

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124213.D
 Acq On : 9 Jun 2021 17:32
 Operator : JU/CG
 Sample : M2589-12RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jun 09 17:54:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 09 14:34:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	38095	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	139542	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	73097	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	108694	20.000	ng	0.00
76) Chrysene-d12	14.021	240	96623	20.000	ng	0.00
86) Perylene-d12	15.504	264	60005	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	6172	2.439	ng	0.00
7) Phenol-d6	6.492	99	69402	20.403	ng	0.00
23) Nitrobenzene-d5	7.410	82	192329	54.665	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.204	172	346671	59.679	ng	0.00
79) Terphenyl-d14	12.963	244	294085	41.788	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	96876	11.612	ng	96
37) 2-Methylnaphthalene	8.845	142	35506	6.069	ng	92
38) 1-Methylnaphthalene	8.939	142	23768	4.347	ng	98
52) Acenaphthene	9.916	154	37562	7.877	ng	94
55) Dibenzofuran	10.092	168	48988	6.564	ng	# 92
58) Fluorene	10.433	166	36099	6.302	ng	98
71) Phenanthrene	11.404	178	430090	63.342	ng	98
72) Anthracene	11.451	178	94660	13.843	ng	97
73) Carbazole	11.604	167	37444	6.284	ng	95
75) Fluoranthene	12.598	202	516279	72.438	ng	97
78) Pyrene	12.827	202	468885	50.536	ng	97
81) Benzo(a)anthracene	14.016	228	228649	32.484	ng	100
83) Chrysene	14.051	228	203822	30.013	ng	96
84) Bis(2-ethylhexyl)phtha...	13.998	149	233025	52.047	ng	96
87) Indeno(1,2,3-cd)pyrene	16.992	276	48901	13.242	ng	# 90
88) Benzo(b)fluoranthene	15.074	252	176408m	37.846	ng	
89) Benzo(k)fluoranthene	15.098	252	48351m	10.957	ng	
90) Benzo(a)pyrene	15.445	252	103834	25.647	ng	# 96
91) Dibenzo(a,h)anthracene	16.992	278	14681	7.320	ng	# 70
92) Benzo(g,h,i)perylene	17.445	276	48181	14.354	ng	95

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

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Abundance

TIC: BF124213.D\data.ms

Time-->

2000000

1900000

1800000

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00

2-Fluorophenol, S

Phenol, d6, S

1,4-Dichlorobenzene, d4, I

Nitrobenzene, d5, S

Naphthalene, d8, I

1-Methylpyrene

2-Fluorobiphenyl, S

Acenaphthene, d10, I

Acenaphthene, C

Dibenzofuran

Fluorene

Phenanthrene

Anthracene, d10, I

Anthracene, C

Carbazole

Fluoranthene, C

Pyrene

Terphenyl, d14, S

Bis(2-ethylhexyl)phthalate

Chrysene, d12, S

Benzo(a)anthracene

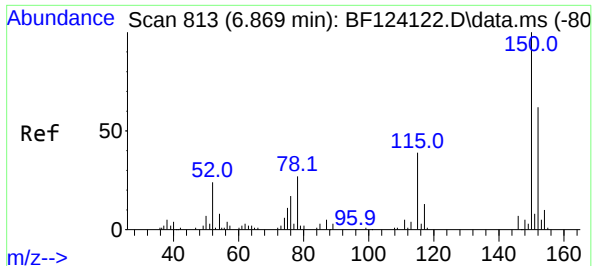
Benzo(k)fluoranthene

Benzo(a)pyrene

Perylene, C

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene



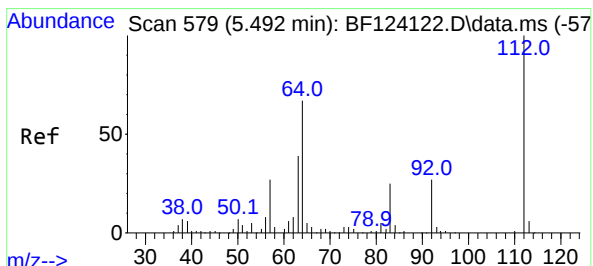
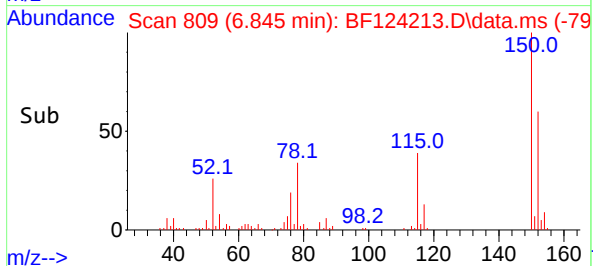
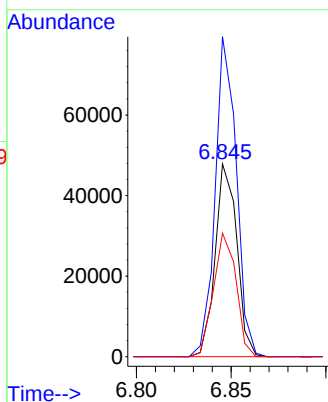
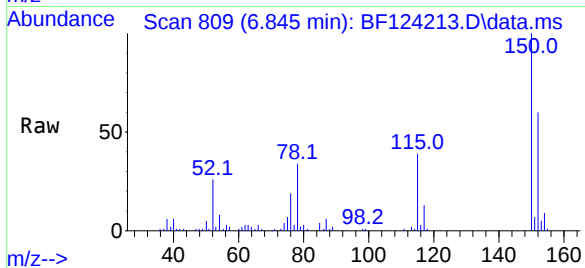
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:152 Resp: 38095
Ion Ratio Lower Upper
152 100
150 166.0 127.0 190.6
115 64.1 54.3 81.5

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

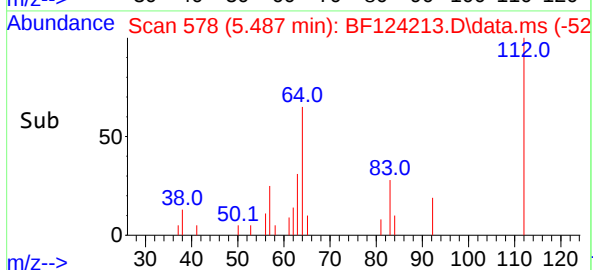
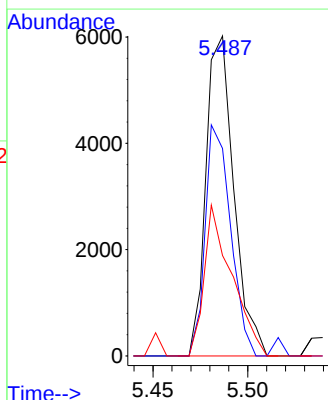
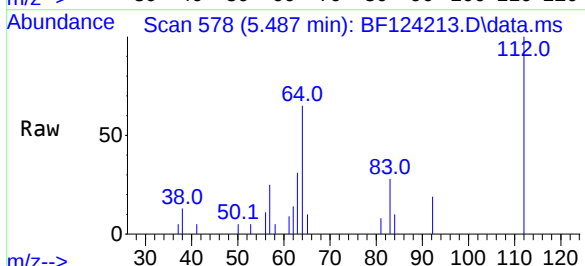
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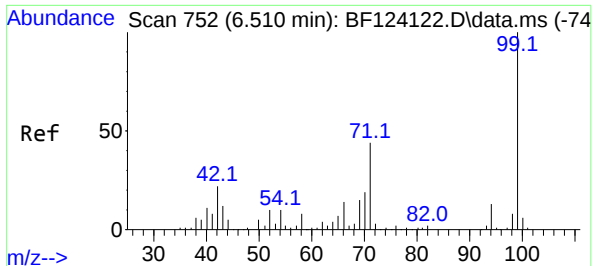
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#5
2-Fluorophenol
Concen: 2.439 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:112 Resp: 6172
Ion Ratio Lower Upper
112 100
64 64.9 61.4 92.0
63 31.4 33.0 49.4#





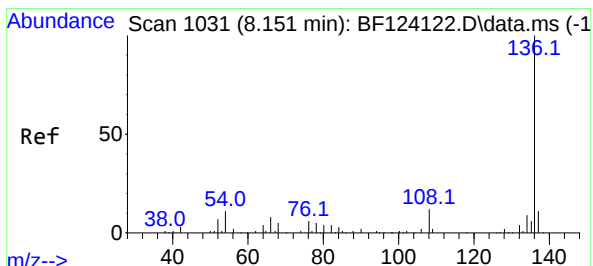
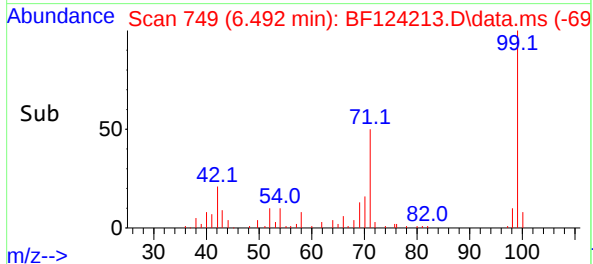
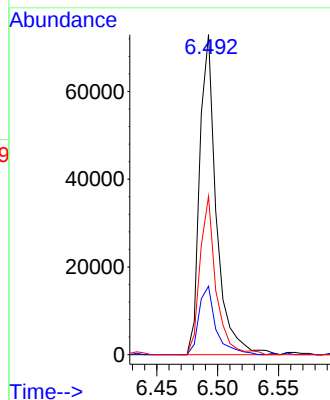
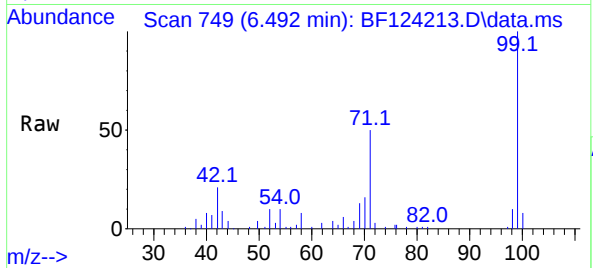
#7
Phenol-d6
Concen: 20.403 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:	99	Resp:	69402
Ion	Ratio	Lower	Upper
99	100		
42	21.4	19.8	29.8
71	49.5	31.1	46.7#

Instrument :
BNA_F
ClientSampleId :
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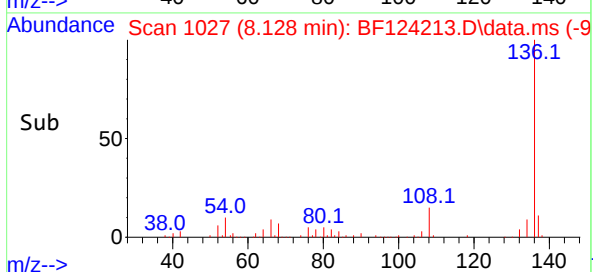
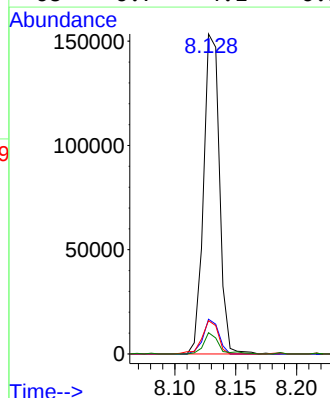
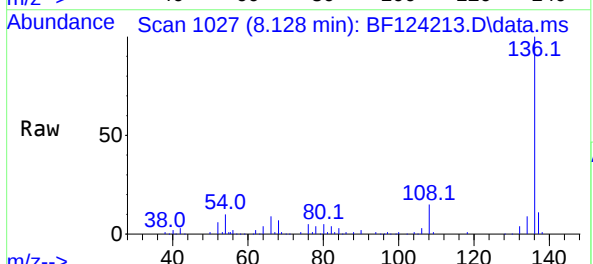
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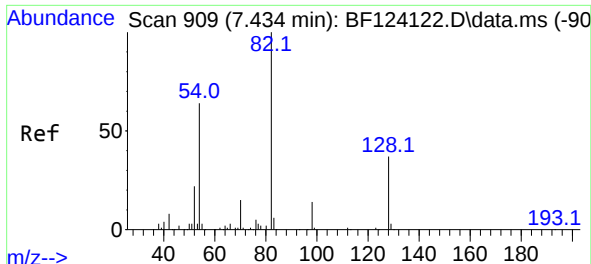
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:	136	Resp:	139542
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.4	9.8	14.6
68	6.7	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 54.665 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF124213.D

Acq: 9 Jun 2021 17:32

Tgt Ion: 82 Resp: 192329

Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.4	44.2
54	59.9	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

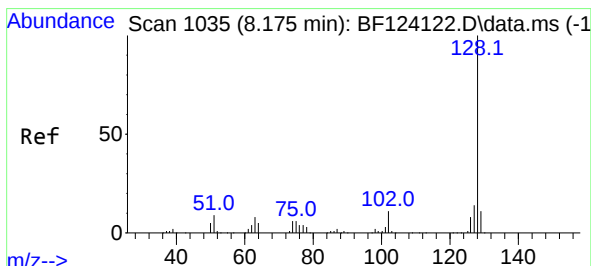
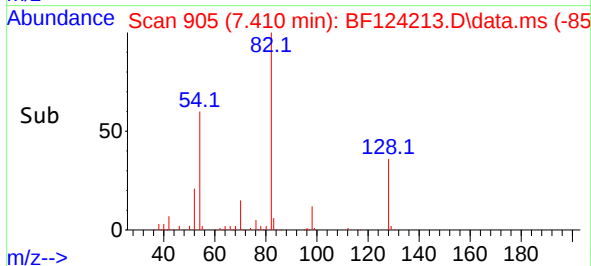
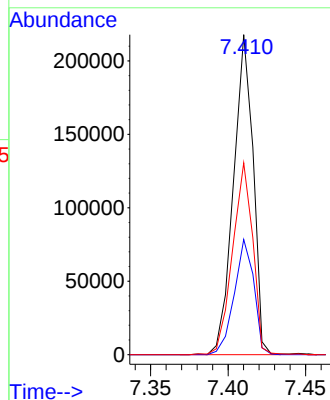
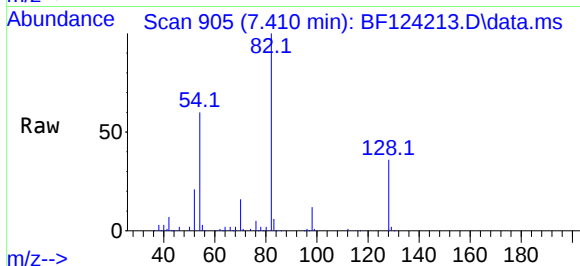
18-B10(2-4)RE

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#31

Naphthalene

Concen: 11.612 ng

RT: 8.151 min Scan# 1031

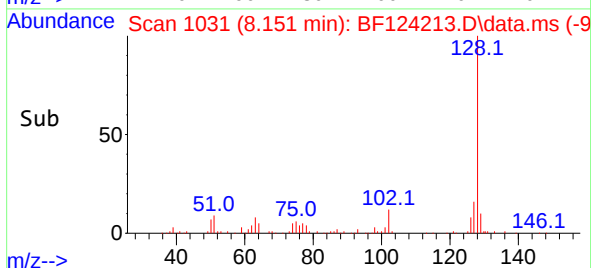
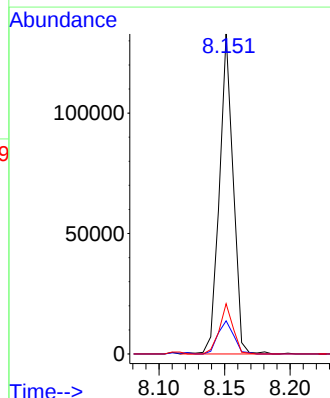
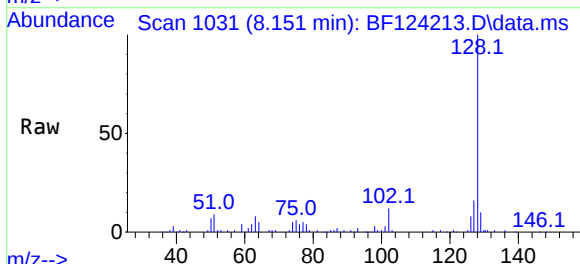
Delta R.T. -0.006 min

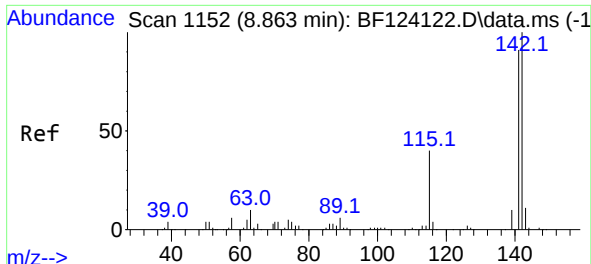
Lab File: BF124213.D

Acq: 9 Jun 2021 17:32

Tgt Ion: 128 Resp: 96876

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.9	13.3
127	15.7	10.8	16.2





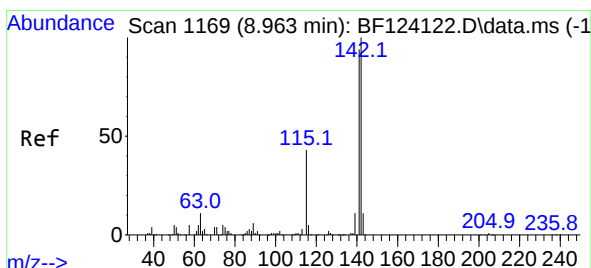
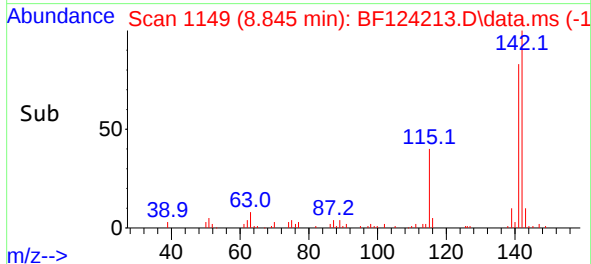
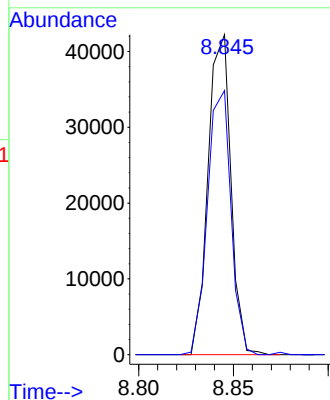
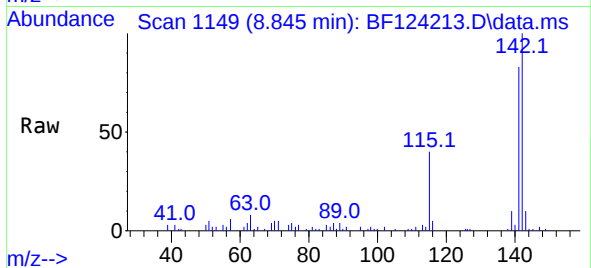
#37
2-Methylnaphthalene
Concen: 6.069 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

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

Tgt Ion:142 Resp: 35506
Ion Ratio Lower Upper
142 100
141 82.5 71.8 107.6

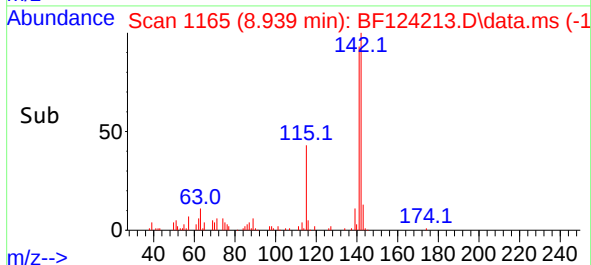
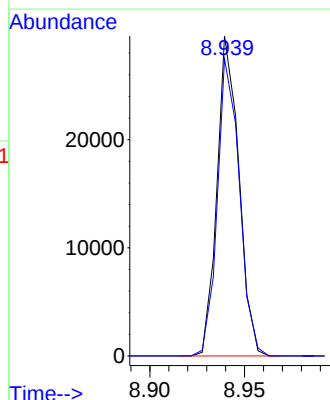
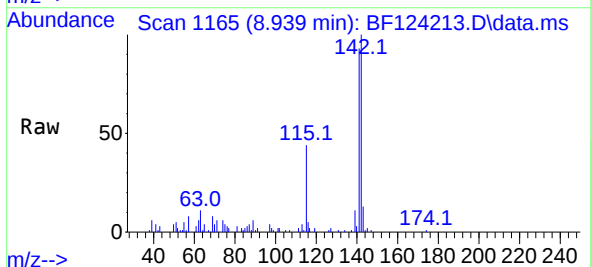
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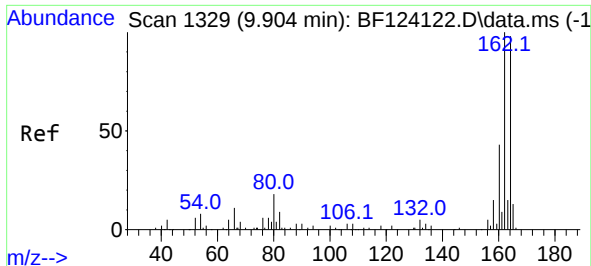
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#38
1-Methylnaphthalene
Concen: 4.347 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:142 Resp: 23768
Ion Ratio Lower Upper
142 100
141 92.9 72.8 109.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF124213.D

Acq: 9 Jun 2021 17:32

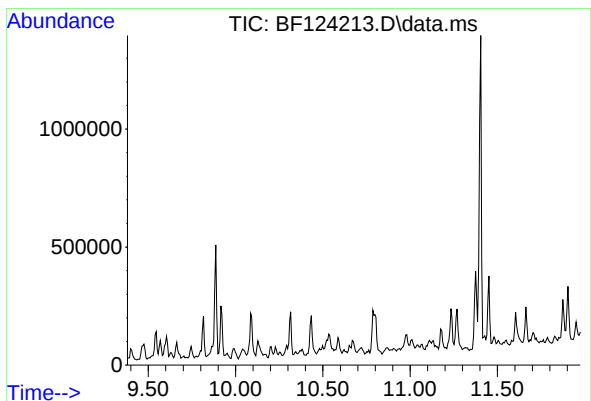
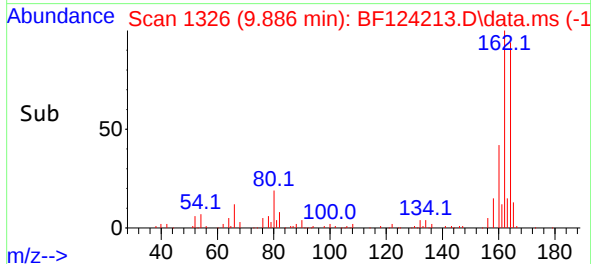
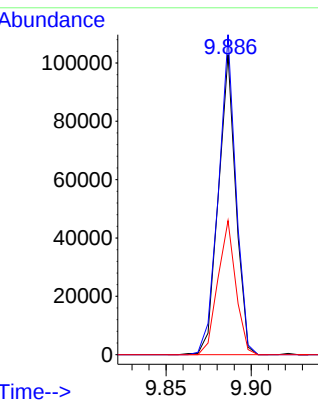
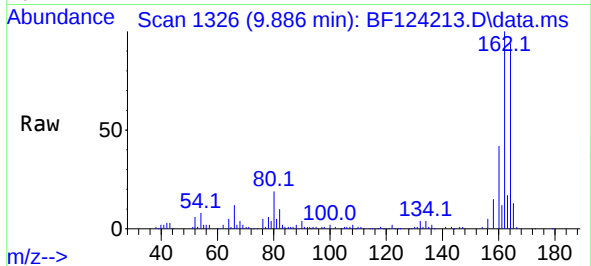
Tgt Ion:164 Resp: 73097

Ion Ratio Lower Upper

164 100

162 106.6 80.7 121.1

160 44.7 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.68 min

Lab File: BF124213.D

Acq: 9 Jun 2021 17:32

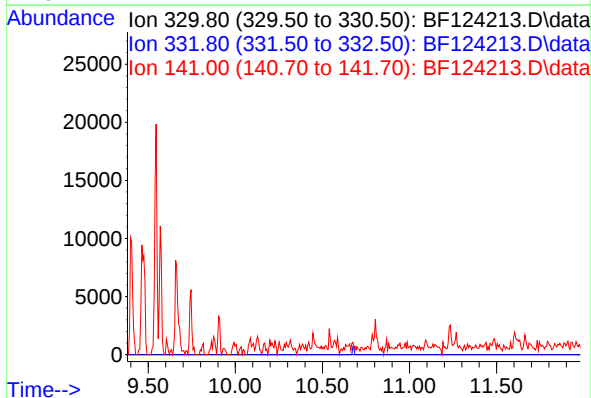
Tgt Ion: 330

Sig Exp Ratio

330 100

332 96.4

141 34.9



Instrument :

BNA_F

ClientSampleId :

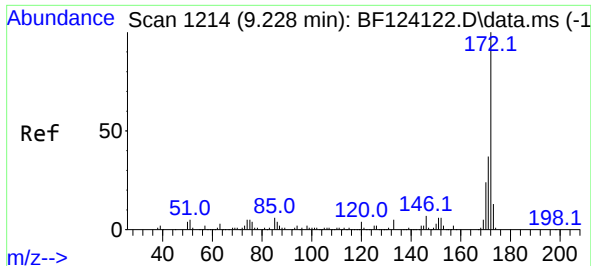
18-B10(2-4)RE

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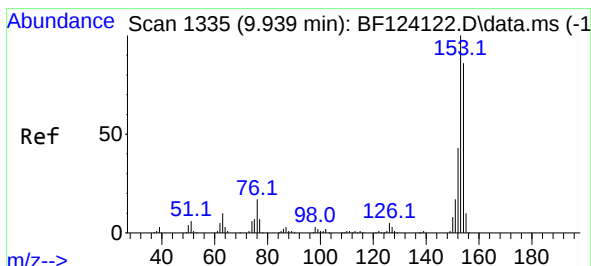
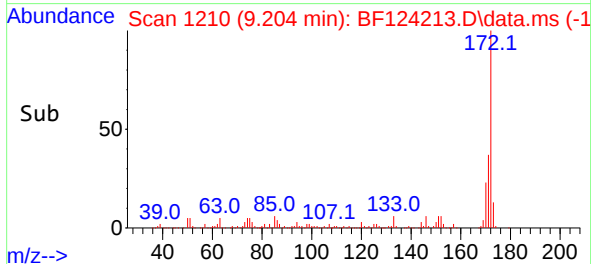
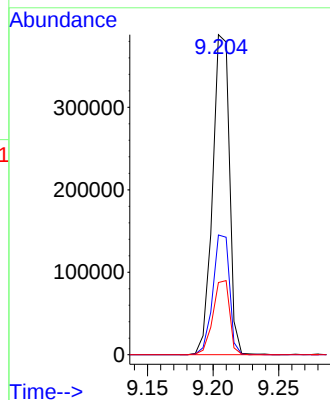
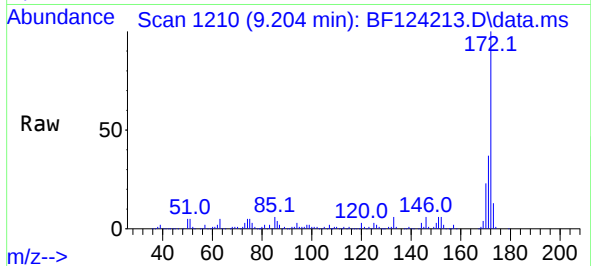
#45
2-Fluorobiphenyl
Concen: 59.679 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:172 Resp: 346671
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 22.6 19.2 28.8

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

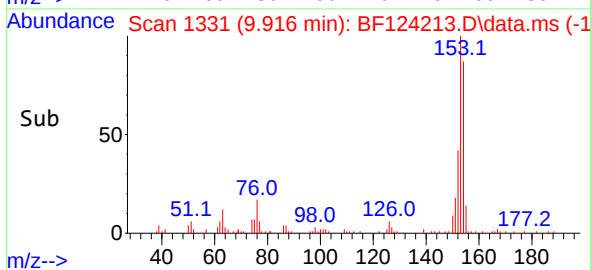
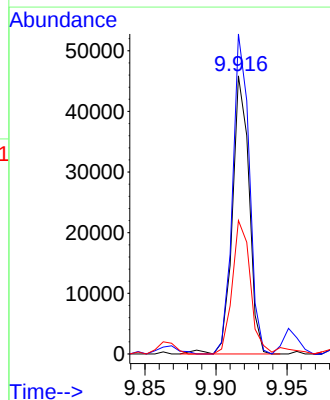
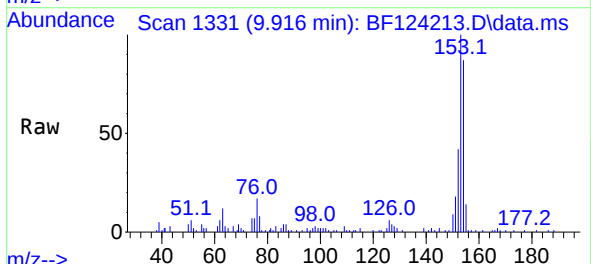
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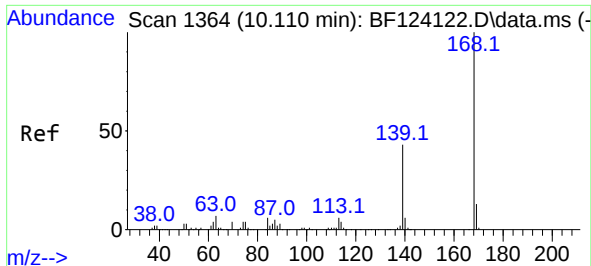
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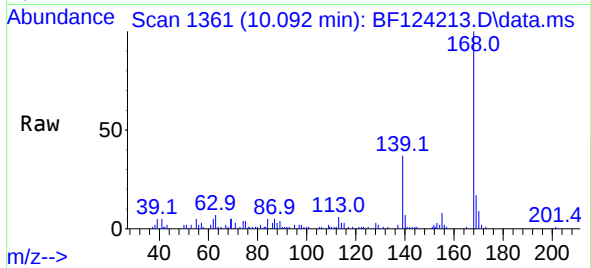
#52
Acenaphthene
Concen: 7.877 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:154 Resp: 37562
Ion Ratio Lower Upper
154 100
153 115.1 88.1 132.1
152 48.0 43.4 65.0

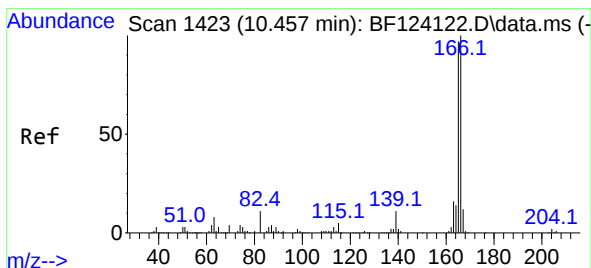
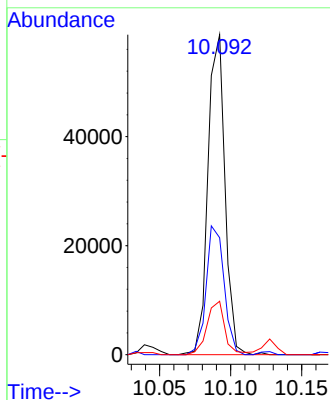
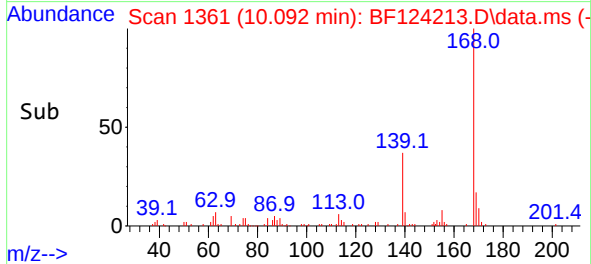




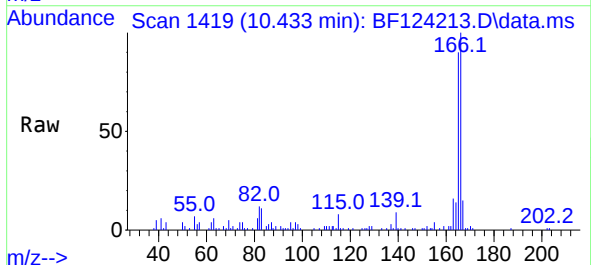
#55
Dibenzenofuran
Concen: 6.564 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32



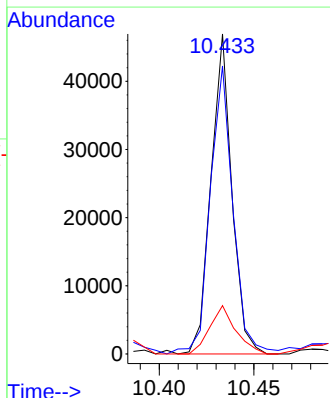
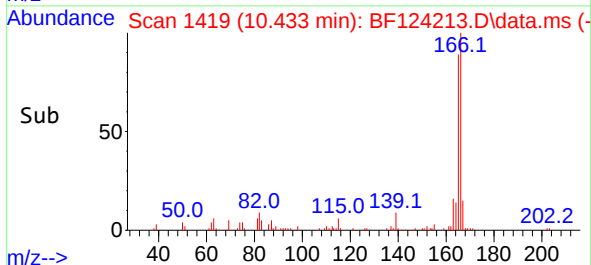
Tgt Ion:168 Resp: 48988
Ion Ratio Lower Upper
168 100
139 36.6 33.2 49.8
169 16.7 10.8 16.2#



#58
Fluorene
Concen: 6.302 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32



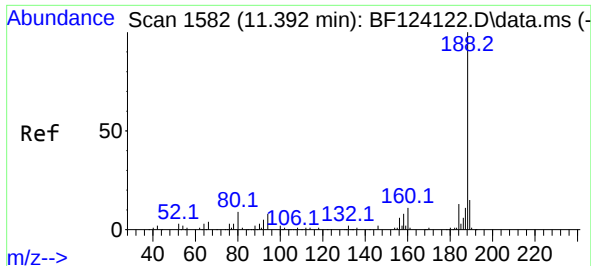
Tgt Ion:166 Resp: 36099
Ion Ratio Lower Upper
166 100
165 90.0 73.5 110.3
167 15.1 10.7 16.1



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

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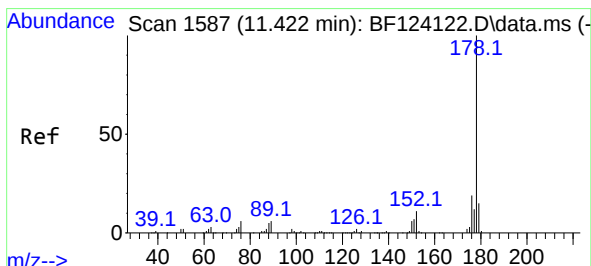
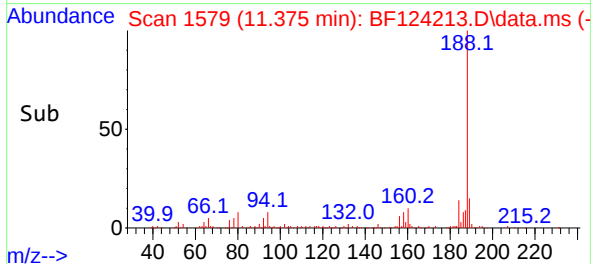
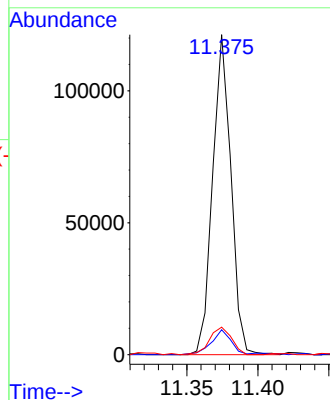
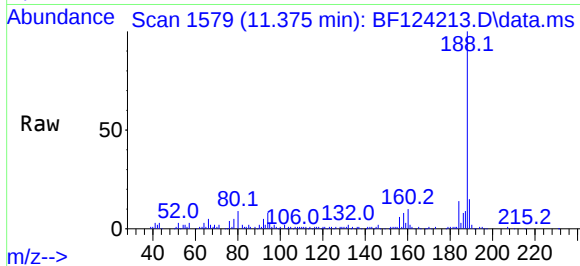
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:188 Resp: 108694
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 8.6 8.2 12.2

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

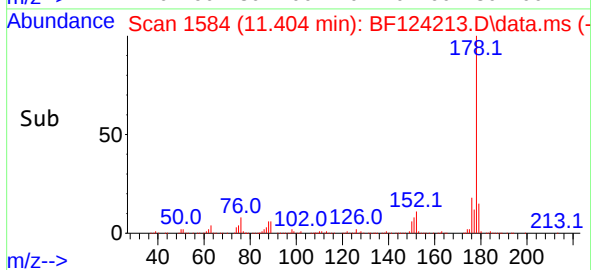
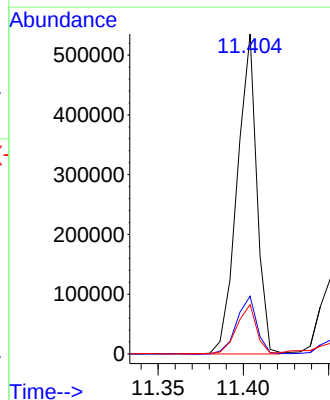
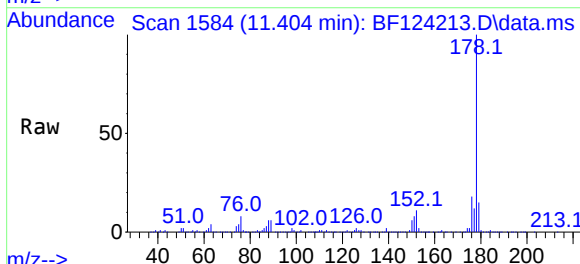
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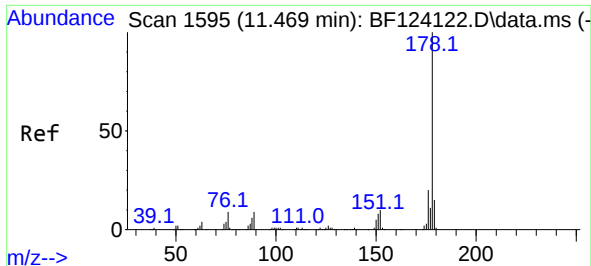
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#71
Phenanthrene
Concen: 63.342 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:178 Resp: 430090
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.4 12.5 18.7





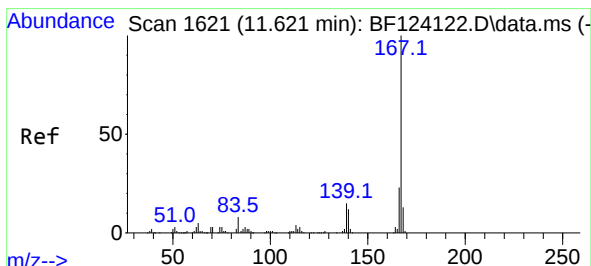
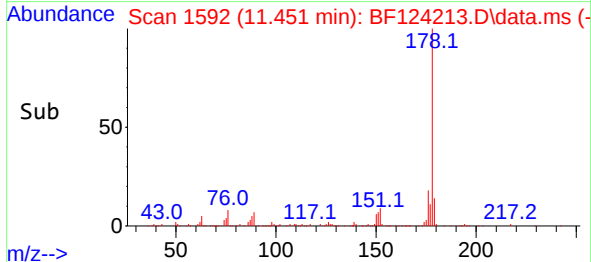
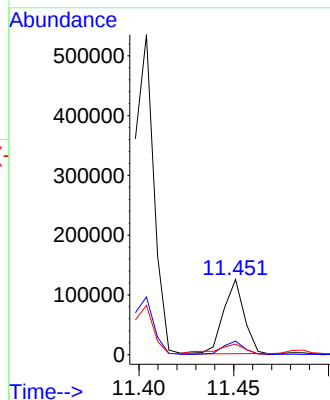
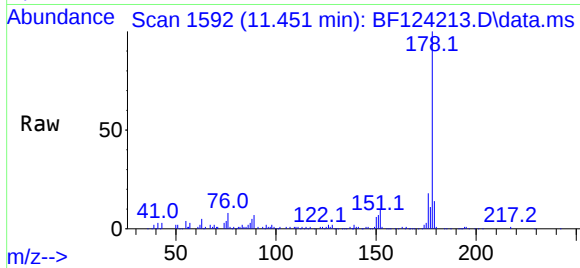
#72
 Anthracene
 Concen: 13.843 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124213.D
 Acq: 9 Jun 2021 17:32

Tgt Ion:	178	Resp:	94660
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	14.1	12.6	18.8

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

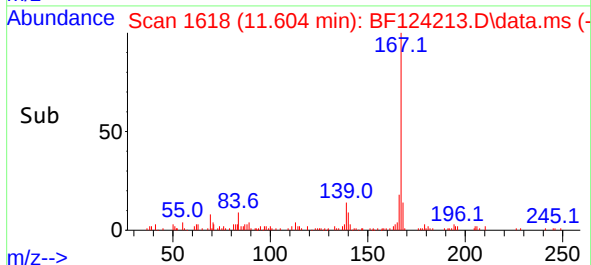
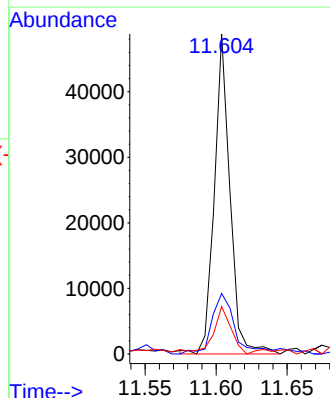
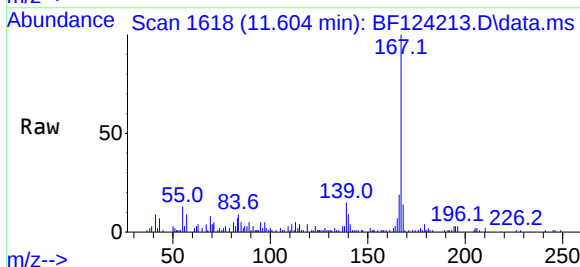
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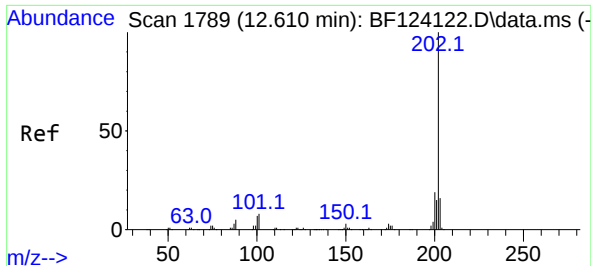
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#73
 Carbazole
 Concen: 6.284 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF124213.D
 Acq: 9 Jun 2021 17:32

Tgt Ion:	167	Resp:	37444
Ion Ratio	Lower	Upper	
167	100		
166	18.9	17.0	25.6
139	14.9	10.4	15.6





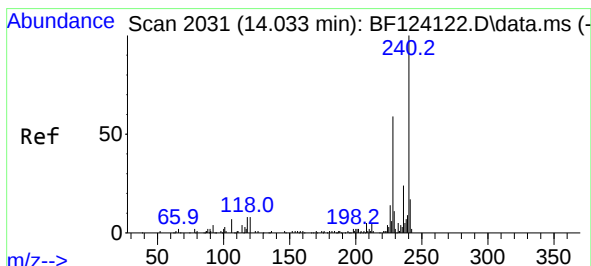
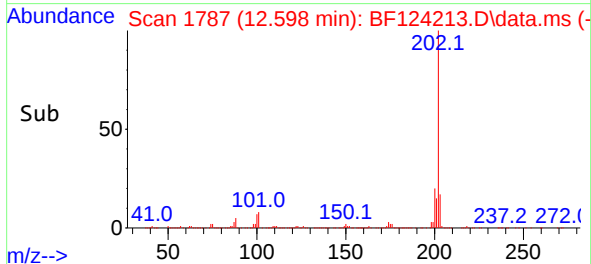
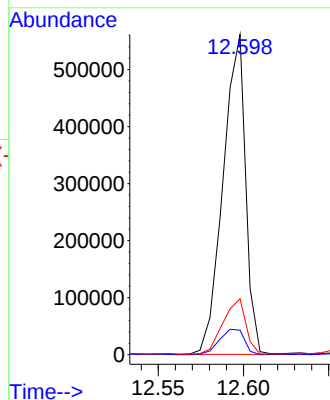
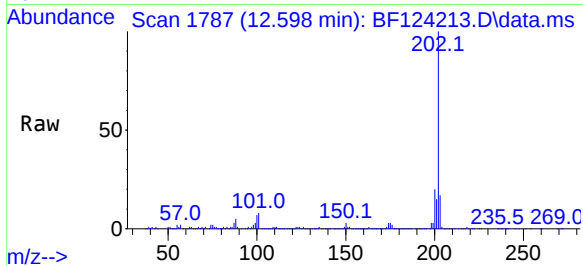
#75
Fluoranthene
Concen: 72.438 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:202 Resp: 516279
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.9
203 17.5 0.0 37.5

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

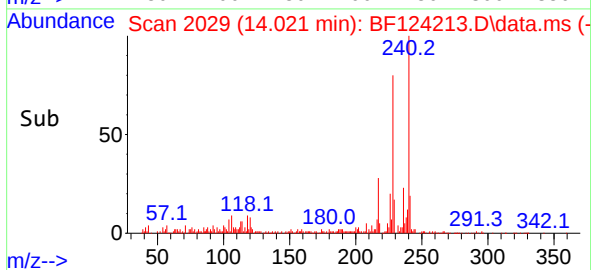
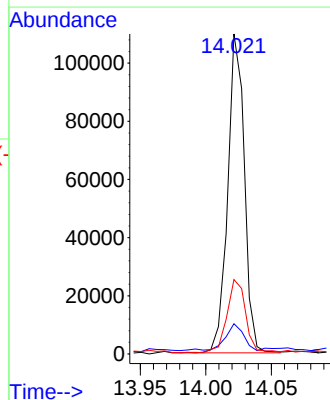
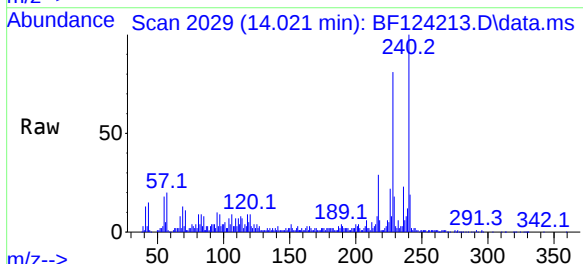
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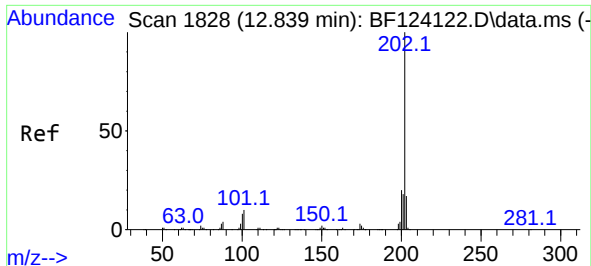
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:240 Resp: 96623
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 23.3 19.0 28.4





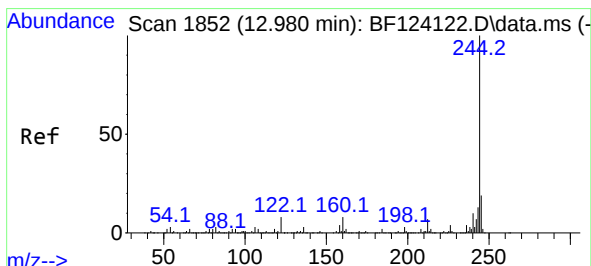
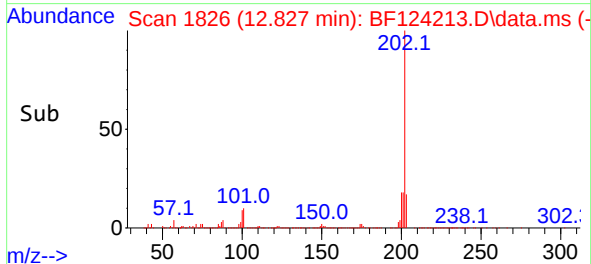
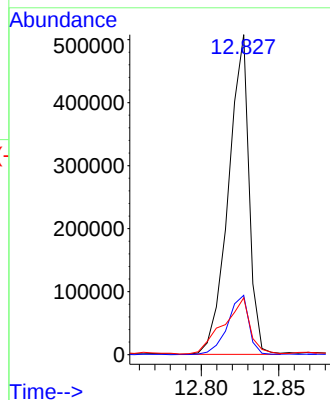
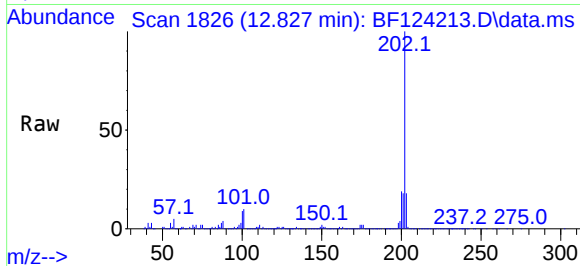
#78
Pyrene
Concen: 50.536 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:202 Resp: 468885
Ion Ratio Lower Upper
202 100
200 18.5 16.1 24.1
203 17.8 14.8 22.2

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

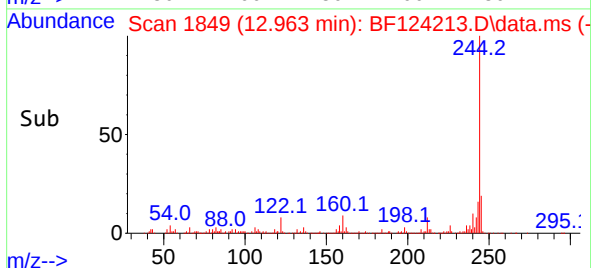
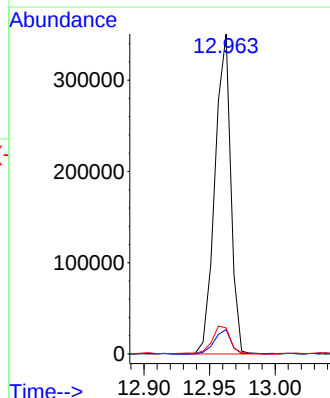
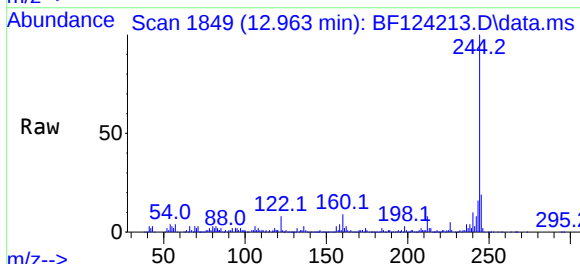
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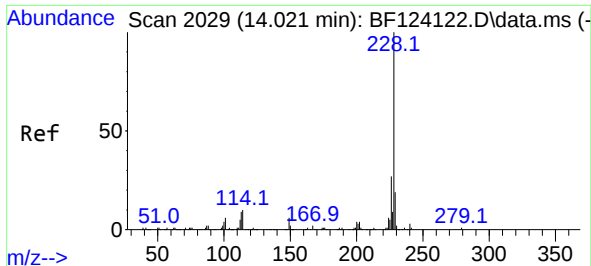
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#79
Terphenyl-d14
Concen: 41.788 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:244 Resp: 294085
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 8.2 9.7 14.5#





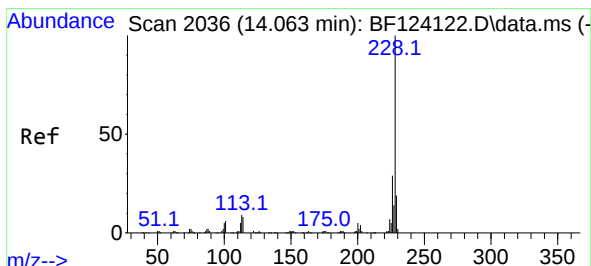
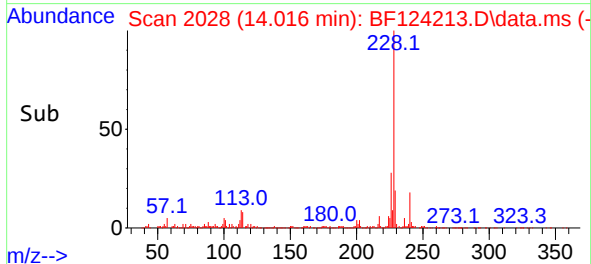
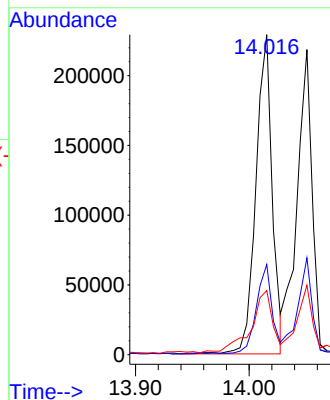
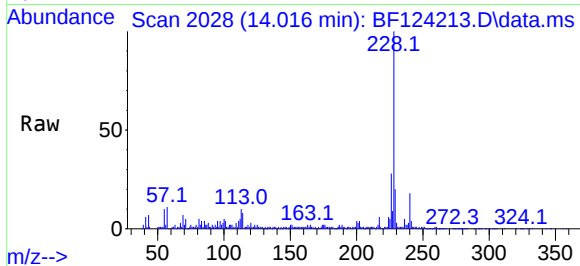
#81
Benzo(a)anthracene
Concen: 32.484 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:228 Resp: 228649
Ion Ratio Lower Upper
228 100
226 28.2 22.4 33.6
229 20.1 16.0 24.0

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

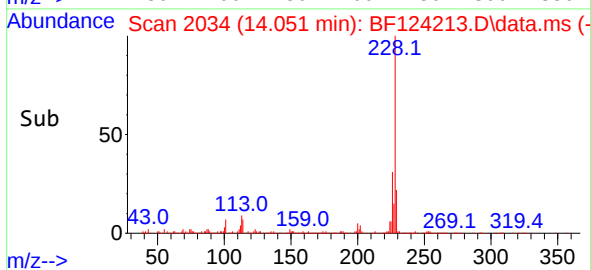
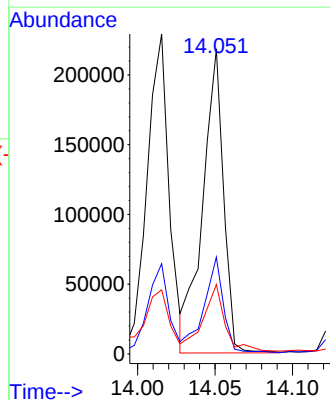
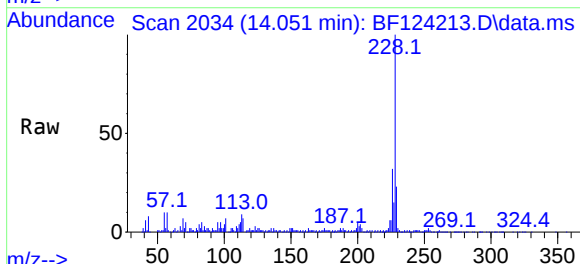
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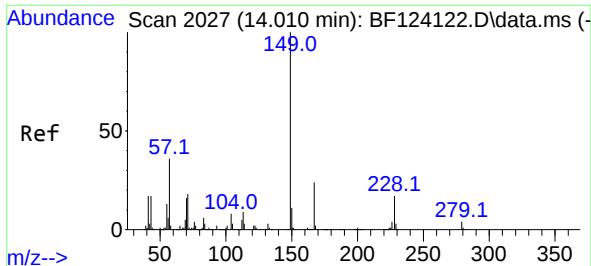
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#83
Chrysene
Concen: 30.013 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:228 Resp: 203822
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.7 16.2 24.2





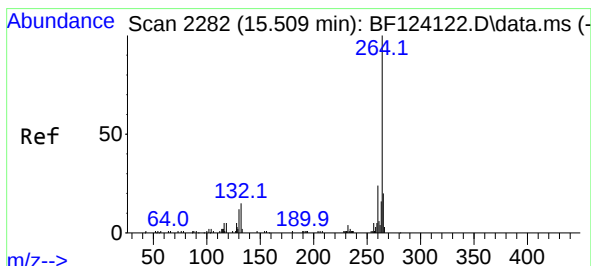
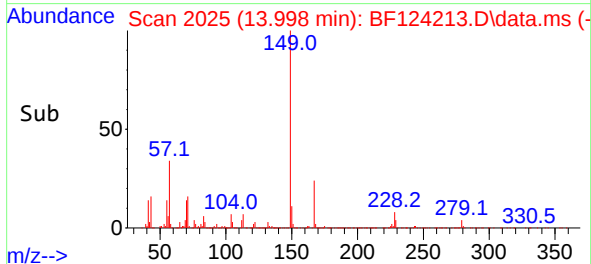
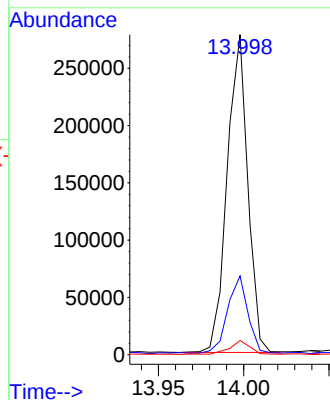
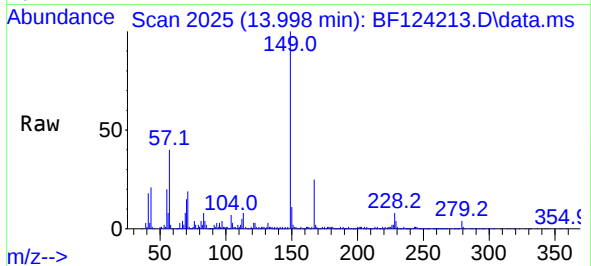
#84
Bis(2-ethylhexyl)phthalate
Concen: 52.047 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:149 Resp: 233025
Ion Ratio Lower Upper
149 100
167 24.6 21.8 32.6
279 4.5 3.3 4.9

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

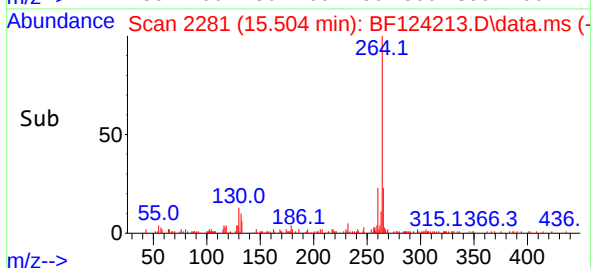
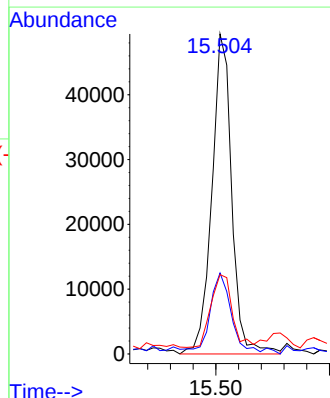
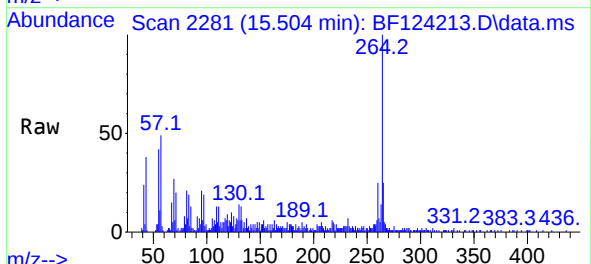
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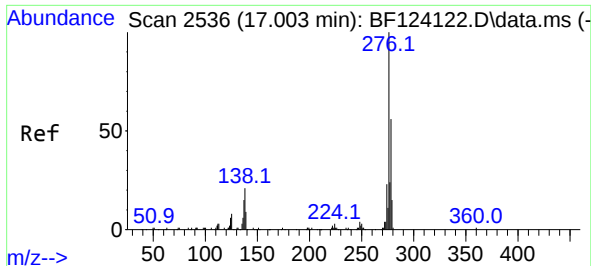
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:264 Resp: 60005
Ion Ratio Lower Upper
264 100
260 25.3 18.7 28.1
265 24.8 17.8 26.8





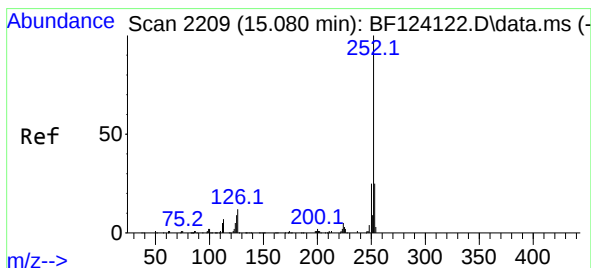
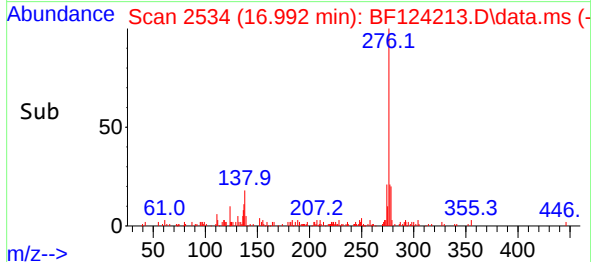
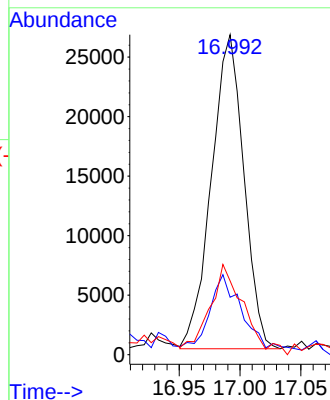
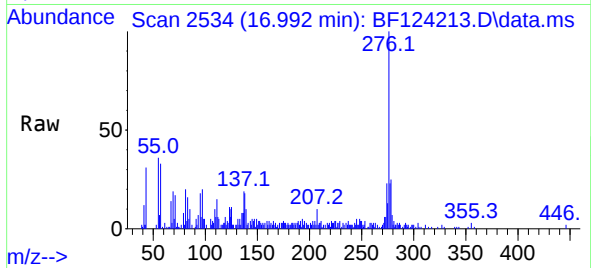
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.242 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion: 276 Resp: 48901
Ion Ratio Lower Upper
276 100
138 24.6 16.2 24.2#
277 30.6 20.1 30.1#

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

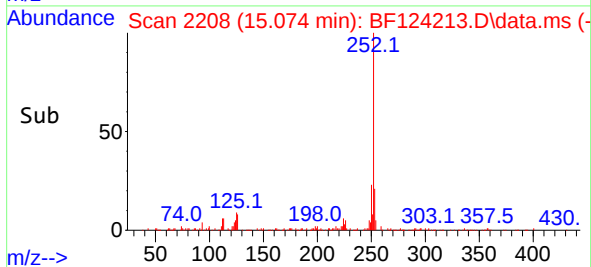
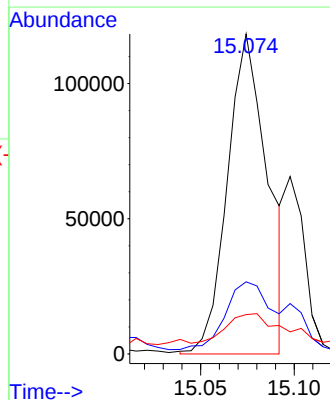
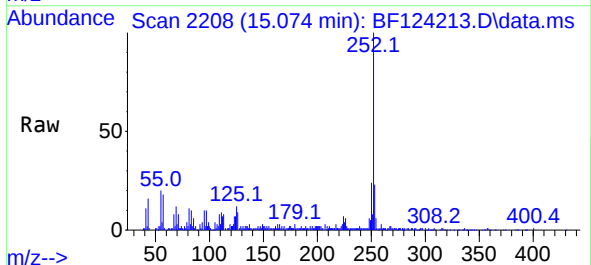
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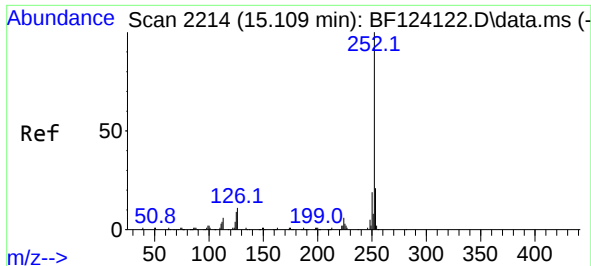
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#88
Benzo(b)fluoranthene
Concen: 37.846 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion: 252 Resp: 176408
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 12.3 6.2 9.4#





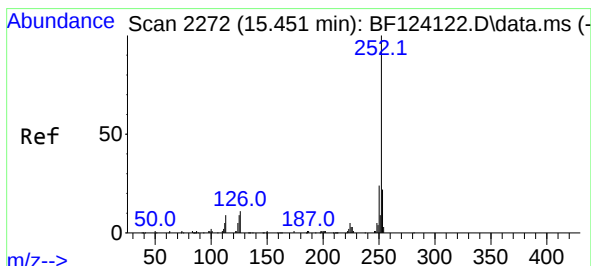
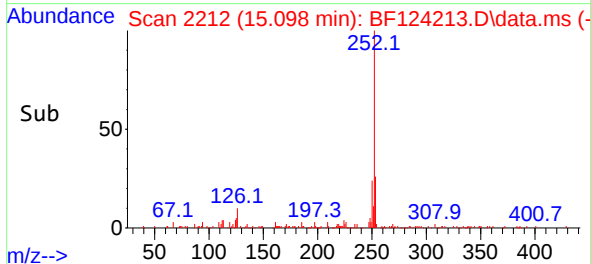
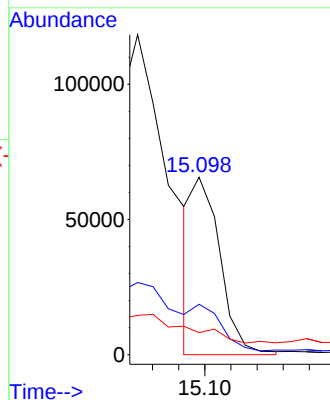
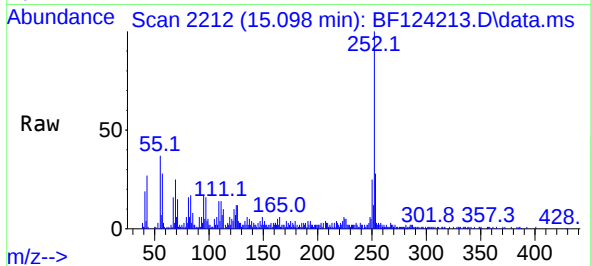
#89
Benzo(k)fluoranthene
Concen: 10.957 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:252 Resp: 48351
Ion Ratio Lower Upper
252 100
253 28.4 17.9 26.9#
125 12.4 7.0 10.6#

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

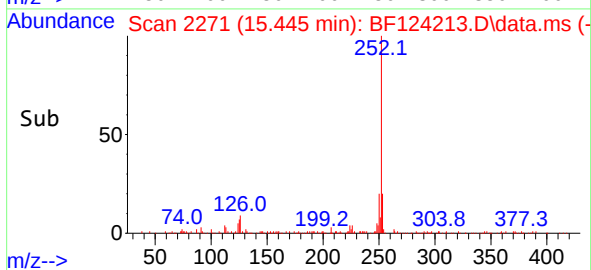
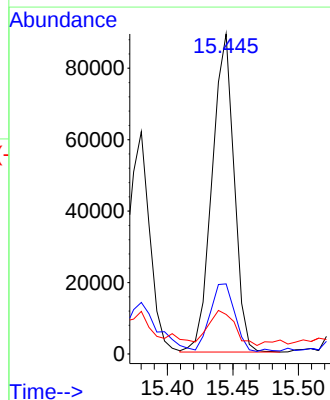
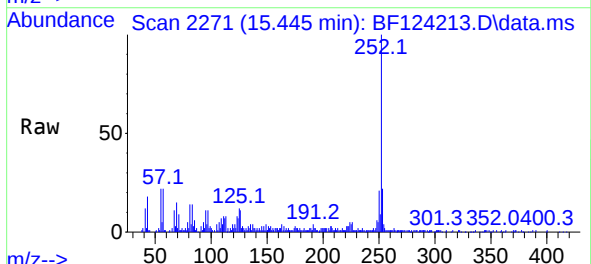
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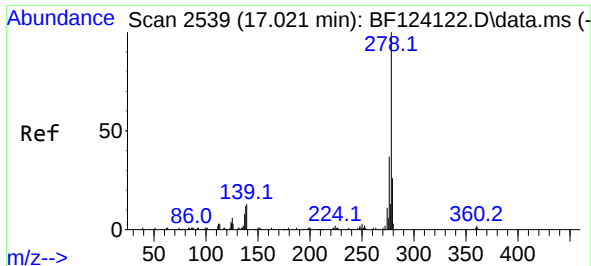
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#90
Benzo(a)pyrene
Concen: 25.647 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:252 Resp: 103834
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 12.3 8.0 12.0#





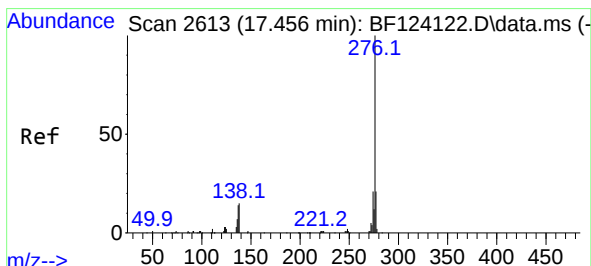
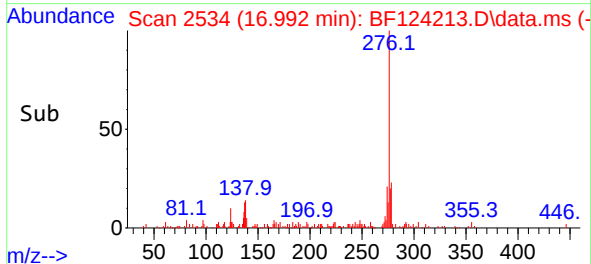
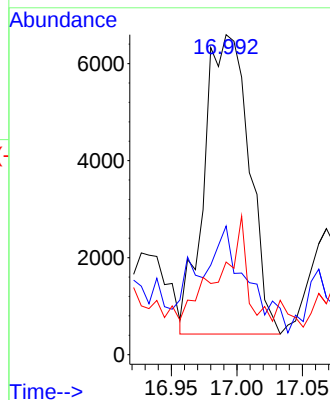
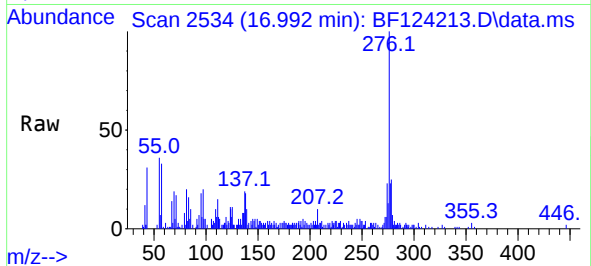
#91
Dibenzo(a,h)anthracene
Concen: 7.320 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:278 Resp: 14681
Ion Ratio Lower Upper
278 100
139 40.2 10.2 15.2#
279 28.9 19.4 29.0

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

Manual Integrations
APPROVED

mohammad
6/11/2021 1:28:36 PM



#92
Benzo(g,h,i)perylene
Concen: 14.354 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.012 min
Lab File: BF124213.D
Acq: 9 Jun 2021 17:32

Tgt Ion:276 Resp: 48181
Ion Ratio Lower Upper
276 100
277 25.0 18.2 27.2
138 19.6 13.8 20.6

