

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121020\
 Data File : BF122654.D
 Acq On : 10 Dec 2020 19:18
 Operator : JU/CG
 Sample : L4990-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Quant Time: Dec 11 00:36:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

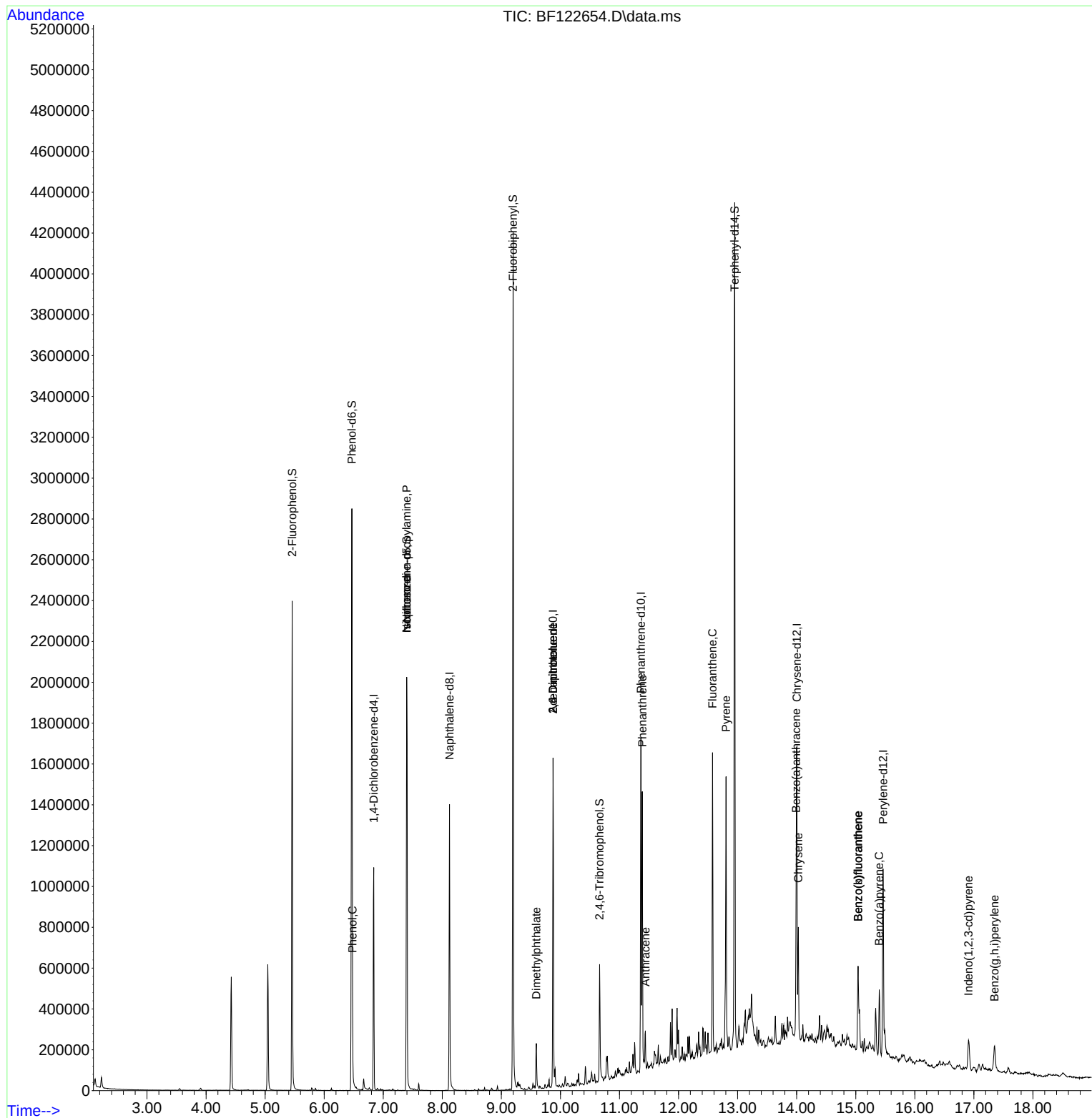
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	162400	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	632381	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	334227	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	594032	20.00	ng	0.00
76) Chrysene-d12	14.004	240	451029	20.00	ng	0.00
86) Perylene-d12	15.462	264	436643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	677884	66.08	ng	0.00
7) Phenol-d6	6.469	99	1092665	80.32	ng	-0.01
23) Nitrobenzene-d5	7.398	82	715803	56.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	79140	18.09	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1386255	56.10	ng	0.00
79) Terphenyl-d14	12.951	244	1410134	54.73	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.481	94	78327	5.56	ng	86
19) n-Nitroso-di-n-propyla...	7.398	70	93431	11.99	ng	# 77
25) Isophorone	7.398	82	711984	32.75	ng	# 65
50) Dimethylphthalate	9.592	163	107262	4.02	ng	99
51) 2,6-Dinitrotoluene	9.875	165	44363	7.87	ng	# 32
57) 2,4-Dinitrotoluene	9.875	165	44363	5.91	ng	# 26
71) Phenanthrene	11.386	178	481088	13.63	ng	98
72) Anthracene	11.439	178	83763	2.39	ng	98
75) Fluoranthene	12.574	202	552236	14.92	ng	99
78) Pyrene	12.804	202	506362	14.52	ng	99
81) Benzo(a)anthracene	13.992	228	220147	7.30	ng	99
83) Chrysene	14.027	228	205010	6.83	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	101991	3.56	ng	96
88) Benzo(b)fluoranthene	15.039	252	291953	9.53	ng	98
89) Benzo(k)fluoranthene	15.039	252	291953	10.42	ng	99
90) Benzo(a)pyrene	15.398	252	163827	6.11	ng	98
92) Benzo(g,h,i)perylene	17.351	276	97718	4.30	ng	99

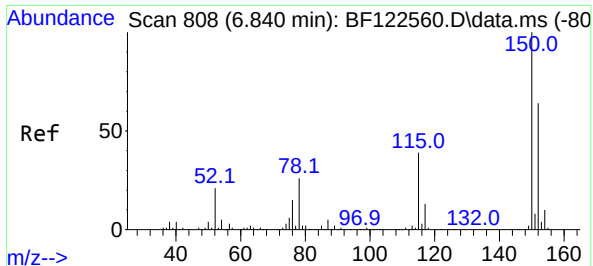
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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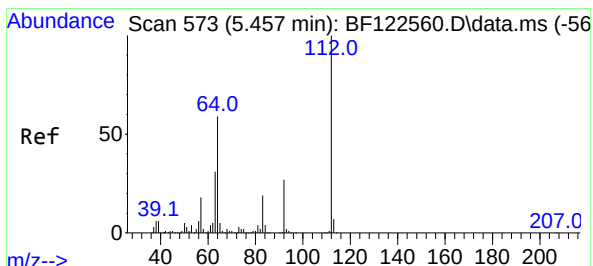
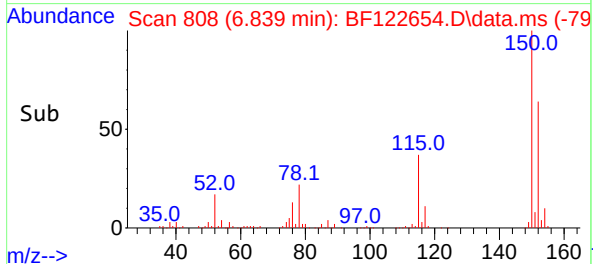
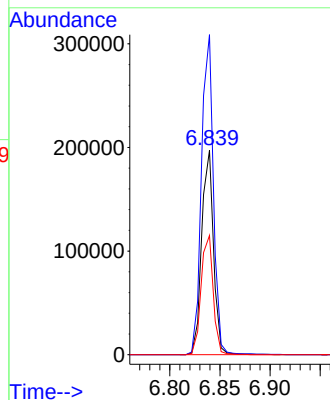
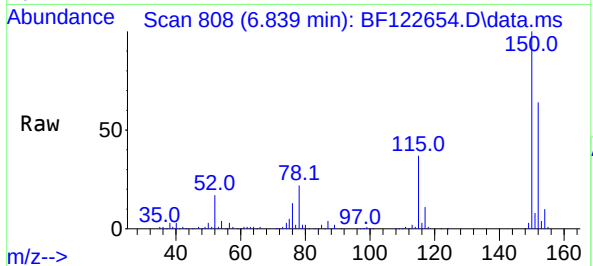




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

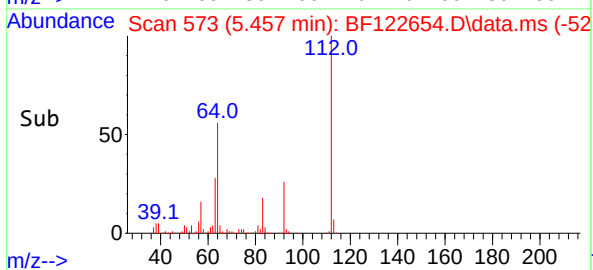
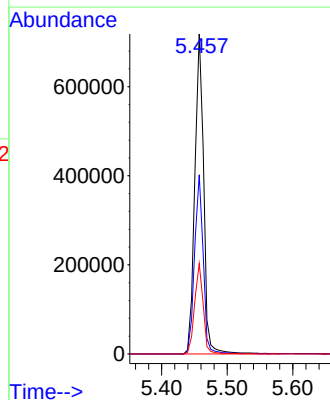
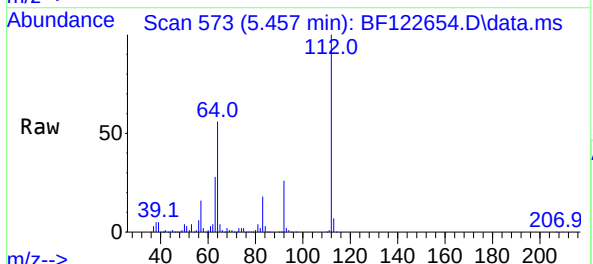
Instrument :
BNA_F
ClientSampleId :
MANHOLE

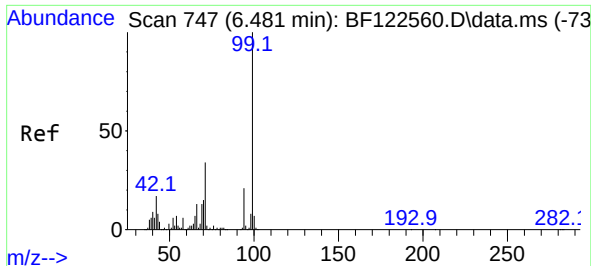
Tgt Ion:152 Resp: 162400
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 58.3 49.3 73.9



#5
2-Fluorophenol
Concen: 66.08 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:112 Resp: 677884
Ion Ratio Lower Upper
112 100
64 56.0 46.9 70.3
63 28.2 24.5 36.7



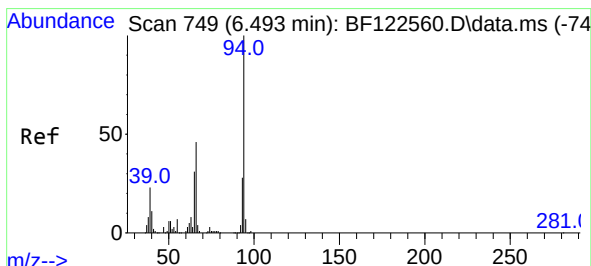
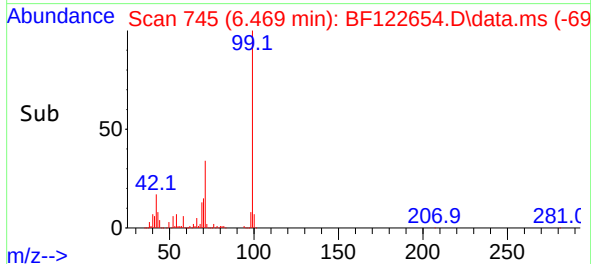
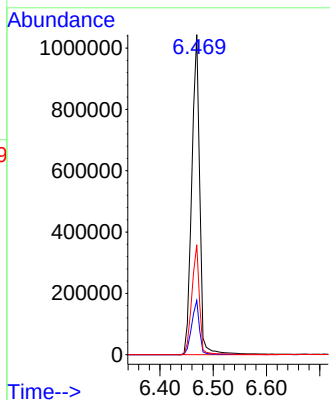
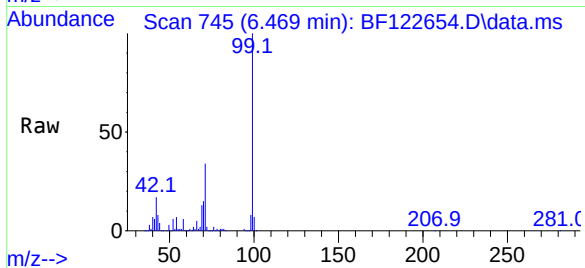


#7
Phenol-d6
Concen: 80.32 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 99 Resp: 1092665

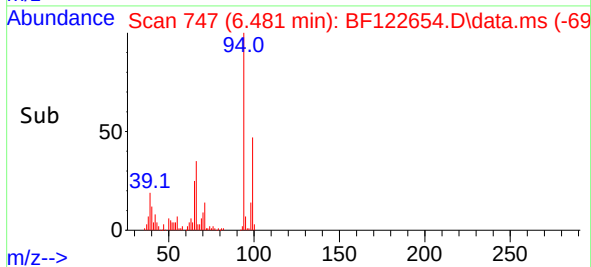
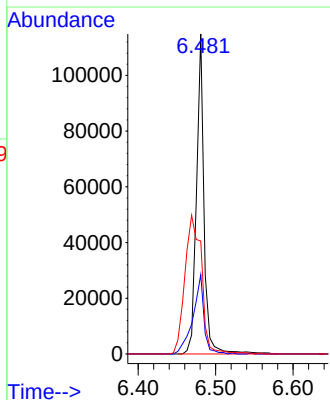
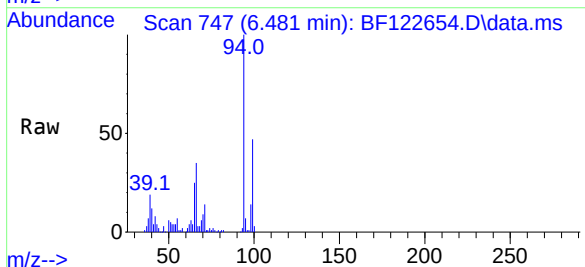
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.6
71	34.4	26.9	40.3

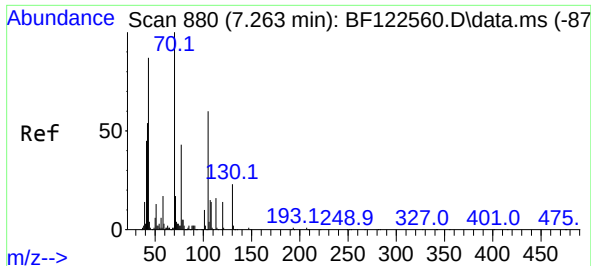


#10
Phenol
Concen: 5.56 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion: 94 Resp: 78327

Ion	Ratio	Lower	Upper
94	100		
65	24.7	11.2	51.2
66	35.3	25.8	65.8



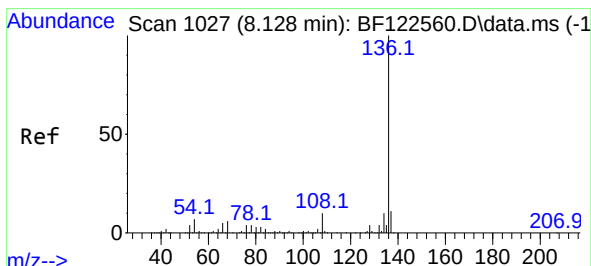
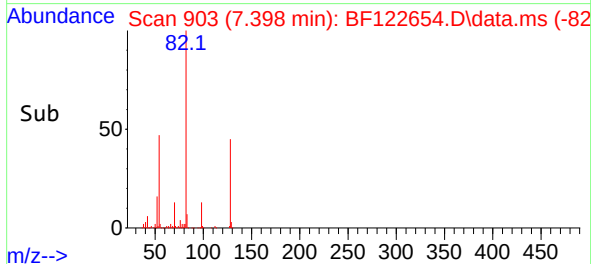
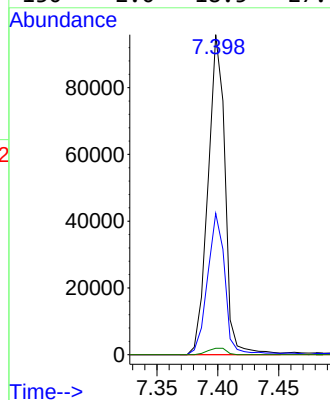
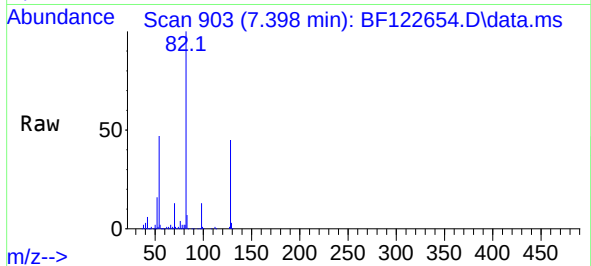


#19
n-Nitroso-di-n-propylamine
Concen: 11.99 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 70 Resp: 93431

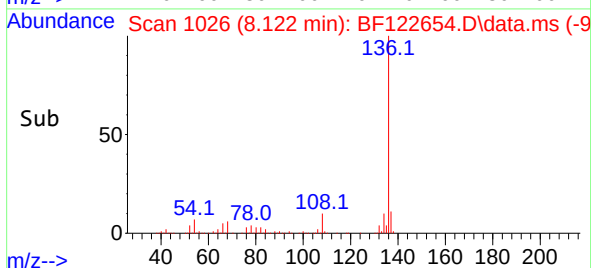
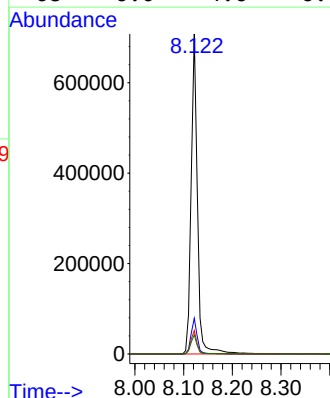
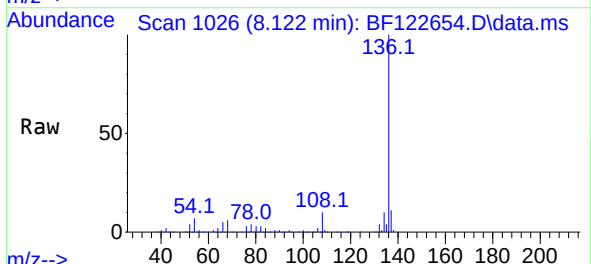
Ion	Ratio	Lower	Upper
70	100		
42	44.1	43.0	64.4
101	0.0	7.9	11.9#
130	2.0	18.5	27.7#

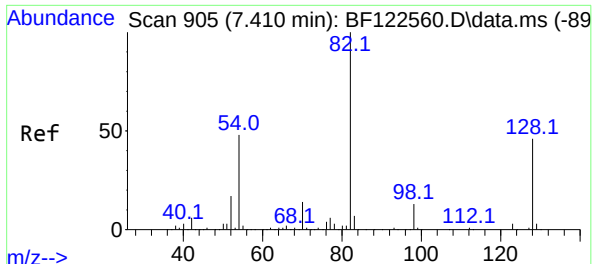


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion: 136 Resp: 632381

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.3	5.5	8.3
68	6.0	4.6	6.8





#23

Nitrobenzene-d5

Concen: 56.71 ng

RT: 7.398 min Scan# 903

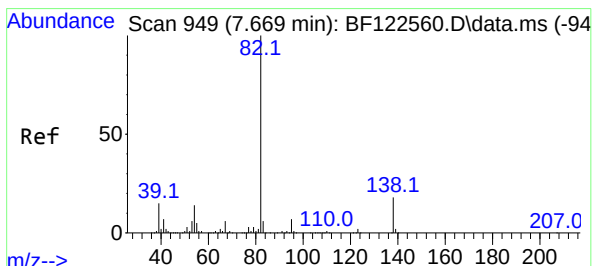
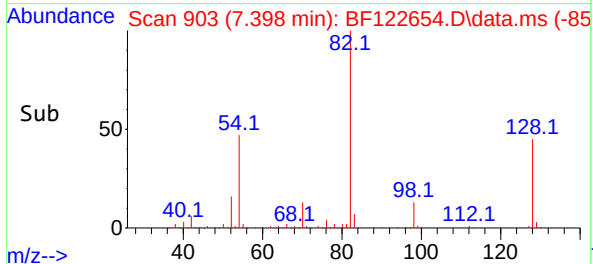
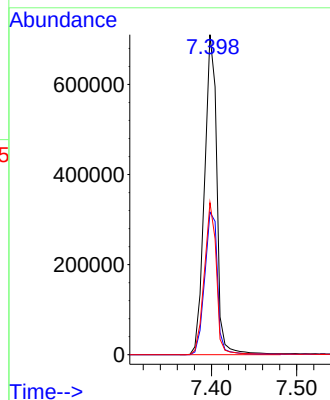
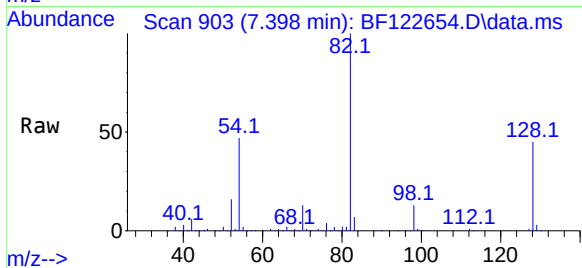
Delta R.T. -0.012 min

Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

Tgt Ion: 82 Resp: 715803

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.0	55.4
54	47.5	38.4	57.6



#25

Isophorone

Concen: 32.75 ng

RT: 7.398 min Scan# 903

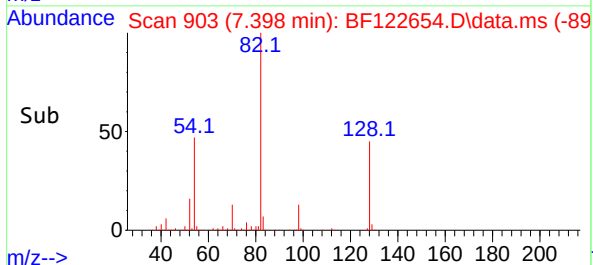
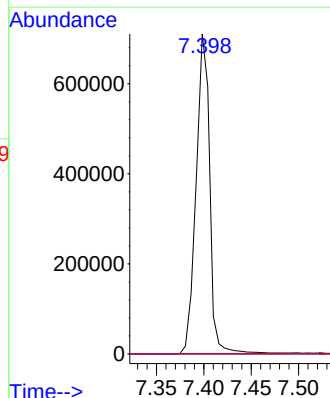
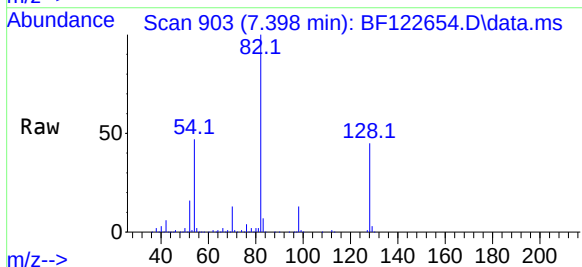
Delta R.T. -0.271 min

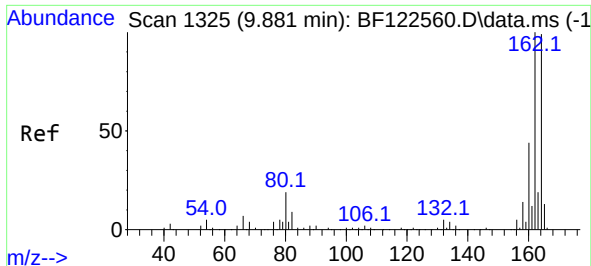
Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

Tgt Ion: 82 Resp: 711984

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

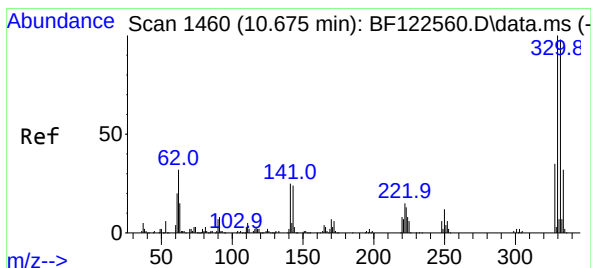
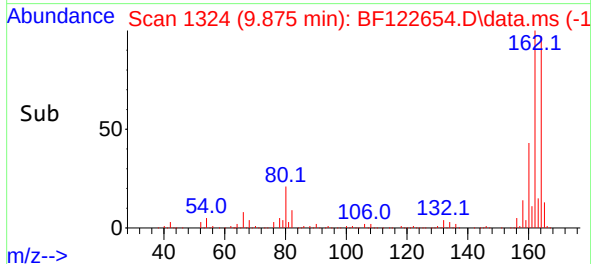
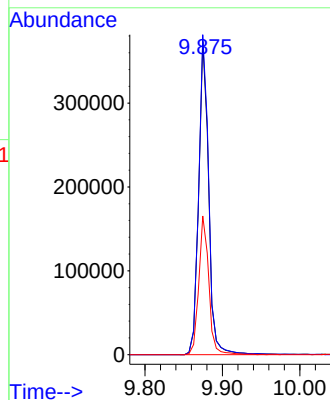
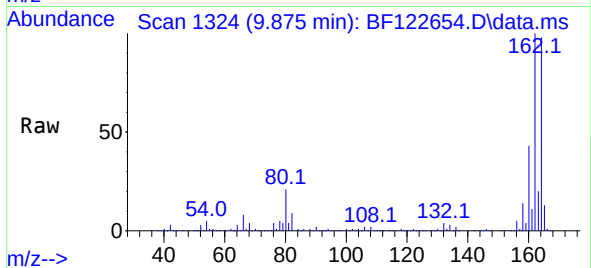
Tgt Ion:164 Resp: 334227

Ion Ratio Lower Upper

164 100

162 102.2 80.8 121.2

160 44.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 18.09 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

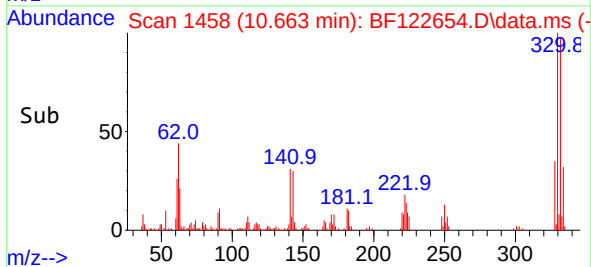
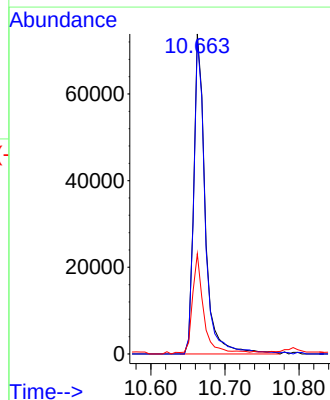
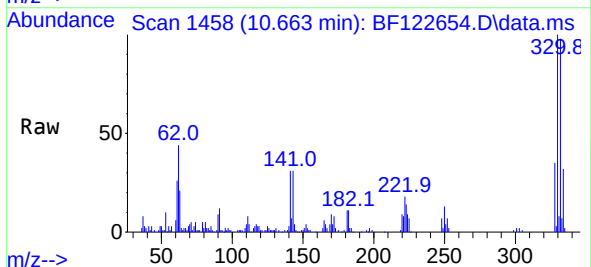
Tgt Ion:330 Resp: 79140

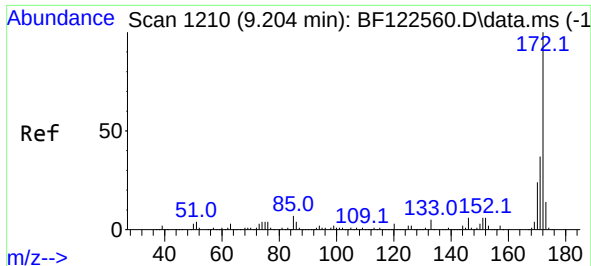
Ion Ratio Lower Upper

330 100

332 98.2 77.5 116.3

141 31.3 23.8 35.8

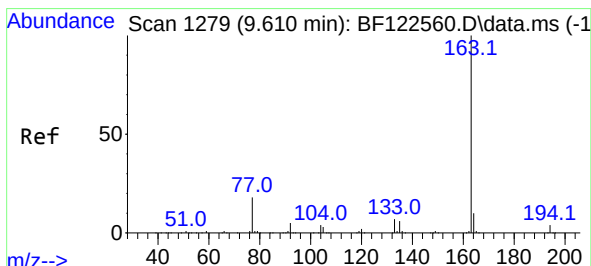
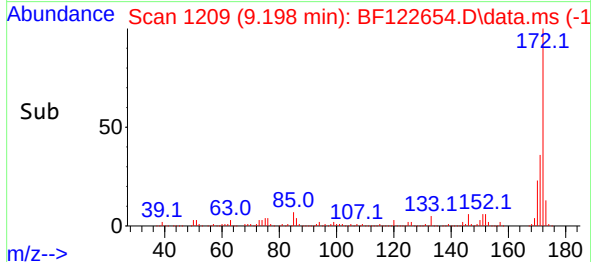
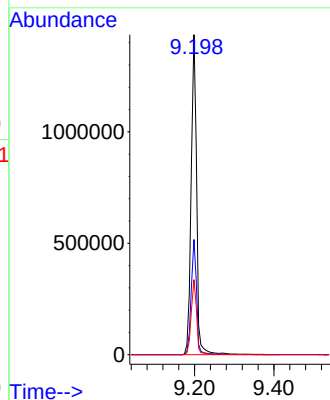
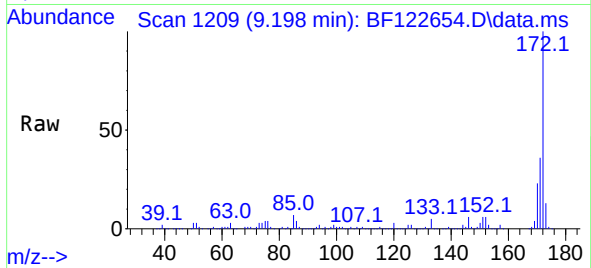




#45
2-Fluorobiphenyl
Concen: 56.10 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

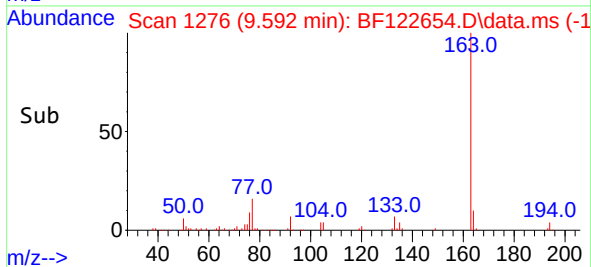
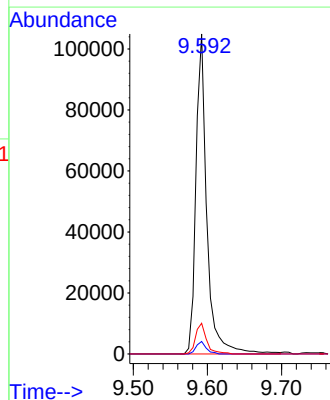
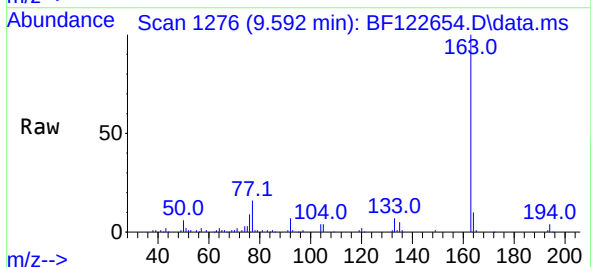
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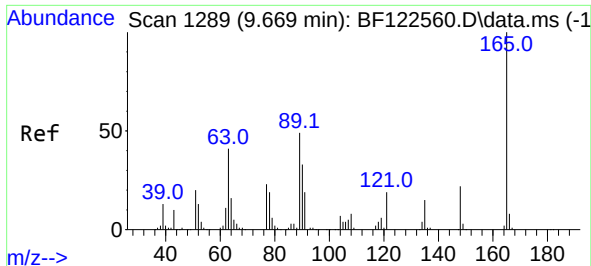
Tgt Ion:172 Resp: 1386255
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.5 19.5 29.3



#50
Dimethylphthalate
Concen: 4.02 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:163 Resp: 107262
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.6 8.1 12.1

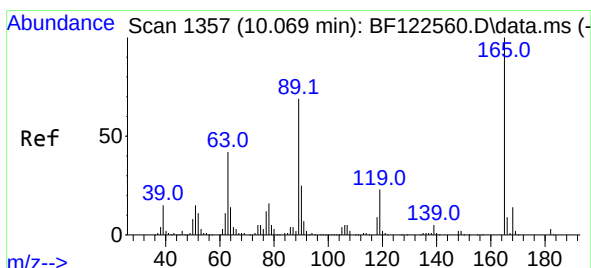
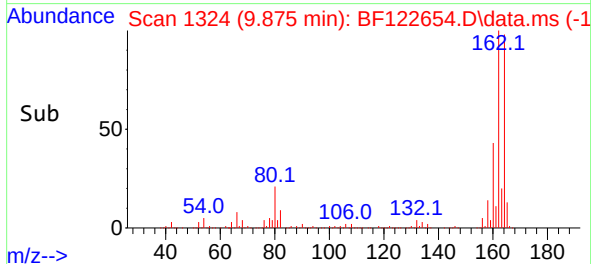
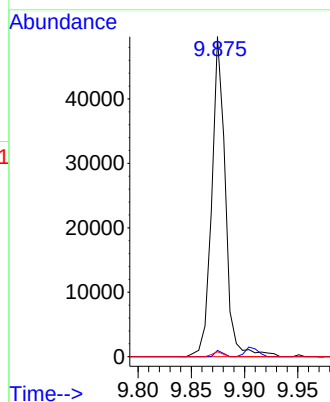
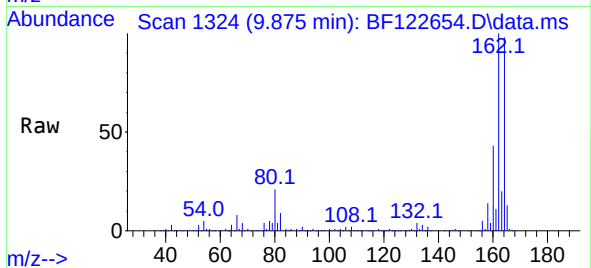




#51
2,6-Dinitrotoluene
Concen: 7.87 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

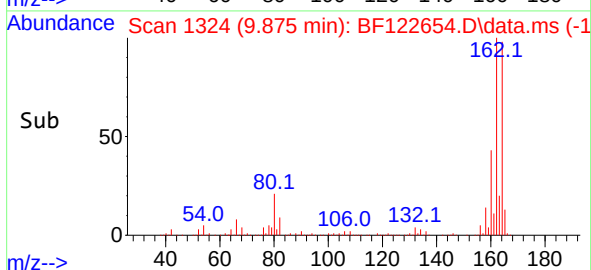
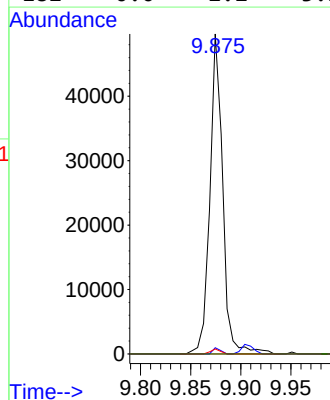
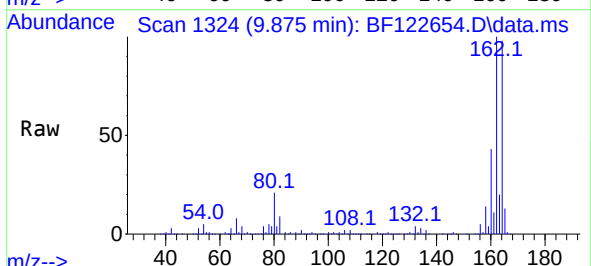
Instrument :
BNA_F
ClientSampleId :
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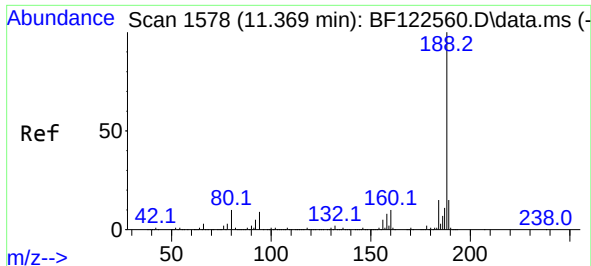
Tgt Ion:165	Resp:	44363
Ion Ratio	Lower	Upper
165	100	
63	1.9	36.6 55.0#
89	1.5	39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:165	Resp:	44363
Ion Ratio	Lower	Upper
165	100	
63	1.9	34.3 51.5#
89	1.5	55.2 82.8#
182	0.0	2.2 3.2#

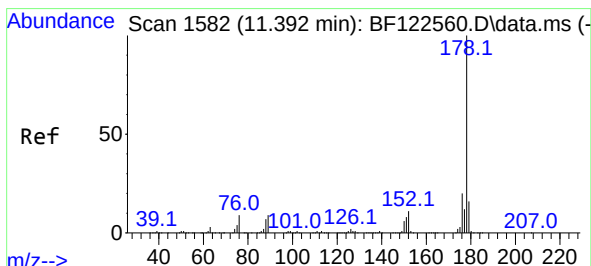
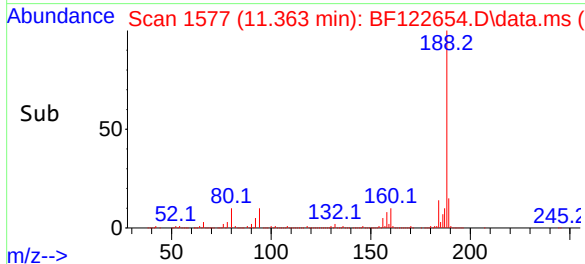
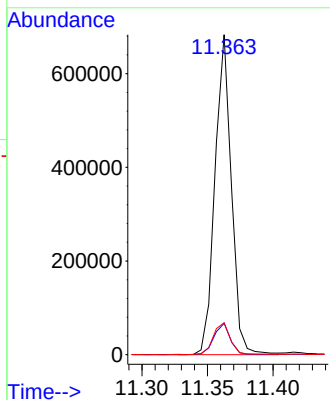
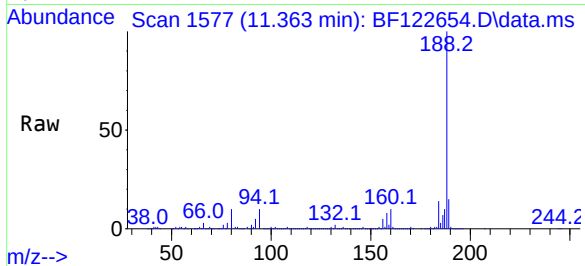




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

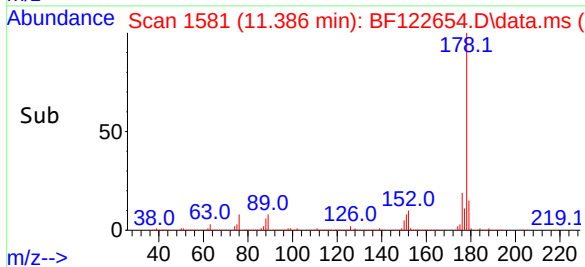
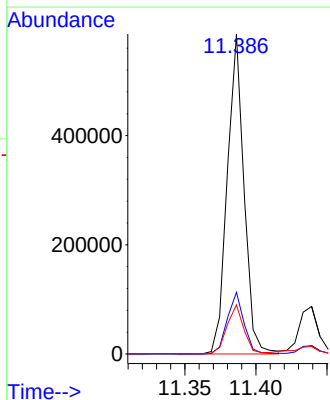
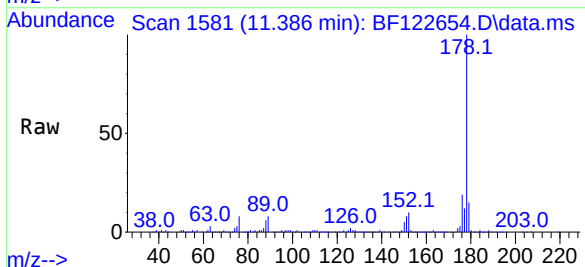
Instrument :
BNA_F
ClientSampleId :
MANHOLE

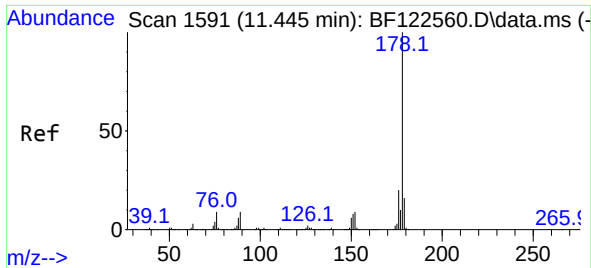
Tgt Ion:188 Resp: 594032
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.0 8.2 12.4



#71
Phenanthrene
Concen: 13.63 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:178 Resp: 481088
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.4 12.7 19.1



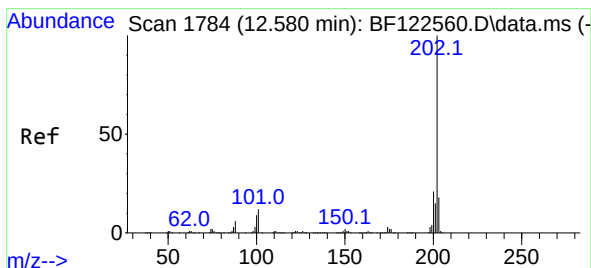
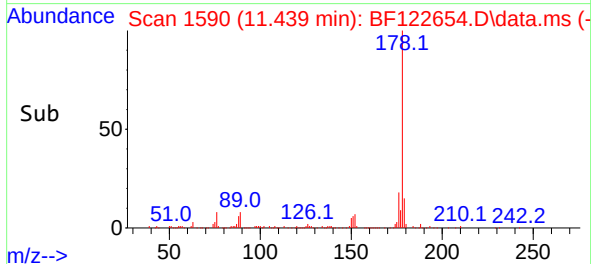
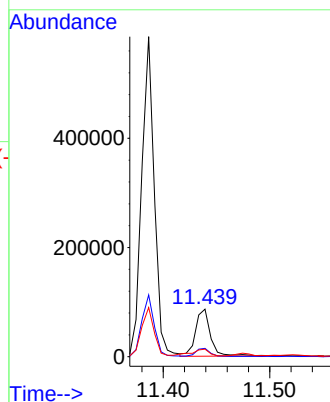
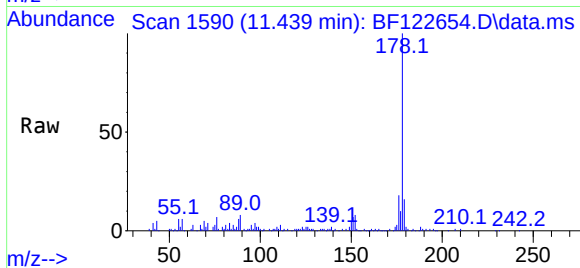


#72
 Anthracene
 Concen: 2.39 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122654.D
 Acq: 10 Dec 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:178 Resp: 83763

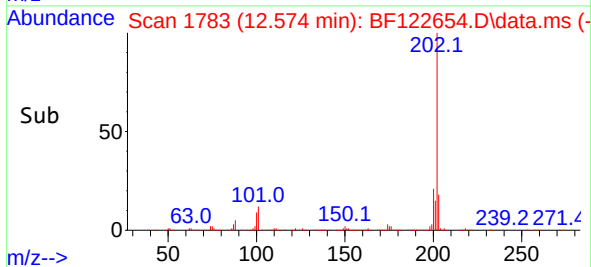
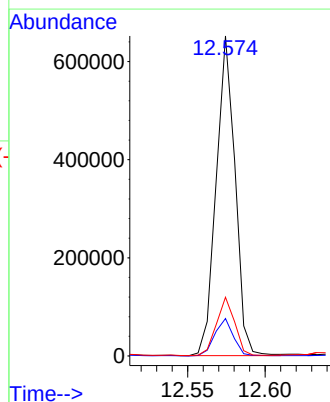
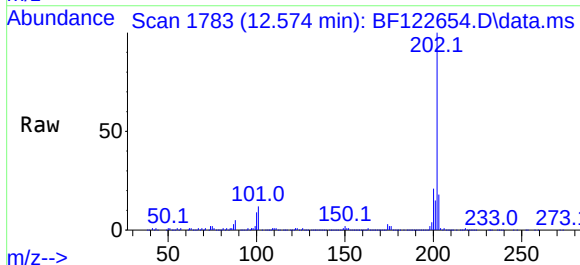
Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.6	23.4
179	15.8	12.8	19.2

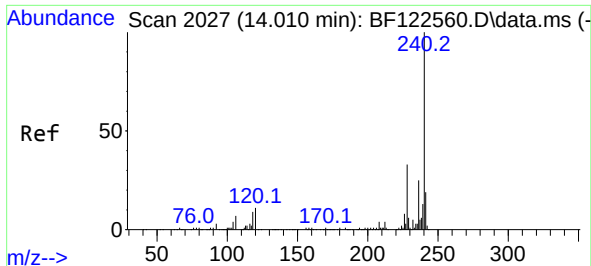


#75
 Fluoranthene
 Concen: 14.92 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF122654.D
 Acq: 10 Dec 2020 19:18

Tgt Ion:202 Resp: 552236

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.2
203	18.3	0.0	38.1

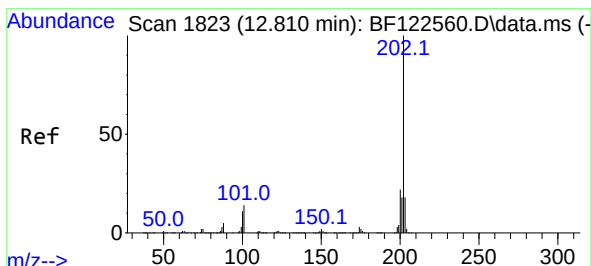
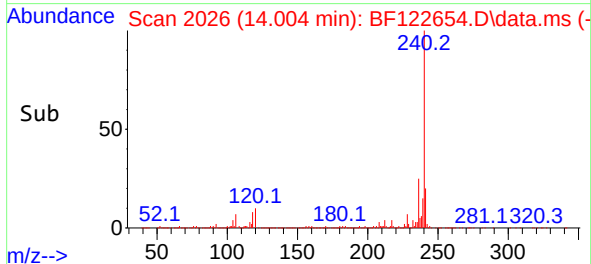
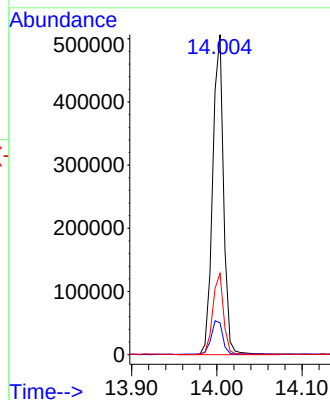
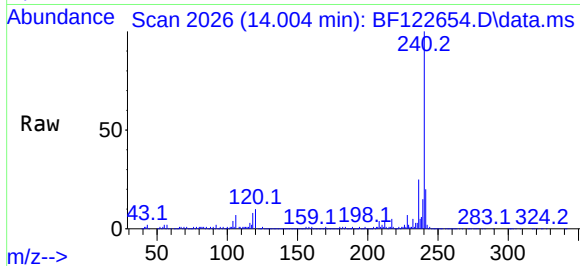




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

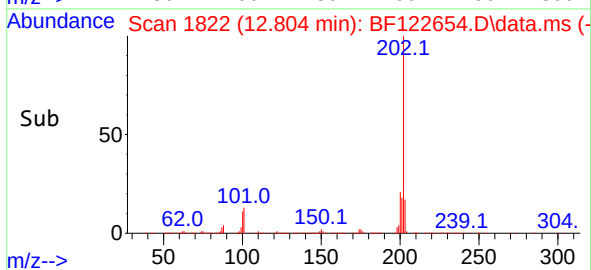
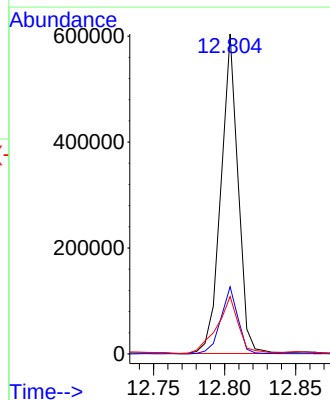
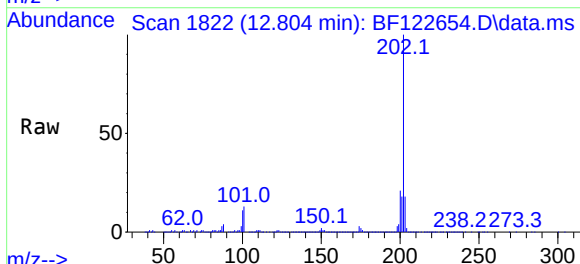
Instrument :
BNA_F
ClientSampleId :
MANHOLE

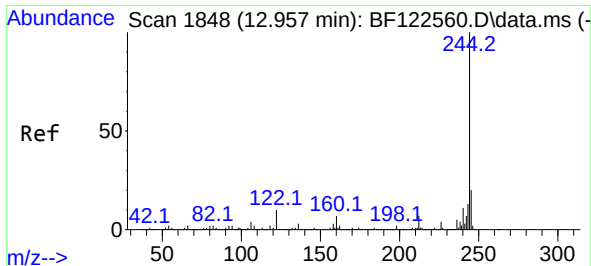
Tgt Ion:240 Resp: 451029
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 14.52 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:202 Resp: 506362
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.0 14.6 21.8

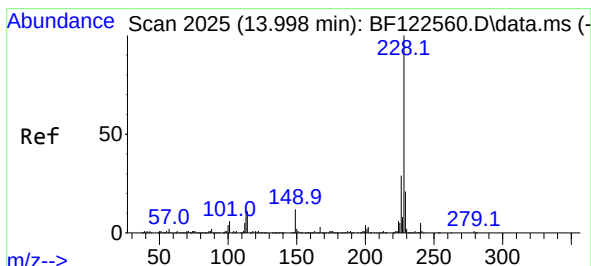
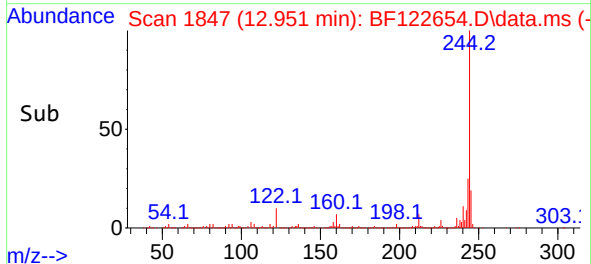
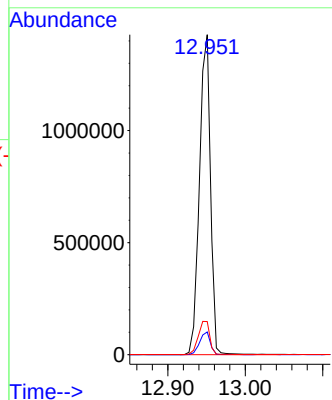
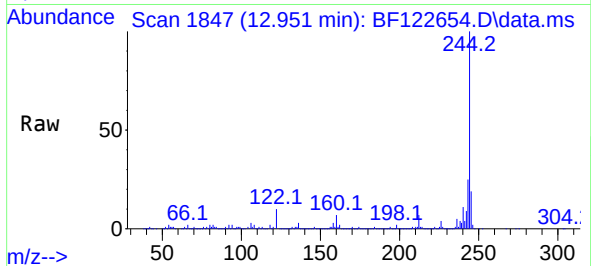




#79
 Terphenyl-d14
 Concen: 54.73 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF122654.D
 Acq: 10 Dec 2020 19:18

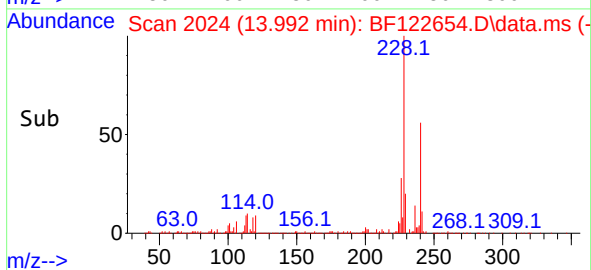
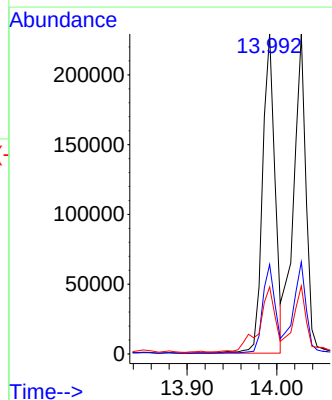
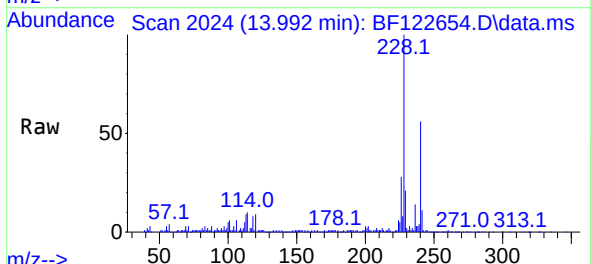
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

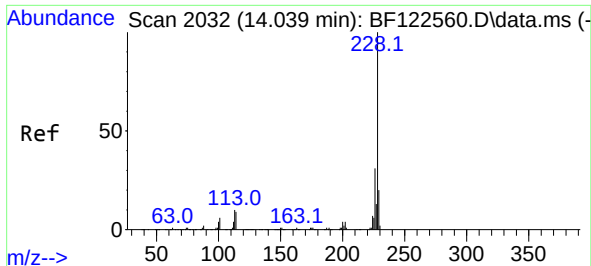
Tgt Ion:244 Resp: 1410134
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.3 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 7.30 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF122654.D
 Acq: 10 Dec 2020 19:18

Tgt Ion:228 Resp: 220147
 Ion Ratio Lower Upper
 228 100
 226 28.0 23.0 34.4
 229 20.9 16.6 24.8



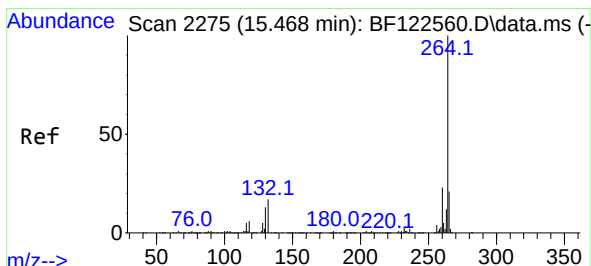
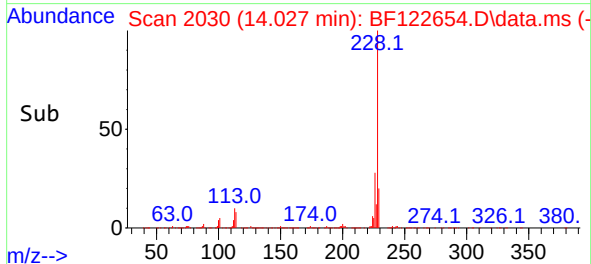
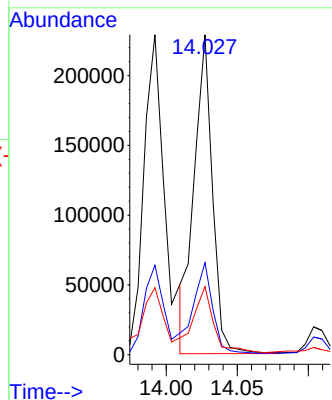
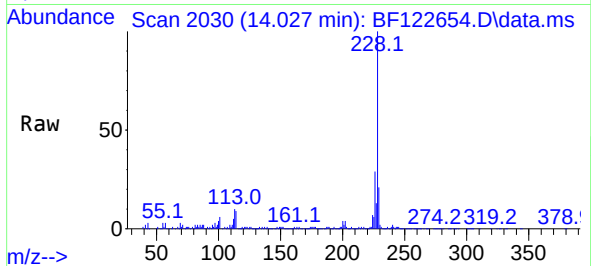


#83
Chrysene
Concen: 6.83 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:228 Resp: 205010

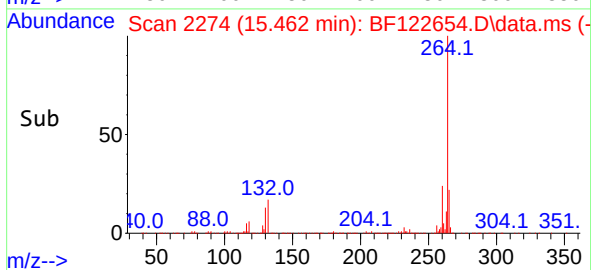
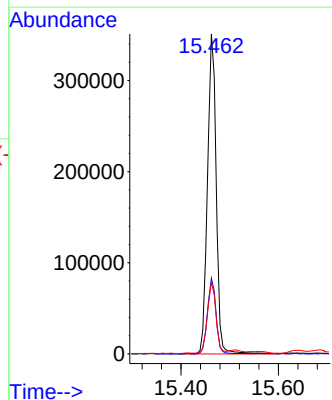
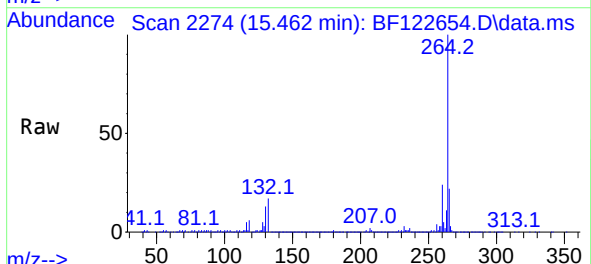
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.6	36.8
229	21.3	15.8	23.6

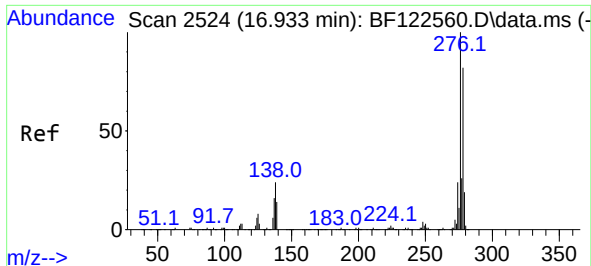


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:264 Resp: 436643

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.4	17.0	25.6

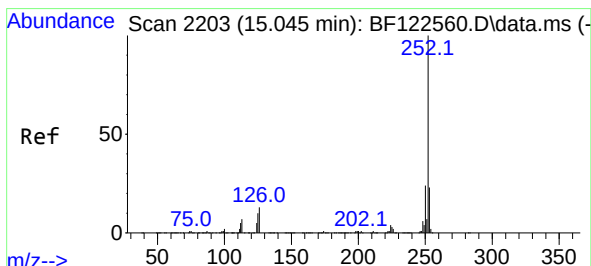
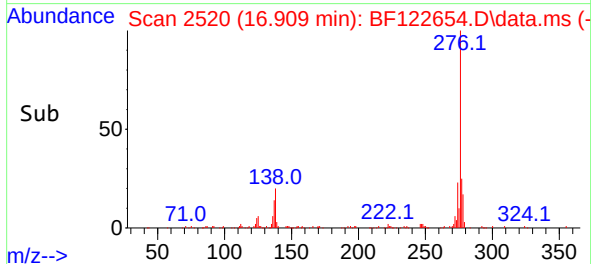
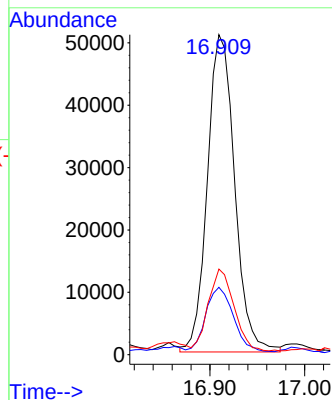
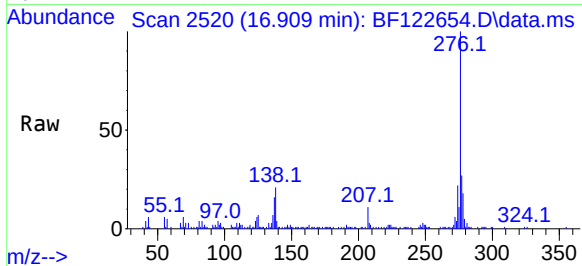




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.56 ng
RT: 16.909 min Scan# 2520
Delta R.T. -0.024 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

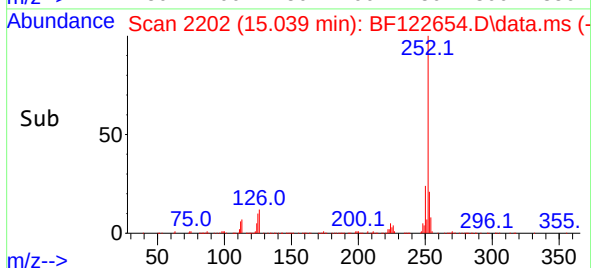
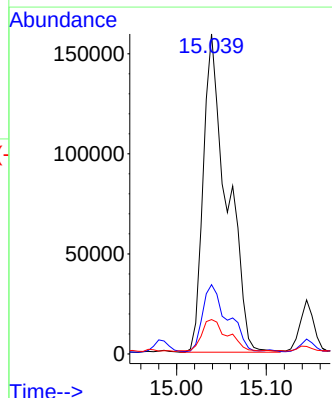
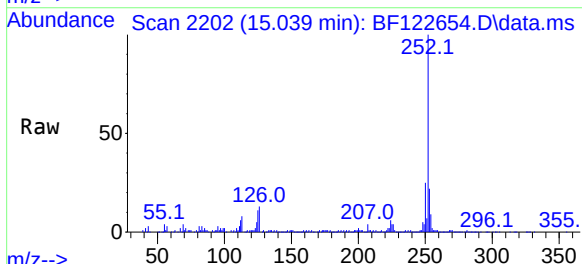
Instrument :
BNA_F
ClientSampleId :
MANHOLE

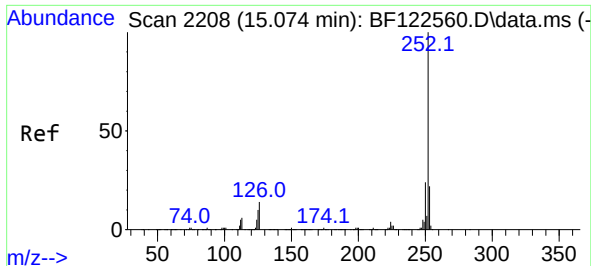
Tgt Ion:276 Resp: 101991
Ion Ratio Lower Upper
276 100
138 20.5 18.7 28.1
277 24.3 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 9.53 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Tgt Ion:252 Resp: 291953
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 10.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 10.42 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.035 min

Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

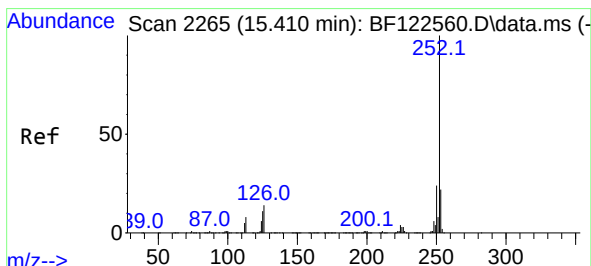
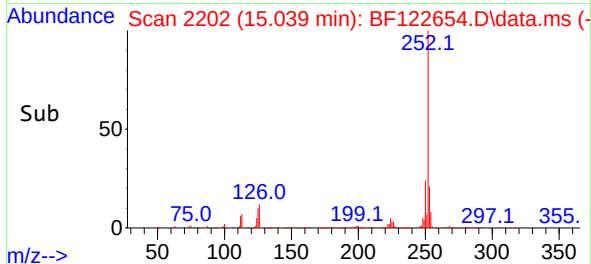
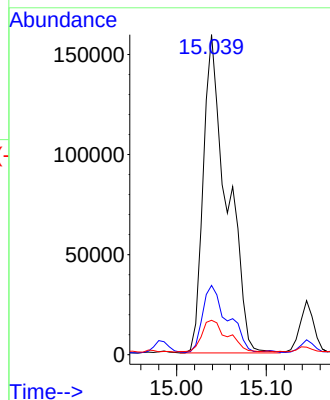
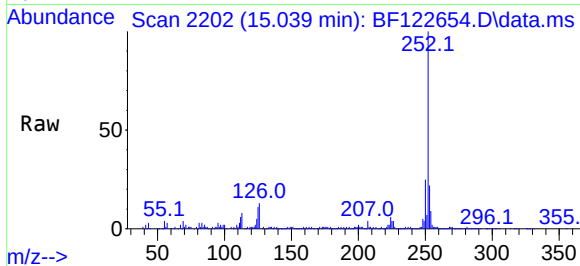
Tgt Ion:252 Resp: 291953

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 10.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 6.11 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.012 min

Lab File: BF122654.D

Acq: 10 Dec 2020 19:18

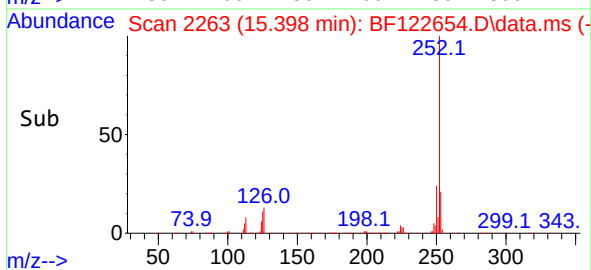
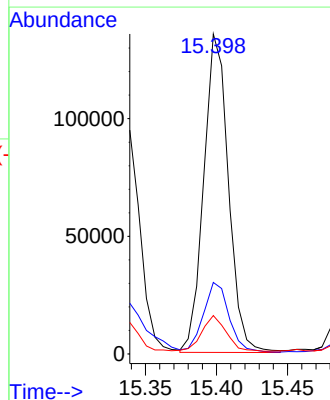
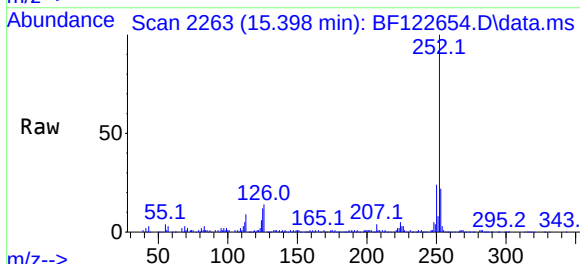
Tgt Ion:252 Resp: 163827

Ion Ratio Lower Upper

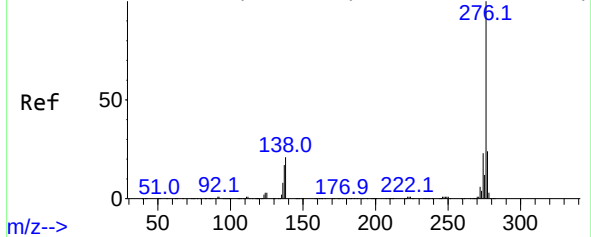
252 100

253 22.3 17.5 26.3

125 12.0 8.6 12.8



Abundance Scan 2598 (17.368 min): BF122560.D\data.ms (-



#92
Benzo(g,h,i)perylene
Concen: 4.30 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.018 min
Lab File: BF122654.D
Acq: 10 Dec 2020 19:18

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:	276	Resp:	97718
Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	20.8	16.6	24.8

