

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124133.D
 Acq On : 4 Jun 2021 11:32
 Operator : JU/CG
 Sample : M2580-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B4(2-4)

Manual Integrations
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Quant Time: Jun 04 13:16:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	40306	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	154832	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	82490	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	119135	20.00	ng	0.00
76) Chrysene-d12	14.033	240	90174	20.00	ng	0.00
86) Perylene-d12	15.515	264	93641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	267647	99.96	ng	0.00
7) Phenol-d6	6.504	99	333469	92.66	ng	0.00
23) Nitrobenzene-d5	7.428	82	228426	58.51	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	92178	78.87	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	448132	68.36	ng	0.00
79) Terphenyl-d14	12.974	244	342782	52.19	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.516	94	7967	2.05	ng	73
27) 2,4-Dimethylphenol	7.810	122	7524	3.05	ng	97
31) Naphthalene	8.169	128	19430	2.10	ng	98
50) Dimethylphthalate	9.616	163	34035	4.99	ng	99
58) Fluorene	10.445	166	22835	3.53	ng	97
71) Phenanthrene	11.410	178	132129	17.75	ng	95
72) Anthracene	11.463	178	22835	3.05	ng	97
73) Carbazole	11.616	167	19457	2.98	ng	# 96
75) Fluoranthene	12.610	202	213318	27.31	ng	96
78) Pyrene	12.833	202	161745	18.68	ng	98
81) Benzo(a)anthracene	14.021	228	60400	9.19	ng	97
83) Chrysene	14.057	228	81196m	12.81	ng	
84) Bis(2-ethylhexyl)phtha...	14.009	149	18444	4.41	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	31602	8.02	ng	# 89
88) Benzo(b)fluoranthene	15.080	252	106752m	14.68	ng	
89) Benzo(k)fluoranthene	15.109	252	34198m	4.97	ng	
90) Benzo(a)pyrene	15.451	252	45640	7.22	ng	# 91
91) Dibenzo(a,h)anthracene	17.009	278	9299	5.45	ng	# 93
92) Benzo(g,h,i)perylene	17.450	276	27021	7.60	ng	# 88

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

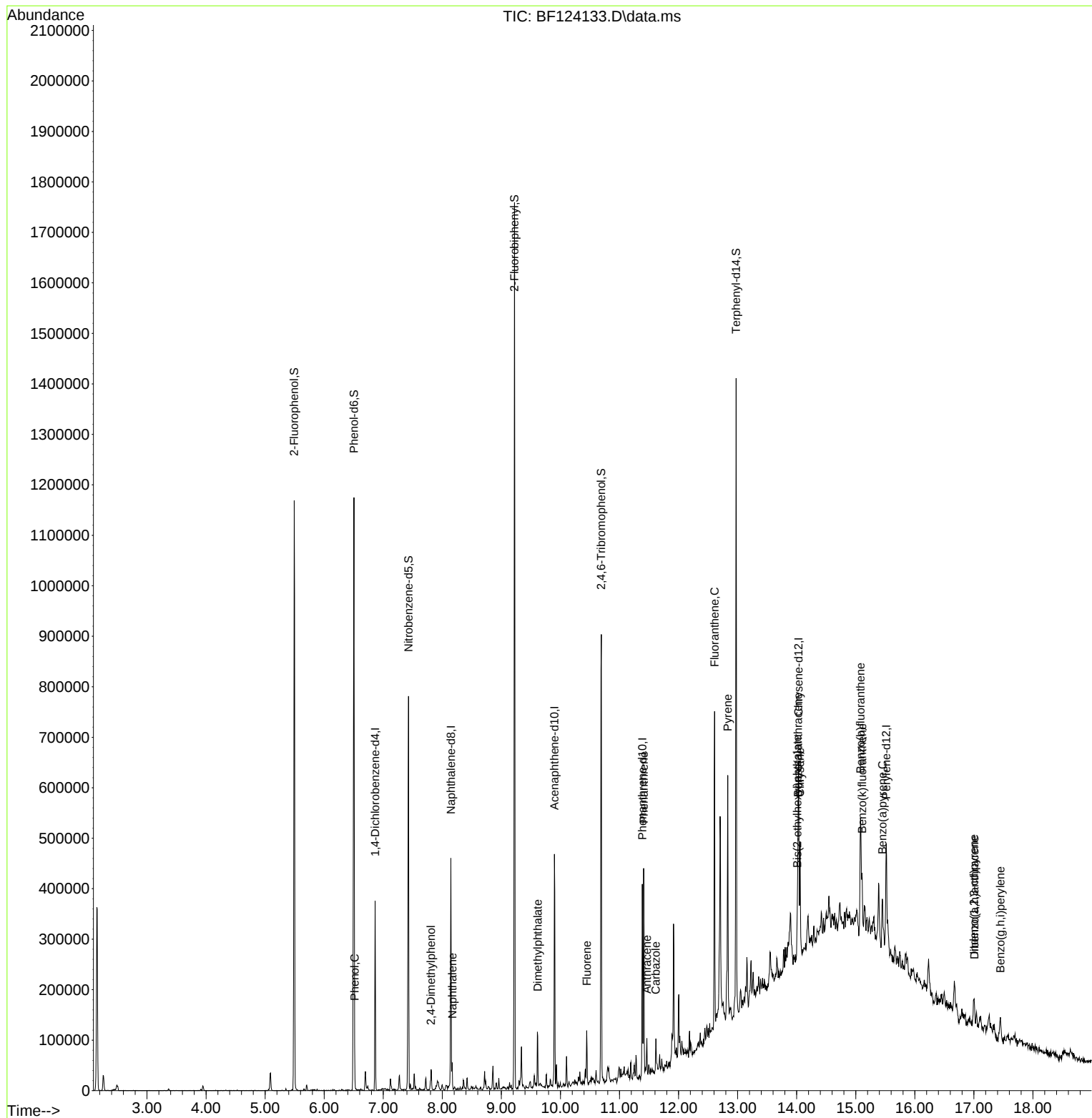
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
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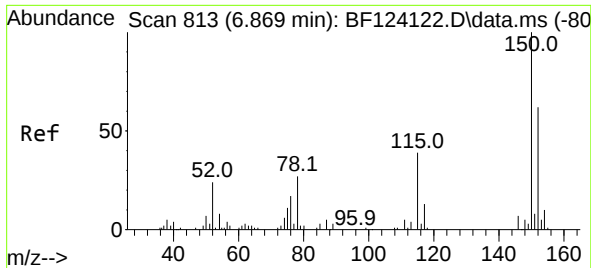
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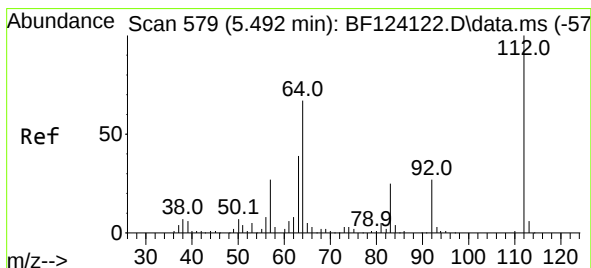
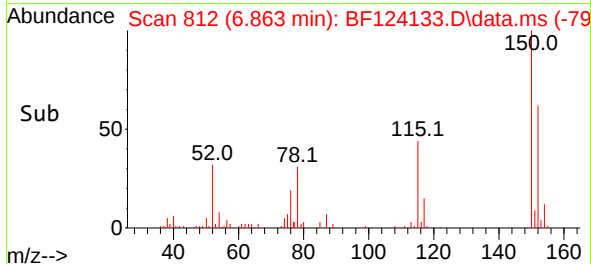
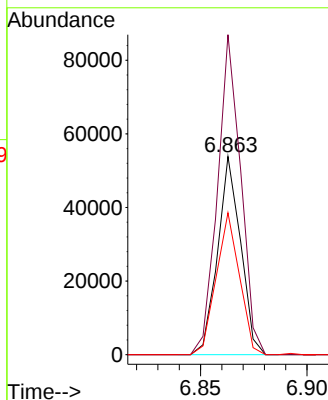
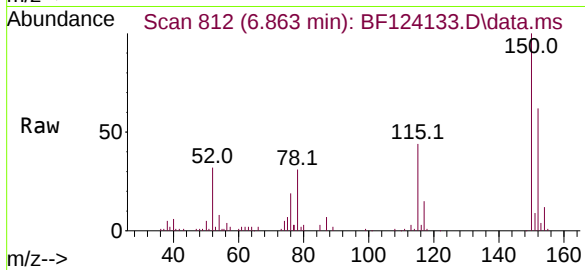
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:152 Resp: 40306
Ion Ratio Lower Upper
152 100
150 161.5 127.0 190.6
115 71.6 54.3 81.5

Instrument :
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ClientSampleId :
18-B4(2-4)

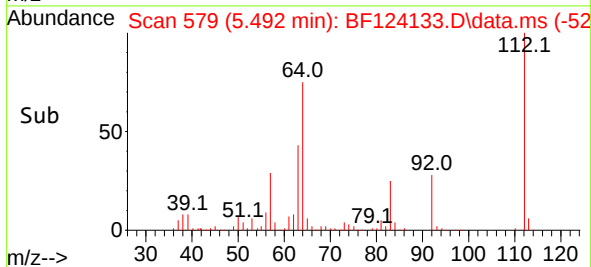
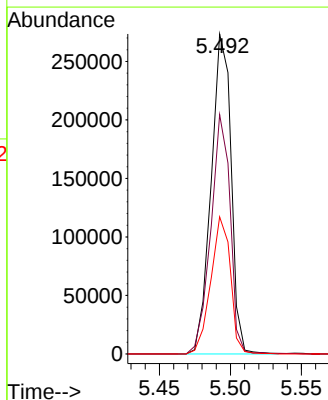
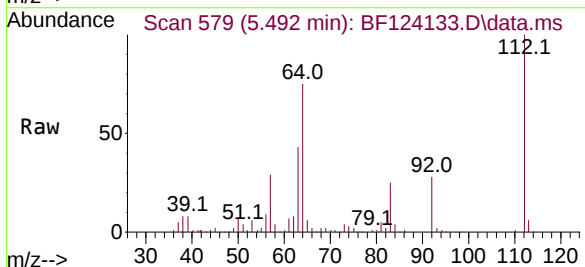
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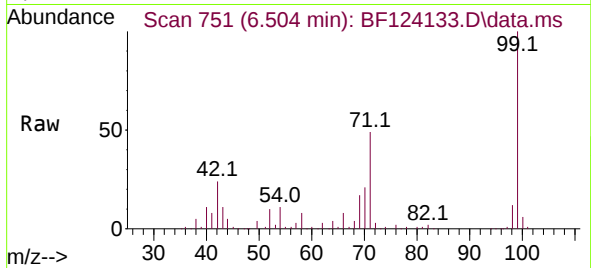
#5
2-Fluorophenol
Concen: 99.96 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:112 Resp: 267647
Ion Ratio Lower Upper
112 100
64 74.8 61.4 92.0
63 42.9 33.0 49.4

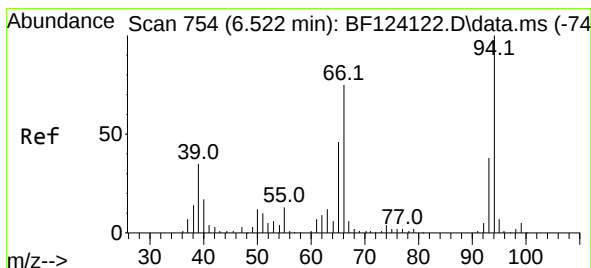
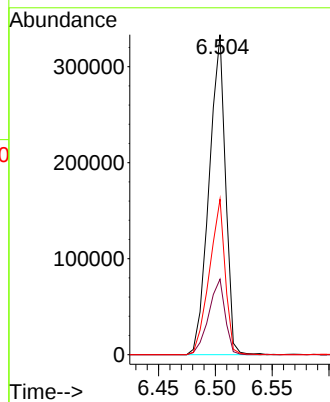
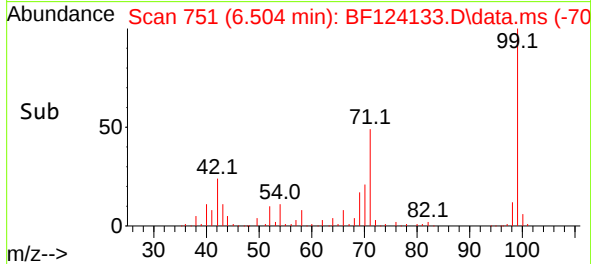




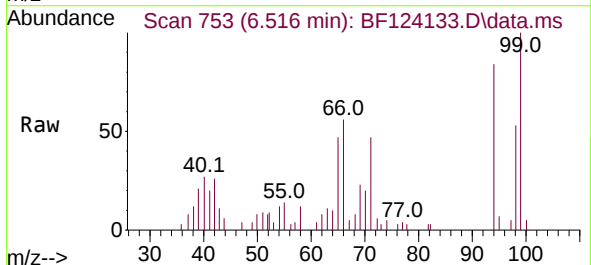
#7
Phenol-d6
Concen: 92.66 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



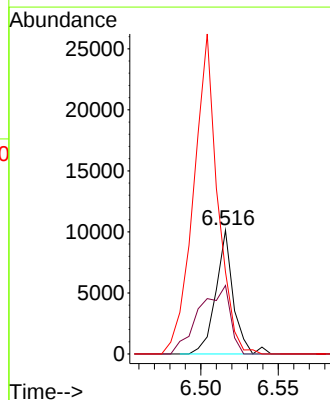
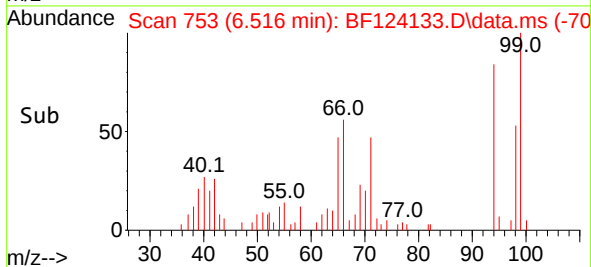
Tgt Ion: 99 Resp: 333469
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.8
71 48.6 31.1 46.7#



#10
Phenol
Concen: 2.05 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



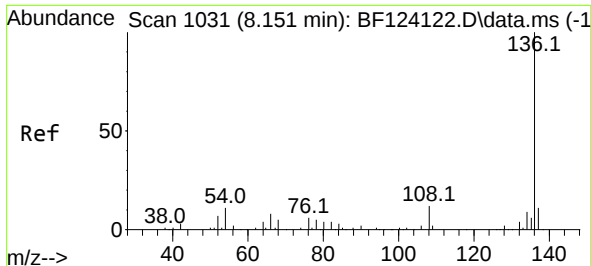
Tgt Ion: 94 Resp: 7967
Ion Ratio Lower Upper
94 100
65 55.4 18.1 58.1
66 66.3 29.0 69.0



Instrument :
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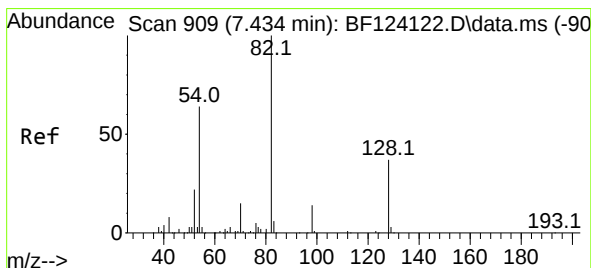
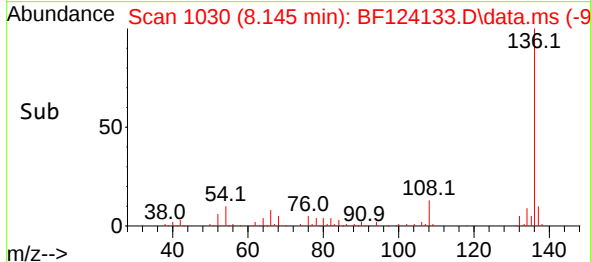
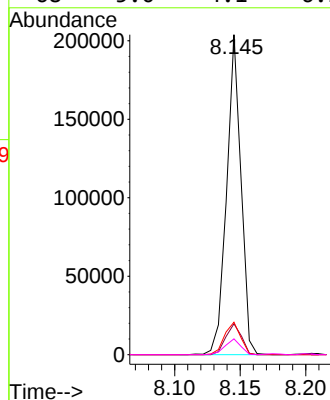
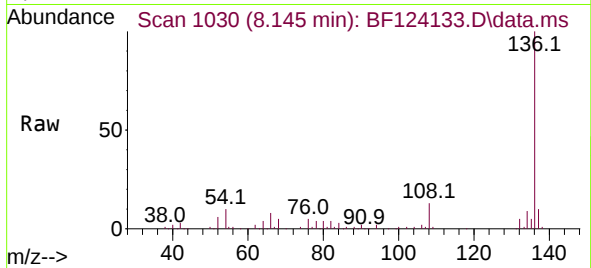
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:	136	Resp:	154832
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.7	13.1
54	10.2	9.8	14.6
68	5.0	4.1	6.1

Instrument :
BNA_F
ClientSampled :
18-B4(2-4)

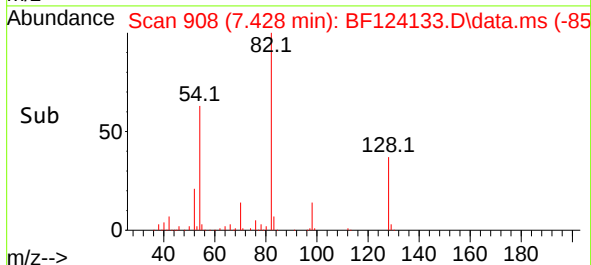
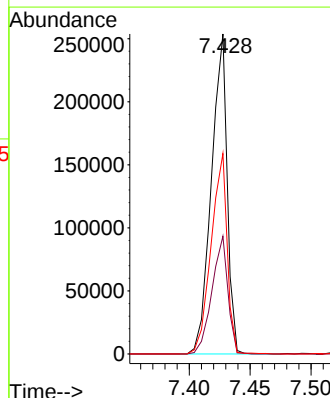
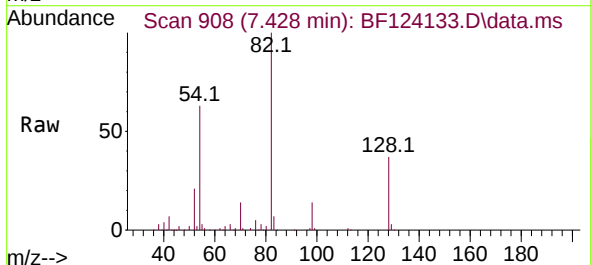
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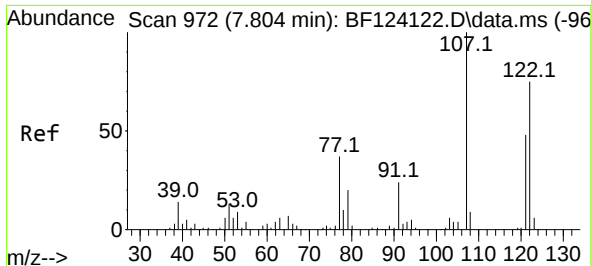
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#23
Nitrobenzene-d5
Concen: 58.51 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:	82	Resp:	228426
Ion Ratio	Lower	Upper	
82	100		
128	36.8	29.4	44.2
54	62.7	54.1	81.1





#27

2,4-Dimethylphenol

Concen: 3.05 ng

RT: 7.810 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF124133.D

Acq: 4 Jun 2021 11:32

Tgt Ion:	122	Resp:	7524
Ion	Ratio	Lower	Upper
122	100		
107	130.0	106.3	159.5
121	53.5	45.4	68.0

Instrument :

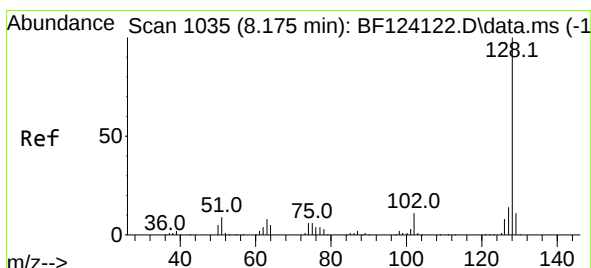
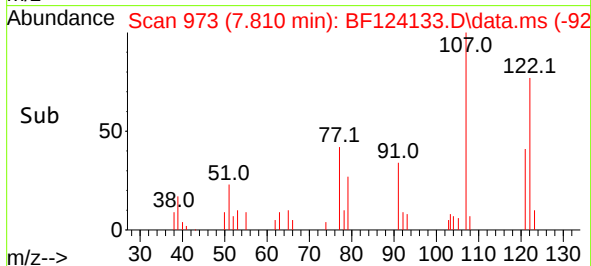
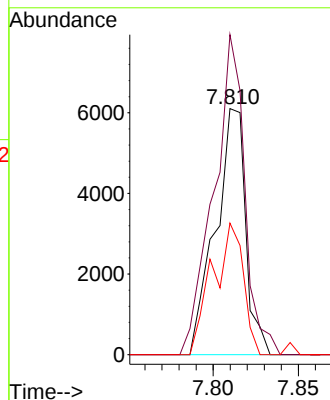
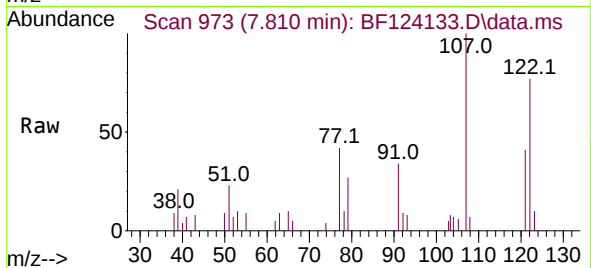
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ClientSampled :

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#31

Naphthalene

Concen: 2.10 ng

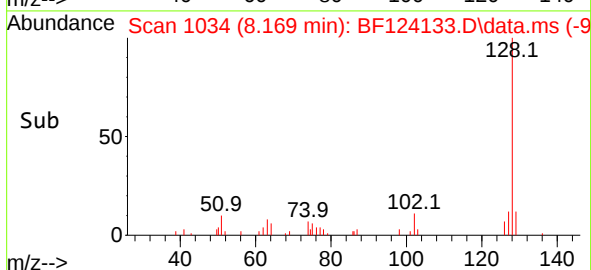
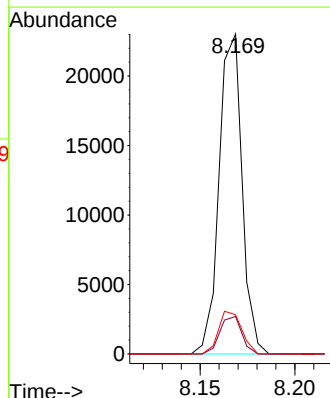
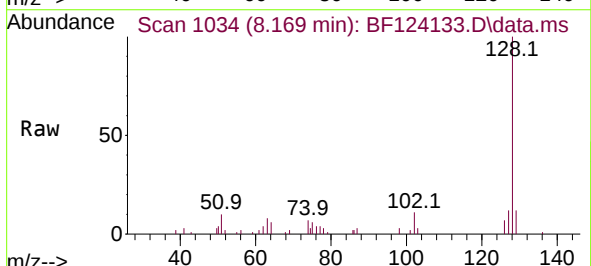
RT: 8.169 min Scan# 1034

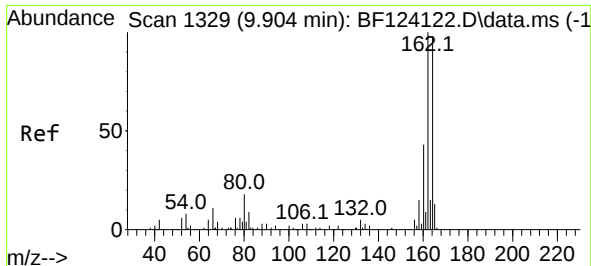
Delta R.T. -0.006 min

Lab File: BF124133.D

Acq: 4 Jun 2021 11:32

Tgt Ion:	128	Resp:	19430
Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	12.2	10.8	16.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF124133.D

Acq: 4 Jun 2021 11:32

Tgt Ion:	164	Resp:	82490
Ion Ratio	Lower	Upper	
164	100		
162	105.9	80.7	121.1
160	38.4	37.3	55.9

Instrument :

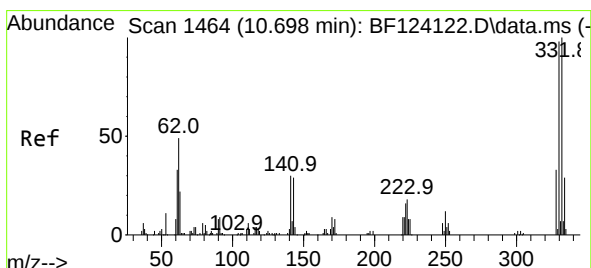
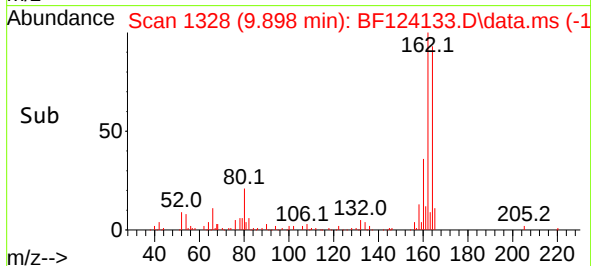
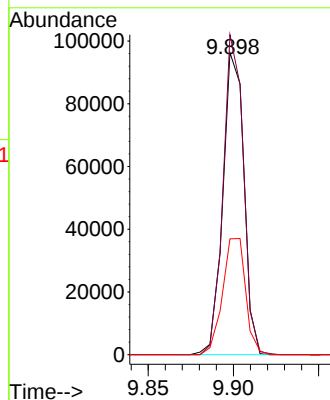
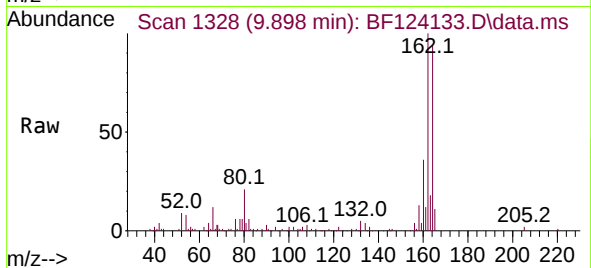
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ClientSampleId :

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#42

2,4,6-Tribromophenol

Concen: 78.87 ng

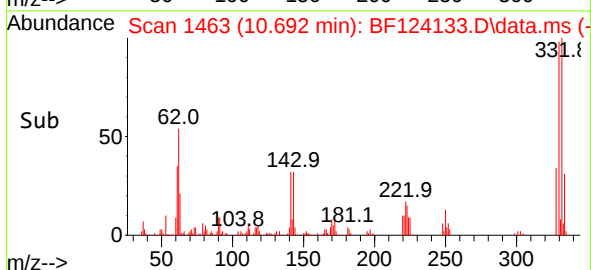
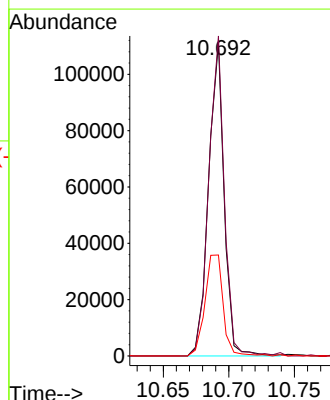
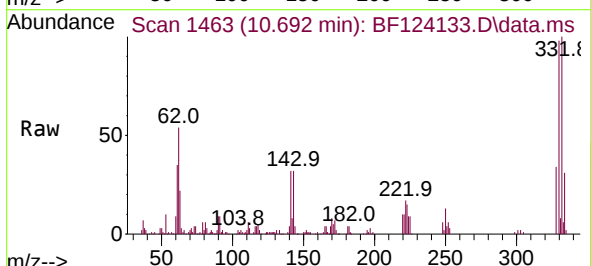
RT: 10.692 min Scan# 1463

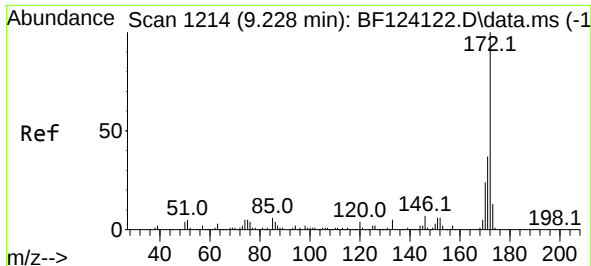
Delta R.T. -0.006 min

Lab File: BF124133.D

Acq: 4 Jun 2021 11:32

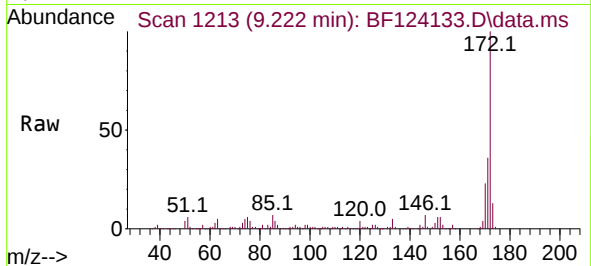
Tgt Ion:	330	Resp:	92178
Ion Ratio	Lower	Upper	
330	100		
332	102.2	77.1	115.7
141	37.6	27.9	41.9





#45
2-Fluorobiphenyl
Concen: 68.36 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

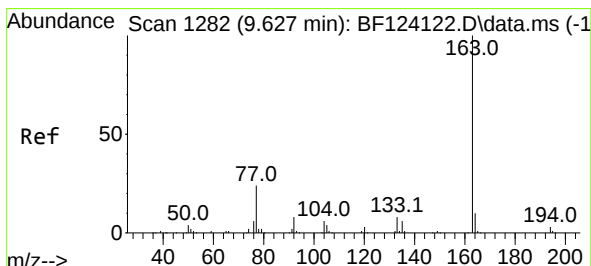
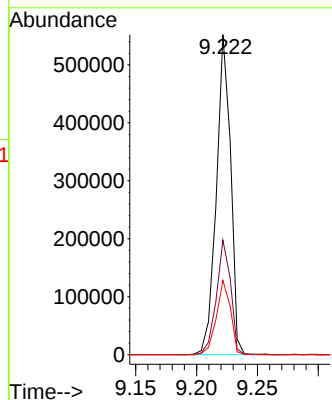
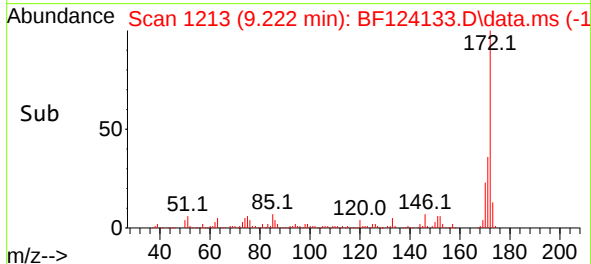
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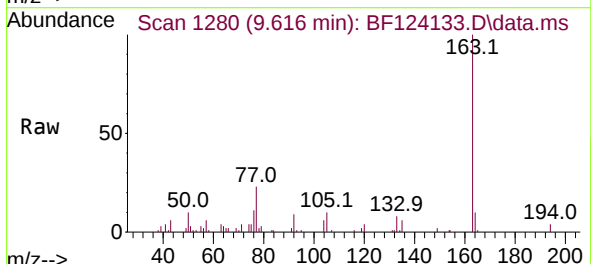
Tgt Ion:172 Resp: 448132
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.2 19.2 28.8

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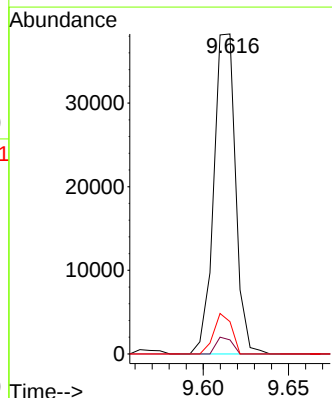
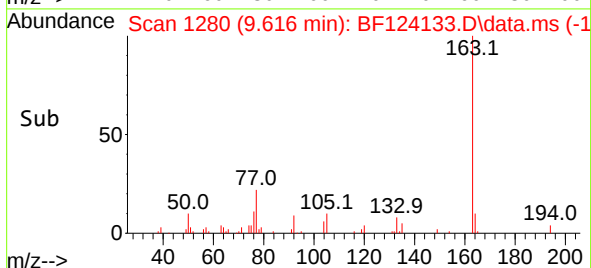
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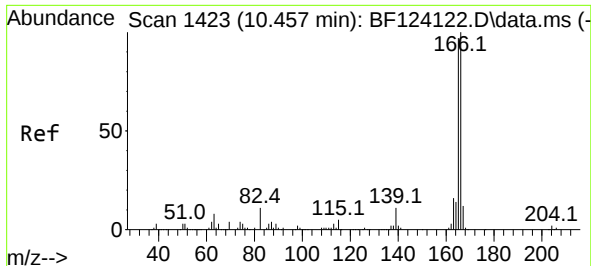


#50
Dimethylphthalate
Concen: 4.99 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



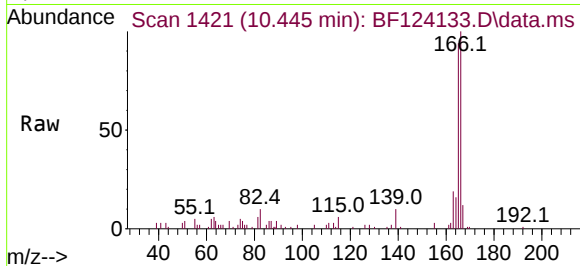
Tgt Ion:163 Resp: 34035
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.1 8.2 12.2





#58
Fluorene
Concen: 3.53 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

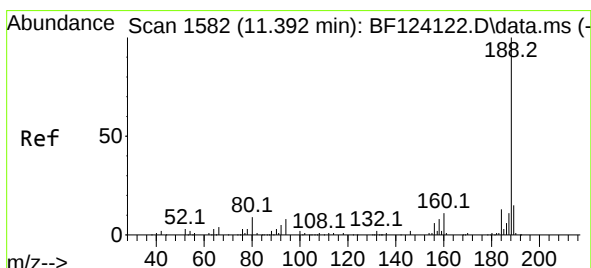
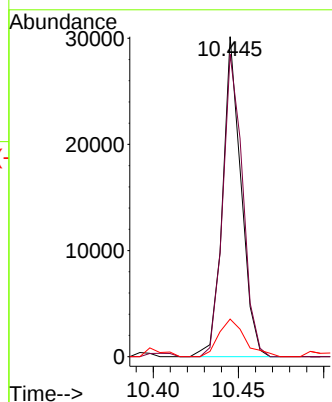
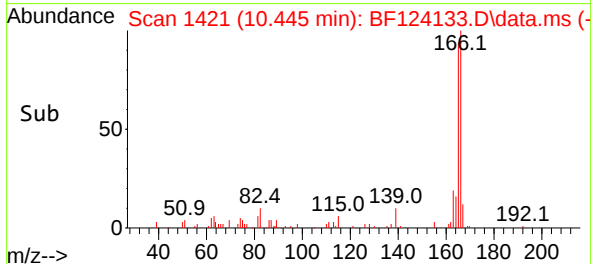
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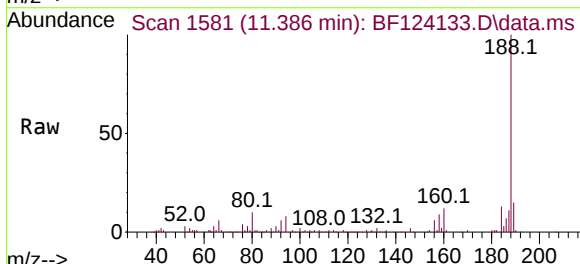
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Ion Ratio Lower Upper
166 100
165 94.5 73.5 110.3
167 11.7 10.7 16.1

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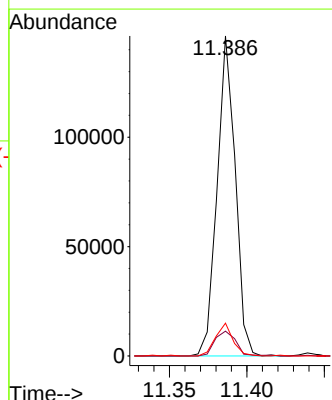
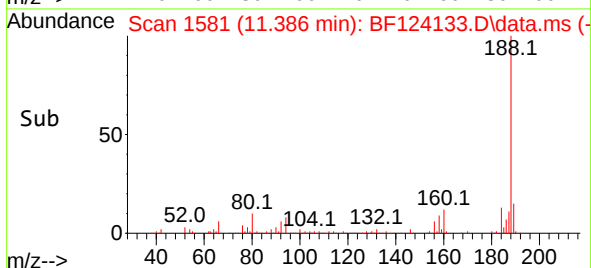
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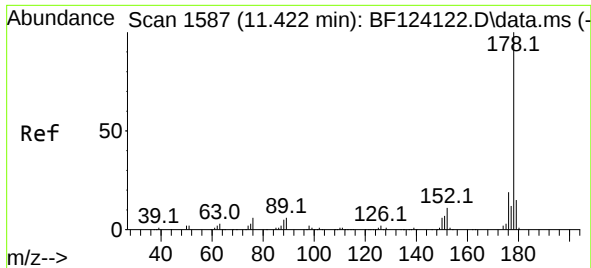


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



Tgt Ion:188 Resp: 119135
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 10.2 8.2 12.2





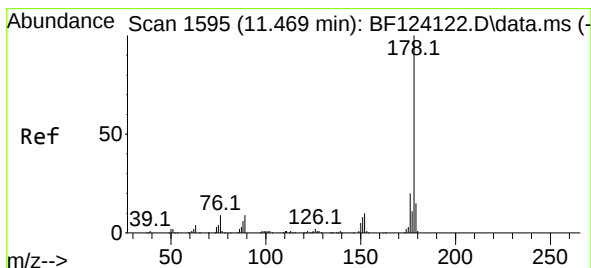
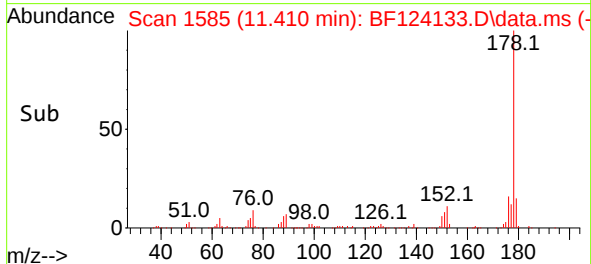
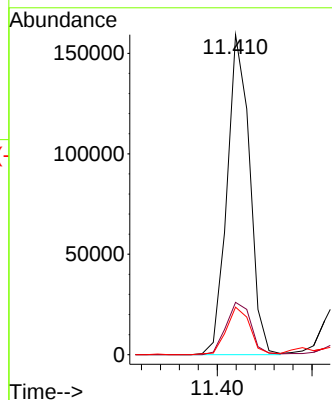
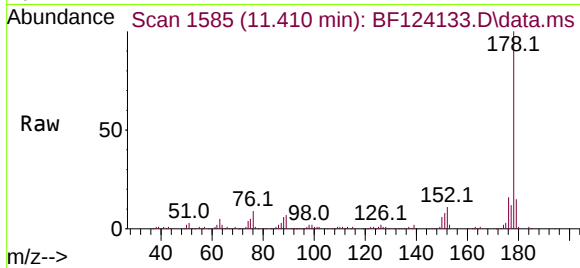
#71
Phenanthrene
Concen: 17.75 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:178 Resp: 132129
Ion Ratio Lower Upper
178 100
176 16.4 15.6 23.4
179 14.9 12.5 18.7

Instrument :
BNA_F
ClientSampleId :
18-B4(2-4)

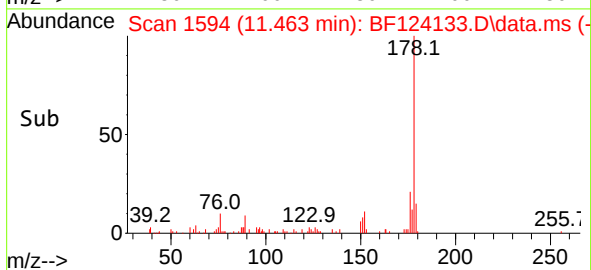
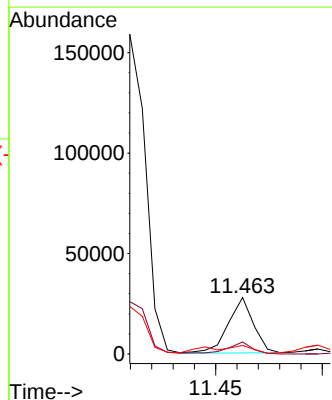
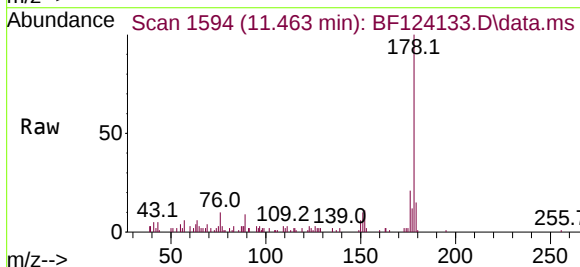
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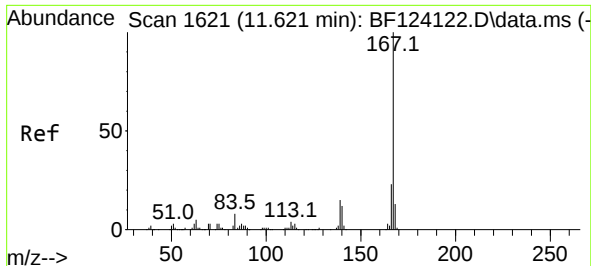
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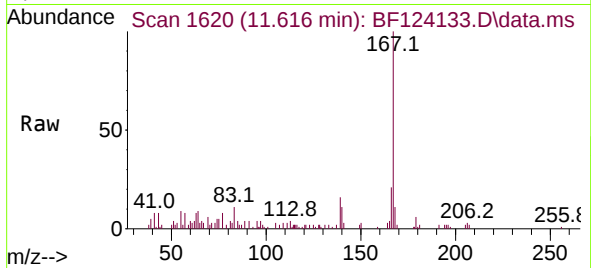
#72
Anthracene
Concen: 3.05 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:178 Resp: 22835
Ion Ratio Lower Upper
178 100
176 21.2 15.4 23.0
179 14.9 12.6 18.8

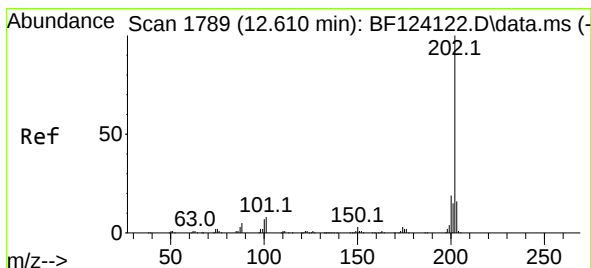
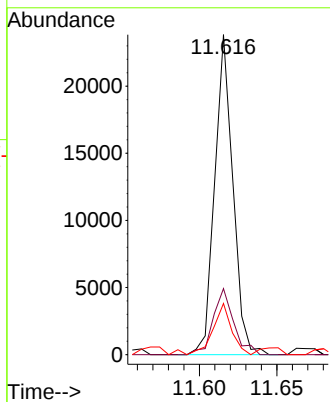
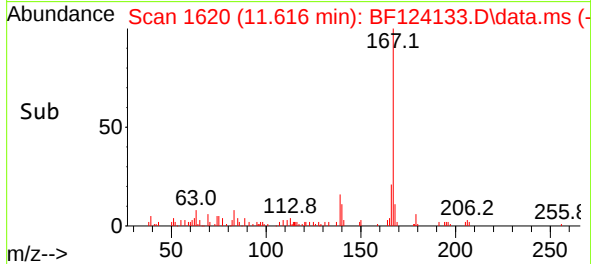




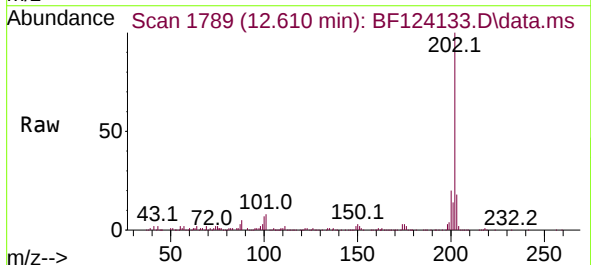
#73
 Carbazole
 Concen: 2.98 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF124133.D
 Acq: 4 Jun 2021 11:32



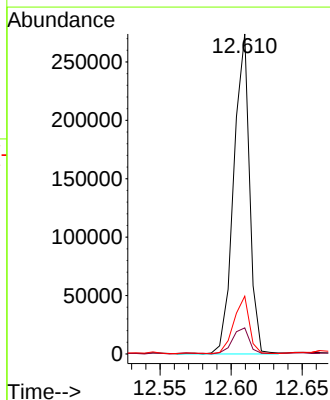
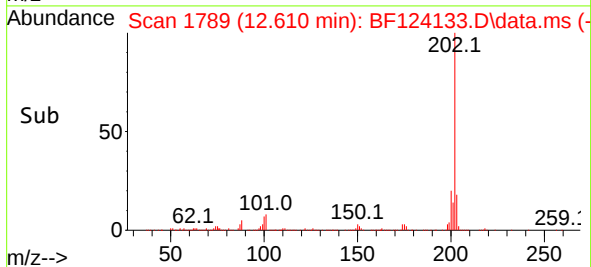
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.6
139	16.0	10.4	15.6



#75
 Fluoranthene
 Concen: 27.31 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF124133.D
 Acq: 4 Jun 2021 11:32



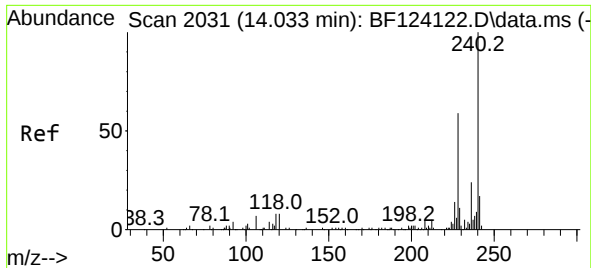
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	30.9
203	18.1	0.0	37.5



Instrument :
 BNA_F
 ClientSampleId :
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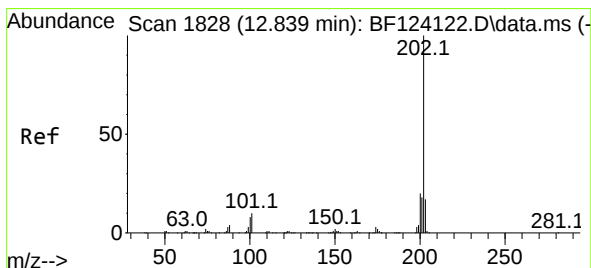
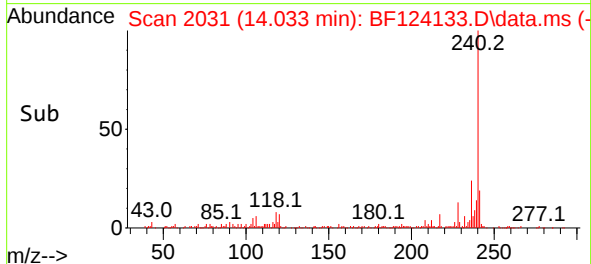
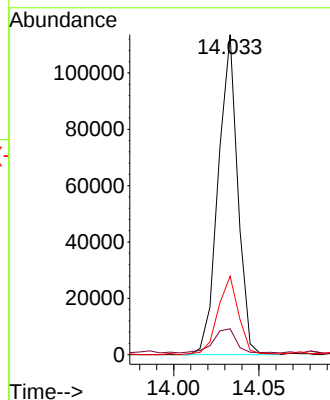
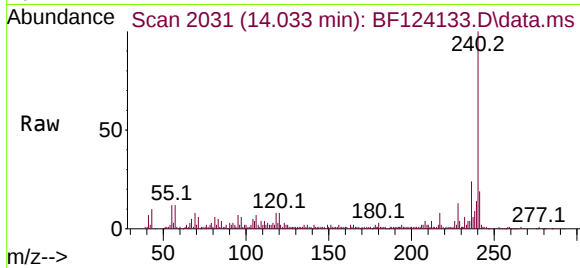
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:240 Resp: 90174
Ion Ratio Lower Upper
240 100
120 8.1 7.2 10.8
236 24.5 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
18-B4(2-4)

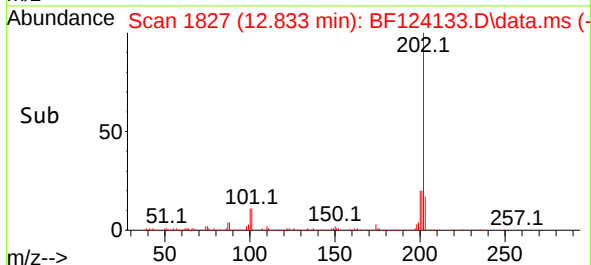
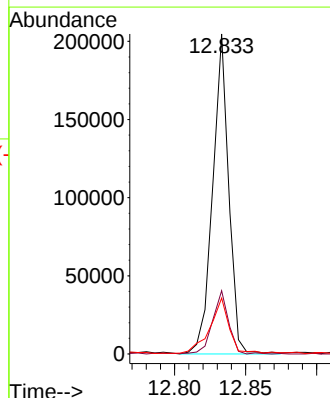
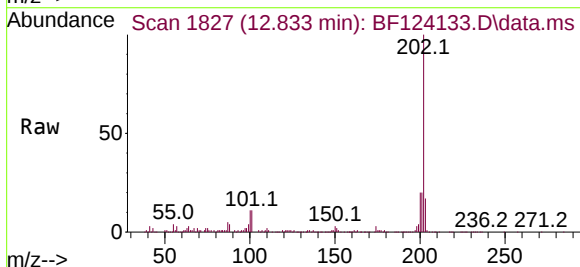
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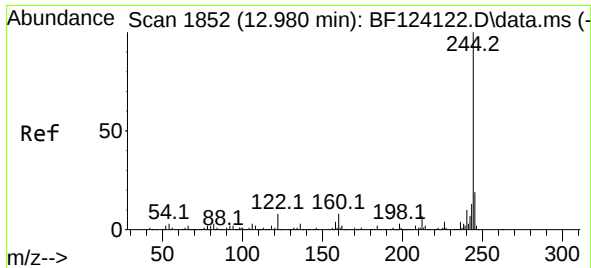
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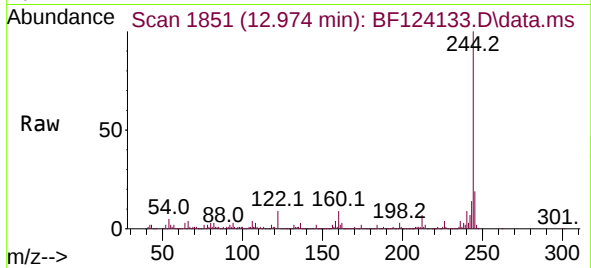
#78
Pyrene
Concen: 18.68 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:202 Resp: 161745
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.5 14.8 22.2

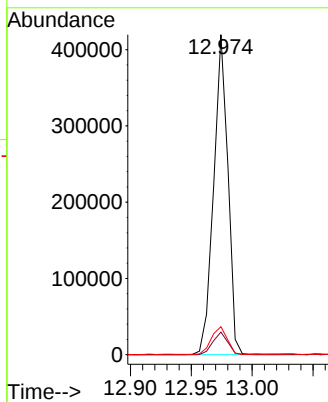
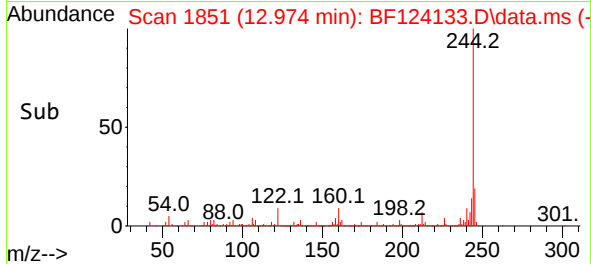




#79
Terphenyl-d14
Concen: 52.19 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



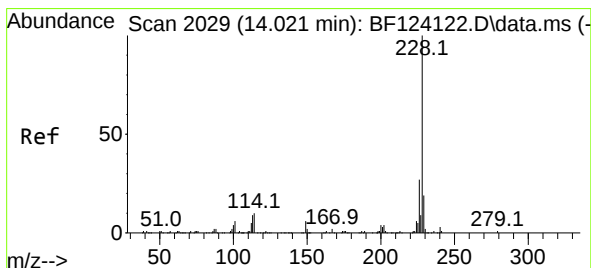
Tgt Ion:244 Resp: 342782
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 8.7 9.7 14.5#



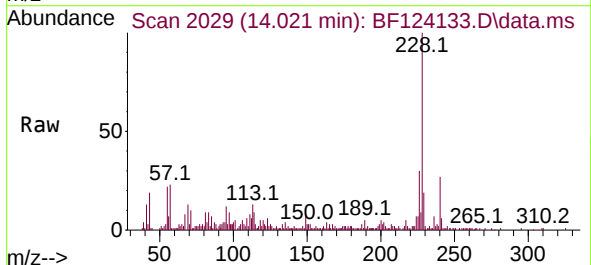
Instrument :
BNA_F
ClientSampleId :
18-B4(2-4)

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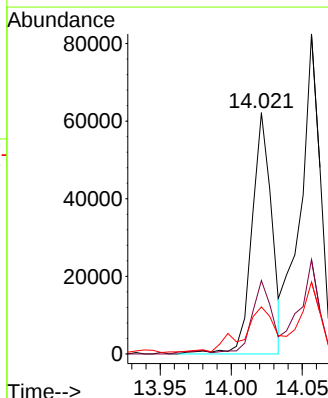
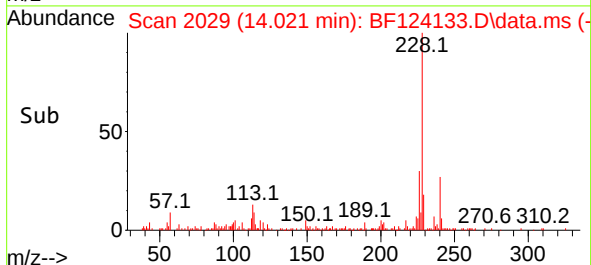
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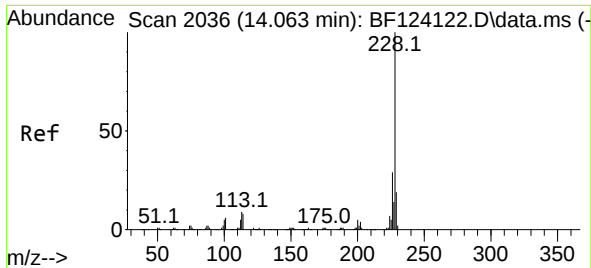


#81
Benzo(a)anthracene
Concen: 9.19 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



Tgt Ion:228 Resp: 60400
Ion Ratio Lower Upper
228 100
226 30.4 22.4 33.6
229 19.5 16.0 24.0





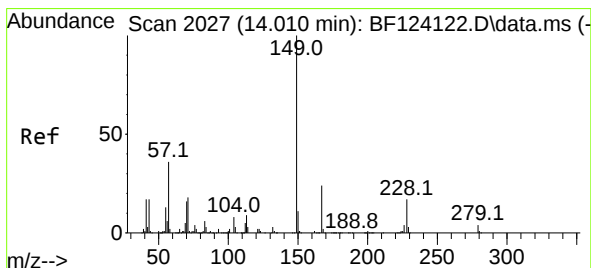
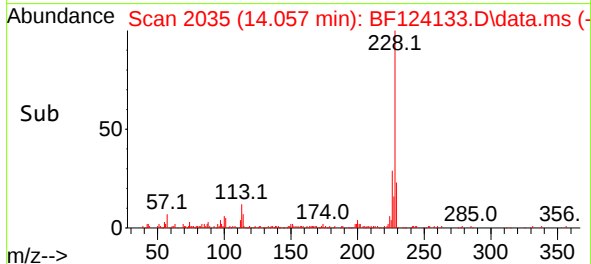
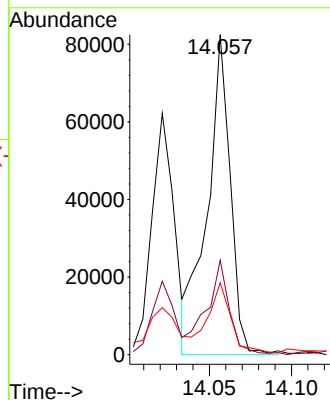
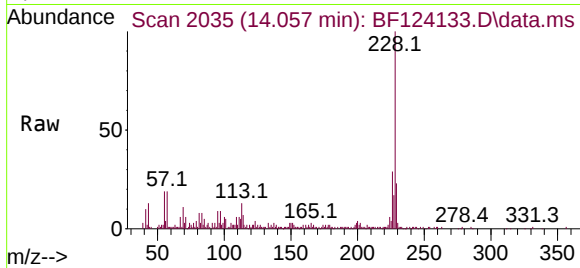
#83
Chrysene
Concen: 12.81 ng m
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:228 Resp: 81196
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 22.5 16.2 24.2

Instrument :
BNA_F
ClientSampled :
18-B4(2-4)

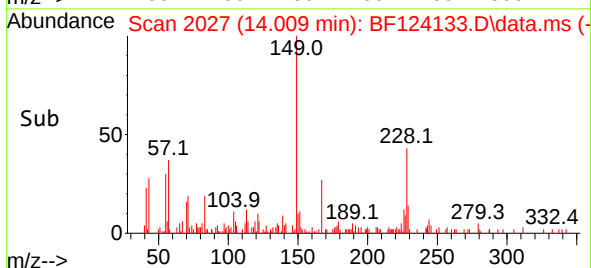
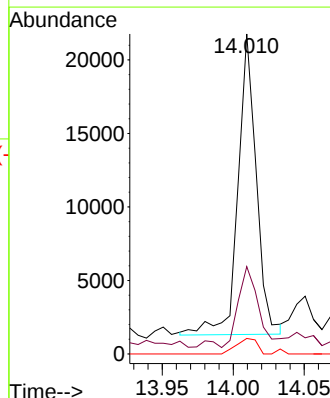
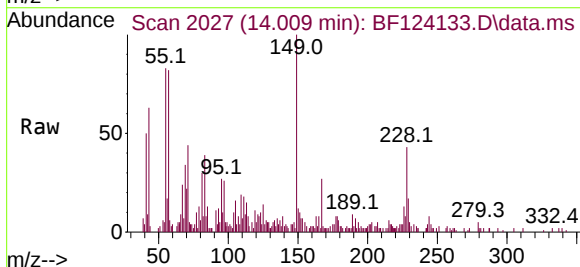
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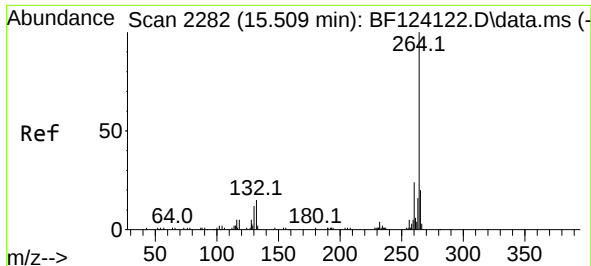
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.41 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:149 Resp: 18444
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.6
279 4.9 3.3 4.9





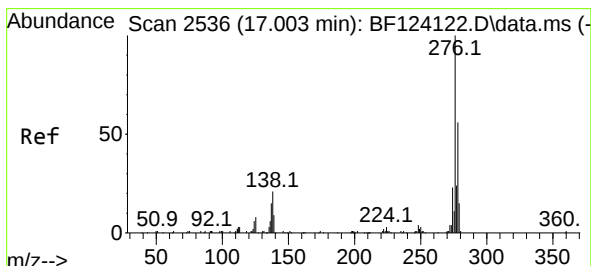
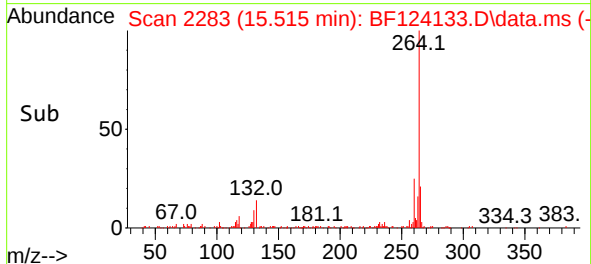
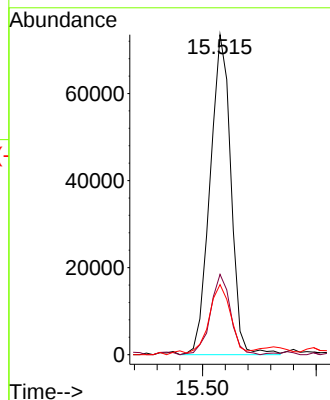
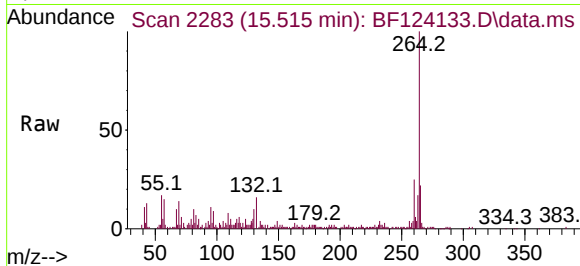
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:264 Resp: 93641
Ion Ratio Lower Upper
264 100
260 25.1 18.7 28.1
265 21.9 17.8 26.8

Instrument :
BNA_F
ClientSampleId :
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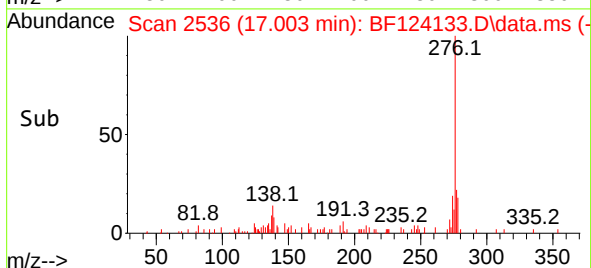
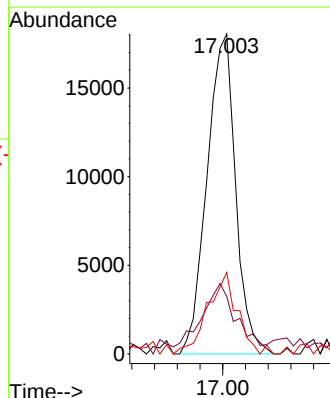
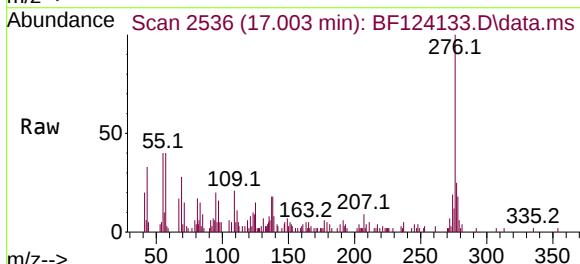
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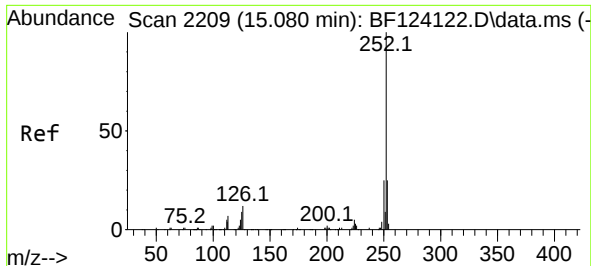
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#87
Indeno(1,2,3-cd)pyrene
Concen: 8.02 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:276 Resp: 31602
Ion Ratio Lower Upper
276 100
138 30.0 16.2 24.2#
277 26.6 20.1 30.1





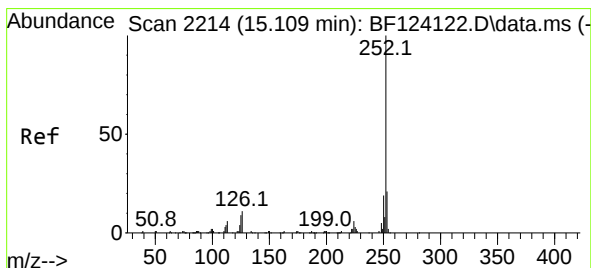
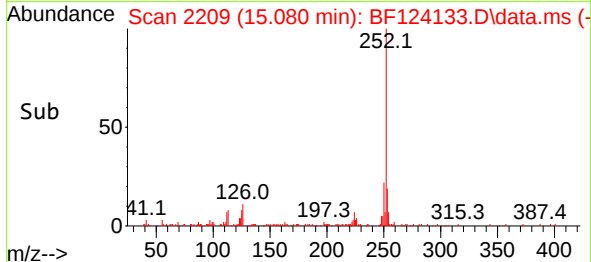
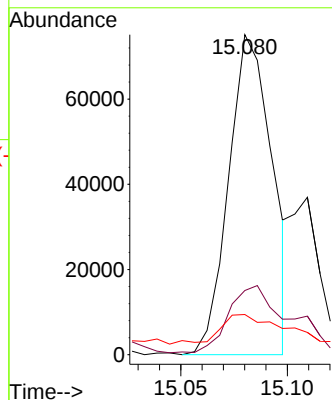
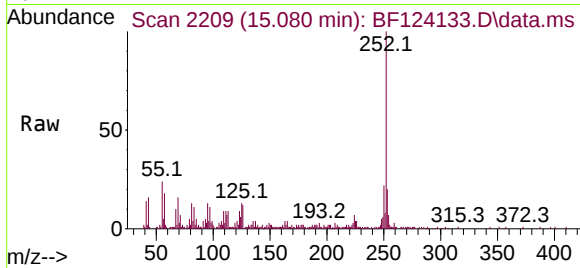
#88
Benzo(b)fluoranthene
Concen: 14.68 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:252 Resp: 106752
Ion Ratio Lower Upper
252 100
253 20.1 18.1 27.1
125 12.6 6.2 9.4#

Instrument :
BNA_F
ClientSampled :
18-B4(2-4)

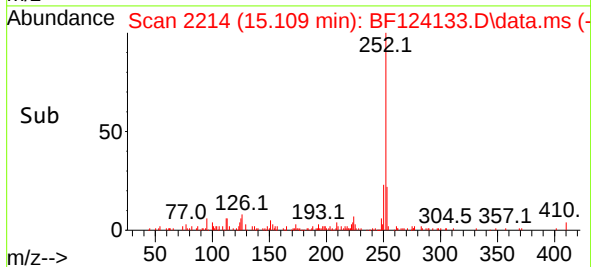
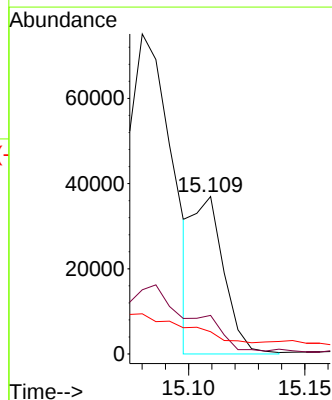
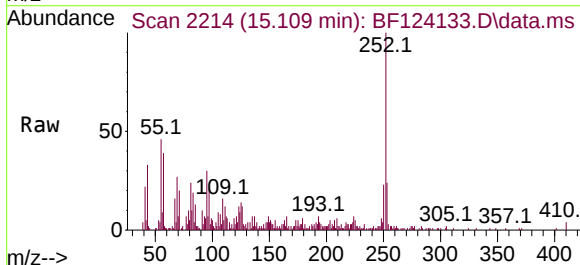
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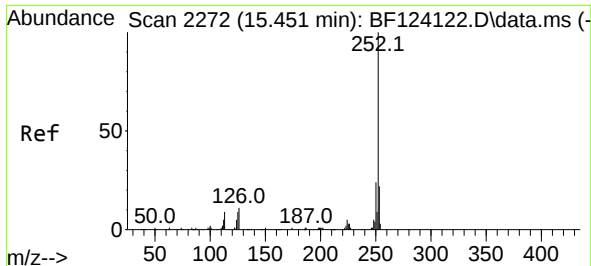
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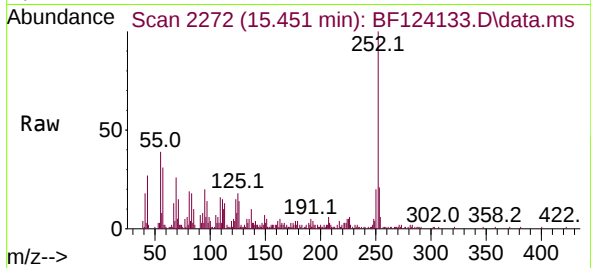
#89
Benzo(k)fluoranthene
Concen: 4.97 ng m
RT: 15.109 min Scan# 2214
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32

Tgt Ion:252 Resp: 34198
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 14.1 7.0 10.6#

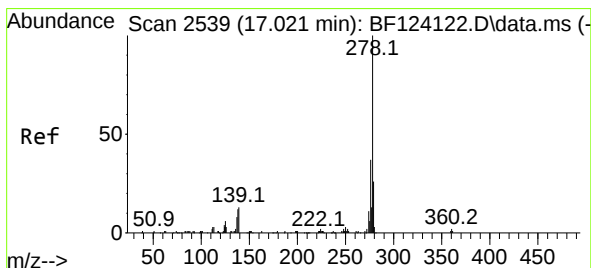
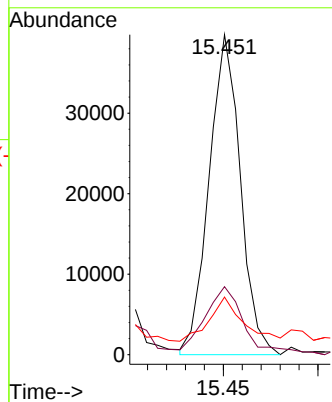
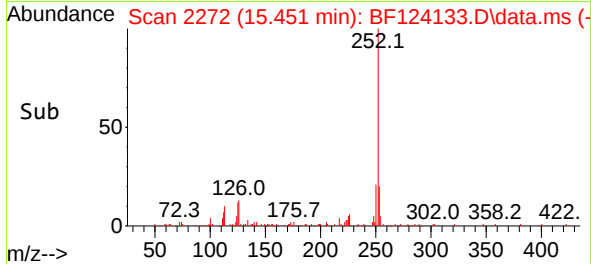




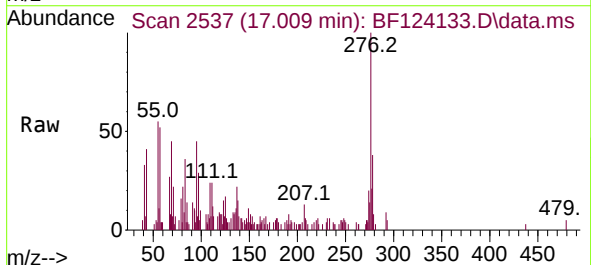
#90
Benzo(a)pyrene
Concen: 7.22 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



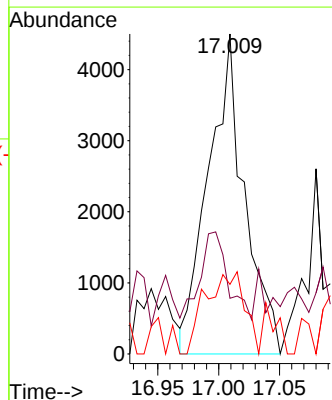
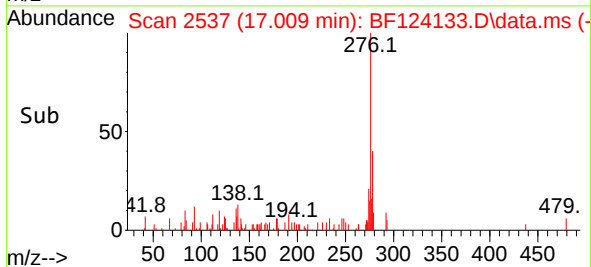
Tgt Ion:252 Resp: 45640
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 18.0 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 5.45 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



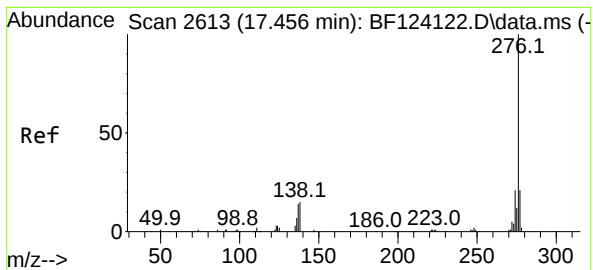
Tgt Ion:278 Resp: 9299
Ion Ratio Lower Upper
278 100
139 17.4 10.2 15.2#
279 21.8 19.4 29.0



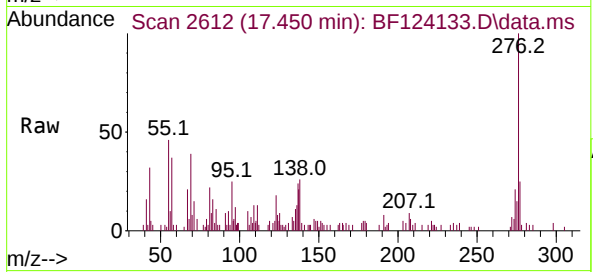
Instrument :
BNA_F
ClientSampleId :
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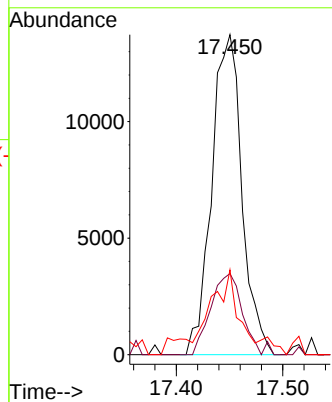
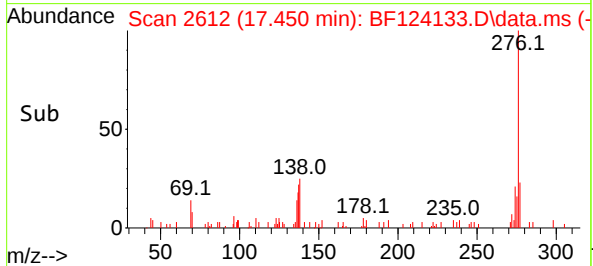
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#92
Benzo(g,h,i)perylene
Concen: 7.60 ng
RT: 17.450 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF124133.D
Acq: 4 Jun 2021 11:32



Tgt Ion: 276 Resp: 27021
Ion Ratio Lower Upper
276 100
277 25.3 18.2 27.2
138 26.5 13.8 20.6#



Instrument :
BNA_F
ClientSampleId :
18-B4(2-4)

Manual Integrations
APPROVED

mohammad
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