

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122954.D
 Acq On : 8 Jan 2021 22:07
 Operator : JU/CG
 Sample : M1043-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BALL-1

Quant Time: Jan 08 23:38:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 08 16:17:19 2021
 Response via : Initial Calibration

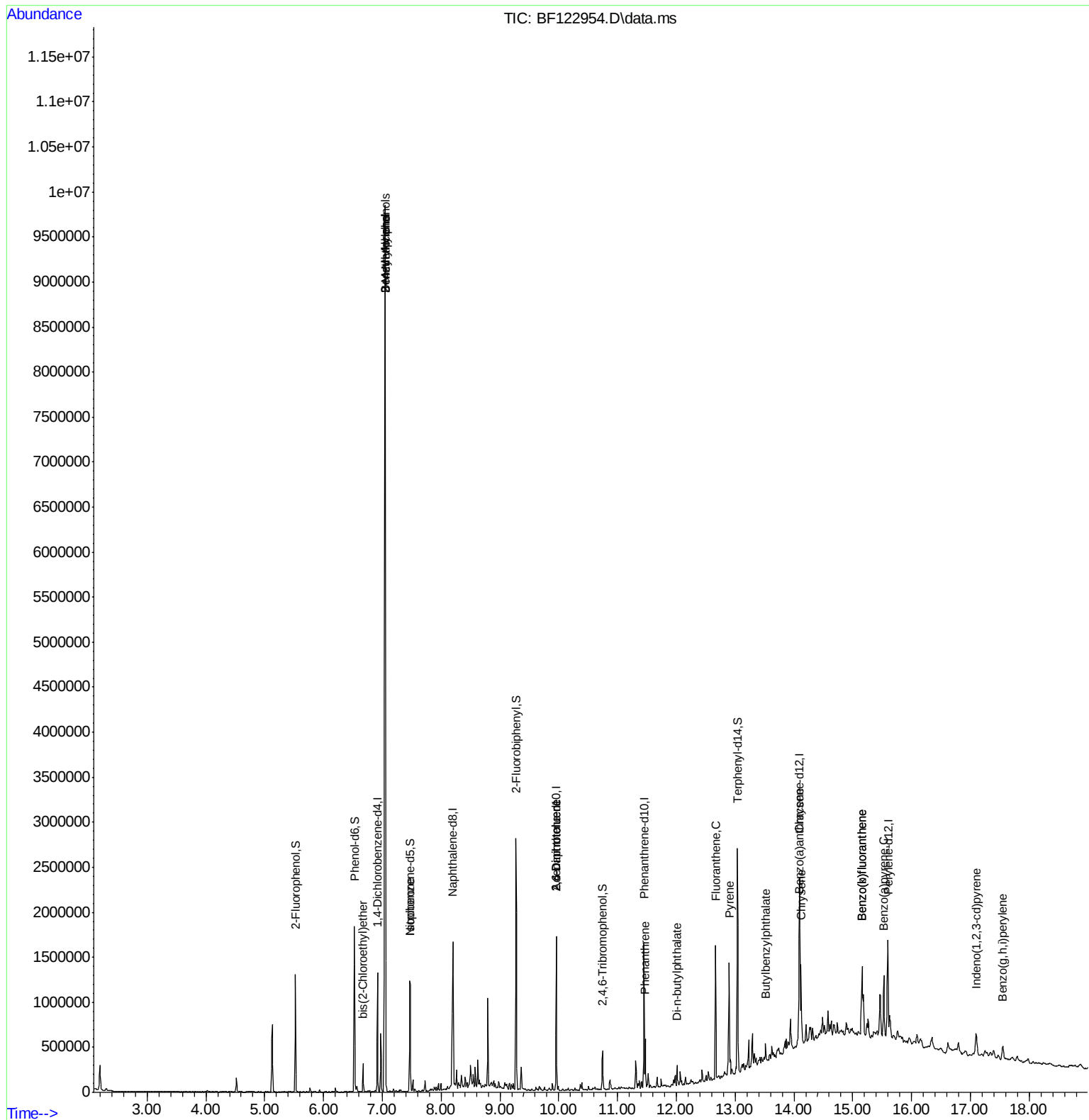
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	180101	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	674511	20.00	ng	0.00
39) Acenaphthene-d10	9.957	164	334403	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	556742	20.00	ng	0.00
76) Chrysene-d12	14.098	240	482005	20.00	ng	# 0.00
86) Perylene-d12	15.598	264	502732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	339750	28.32	ng	-0.01
7) Phenol-d6	6.528	99	580042	35.63	ng	-0.01
23) Nitrobenzene-d5	7.469	82	384975	28.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	45929	12.16	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	774535	32.83	ng	0.00
79) Terphenyl-d14	13.039	244	695857	26.75	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.463	77	1272	Below Cal	#	83
11) bis(2-Chloroethyl)ether	6.675	93	60180	4.65	ng	# 24
15) Benzyl Alcohol	7.051	79	721614	62.82	ng	# 59
17) 2-Methylphenol	7.051	107	425683	39.70	ng	# 1
20) 3+4-Methylphenols	7.051	107	424448	31.02	ng	# 36
25) Isophorone	7.469	82	383300	15.67	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	43998	8.27	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	43998	6.47	ng	# 25
71) Phenanthrene	11.475	178	190286	6.03	ng	98
74) Di-n-butylphthalate	12.010	149	105605	3.05	ng	99
75) Fluoranthene	12.669	202	539566	16.07	ng	98
78) Pyrene	12.898	202	489994	13.08	ng	99
80) Butylbenzylphthalate	13.516	149	40797	2.50	ng	99
81) Benzo(a)anthracene	14.086	228	397651	12.29	ng	99
83) Chrysene	14.127	228	352231	11.30	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	156940	4.83	ng	97
88) Benzo(b)fluoranthene	15.157	252	626524	17.73	ng	# 96
89) Benzo(k)fluoranthene	15.157	252	626524	19.25	ng	# 95
90) Benzo(a)pyrene	15.527	252	336154	10.82	ng	96
92) Benzo(g,h,i)perylene	17.551	276	128059	5.05	ng	97

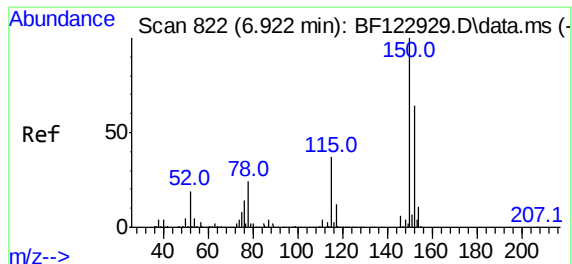
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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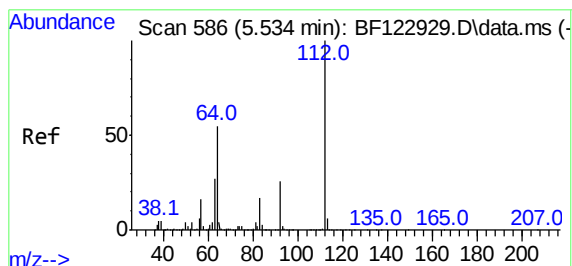
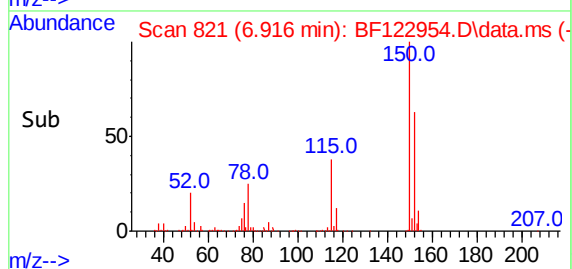
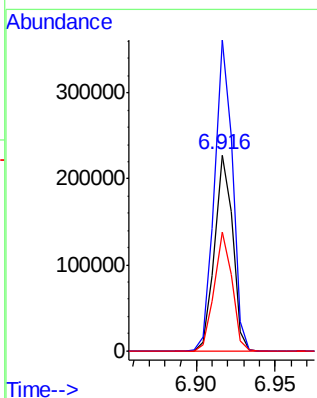
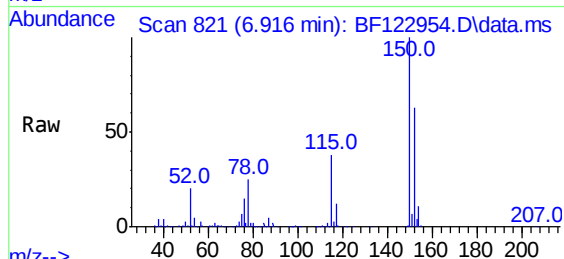




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

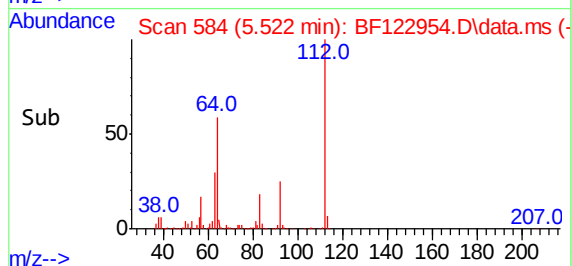
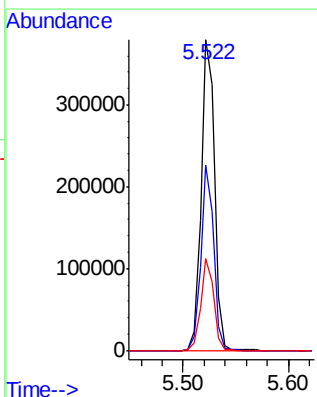
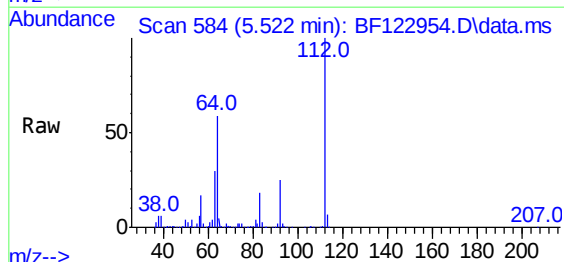
Instrument :
BNA_F
ClientSampleId :
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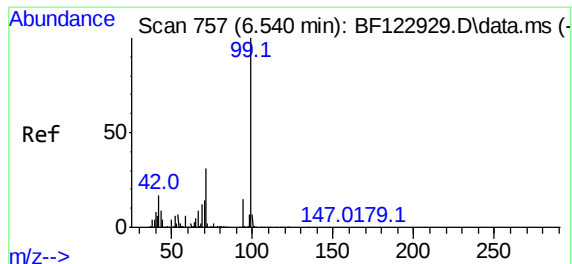
Tgt Ion:152 Resp: 180101
Ion Ratio Lower Upper
152 100
150 158.6 125.8 188.6
115 60.6 49.3 73.9



#5
2-Fluorophenol
Concen: 28.32 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:112 Resp: 339750
Ion Ratio Lower Upper
112 100
64 59.5 46.9 70.3
63 29.7 24.5 36.7

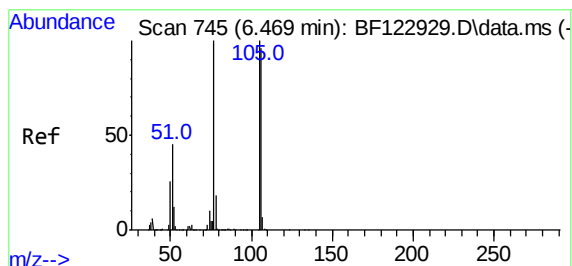
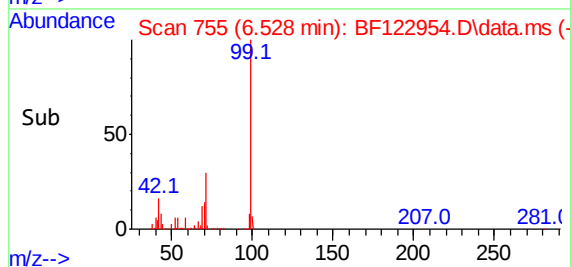
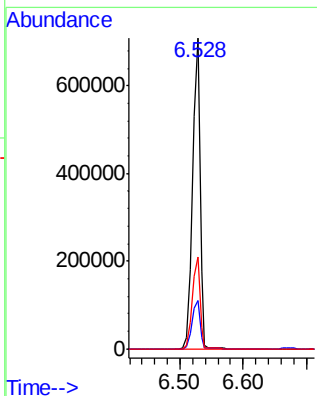
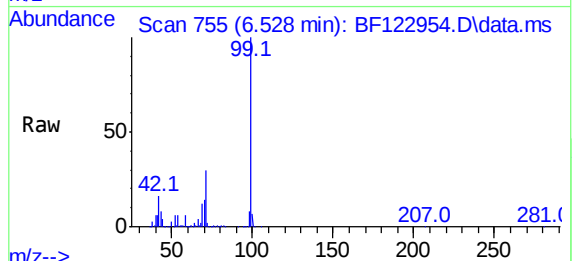




#7
Phenol-d6
Concen: 35.63 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

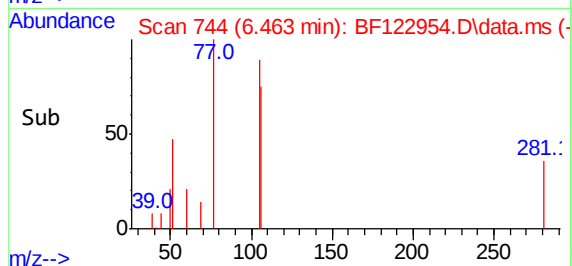
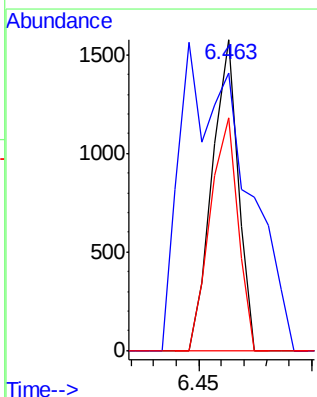
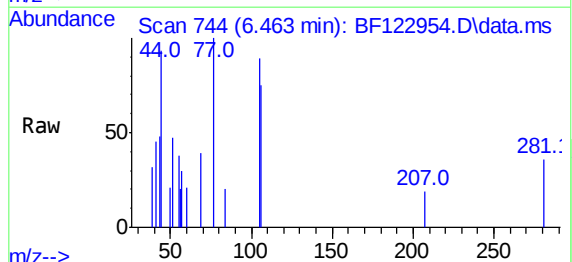
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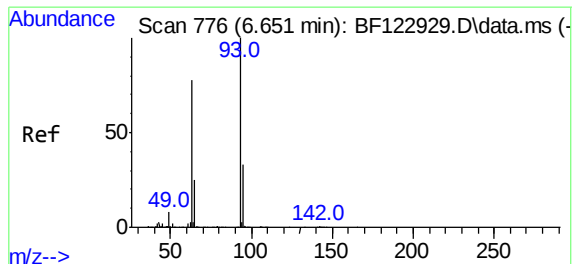
Tgt Ion: 99 Resp: 580042
Ion Ratio Lower Upper
99 100
42 15.5 13.8 20.6
71 29.7 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion: 77 Resp: 1272
Ion Ratio Lower Upper
77 100
105 89.5 80.6 120.6
106 74.9 77.2 117.2#

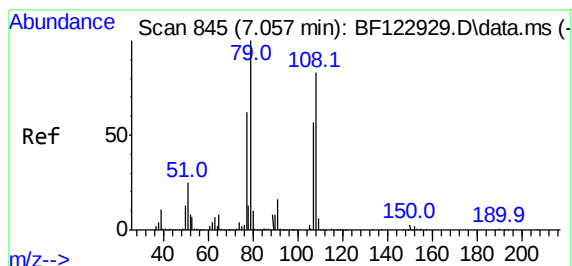
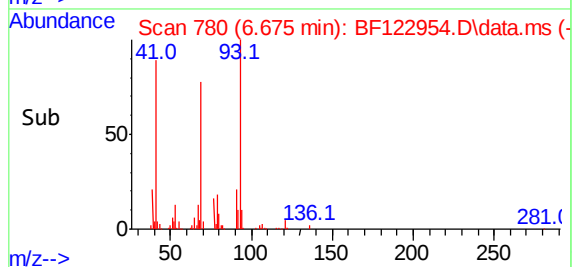
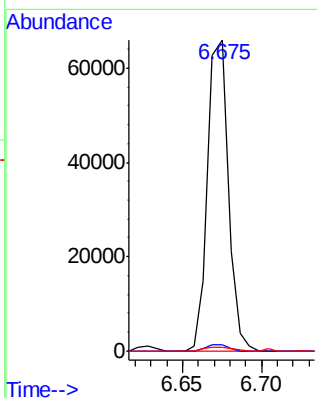
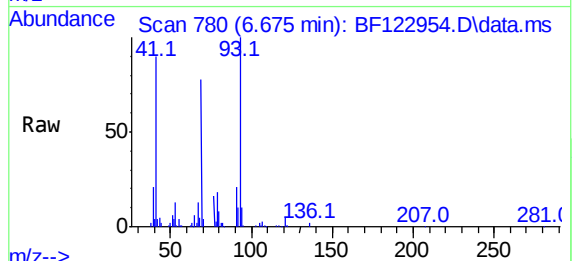




#11
bis(2-Chloroethyl)ether
Concen: 4.65 ng
RT: 6.675 min Scan# 780
Delta R.T. 0.024 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

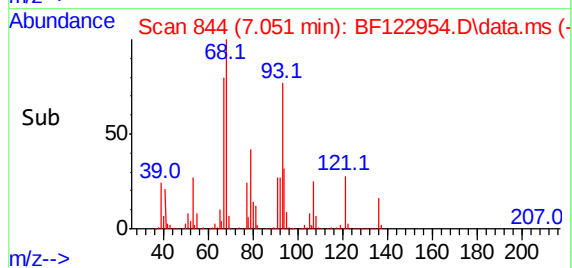
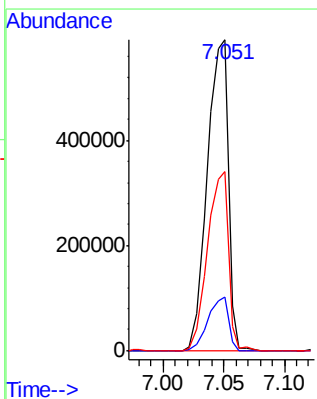
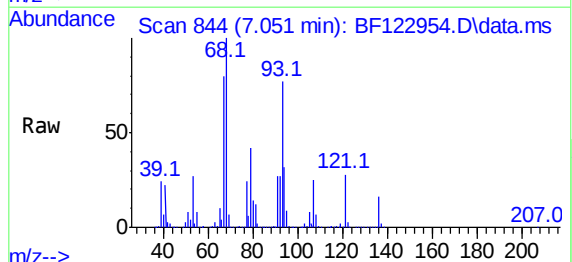
Instrument :
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ClientSampleId :
BALL-1

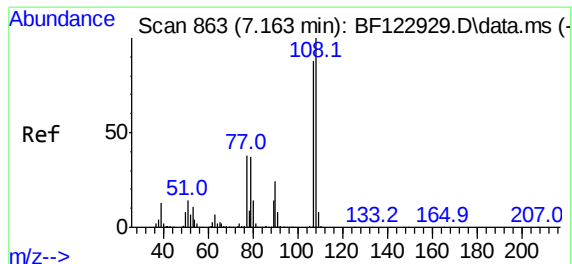
Tgt Ion: 93 Resp: 60180
Ion Ratio Lower Upper
93 100
63 1.9 52.6 92.6#
95 1.1 12.6 52.6#



#15
Benzyl Alcohol
Concen: 62.82 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion: 79 Resp: 721614
Ion Ratio Lower Upper
79 100
108 17.3 62.4 93.6#
77 57.7 49.0 73.6



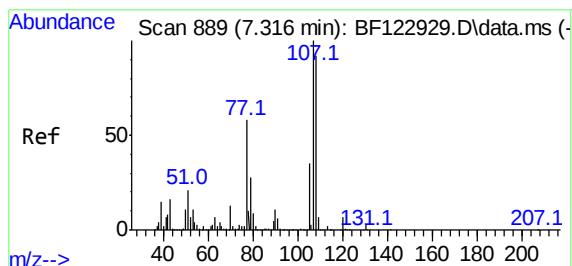
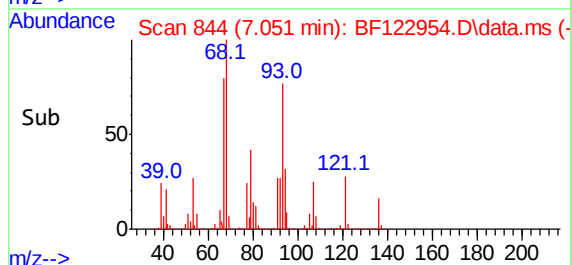
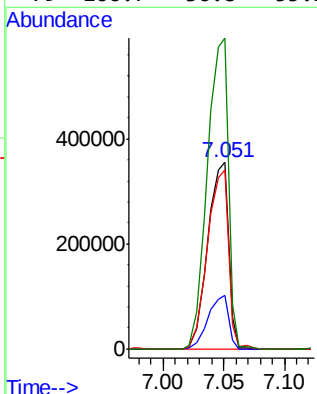
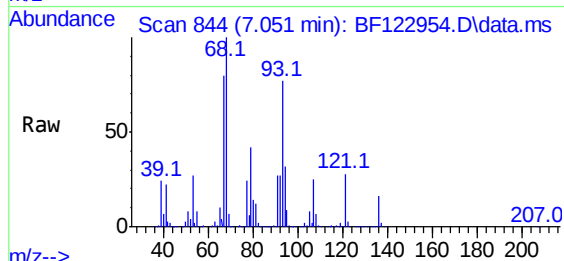


#17
2-Methylphenol
Concen: 39.70 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.112 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Instrument :
BNA_F
ClientSampleId :
BALL-1

Tgt Ion:107 Resp: 425683

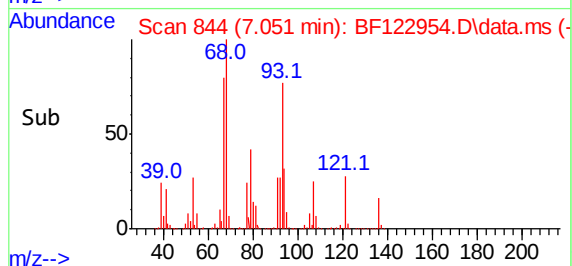
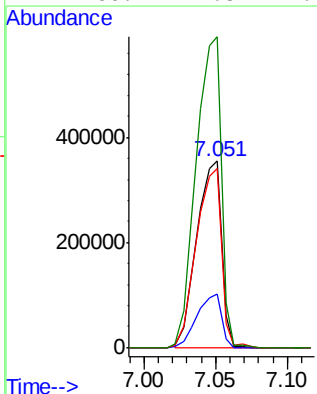
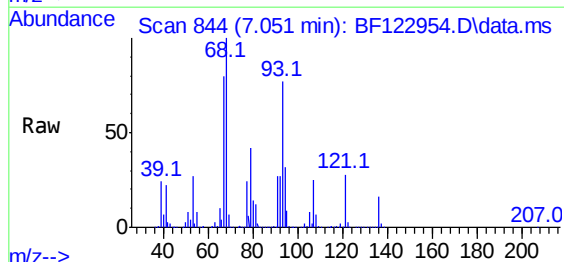
Ion	Ratio	Lower	Upper
107	100		
108	28.8	91.1	136.7#
77	96.1	36.3	54.5#
79	166.7	36.8	55.2#

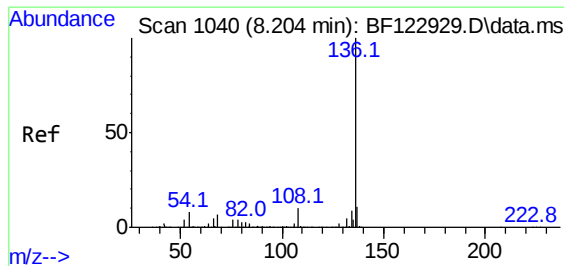


#20
3+4-Methylphenols
Concen: 31.02 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.265 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:107 Resp: 424448

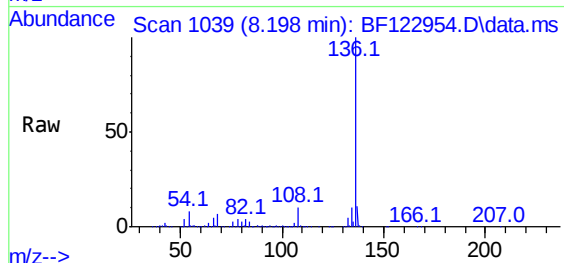
Ion	Ratio	Lower	Upper
107	100		
108	28.8	68.7	108.7#
77	96.1	89.8	129.8
79	166.7	9.8	49.8#





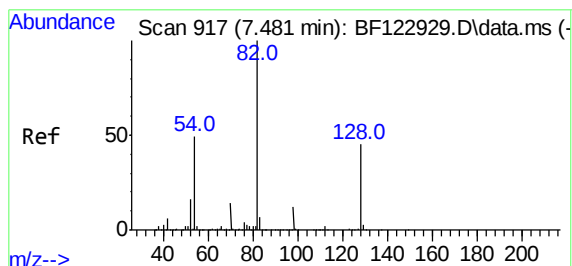
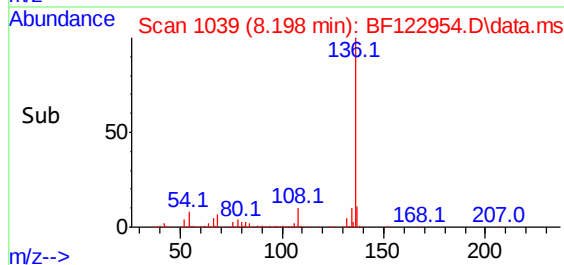
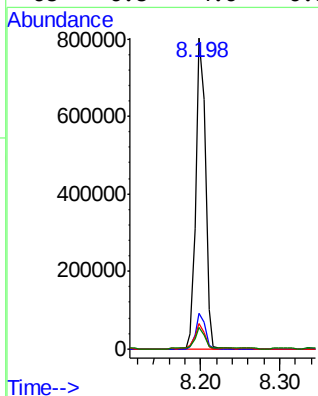
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Instrument :
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ClientSampleId :
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Tgt Ion:136 Resp: 674511

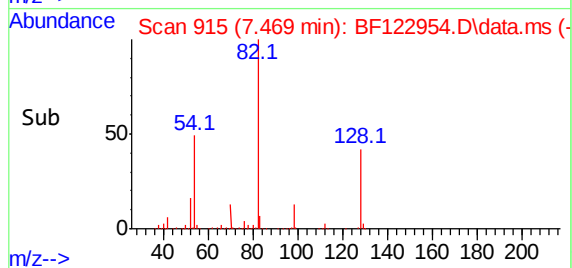
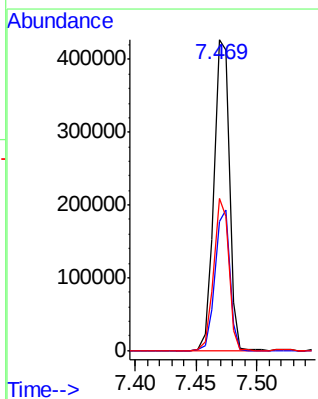
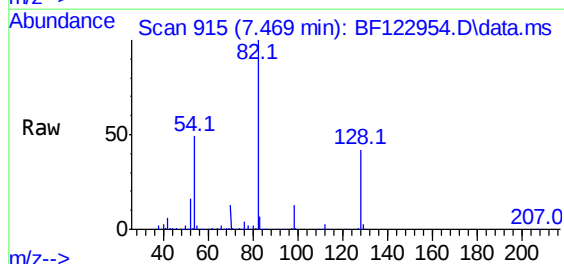
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.3	5.5	8.3
68	6.8	4.6	6.8

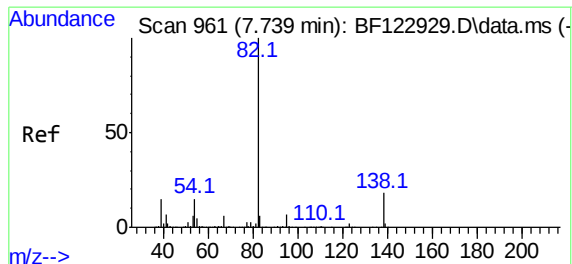


#23
Nitrobenzene-d5
Concen: 28.22 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion: 82 Resp: 384975

Ion	Ratio	Lower	Upper
82	100		
128	41.7	37.0	55.4
54	48.7	38.4	57.6

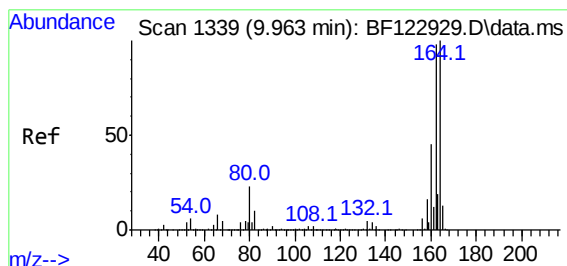
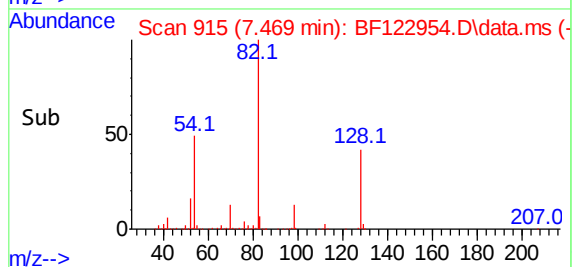
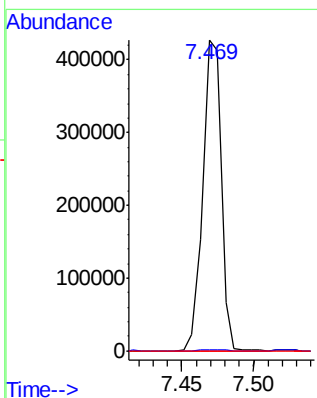
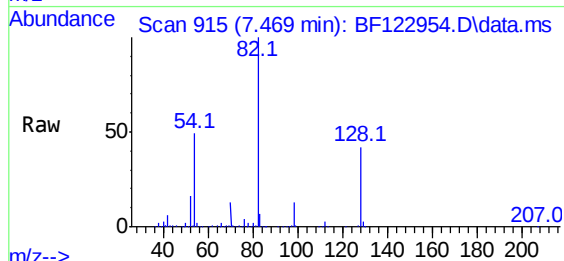




#25
Isophorone
Concen: 15.67 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.271 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

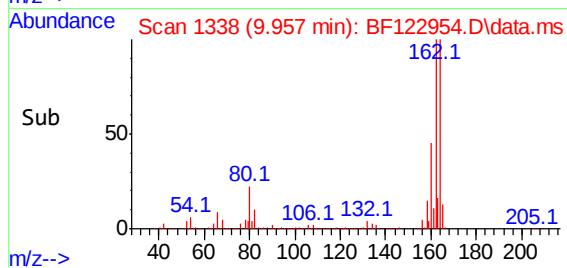
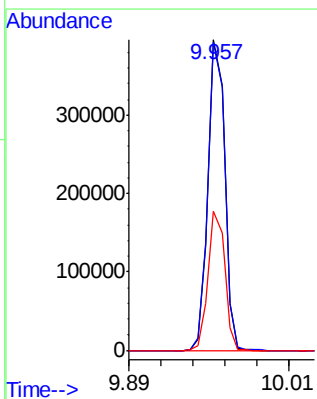
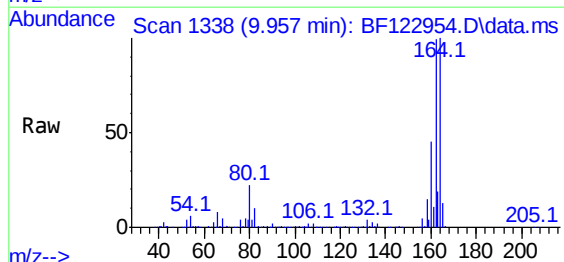
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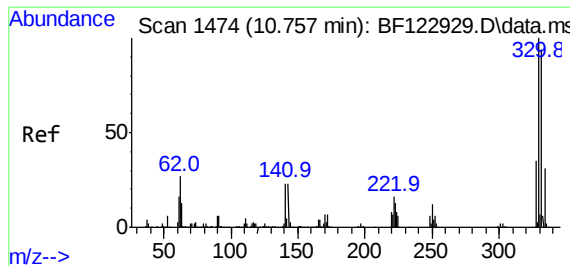
Tgt Ion: 82 Resp: 383300
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion: 164 Resp: 334403
Ion Ratio Lower Upper
164 100
162 99.2 80.8 121.2
160 44.6 35.4 53.0

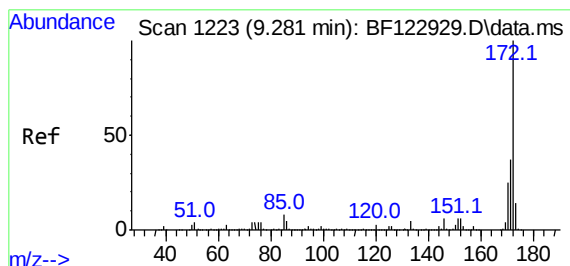
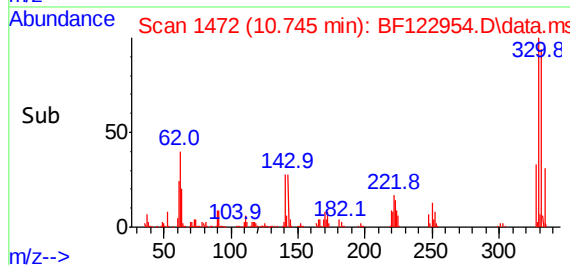
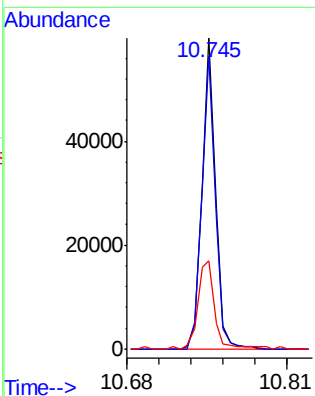
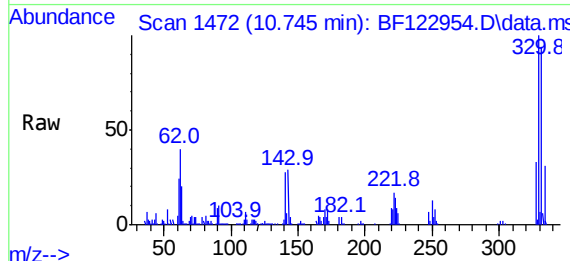




#42
2,4,6-Tribromophenol
Concen: 12.16 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

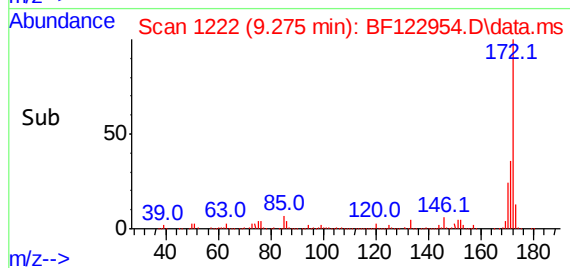
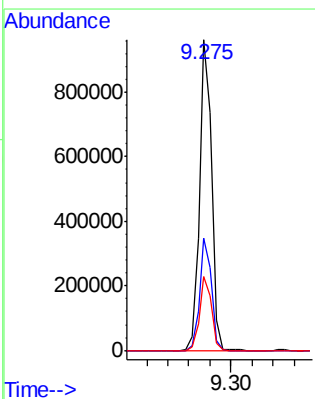
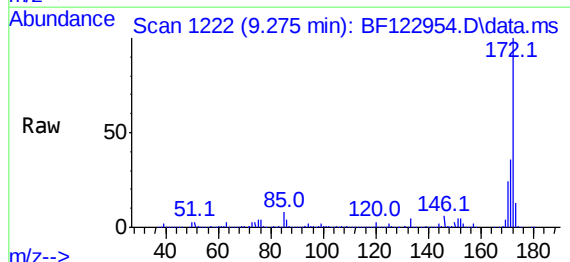
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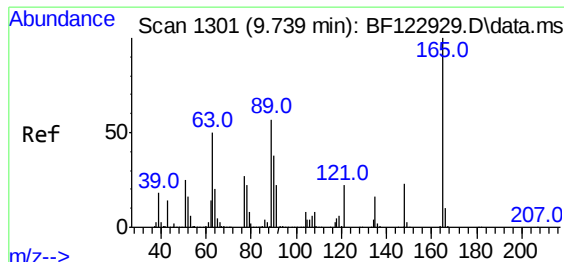
Tgt Ion:330 Resp: 45929
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 34.3 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 32.83 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:172 Resp: 774535
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.0 19.5 29.3

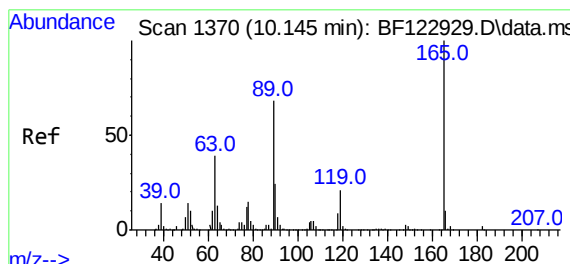
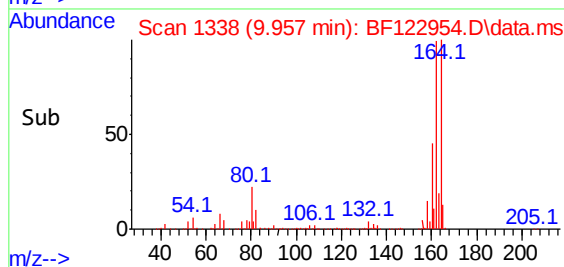
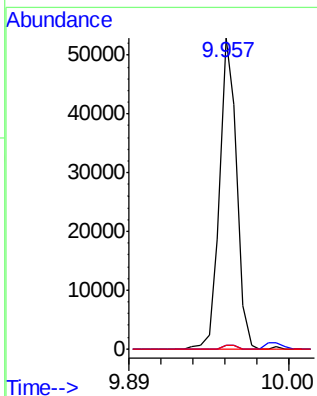
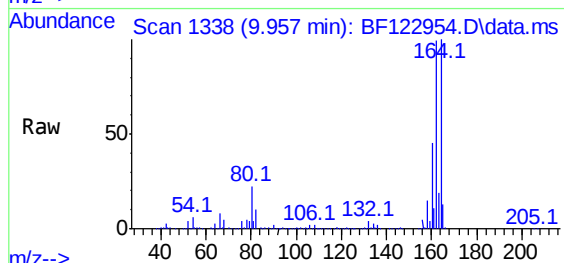




#51
2,6-Dinitrotoluene
Concen: 8.27 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.218 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

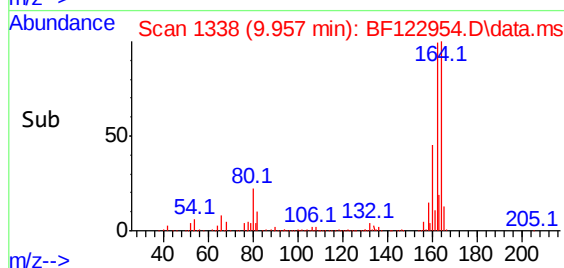
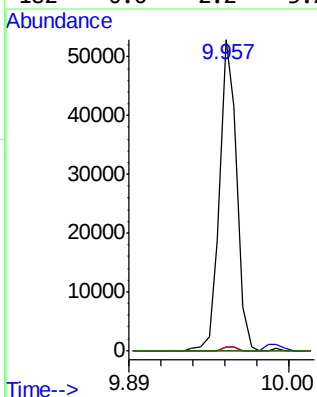
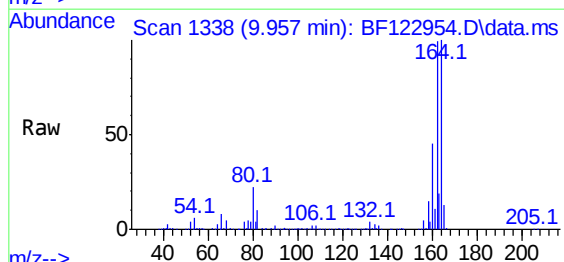
Instrument :
BNA_F
ClientSampleId :
BALL-1

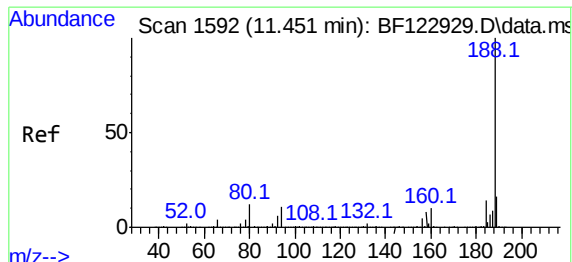
Tgt Ion:165 Resp: 43998
Ion Ratio Lower Upper
165 100
63 1.0 36.6 55.0#
89 1.1 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:165 Resp: 43998
Ion Ratio Lower Upper
165 100
63 1.0 34.3 51.5#
89 1.1 55.2 82.8#
182 0.0 2.2 3.2#

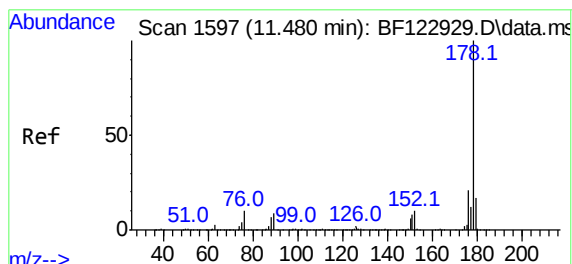
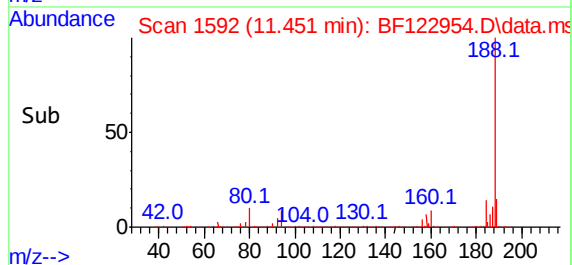
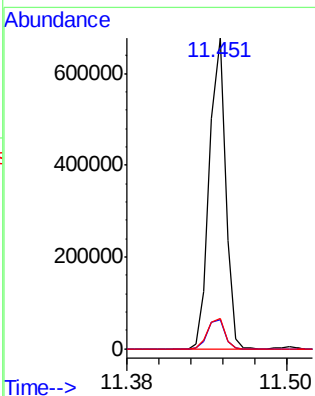
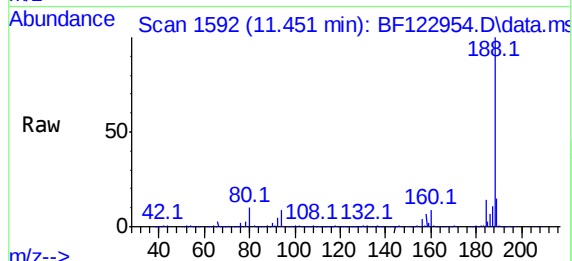




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

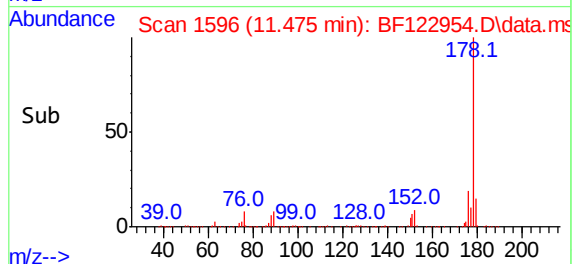
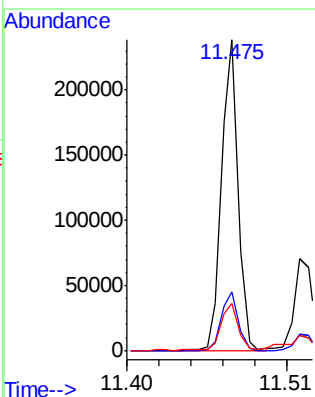
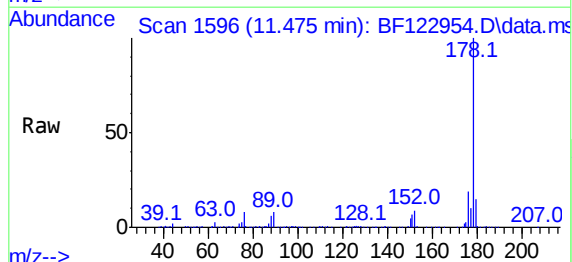
Instrument :
BNA_F
ClientSampleId :
BALL-1

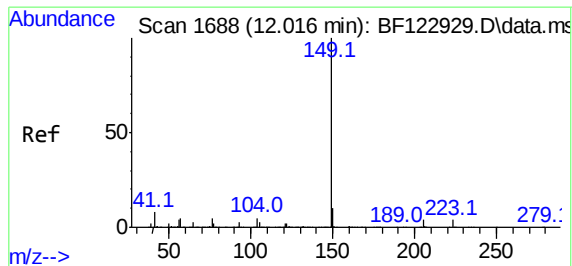
Tgt Ion:188 Resp: 556742
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.7 8.2 12.4



#71
Phenanthrene
Concen: 6.03 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:178 Resp: 190286
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 15.2 12.7 19.1

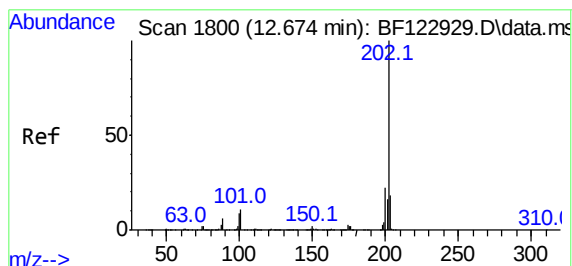
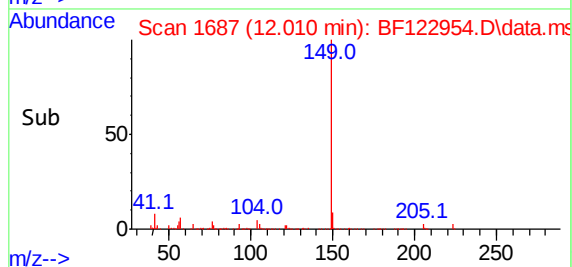
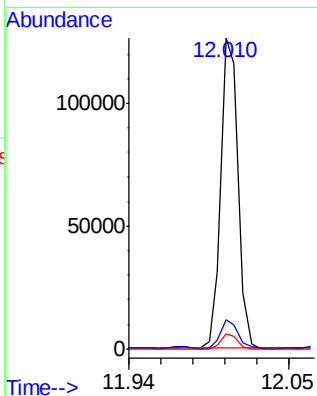
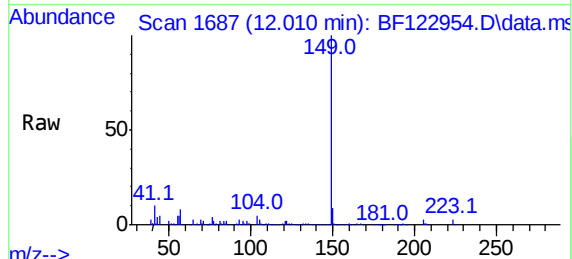




#74
Di-n-butylphthalate
Concen: 3.05 ng
RT: 12.010 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

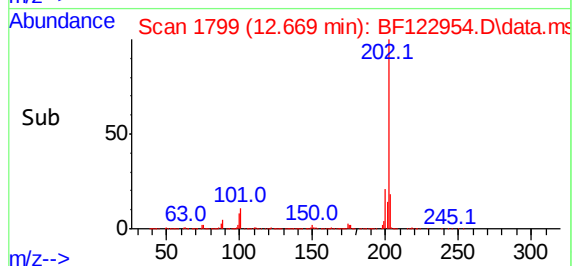
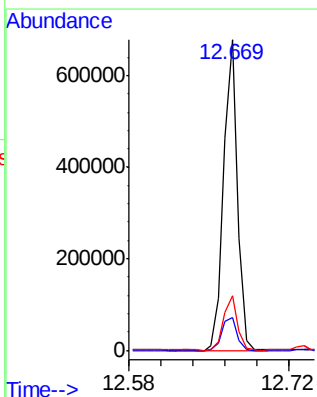
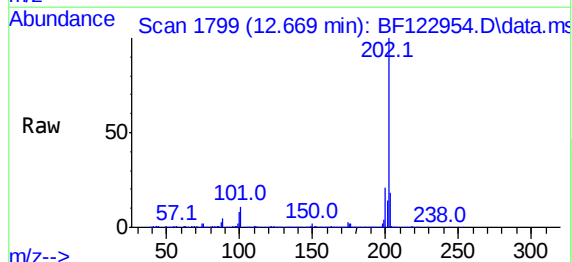
Instrument :
BNA_F
ClientSampleId :
BALL-1

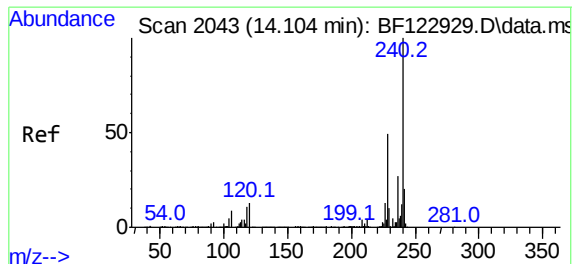
Tgt Ion:149 Resp: 105605
Ion Ratio Lower Upper
149 100
150 9.4 7.8 11.6
104 4.9 4.2 6.4



#75
Fluoranthene
Concen: 16.07 ng
RT: 12.669 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:202 Resp: 539566
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.2
203 17.6 0.0 38.1

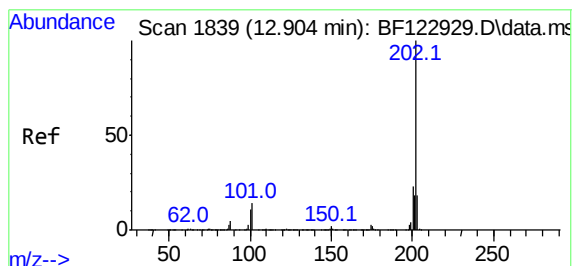
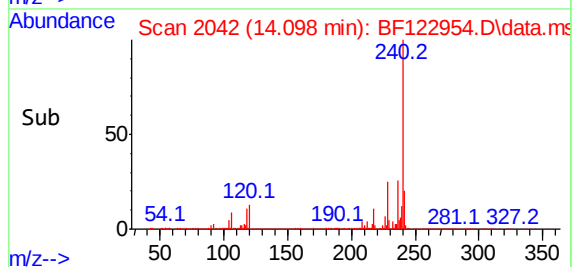
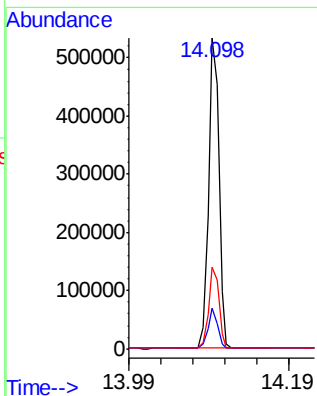
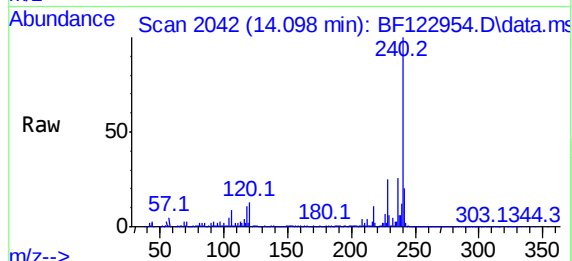




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

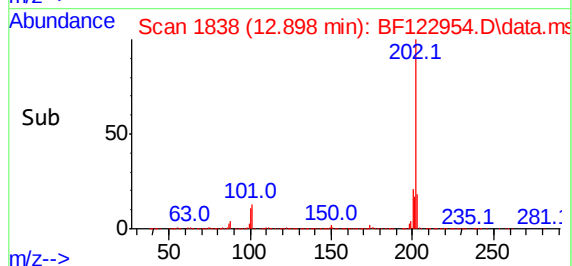
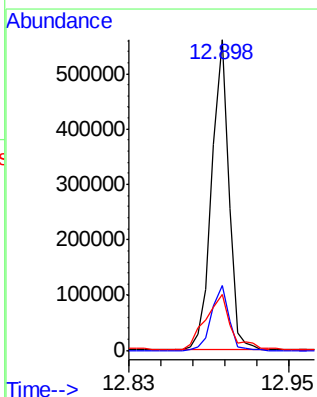
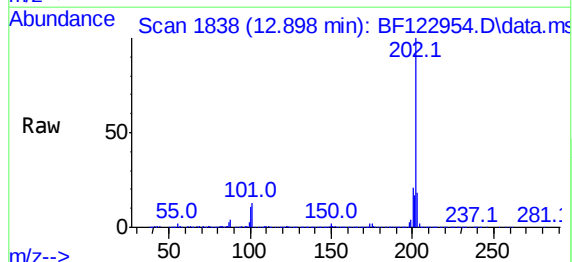
Instrument :
BNA_F
ClientSampleId :
BALL-1

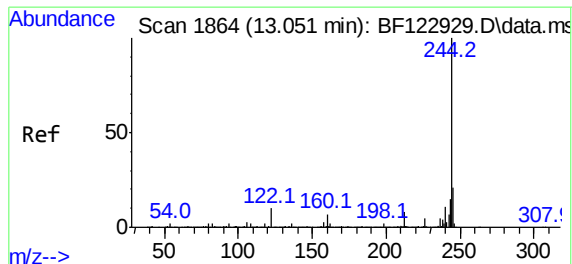
Tgt Ion:240 Resp: 482005
Ion Ratio Lower Upper
240 100
120 13.1 8.6 12.8#
236 26.1 20.3 30.5



#78
Pyrene
Concen: 13.08 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:202 Resp: 489994
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 18.2 14.6 21.8

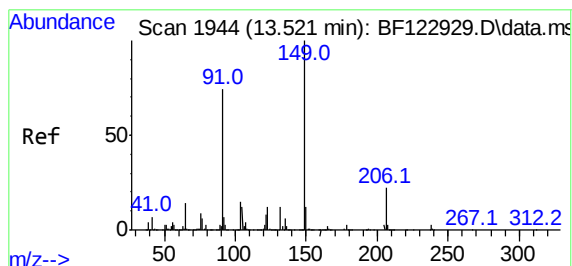
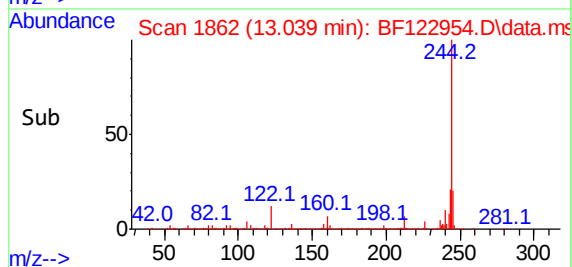
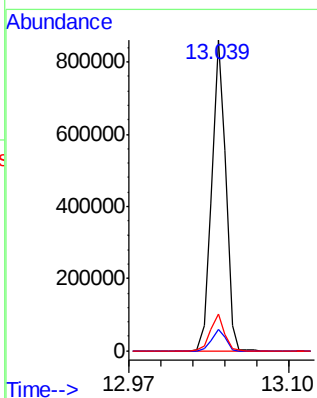
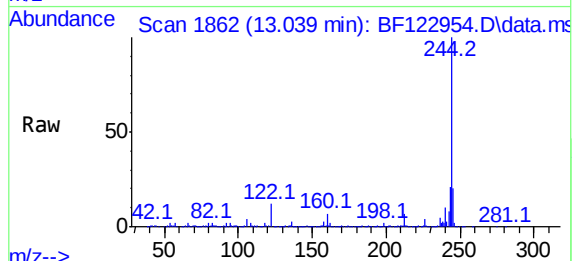




#79
Terphenyl-d14
Concen: 26.75 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

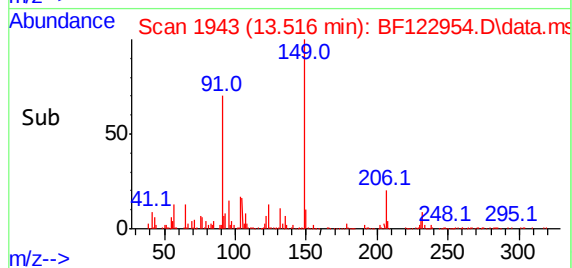
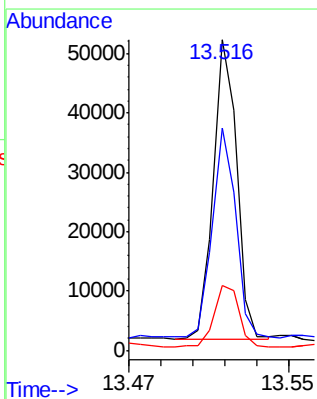
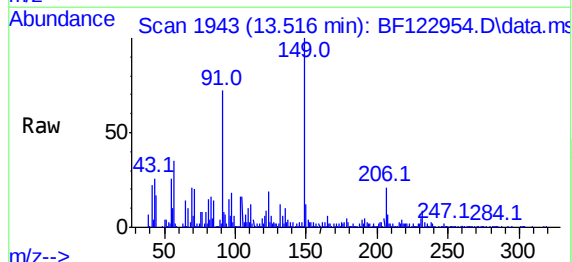
Instrument :
BNA_F
ClientSampleId :
BALL-1

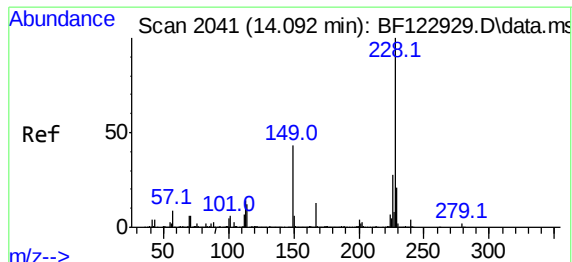
Tgt Ion:244 Resp: 695857
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 12.0 8.3 12.5



#80
Butylbenzylphthalate
Concen: 2.50 ng
RT: 13.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:149 Resp: 40797
Ion Ratio Lower Upper
149 100
91 71.7 56.5 84.7
206 20.8 17.0 25.6

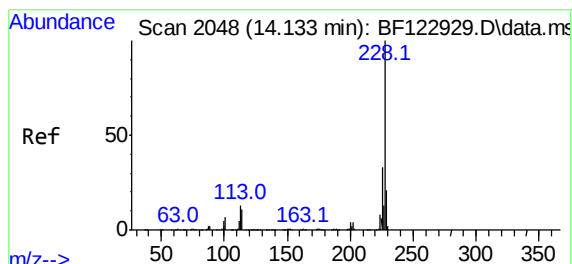
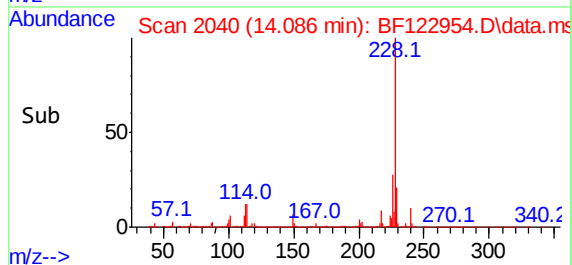
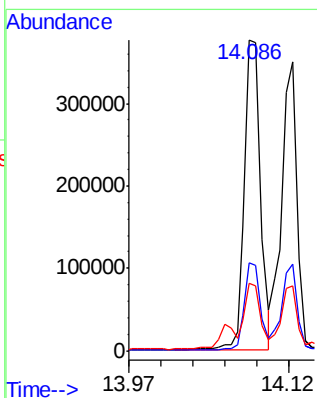
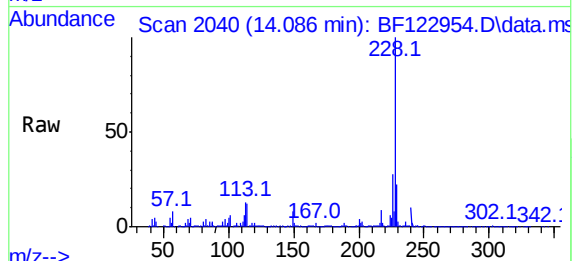




#81
Benzo(a)anthracene
Concen: 12.29 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

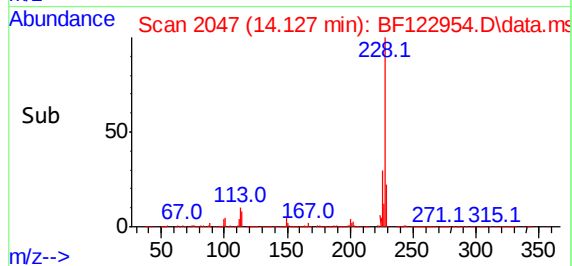
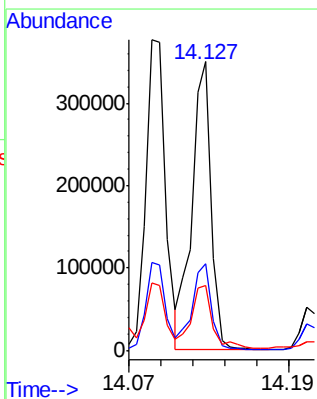
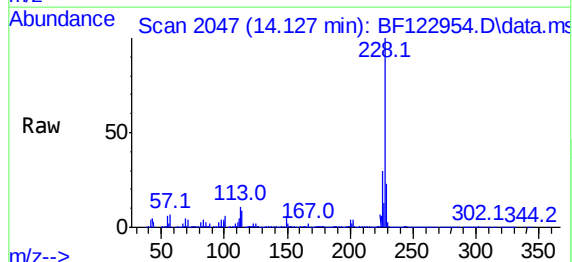
Instrument :
BNA_F
ClientSampleId :
BALL-1

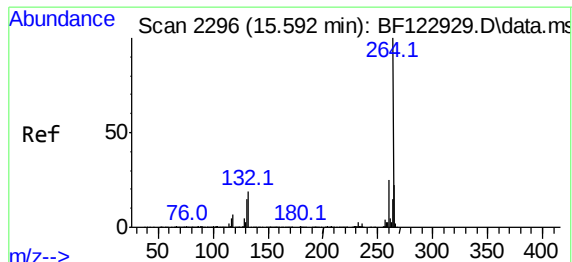
Tgt Ion:228 Resp: 397651
Ion Ratio Lower Upper
228 100
226 28.4 23.0 34.4
229 21.6 16.6 24.8



#83
Chrysene
Concen: 11.30 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:228 Resp: 352231
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 22.5 15.8 23.6

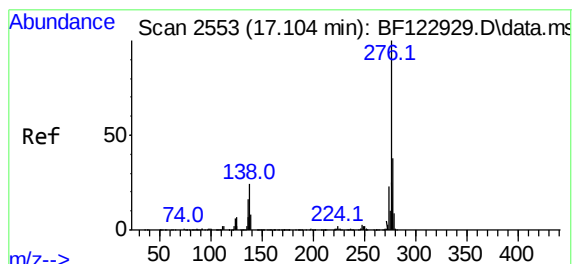
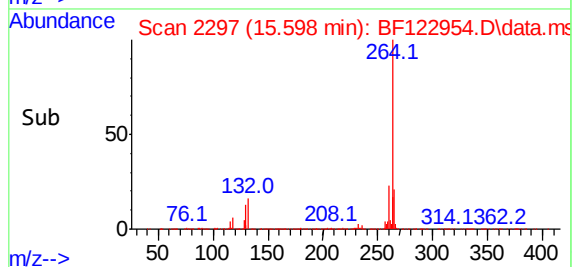
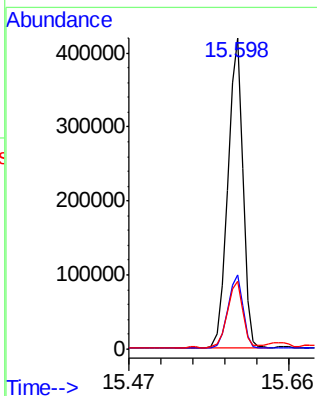
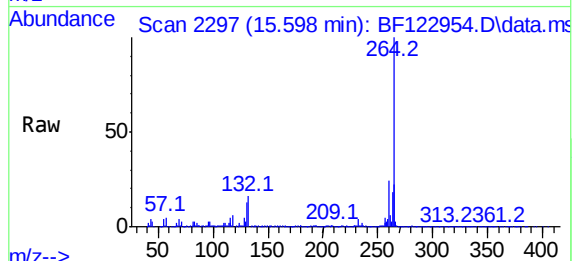




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.598 min Scan# 2297
Delta R.T. 0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

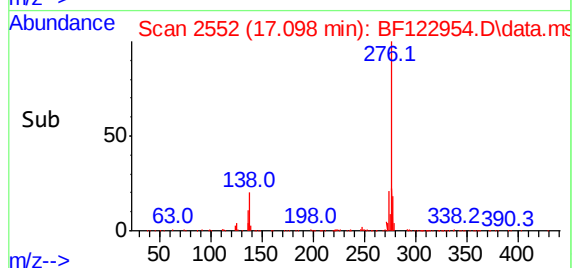
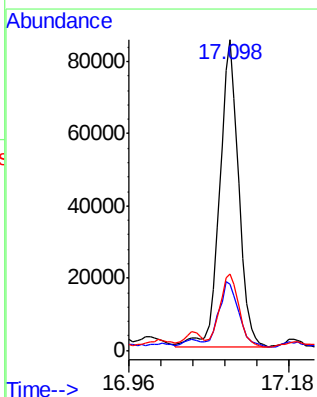
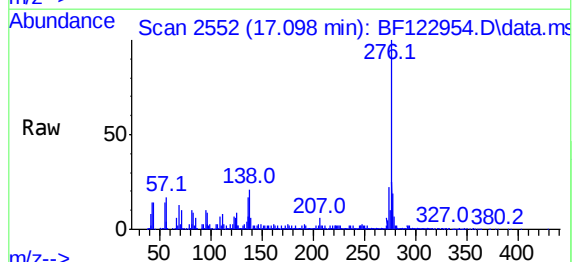
Instrument :
BNA_F
ClientSampled :
BALL-1

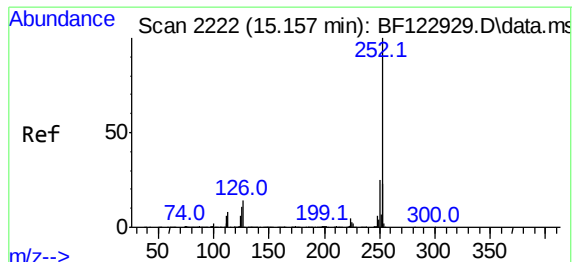
Tgt Ion:264 Resp: 502732
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.6 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.83 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:276 Resp: 156940
Ion Ratio Lower Upper
276 100
138 21.6 18.7 28.1
277 24.1 20.2 30.4

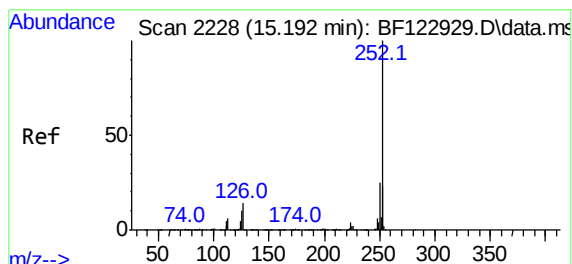
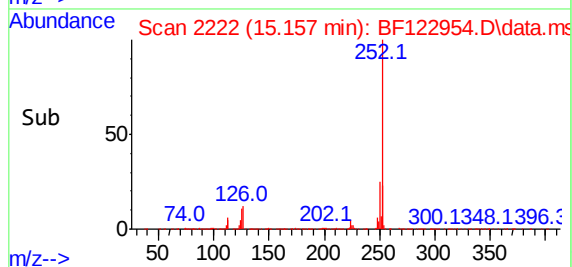
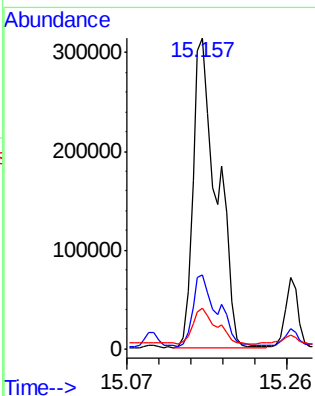
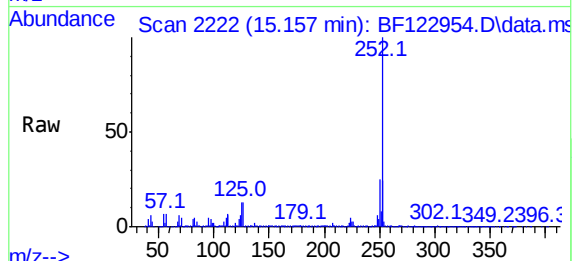




#88
Benzo(b)fluoranthene
Concen: 17.73 ng
RT: 15.157 min Scan# 2222
Delta R.T. -0.000 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

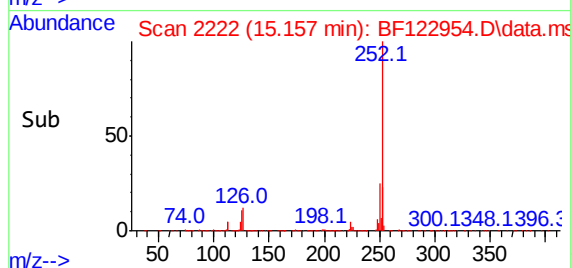
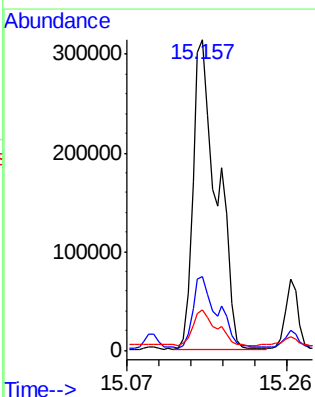
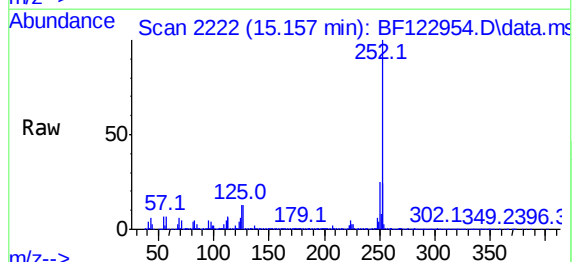
Instrument :
BNA_F
ClientSampleId :
BALL-1

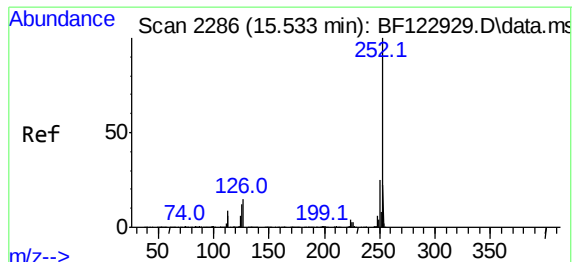
Tgt Ion:252 Resp: 626524
Ion Ratio Lower Upper
252 100
253 24.0 18.3 27.5
125 13.1 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 19.25 ng
RT: 15.157 min Scan# 2222
Delta R.T. -0.035 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:252 Resp: 626524
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 13.1 8.4 12.6#

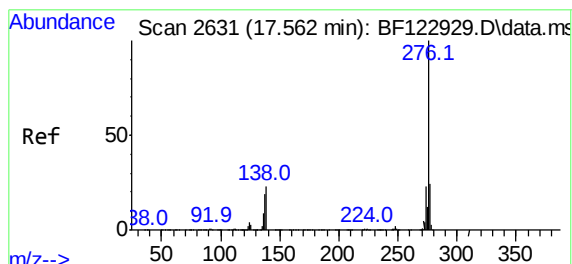
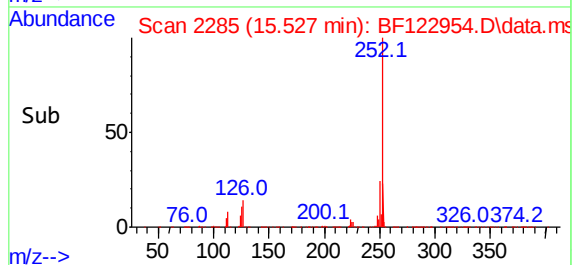
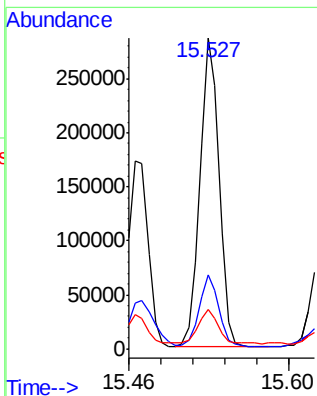
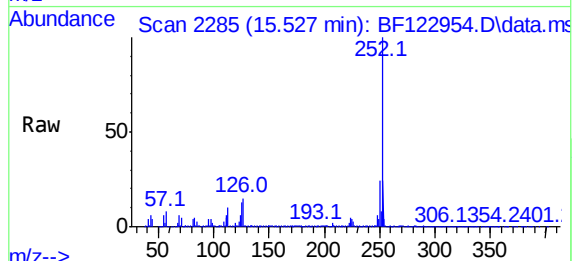




#90
Benzo(a)pyrene
Concen: 10.82 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Instrument :
BNA_F
ClientSampleId :
BALL-1

Tgt Ion:252 Resp: 336154
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 12.8 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 5.05 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.012 min
Lab File: BF122954.D
Acq: 8 Jan 2021 22:07

Tgt Ion:276 Resp: 128059
Ion Ratio Lower Upper
276 100
277 25.2 19.3 28.9
138 22.9 16.6 24.8

