

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124195.D
 Acq On : 8 Jun 2021 23:29
 Operator : JU/CG
 Sample : M2589-12RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B10(2-4)RE

Manual Integrations
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Quant Time: Jun 09 04:10:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	39534	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	136595	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	64668	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	104000	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	89504	20.000	ng	0.01
86) Perylene-d12	15.533	264	63234	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	7248	2.760	ng	0.03
7) Phenol-d6	6.510	99	68849	19.504	ng	0.00
23) Nitrobenzene-d5	7.428	82	200460	58.205	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.222	172	320860	62.436	ng	0.00
79) Terphenyl-d14	12.980	244	316084	48.486	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	97928	11.991	ng	98
37) 2-Methylnaphthalene	8.857	142	30453	5.317	ng	88
38) 1-Methylnaphthalene	8.957	142	21543	4.025	ng	81
52) Acenaphthene	9.933	154	33579	7.960	ng	95
55) Dibenzofuran	10.104	168	40852	6.187	ng	95
58) Fluorene	10.451	166	31685	6.252	ng	# 97
71) Phenanthrene	11.416	178	426500	65.649	ng	97
72) Anthracene	11.469	178	93470	14.286	ng	95
73) Carbazole	11.622	167	35367	6.203	ng	95
75) Fluoranthene	12.616	202	523842	76.816	ng	97
78) Pyrene	12.845	202	475591	55.335	ng	99
81) Benzo(a)anthracene	14.033	228	204956	31.433	ng	97
83) Chrysene	14.068	228	164208	26.103	ng	95
84) Bis(2-ethylhexyl)phtha...	14.016	149	258044	62.219	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	53381	13.562	ng	98
88) Benzo(b)fluoranthene	15.098	252	166903m	33.978	ng	
89) Benzo(k)fluoranthene	15.121	252	46796m	10.063	ng	
90) Benzo(a)pyrene	15.468	252	110558	25.913	ng	# 93
91) Dibenzo(a,h)anthracene	17.045	278	16549	7.539	ng	# 70
92) Benzo(g,h,i)perylene	17.492	276	56613	15.566	ng	97

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

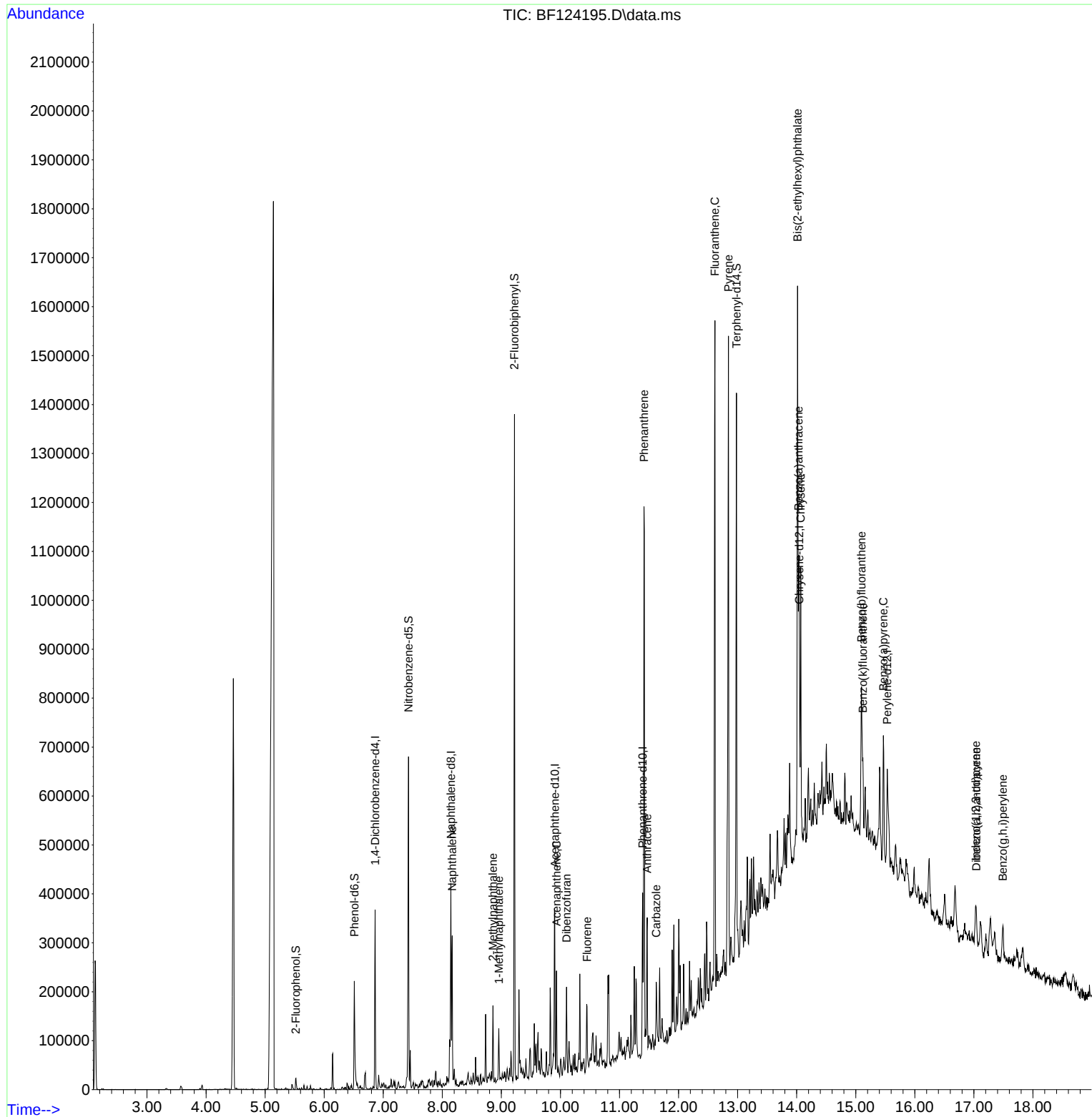
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124195.D
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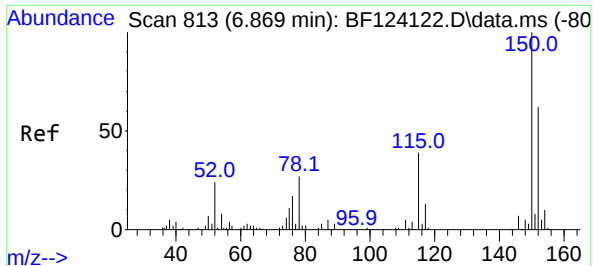
Instrument :
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18-B10(2-4)RE

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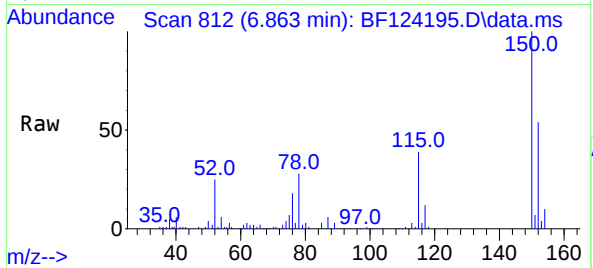
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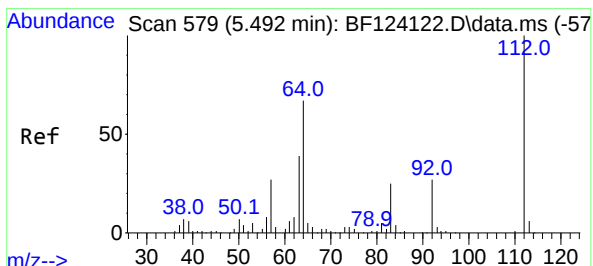
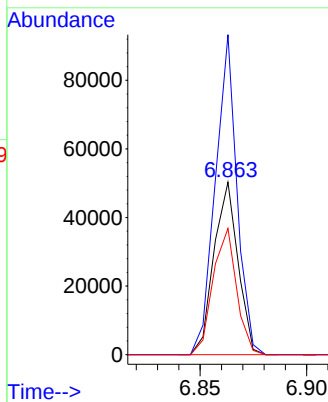
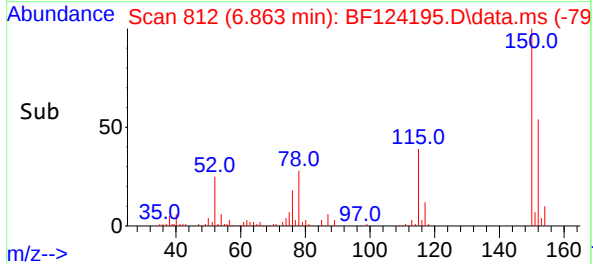




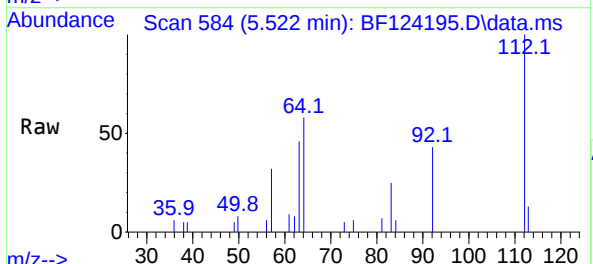
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



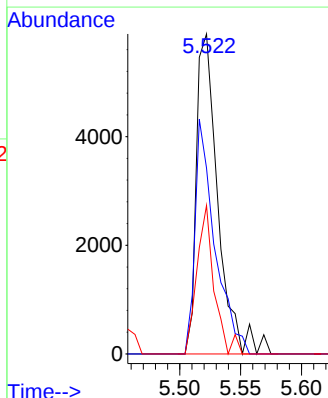
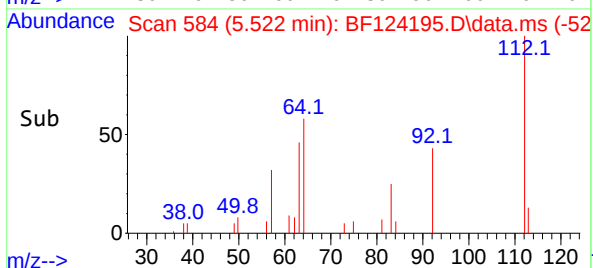
Tgt Ion:152 Resp: 39534
Ion Ratio Lower Upper
152 100
150 185.6 127.0 190.6
115 73.3 54.3 81.5



#5
2-Fluorophenol
Concen: 2.760 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.030 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



Tgt Ion:112 Resp: 7248
Ion Ratio Lower Upper
112 100
64 58.1 61.4 92.0#
63 46.4 33.0 49.4

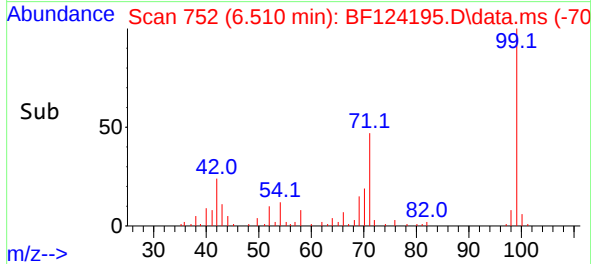
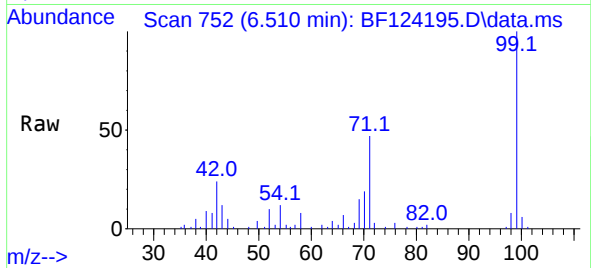
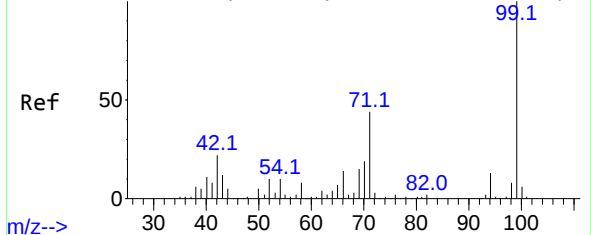


Instrument :
BNA_F
ClientSampled :
18-B10(2-4)RE

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Abundance Scan 752 (6.510 min): BF124122.D\data.ms (-74



#7

Phenol-d6

Concen: 19.504 ng

RT: 6.510 min Scan# 752

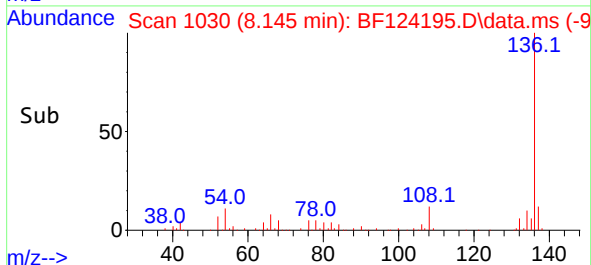
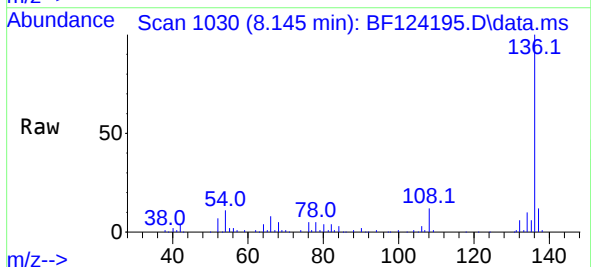
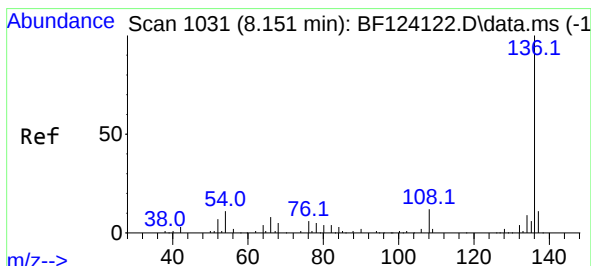
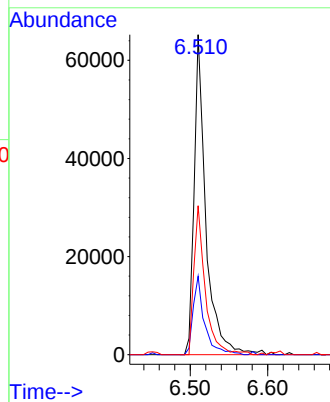
Delta R.T. 0.000 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

Tgt Ion: 99 Resp: 68849

Ion	Ratio	Lower	Upper
99	100		
42	24.5	19.8	29.8
71	46.5	31.1	46.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1030

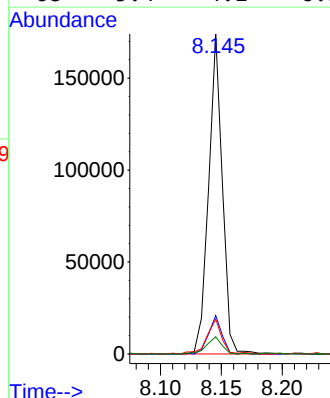
Delta R.T. -0.006 min

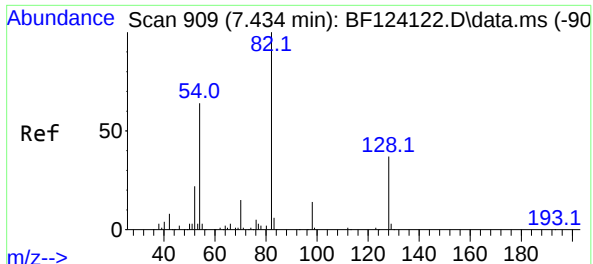
Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

Tgt Ion: 136 Resp: 136595

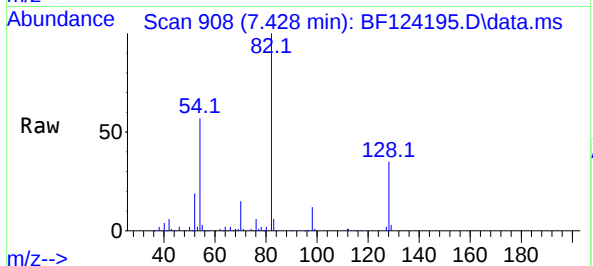
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.7	13.1
54	10.9	9.8	14.6
68	5.4	4.1	6.1





#23
Nitrobenzene-d5
Concen: 58.205 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

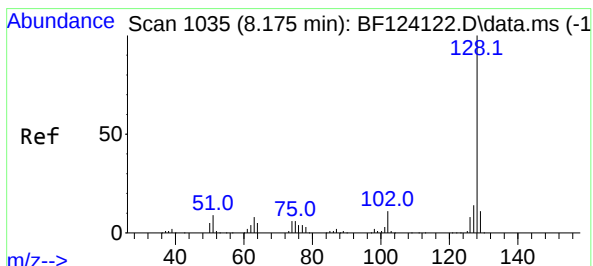
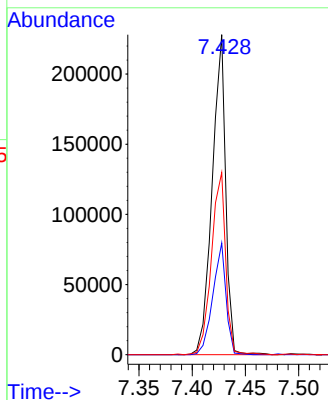
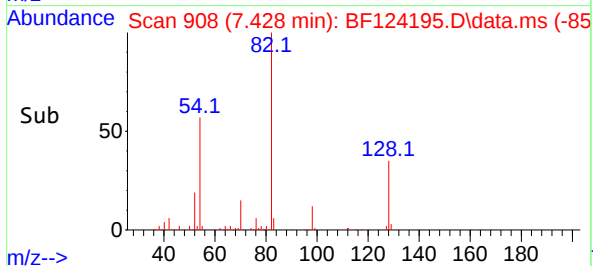
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE



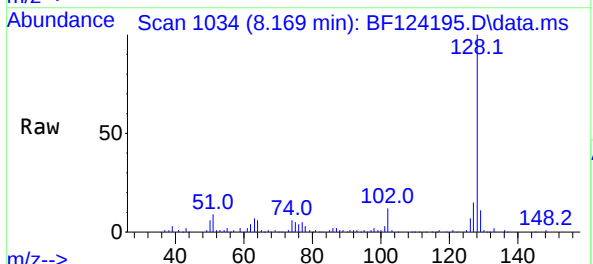
Tgt Ion: 82 Resp: 200460
Ion Ratio Lower Upper
82 100
128 34.9 29.4 44.2
54 56.9 54.1 81.1

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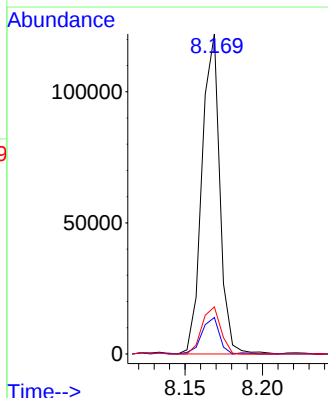
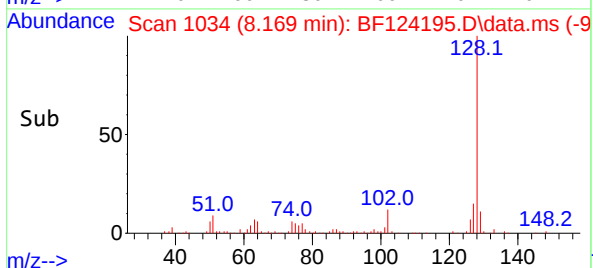
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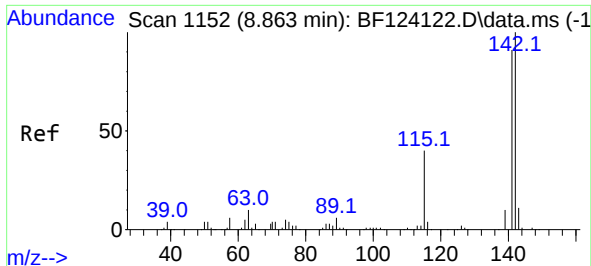


#31
Naphthalene
Concen: 11.991 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



Tgt Ion: 128 Resp: 97928
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 14.7 10.8 16.2





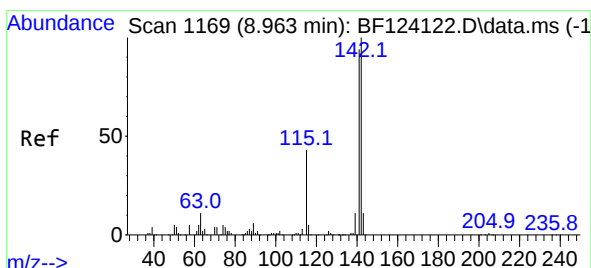
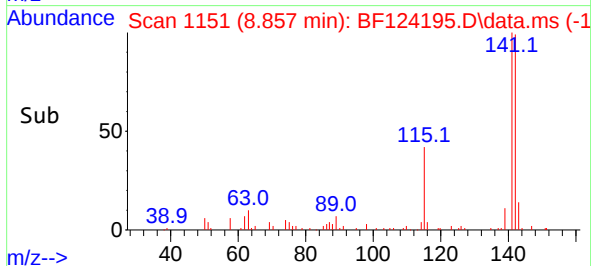
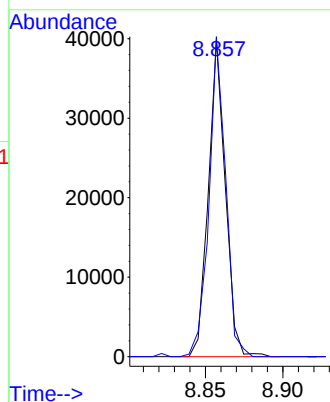
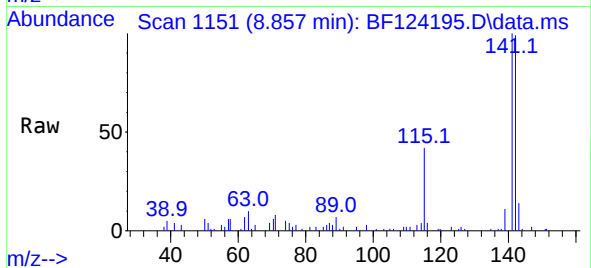
#37
2-Methylnaphthalene
Concen: 5.317 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:142 Resp: 30453
Ion Ratio Lower Upper
142 100
141 100.9 71.8 107.6

Instrument :
BNA_F
ClientSampled :
18-B10(2-4)RE

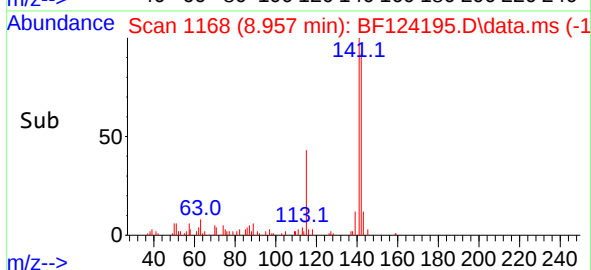
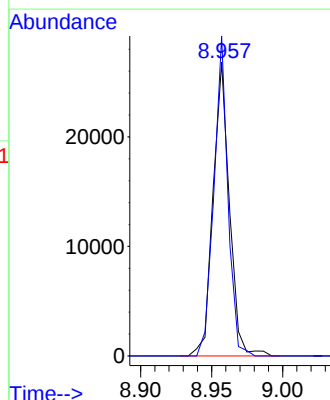
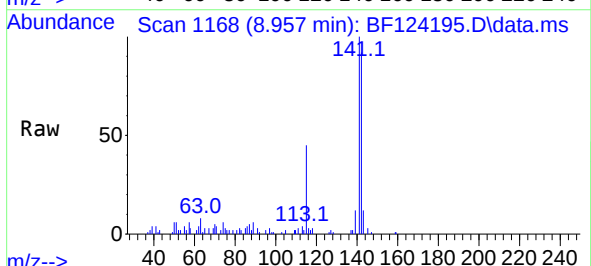
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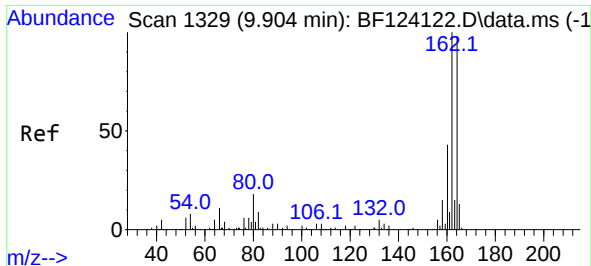
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#38
1-Methylnaphthalene
Concen: 4.025 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:142 Resp: 21543
Ion Ratio Lower Upper
142 100
141 109.0 72.8 109.2





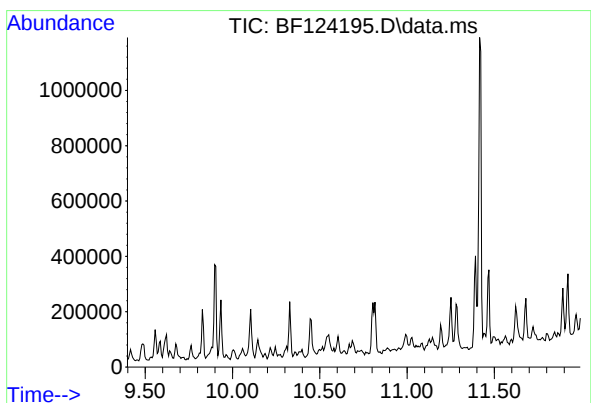
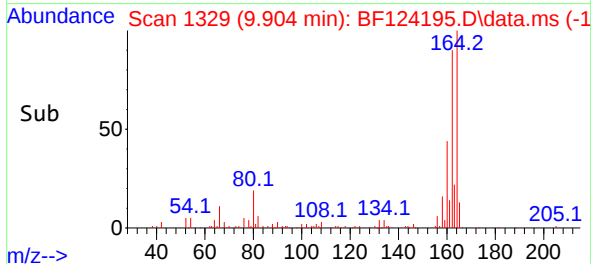
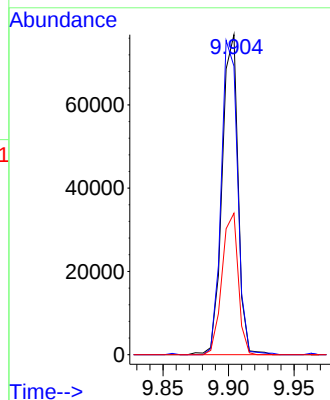
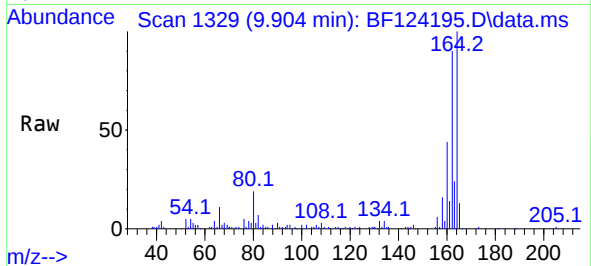
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:164 Resp: 64668
Ion Ratio Lower Upper
164 100
162 90.2 80.7 121.1
160 44.2 37.3 55.9

Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

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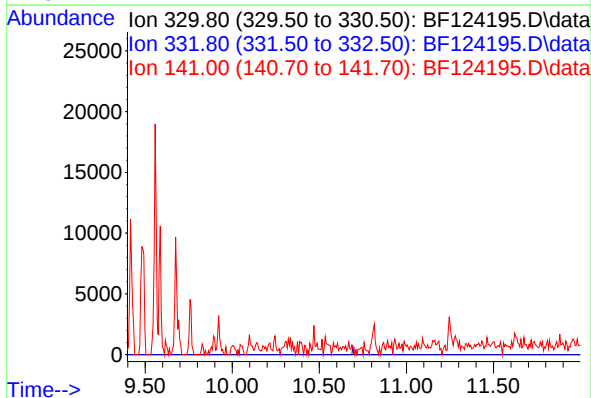
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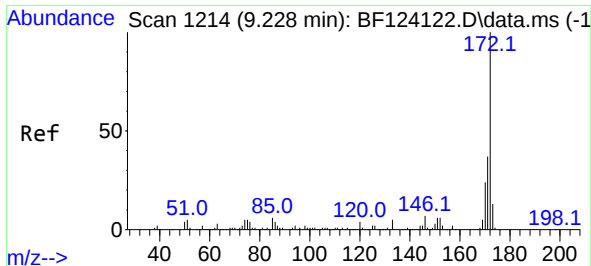


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.4
141 34.9





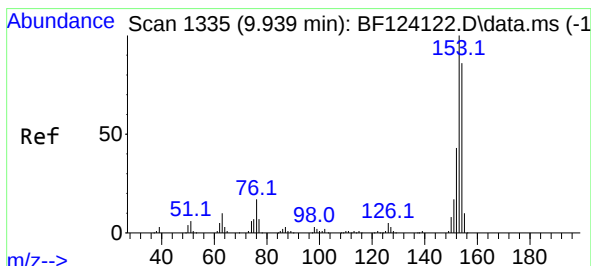
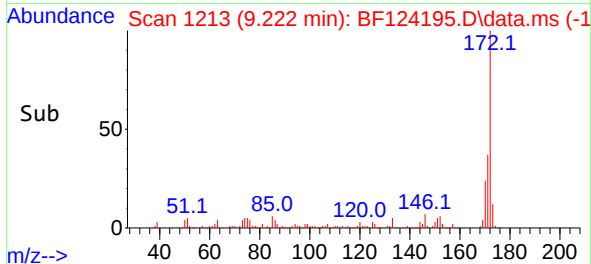
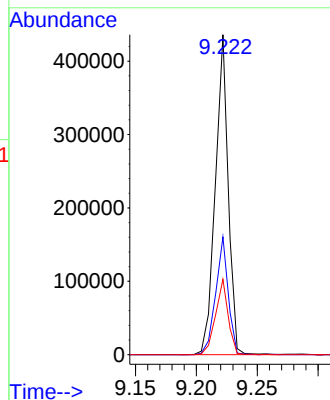
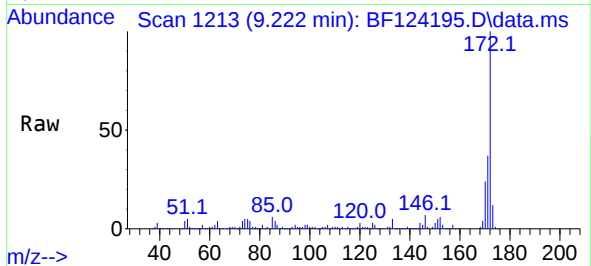
#45
2-Fluorobiphenyl
Concen: 62.436 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:172 Resp: 320860
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 23.6 19.2 28.8

Instrument :
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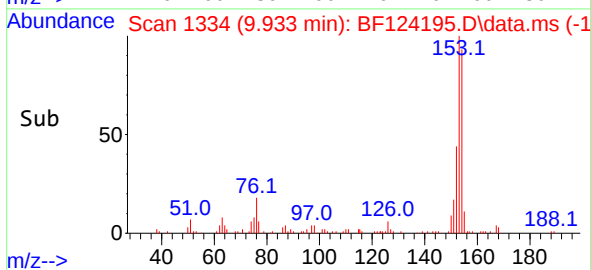
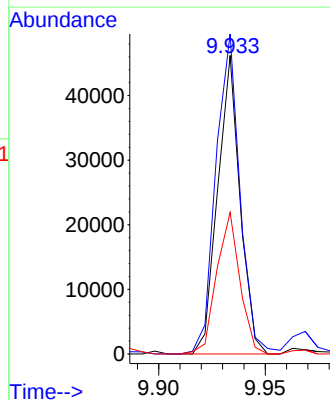
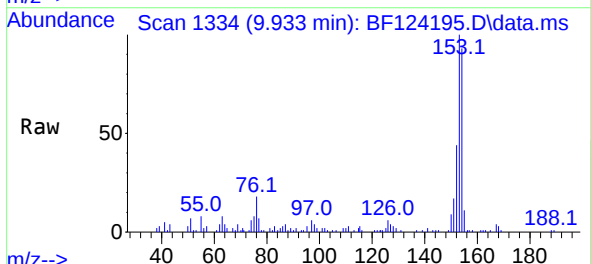
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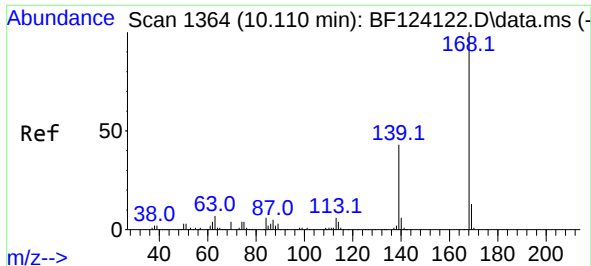
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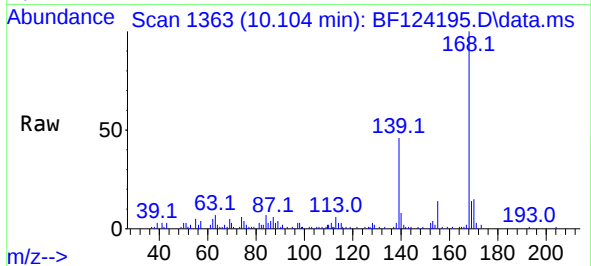
#52
Acenaphthene
Concen: 7.960 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:154 Resp: 33579
Ion Ratio Lower Upper
154 100
153 107.2 88.1 132.1
152 47.4 43.4 65.0

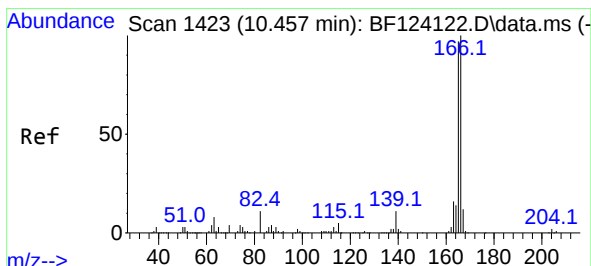
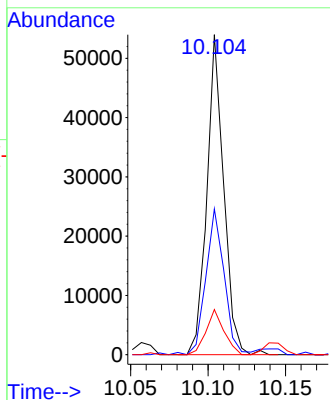
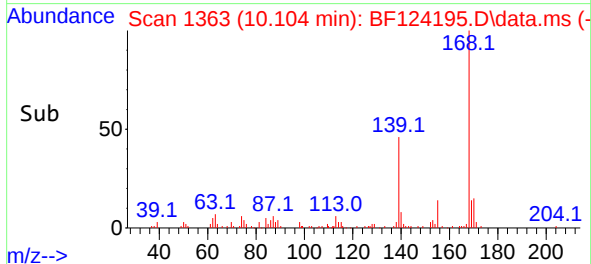




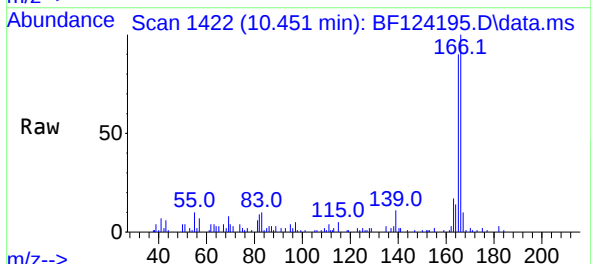
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Dibenzofuran
Concen: 6.187 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



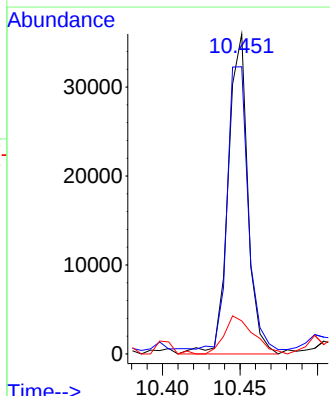
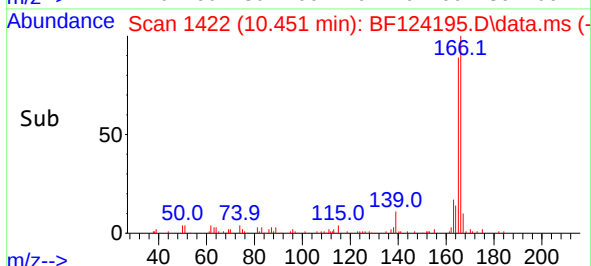
Tgt Ion:168 Resp: 40852
Ion Ratio Lower Upper
168 100
139 45.6 33.2 49.8
169 14.1 10.8 16.2



#58
Fluorene
Concen: 6.252 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



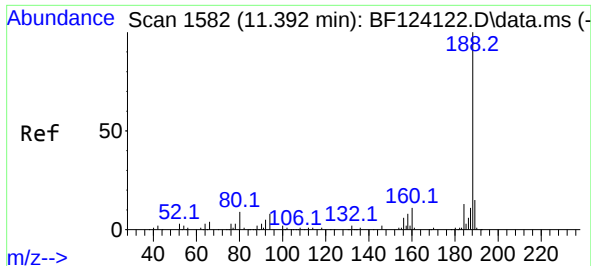
Tgt Ion:166 Resp: 31685
Ion Ratio Lower Upper
166 100
165 89.7 73.5 110.3
167 10.4 10.7 16.1#



Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

Manual Integrations
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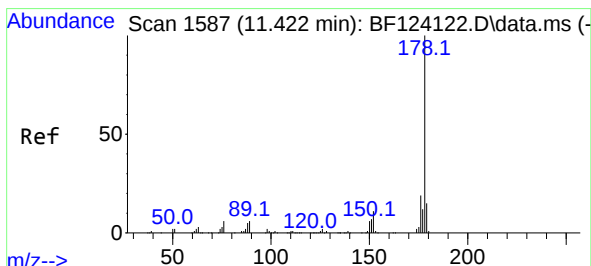
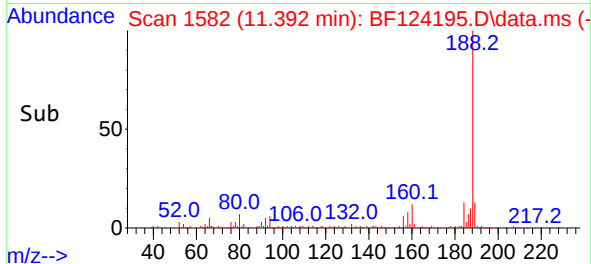
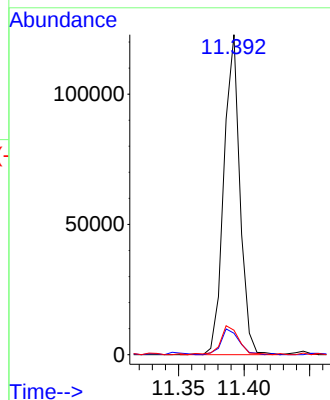
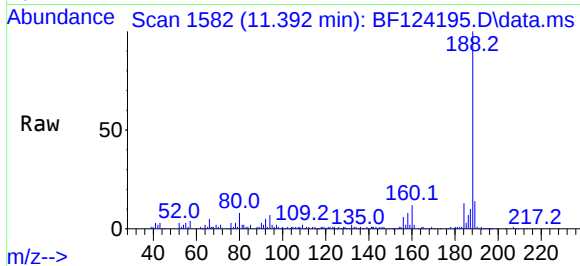
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:188 Resp: 104000
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 7.6 8.2 12.2#

Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

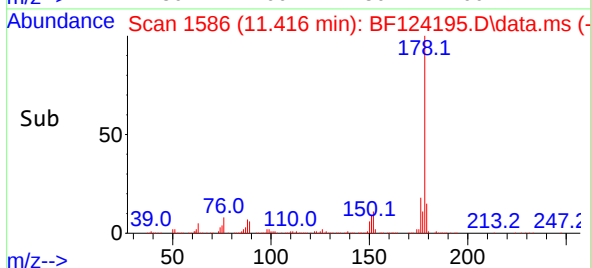
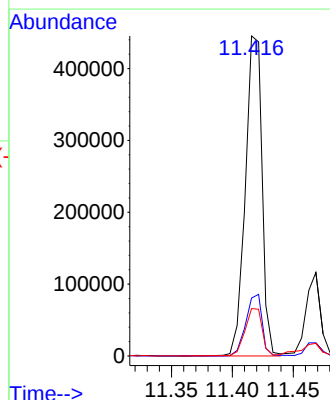
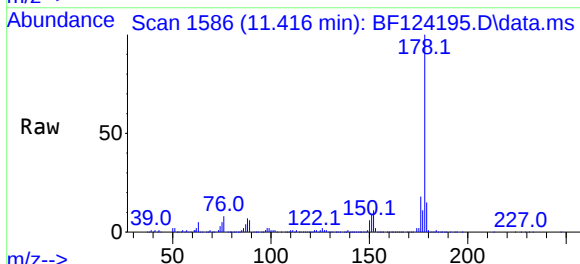
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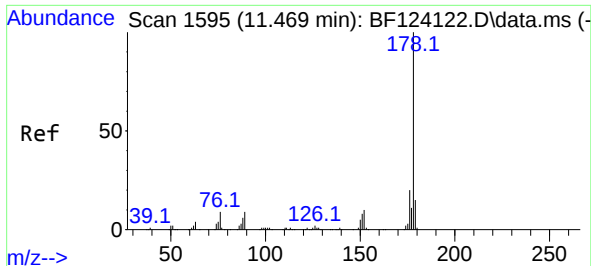
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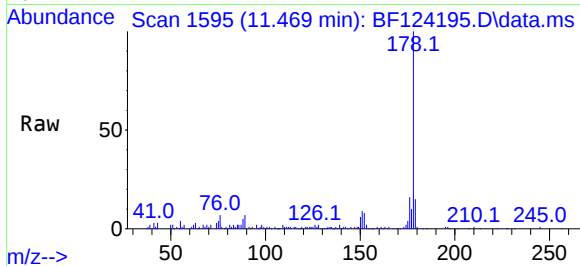
#71
Phenanthrene
Concen: 65.649 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:178 Resp: 426500
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 14.8 12.5 18.7

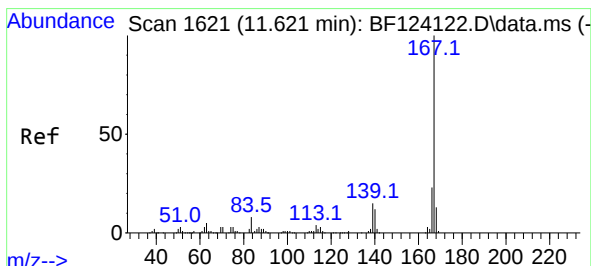
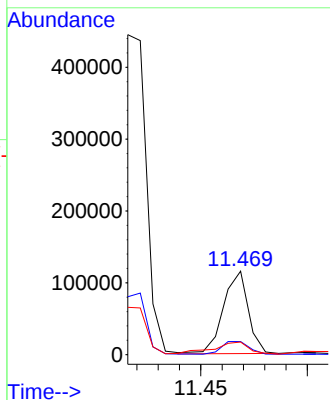
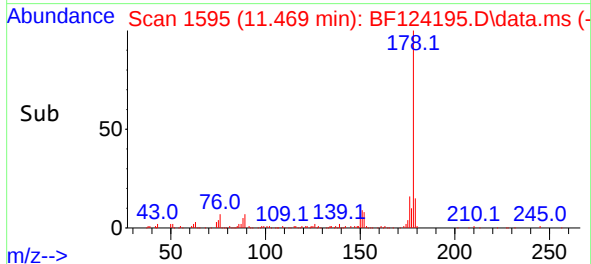




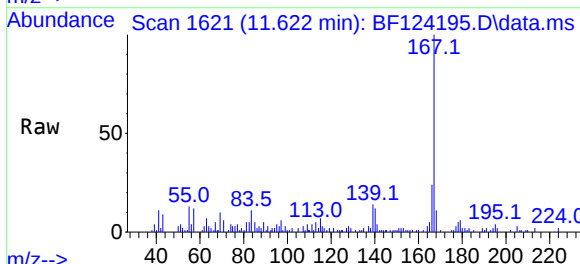
#72
 Anthracene
 Concen: 14.286 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. 0.000 min
 Lab File: BF124195.D
 Acq: 8 Jun 2021 23:29



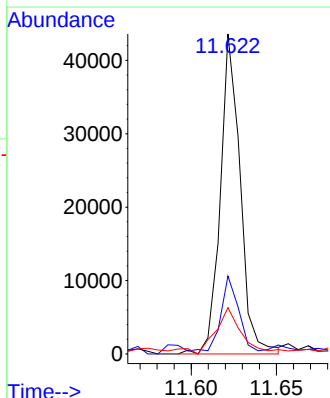
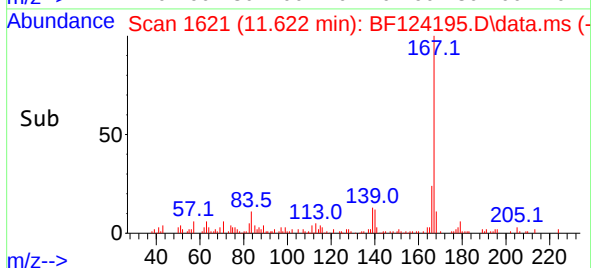
Tgt Ion:178 Resp: 93470
 Ion Ratio Lower Upper
 178 100
 176 15.8 15.4 23.0
 179 15.2 12.6 18.8



#73
 Carbazole
 Concen: 6.203 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF124195.D
 Acq: 8 Jun 2021 23:29



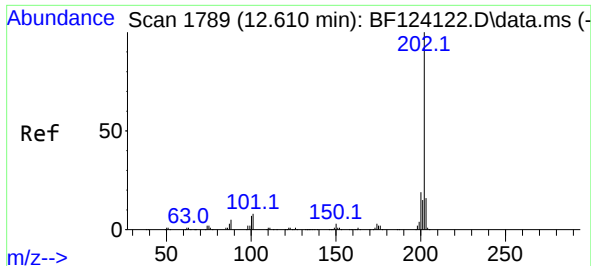
Tgt Ion:167 Resp: 35367
 Ion Ratio Lower Upper
 167 100
 166 24.4 17.0 25.6
 139 14.5 10.4 15.6



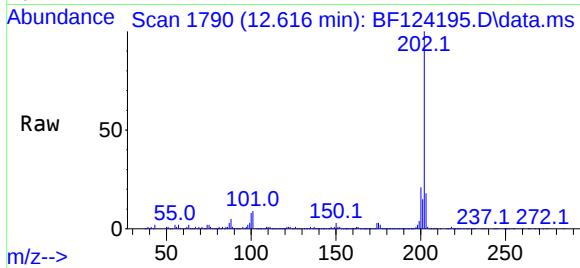
Instrument :
 BNA_F
 ClientSampleId :
 18-B10(2-4)RE

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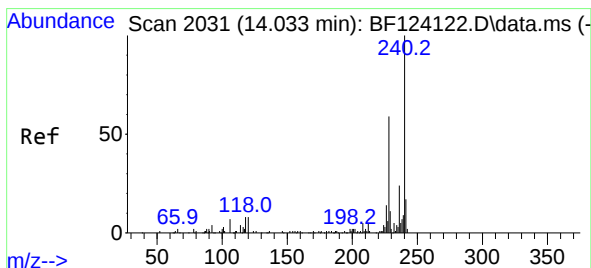
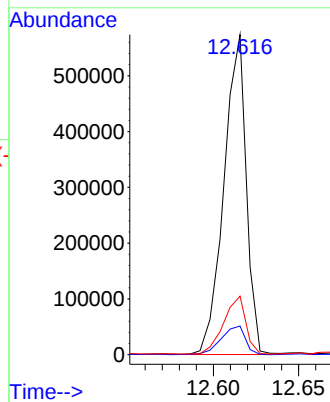
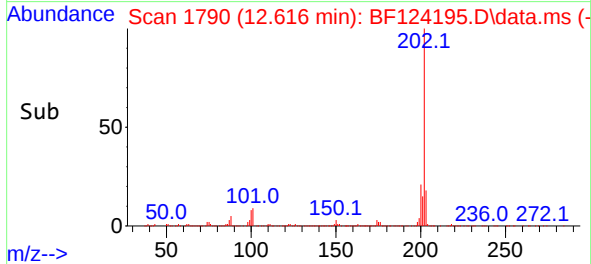
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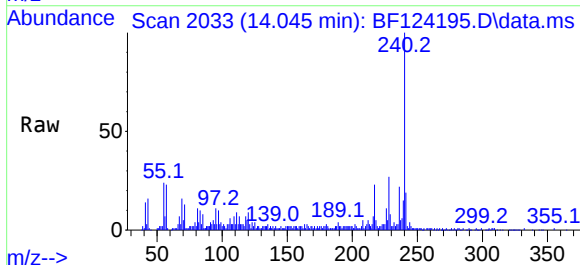
#75
Fluoranthene
Concen: 76.816 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



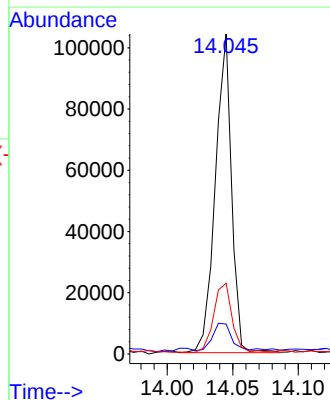
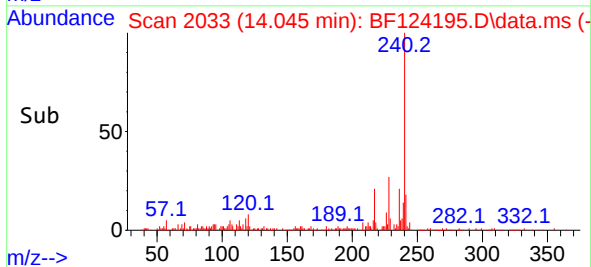
Tgt Ion:202 Resp: 523842
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.9
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



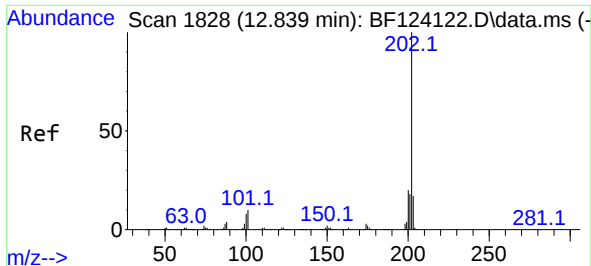
Tgt Ion:240 Resp: 89504
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 22.1 19.0 28.4



Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

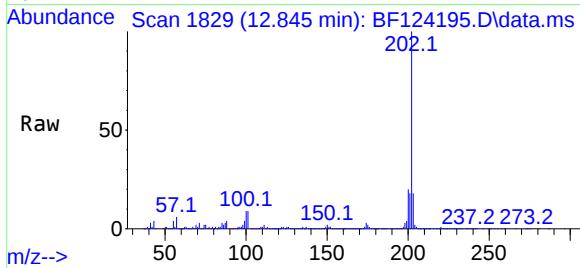
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#78
Pyrene
Concen: 55.335 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

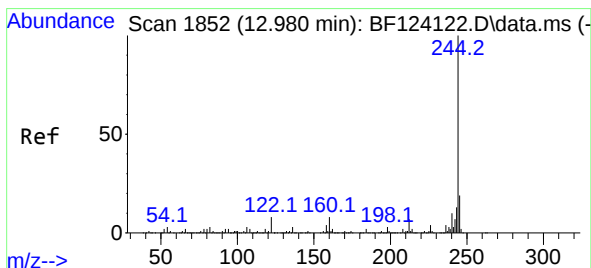
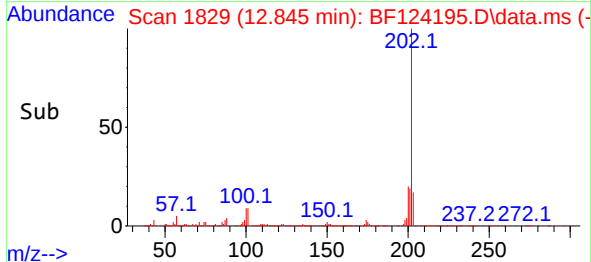
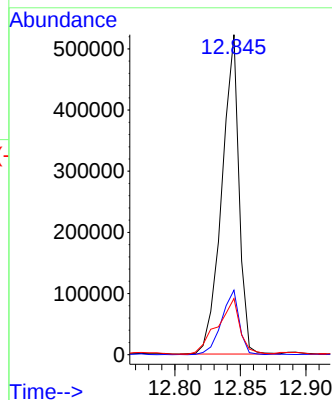
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE



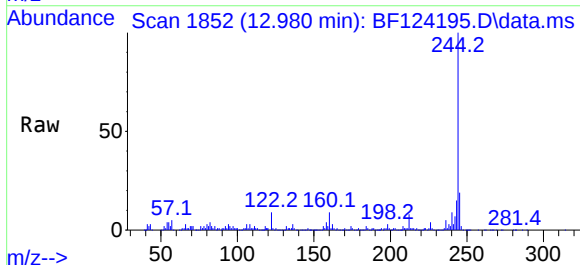
Tgt Ion:202 Resp: 475591
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 17.5 14.8 22.2

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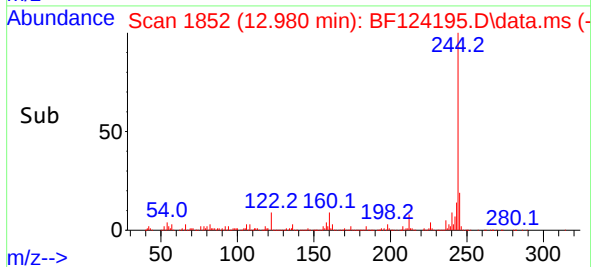
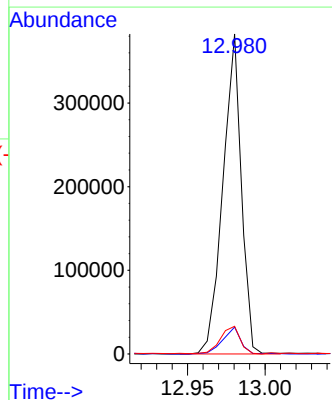
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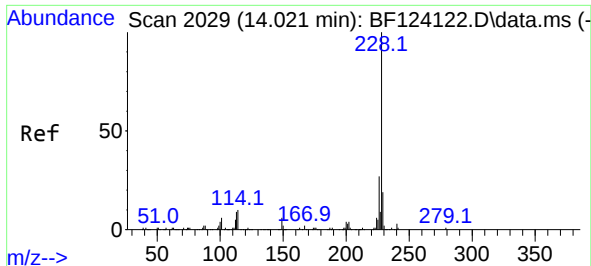


#79
Terphenyl-d14
Concen: 48.486 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

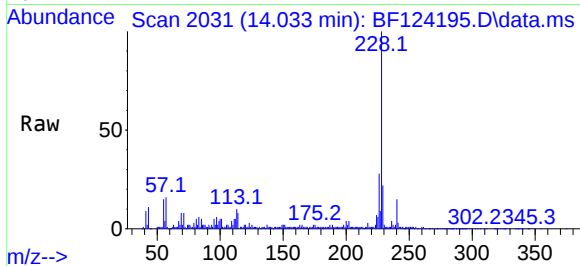


Tgt Ion:244 Resp: 316084
Ion Ratio Lower Upper
244 100
212 8.4 5.7 8.5
122 8.7 9.7 14.5#

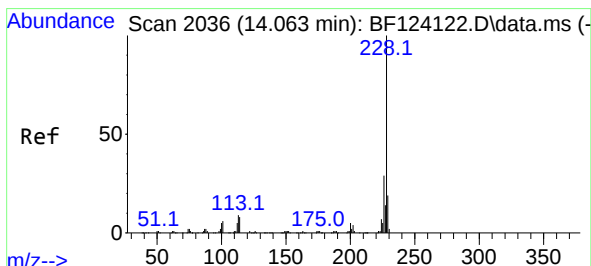
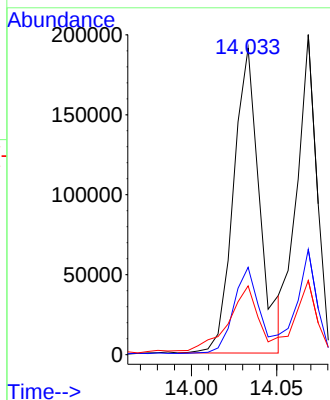
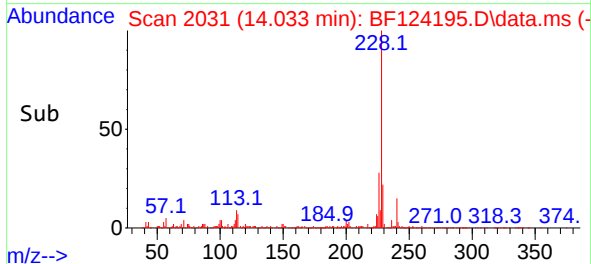




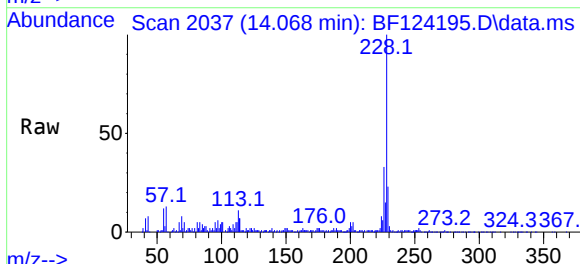
#81
Benzo(a)anthracene
Concen: 31.433 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



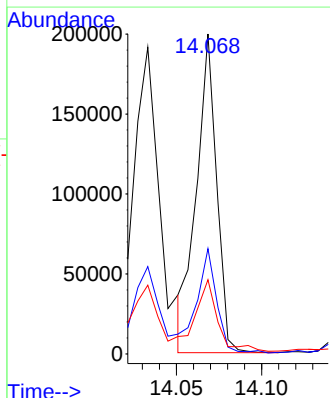
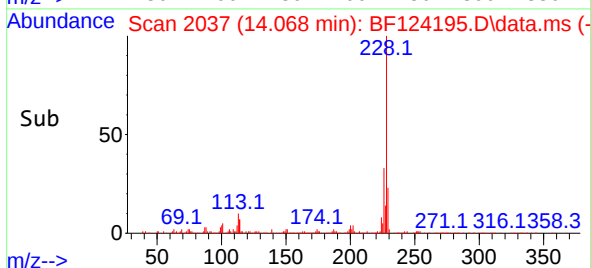
Tgt Ion:228 Resp: 204956
Ion Ratio Lower Upper
228 100
226 28.5 22.4 33.6
229 22.4 16.0 24.0



#83
Chrysene
Concen: 26.103 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



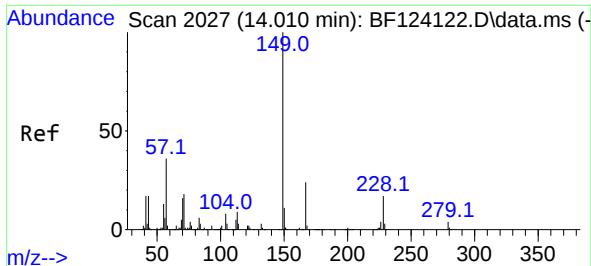
Tgt Ion:228 Resp: 164208
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 23.2 16.2 24.2



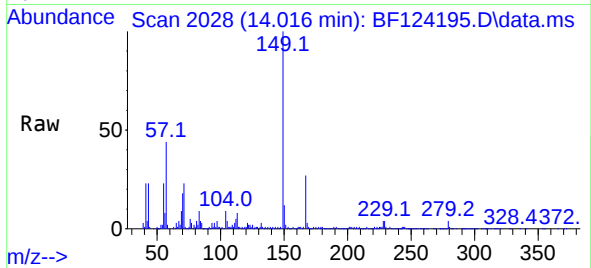
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

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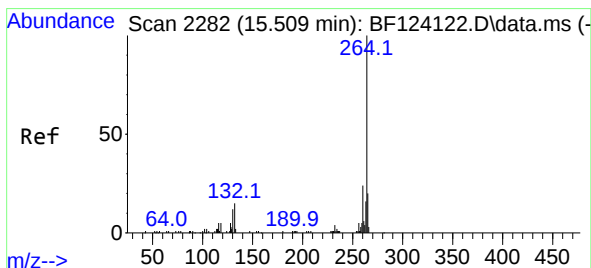
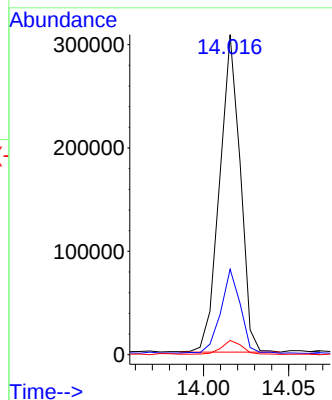
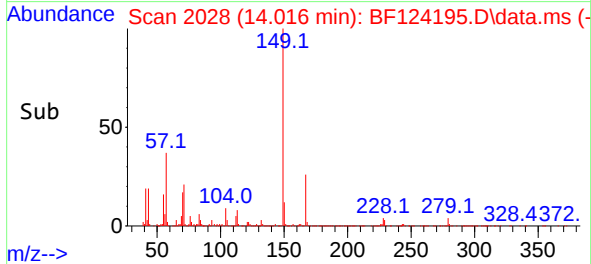
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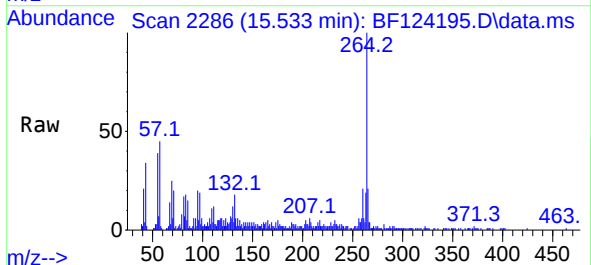
#84
Bis(2-ethylhexyl)phthalate
Concen: 62.219 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



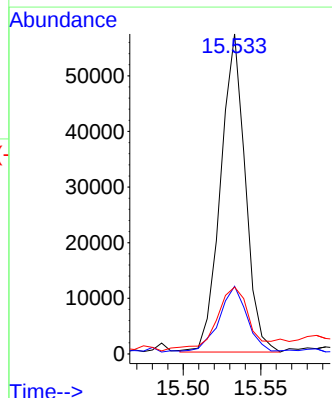
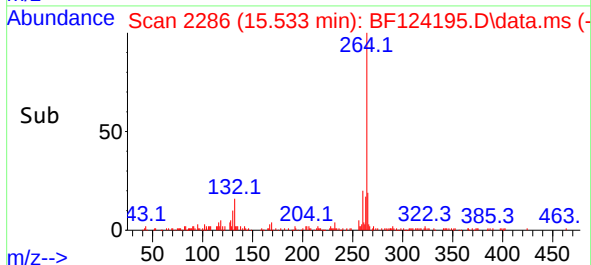
Tgt Ion:149 Resp: 258044
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.6
279 4.4 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.024 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



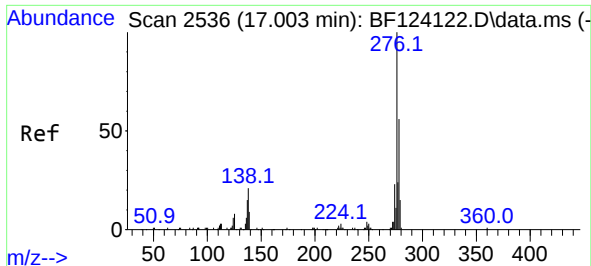
Tgt Ion:264 Resp: 63234
Ion Ratio Lower Upper
264 100
260 21.1 18.7 28.1
265 20.9 17.8 26.8



Instrument :
BNA_F
ClientSampled :
18-B10(2-4)RE

Manual Integrations
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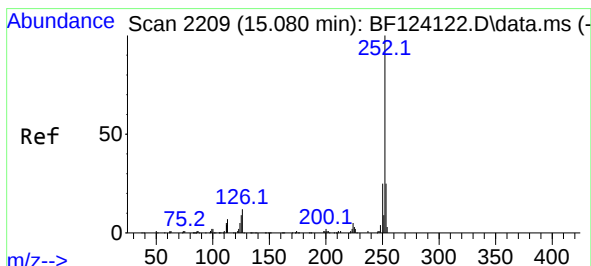
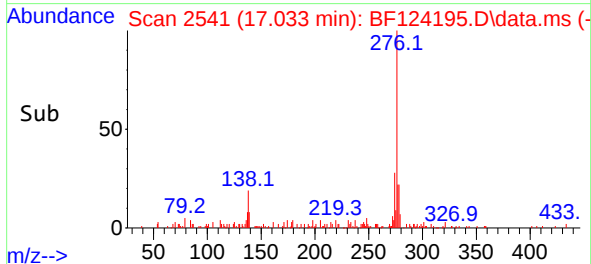
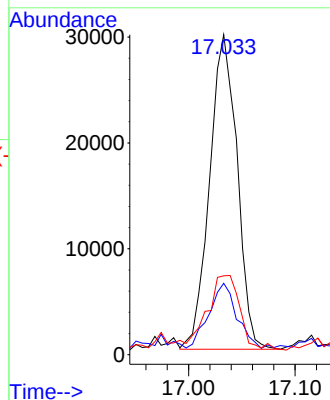
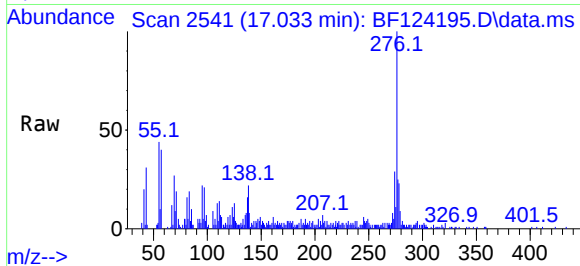
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.562 ng
RT: 17.033 min Scan# 2541
Delta R.T. 0.030 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:	276	Resp:	53381
Ion Ratio	Lower	Upper	
276	100		
138	20.8	16.2	24.2
277	26.6	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

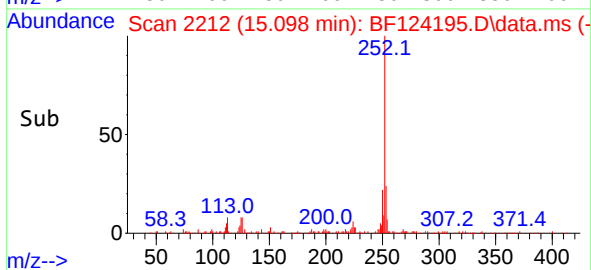
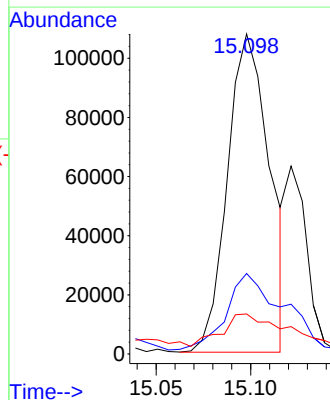
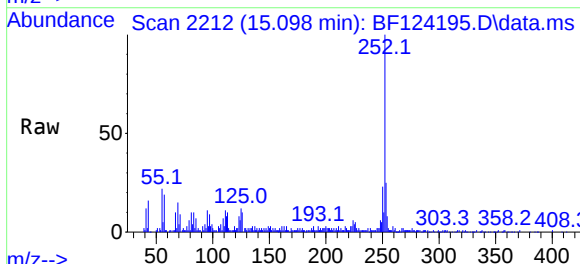
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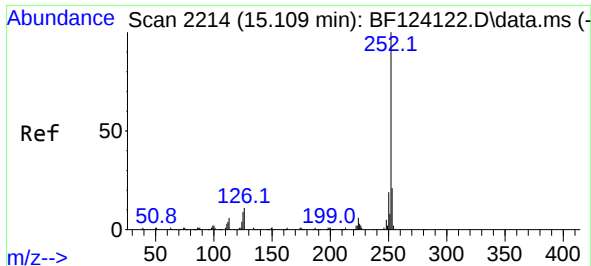
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#88
Benzo(b)fluoranthene
Concen: 33.978 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:	252	Resp:	166903
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.1	27.1
125	12.5	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 10.063 ng m

RT: 15.121 min Scan# 2216

Delta R.T. 0.012 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

Tgt Ion:	252	Resp:	46796
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.9	26.9
125	14.6	7.0	10.6#

Instrument :

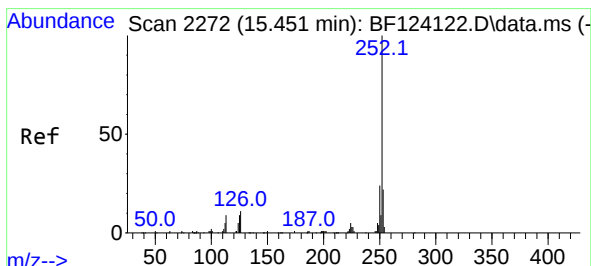
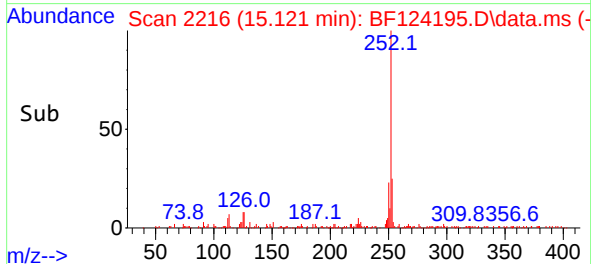
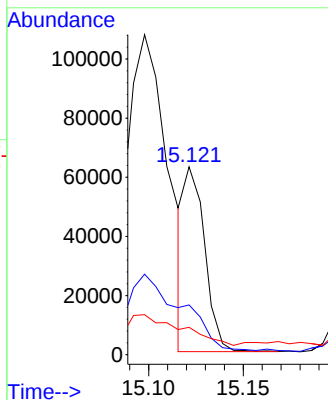
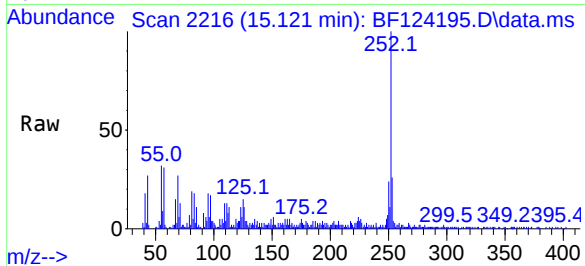
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 25.913 ng

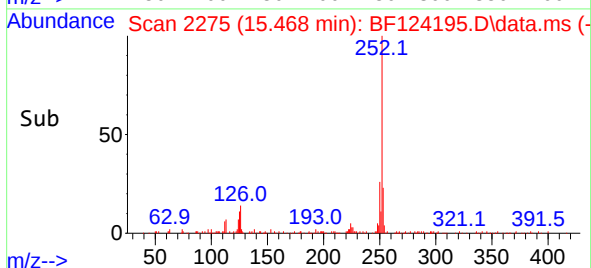
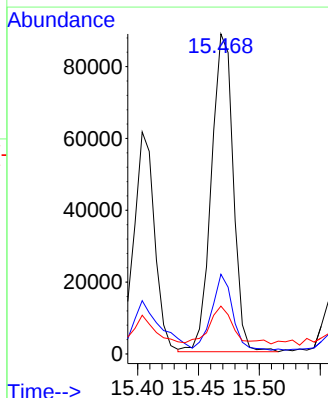
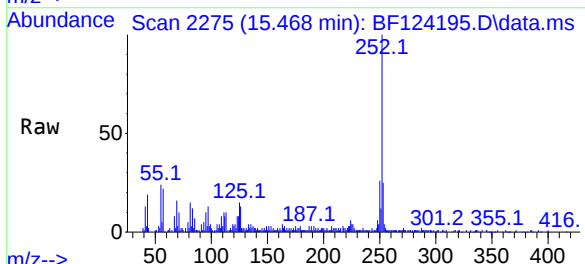
RT: 15.468 min Scan# 2275

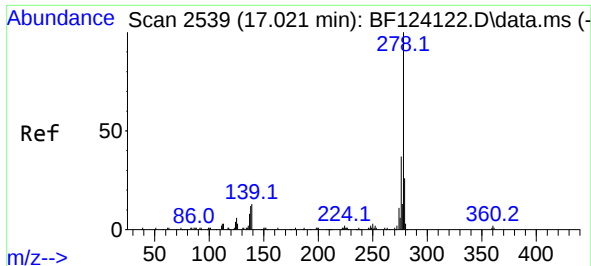
Delta R.T. 0.018 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

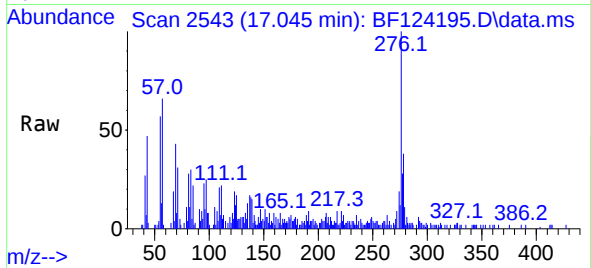
Tgt Ion:	252	Resp:	110558
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.4	27.6
125	15.0	8.0	12.0#





#91
Dibenzo(a,h)anthracene
Concen: 7.539 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.024 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

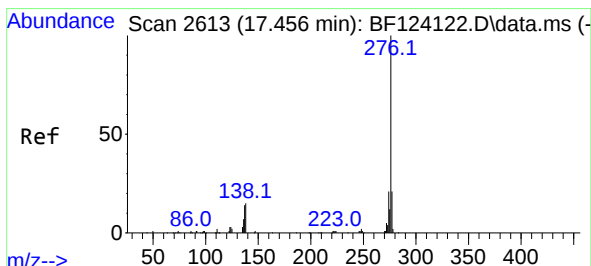
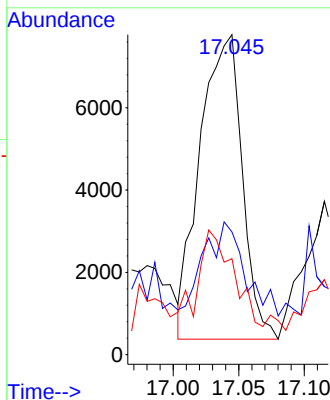
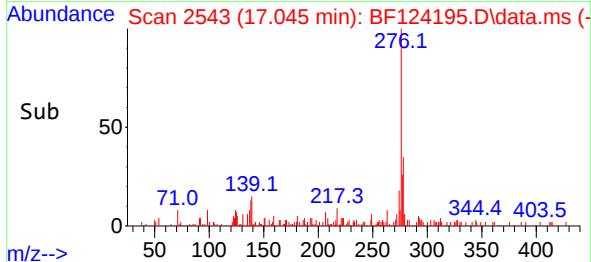
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE



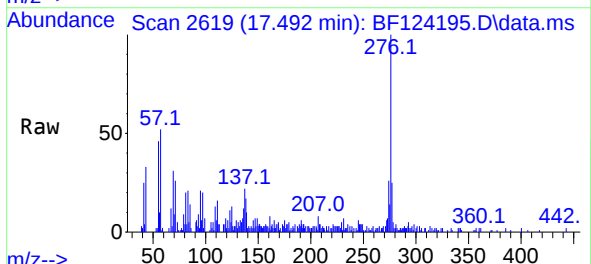
Tgt Ion:278 Resp: 16549
Ion Ratio Lower Upper
278 100
139 38.4 10.2 15.2#
279 30.0 19.4 29.0#

Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:38 PM



#92
Benzo(g,h,i)perylene
Concen: 15.566 ng
RT: 17.492 min Scan# 2619
Delta R.T. 0.036 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29



Tgt Ion:276 Resp: 56613
Ion Ratio Lower Upper
276 100
277 25.3 18.2 27.2
138 16.8 13.8 20.6

