

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124292.D
 Acq On : 12 Jun 2021 18:19
 Operator : JU/CG
 Sample : M2674-02 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-02-060921

Manual Integrations
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6/14/2021 5:50:52 PM

Quant Time: Jun 14 04:27:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	33126	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	120051	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	64537	20.000	ng	# 0.00
64) Phenanthrene-d10	11.386	188	104556	20.000	ng	0.01
76) Chrysene-d12	14.039	240	90004	20.000	ng	# 0.02
86) Perylene-d12	15.527	264	52044	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	13478	6.125	ng	0.00
7) Phenol-d6	6.498	99	16885	5.708	ng	0.00
23) Nitrobenzene-d5	7.404	82	15996	5.285	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	4948	5.412	ng	0.01
45) 2-Fluorobiphenyl	9.204	172	24382	4.754	ng	0.00
79) Terphenyl-d14	12.968	244	30192	4.606	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.510	94	51487	16.107	ng	97
17) 2-Methylphenol	7.110	107	65938m	33.126	ng	
20) 3+4-Methylphenols	7.281	107	158574	60.124	ng	# 71
27) 2,4-Dimethylphenol	7.933	122	135552	70.868	ng	93
31) Naphthalene	8.151	128	168721	23.507	ng	98
37) 2-Methylnaphthalene	8.845	142	216317	42.977	ng	95
38) 1-Methylnaphthalene	8.945	142	136299	28.978	ng	98
46) 1,1'-Biphenyl	9.310	154	38570	7.080	ng	98
49) Acenaphthylene	9.751	152	16720	2.594	ng	# 43
52) Acenaphthene	9.922	154	15098	3.586	ng	# 72
55) Dibenzofuran	10.098	168	60178	9.133	ng	# 92
58) Fluorene	10.439	166	78482	15.517	ng	95
71) Phenanthrene	11.410	178	109348	16.742	ng	# 95
72) Anthracene	11.463	178	41551	6.317	ng	# 92
75) Fluoranthene	12.604	202	37311	5.442	ng	78
78) Pyrene	12.833	202	55757	6.451	ng	# 84
81) Benzo(a)anthracene	14.027	228	14558	2.220	ng	# 52

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

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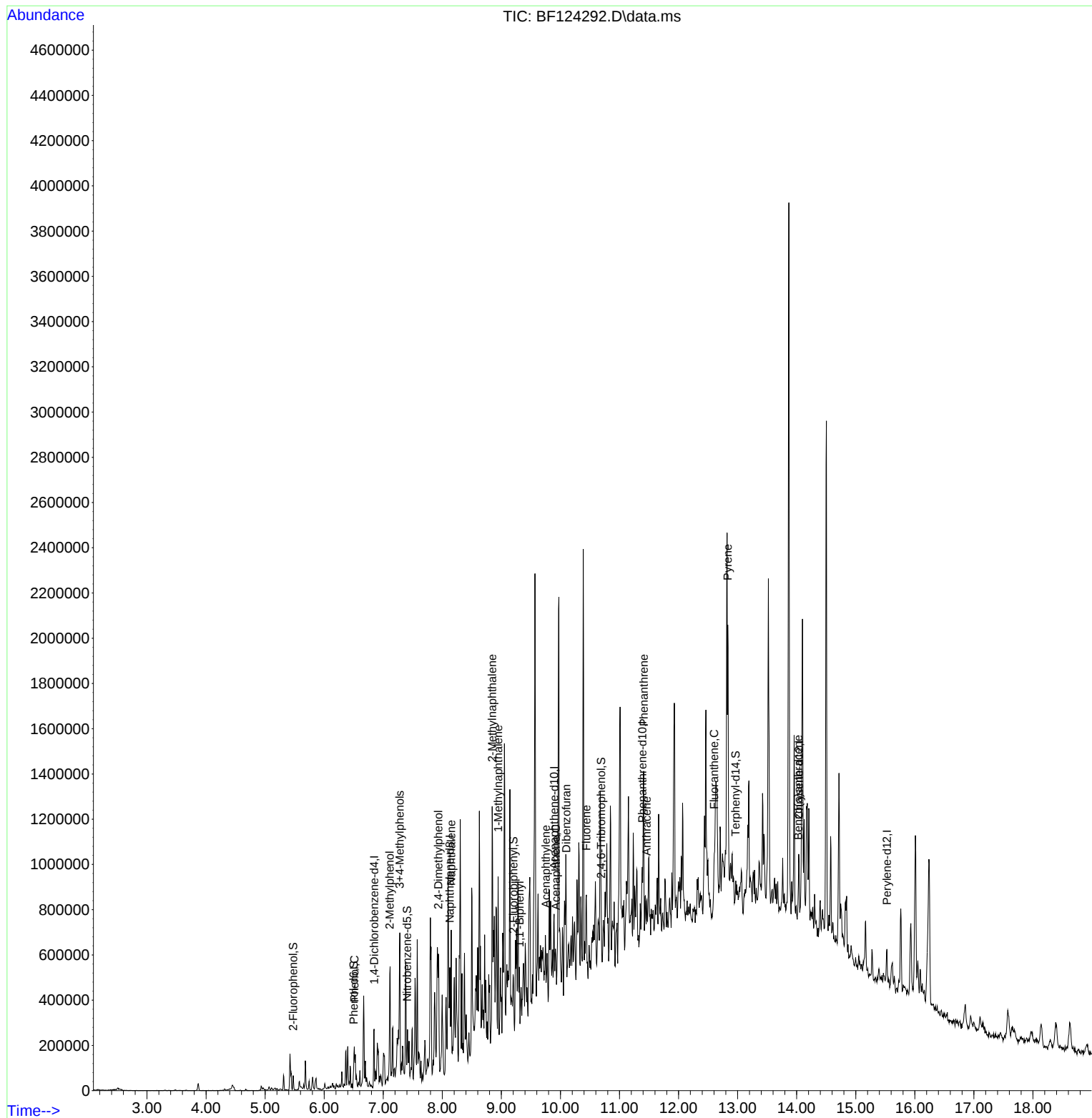
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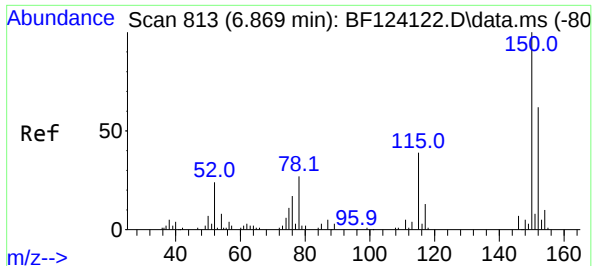
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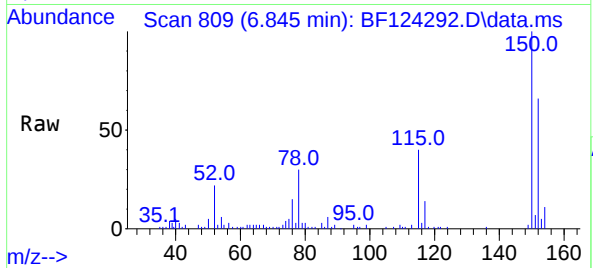
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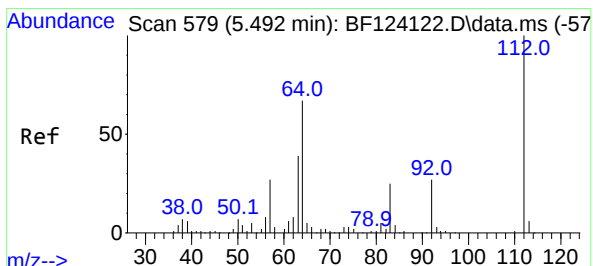
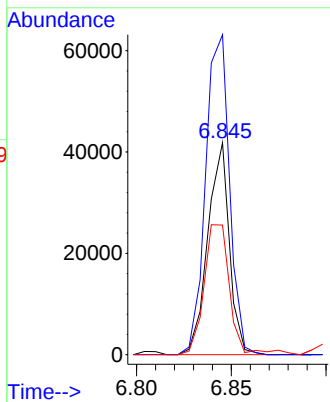
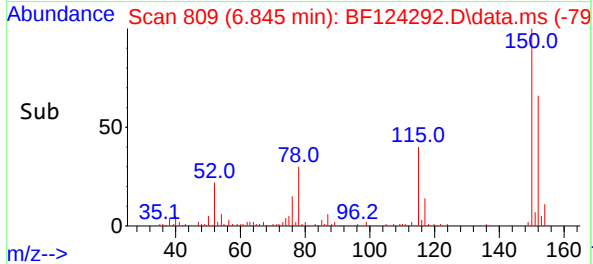




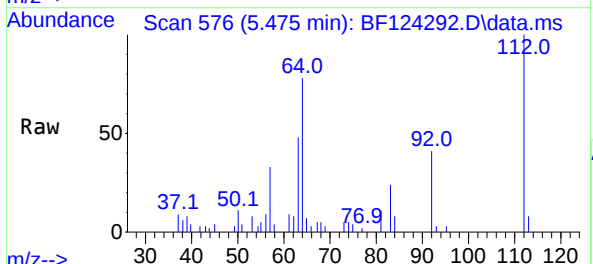
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



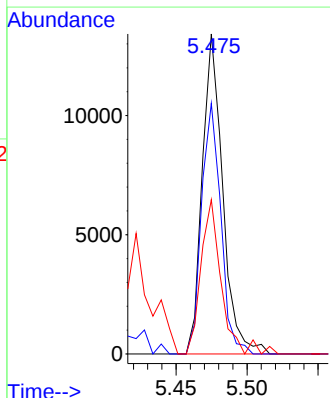
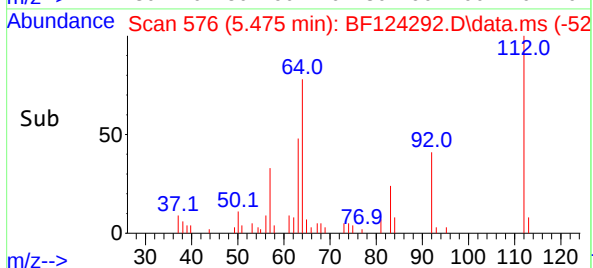
Tgt Ion:152 Resp: 33126
Ion Ratio Lower Upper
152 100
150 150.9 127.0 190.6
115 61.1 54.3 81.5



#5
2-Fluorophenol
Concen: 6.125 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



Tgt Ion:112 Resp: 13478
Ion Ratio Lower Upper
112 100
64 78.3 61.4 92.0
63 48.2 33.0 49.4

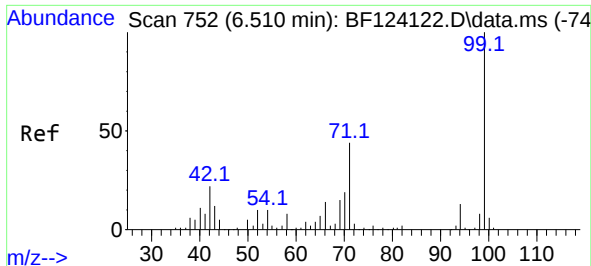


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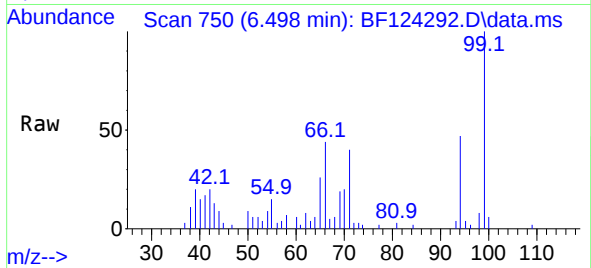
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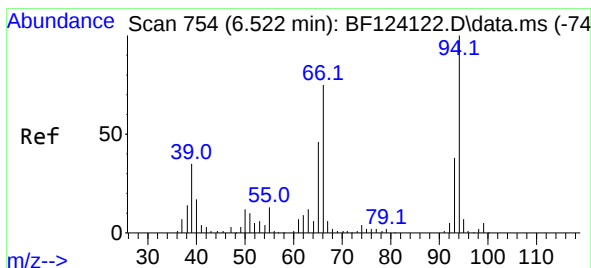
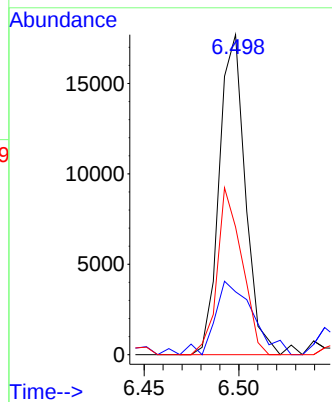
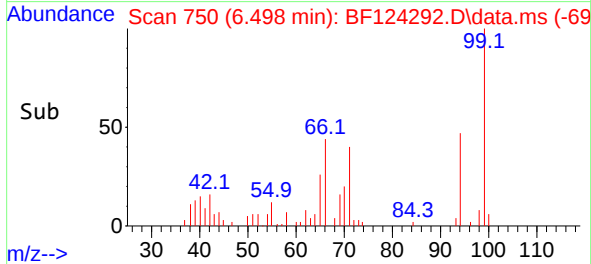
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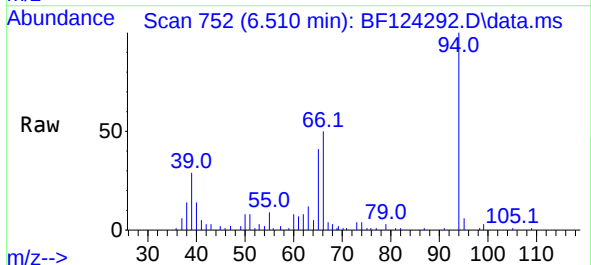
#7
Phenol-d6
Concen: 5.708 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



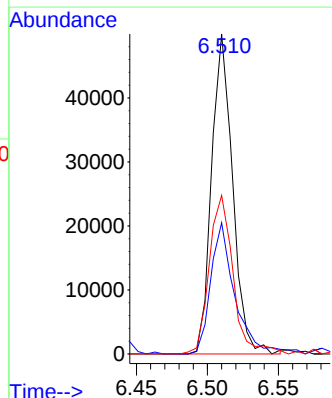
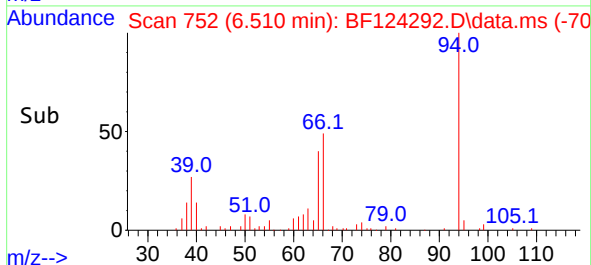
Tgt Ion: 99 Resp: 16885
Ion Ratio Lower Upper
99 100
42 19.6 19.8 29.8#
71 39.9 31.1 46.7



#10
Phenol
Concen: 16.107 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



Tgt Ion: 94 Resp: 51487
Ion Ratio Lower Upper
94 100
65 41.0 18.1 58.1
66 49.6 29.0 69.0

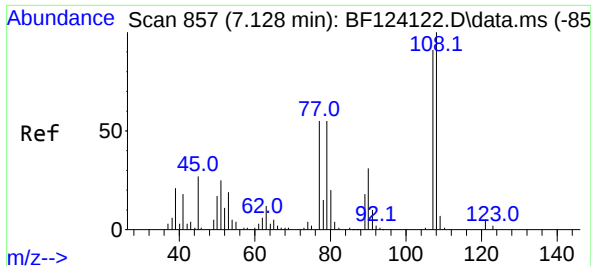


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#17
2-Methylphenol
Concen: 33.126 ng m
RT: 7.110 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

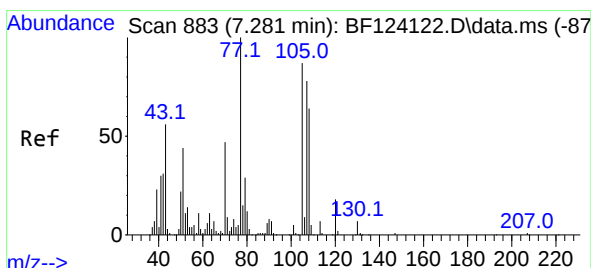
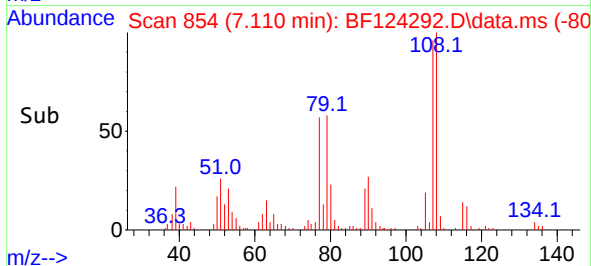
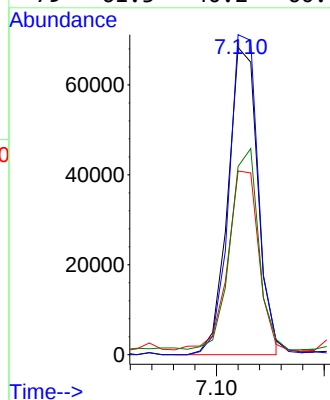
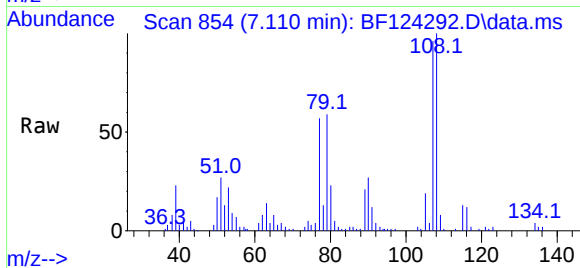
Tgt Ion:	107	Resp:	65938
Ion	Ratio	Lower	Upper
107	100		
108	104.2	89.8	134.8
77	59.8	40.9	61.3
79	61.3	40.2	60.4#

Instrument :
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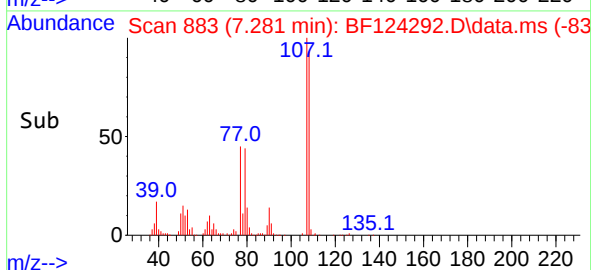
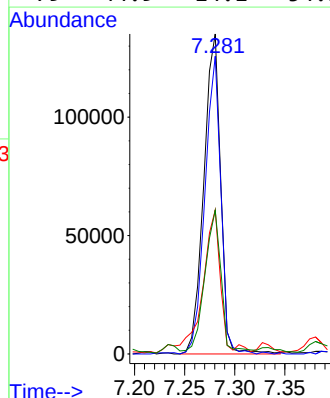
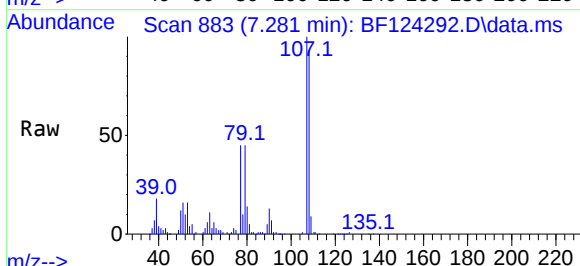
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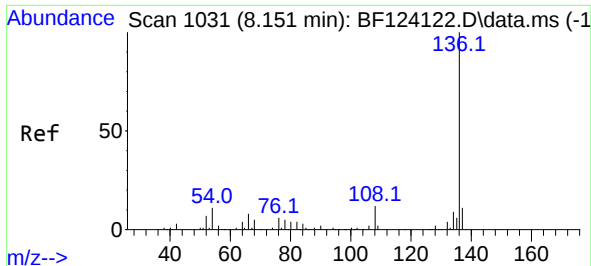
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#20
3+4-Methylphenols
Concen: 60.124 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.012 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:	107	Resp:	158574
Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.5	111.5
77	45.0	82.0	122.0#
79	44.9	14.1	54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

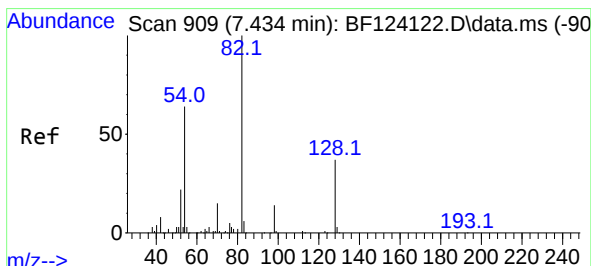
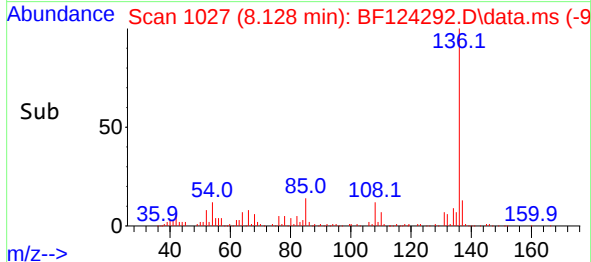
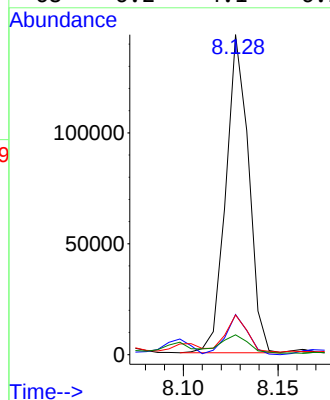
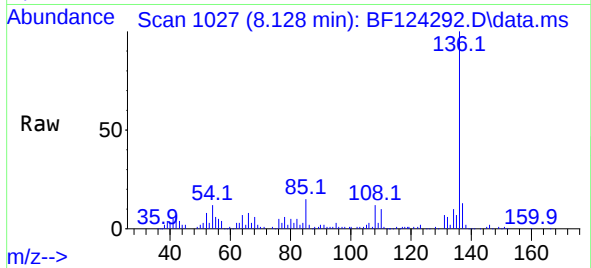
Tgt Ion:	136	Resp:	120051
Ion Ratio	Lower	Upper	
136	100		
137	12.6	8.7	13.1
54	12.4	9.8	14.6
68	6.2	4.1	6.1#

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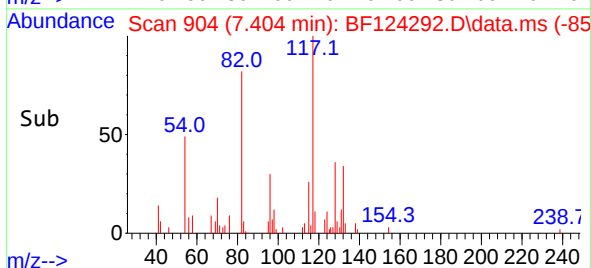
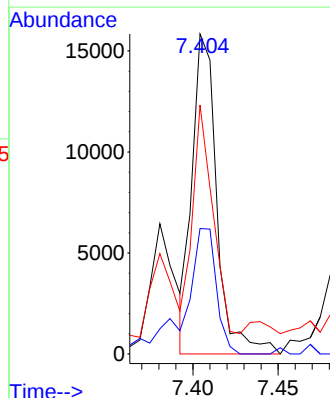
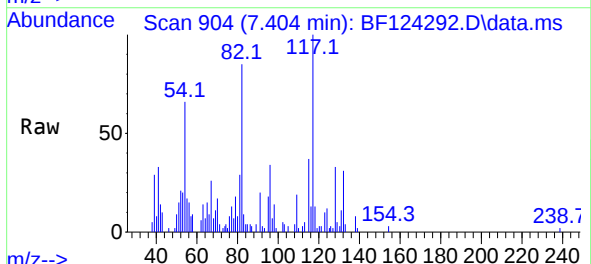
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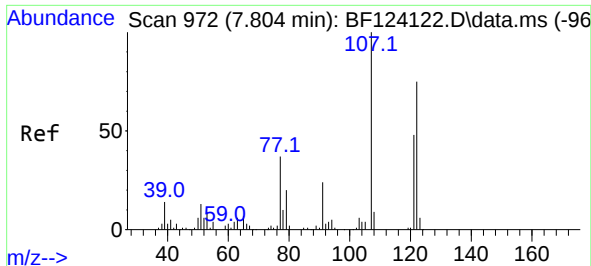
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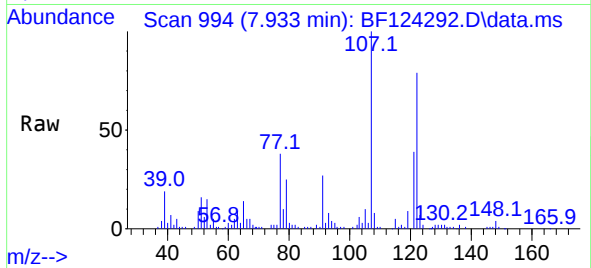
#23
Nitrobenzene-d5
Concen: 5.285 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:	82	Resp:	15996
Ion Ratio	Lower	Upper	
82	100		
128	39.2	29.4	44.2
54	77.8	54.1	81.1

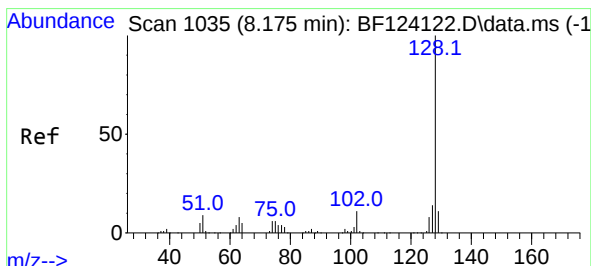
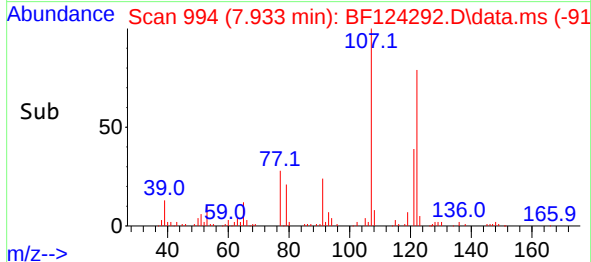
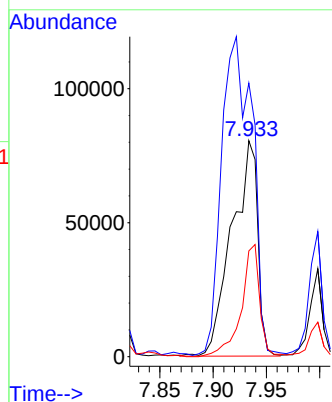




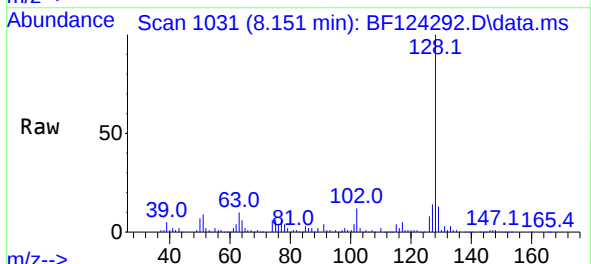
#27
2,4-Dimethylphenol
Concen: 70.868 ng
RT: 7.933 min Scan# 994
Delta R.T. 0.141 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



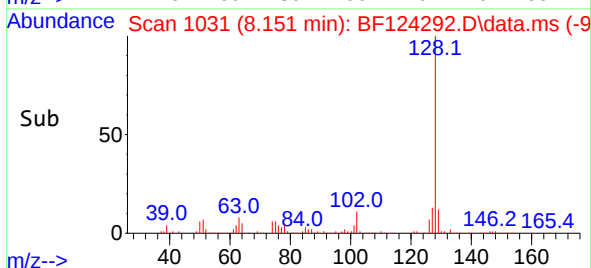
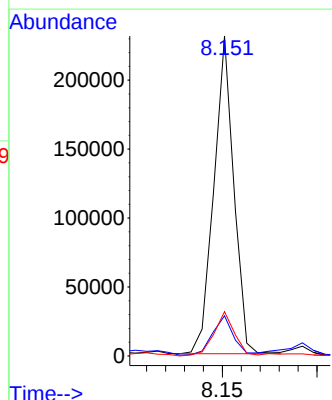
Tgt Ion:122 Resp: 135552
Ion Ratio Lower Upper
122 100
107 126.6 106.3 159.5
121 49.0 45.4 68.0



#31
Naphthalene
Concen: 23.507 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19



Tgt Ion:128 Resp: 168721
Ion Ratio Lower Upper
128 100
129 12.6 8.9 13.3
127 13.9 10.8 16.2

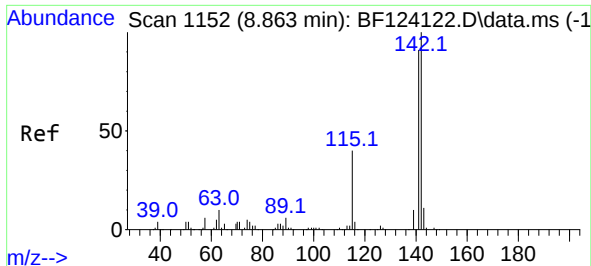


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#37
2-Methylnaphthalene
Concen: 42.977 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

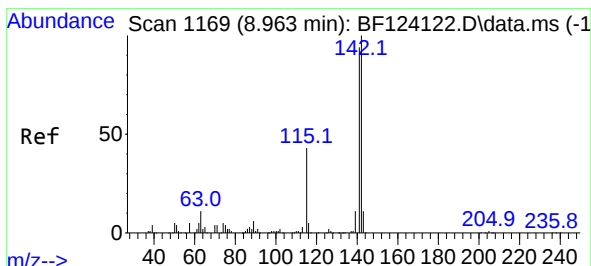
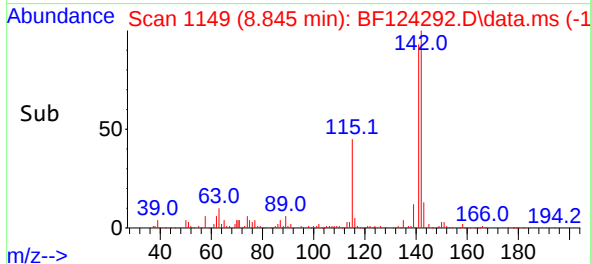
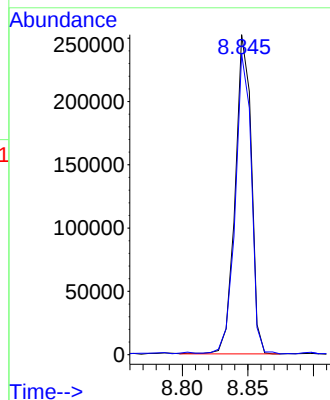
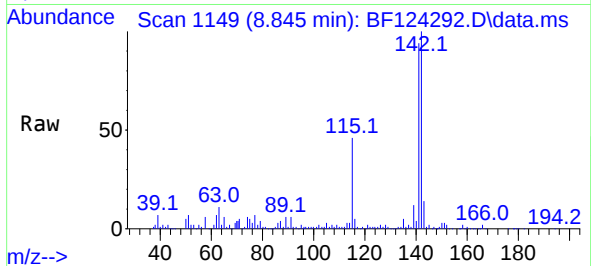
Tgt Ion:142 Resp: 216317
Ion Ratio Lower Upper
142 100
141 94.0 71.8 107.6

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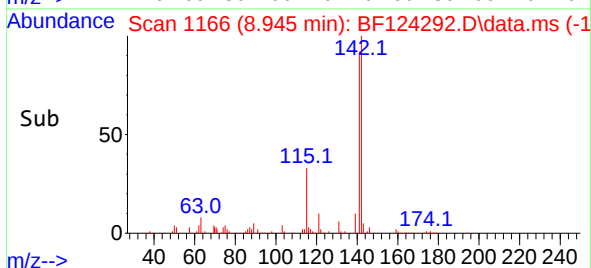
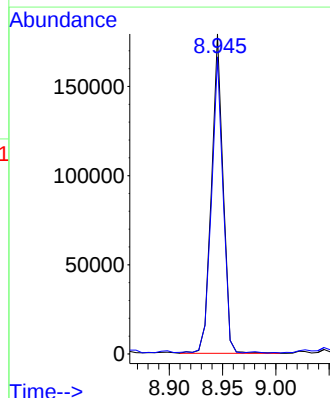
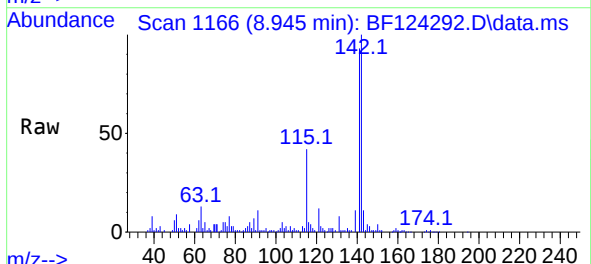
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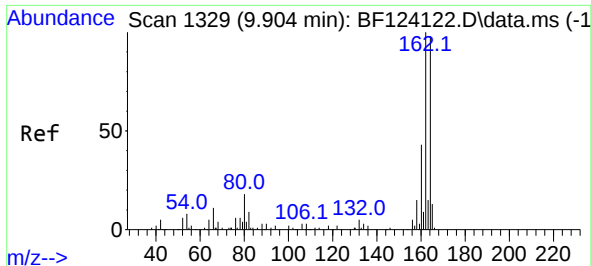
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#38
1-Methylnaphthalene
Concen: 28.978 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:142 Resp: 136299
Ion Ratio Lower Upper
142 100
141 92.9 72.8 109.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

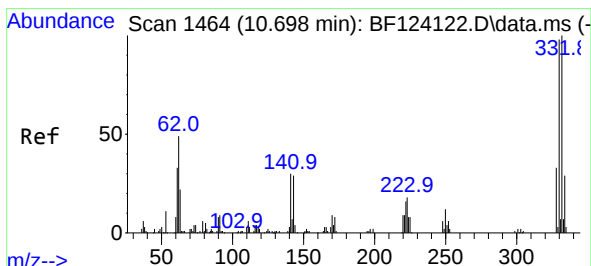
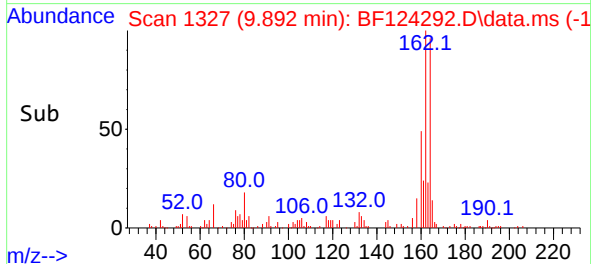
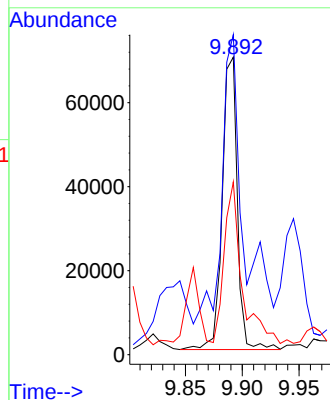
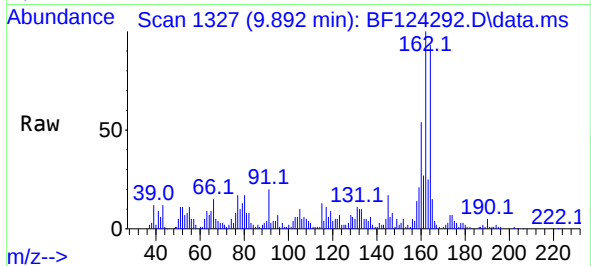
Tgt Ion:164 Resp: 64537
Ion Ratio Lower Upper
164 100
162 107.5 80.7 121.1
160 58.1 37.3 55.9#

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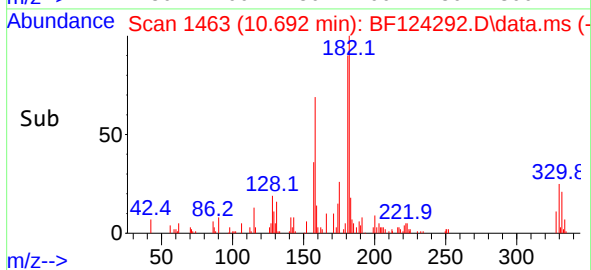
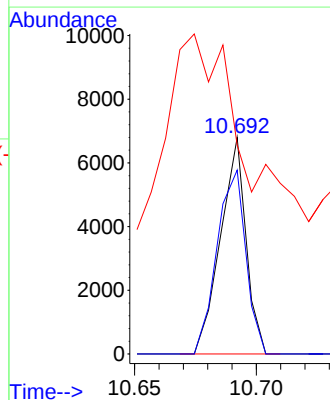
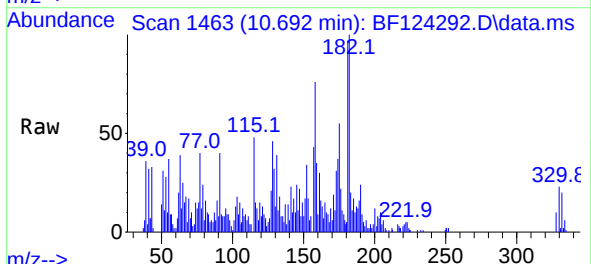
mohammad

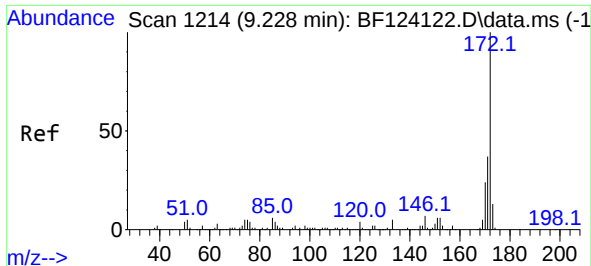
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#42
2,4,6-Tribromophenol
Concen: 5.412 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.012 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:330 Resp: 4948
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 307.5 27.9 41.9#





#45
2-Fluorobiphenyl
Concen: 4.754 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

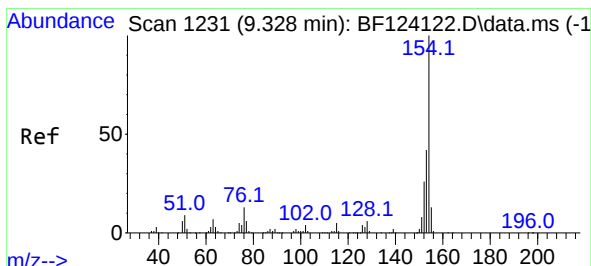
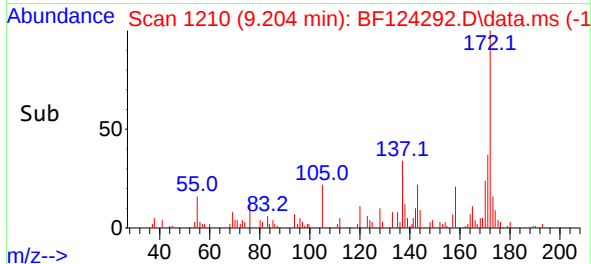
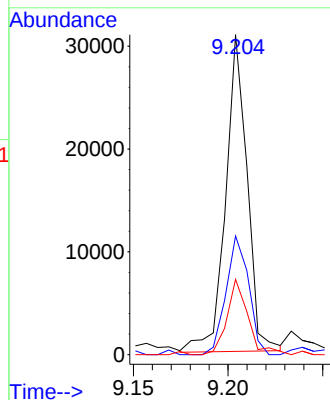
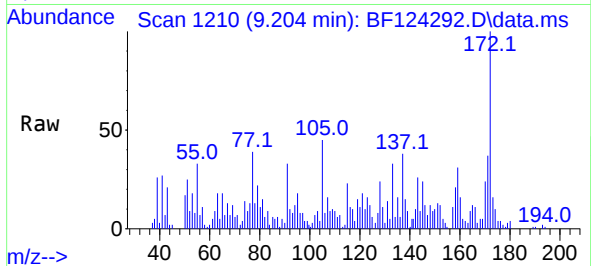
Tgt Ion:172 Resp: 24382
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 23.5 19.2 28.8

Instrument :
BNA_F
ClientSampleId :
TMR-DS-02-060921

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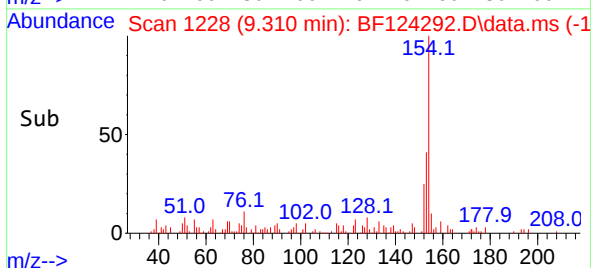
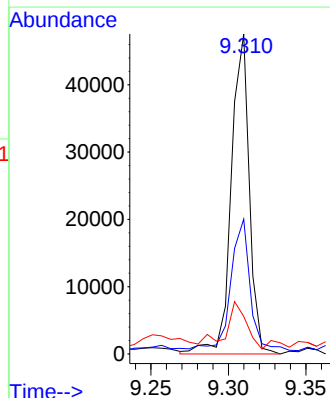
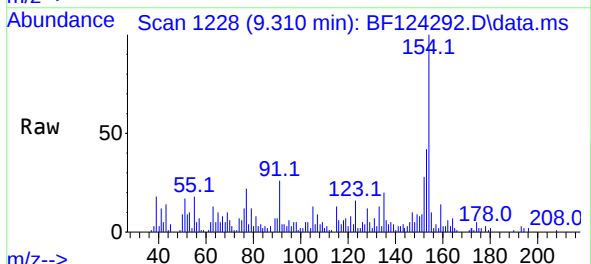
mohammad

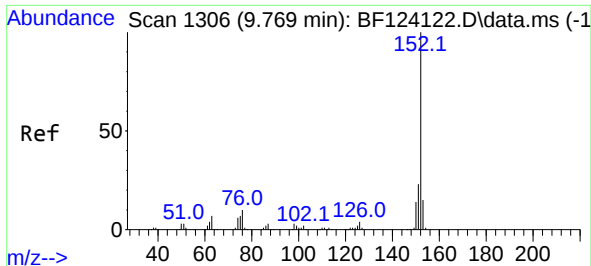
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#46
1,1'-Biphenyl
Concen: 7.080 ng
RT: 9.310 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:154 Resp: 38570
Ion Ratio Lower Upper
154 100
153 42.2 20.7 60.7
76 11.7 0.0 31.7





#49
Acenaphthylene
Concen: 2.594 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

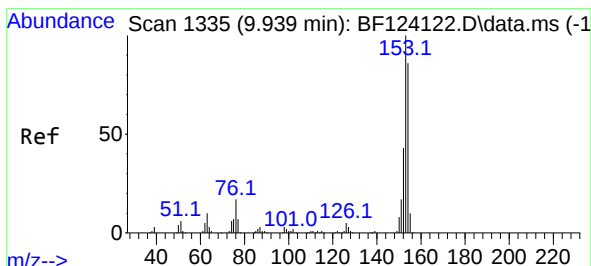
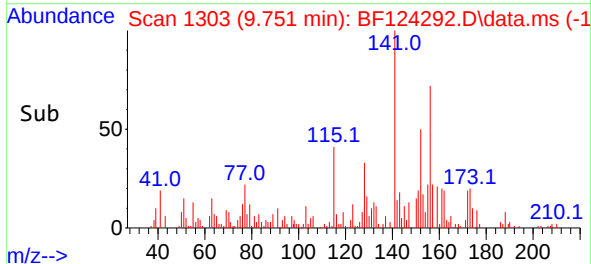
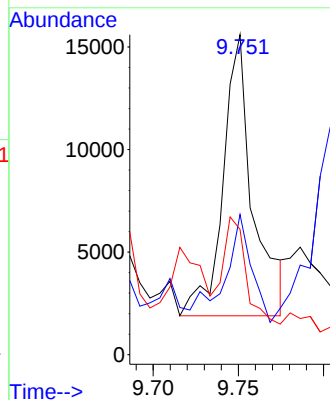
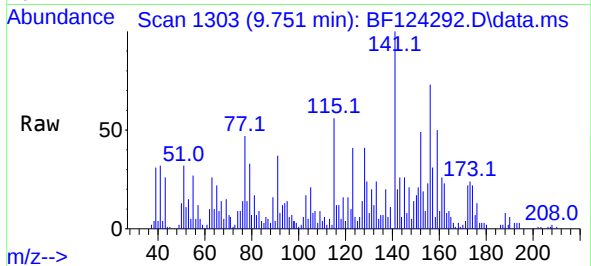
Tgt Ion:152 Resp: 16720
Ion Ratio Lower Upper
152 100
151 43.8 16.0 24.0#
153 39.1 10.4 15.6#

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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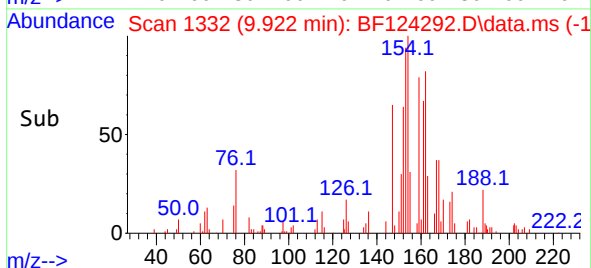
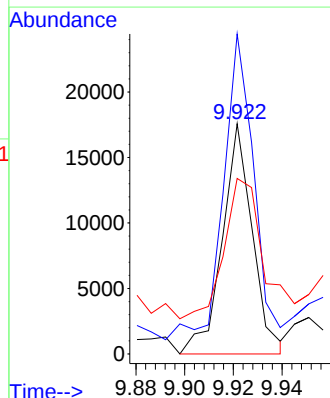
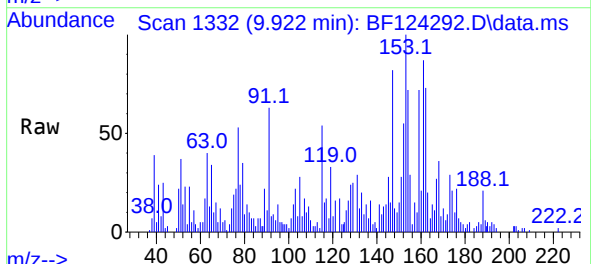
mohammad

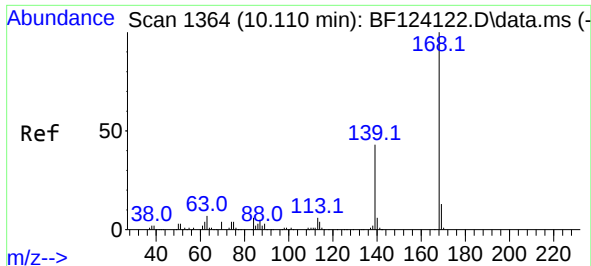
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#52
Acenaphthene
Concen: 3.586 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:154 Resp: 15098
Ion Ratio Lower Upper
154 100
153 138.9 88.1 132.1#
152 76.2 43.4 65.0#





#55
Dibenzenofuran
Concen: 9.133 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

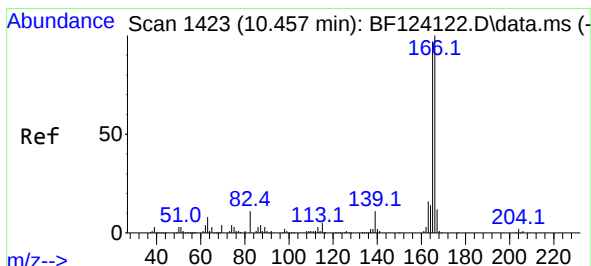
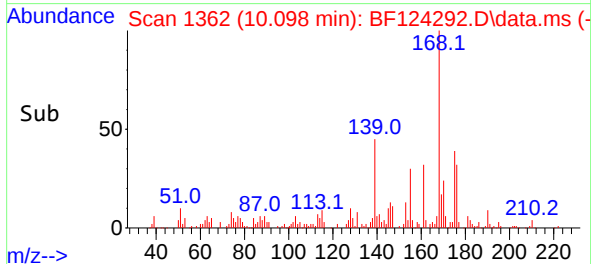
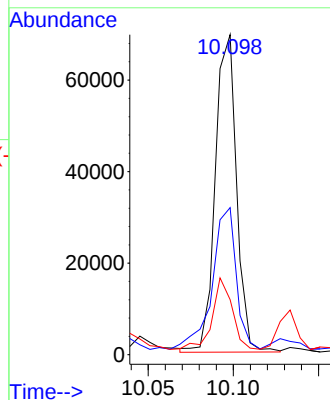
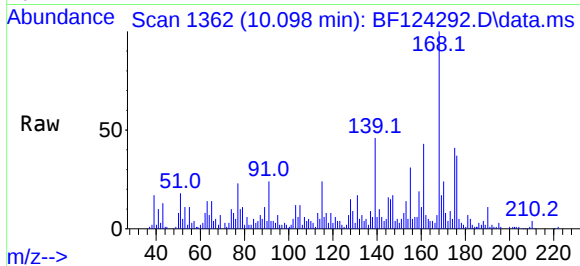
Tgt Ion:168 Resp: 60178
Ion Ratio Lower Upper
168 100
139 45.9 33.2 49.8
169 17.2 10.8 16.2#

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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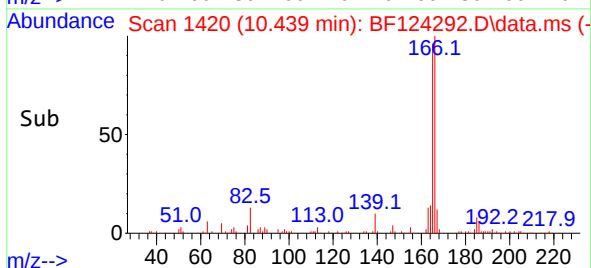
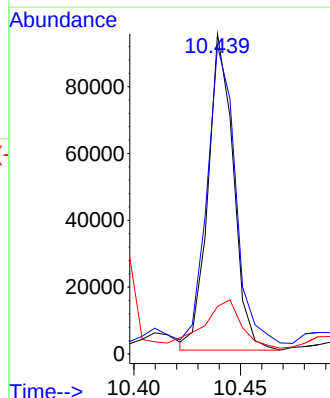
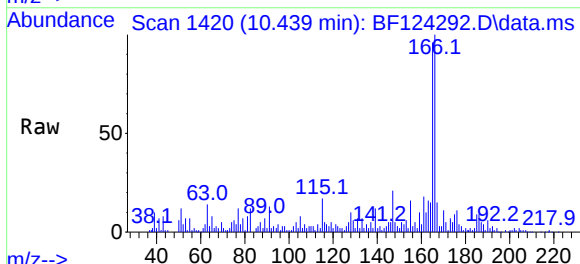
mohammad

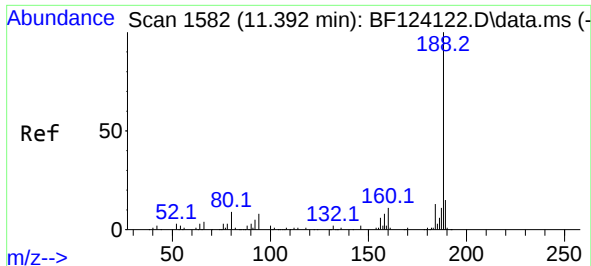
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#58
Fluorene
Concen: 15.517 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:166 Resp: 78482
Ion Ratio Lower Upper
166 100
165 96.4 73.5 110.3
167 14.8 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.012 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

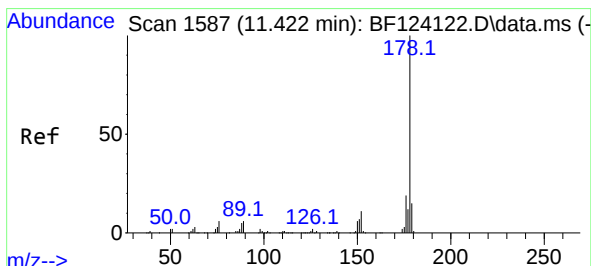
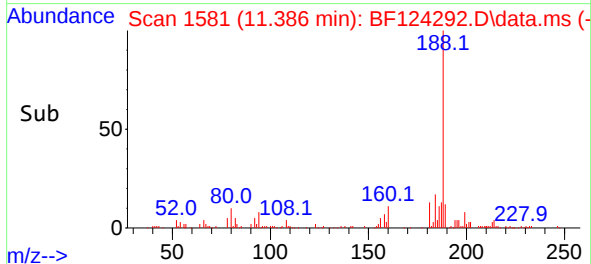
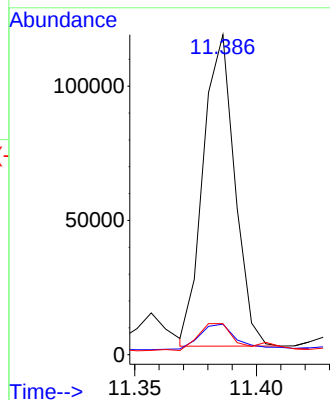
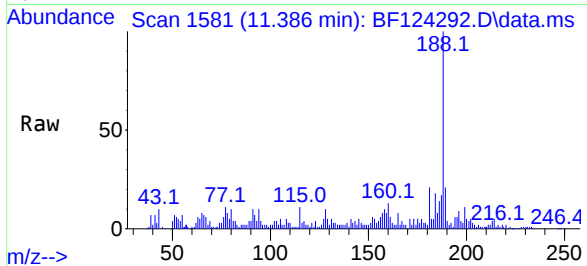
Tgt Ion:188 Resp: 104556
Ion Ratio Lower Upper
188 100
94 9.6 6.9 10.3
80 9.7 8.2 12.2

Instrument :
BNA_F
ClientSampleId :
TMR-DS-02-060921

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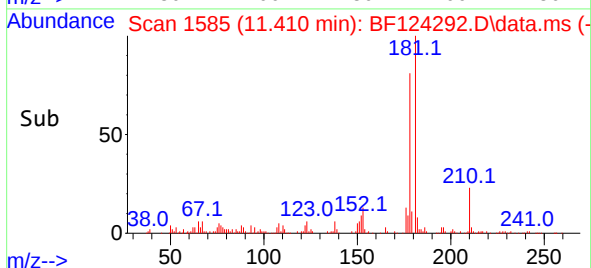
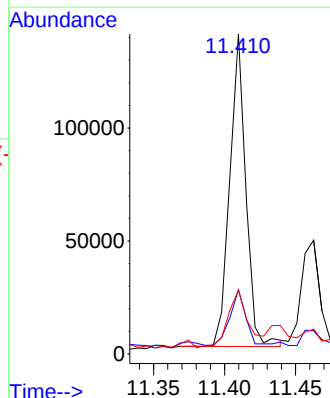
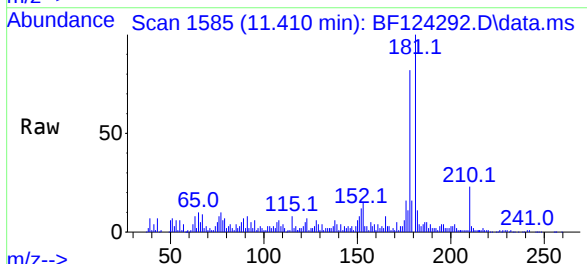
mohammad

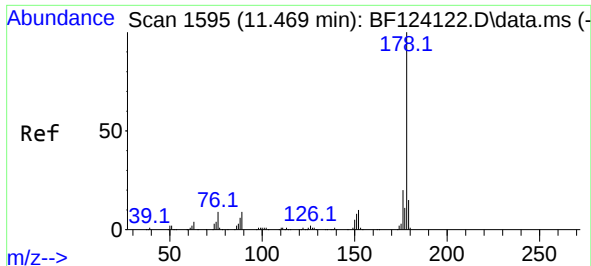
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#71
Phenanthrene
Concen: 16.742 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

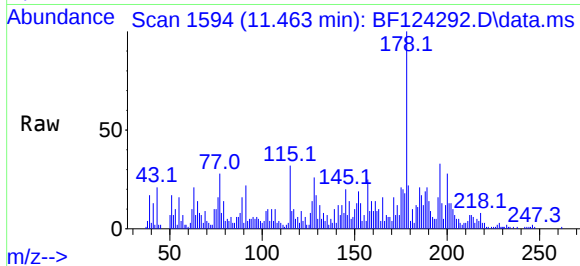
Tgt Ion:178 Resp: 109348
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 19.9 12.5 18.7#





#72
 Anthracene
 Concen: 6.317 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. 0.006 min
 Lab File: BF124292.D
 Acq: 12 Jun 2021 18:19

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-02-060921

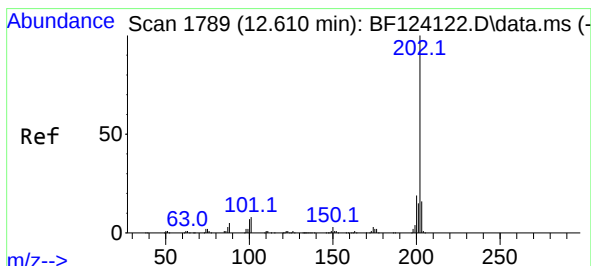
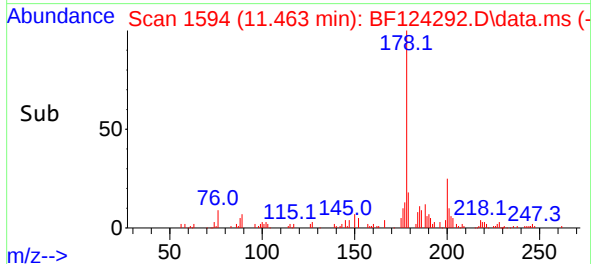
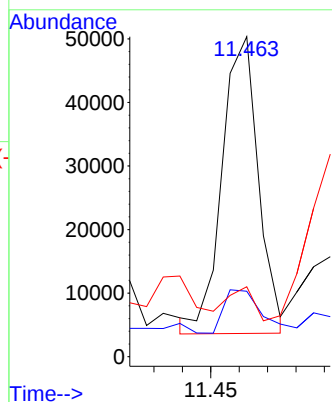


Tgt Ion:178 Resp: 41551
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.4 23.0
 179 21.9 12.6 18.8#

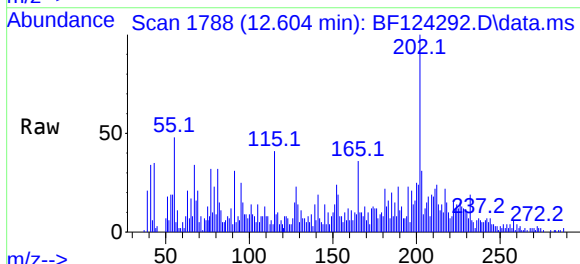
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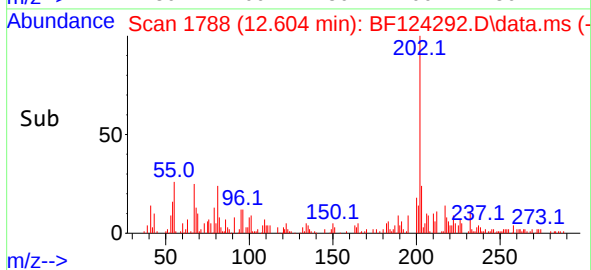
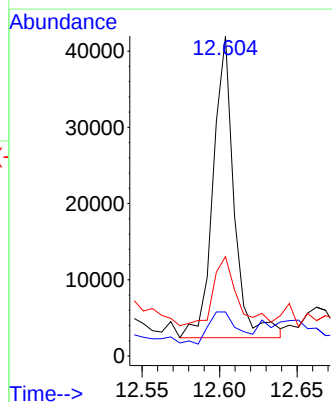
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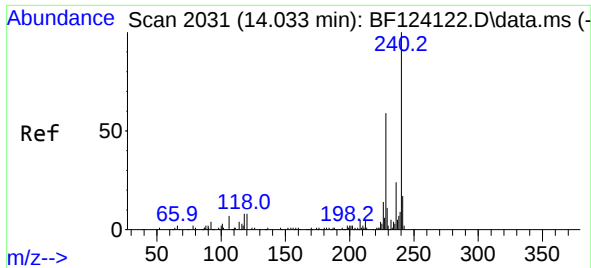


#75
 Fluoranthene
 Concen: 5.442 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.012 min
 Lab File: BF124292.D
 Acq: 12 Jun 2021 18:19



Tgt Ion:202 Resp: 37311
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 30.9
 203 31.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.018 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

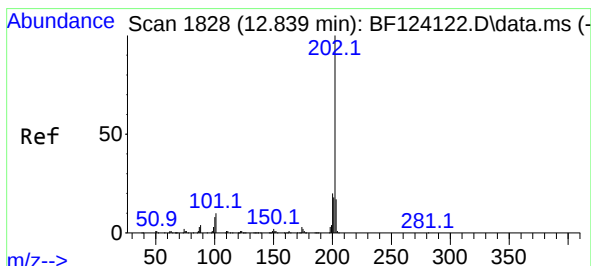
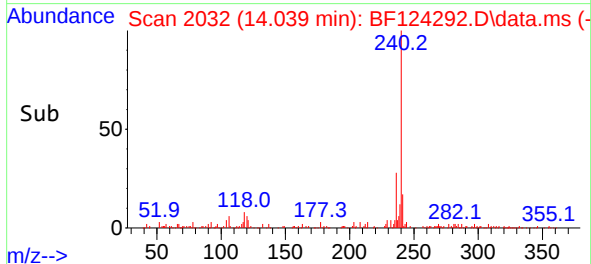
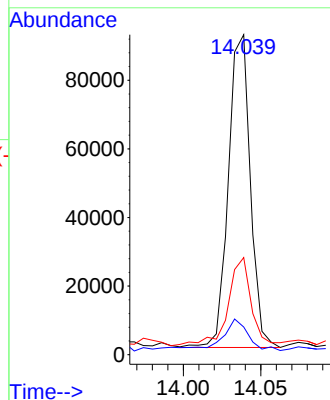
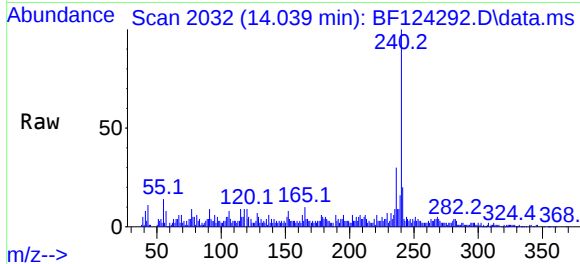
Tgt Ion:240 Resp: 90004
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 30.3 19.0 28.4#

Instrument :
BNA_F
ClientSampleId :
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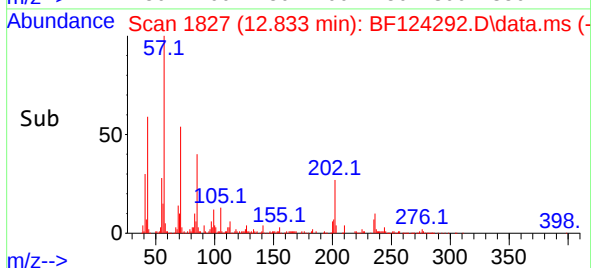
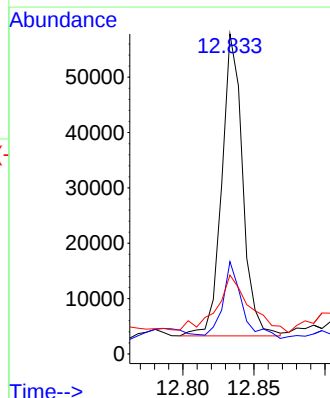
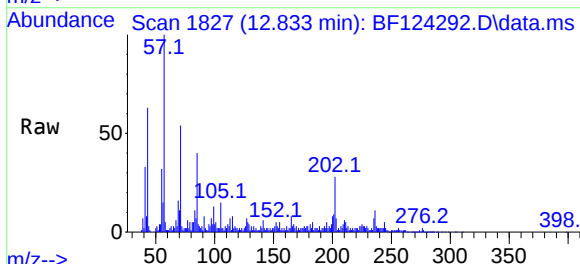
mohammad

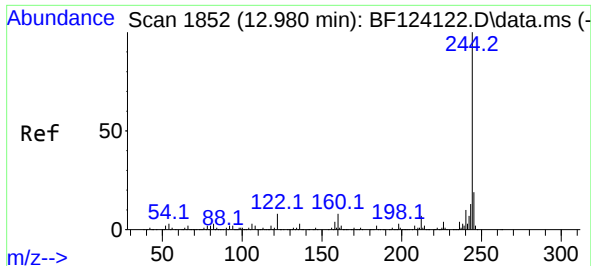
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#78
Pyrene
Concen: 6.451 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:202 Resp: 55757
Ion Ratio Lower Upper
202 100
200 28.9 16.1 24.1#
203 24.6 14.8 22.2#





#79
Terphenyl-d14
Concen: 4.606 ng
RT: 12.968 min Scan# 1850
Delta R.T. 0.006 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

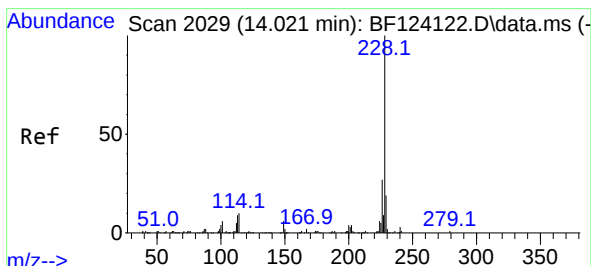
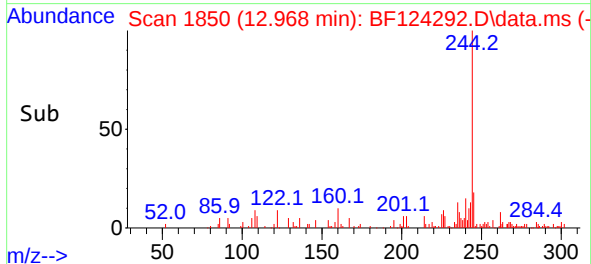
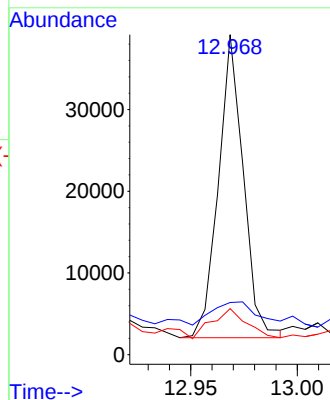
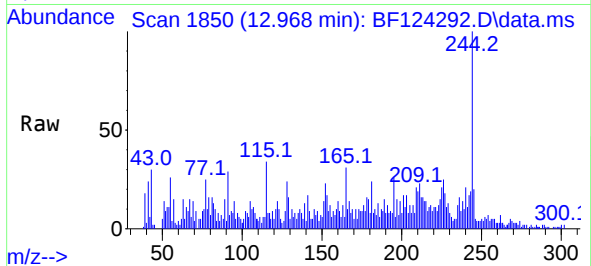
Tgt Ion:244 Resp: 30192
Ion Ratio Lower Upper
244 100
212 16.3 5.7 8.5#
122 14.4 9.7 14.5

Instrument :
BNA_F
ClientSampleId :
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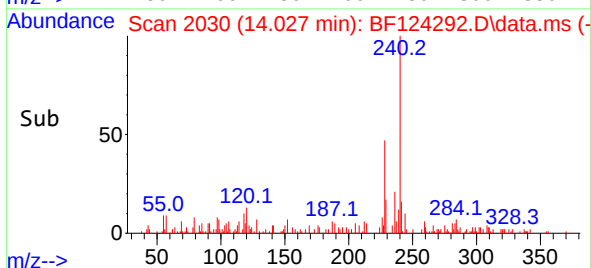
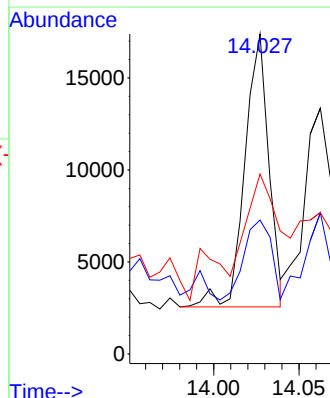
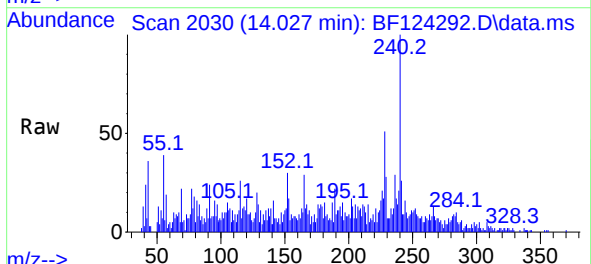
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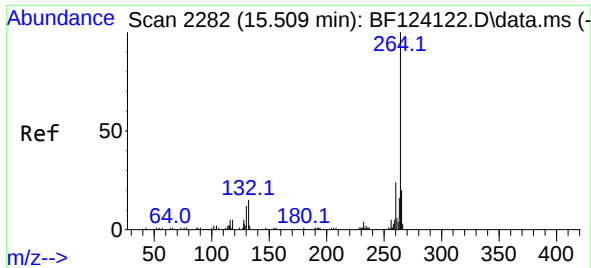
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#81
Benzo(a)anthracene
Concen: 2.220 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.018 min
Lab File: BF124292.D
Acq: 12 Jun 2021 18:19

Tgt Ion:228 Resp: 14558
Ion Ratio Lower Upper
228 100
226 41.8 22.4 33.6#
229 56.2 16.0 24.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2285
 Delta R.T. 0.035 min
 Lab File: BF124292.D
 Acq: 12 Jun 2021 18:19

Tgt Ion: 264 Resp: 52044

Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.7	28.1
265	22.4	17.8	26.8

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-02-060921

Manual Integrations
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