ion Ratio Lower Upper
200 100
173 27.3 6.9 46.9
215 34.0 26.5 66.5





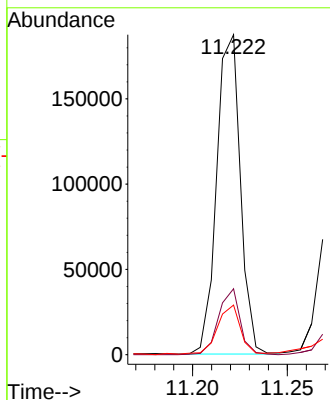
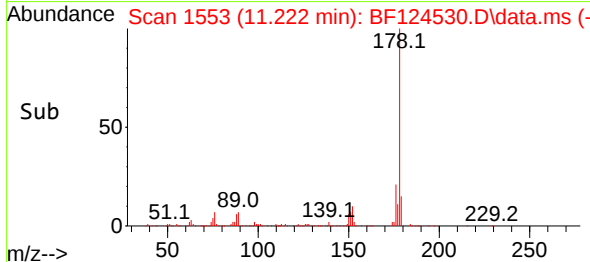
#71
Phenanthrene
Concen: 27.21 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Instrument :
BNA_F
ClientSampleId :
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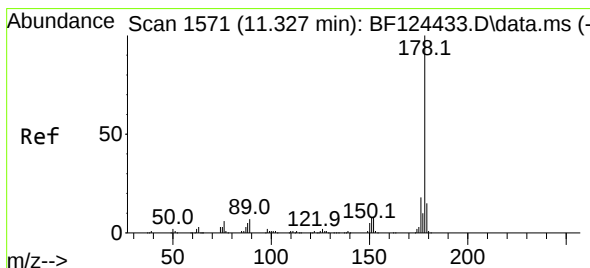
Tgt Ion:178 Resp: 163335
Ion Ratio Lower Upper
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176 20.6 15.6 23.4
179 15.5 12.5 18.7

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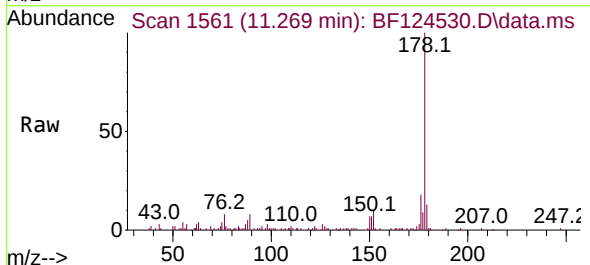


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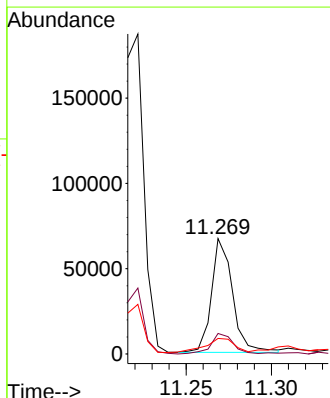
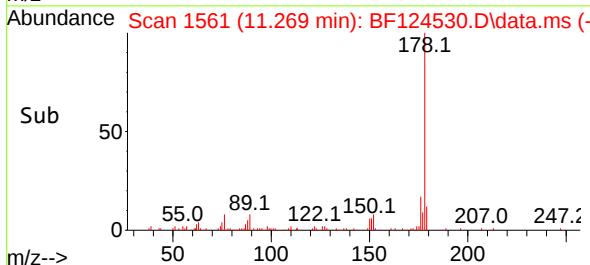
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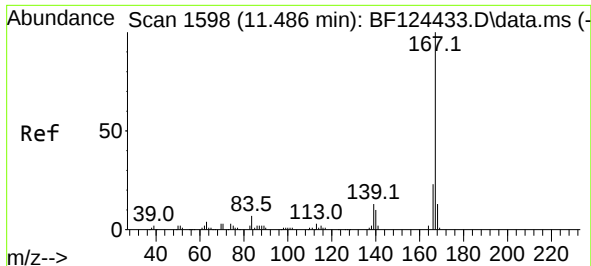


#72
Anthracene
Concen: 9.60 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



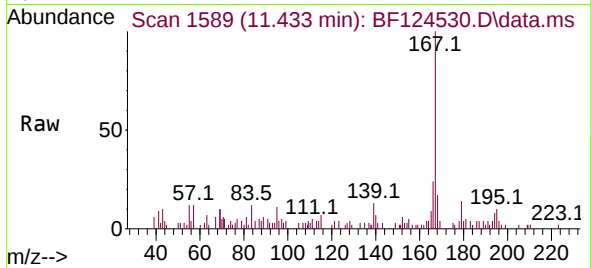
Tgt Ion:178 Resp: 57385
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 13.4 12.6 18.8





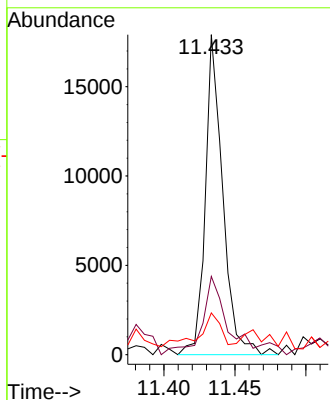
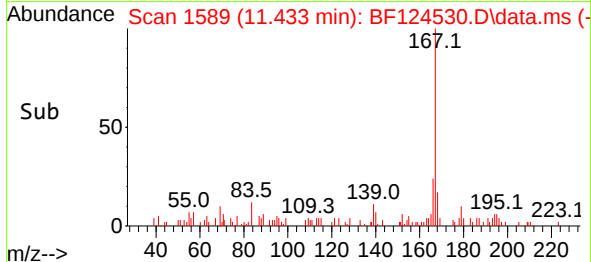
#73
 Carbazole
 Concen: 2.95 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. 0.000 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42

Instrument :
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 ClientSampleId :
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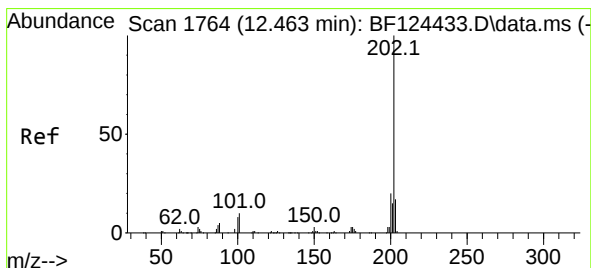
Tgt Ion:	167	Resp:	15365
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.0	25.6
139	13.1	10.4	15.6

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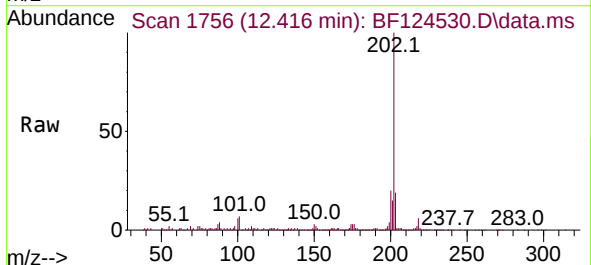


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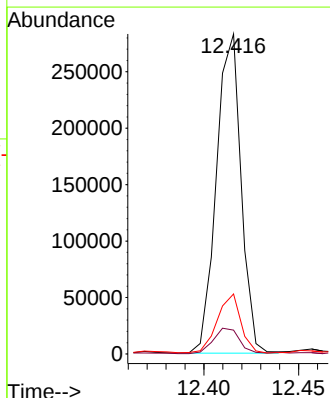
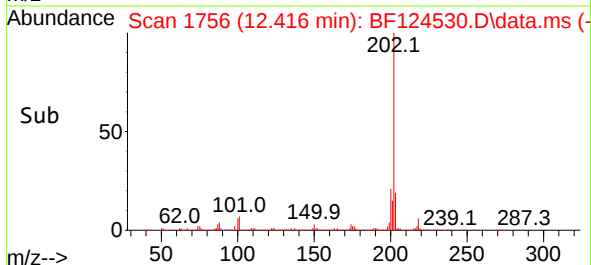
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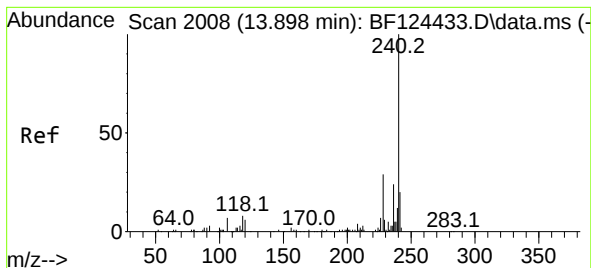


#75
 Fluoranthene
 Concen: 42.45 ng
 RT: 12.416 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42



Tgt Ion:	202	Resp:	256390
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	30.9
203	18.8	0.0	37.5



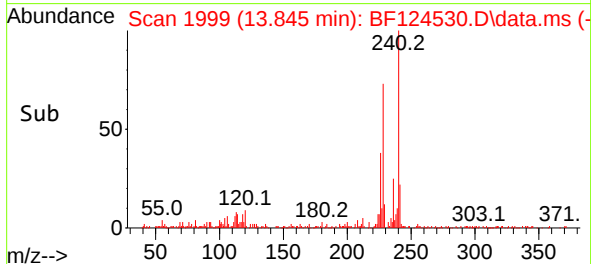
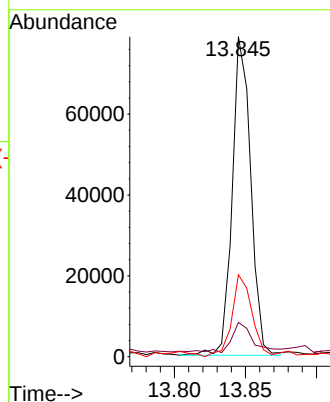
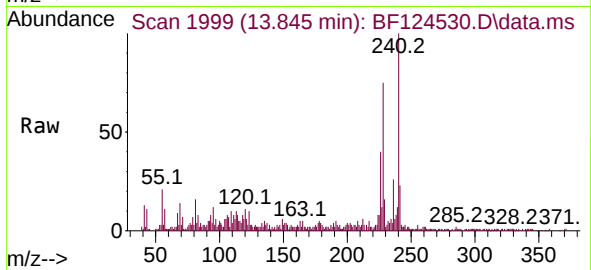


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:240 Resp: 71636
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 25.6 19.0 28.4

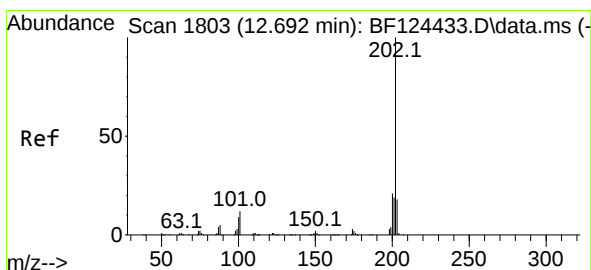
Instrument :
BNA_F
ClientSampleId :
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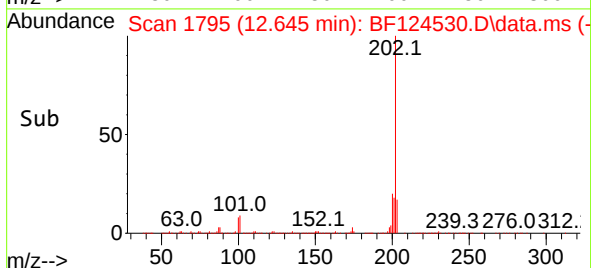
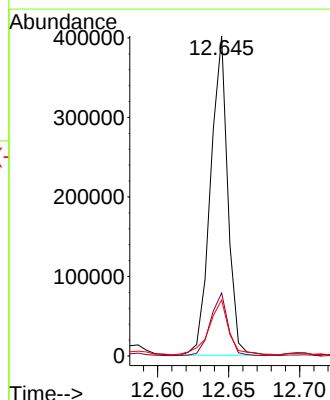
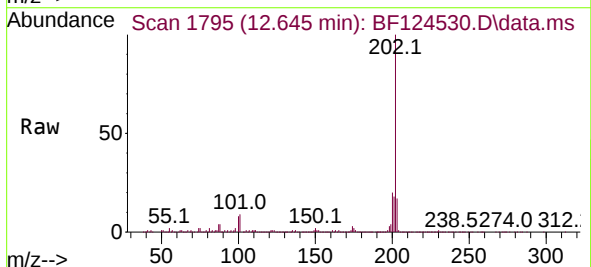
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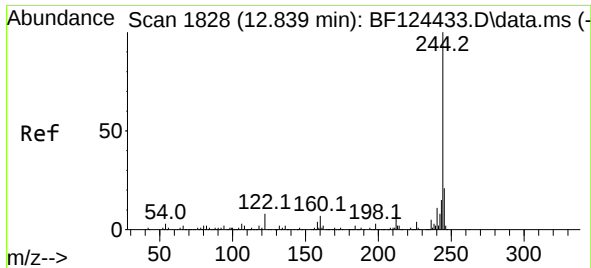
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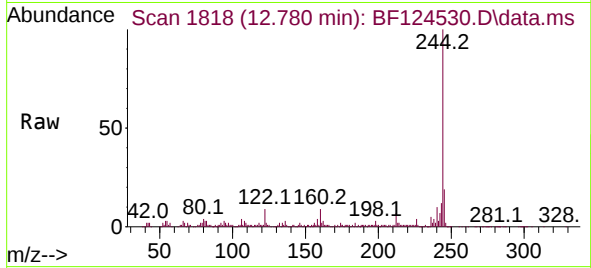
#78
Pyrene
Concen: 51.88 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:202 Resp: 339238
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.5 14.8 22.2

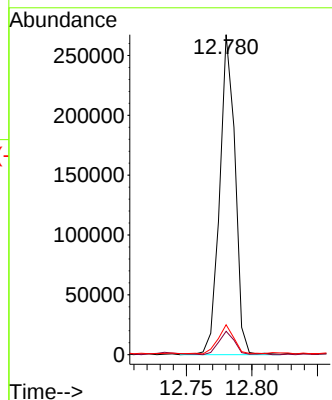




#79
Terphenyl-d14
Concen: 45.53 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



Tgt Ion:244 Resp: 217776
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 9.4 9.7 14.5#

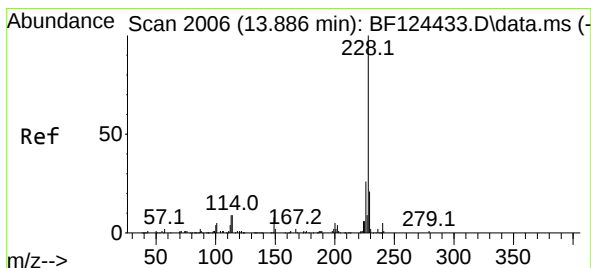


Instrument :
BNA_F
ClientSampleId :
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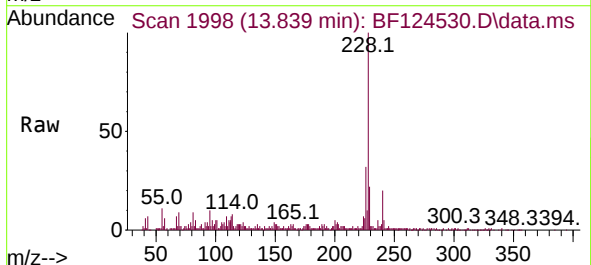
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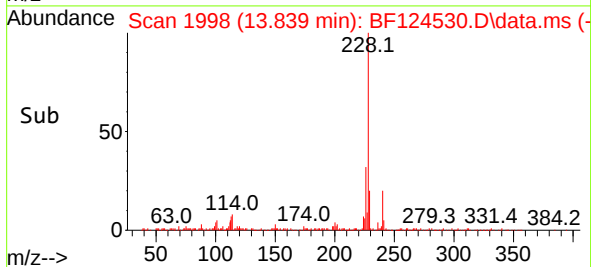
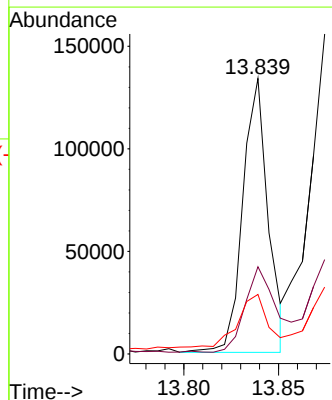
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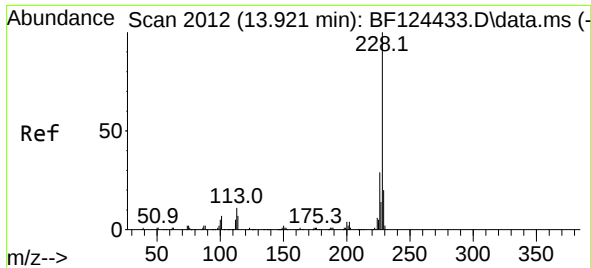


#81
Benzo(a)anthracene
Concen: 24.05 ng
RT: 13.839 min Scan# 1998
Delta R.T. 0.012 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42



Tgt Ion:228 Resp: 124218
Ion Ratio Lower Upper
228 100
226 31.7 22.4 33.6
229 21.6 16.0 24.0



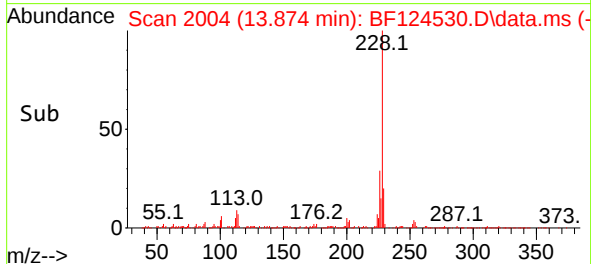
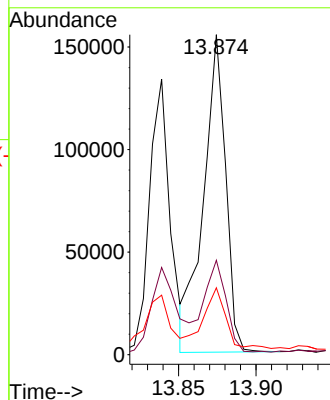
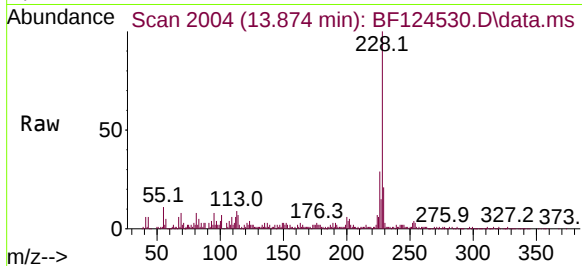


#83
Chrysene
Concen: 30.07 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:228	Resp:	153909
Ion Ratio	Lower	Upper
228	100	
226	29.5	24.3 36.5
229	20.9	16.2 24.2

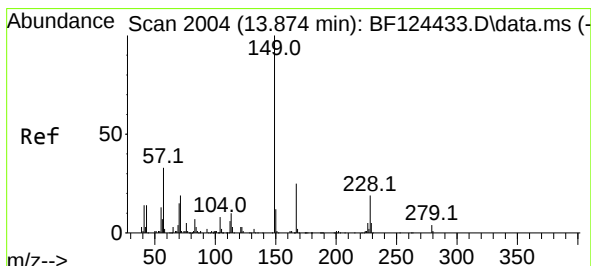
Instrument :
BNA_F
ClientSampleId :
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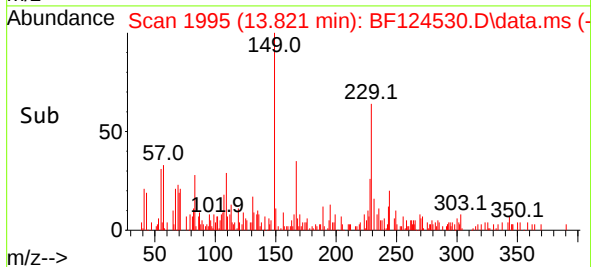
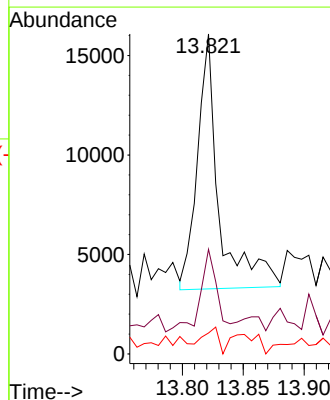
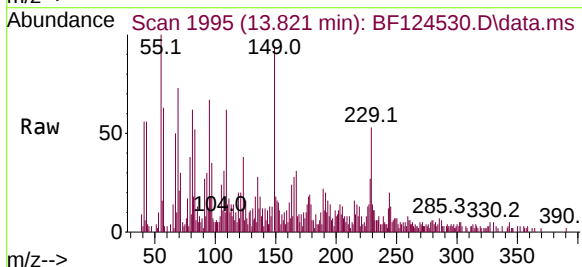
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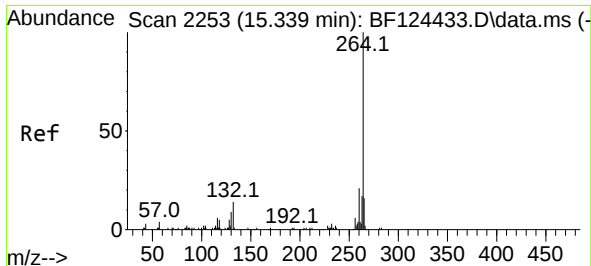
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.52 ng
RT: 13.821 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:149	Resp:	15716
Ion Ratio	Lower	Upper
149	100	
167	32.7	21.8 32.6#
279	6.6	3.3 4.9#



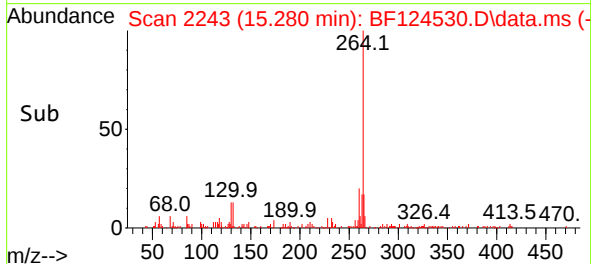
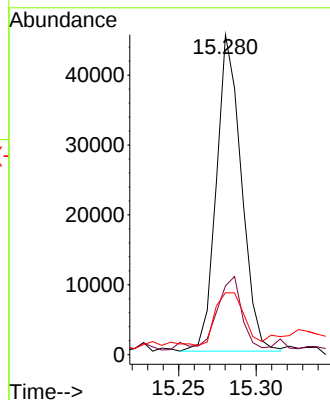
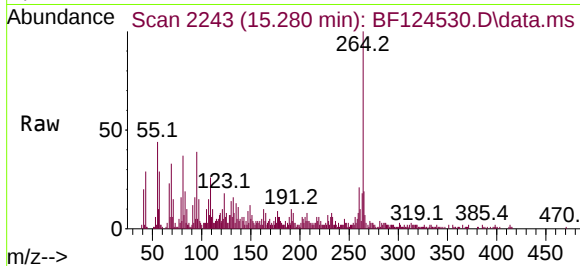


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.280 min Scan# 2243
Delta R.T. 0.018 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:	264	Resp:	50834
Ion Ratio	Lower	Upper	
264	100		
260	21.5	18.7	28.1
265	19.3	17.8	26.8

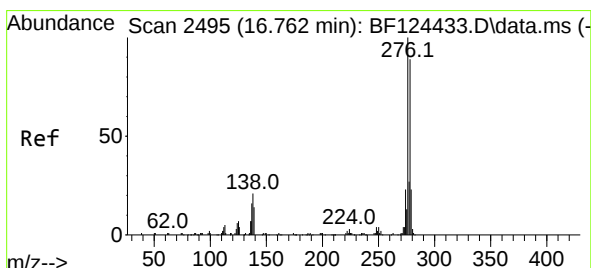
Instrument :
BNA_F
ClientSampleId :
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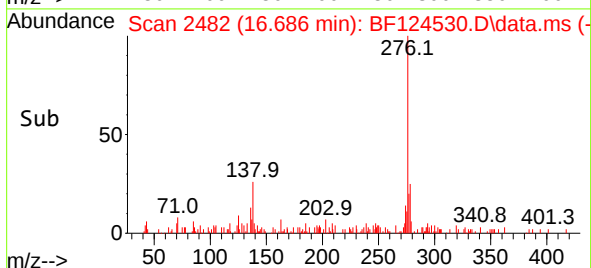
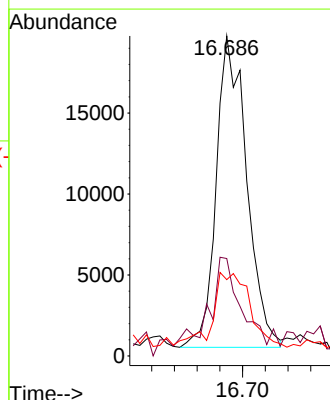
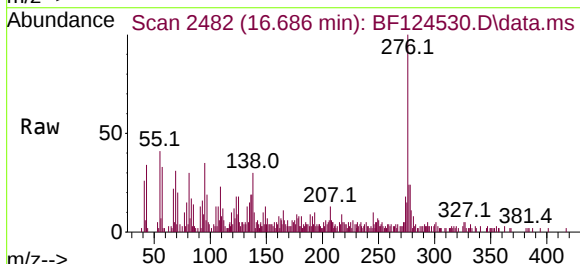
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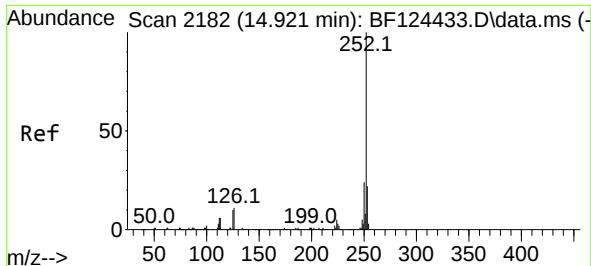
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#87
Indeno(1,2,3-cd)pyrene
Concen: 8.91 ng
RT: 16.686 min Scan# 2482
Delta R.T. 0.035 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:	276	Resp:	35732
Ion Ratio	Lower	Upper	
276	100		
138	38.6	16.2	24.2#
277	29.2	20.1	30.1



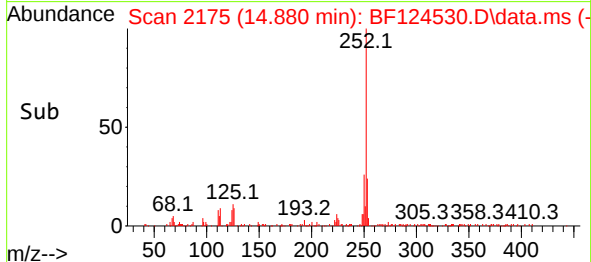
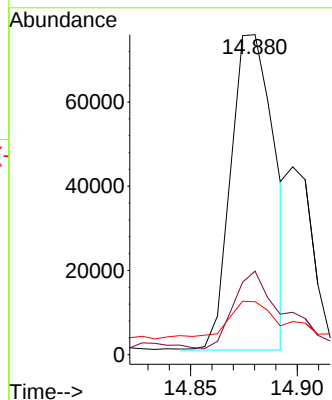
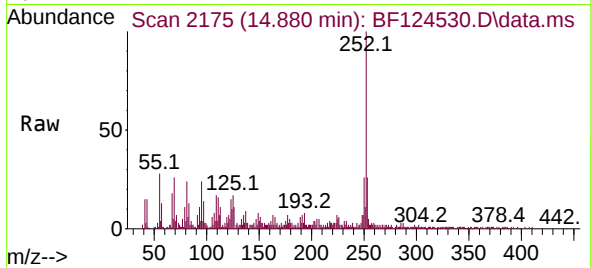


#88
Benzo(b)fluoranthene
Concen: 27.42 ng m
RT: 14.880 min Scan# 2175
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:252 Resp: 105621
Ion Ratio Lower Upper
252 100
253 26.1 18.1 27.1
125 16.5 6.2 9.4#

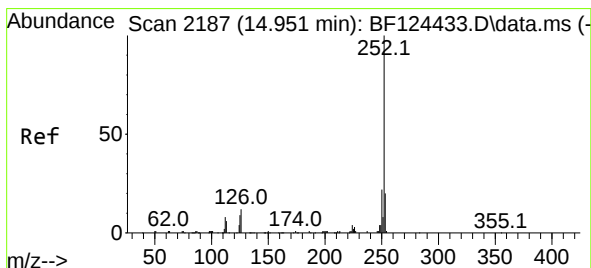
Instrument :
BNA_F
ClientSampled :
P-D19

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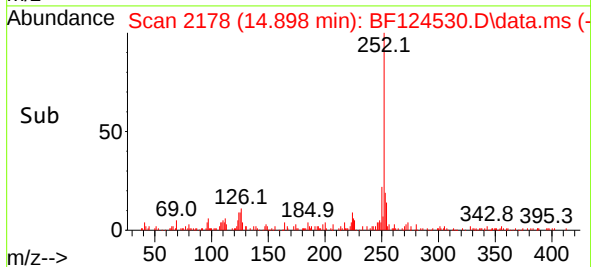
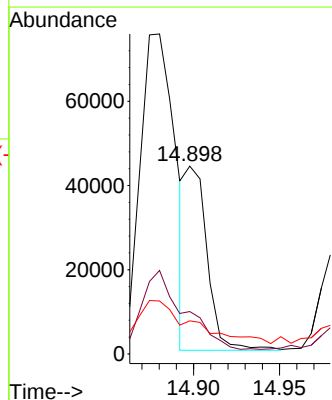
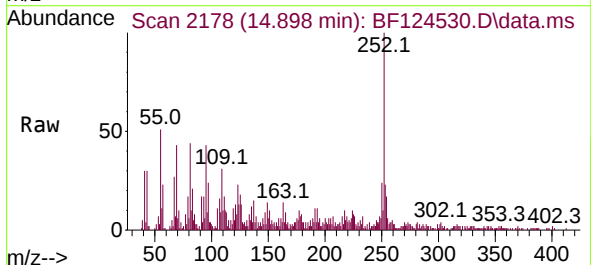
mohammad

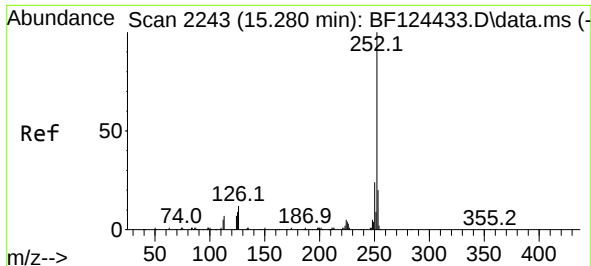
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#89
Benzo(k)fluoranthene
Concen: 10.84 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.012 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:252 Resp: 38196
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 17.6 7.0 10.6#



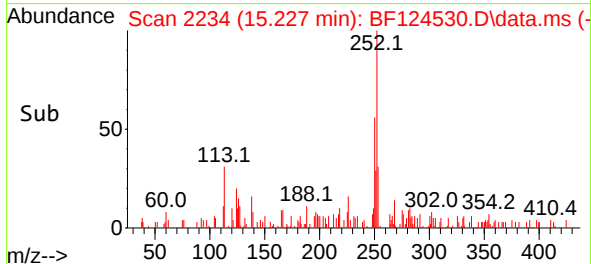
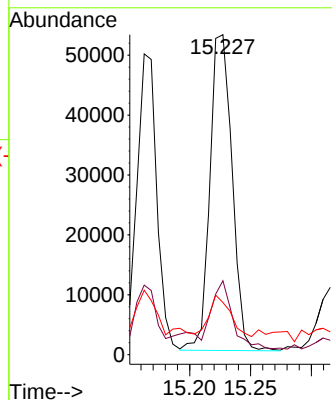
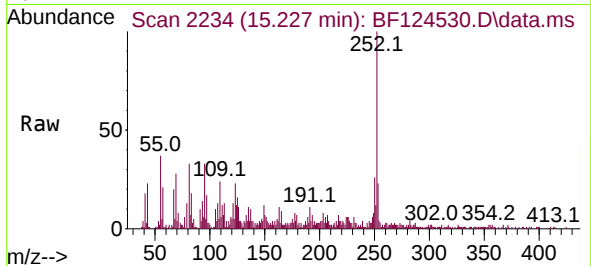


#90
Benzo(a)pyrene
Concen: 19.53 ng
RT: 15.227 min Scan# 2234
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:252 Resp: 66845
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 16.3 8.0 12.0#

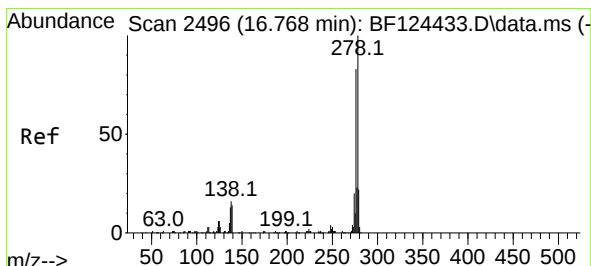
Instrument :
BNA_F
ClientSampleId :
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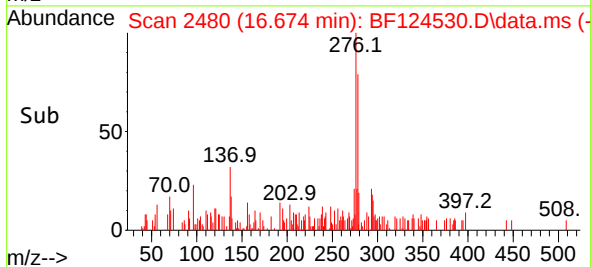
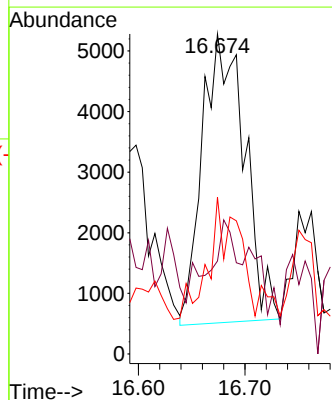
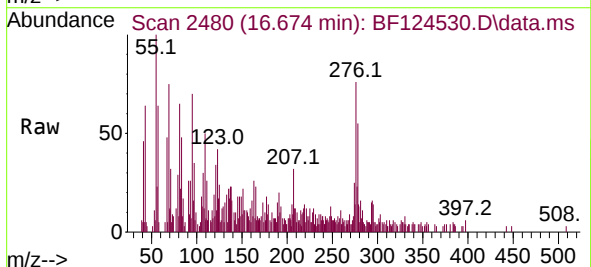
mohammad

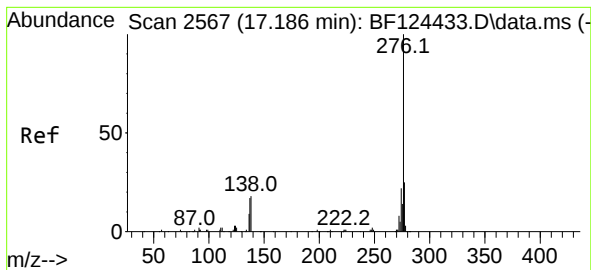
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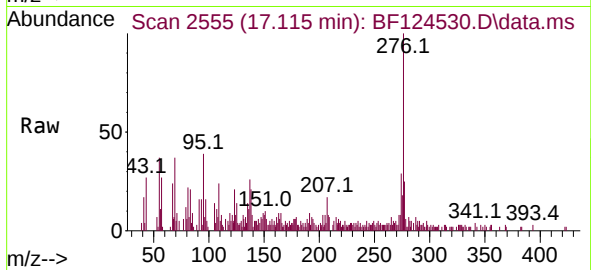
#91
Dibenzo(a,h)anthracene
Concen: 3.78 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124530.D
Acq: 2 Jul 2021 21:42

Tgt Ion:278 Resp: 13054
Ion Ratio Lower Upper
278 100
139 29.1 10.2 15.2#
279 49.0 19.4 29.0#

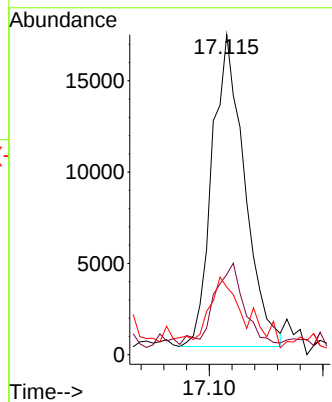
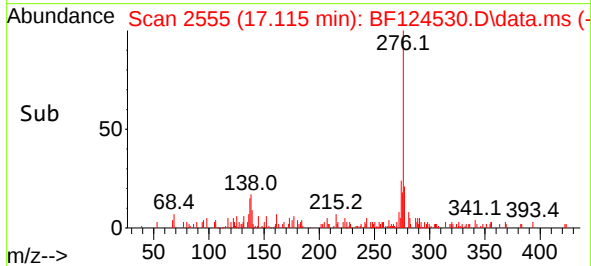




#92
 Benzo(g,h,i)perylene
 Concen: 9.98 ng
 RT: 17.115 min Scan# 2555
 Delta R.T. 0.047 min
 Lab File: BF124530.D
 Acq: 2 Jul 2021 21:42



Tgt Ion:	276	Resp:	33923
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.2	27.2
138	21.1	13.8	20.6#



Instrument :
 BNA_F
 ClientSampleId :
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