

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123953.D
 Acq On : 15 May 2021 19:26
 Operator : JU/CG
 Sample : M2383-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-01(6-8)

Manual Integrations
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Quant Time: May 16 05:21:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	37940	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	149248	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	70822	20.00	ng	0.00
64) Phenanthrene-d10	11.439	188	104255	20.00	ng	# 0.01
76) Chrysene-d12	14.086	240	87204	20.00	ng	0.02
86) Perylene-d12	15.574	264	56729	20.00	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	117246	43.39	ng	0.00
7) Phenol-d6	6.516	99	141841	40.46	ng	0.00
23) Nitrobenzene-d5	7.463	82	102077	29.47	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	27332	32.13	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	160357	27.86	ng	0.00
79) Terphenyl-d14	13.021	244	144962	25.18	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	151156	17.11	ng	98
38) 1-Methylnaphthalene	9.004	142	279301	50.00	ng	97
46) 1,1'-Biphenyl	9.363	154	177318	28.42	ng	98
49) Acenaphthylene	9.810	152	520509	71.10	ng	96
52) Acenaphthene	9.980	154	303140	60.49	ng	96
55) Dibenzofuran	10.151	168	576858	80.15	ng	98
58) Fluorene	10.504	166	636425	117.35	ng	93
71) Phenanthrene	11.480	178	3051856	461.88	ng	99
72) Anthracene	11.522	178	748602	111.80	ng	98
73) Carbazole	11.663	167	130195	22.23	ng	97
75) Fluoranthene	12.669	202	2076456	303.50	ng	100
78) Pyrene	12.898	202	1682330	217.30	ng	99
81) Benzo(a)anthracene	14.074	228	753926m	119.54	ng	
83) Chrysene	14.116	228	556627	91.76	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	151672	34.62	ng	97
88) Benzo(b)fluoranthene	15.145	252	441883m	100.69	ng	
89) Benzo(k)fluoranthene	15.168	252	178866m	44.72	ng	
90) Benzo(a)pyrene	15.521	252	356793	94.05	ng	96
91) Dibenzo(a,h)anthracene	17.098	278	46125	12.50	ng	# 97
92) Benzo(g,h,i)perylene	17.545	276	138279	37.37	ng	95

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

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Abundance

TIC: BF123953.D\data.ms

6500000

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

Time-->

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-Methylnaphthalene

2-Fluorophenyl,S

Acenaphthylene-d10,I

Acenaphthylene

Acenaphthene,C

Dibenzofuran

Fluorene

2,4,6-Tribromophenol,S

Anthracene

Phenanthrene

Carbazole

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Chrysene-d12,I

Benzo(a)anthracene

Benzo(a)fluoranthene

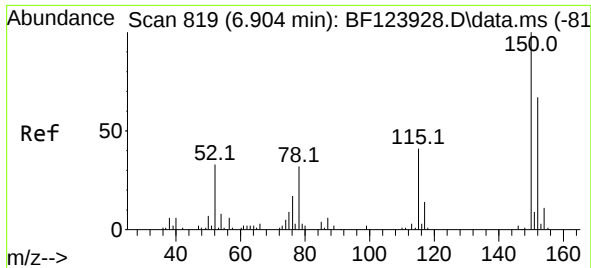
Benzo(a)pyrene,C

Perylene-d12,I

Dibenzodioxane-d12,I

Dibenzodioxane

Benzo(g,h,i)perylene



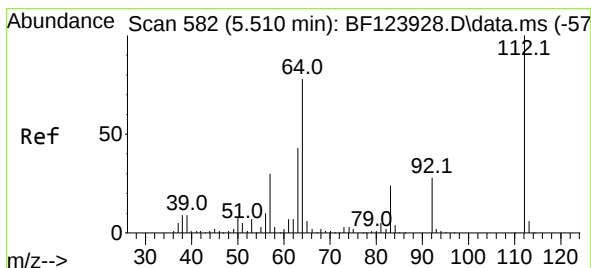
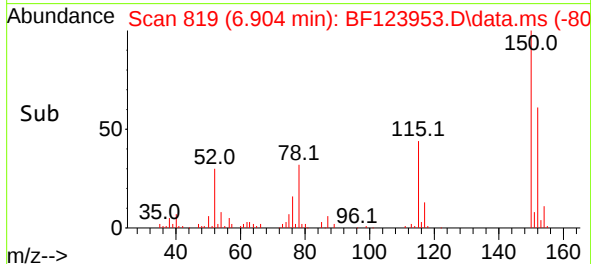
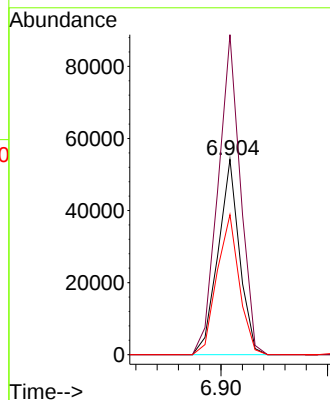
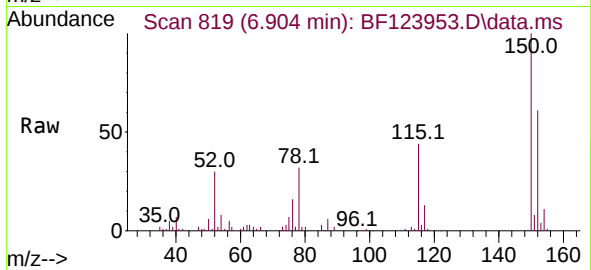
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123953.D
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Tgt Ion:152 Resp: 37940
Ion Ratio Lower Upper
152 100
150 163.8 127.0 190.6
115 71.6 54.3 81.5

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

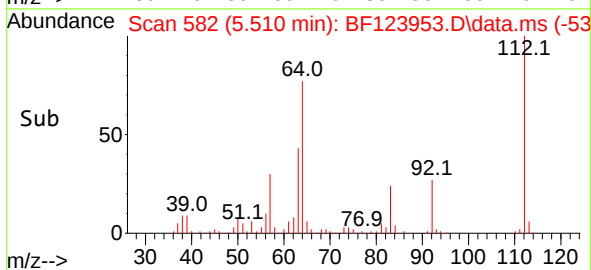
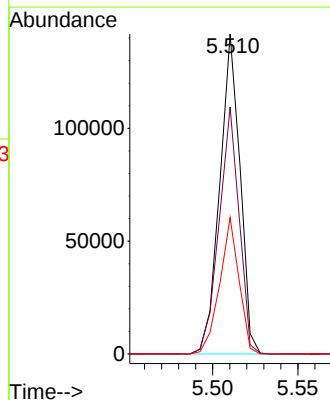
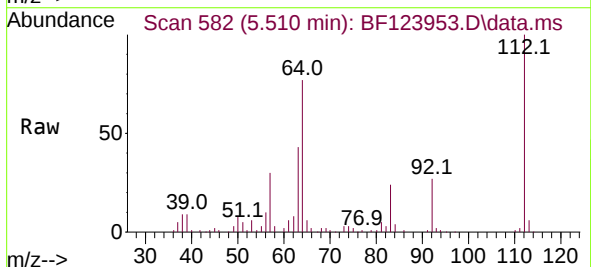
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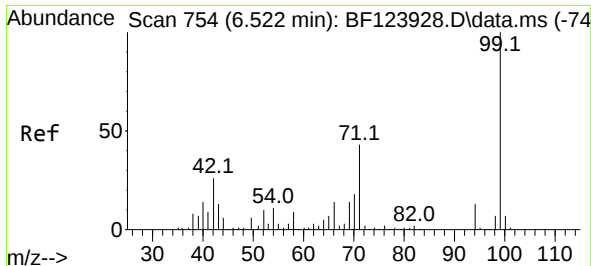
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#5
2-Fluorophenol
Concen: 43.39 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:112 Resp: 117246
Ion Ratio Lower Upper
112 100
64 77.2 61.4 92.0
63 42.6 33.0 49.4





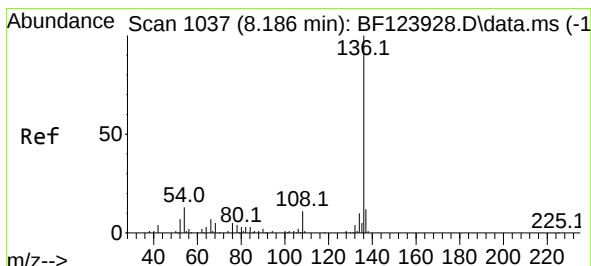
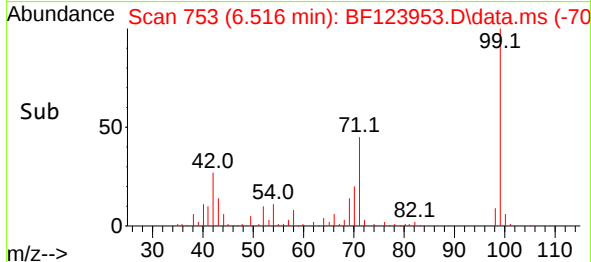
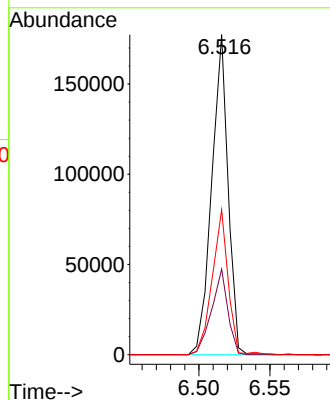
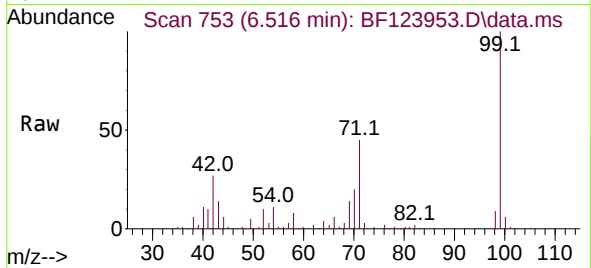
#7
Phenol-d6
Concen: 40.46 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:	99	Resp:	141841
Ion	Ratio	Lower	Upper
99	100		
42	26.7	19.8	29.8
71	45.3	31.1	46.7

Instrument :
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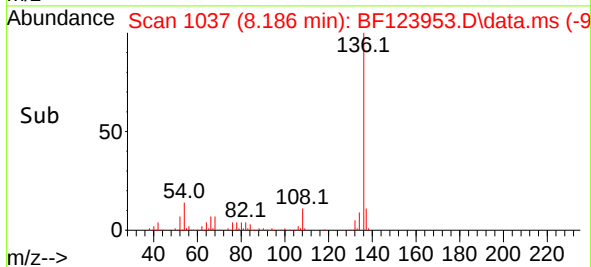
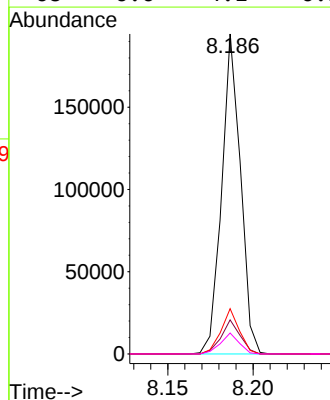
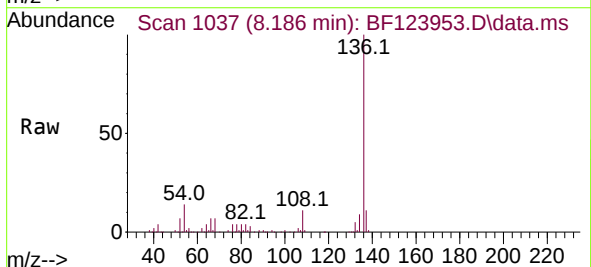
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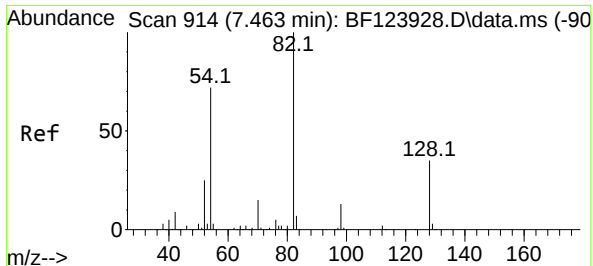
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:	136	Resp:	149248
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	14.1	9.8	14.6
68	6.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 29.47 ng

RT: 7.463 min Scan# 914

Delta R.T. 0.000 min

Lab File: BF123953.D

Acq: 15 May 2021 19:26

Tgt Ion:	82	Resp:	102077
Ion	Ratio	Lower	Upper
82	100		
128	39.1	29.4	44.2
54	61.9	54.1	81.1

Instrument :

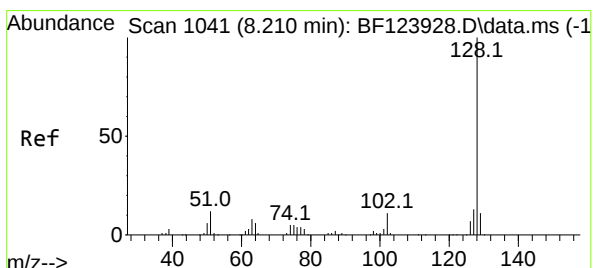
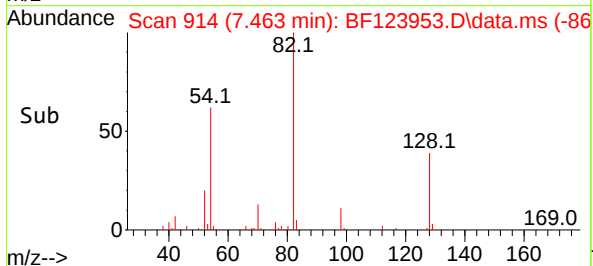
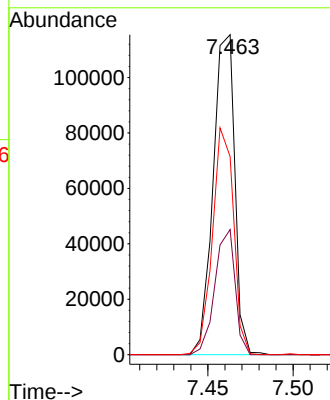
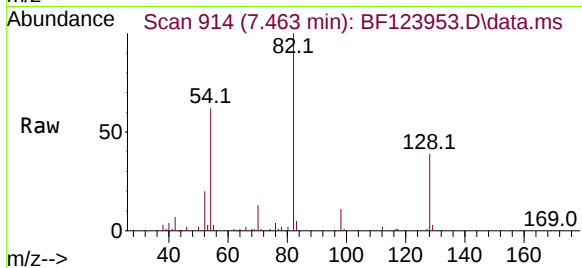
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#31

Naphthalene

Concen: 17.11 ng

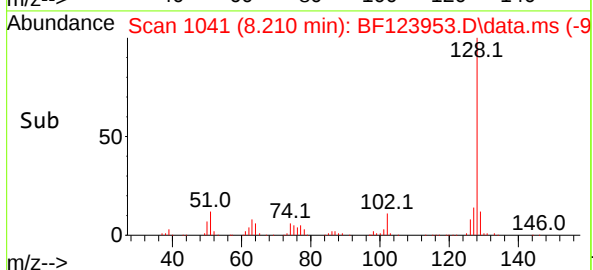
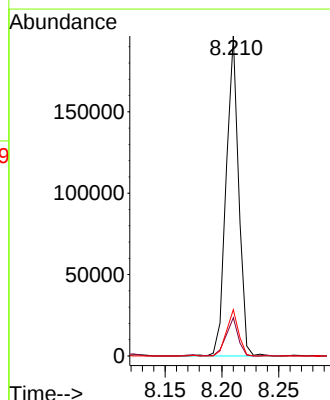
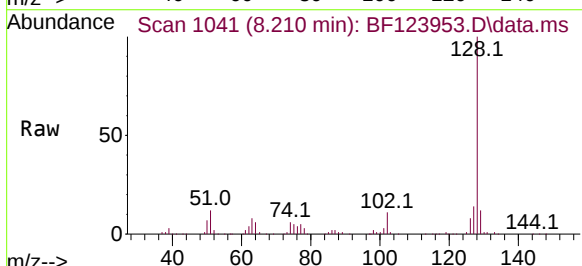
RT: 8.210 min Scan# 1041

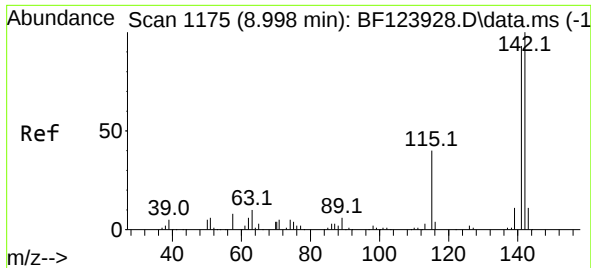
Delta R.T. 0.000 min

Lab File: BF123953.D

Acq: 15 May 2021 19:26

Tgt Ion:	128	Resp:	151156
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.9	13.3
127	14.4	10.8	16.2





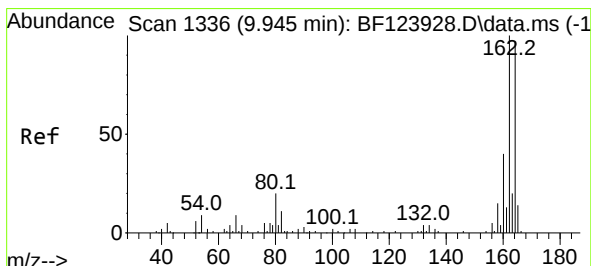
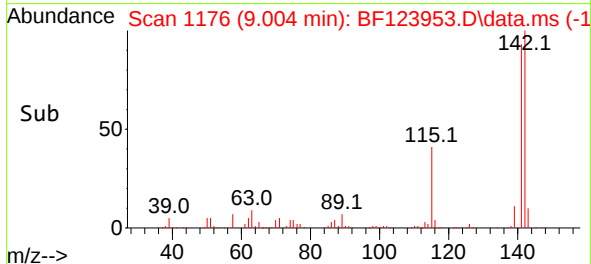
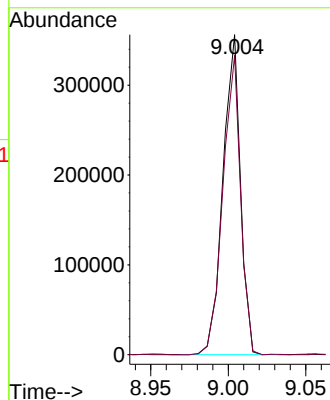
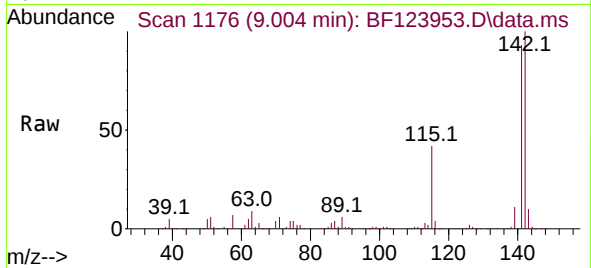
#38
1-Methylnaphthalene
Concen: 50.00 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:142 Resp: 279301
Ion Ratio Lower Upper
142 100
141 93.5 72.8 109.2

Instrument :
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ClientSampleId :
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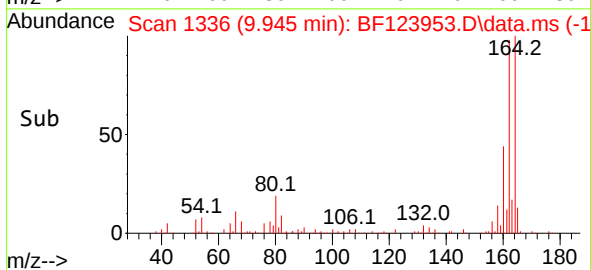
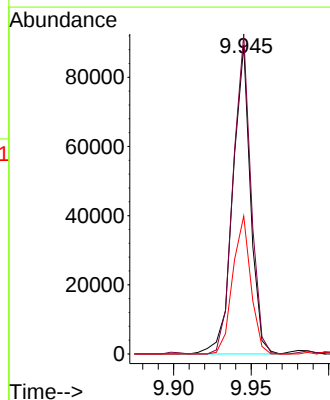
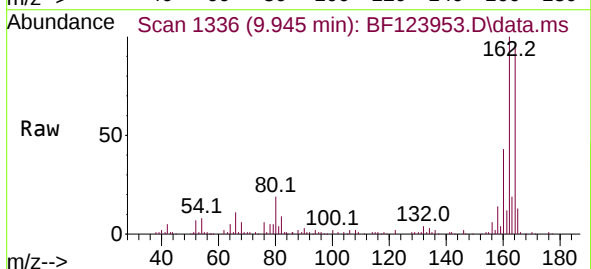
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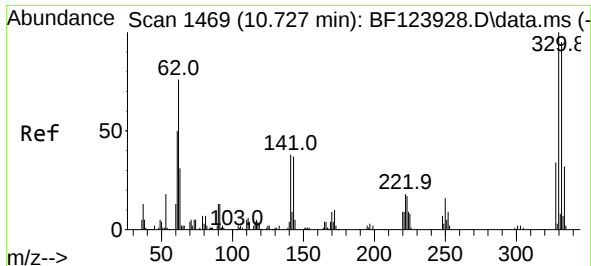
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

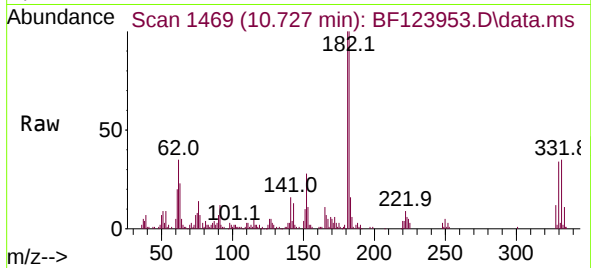
Tgt Ion:164 Resp: 70822
Ion Ratio Lower Upper
164 100
162 103.6 80.7 121.1
160 44.7 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 32.13 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

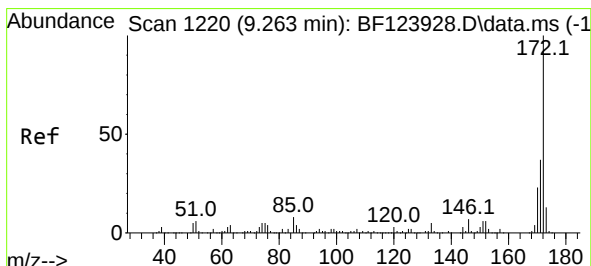
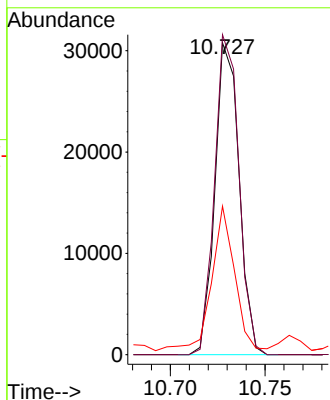
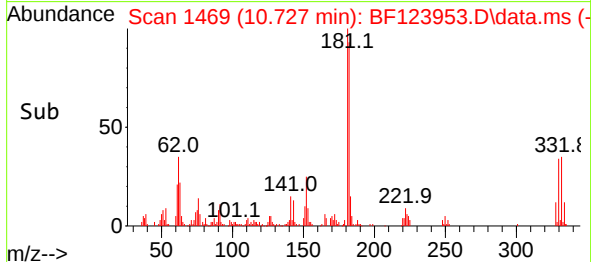
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ClientSampleId :
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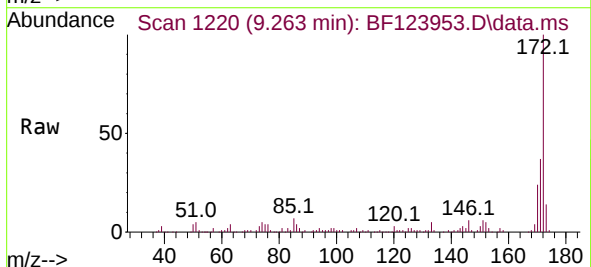
Tgt Ion: 330 Resp: 27332
Ion Ratio Lower Upper
330 100
332 103.2 77.1 115.7
141 44.1 27.9 41.9#

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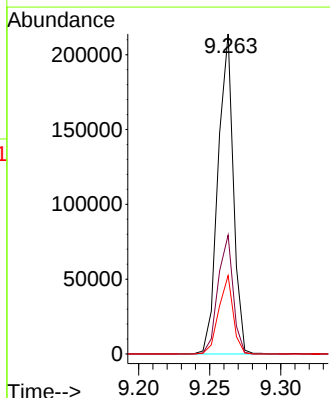
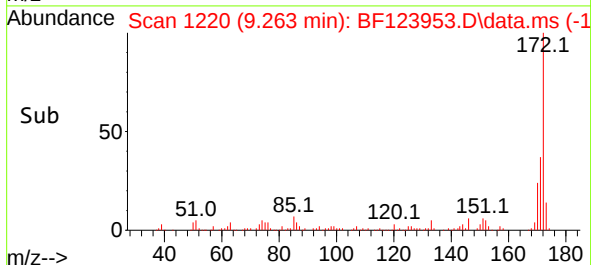
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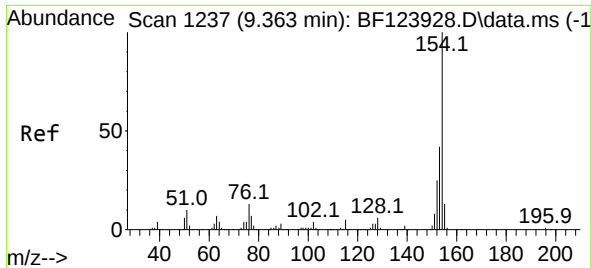


#45
2-Fluorobiphenyl
Concen: 27.86 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123953.D
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Tgt Ion: 172 Resp: 160357
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 24.5 19.2 28.8





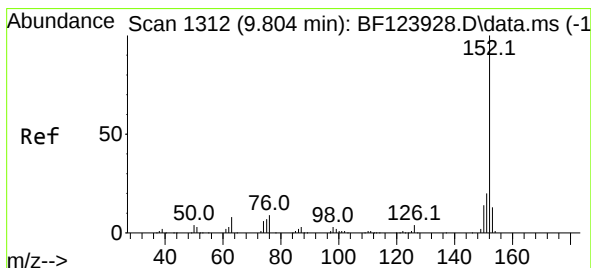
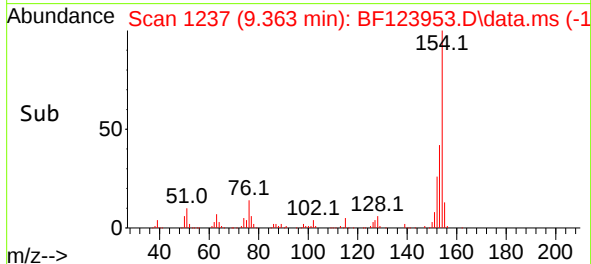
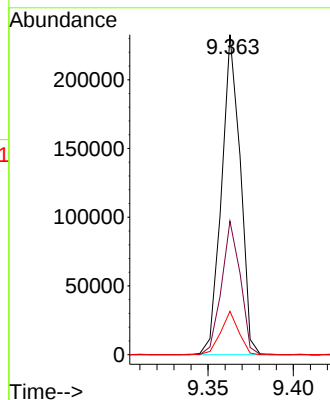
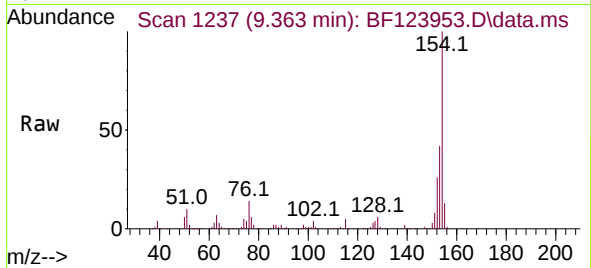
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1,1'-Biphenyl
Concen: 28.42 ng
RT: 9.363 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:154 Resp: 177318
Ion Ratio Lower Upper
154 100
153 41.7 20.7 60.7
76 13.5 0.0 31.7

Instrument :
BNA_F
ClientSampled :
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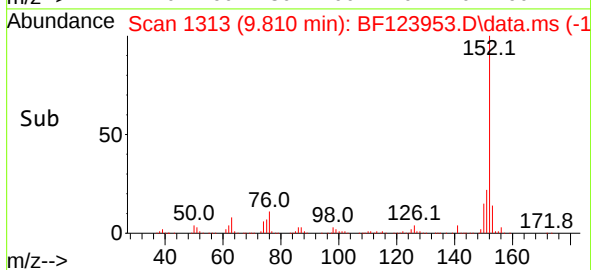
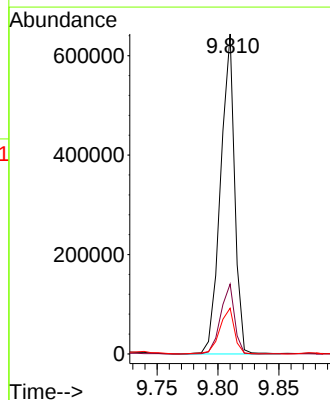
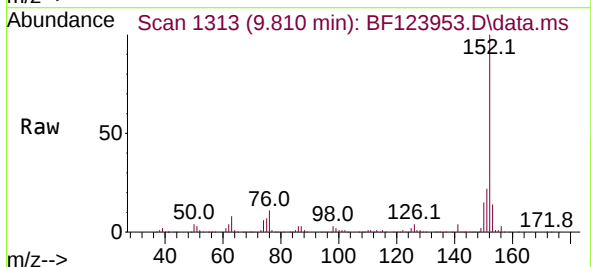
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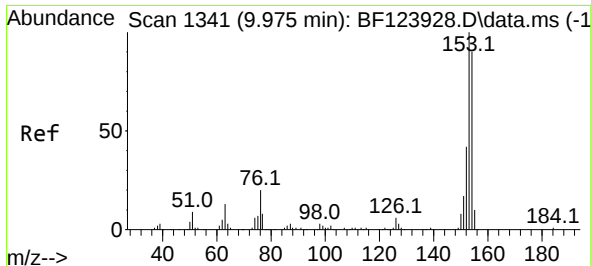
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#49
Acenaphthylene
Concen: 71.10 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

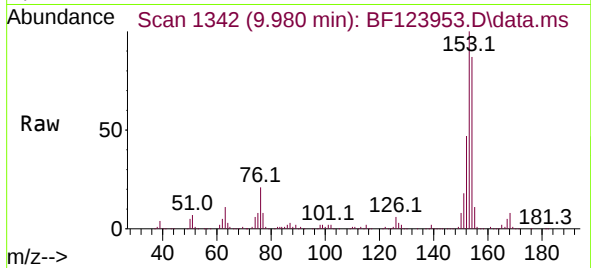
Tgt Ion:152 Resp: 520509
Ion Ratio Lower Upper
152 100
151 21.9 16.0 24.0
153 14.3 10.4 15.6





#52
Acenaphthene
Concen: 60.49 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

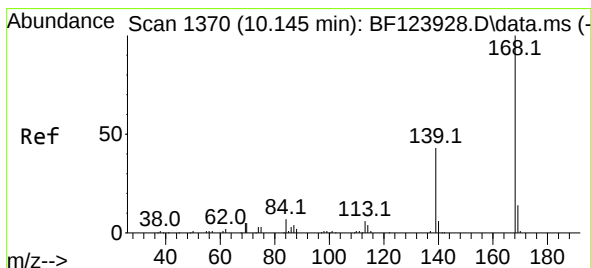
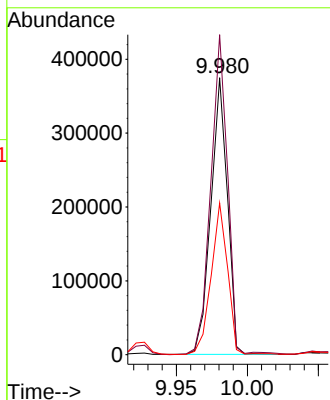
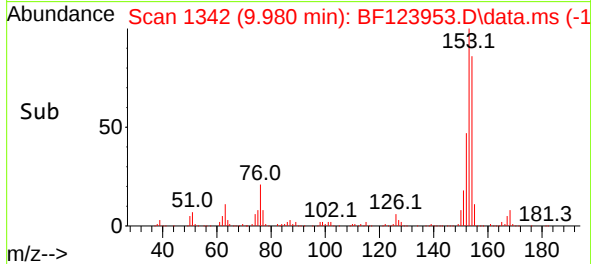
Instrument :
BNA_F
ClientSampled :
KSB-01(6-8)



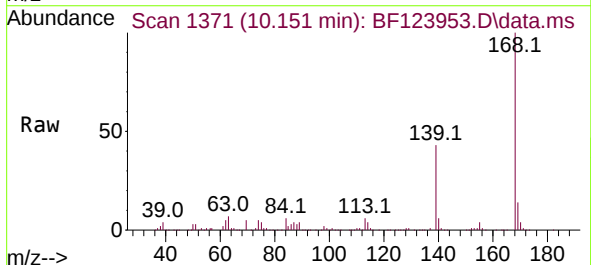
Tgt Ion:154 Resp: 303140
Ion Ratio Lower Upper
154 100
153 115.5 88.1 132.1
152 54.8 43.4 65.0

Manual Integrations
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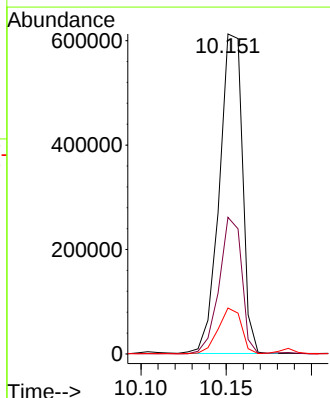
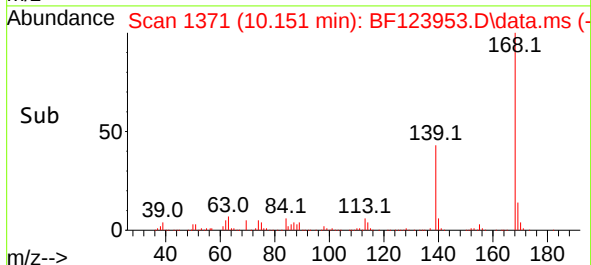
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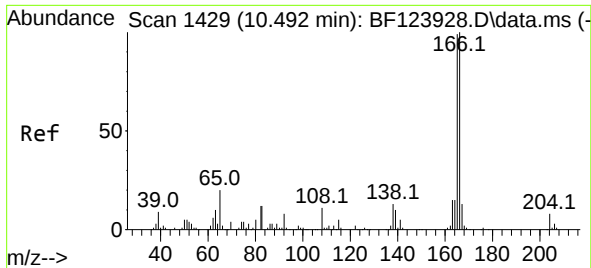


#55
Dibenzofuran
Concen: 80.15 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

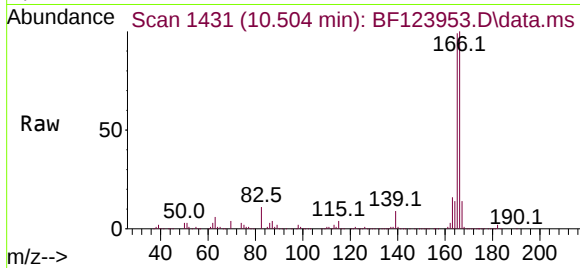


Tgt Ion:168 Resp: 576858
Ion Ratio Lower Upper
168 100
139 42.7 33.2 49.8
169 14.4 10.8 16.2

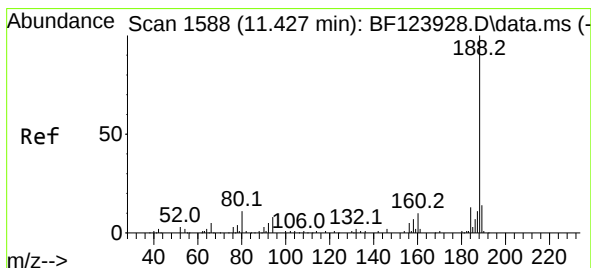
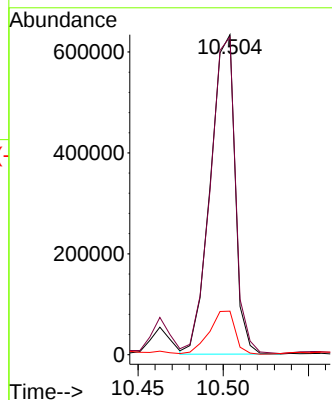
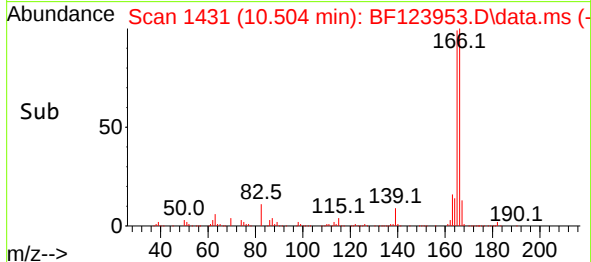




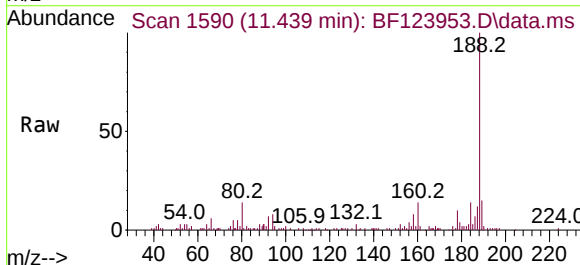
#58
Fluorene
Concen: 117.35 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



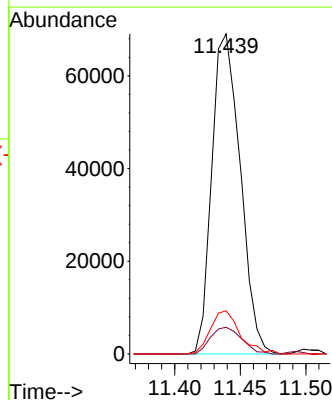
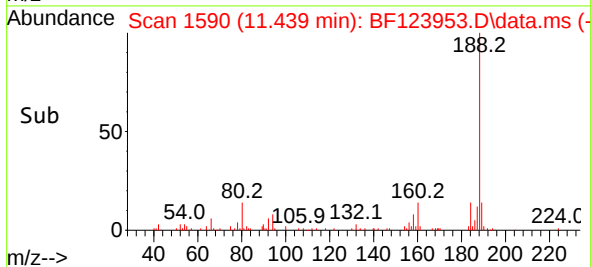
Tgt Ion:166 Resp: 636425
Ion Ratio Lower Upper
166 100
165 99.3 73.5 110.3
167 13.6 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



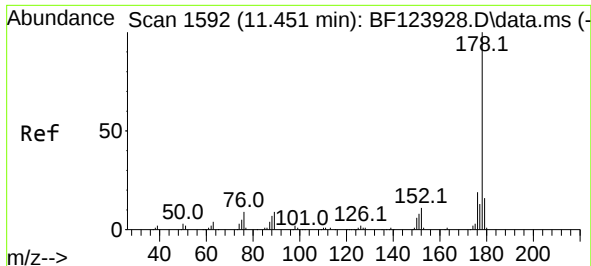
Tgt Ion:188 Resp: 104255
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 13.5 8.2 12.2#



Instrument :
BNA_F
ClientSampleId :
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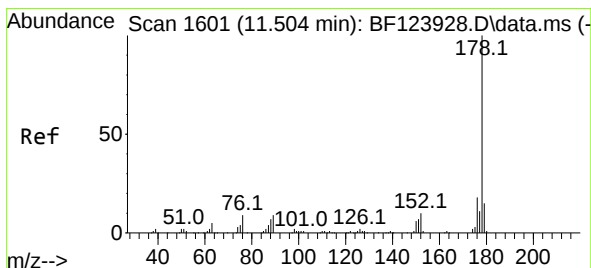
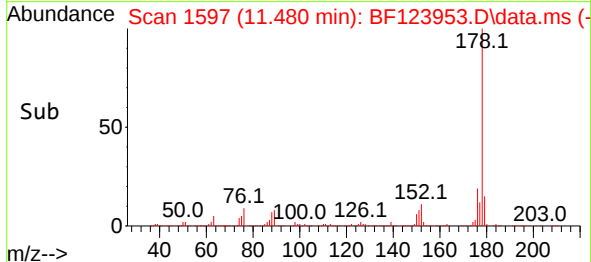
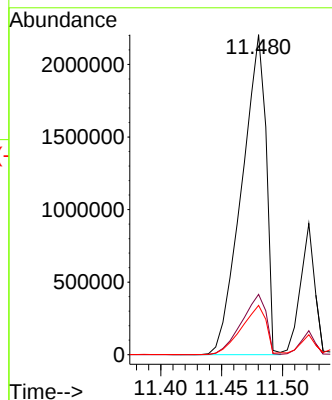
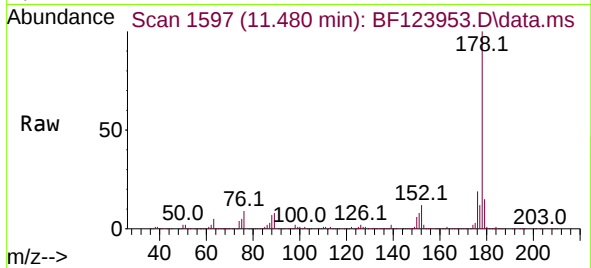
#71
Phenanthrene
Concen: 461.88 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:178 Resp: 3051856
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.4 12.5 18.7

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

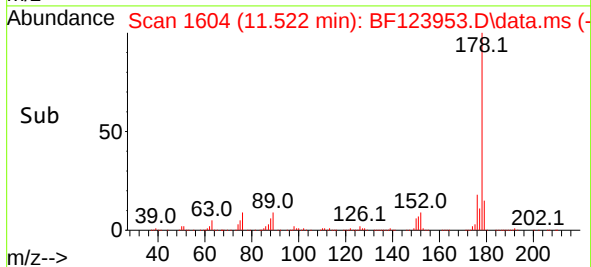
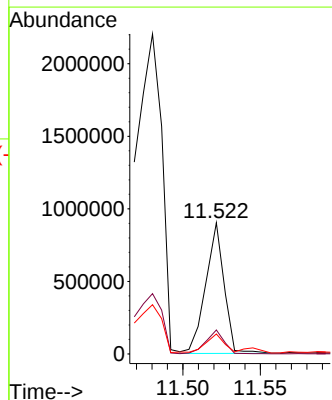
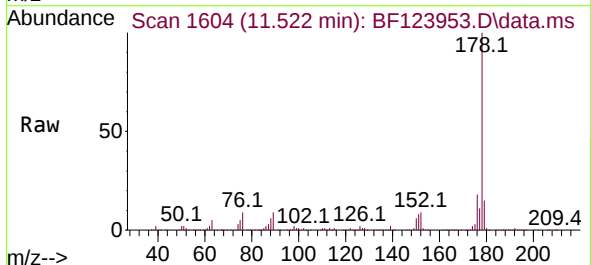
Manual Integrations
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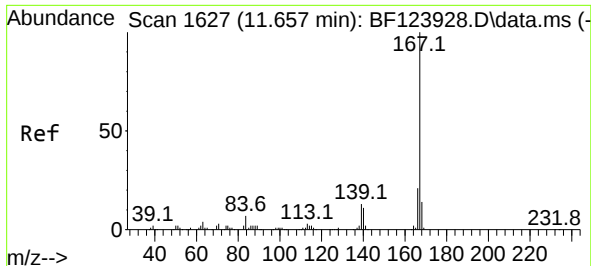
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#72
Anthracene
Concen: 111.80 ng
RT: 11.522 min Scan# 1604
Delta R.T. 0.018 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

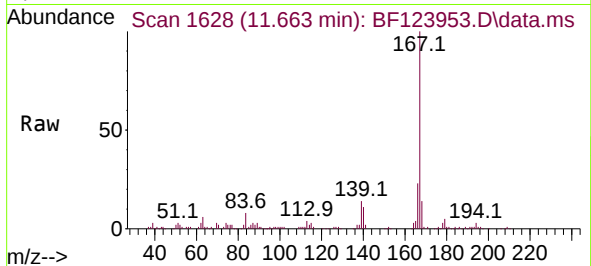
Tgt Ion:178 Resp: 748602
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.3 12.6 18.8





#73
Carbazole
Concen: 22.23 ng
RT: 11.663 min Scan# 1628
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

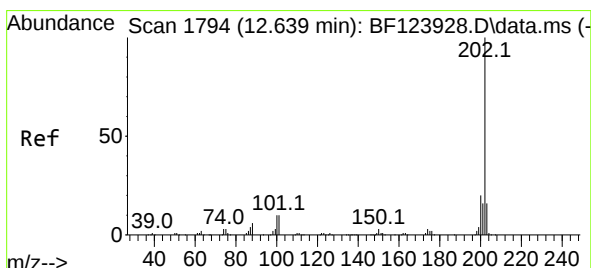
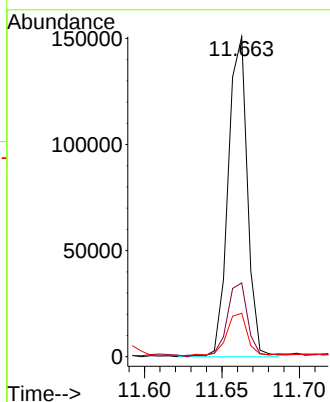
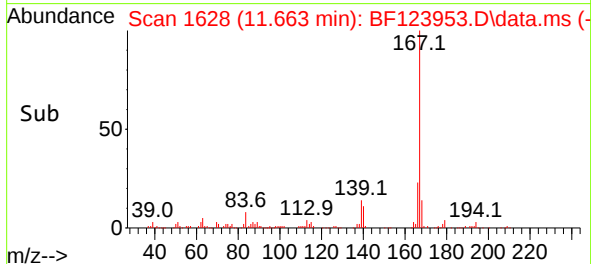
Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)



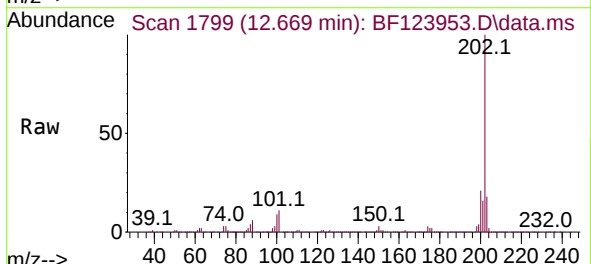
Tgt Ion:167 Resp: 130195
Ion Ratio Lower Upper
167 100
166 23.1 17.0 25.6
139 13.5 10.4 15.6

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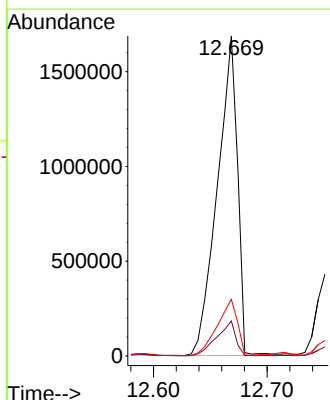
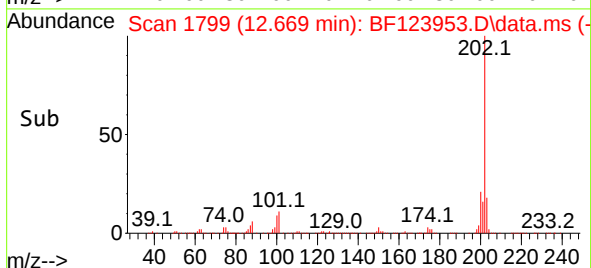
mohammad
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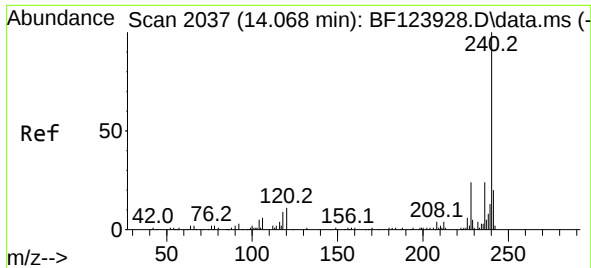


#75
Fluoranthene
Concen: 303.50 ng
RT: 12.669 min Scan# 1799
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



Tgt Ion:202 Resp: 2076456
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.9
203 17.7 0.0 37.5





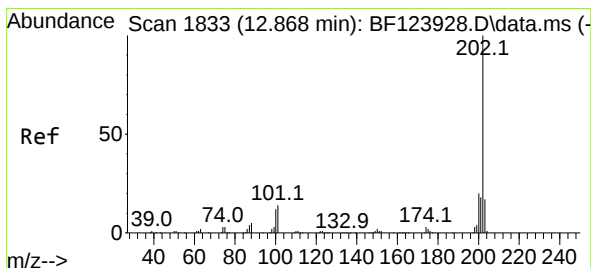
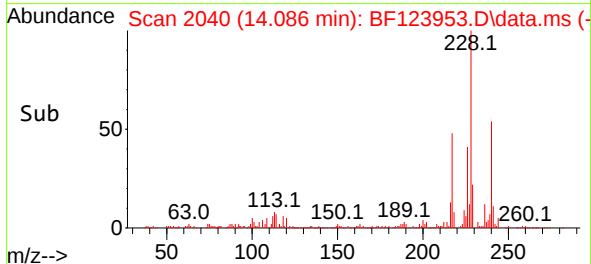
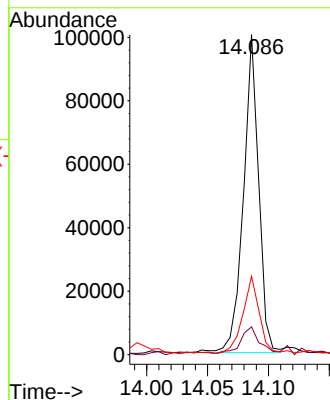
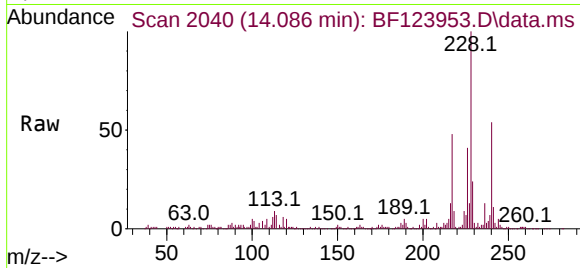
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.018 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:240 Resp: 87204
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 24.5 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

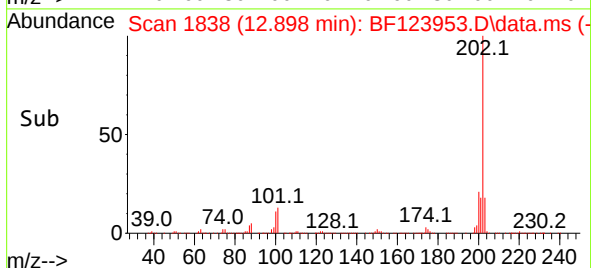
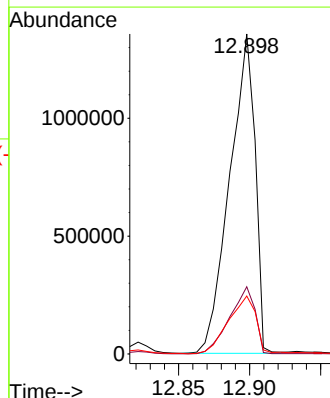
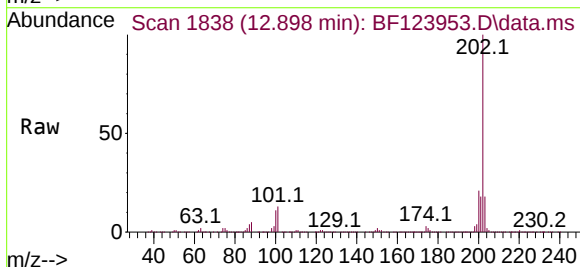
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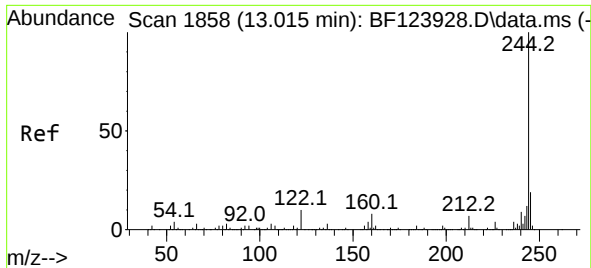
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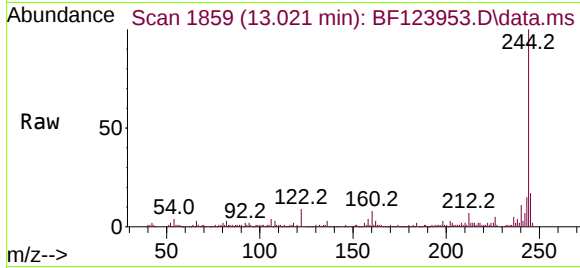
#78
Pyrene
Concen: 217.30 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:202 Resp: 1682330
Ion Ratio Lower Upper
202 100
200 21.0 16.1 24.1
203 18.1 14.8 22.2

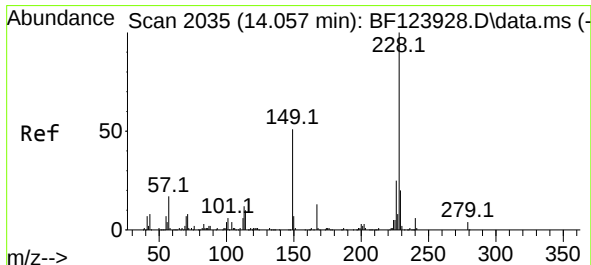
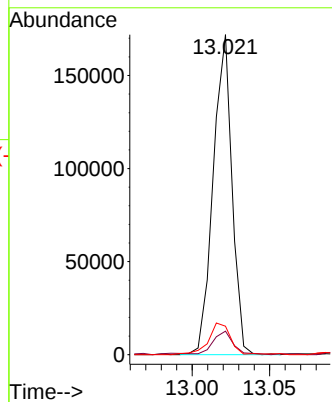
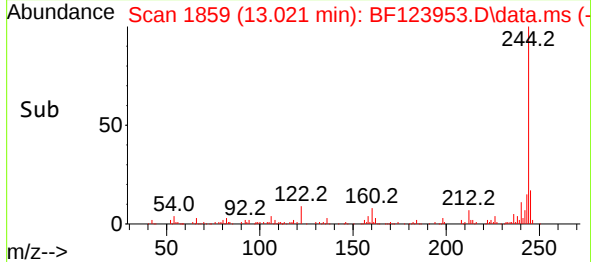




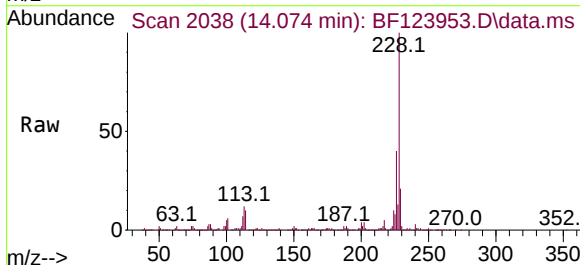
#79
Terphenyl-d14
Concen: 25.18 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.006 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



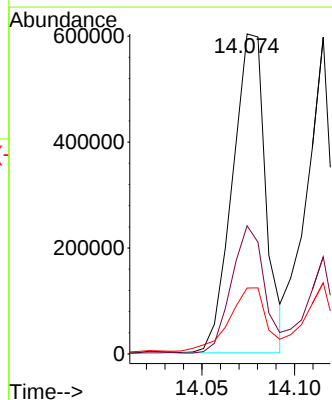
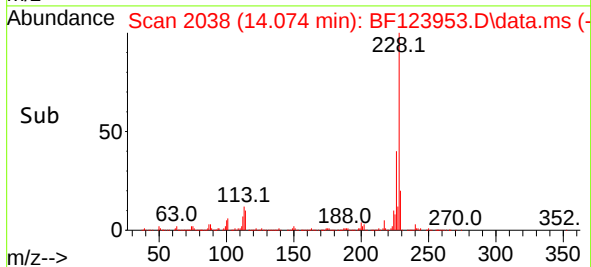
Tgt Ion:244 Resp: 144962
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 8.9 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 119.54 ng m
RT: 14.074 min Scan# 2038
Delta R.T. 0.018 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



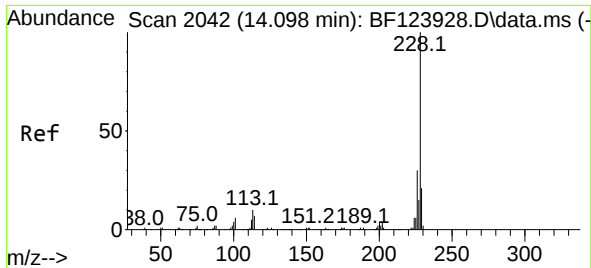
Tgt Ion:228 Resp: 753926
Ion Ratio Lower Upper
228 100
226 40.0 22.4 33.6#
229 20.6 16.0 24.0



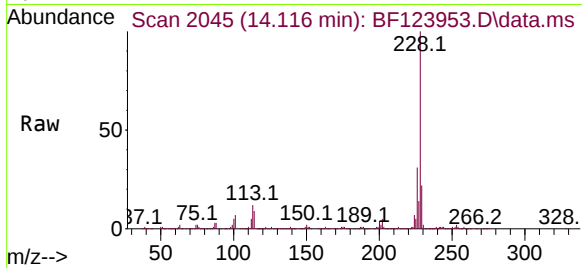
Instrument :
BNA_F
ClientSampled :
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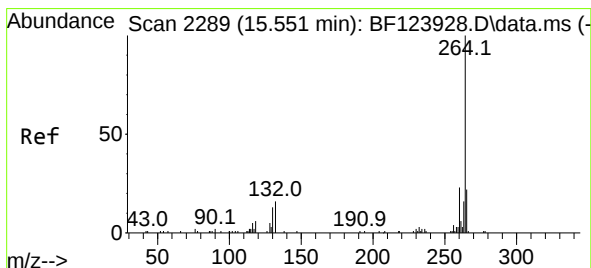
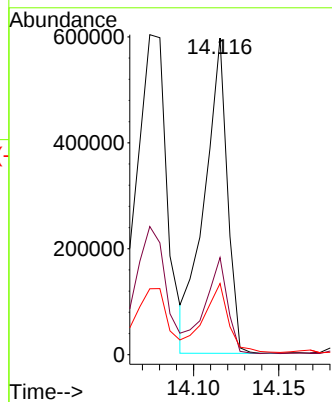
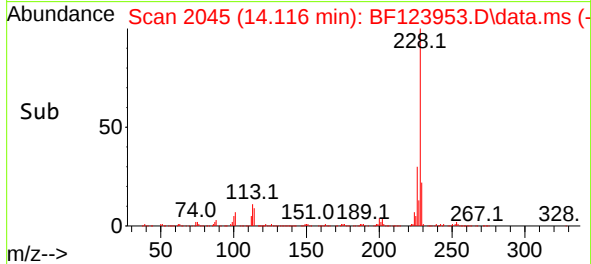
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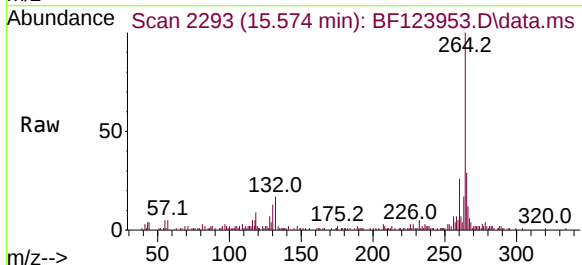
#83
Chrysene
Concen: 91.76 ng
RT: 14.116 min Scan# 2045
Delta R.T. 0.018 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



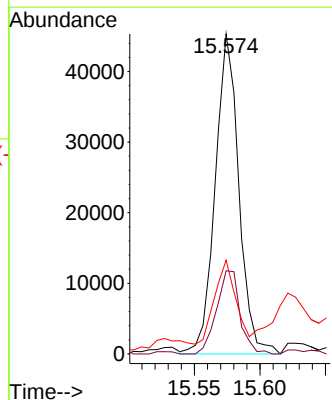
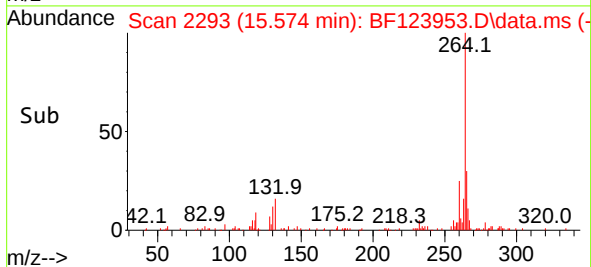
Tgt Ion:228 Resp: 556627
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.5 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.024 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26



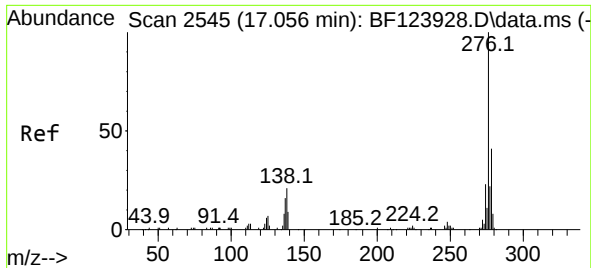
Tgt Ion:264 Resp: 56729
Ion Ratio Lower Upper
264 100
260 26.0 18.7 28.1
265 29.3 17.8 26.8#



Instrument :
BNA_F
ClientSampleId :
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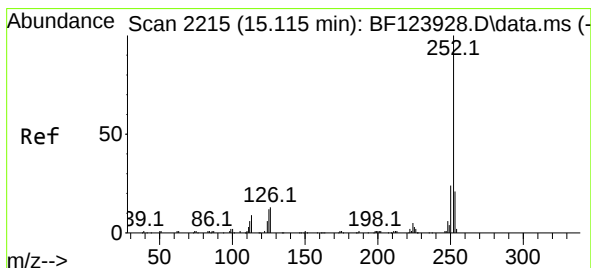
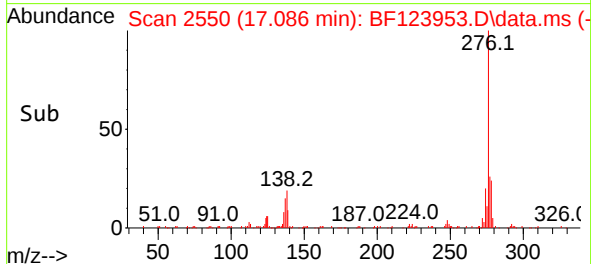
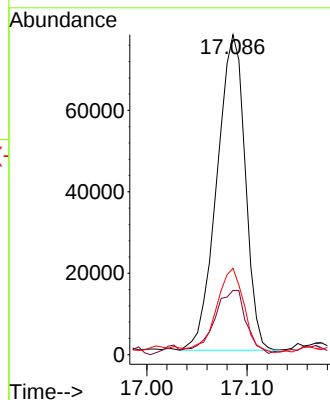
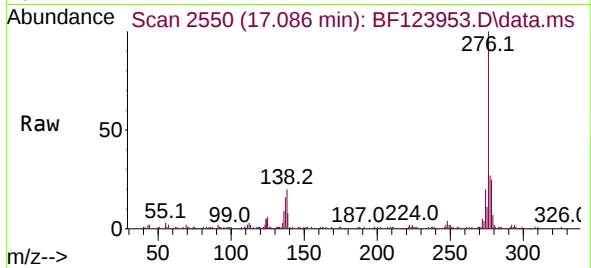
#87
Indeno(1,2,3-cd)pyrene
Concen: 34.62 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:276 Resp: 151672
Ion Ratio Lower Upper
276 100
138 22.1 16.2 24.2
277 26.0 20.1 30.1

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

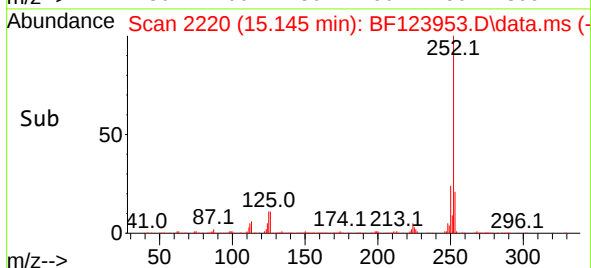
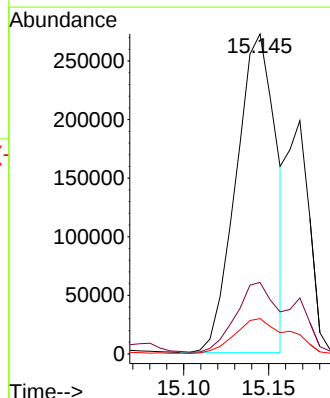
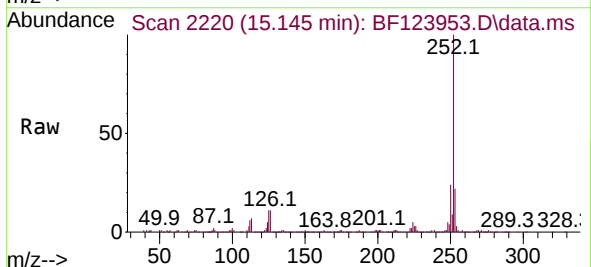
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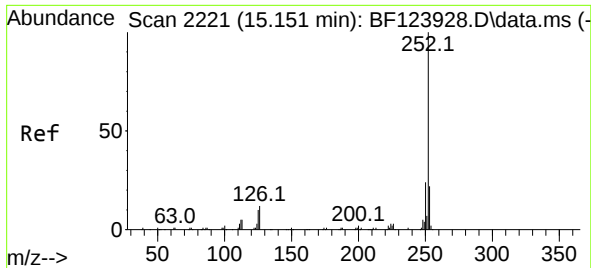
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#88
Benzo(b)fluoranthene
Concen: 100.69 ng m
RT: 15.145 min Scan# 2220
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:252 Resp: 441883
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 11.0 6.2 9.4#





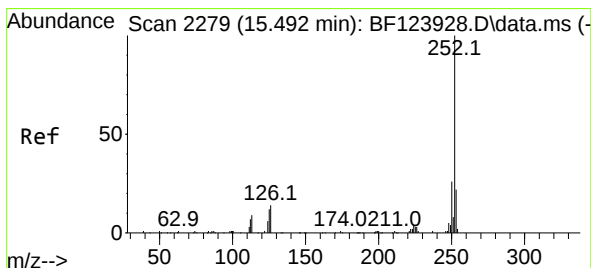
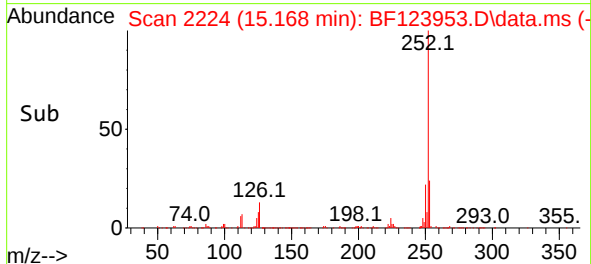
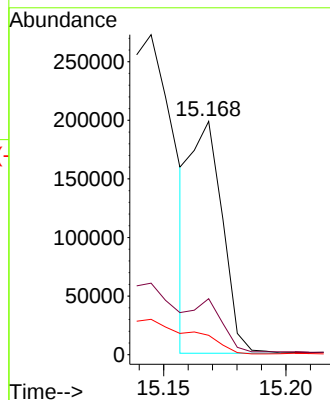
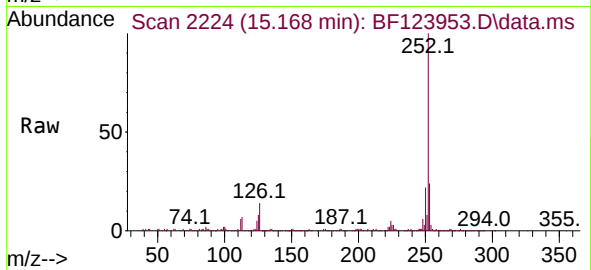
#89
Benzo(k)fluoranthene
Concen: 44.72 ng m
RT: 15.168 min Scan# 2224
Delta R.T. 0.018 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:252 Resp: 178866
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 8.3 7.0 10.6

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

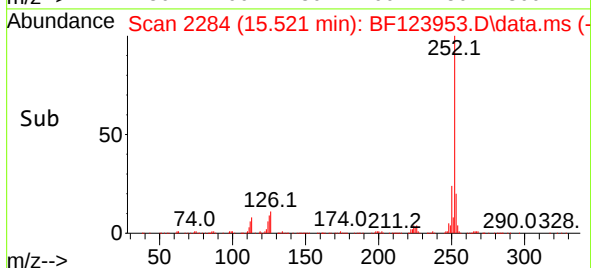
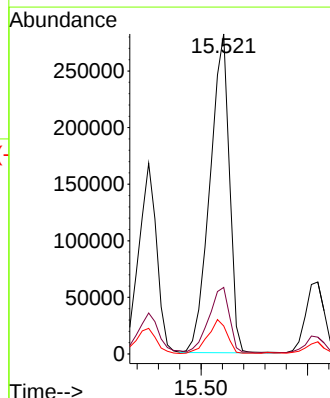
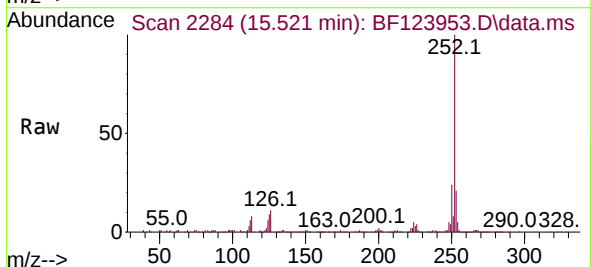
Manual Integrations
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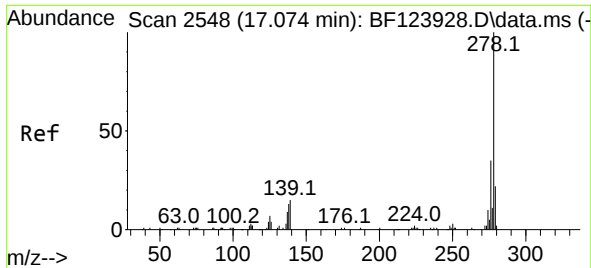
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#90
Benzo(a)pyrene
Concen: 94.05 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.029 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion:252 Resp: 356793
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 8.7 8.0 12.0





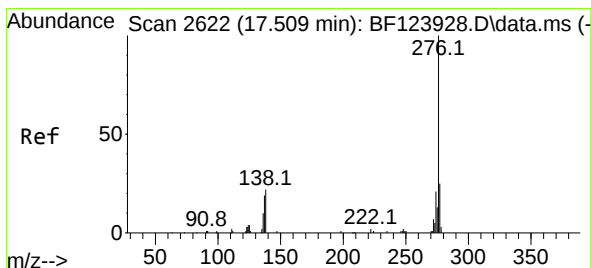
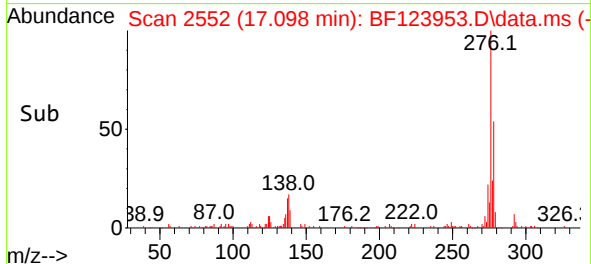
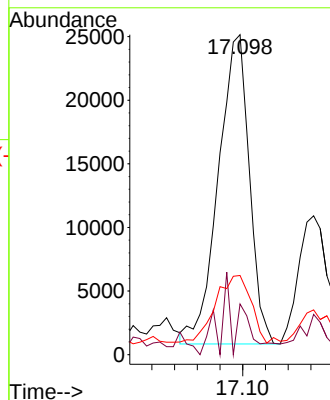
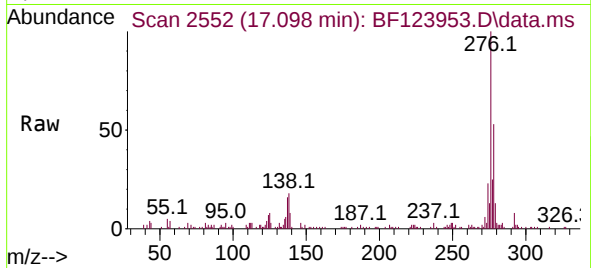
#91
Dibenzo(a,h)anthracene
Concen: 12.50 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.024 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion: 278 Resp: 46125
Ion Ratio Lower Upper
278 100
139 15.8 10.2 15.2#
279 24.7 19.4 29.0

Instrument :
BNA_F
ClientSampleId :
KSB-01(6-8)

Manual Integrations
APPROVED

mohammad
5/17/2021 11:30:24 AM



#92
Benzo(g,h,i)perylene
Concen: 37.37 ng
RT: 17.545 min Scan# 2628
Delta R.T. 0.035 min
Lab File: BF123953.D
Acq: 15 May 2021 19:26

Tgt Ion: 276 Resp: 138279
Ion Ratio Lower Upper
276 100
277 25.0 18.2 27.2
138 19.4 13.8 20.6

