

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124288.D
 Acq On : 12 Jun 2021 16:10
 Operator : JU/CG
 Sample : M2674-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-03-060921

Quant Time: Jun 14 04:26:05 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)

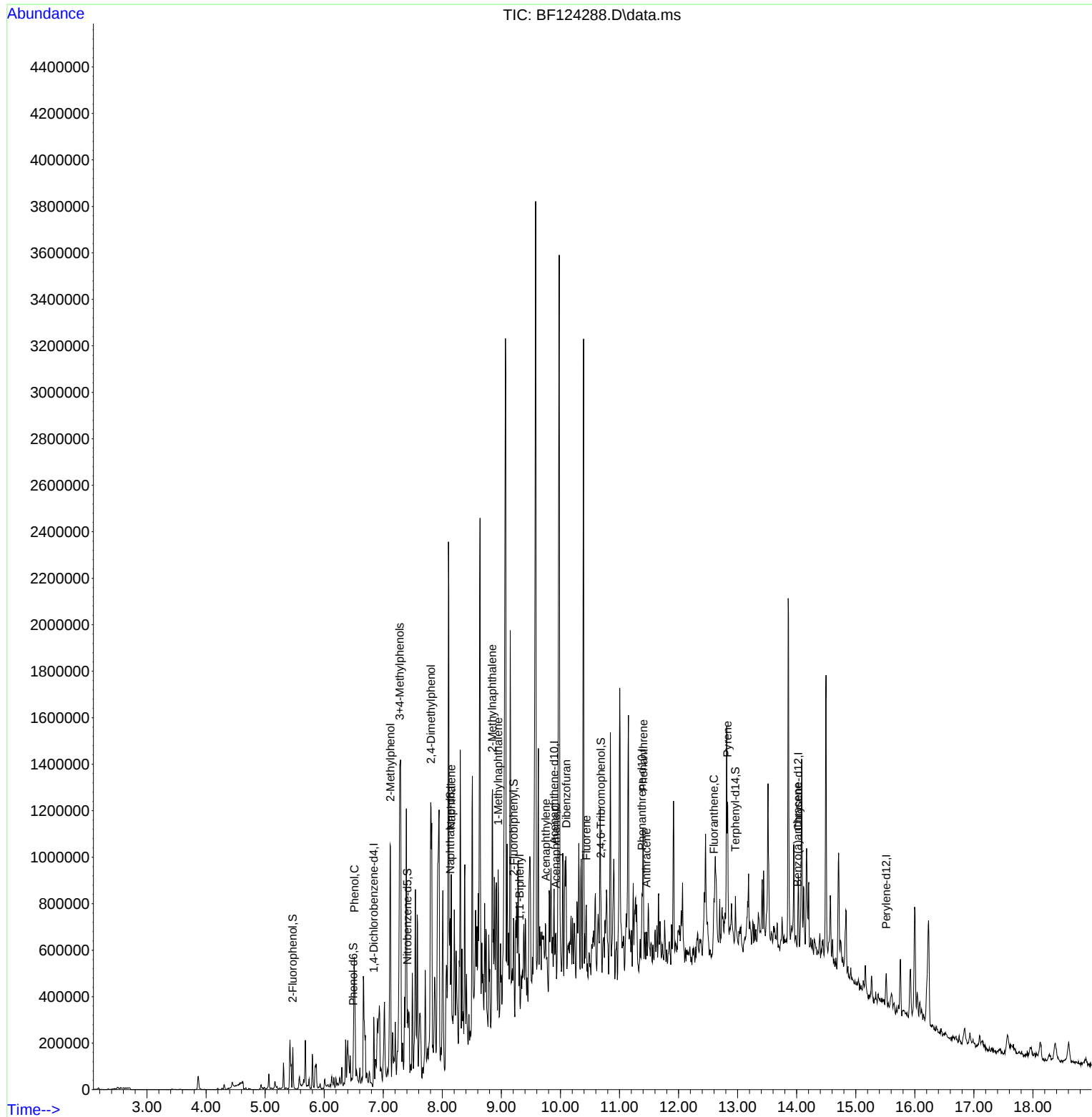
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	38651	20.000	ng	-0.01
21) Naphthalene-d8	8.133	136	142226	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	74557	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	102145	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	93856	20.000	ng	0.00
86) Perylene-d12	15.515	264	57442	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	41382	16.117	ng	-0.01
7) Phenol-d6	6.492	99	51897	15.037	ng	0.00
23) Nitrobenzene-d5	7.410	82	57492	16.032	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	12683	12.007	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	68925	11.633	ng	0.00
79) Terphenyl-d14	12.962	244	56506	8.266	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.510	94	196172	52.596	ng	98
17) 2-Methylphenol	7.122	107	191193	82.323	ng	90
20) 3+4-Methylphenols	7.280	107	473527	153.876	ng	# 69
27) 2,4-Dimethylphenol	7.810	122	322689	142.403	ng	91
31) Naphthalene	8.151	128	219533	25.817	ng	98
37) 2-Methylnaphthalene	8.845	142	224718	37.685	ng	100
38) 1-Methylnaphthalene	8.945	142	132662	23.807	ng	98
46) 1,1'-Biphenyl	9.310	154	36581	5.812	ng	93
49) Acenaphthylene	9.751	152	23157	3.110	ng	# 68
52) Acenaphthene	9.921	154	14927	3.069	ng	# 85
55) Dibenzofuran	10.098	168	58413	7.674	ng	# 96
58) Fluorene	10.439	166	68036	11.644	ng	# 91
71) Phenanthrene	11.404	178	86555	13.565	ng	# 90
72) Anthracene	11.457	178	29812	4.639	ng	# 87
75) Fluoranthene	12.598	202	24697	3.687	ng	85
78) Pyrene	12.827	202	41406	4.594	ng	# 96
81) Benzo(a)anthracene	14.015	228	17027	2.490	ng	# 58

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

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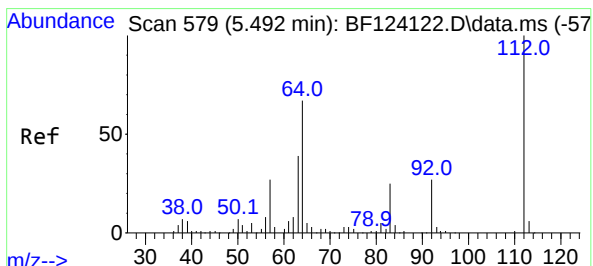
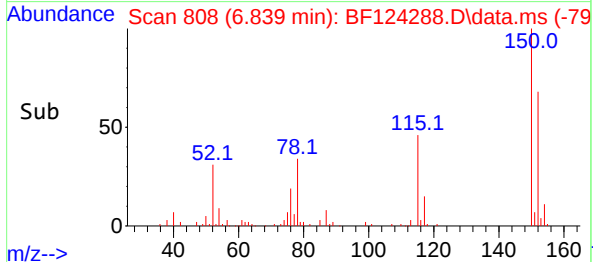
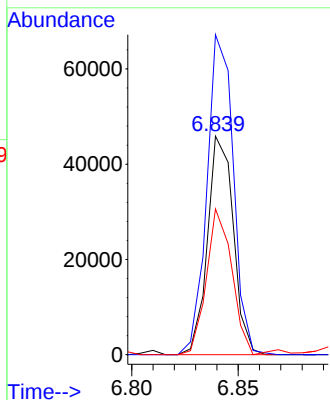
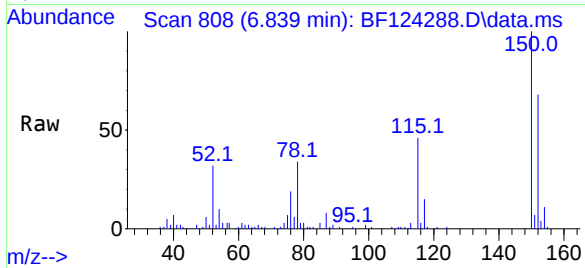




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

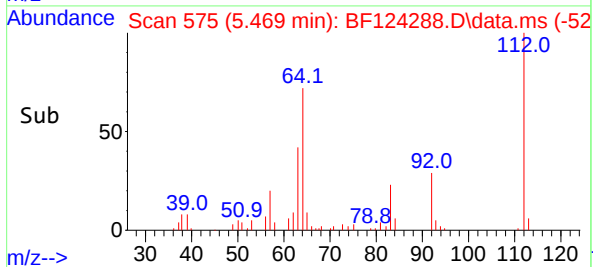
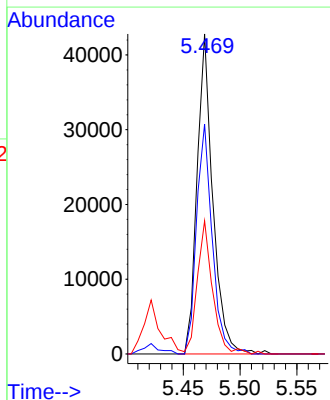
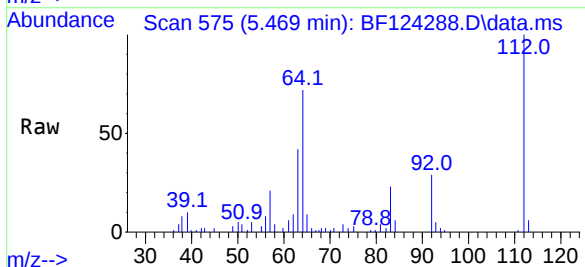
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

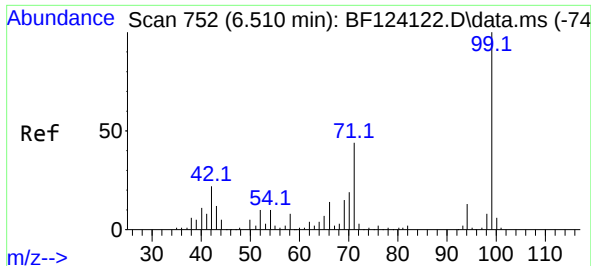
Tgt Ion:152 Resp: 38651
Ion Ratio Lower Upper
152 100
150 146.4 127.0 190.6
115 66.7 54.3 81.5



#5
2-Fluorophenol
Concen: 16.117 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:112 Resp: 41382
Ion Ratio Lower Upper
112 100
64 71.9 61.4 92.0
63 41.6 33.0 49.4

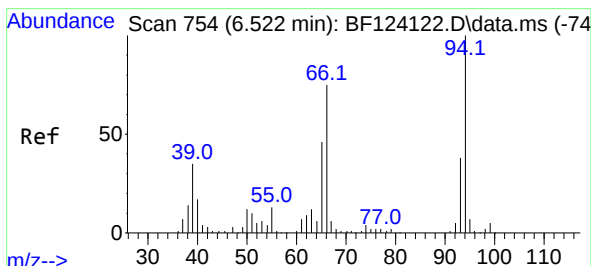
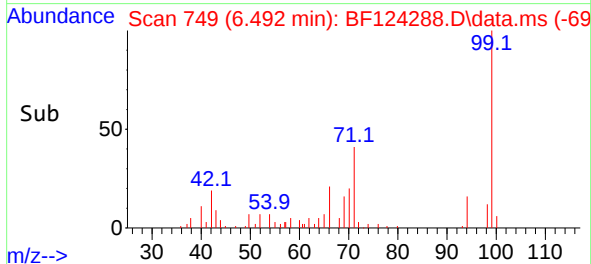
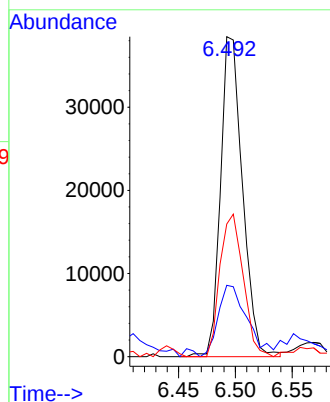
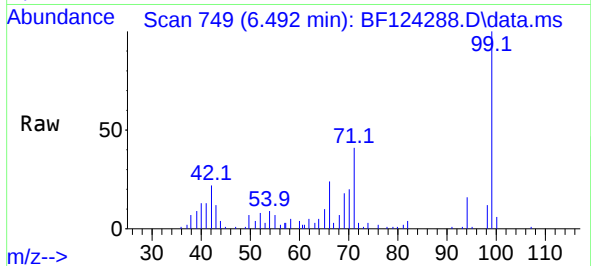




#7
Phenol-d6
Concen: 15.037 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

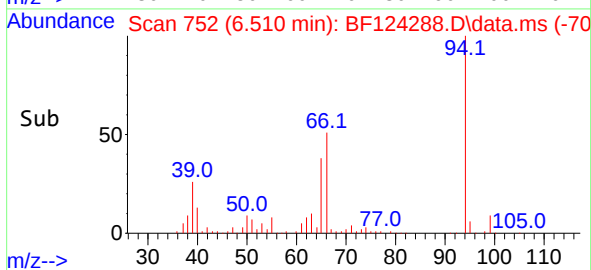
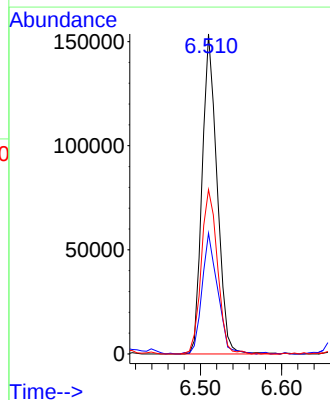
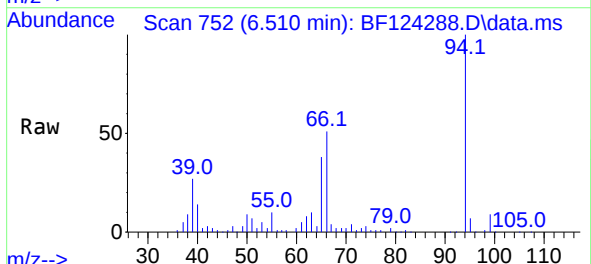
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

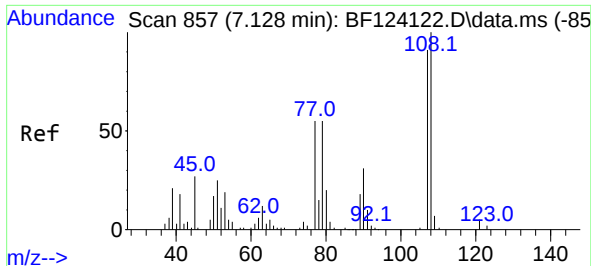
Tgt Ion: 99	Resp: 51897
Ion Ratio	Lower Upper
99 100	
42 22.3	19.8 29.8
71 41.5	31.1 46.7



#10
Phenol
Concen: 52.596 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion: 94	Resp: 196172
Ion Ratio	Lower Upper
94 100	
65 37.8	18.1 58.1
66 51.4	29.0 69.0



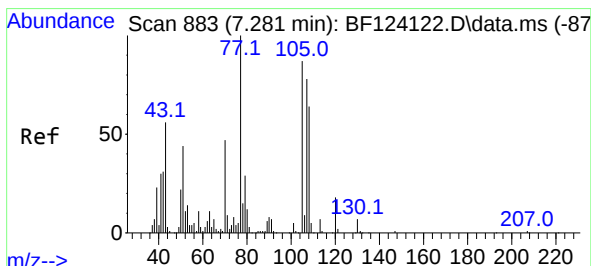
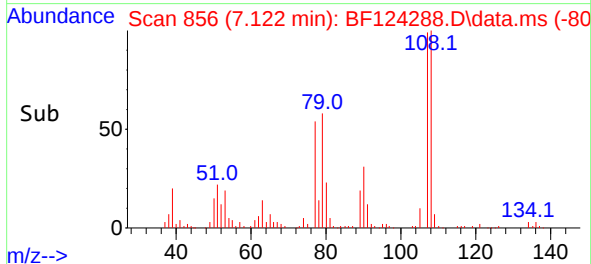
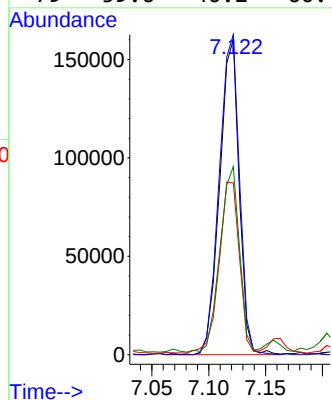
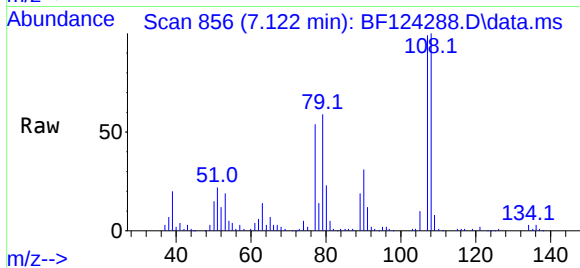


#17
2-Methylphenol
Concen: 82.323 ng
RT: 7.122 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

Tgt Ion:107 Resp: 191193

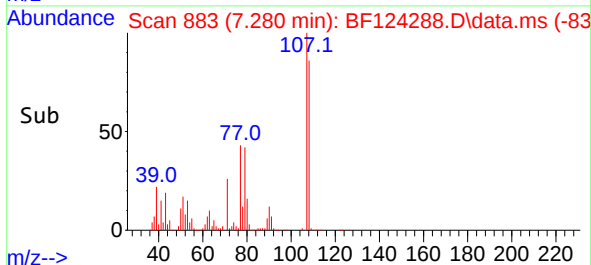
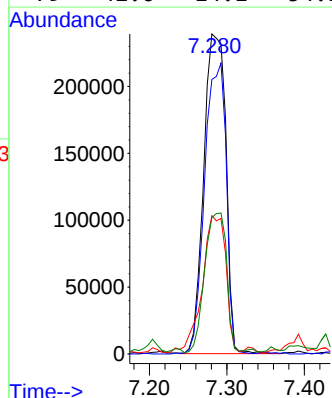
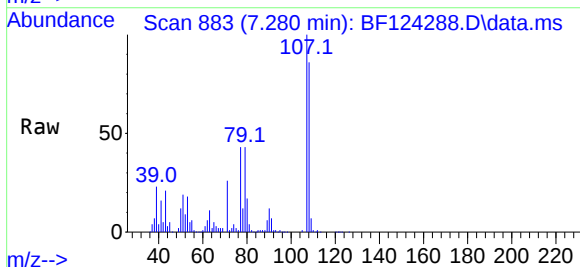
Ion	Ratio	Lower	Upper
107	100		
108	101.5	89.8	134.8
77	54.5	40.9	61.3
79	59.6	40.2	60.4

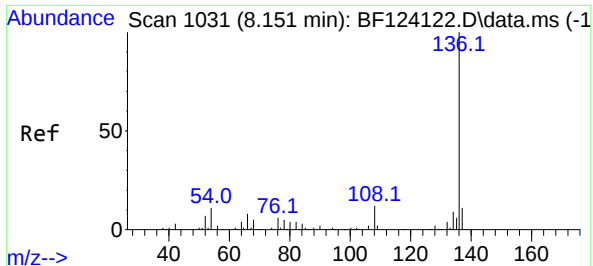


#20
3+4-Methylphenols
Concen: 153.876 ng
RT: 7.280 min Scan# 883
Delta R.T. 0.012 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:107 Resp: 473527

Ion	Ratio	Lower	Upper
107	100		
108	85.8	71.5	111.5
77	43.2	82.0	122.0#
79	42.6	14.1	54.1



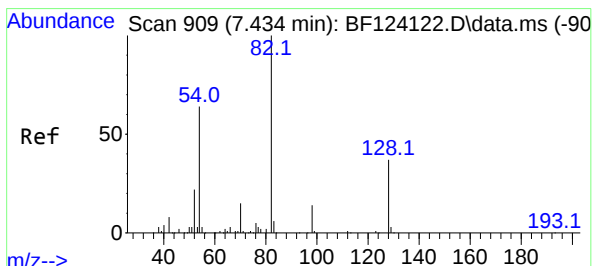
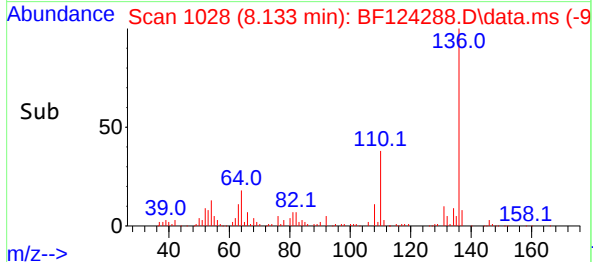
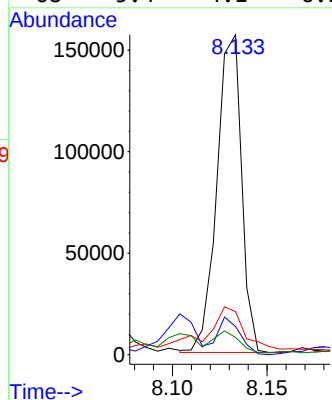
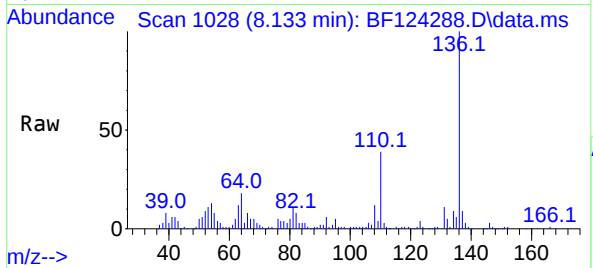


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

Tgt Ion:136 Resp: 142226

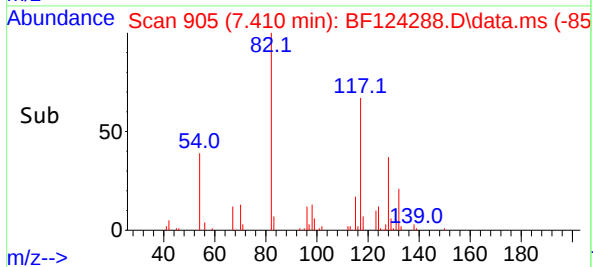
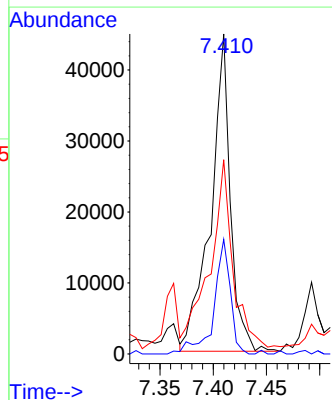
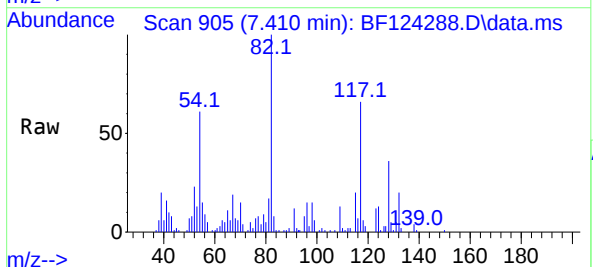
Ion	Ratio	Lower	Upper
136	100		
137	8.8	8.7	13.1
54	13.4	9.8	14.6
68	5.4	4.1	6.1

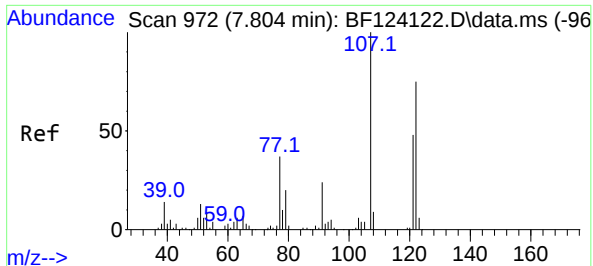


#23
Nitrobenzene-d5
Concen: 16.032 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion: 82 Resp: 57492

Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.4	44.2
54	60.7	54.1	81.1

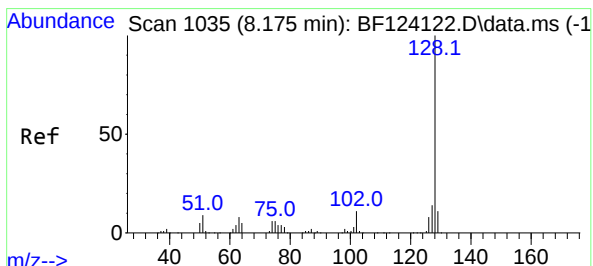
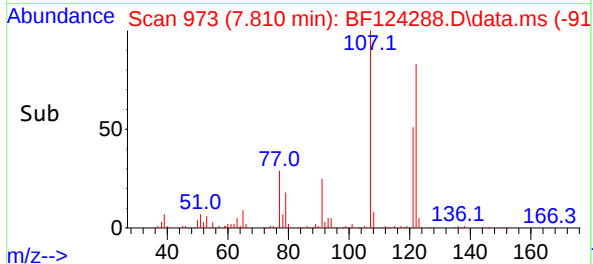
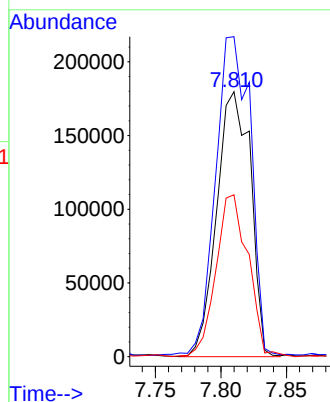
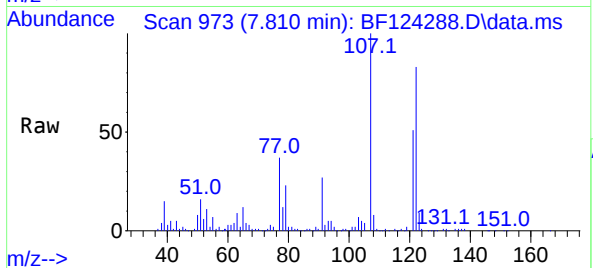




#27
2,4-Dimethylphenol
Concen: 142.403 ng
RT: 7.810 min Scan# 973
Delta R.T. 0.018 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

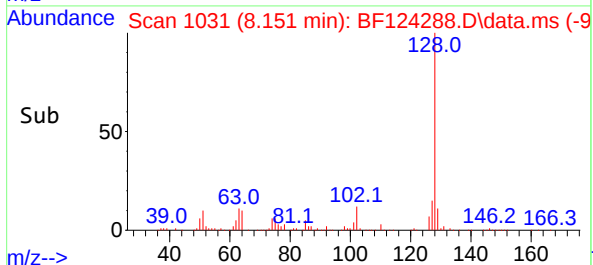
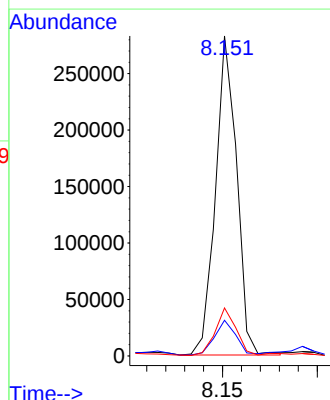
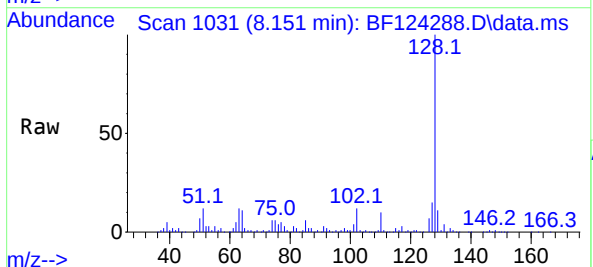
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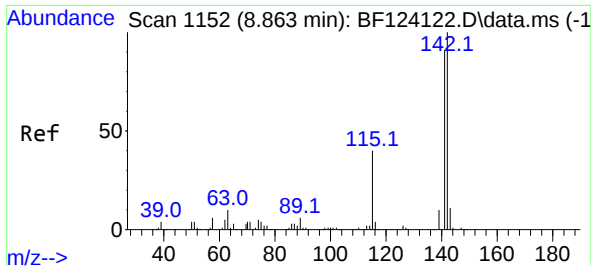
Tgt Ion:122 Resp: 322689
Ion Ratio Lower Upper
122 100
107 120.8 106.3 159.5
121 61.1 45.4 68.0



#31
Naphthalene
Concen: 25.817 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:128 Resp: 219533
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 15.0 10.8 16.2

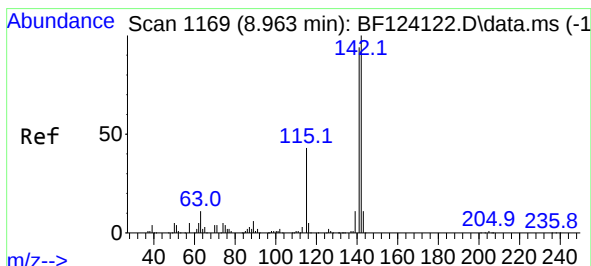
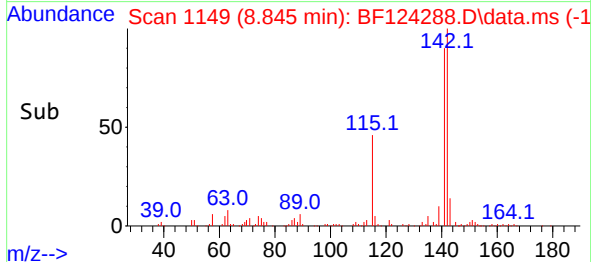
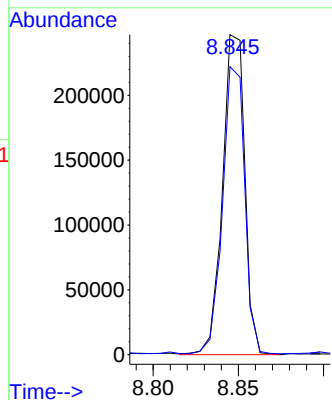
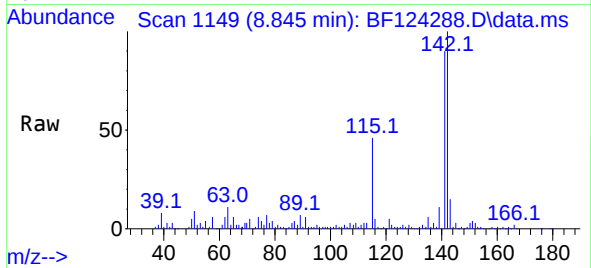




#37
2-Methylnaphthalene
Concen: 37.685 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

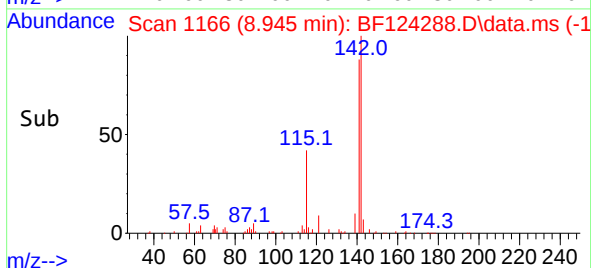
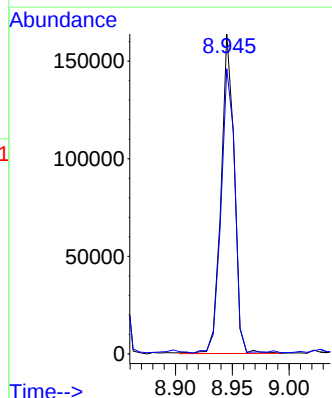
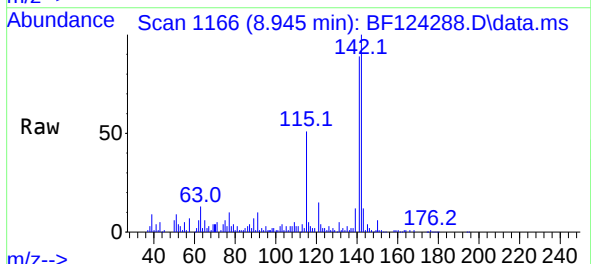
Instrument :
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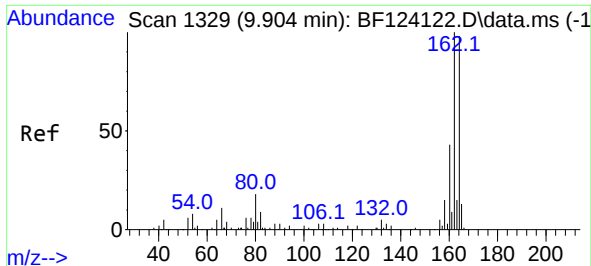
Tgt Ion:142 Resp: 224718
Ion Ratio Lower Upper
142 100
141 90.0 71.8 107.6



#38
1-Methylnaphthalene
Concen: 23.807 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:142 Resp: 132662
Ion Ratio Lower Upper
142 100
141 89.1 72.8 109.2

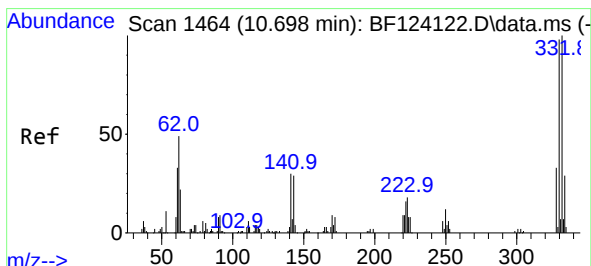
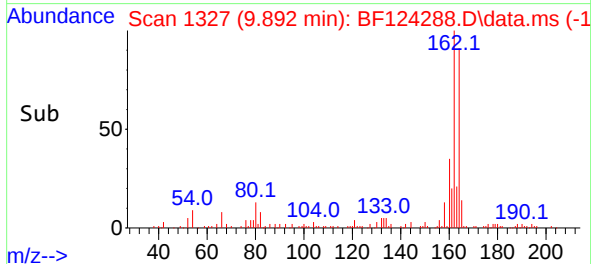
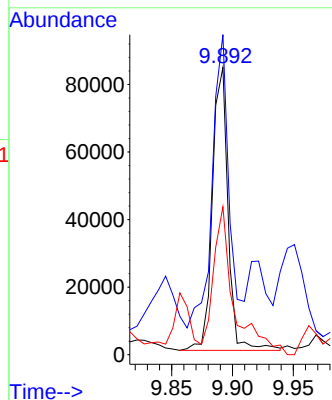
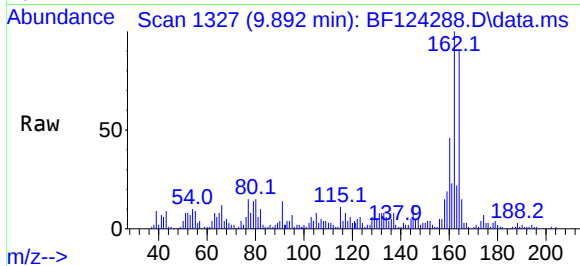




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

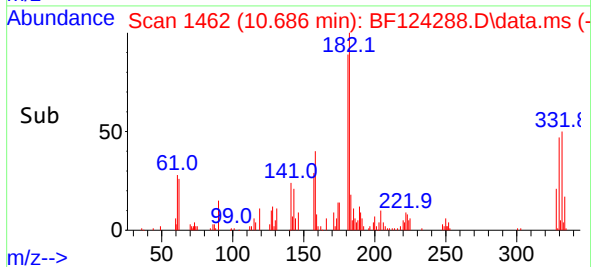
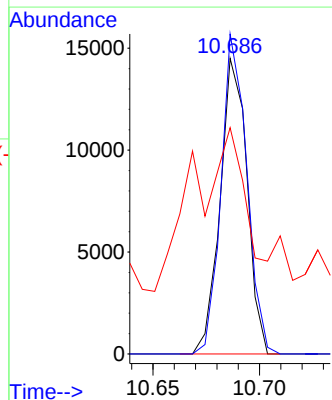
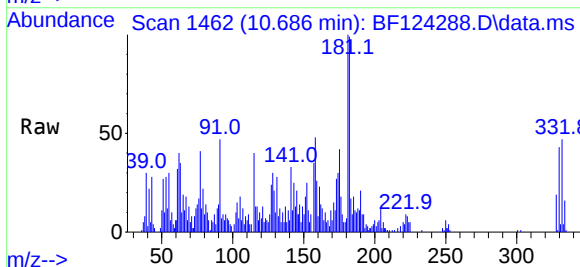
Instrument :
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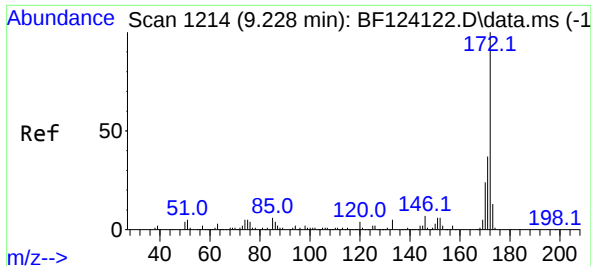
Tgt Ion:164 Resp: 74557
Ion Ratio Lower Upper
164 100
162 111.4 80.7 121.1
160 51.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 12.007 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:330 Resp: 12683
Ion Ratio Lower Upper
330 100
332 103.7 77.1 115.7
141 68.1 27.9 41.9#

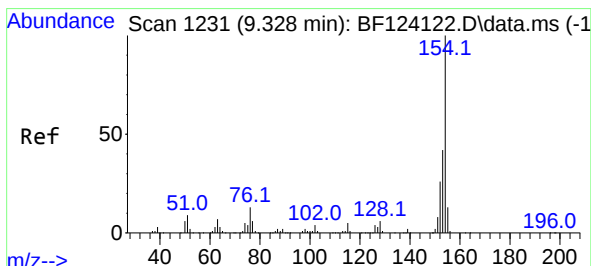
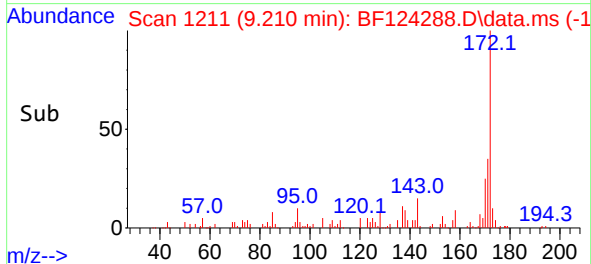
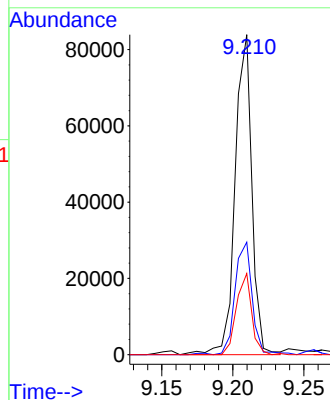
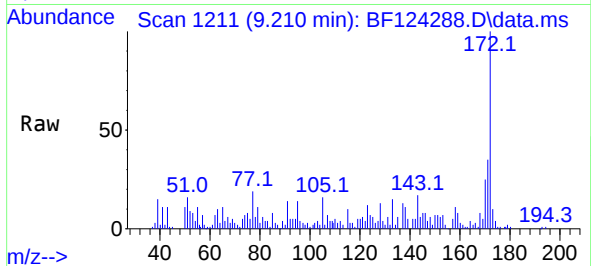




#45
2-Fluorobiphenyl
Concen: 11.633 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

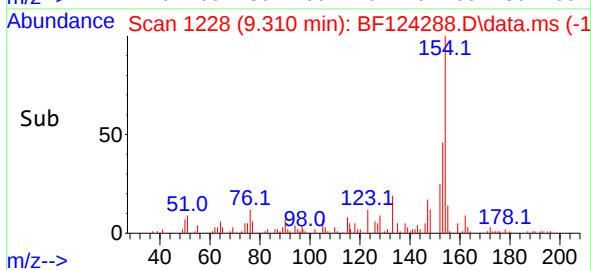
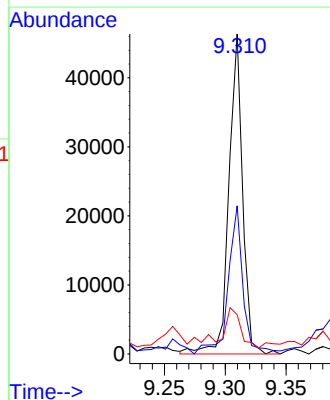
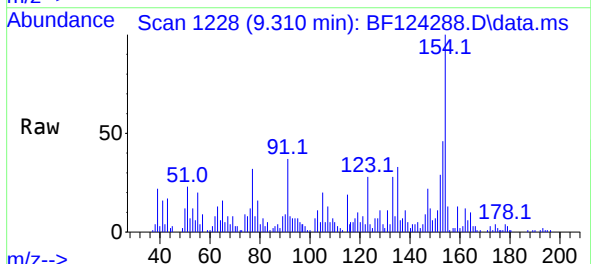
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

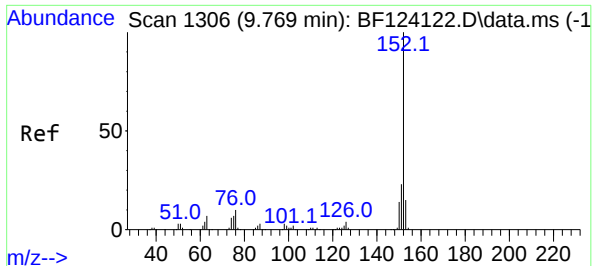
Tgt Ion:172 Resp: 68925
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 25.4 19.2 28.8



#46
1,1'-Biphenyl
Concen: 5.812 ng
RT: 9.310 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:154 Resp: 36581
Ion Ratio Lower Upper
154 100
153 46.3 20.7 60.7
76 12.2 0.0 31.7





#49

Acenaphthylene

Concen: 3.110 ng

RT: 9.751 min Scan# 1303

Delta R.T. 0.000 min

Lab File: BF124288.D

Acq: 12 Jun 2021 16:10

Instrument :

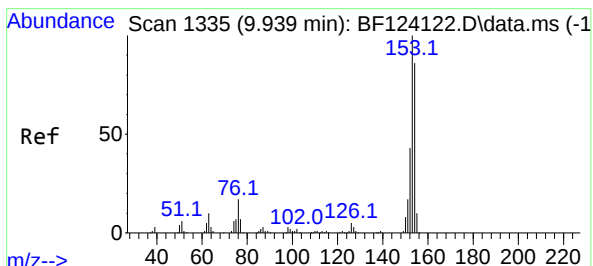
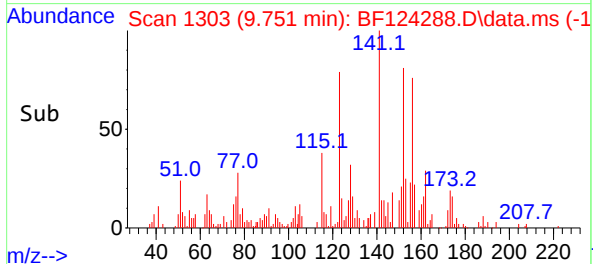
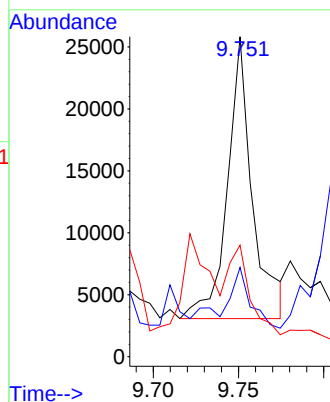
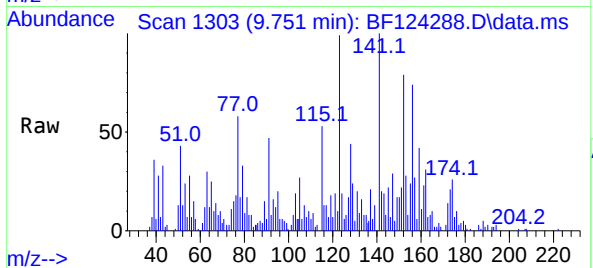
BNA_F

ClientSampleId :

TMR-DS-03-060921

Tgt Ion:152 Resp: 23157

Ion	Ratio	Lower	Upper
152	100		
151	27.9	16.0	24.0#
153	34.9	10.4	15.6#



#52

Acenaphthene

Concen: 3.069 ng

RT: 9.921 min Scan# 1332

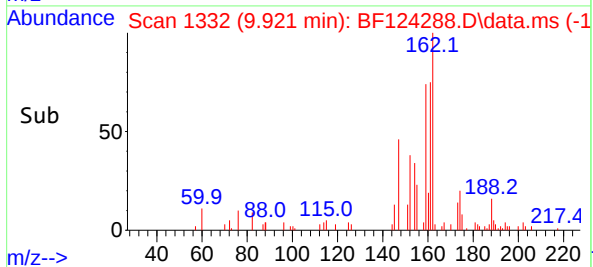
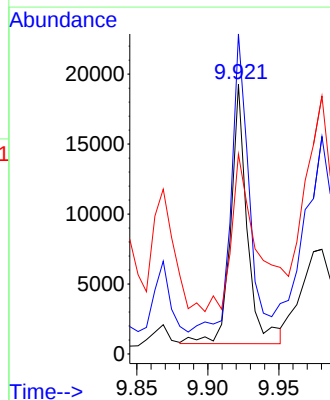
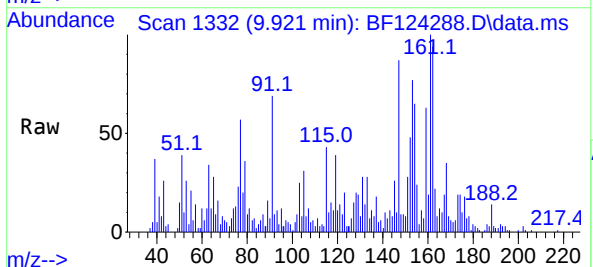
Delta R.T. -0.006 min

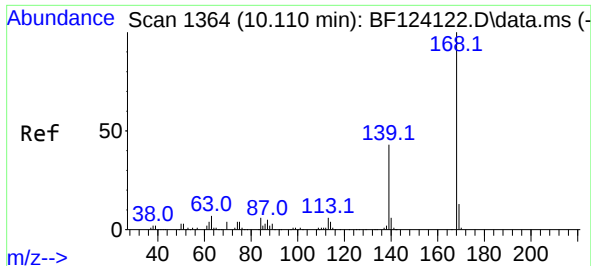
Lab File: BF124288.D

Acq: 12 Jun 2021 16:10

Tgt Ion:154 Resp: 14927

Ion	Ratio	Lower	Upper
154	100		
153	118.7	88.1	132.1
152	74.1	43.4	65.0#

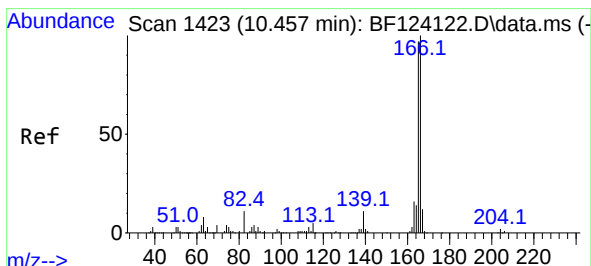
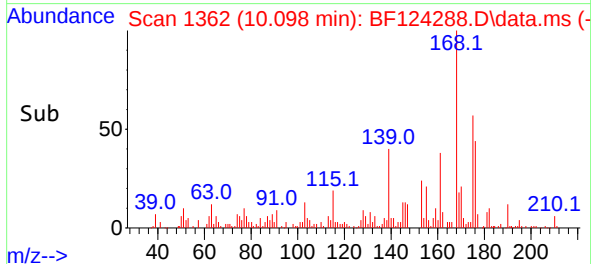
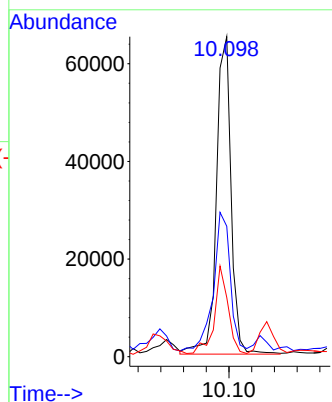
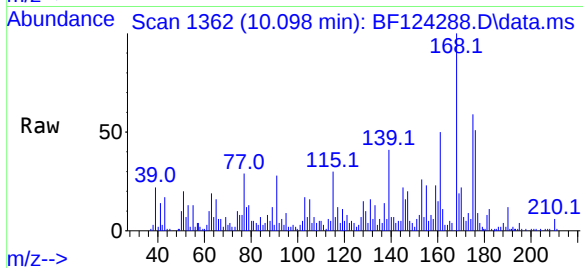




#55
Dibenzenofuran
Concen: 7.674 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

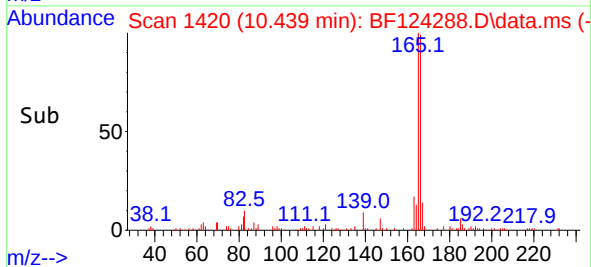
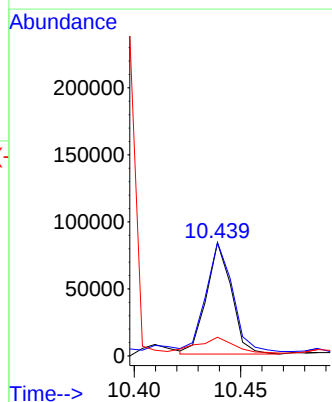
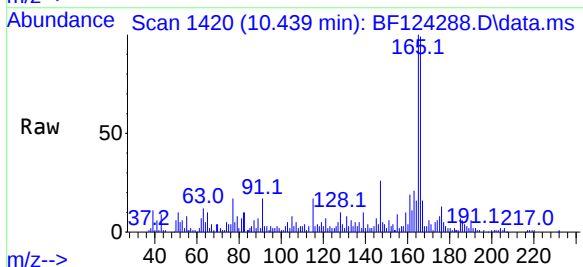
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

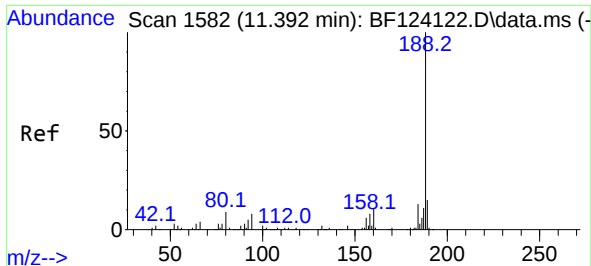
Tgt Ion:168 Resp: 58413
Ion Ratio Lower Upper
168 100
139 40.7 33.2 49.8
169 18.5 10.8 16.2#



#58
Fluorene
Concen: 11.644 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:166 Resp: 68036
Ion Ratio Lower Upper
166 100
165 100.5 73.5 110.3
167 16.5 10.7 16.1#

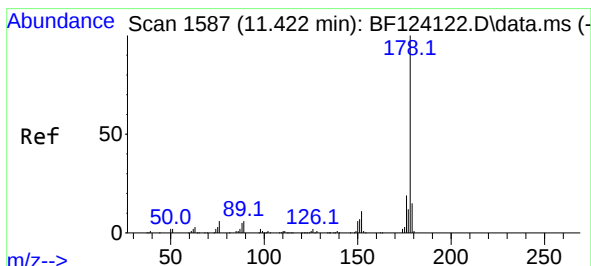
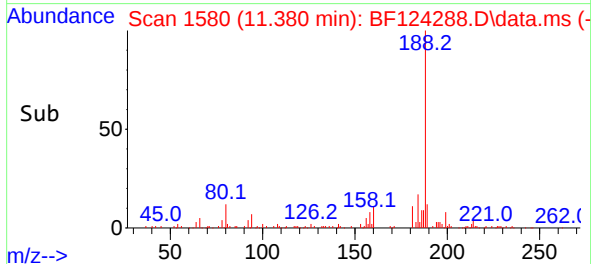
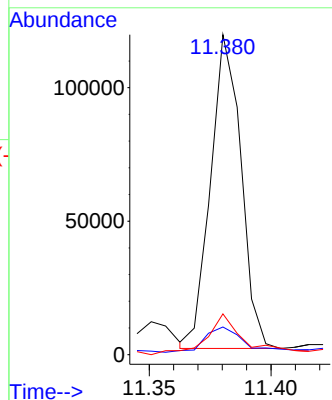
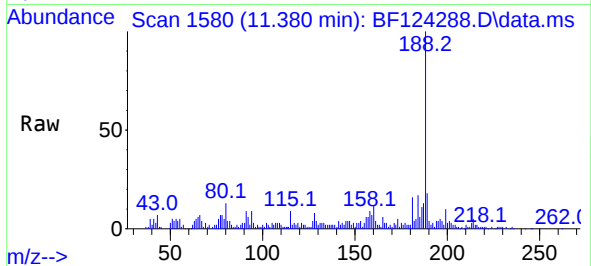




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

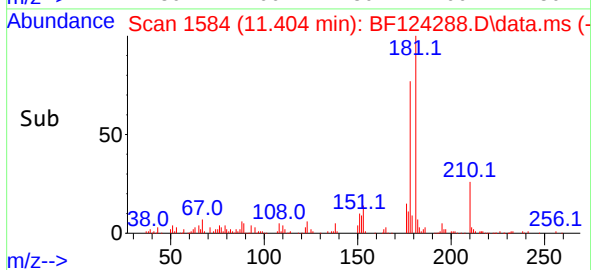
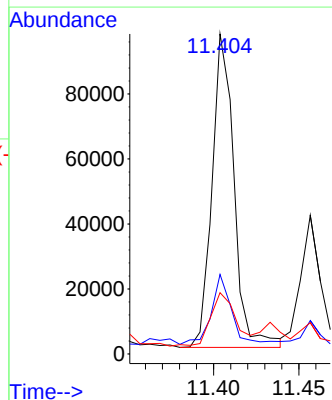
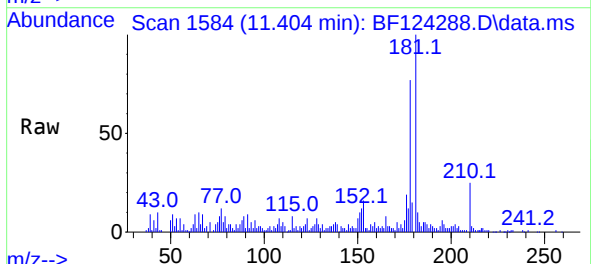
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

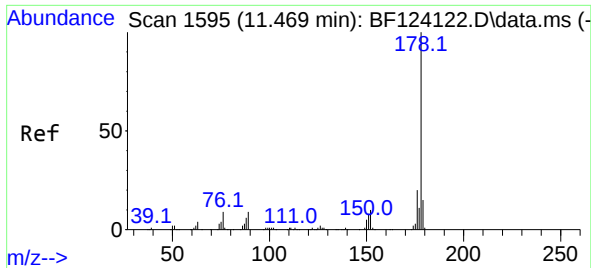
Tgt Ion:188 Resp: 102145
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 12.8 8.2 12.2#



#71
Phenanthrene
Concen: 13.565 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:178 Resp: 86555
Ion Ratio Lower Upper
178 100
176 24.9 15.6 23.4#
179 19.2 12.5 18.7#

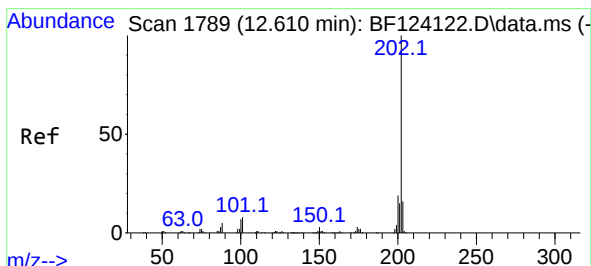
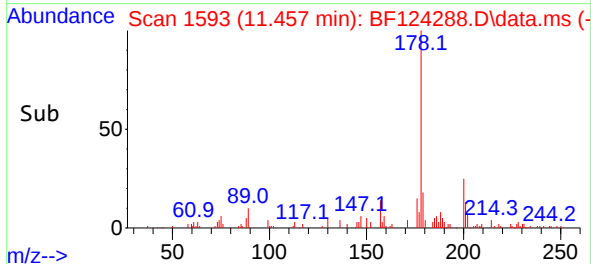
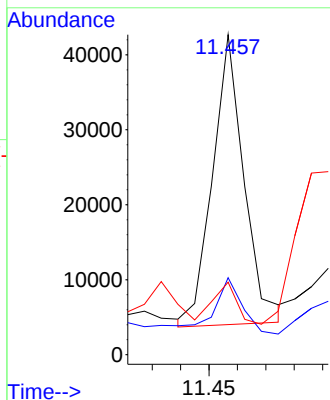
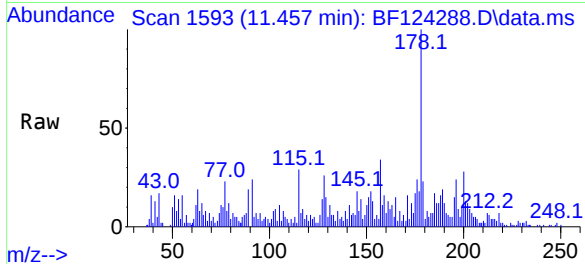




#72
Anthracene
Concen: 4.639 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

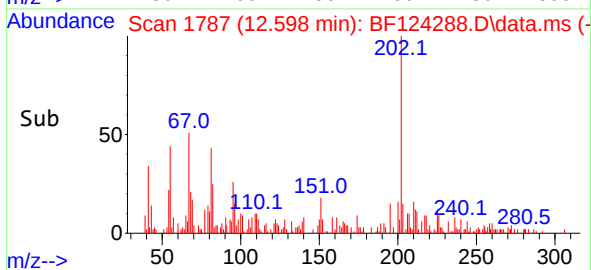
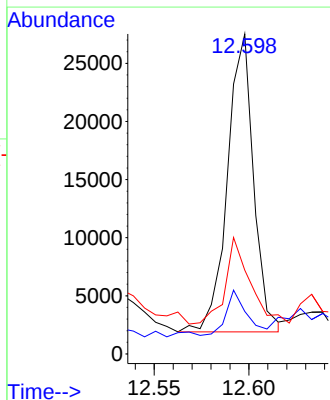
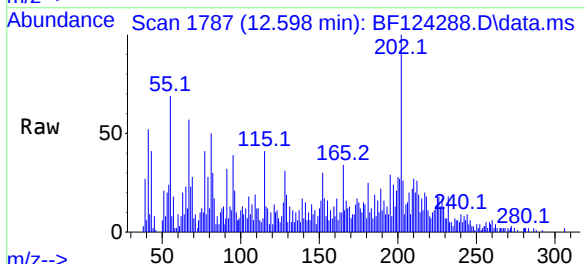
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

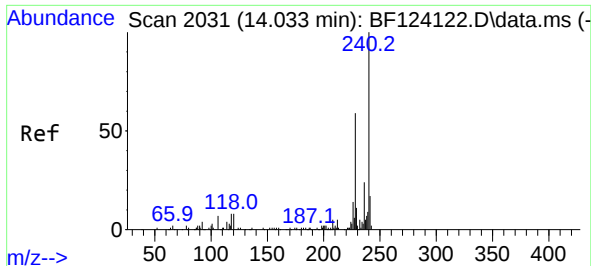
Tgt Ion:178 Resp: 29812
Ion Ratio Lower Upper
178 100
176 24.1 15.4 23.0#
179 22.6 12.6 18.8#



#75
Fluoranthene
Concen: 3.687 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:202 Resp: 24697
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.9
203 26.2 0.0 37.5

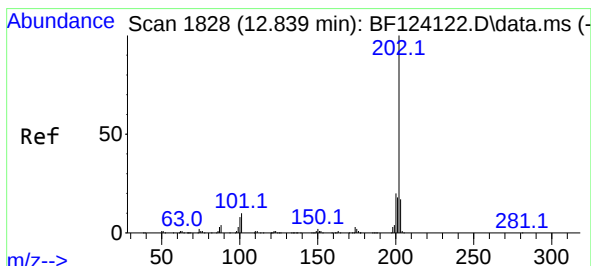
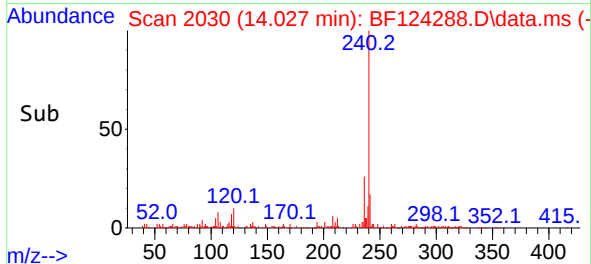
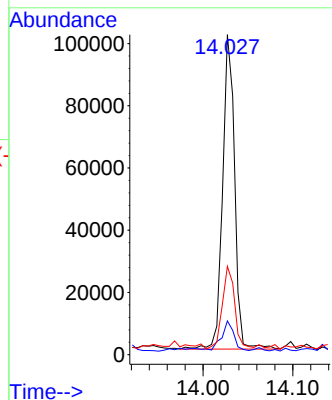
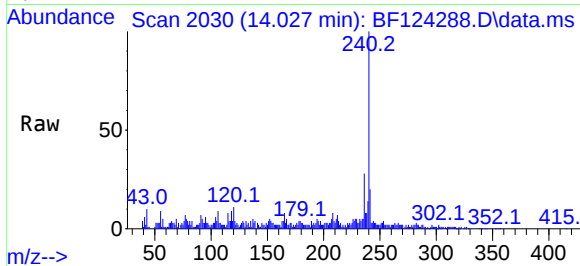




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

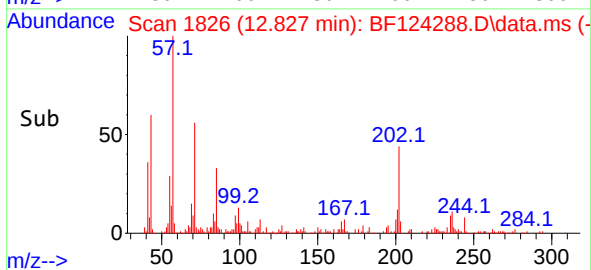
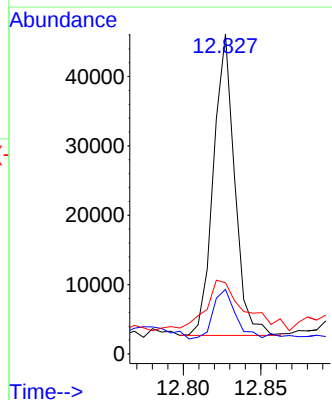
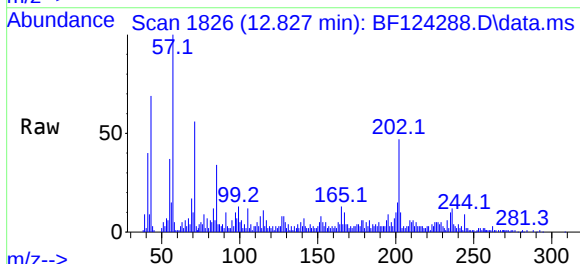
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

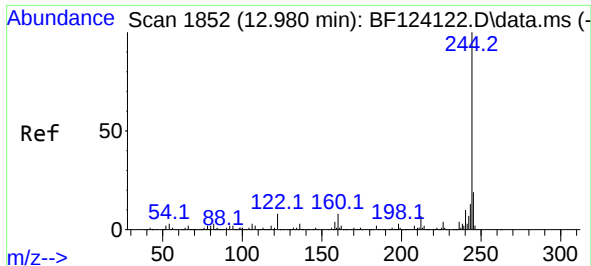
Tgt Ion:240	Resp:	93856
Ion Ratio	Lower	Upper
240	100	
120	10.6	7.2 10.8
236	27.6	19.0 28.4



#78
Pyrene
Concen: 4.594 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:202	Resp:	41406
Ion Ratio	Lower	Upper
202	100	
200	20.2	16.1 24.1
203	22.2	14.8 22.2#

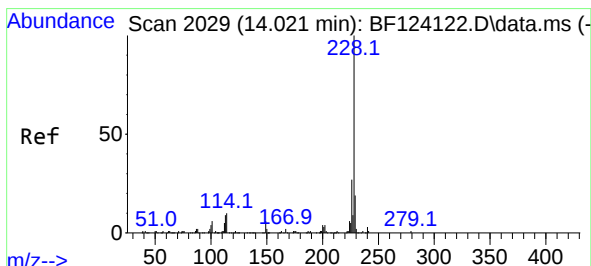
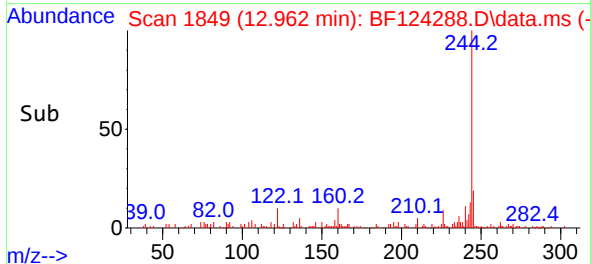
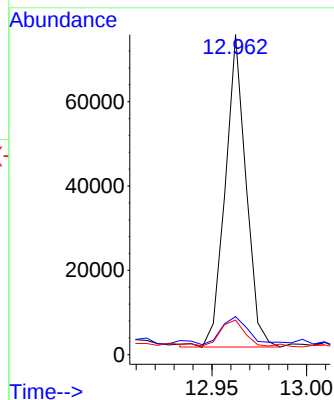
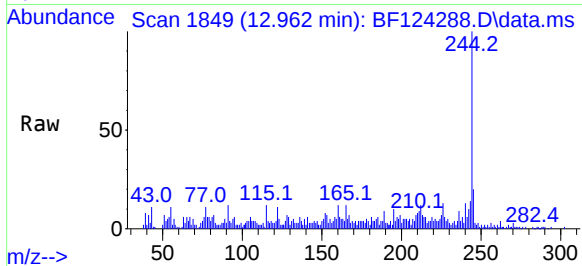




#79
Terphenyl-d14
Concen: 8.266 ng
RT: 12.962 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

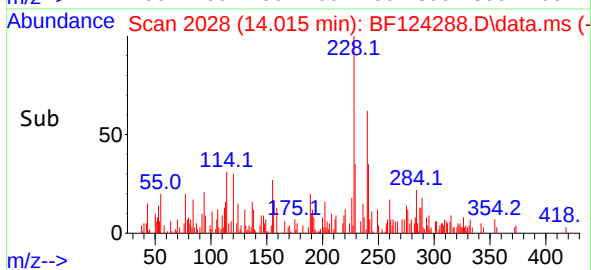
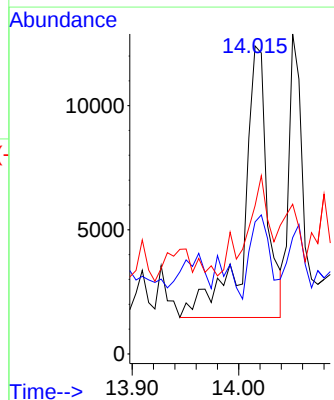
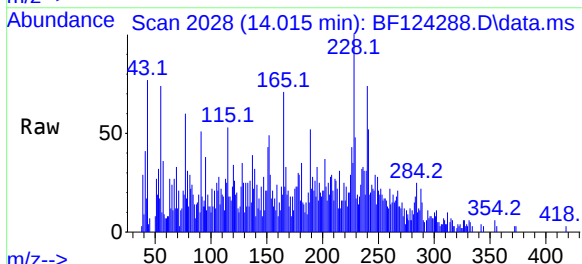
Instrument :
BNA_F
ClientSampleId :
TMR-DS-03-060921

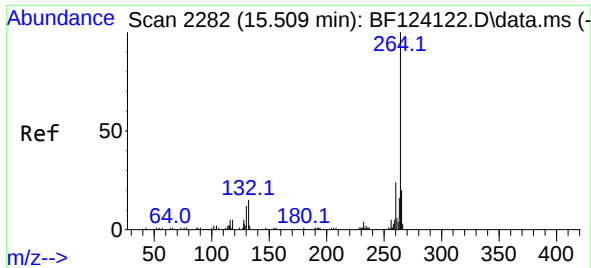
Tgt Ion:244 Resp: 56506
Ion Ratio Lower Upper
244 100
212 11.9 5.7 8.5#
122 10.8 9.7 14.5



#81
Benzo(a)anthracene
Concen: 2.490 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124288.D
Acq: 12 Jun 2021 16:10

Tgt Ion:228 Resp: 17027
Ion Ratio Lower Upper
228 100
226 42.9 22.4 33.6#
229 48.2 16.0 24.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. 0.024 min
 Lab File: BF124288.D
 Acq: 12 Jun 2021 16:10

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-03-060921

Tgt Ion:	264	Resp:	57442
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	19.4	17.8	26.8

