

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122951.D
 Acq On : 8 Jan 2021 20:35
 Operator : JU/CG
 Sample : L5246-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5

Quant Time: Jan 08 23:33:38 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

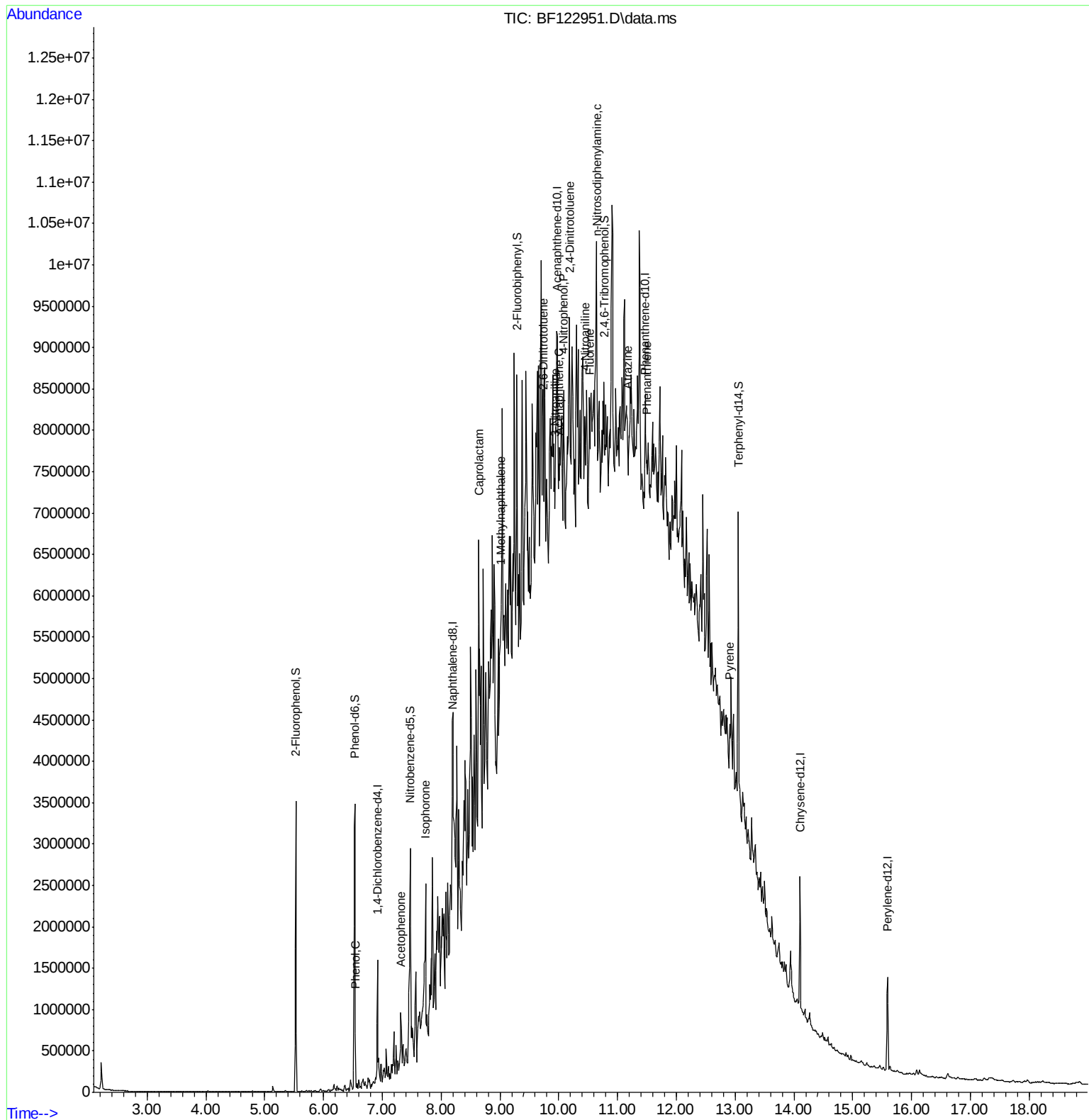
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	188161	20.00	ng	0.00
21) Naphthalene-d8	8.204	136	698596	20.00	ng	# 0.00
39) Acenaphthene-d10	9.975	164	302825	20.00	ng	# 0.01
64) Phenanthrene-d10	11.469	188	548926	20.00	ng	# 0.02
76) Chrysene-d12	14.104	240	494553	20.00	ng	0.00
86) Perylene-d12	15.592	264	506876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1043797	83.28	ng	0.00
7) Phenol-d6	6.534	99	1345799	79.12	ng	0.00
23) Nitrobenzene-d5	7.475	82	804597	56.95	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	328697	96.10	ng	0.01
45) 2-Fluorobiphenyl	9.286	172	1292240	60.49	ng	0.00
79) Terphenyl-d14	13.051	244	1239243	46.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.463	77	2917	Below Cal	#	63
10) Phenol	6.539	94	34183	2.03	ng	98
22) Acetophenone	7.316	105	80608	4.37	ng	# 58
25) Isophorone	7.734	82	96445	3.81	ng	# 1
35) Caprolactam	8.639	113	103311	27.45	ng	# 18
38) 1-Methylnaphthalene	9.022	142	84717	3.42	ng	# 91
51) 2,6-Dinitrotoluene	9.745	165	17237	3.58	ng	# 82
52) Acenaphthene	10.010	154	39402	2.05	ng	# 58
53) 3-Nitroaniline	9.933	138	21115	3.73	ng	# 38
56) 4-Nitrophenol	10.080	139	53744	12.53	ng	# 1
57) 2,4-Dinitrotoluene	10.180	165	32458	5.27	ng	# 64
58) Fluorene	10.527	166	88106	3.99	ng	# 49
62) 4-Nitroaniline	10.445	138	34542	6.22	ng	88
66) n-Nitrosodiphenylamine	10.645	169	322419	17.44	ng	# 47
69) Atrazine	11.169	200	32683	5.52	ng	# 71
71) Phenanthrene	11.492	178	119390	3.84	ng	# 63
78) Pyrene	12.910	202	264892	6.89	ng	# 95

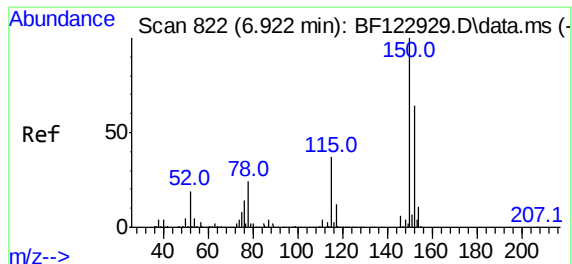
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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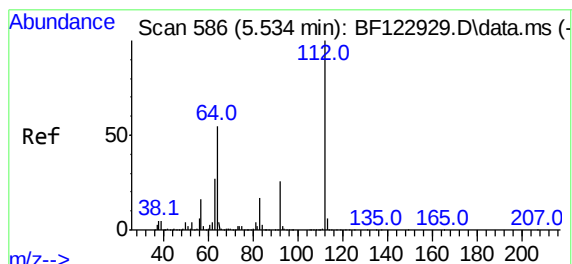
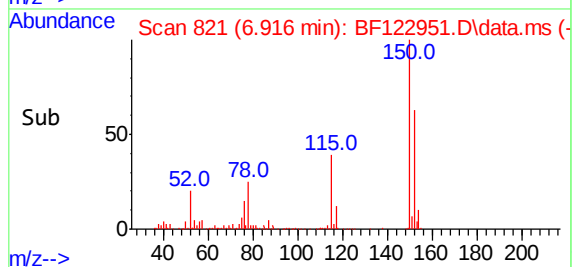
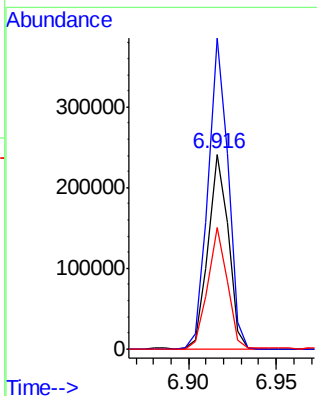
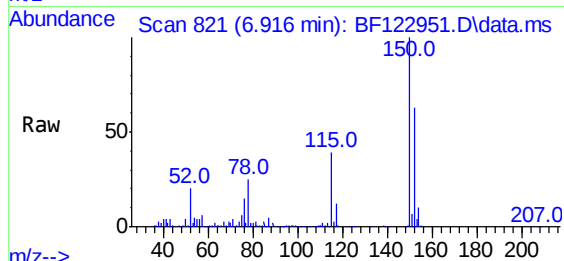




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

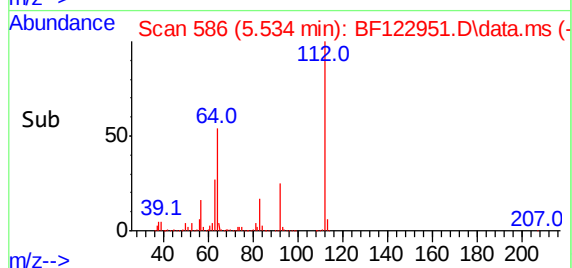
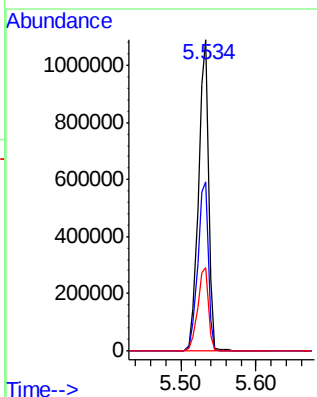
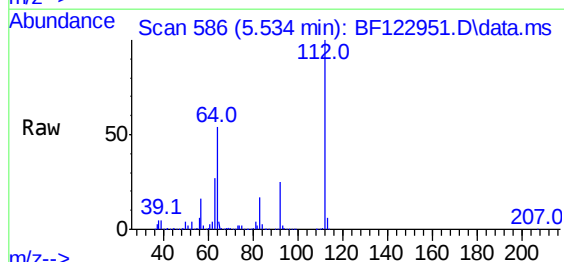
Instrument :
BNA_F
ClientSampleId :
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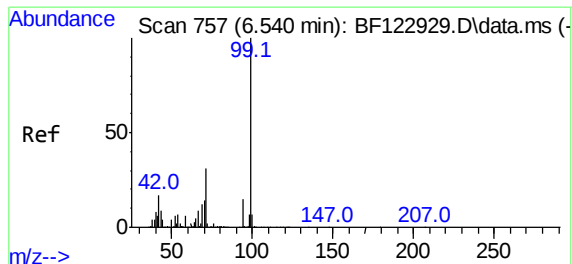
Tgt Ion:152 Resp: 188161
Ion Ratio Lower Upper
152 100
150 159.7 125.8 188.6
115 62.1 49.3 73.9



#5
2-Fluorophenol
Concen: 83.28 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:112 Resp: 1043797
Ion Ratio Lower Upper
112 100
64 54.1 46.9 70.3
63 26.8 24.5 36.7



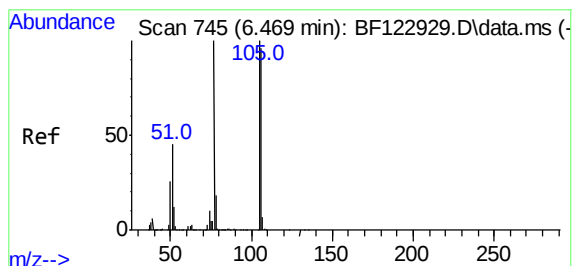
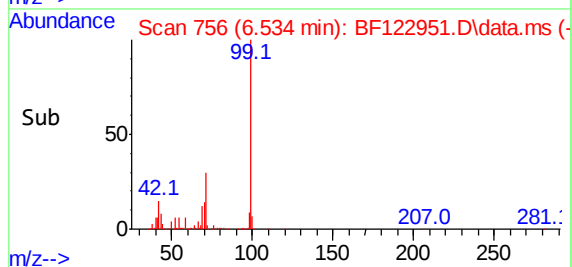
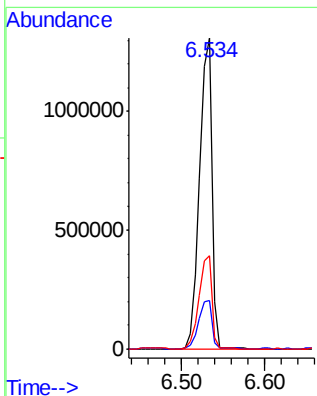
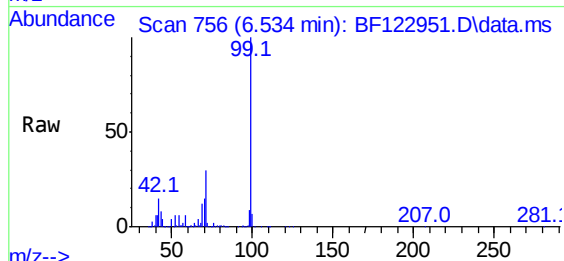


#7
Phenol-d6
Concen: 79.12 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Instrument :
BNA_F
ClientSampleId :
5

Tgt Ion: 99 Resp: 1345799

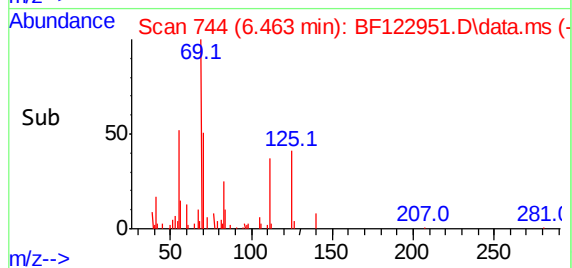
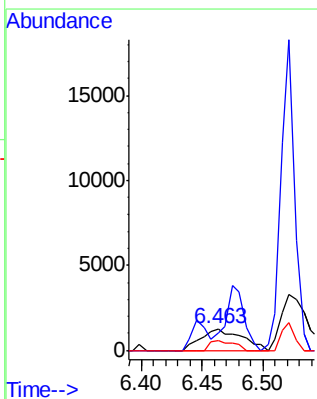
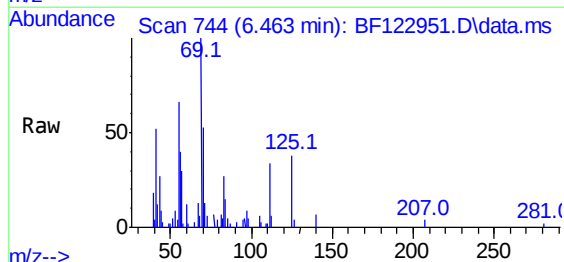
Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.8	20.6
71	29.8	26.9	40.3

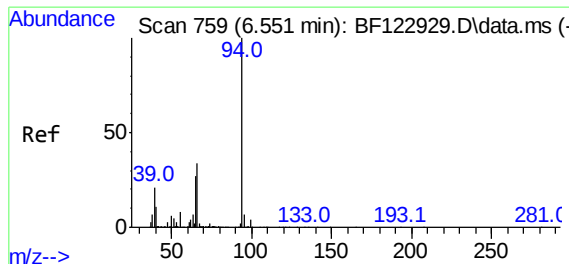


#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion: 77 Resp: 2917

Ion	Ratio	Lower	Upper
77	100		
105	80.3	80.6	120.6#
106	44.6	77.2	117.2#



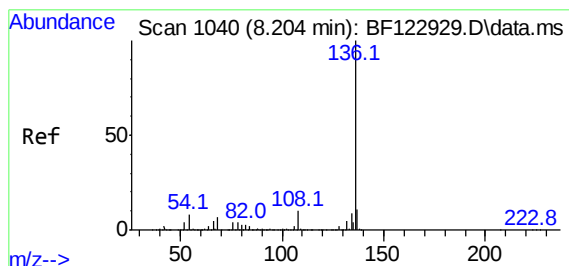
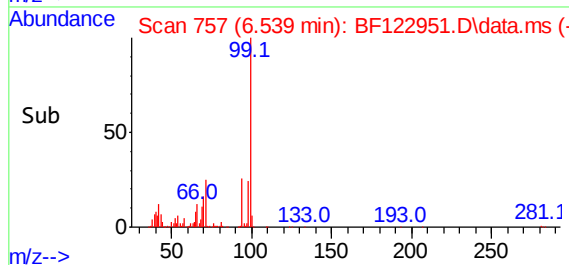
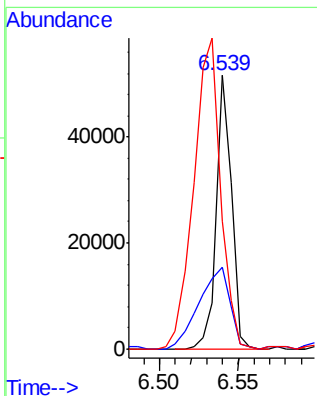
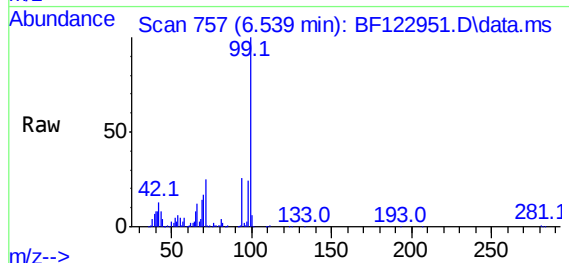


#10
Phenol
Concen: 2.03 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Instrument :
BNA_F
ClientSampleId :
5

Tgt Ion: 94 Resp: 34183

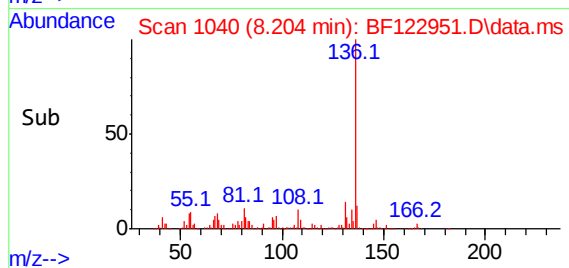
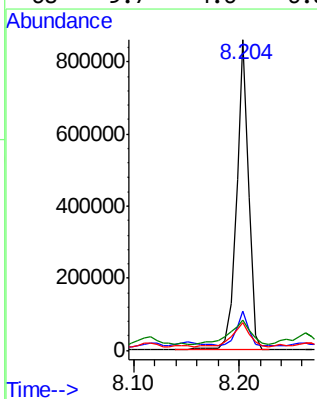
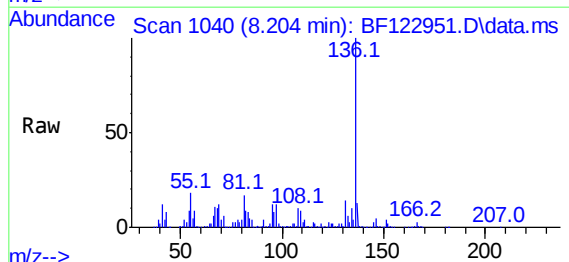
Ion	Ratio	Lower	Upper
94	100		
65	29.9	11.2	51.2
66	46.7	25.8	65.8

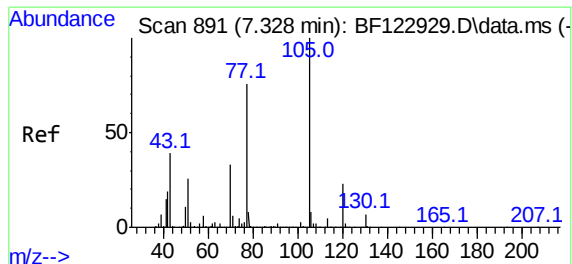


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:136 Resp: 698596

Ion	Ratio	Lower	Upper
136	100		
137	12.6	8.8	13.2
54	9.1	5.5	8.3#
68	9.7	4.6	6.8#

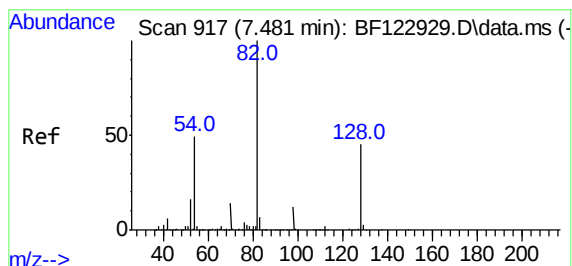
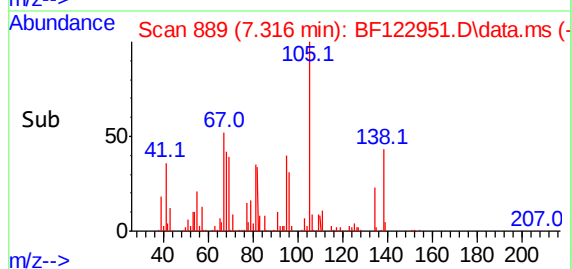
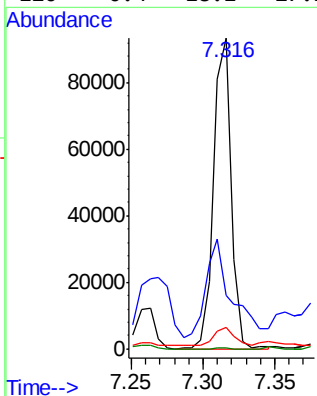
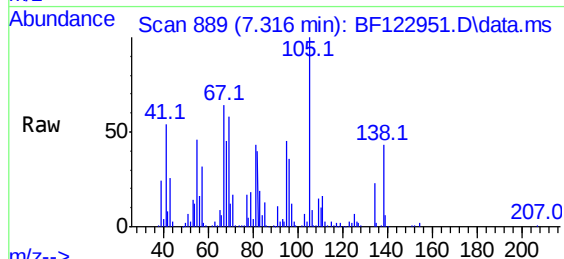




#22
Acetophenone
Concen: 4.37 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

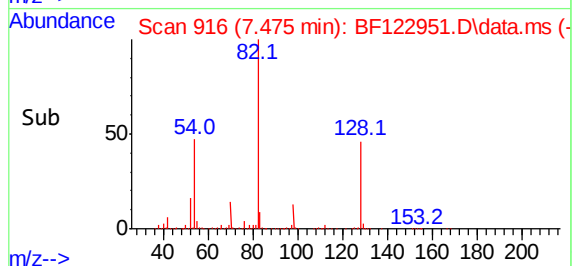
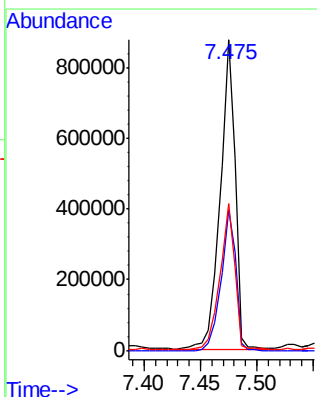
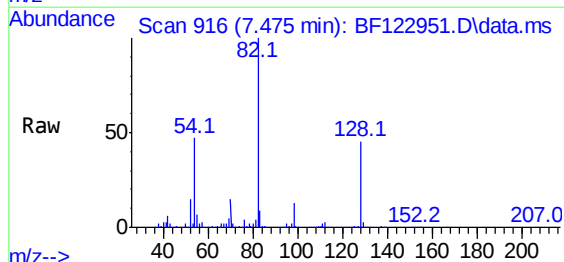
Instrument :
BNA_F
ClientSampleId :
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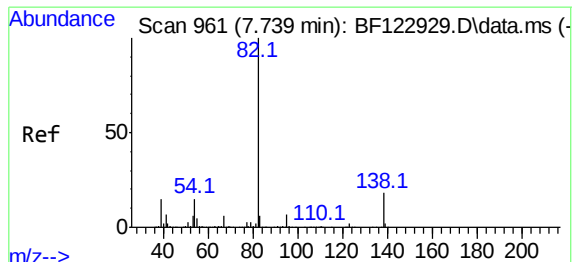
Tgt Ion:105 Resp: 80608
Ion Ratio Lower Upper
105 100
71 17.2 6.5 9.7#
51 7.0 24.3 36.5#
120 0.4 18.1 27.1#



#23
Nitrobenzene-d5
Concen: 56.95 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion: 82 Resp: 804597
Ion Ratio Lower Upper
82 100
128 45.2 37.0 55.4
54 47.1 38.4 57.6

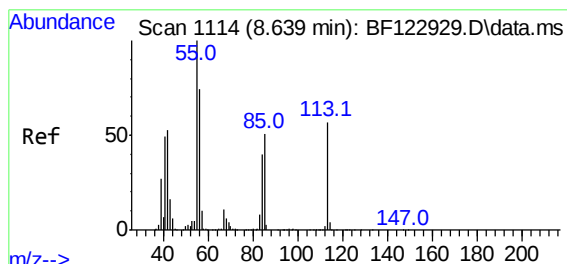
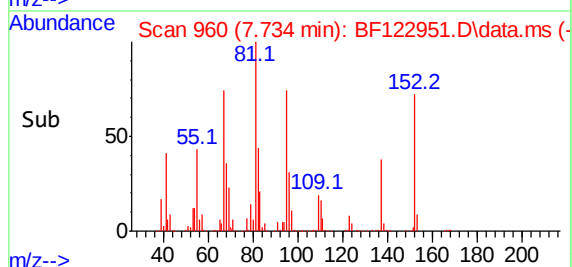
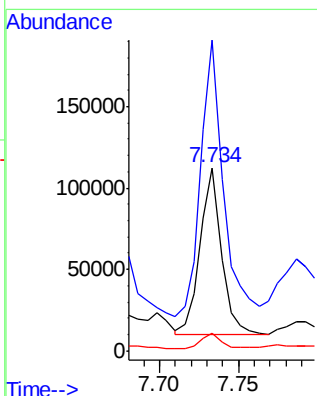
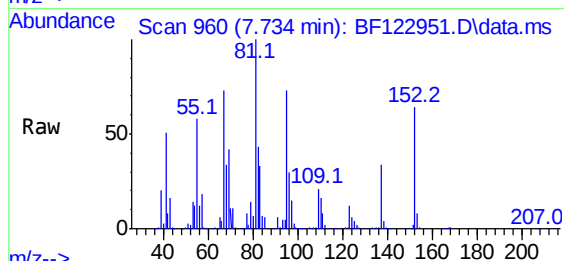




#25
Isophorone
Concen: 3.81 ng
RT: 7.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

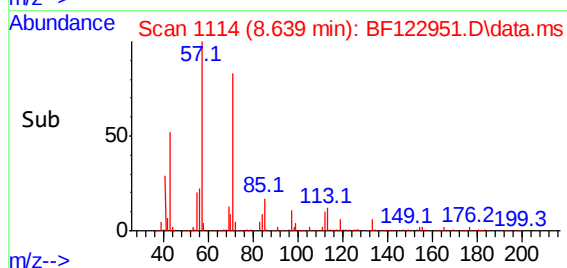
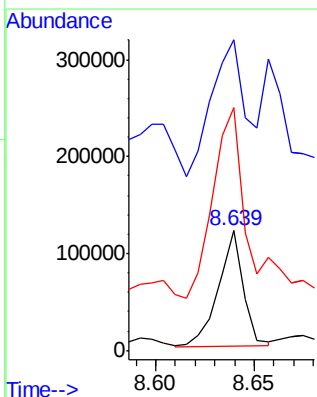
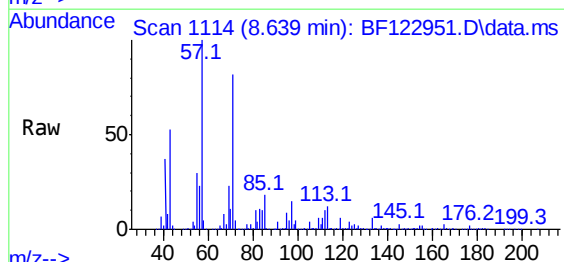
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ClientSampleId :
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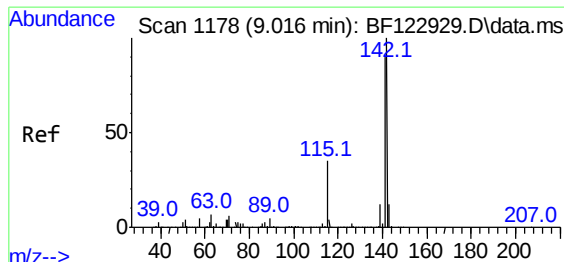
Tgt Ion: 82 Resp: 96445
Ion Ratio Lower Upper
82 100
95 169.9 5.8 8.6#
138 9.4 14.6 21.8#



#35
Caprolactam
Concen: 27.45 ng
RT: 8.639 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion: 113 Resp: 103311
Ion Ratio Lower Upper
113 100
55 260.2 133.7 173.7#
56 203.4 95.3 135.3#

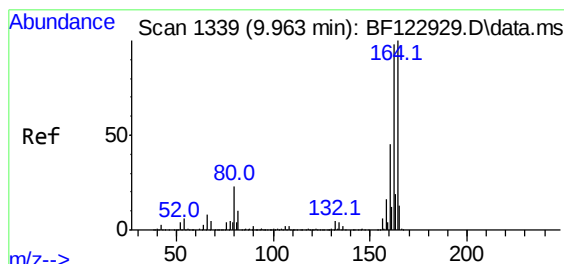
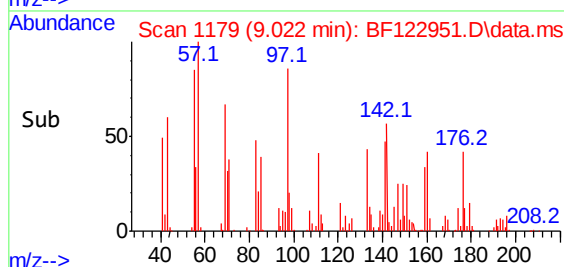
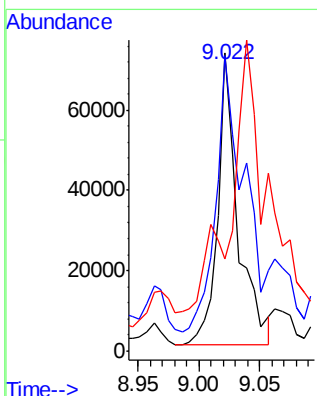
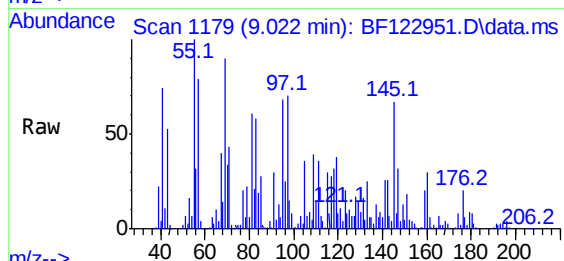




#38
1-Methylnaphthalene
Concen: 3.42 ng
RT: 9.022 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

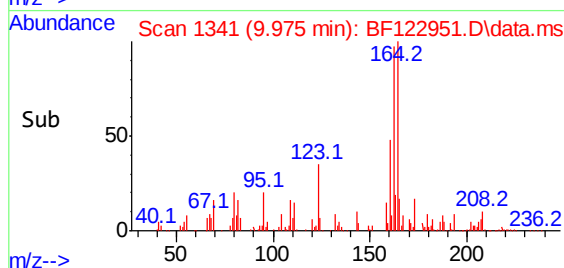
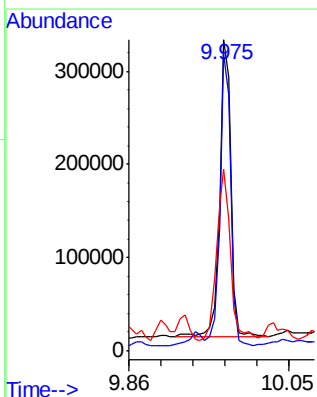
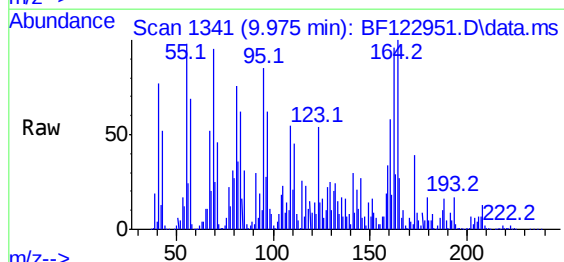
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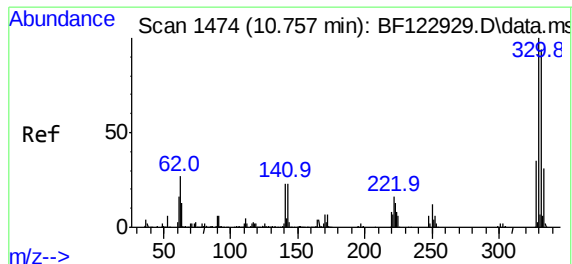
Tgt Ion:142 Resp: 84717
Ion Ratio Lower Upper
142 100
141 99.1 74.5 111.7
116 30.6 3.2 4.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:164 Resp: 302825
Ion Ratio Lower Upper
164 100
162 95.6 80.8 121.2
160 58.2 35.4 53.0#

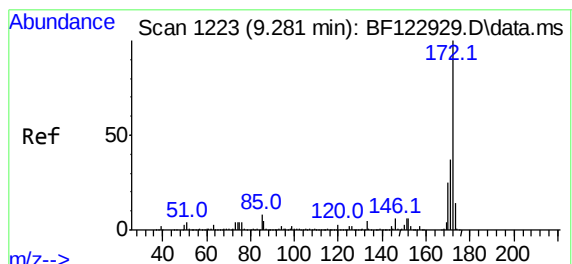
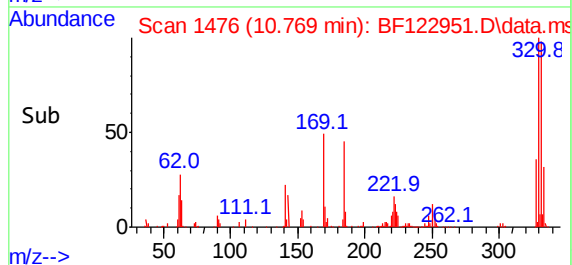
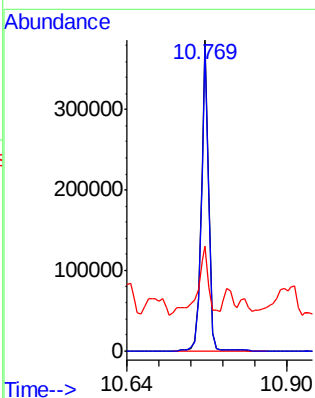
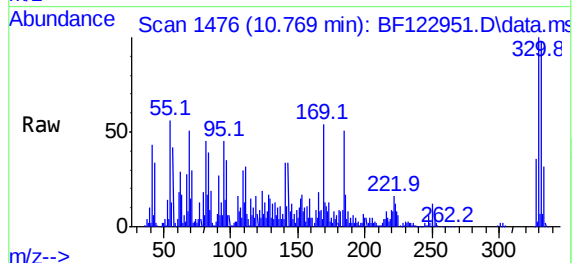




#42
2,4,6-Tribromophenol
Concen: 96.10 ng
RT: 10.769 min Scan# 1476
Delta R.T. 0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

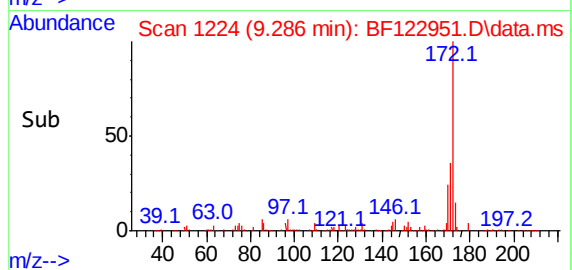
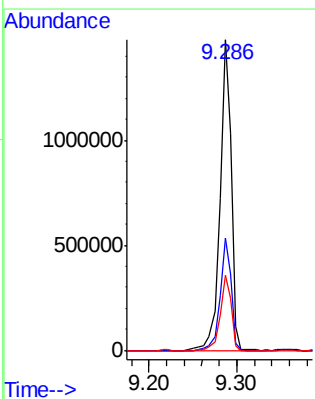
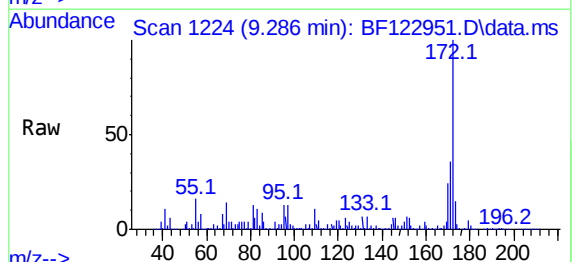
Instrument :
BNA_F
ClientSampleId :
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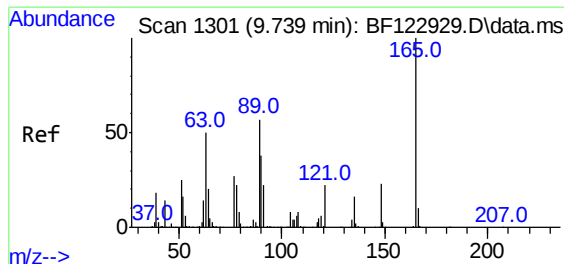
Tgt Ion:330 Resp: 328697
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 34.6 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 60.49 ng
RT: 9.286 min Scan# 1224
Delta R.T. 0.005 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:172 Resp: 1292240
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.2 19.5 29.3

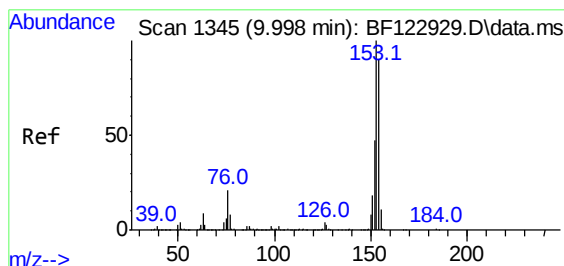
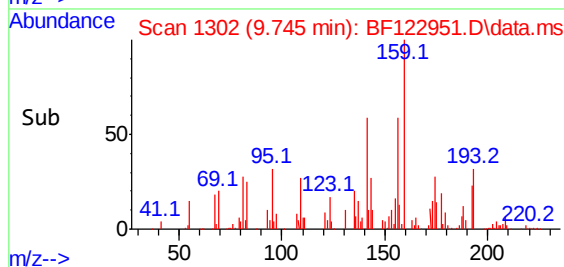
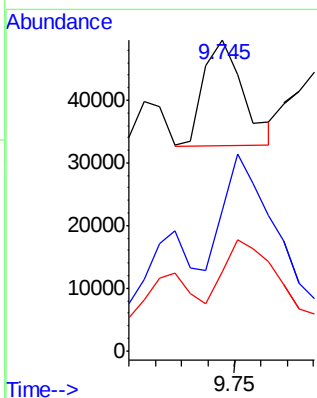
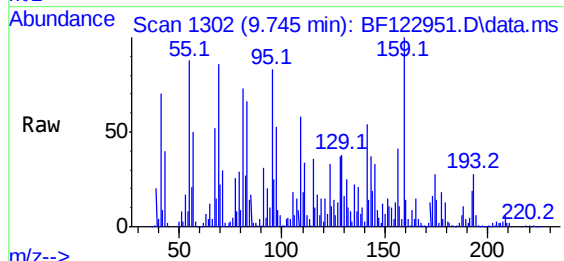




#51
2,6-Dinitrotoluene
Concen: 3.58 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

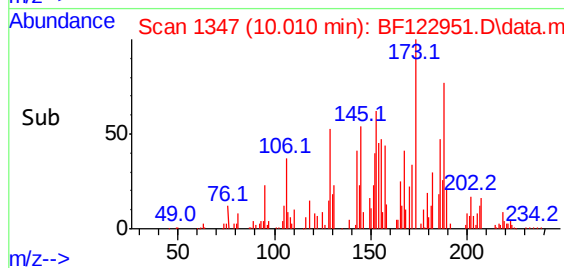
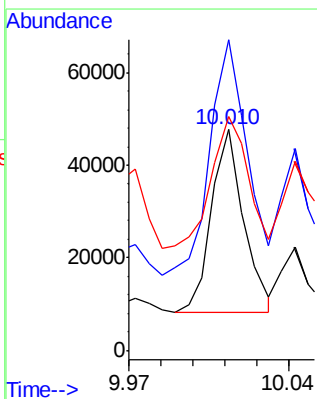
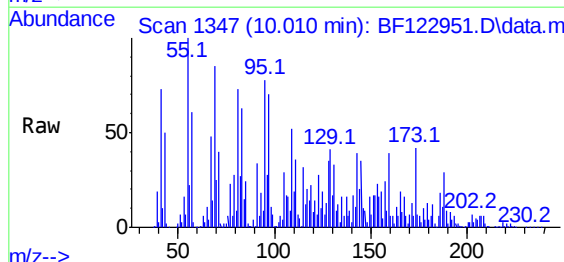
Instrument :
BNA_F
ClientSampled :
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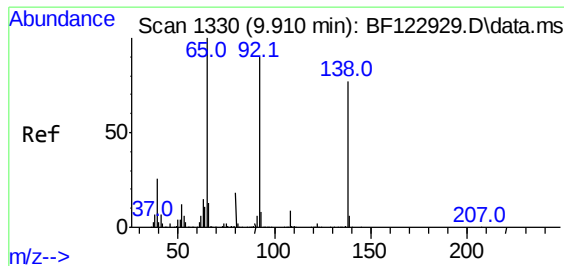
Tgt Ion:165 Resp: 17237
Ion Ratio Lower Upper
165 100
63 45.4 36.6 55.0
89 25.3 39.4 59.0#



#52
Acenaphthene
Concen: 2.05 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:154 Resp: 39402
Ion Ratio Lower Upper
154 100
153 140.6 89.0 133.6#
152 105.7 42.7 64.1#

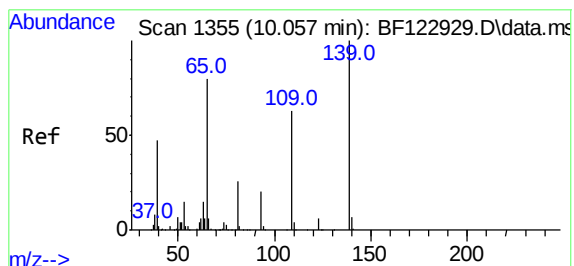
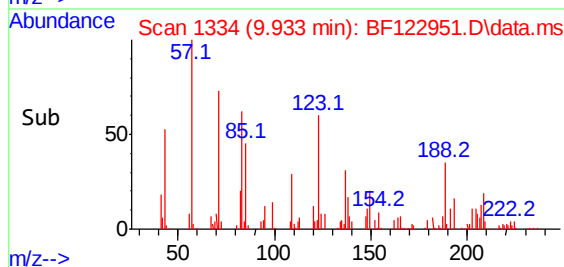
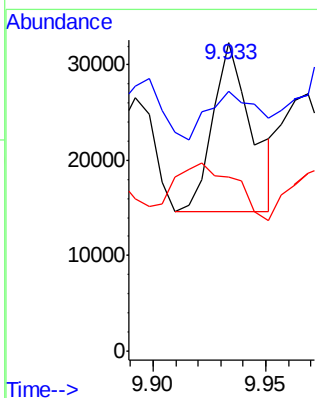
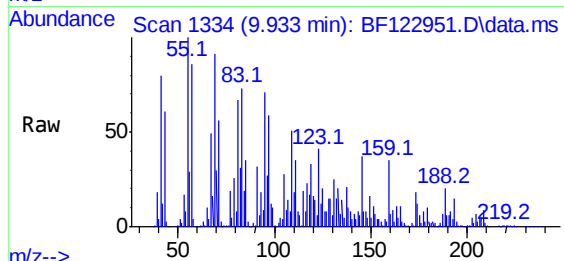




#53
3-Nitroaniline
Concen: 3.73 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.023 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

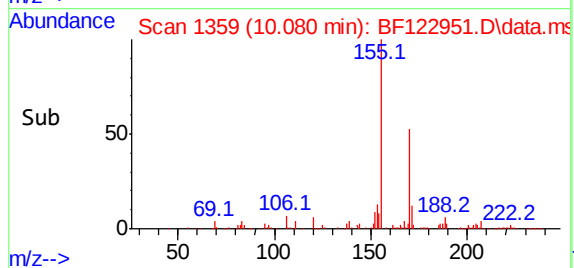
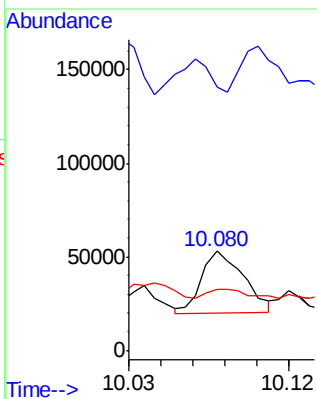
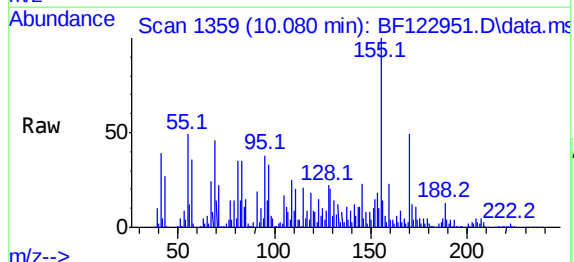
Instrument :
BNA_F
ClientSampleId :
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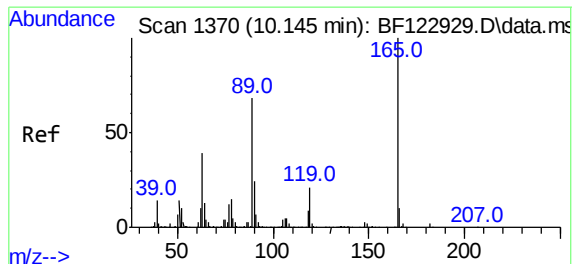
Tgt Ion:138 Resp: 21115
Ion Ratio Lower Upper
138 100
108 84.2 8.2 12.2#
92 56.4 85.4 128.2#



#56
4-Nitrophenol
Concen: 12.53 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.023 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:139 Resp: 53744
Ion Ratio Lower Upper
139 100
109 265.8 45.1 85.1#
65 61.9 59.2 99.2

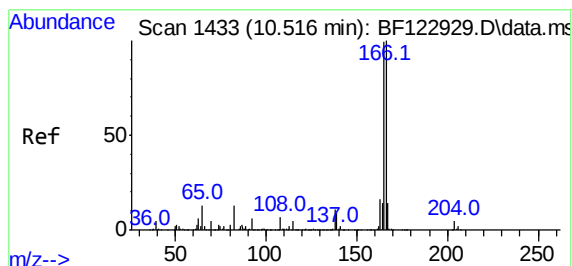
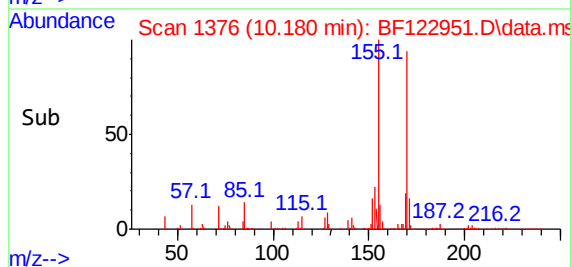
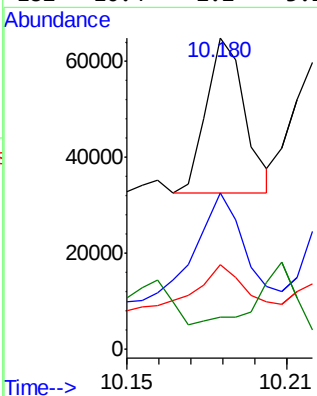
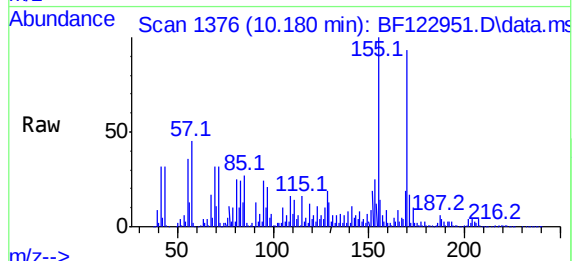




#57
2,4-Dinitrotoluene
Concen: 5.27 ng
RT: 10.180 min Scan# 1376
Delta R.T. 0.035 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

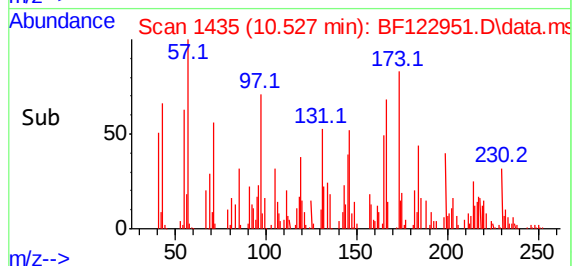
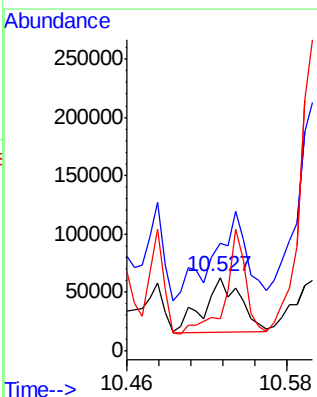
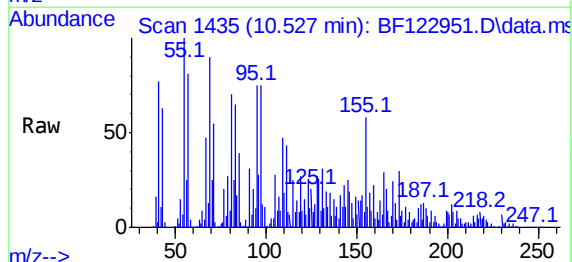
Instrument :
BNA_F
ClientSampleId :
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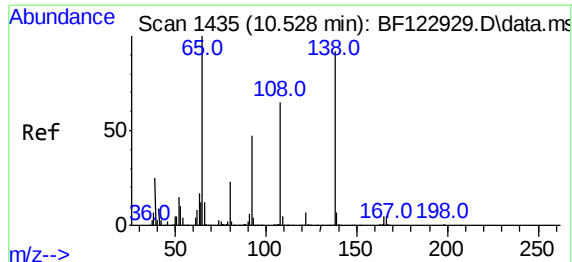
Tgt Ion:165 Resp: 32458
Ion Ratio Lower Upper
165 100
63 50.1 34.3 51.5
89 26.9 55.2 82.8#
182 10.4 2.2 3.2#



#58
Fluorene
Concen: 3.99 ng
RT: 10.527 min Scan# 1435
Delta R.T. 0.011 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:166 Resp: 88106
Ion Ratio Lower Upper
166 100
165 147.1 79.4 119.0#
167 42.8 10.9 16.3#

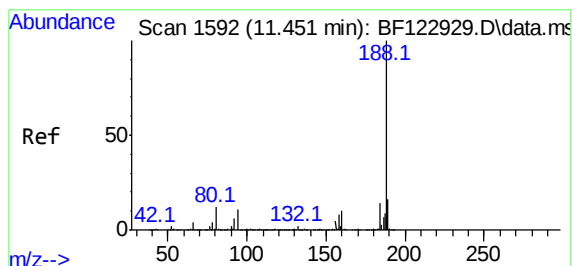
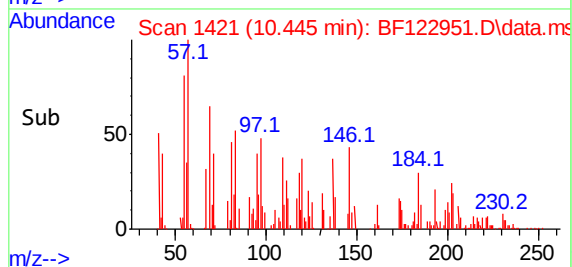
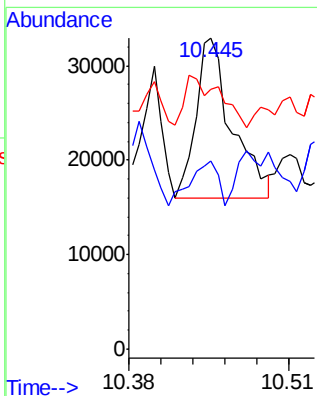
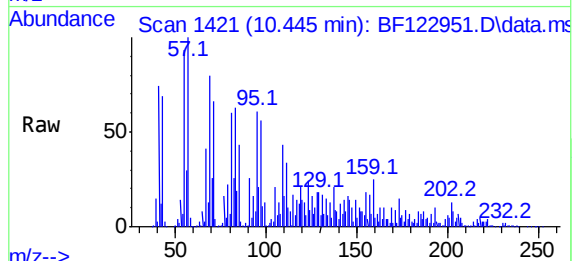




#62
4-Nitroaniline
Concen: 6.22 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.082 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

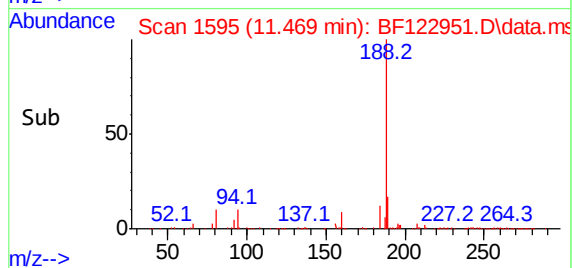
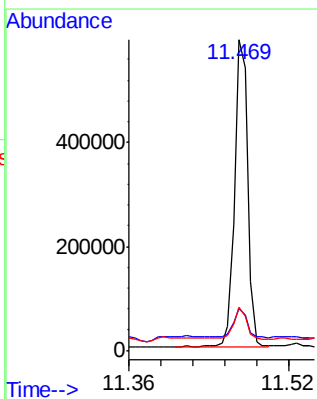
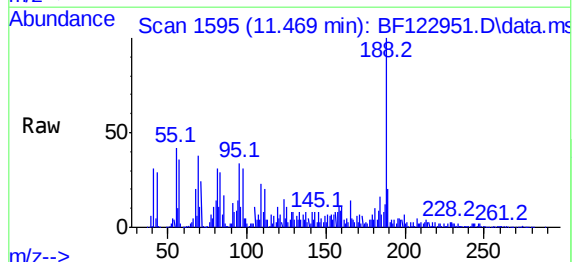
Instrument :
BNA_F
ClientSampleId :
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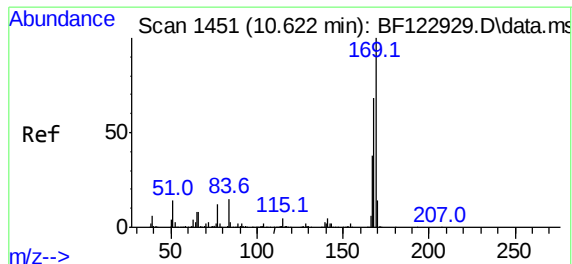
Tgt Ion:138 Resp: 34542
Ion Ratio Lower Upper
138 100
92 60.6 31.0 71.0
108 83.6 54.8 94.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.018 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:188 Resp: 548926
Ion Ratio Lower Upper
188 100
94 13.7 7.4 11.2#
80 13.9 8.2 12.4#



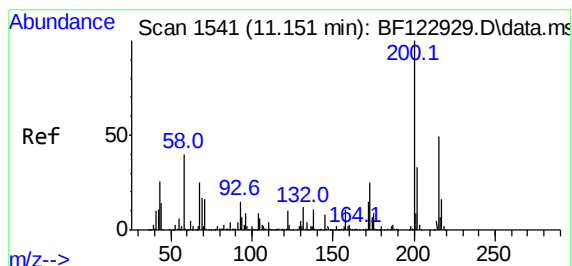
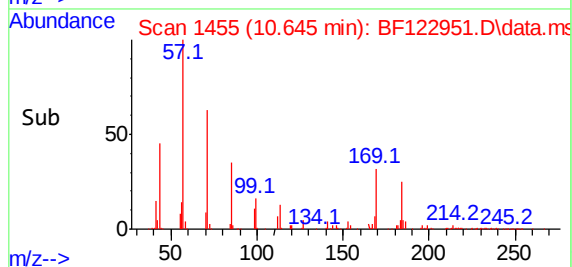
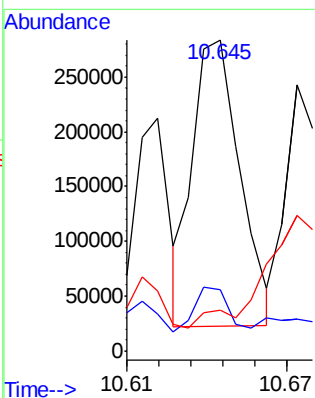
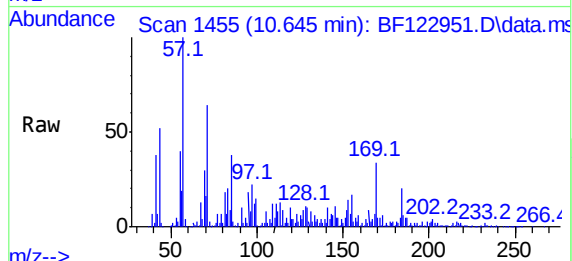


#66
n-Nitrosodiphenylamine
Concen: 17.44 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.023 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Instrument :
BNA_F
ClientSampled :
5

Tgt Ion:169 Resp: 322419

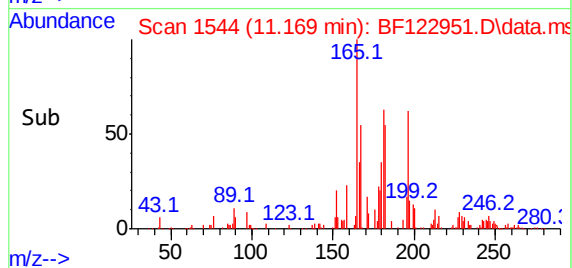
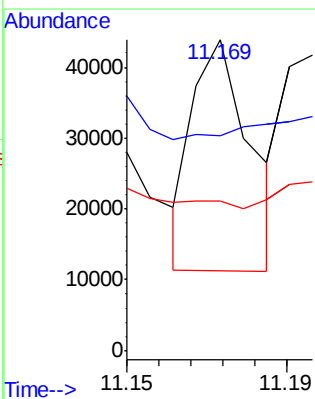
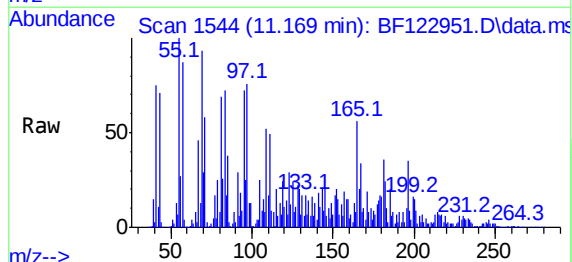
Ion	Ratio	Lower	Upper
169	100		
168	19.6	54.2	81.2#
167	13.1	29.2	43.8#

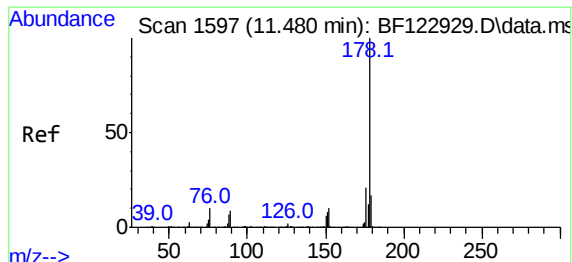


#69
Atrazine
Concen: 5.52 ng
RT: 11.169 min Scan# 1544
Delta R.T. 0.018 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Tgt Ion:200 Resp: 32683

Ion	Ratio	Lower	Upper
200	100		
173	69.0	6.6	46.6#
215	48.0	28.1	68.1

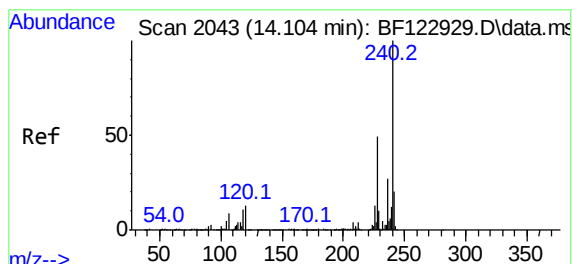
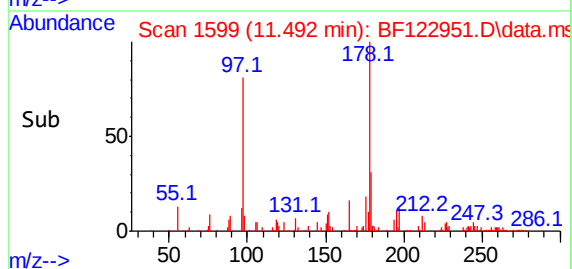
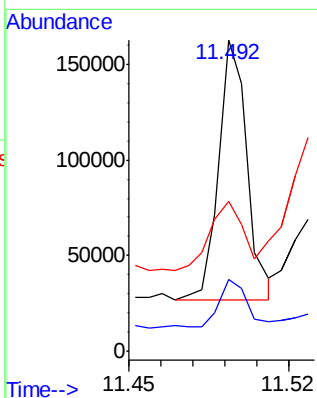
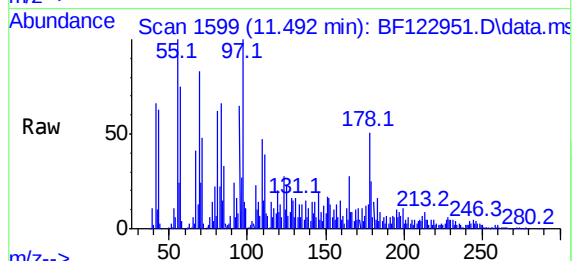




#71
Phenanthrene
Concen: 3.84 ng
RT: 11.492 min Scan# 1599
Delta R.T. 0.012 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

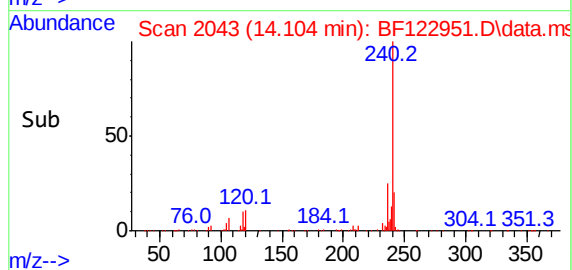
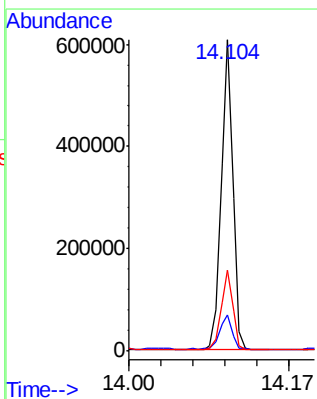
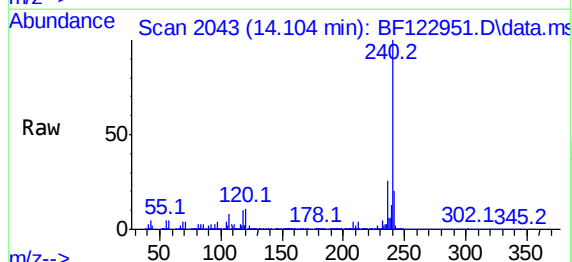
Instrument :
BNA_F
ClientSampled :
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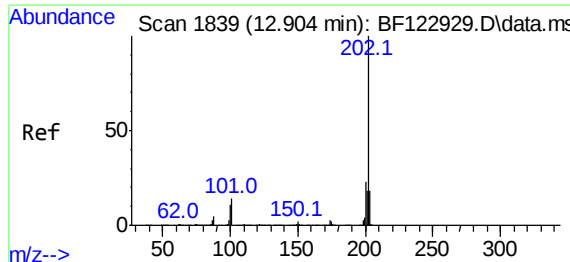
Tgt Ion:178 Resp: 119390
Ion Ratio Lower Upper
178 100
176 22.8 16.2 24.2
179 48.1 12.7 19.1#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

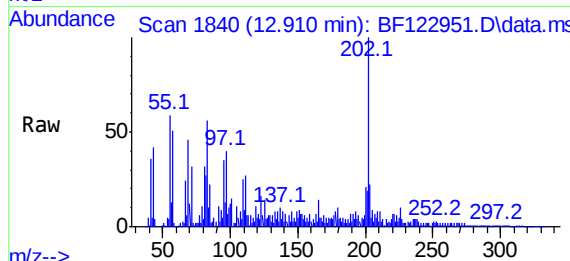
Tgt Ion:240 Resp: 494553
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.7 20.3 30.5



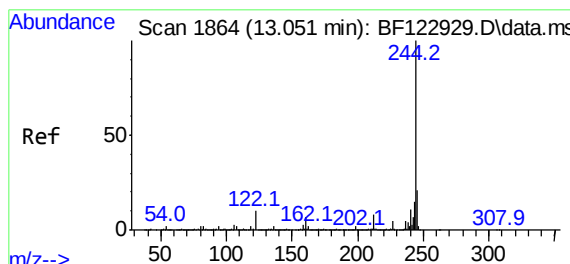
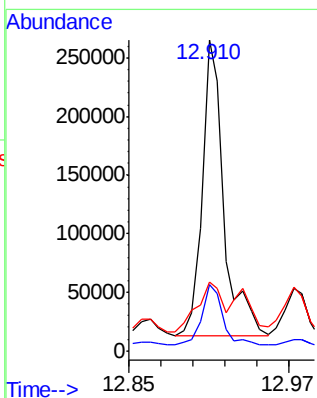
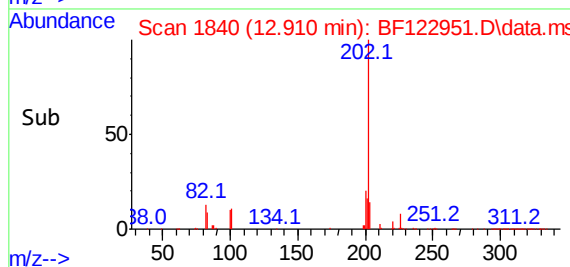


#78
Pyrene
Concen: 6.89 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Instrument :
BNA_F
ClientSampleId :
5

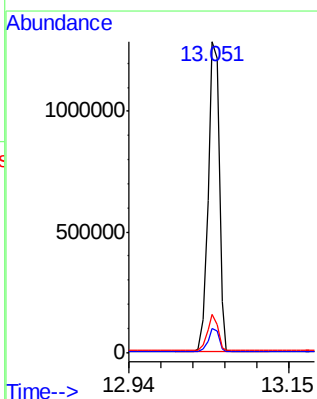
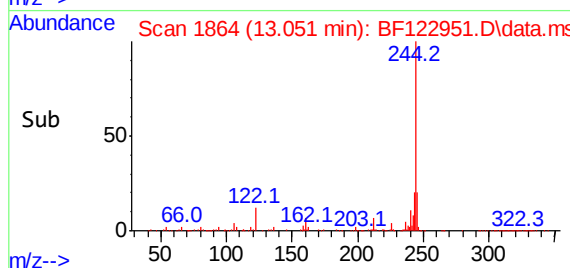
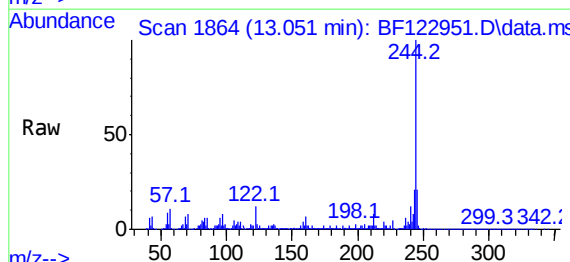


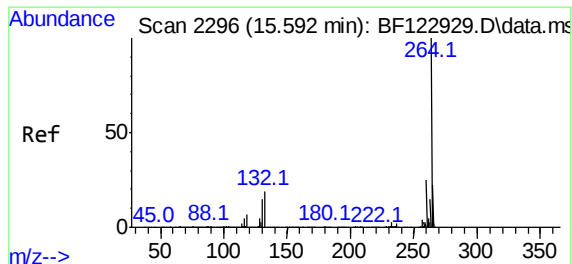
Tgt Ion:202 Resp: 264892
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 22.2 14.6 21.8#



#79
Terphenyl-d14
Concen: 46.43 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

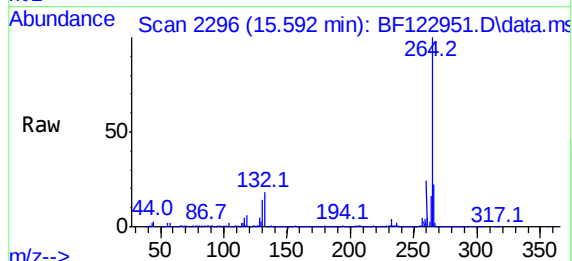
Tgt Ion:244 Resp: 1239243
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 12.3 8.3 12.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BF122951.D
Acq: 8 Jan 2021 20:35

Instrument :
BNA_F
ClientSampleId :
5



Tgt Ion:264 Resp: 506876

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.9	17.0	25.6

