

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061521\
 Data File : BF124334.D
 Acq On : 15 Jun 2021 21:24
 Operator : JU/CG
 Sample : M2674-11DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TMR-DS-05-060921DL

Quant Time: Jun 16 01:28:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

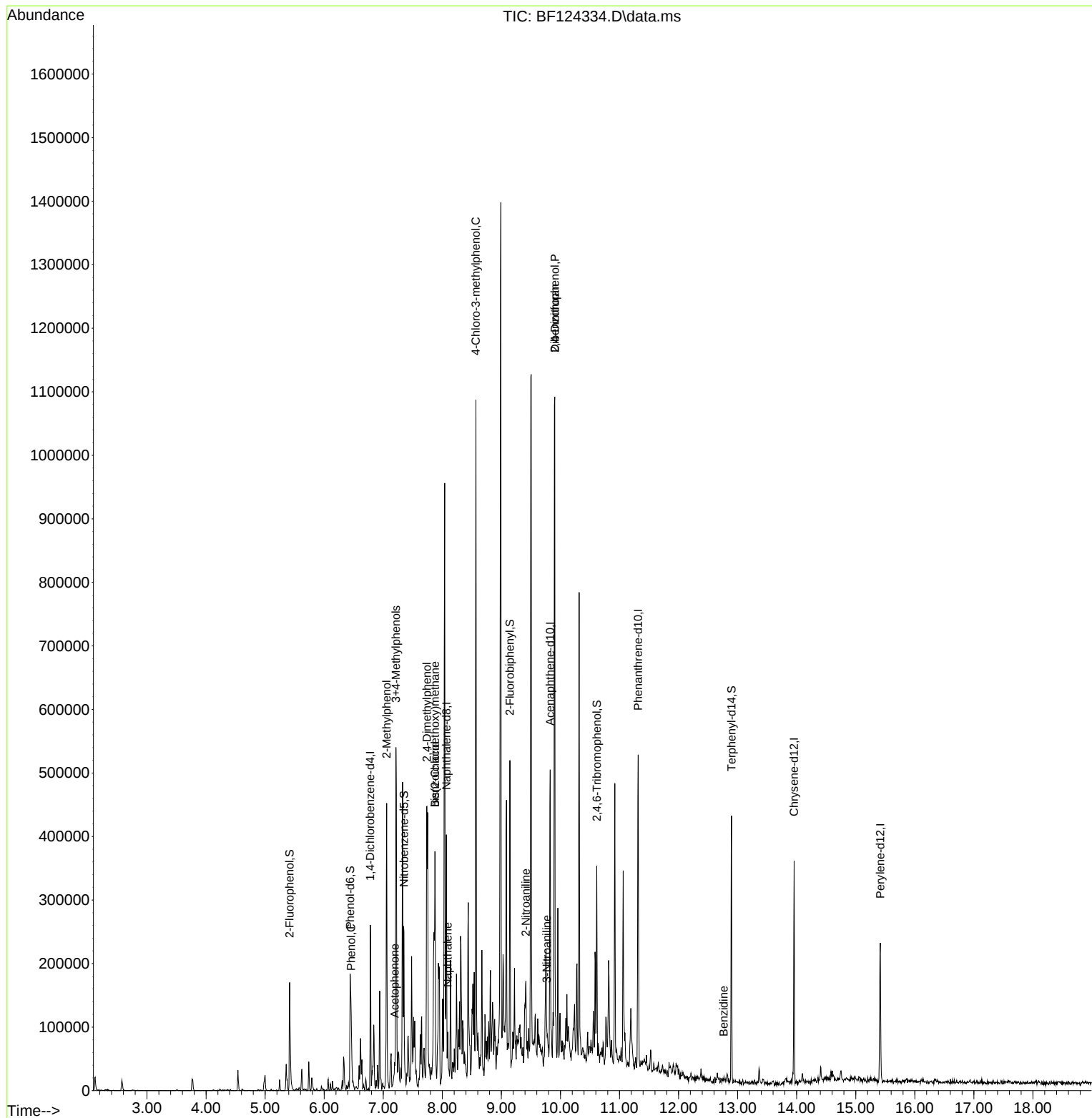
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	31990	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	126753	20.00	ng	0.00
39) Acenaphthene-d10	9.827	164	76318	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	143251	20.00	ng	# 0.00
76) Chrysene-d12	13.957	240	100759	20.00	ng	0.00
86) Perylene-d12	15.415	264	89006	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	48105	22.64	ng	0.00
7) Phenol-d6	6.439	99	52478	18.37	ng	0.00
23) Nitrobenzene-d5	7.351	82	58956	18.45	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	26121	24.16	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	99565	16.42	ng	0.00
79) Terphenyl-d14	12.898	244	117307	15.98	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.457	94	35418	11.47	ng	97
17) 2-Methylphenol	7.057	107	60982	31.72	ng	91
20) 3+4-Methylphenols	7.216	107	114222	44.85	ng	# 71
22) Acetophenone	7.192	105	9442	2.61	ng	# 94
27) 2,4-Dimethylphenol	7.739	122	107895	53.43	ng	91
28) bis(2-Chloroethoxy)met...	7.875	93	6987	2.45	ng	# 1
31) Naphthalene	8.092	128	16452	2.17	ng	# 95
32) Benzoic acid	7.875	122	80761	65.17	ng	# 16
36) 4-Chloro-3-methylphenol	8.569	107	16833	6.58	ng	# 30
48) 2-Nitroaniline	9.416	65	7732	4.09	ng	# 41
53) 3-Nitroaniline	9.769	138	4755	3.51	ng	# 3
54) 2,4-Dinitrophenol	9.904	184	1375	5.29	ng	# 1
55) Dibenzofuran	9.904	168	26964	3.46	ng	98
77) Benzidine	12.763	184	148	4.12	ng	# 68

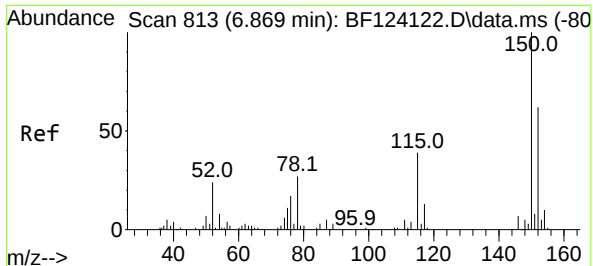
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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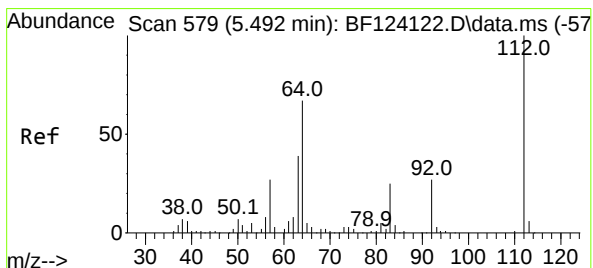
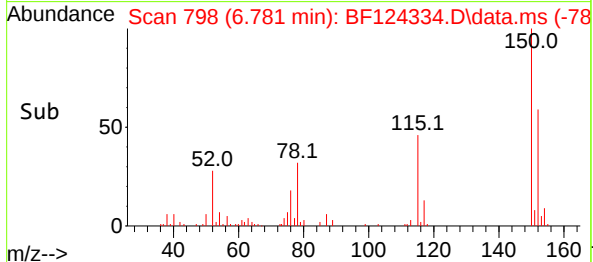
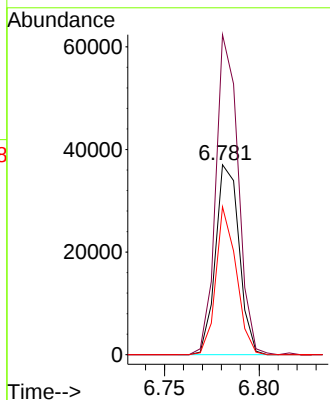
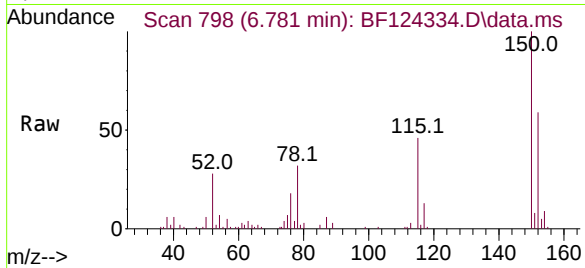




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

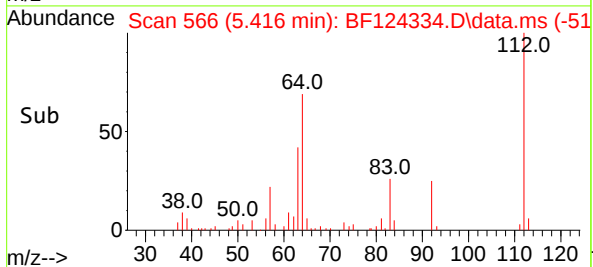
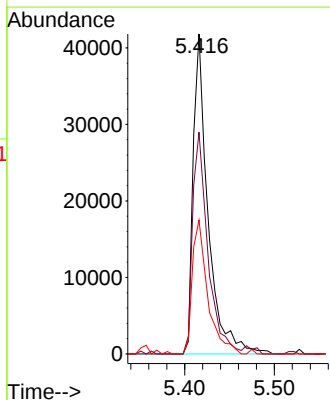
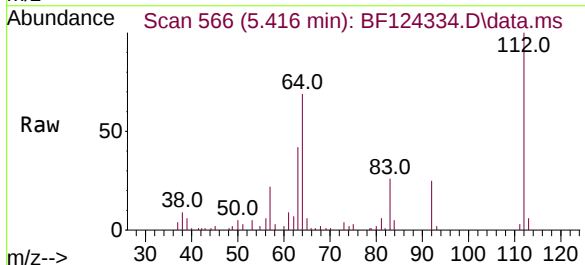
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

Tgt Ion:152 Resp: 31990
Ion Ratio Lower Upper
152 100
150 168.4 127.0 190.6
115 77.8 54.3 81.5



#5
2-Fluorophenol
Concen: 22.64 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:112 Resp: 48105
Ion Ratio Lower Upper
112 100
64 69.3 61.4 92.0
63 41.8 33.0 49.4

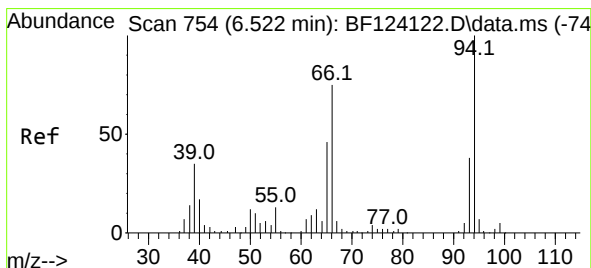
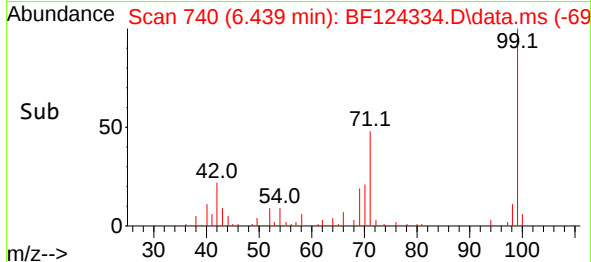
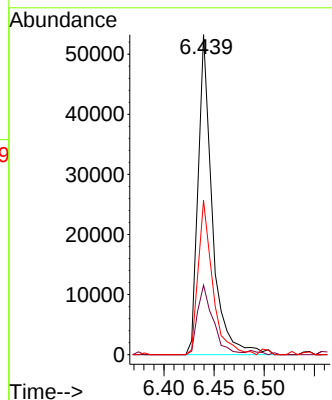
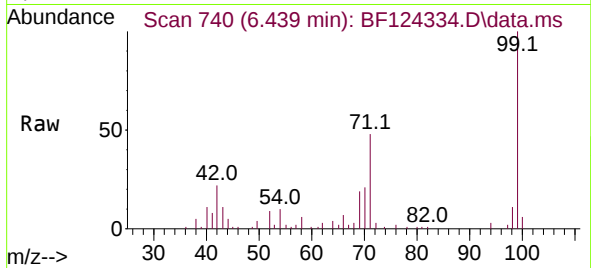




#7
Phenol-d6
Concen: 18.37 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

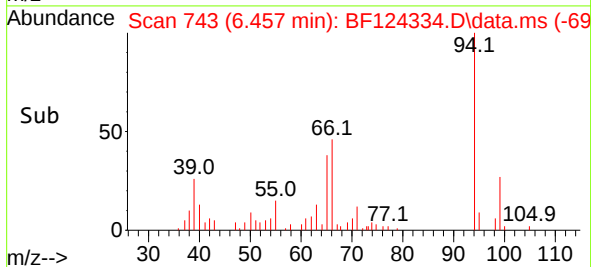
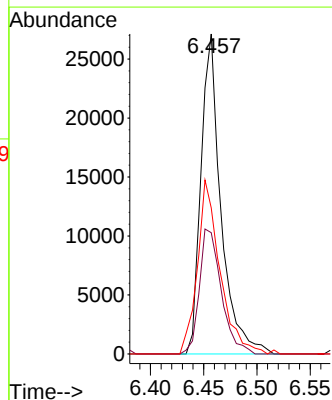
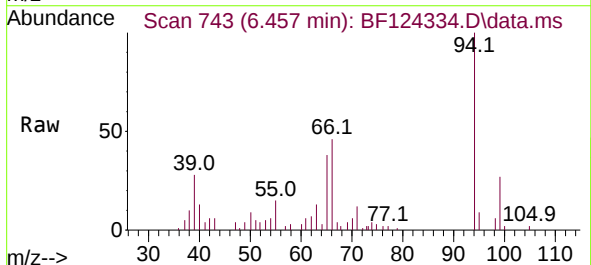
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

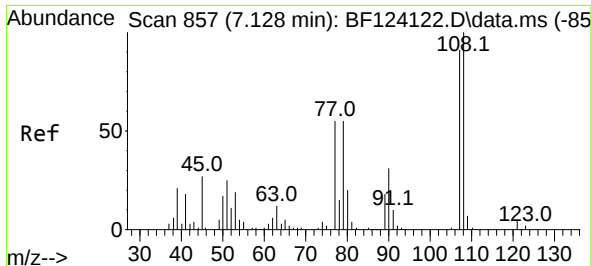
Tgt Ion: 99 Resp: 52478
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.8
71 48.2 31.1 46.7#



#10
Phenol
Concen: 11.47 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion: 94 Resp: 35418
Ion Ratio Lower Upper
94 100
65 37.9 18.1 58.1
66 45.7 29.0 69.0

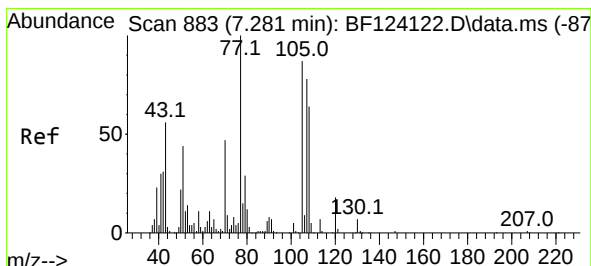
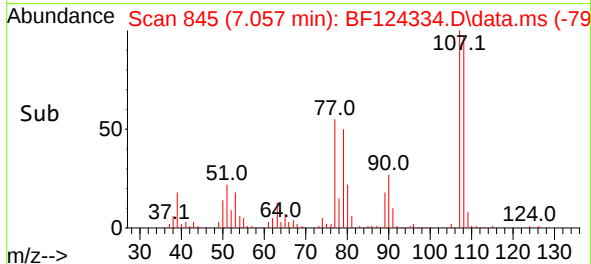
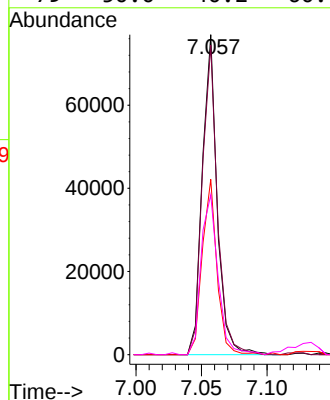
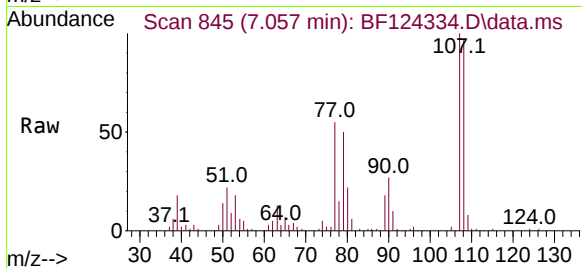




#17
2-Methylphenol
Concen: 31.72 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

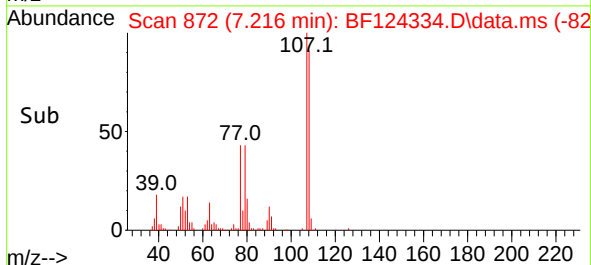
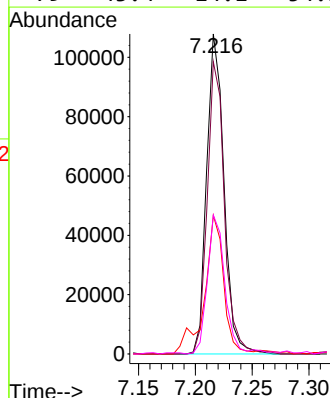
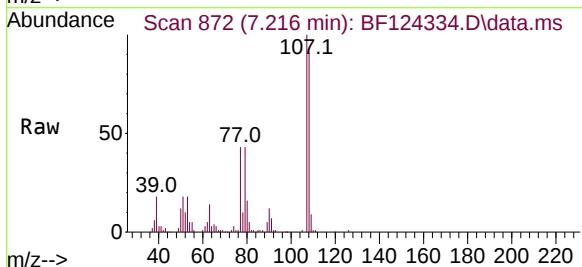
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

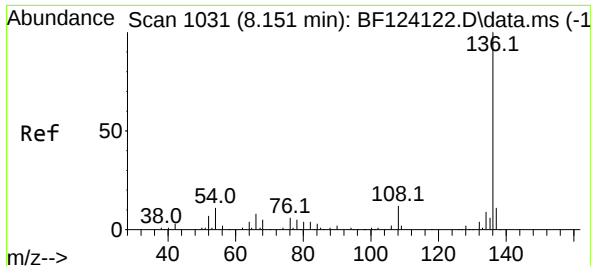
Tgt Ion:	107	Resp:	60982
Ion Ratio	Lower	Upper	
107	100		
108	96.7	89.8	134.8
77	54.8	40.9	61.3
79	50.0	40.2	60.4



#20
3+4-Methylphenols
Concen: 44.85 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:	107	Resp:	114222
Ion Ratio	Lower	Upper	
107	100		
108	91.3	71.5	111.5
77	43.3	82.0	122.0#
79	43.4	14.1	54.1



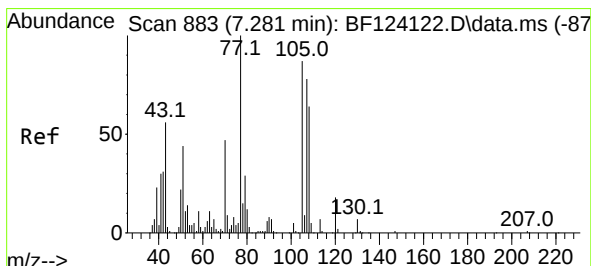
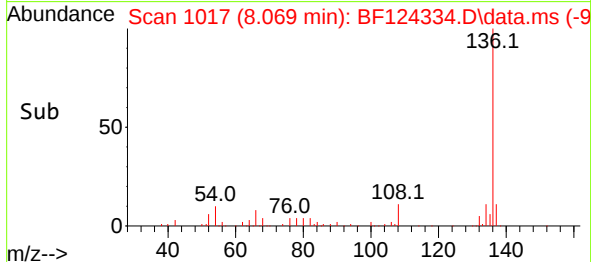
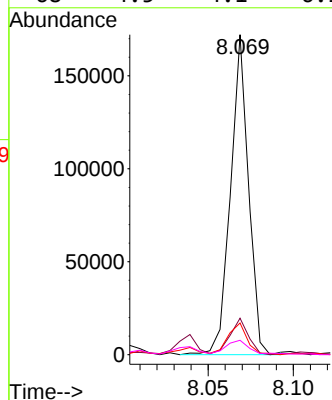
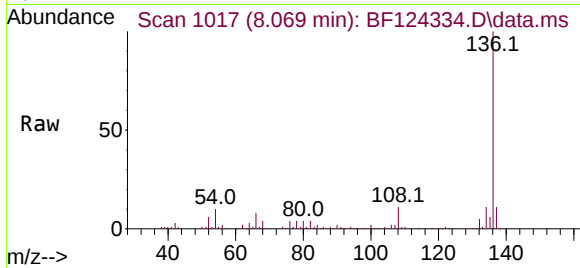


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

Tgt Ion:136 Resp: 126753

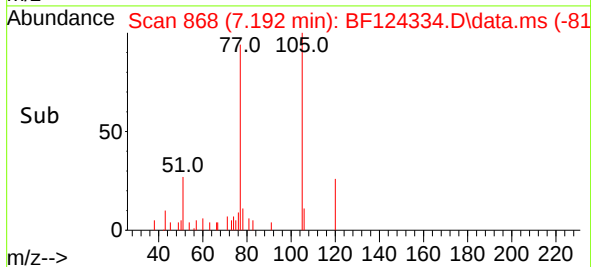
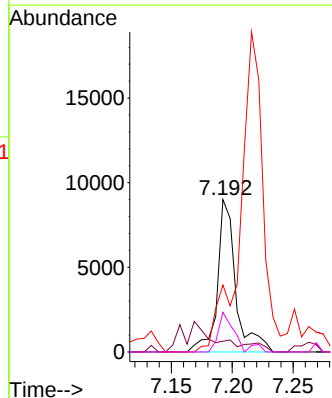
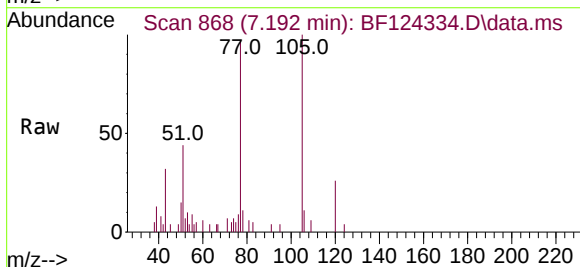
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.9	9.8	14.6
68	4.5	4.1	6.1

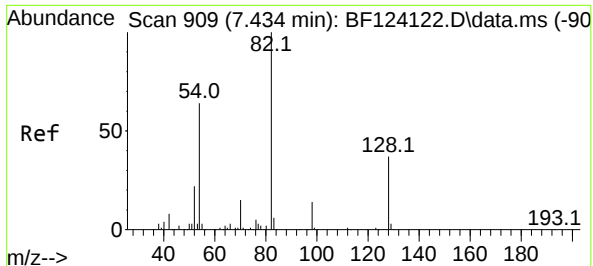


#22
Acetophenone
Concen: 2.61 ng
RT: 7.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:105 Resp: 9442

Ion	Ratio	Lower	Upper
105	100		
71	7.0	4.2	6.4#
51	43.9	33.6	50.4
120	26.0	16.3	24.5#





#23

Nitrobenzene-d5

Concen: 18.45 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

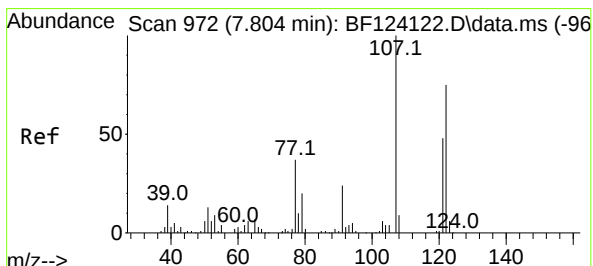
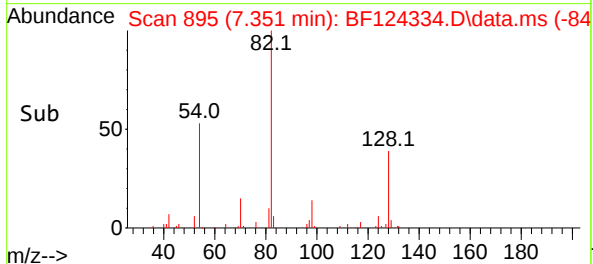
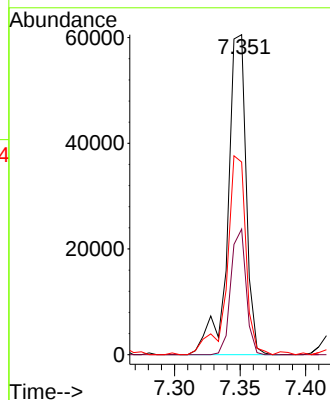
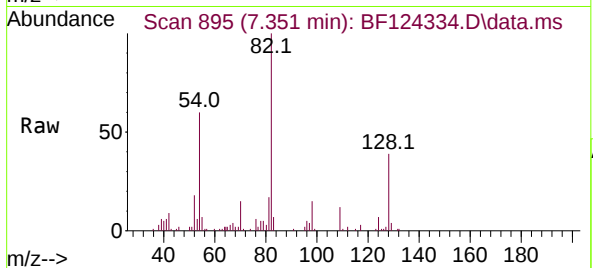
Instrument :

BNA_F

ClientSampleId :

TMR-DS-05-060921DL

Tgt Ion: 82	Resp: 58956
Ion Ratio	Lower Upper
82	100
128	39.3 29.4 44.2
54	60.2 54.1 81.1



#27

2,4-Dimethylphenol

Concen: 53.43 ng

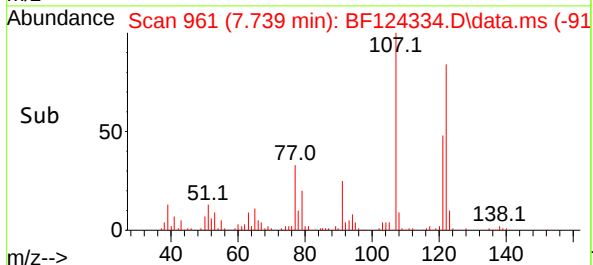
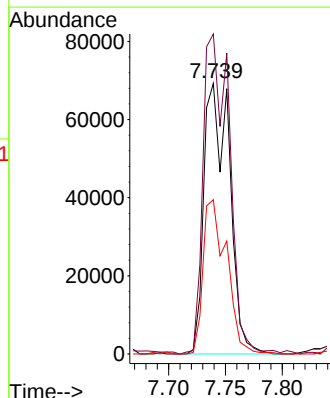
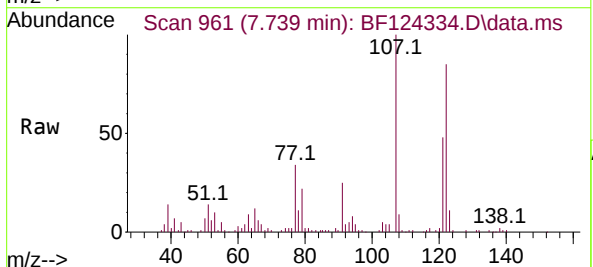
RT: 7.739 min Scan# 961

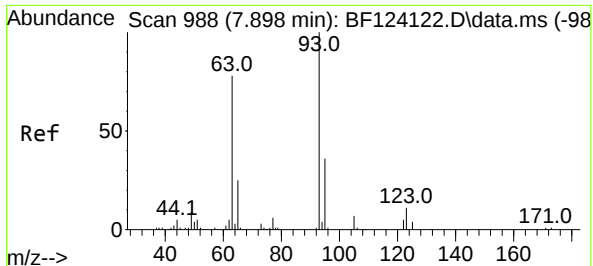
Delta R.T. 0.000 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

Tgt Ion: 122	Resp: 107895
Ion Ratio	Lower Upper
122	100
107	118.3 106.3 159.5
121	57.0 45.4 68.0





#28

bis(2-Chloroethoxy)methane

Concen: 2.45 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.053 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

Tgt Ion: 93 Resp: 6987

Ion Ratio Lower Upper

93 100

95 48.5 26.5 39.7#

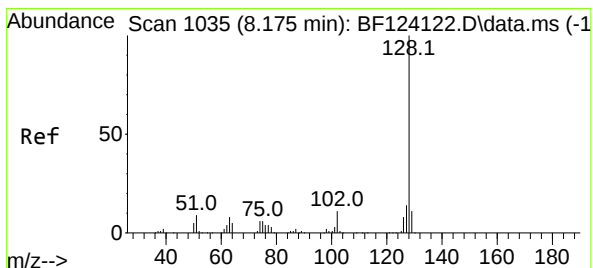
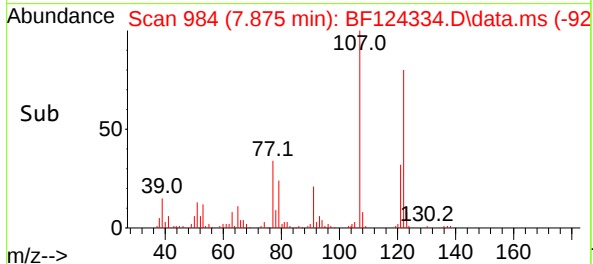
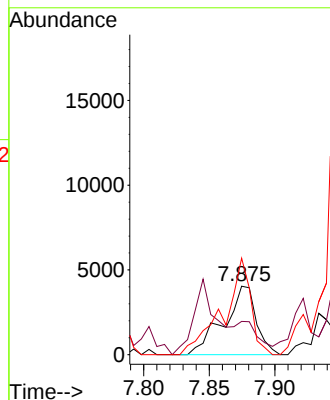
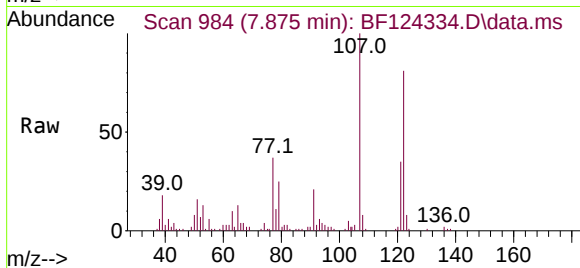
123 140.9 8.4 12.6#

Instrument :

BNA_F

ClientSampleId :

TMR-DS-05-060921DL



#31

Naphthalene

Concen: 2.17 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

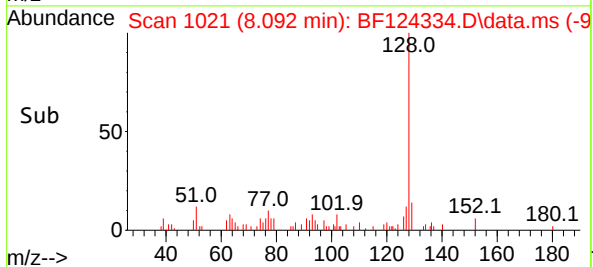
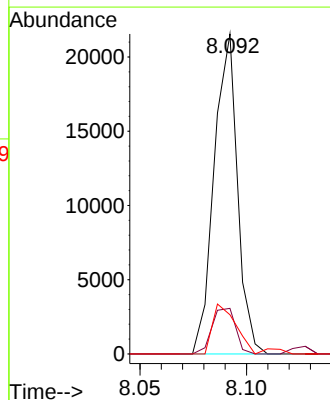
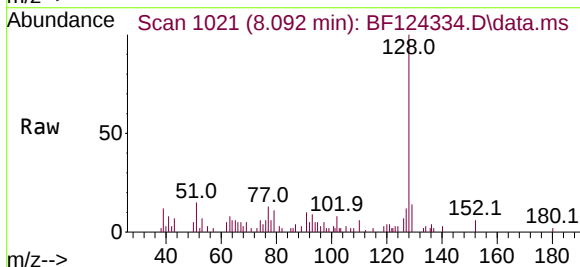
Tgt Ion:128 Resp: 16452

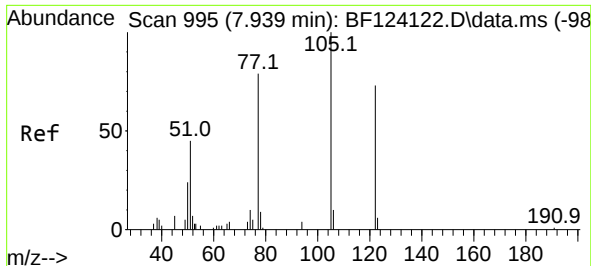
Ion Ratio Lower Upper

128 100

129 14.3 8.9 13.3#

127 12.3 10.8 16.2

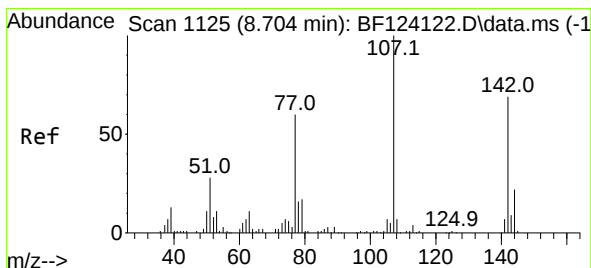
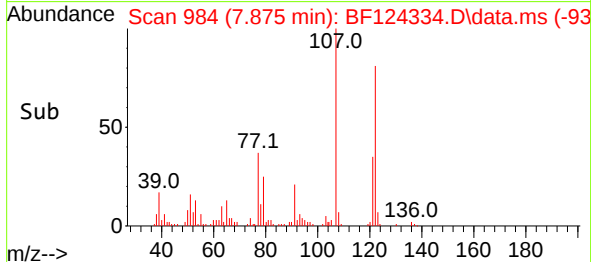
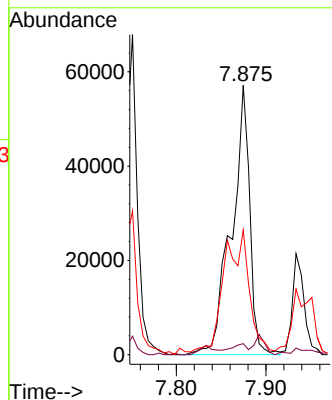
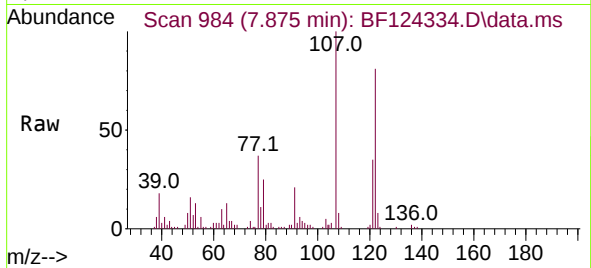




#32
Benzoic acid
Concen: 65.17 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

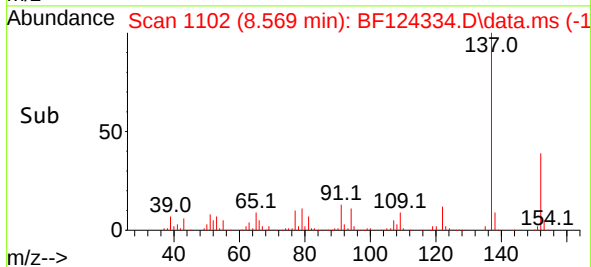
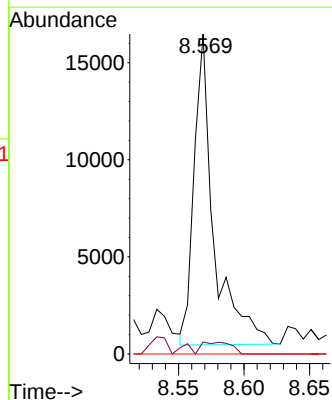
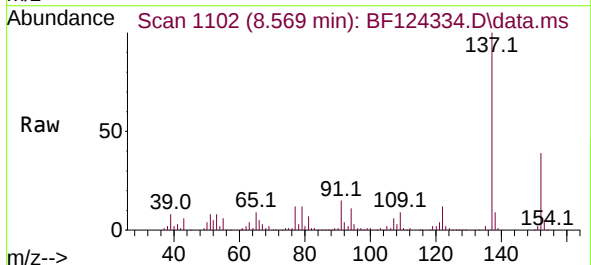
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

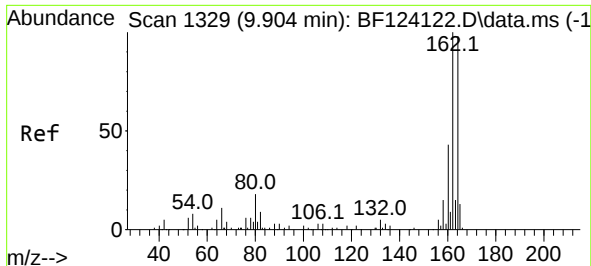
Tgt Ion:122 Resp: 80761
Ion Ratio Lower Upper
122 100
105 4.1 107.8 147.8#
77 46.3 81.6 121.6#



#36
4-Chloro-3-methylphenol
Concen: 6.58 ng
RT: 8.569 min Scan# 1102
Delta R.T. -0.082 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:107 Resp: 16833
Ion Ratio Lower Upper
107 100
144 3.7 16.3 24.5#
142 0.0 50.1 75.1#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

Tgt Ion:164 Resp: 76318

Ion Ratio Lower Upper

164 100

162 116.2 80.7 121.1

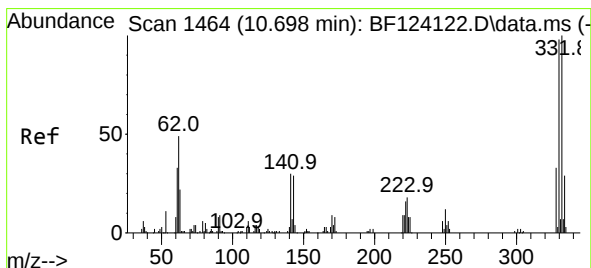
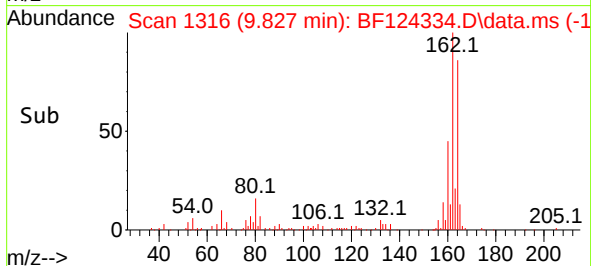
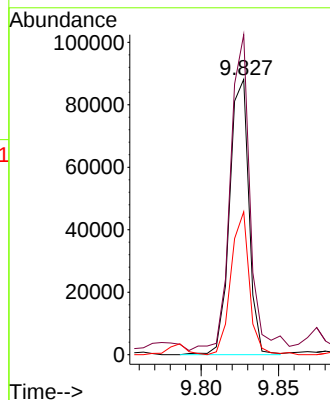
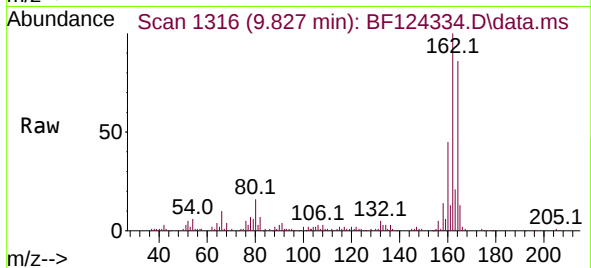
160 51.9 37.3 55.9

Instrument :

BNA_F

ClientSampleId :

TMR-DS-05-060921DL



#42

2,4,6-Tribromophenol

Concen: 24.16 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF124334.D

Acq: 15 Jun 2021 21:24

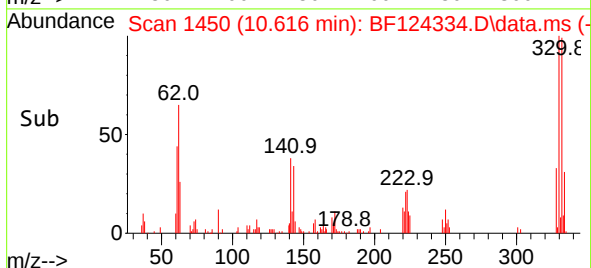
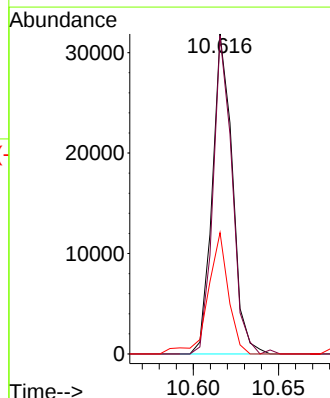
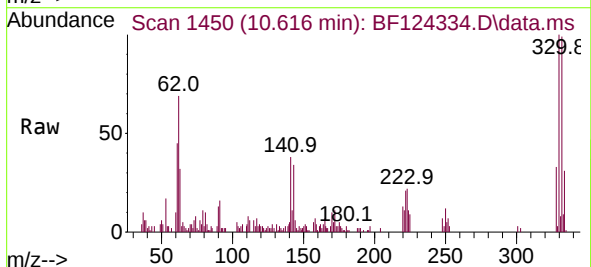
Tgt Ion:330 Resp: 26121

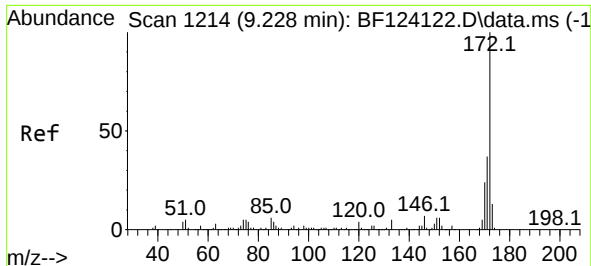
Ion Ratio Lower Upper

330 100

332 94.3 77.1 115.7

141 38.3 27.9 41.9

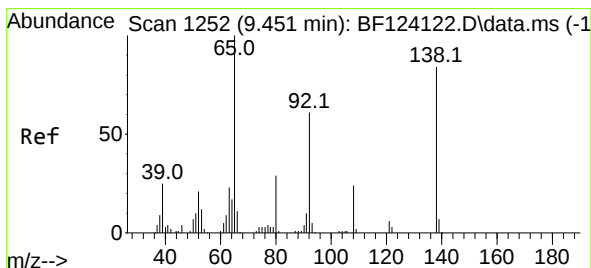
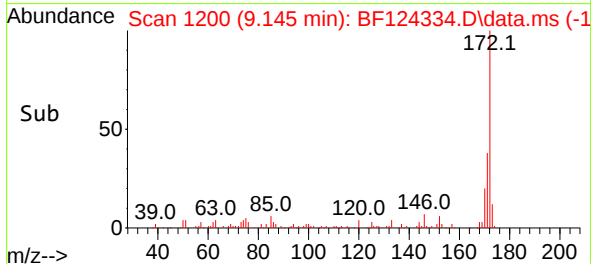
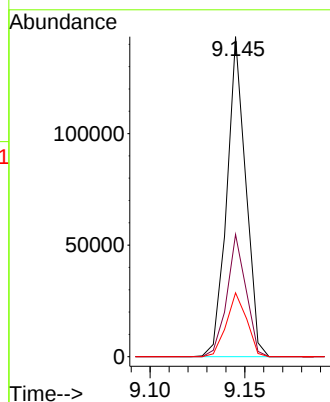
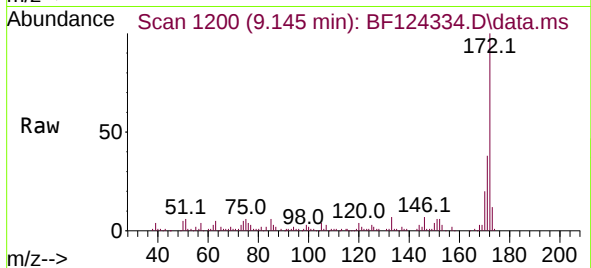




#45
2-Fluorobiphenyl
Concen: 16.42 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

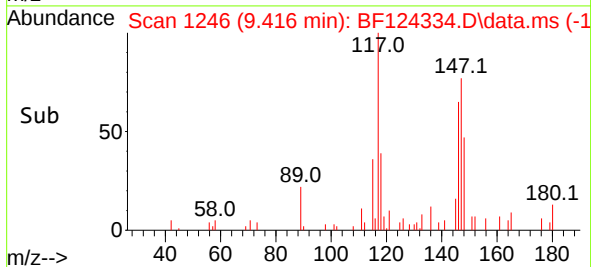
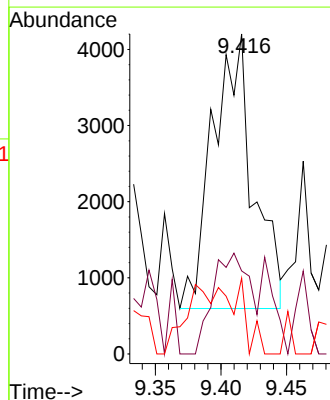
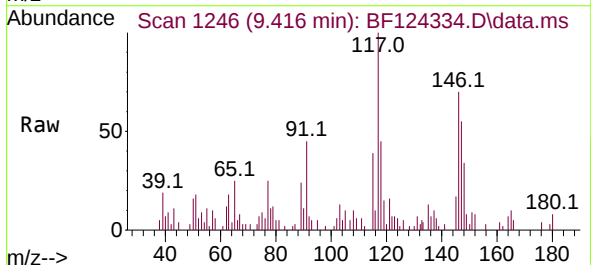
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

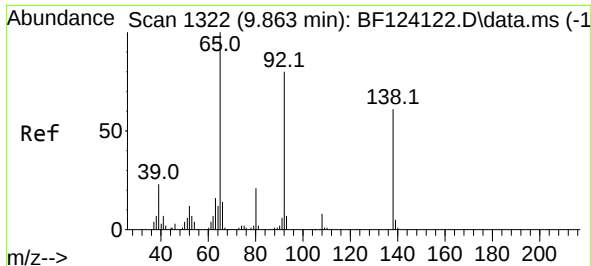
Tgt Ion:172	Resp:	99565
Ion Ratio	Lower	Upper
172	100	
171	38.2	28.1 42.1
170	20.0	19.2 28.8



#48
2-Nitroaniline
Concen: 4.09 ng
RT: 9.416 min Scan# 1246
Delta R.T. 0.035 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion: 65	Resp:	7732
Ion Ratio	Lower	Upper
65	100	
92	26.0	47.1 70.7#
138	23.7	70.2 105.2#

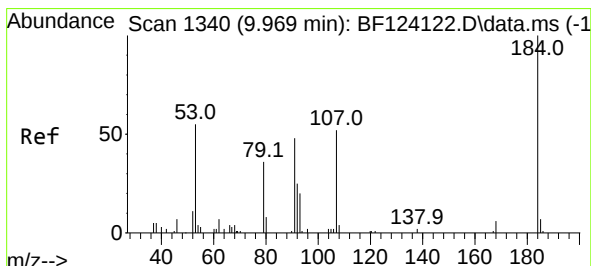
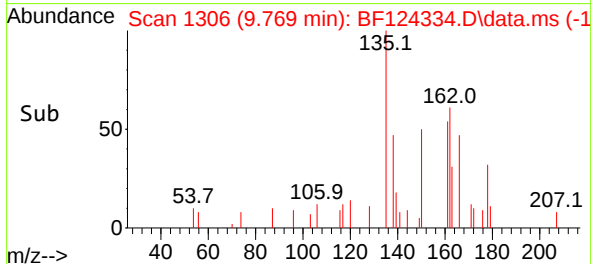
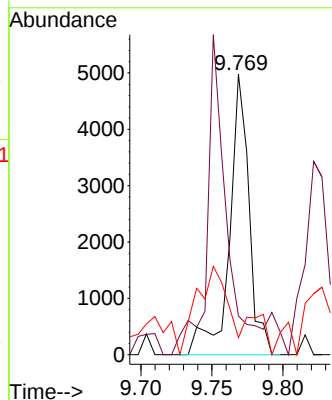
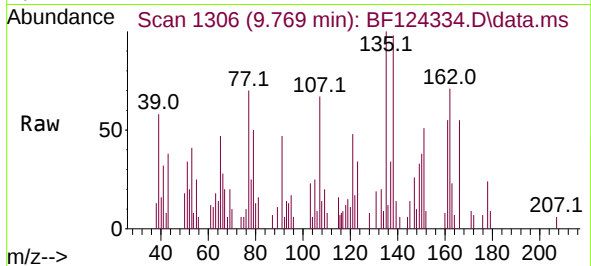




#53
3-Nitroaniline
Concen: 3.51 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.029 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

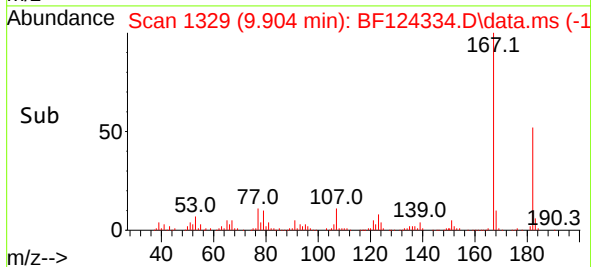
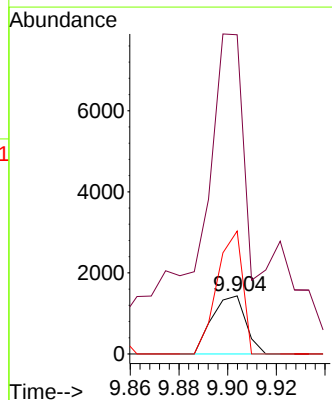
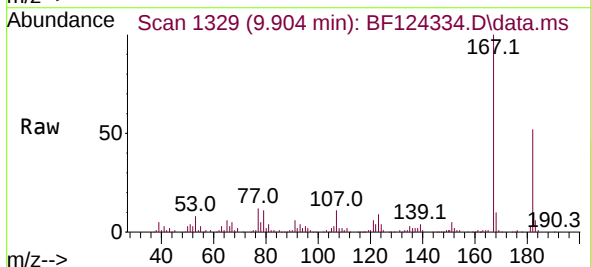
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

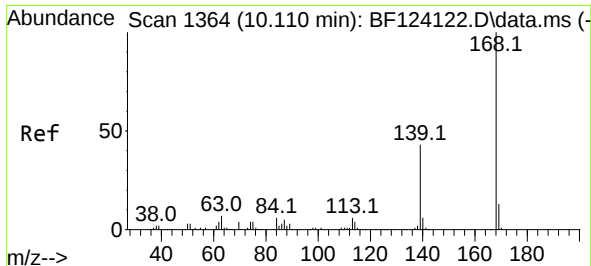
Tgt Ion:138 Resp: 4755
Ion Ratio Lower Upper
138 100
108 13.8 10.2 15.4
92 6.1 103.3 154.9#



#54
2,4-Dinitrophenol
Concen: 5.29 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:184 Resp: 1375
Ion Ratio Lower Upper
184 100
63 549.4 73.5 110.3#
154 211.4 52.5 78.7#

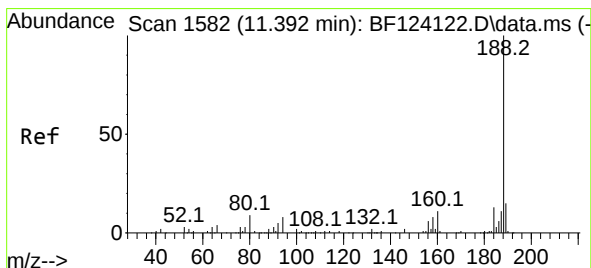
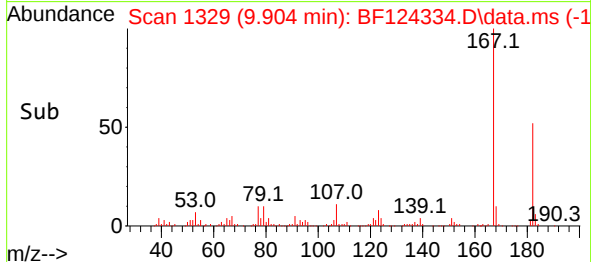
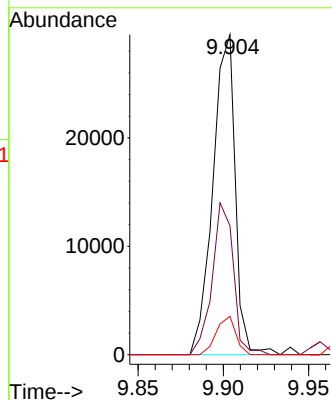
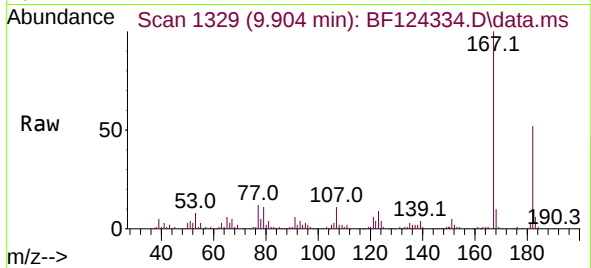




#55
Dibenzenofuran
Concen: 3.46 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.135 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

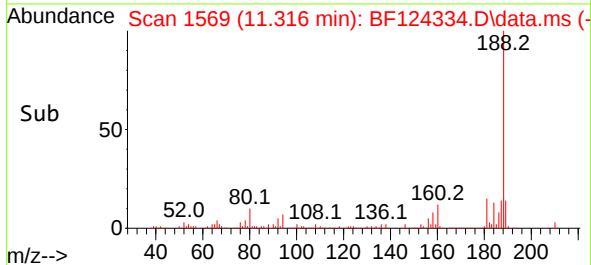
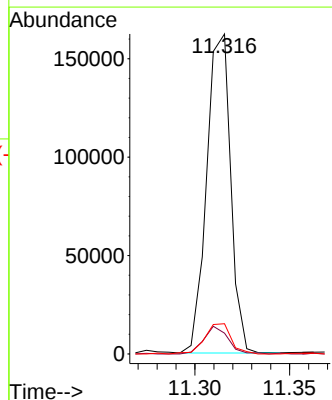
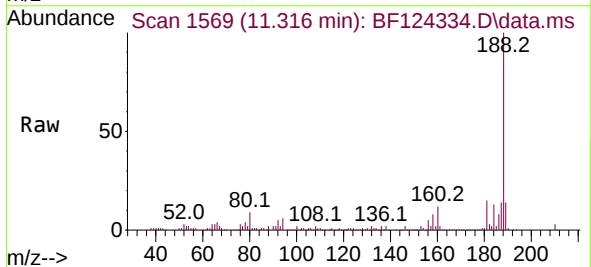
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

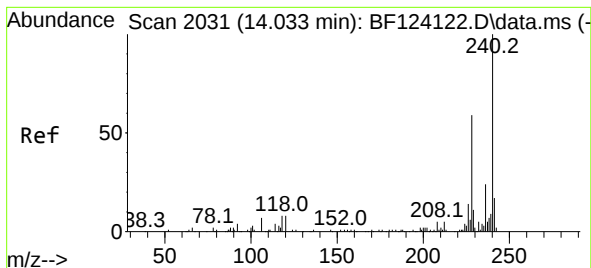
Tgt Ion:168 Resp: 26964
Ion Ratio Lower Upper
168 100
139 40.3 33.2 49.8
169 12.0 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:188 Resp: 143251
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 9.5 8.2 12.2

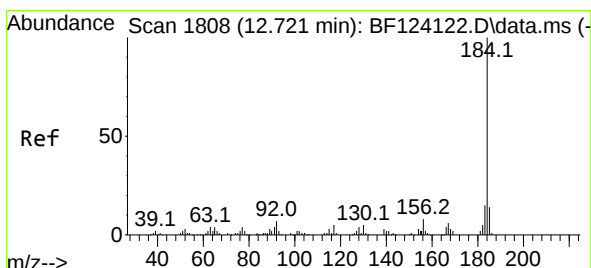
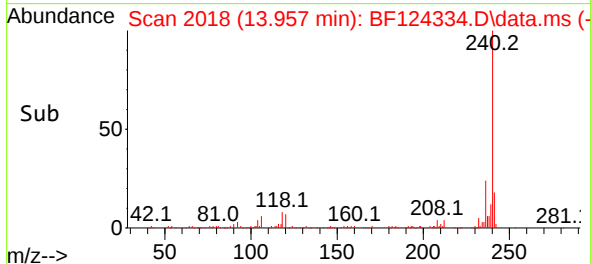
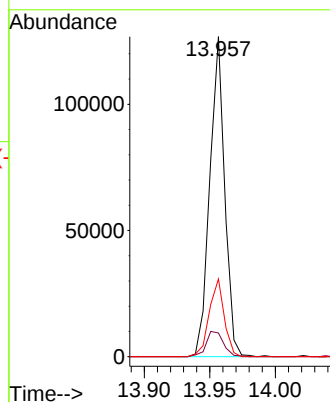
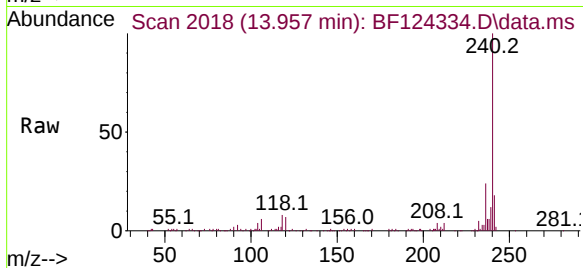




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

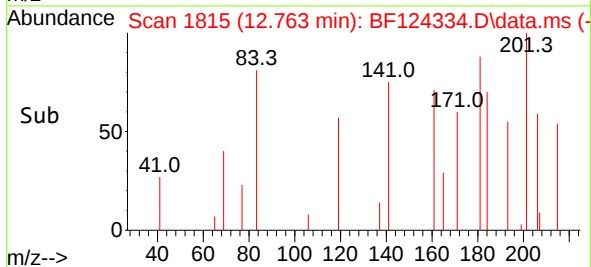
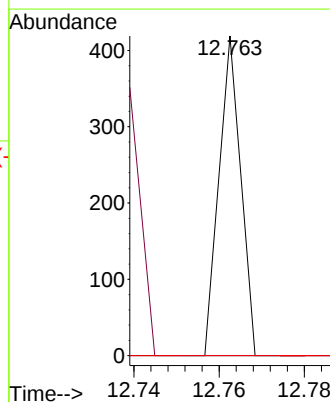
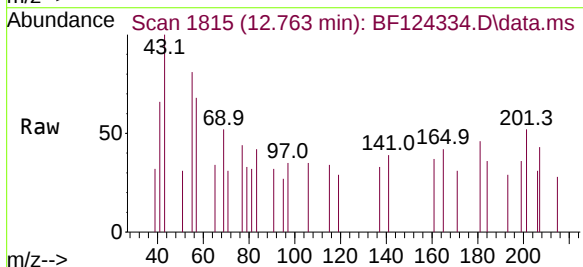
Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

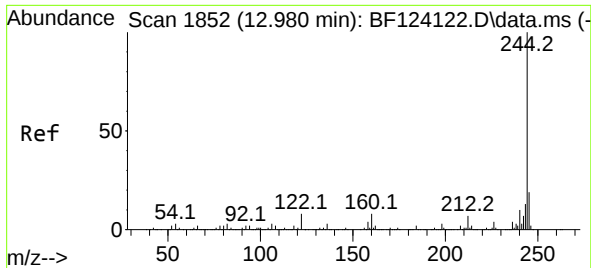
Tgt Ion:240 Resp: 100759
Ion Ratio Lower Upper
240 100
120 7.4 7.2 10.8
236 24.3 19.0 28.4



#77
Benzidine
Concen: 4.12 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.065 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:184 Resp: 148
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

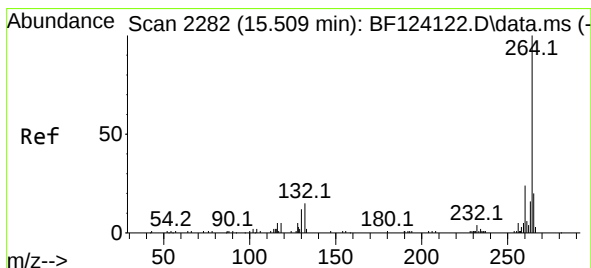
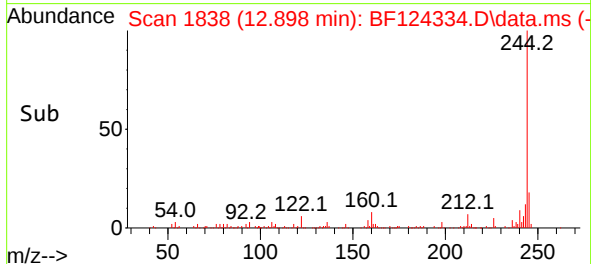
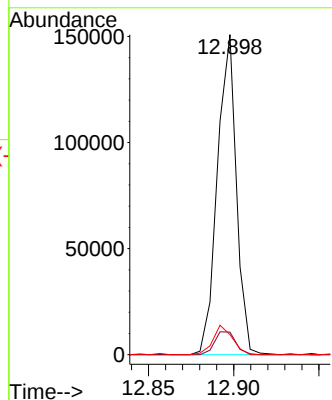
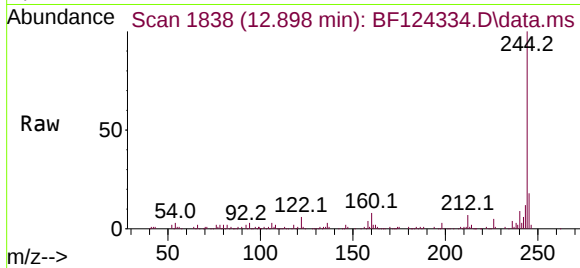




#79
Terphenyl-d14
Concen: 15.98 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Instrument :
BNA_F
ClientSampleId :
TMR-DS-05-060921DL

Tgt Ion:244 Resp: 117307
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 6.3 9.7 14.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF124334.D
Acq: 15 Jun 2021 21:24

Tgt Ion:264 Resp: 89006
Ion Ratio Lower Upper
264 100
260 21.6 18.7 28.1
265 21.2 17.8 26.8

