

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121465.D
 Acq On : 28 Aug 2020 17:58
 Operator : JU/CG
 Sample : L3837-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP11-2430-01

Quant Time: Aug 28 18:28:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	293595	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1138677	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	596925	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1126192	20.00	ng	0.00
76) Chrysene-d12	14.02	240	840142	20.00	ng	0.00
86) Perylene-d12	15.49	264	732036	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1313783	75.08	ng	0.00
7) Phenol-d6	6.48	99	1699781	69.51	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1075136	64.55	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	492060	81.61	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2005397	54.21	ng	0.00
79) Terphenyl-d14	12.97	244	2100866	52.64	ng	0.00

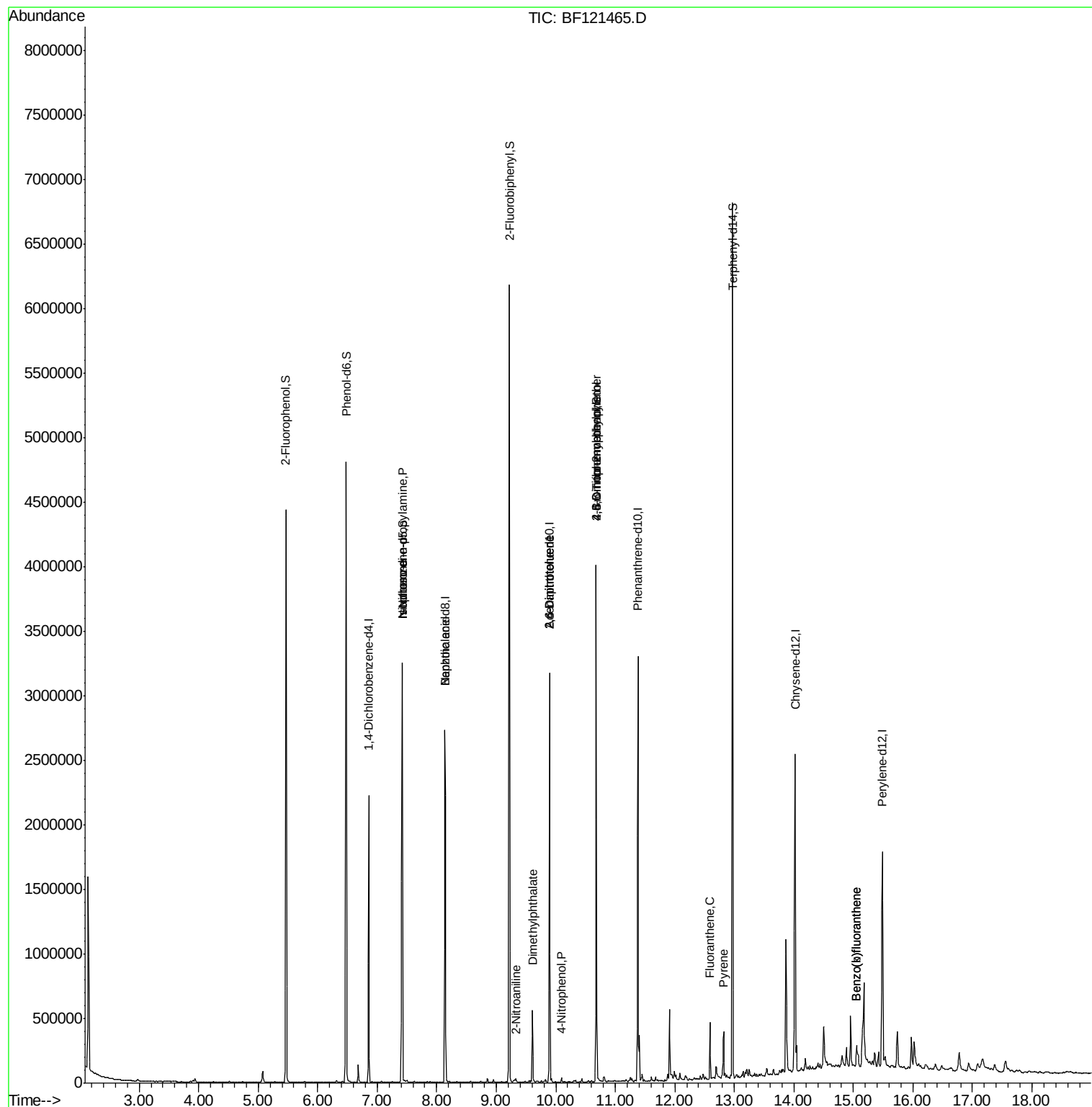
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	505	Below Cal		92
19) n-Nitroso-di-n-propylamine	7.42	70	142119	10.399	ng	# 80
25) Isophorone	7.42	82	1072644	28.632	ng	# 64
32) Benzoic acid	8.15	122	217	6.688	ng	# 1
48) 2-Nitroaniline	9.33	65	251	6.668	ng	# 5
50) Dimethylphthalate	9.61	163	192772	4.701	ng	98
51) 2,6-Dinitrotoluene	9.90	165	77050	15.104	ng	# 24
56) 4-Nitrophenol	10.10	139	2749	8.170	ng	# 6
57) 2,4-Dinitrotoluene	9.90	165	77050	14.186	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.68	198	1080	5.968	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	29442	2.376	ng	# 1
75) Fluoranthene	12.59	202	162125	2.603	ng	94
78) Pyrene	12.82	202	143637	2.394	ng	95
88) Benzo(b)fluoranthene	15.06	252	122242	2.567	ng	98
89) Benzo(k)fluoranthene	15.06	252	122242	2.760	ng	99

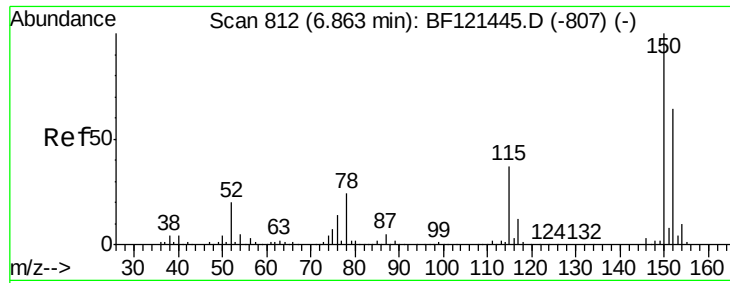
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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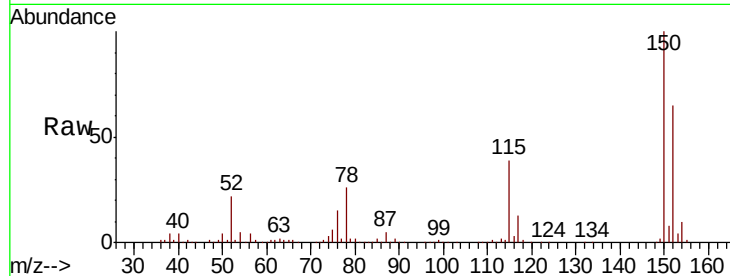




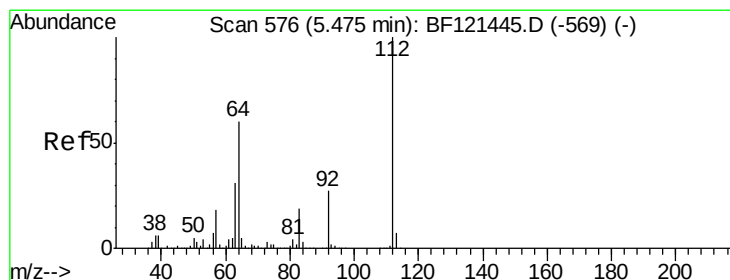
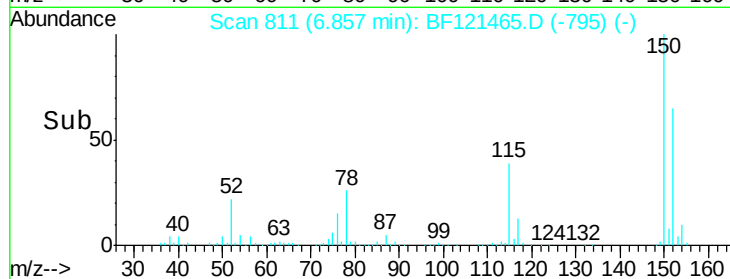
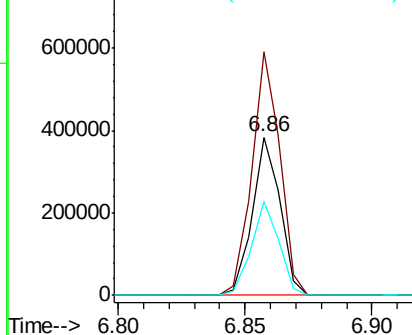
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121465.D
 Acq: 28 Aug 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP11-2430-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.8	188.6
115	59.5	46.6	69.8

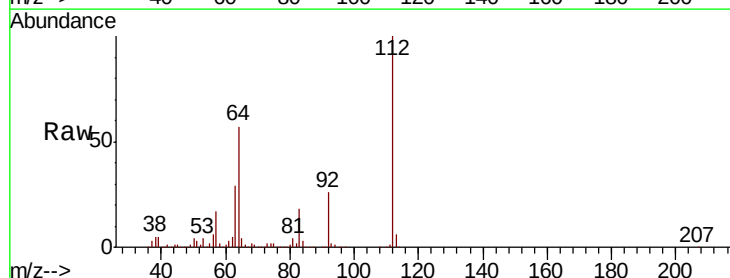


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

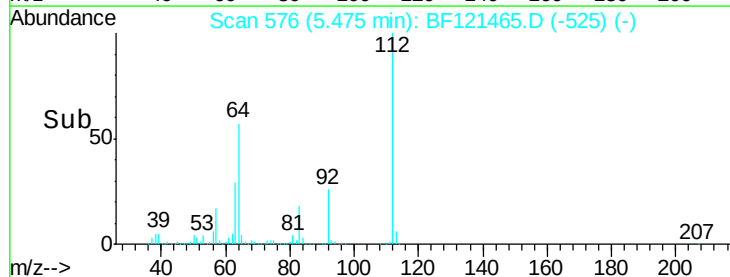
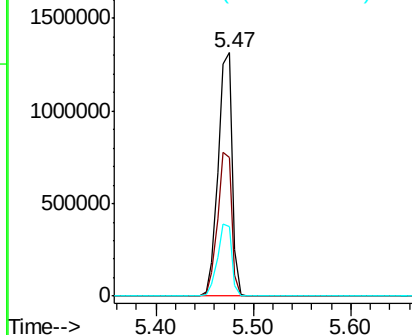


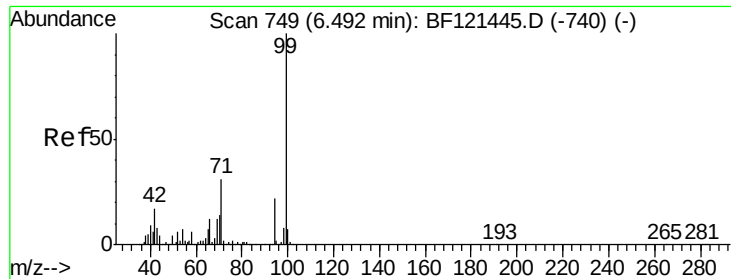
#5
 2-Fluorophenol
 Concen: 75.076 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: BF121465.D
 Acq: 28 Aug 2020 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.2	72.2
63	28.8	24.8	37.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 69.507 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Instrument :

BNA_F

ClientSampleId :

789UMR-TP11-2430-01

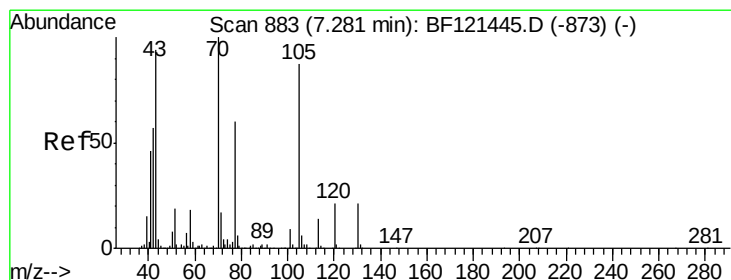
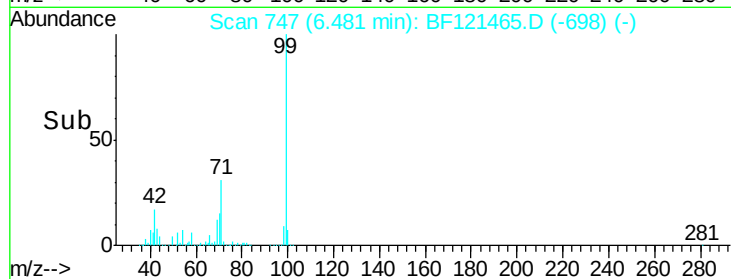
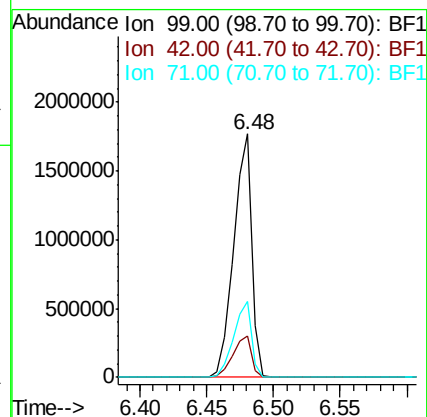
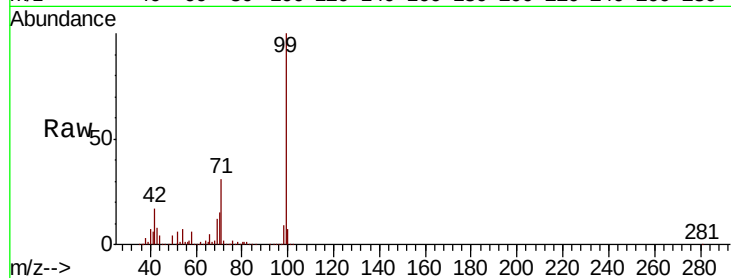
Tot Ion: 99 Resp: 1699781

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 31.3 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.399 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Tgt Ion: 70 Resp: 142119

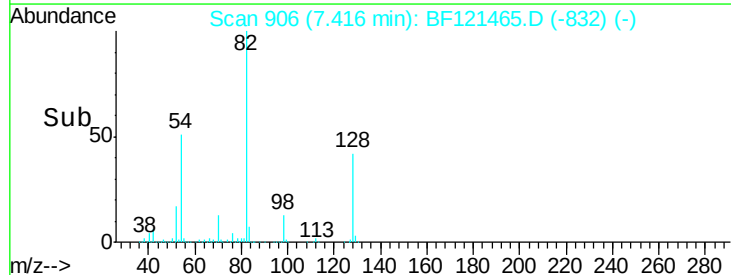
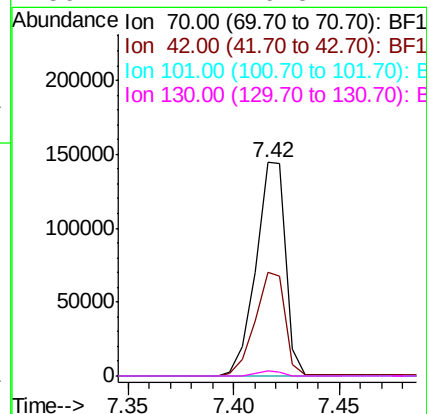
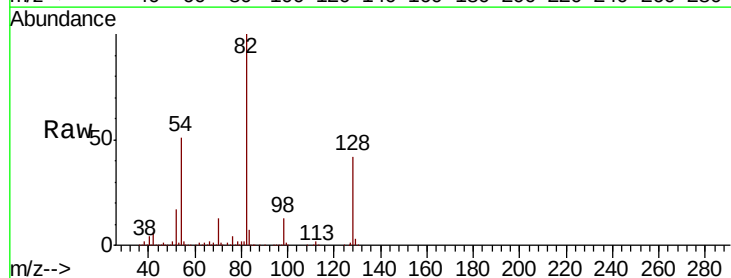
Ion Ratio Lower Upper

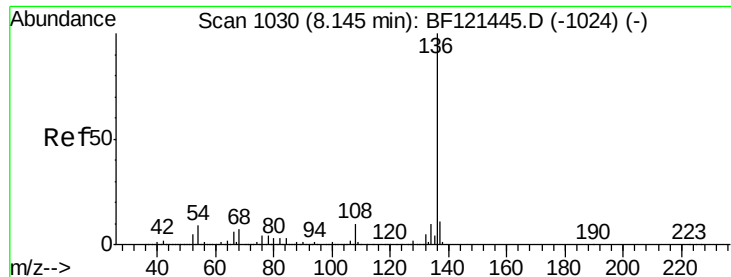
70 100

42 48.7 45.8 68.6

101 0.0 7.5 11.3#

130 2.4 16.5 24.7#

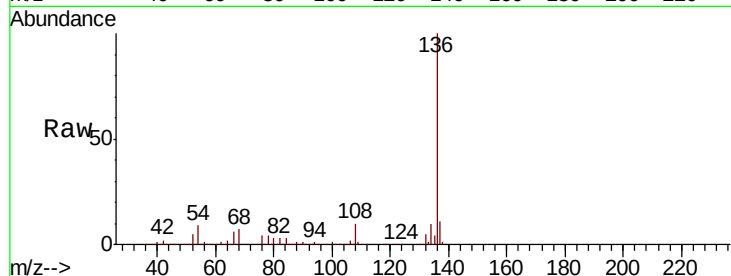




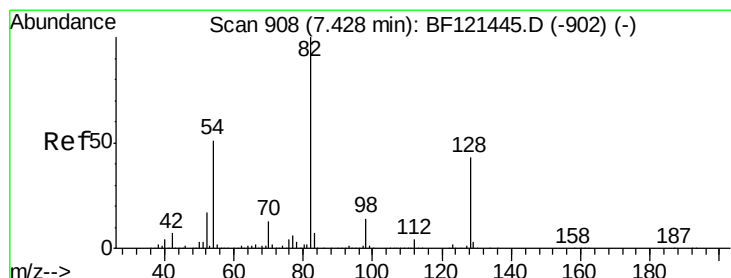
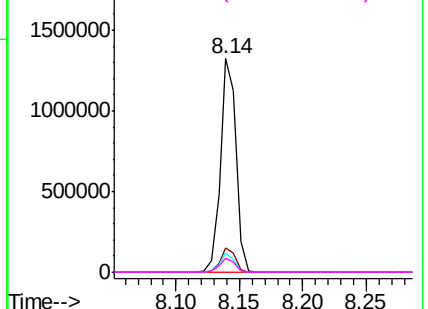
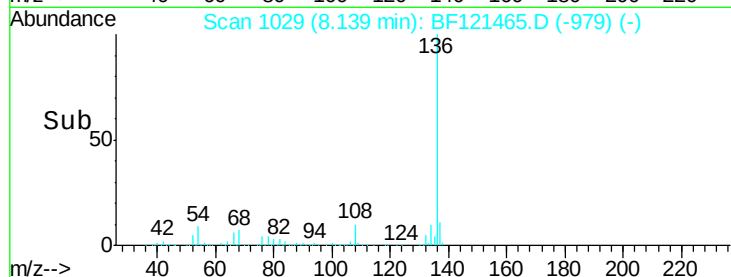
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

Tot Ion:136	Resp: 1138677
Ion Ratio	Lower Upper
136 100	
137 11.3	9.1 13.7
54 9.0	7.0 10.4
68 6.9	5.5 8.3

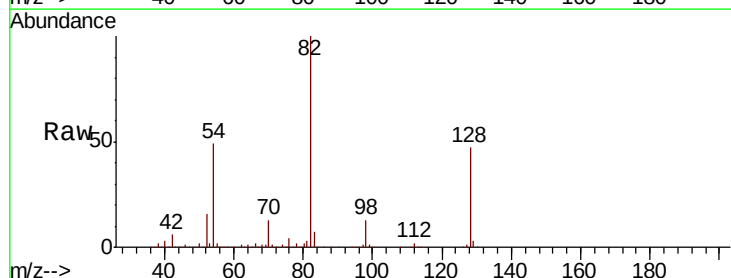


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

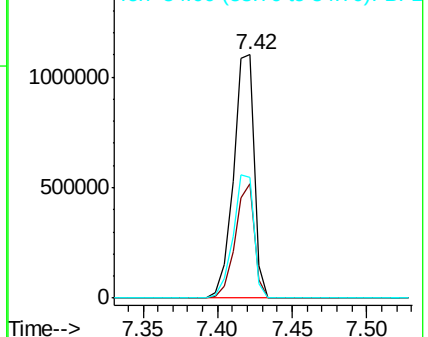
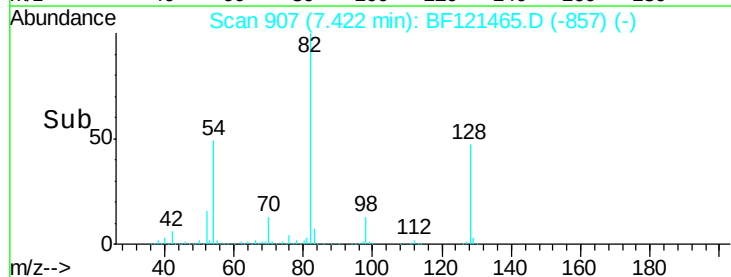


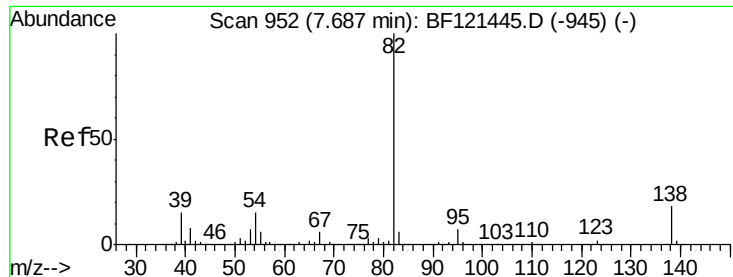
#23
Nitrobenzene-d5
Concen: 64.551 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion: 82	Resp: 1075136
Ion Ratio	Lower Upper
82 100	
128 47.2	34.1 51.1
54 49.3	41.0 61.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.632 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Instrument :

BNA_F

ClientSampleId :

789UMR-TP11-2430-01

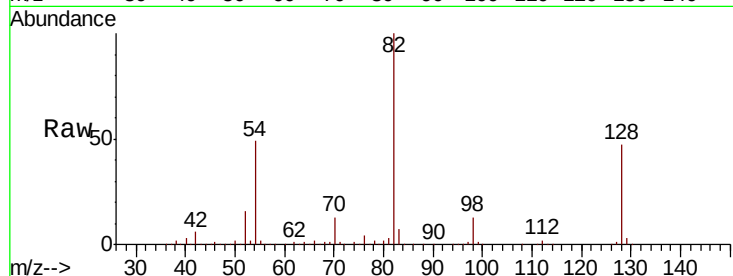
Tot Ion: 82 Resp: 1072644

Ion Ratio Lower Upper

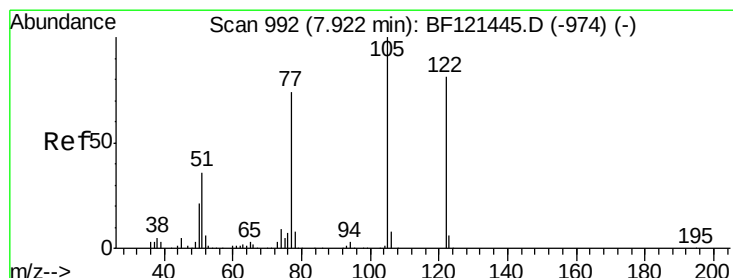
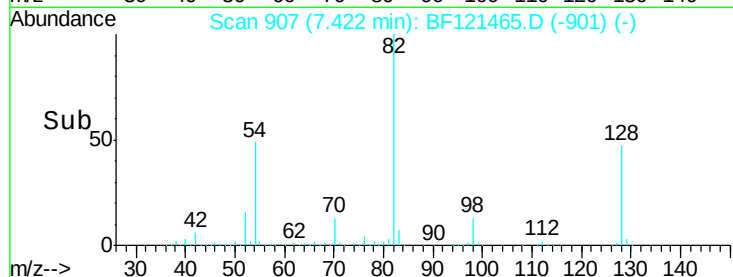
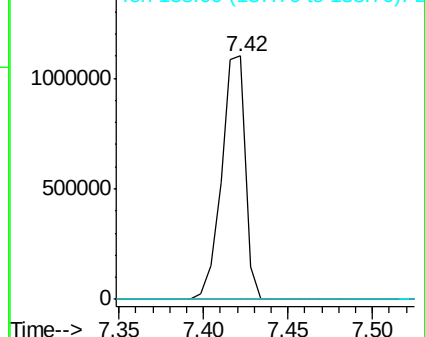
82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.688 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

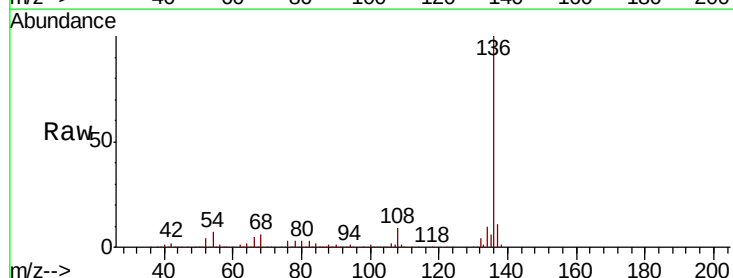
Tgt Ion:122 Resp: 217

Ion Ratio Lower Upper

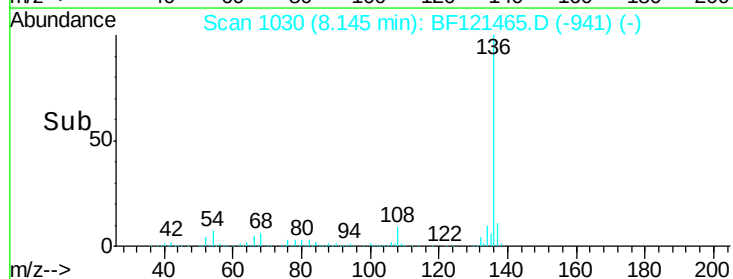
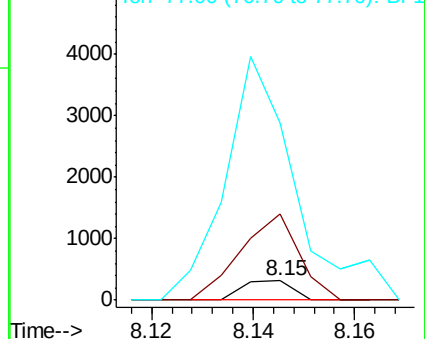
122 100

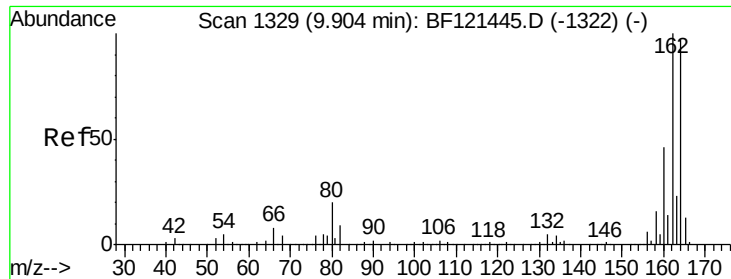
105 444.3 100.8 140.8#

77 915.0 71.5 111.5#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121465.D

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ClientSampleId :

789UMR-TP11-2430-01

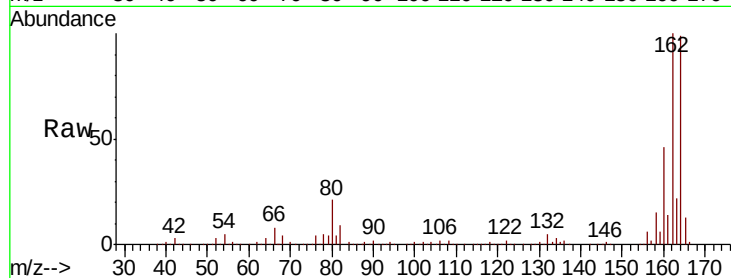
Tot Ion:164 Resp: 596925

Ion Ratio Lower Upper

164 100

162 101.1 82.4 123.6

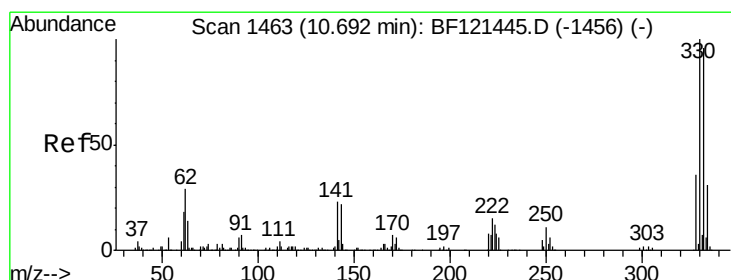
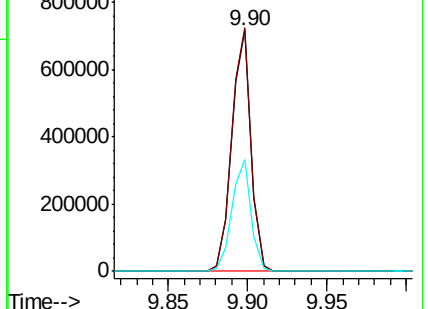
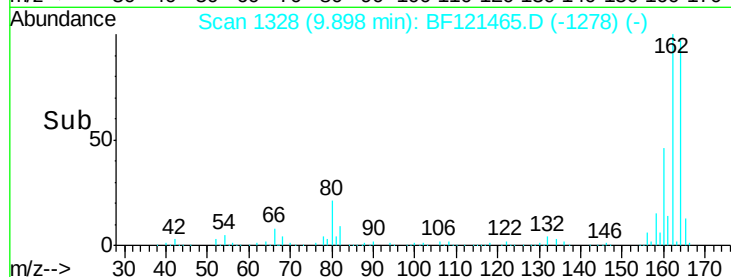
160 46.7 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 81.612 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

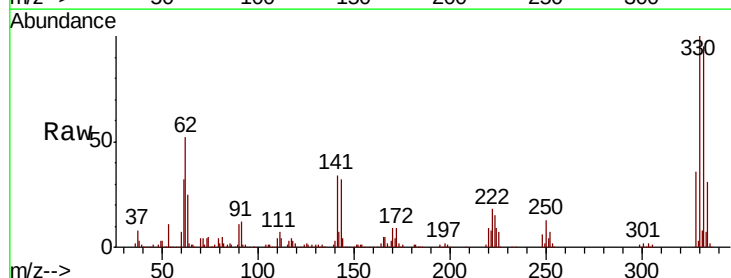
Tgt Ion:330 Resp: 492060

Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.2

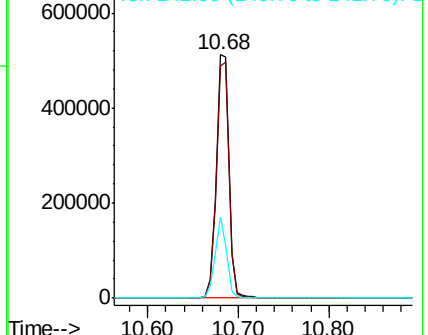
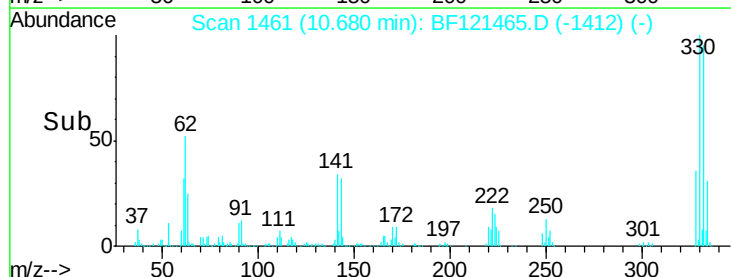
141 30.9 24.6 36.8

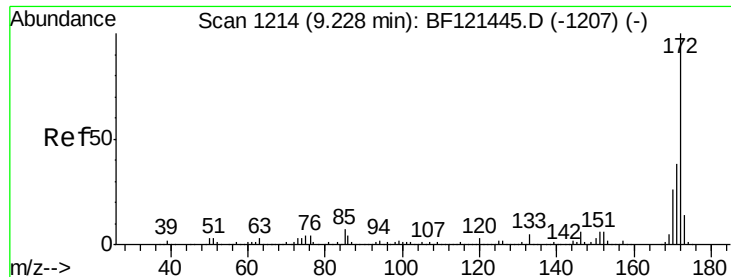


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

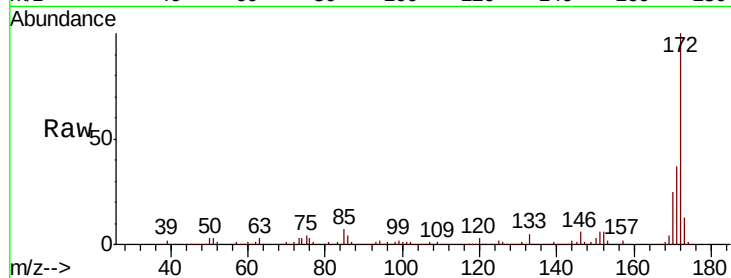




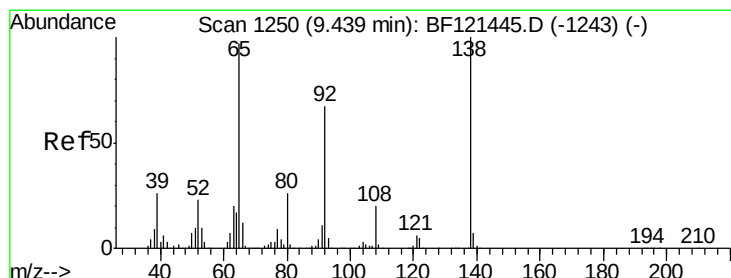
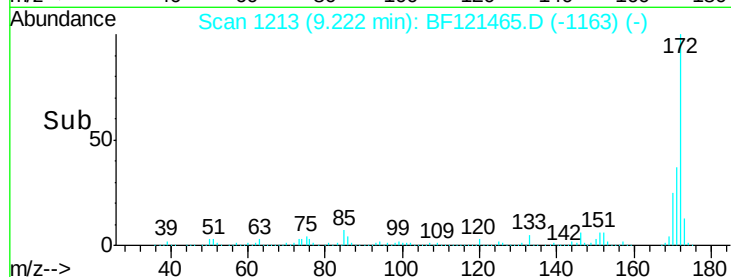
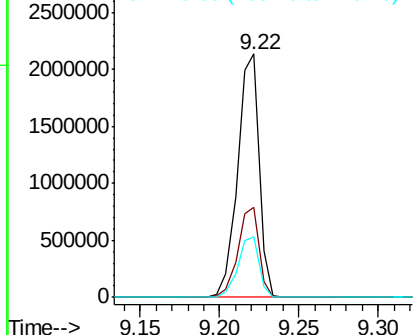
#45
2-Fluorobiphenyl
Concen: 54.207 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Instrument :
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ClientSampleId :
789UMR-TP11-2430-01

Tot Ion:172 Resp: 2005397
Ion Ratio Lower Upper
172 100
171 36.8 30.6 45.8
170 25.1 20.6 31.0

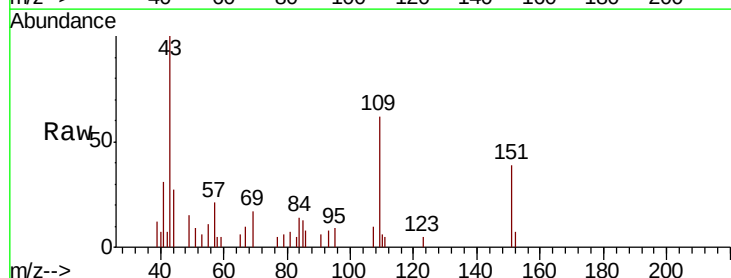


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

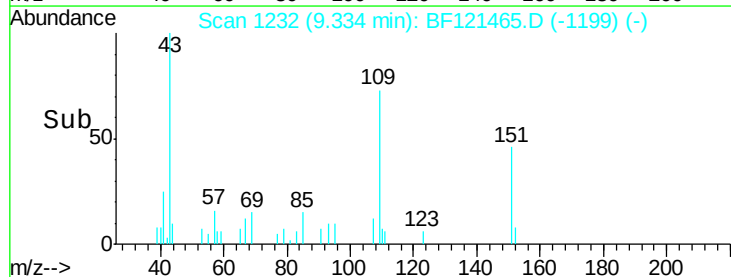
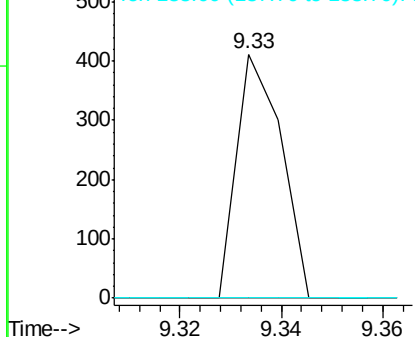


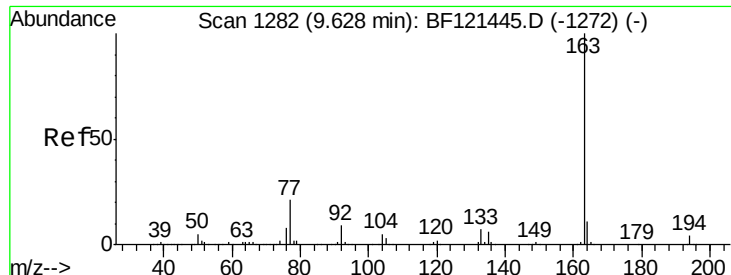
#48
2-Nitroaniline
Concen: 6.668 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion: 65 Resp: 251
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 82.9 124.3#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

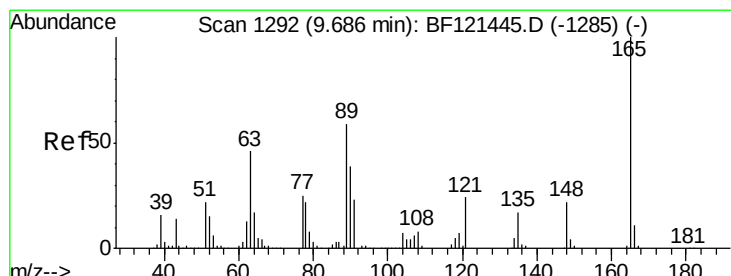
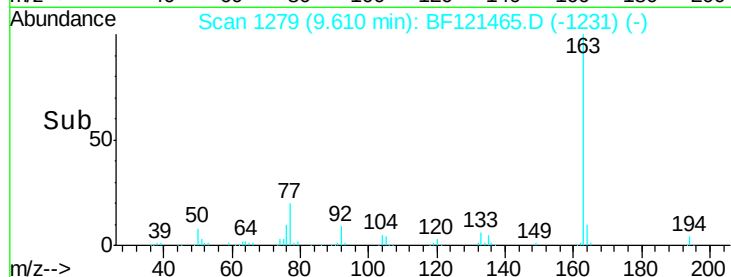
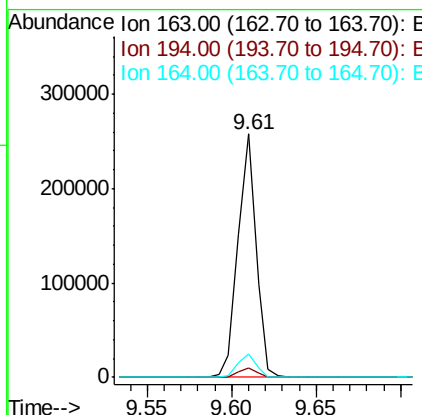
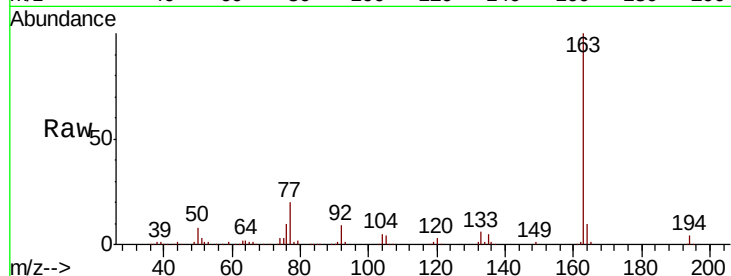




#50
Dimethylphthalate
Concen: 4.701 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

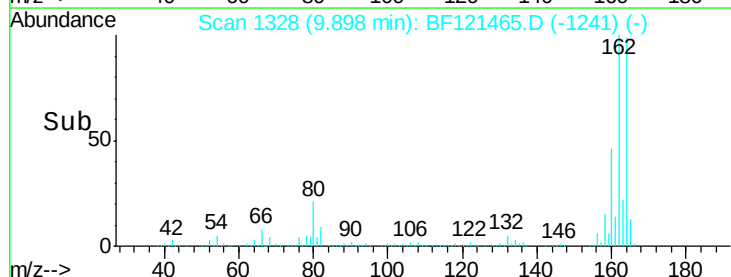
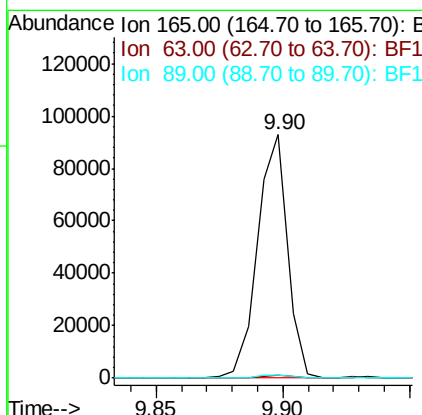
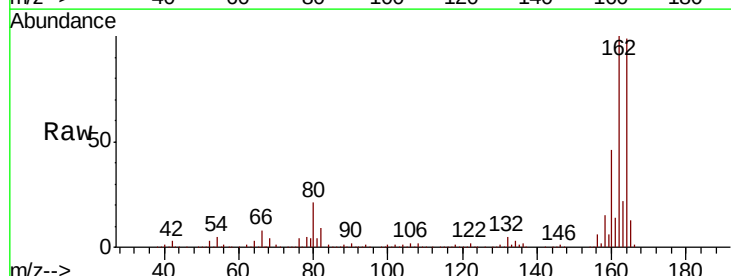
Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

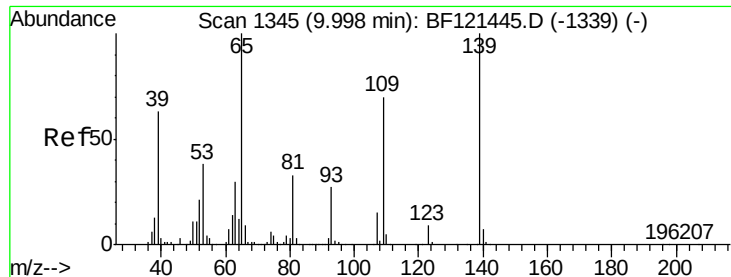
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.6	8.6	12.8



#51
2,6-Dinitrotoluene
Concen: 15.104 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.6	65.4#
89	1.3	47.4	71.2#





#56

4-Nitrophenol

Concen: 8.170 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.10 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Instrument :

BNA_F

ClientSampleId :

789UMR-TP11-2430-01

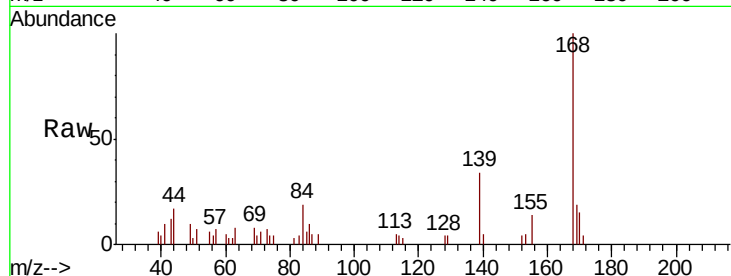
Tot Ion:139 Resp: 2749

Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

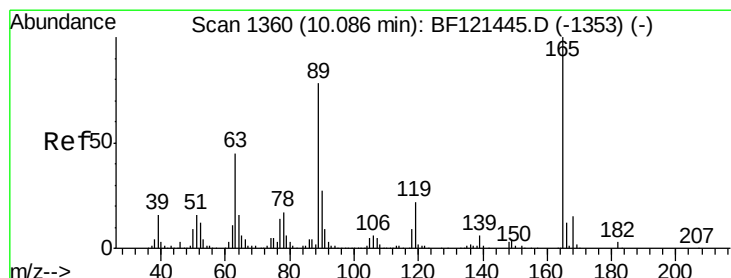
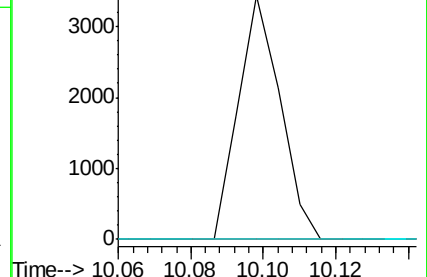
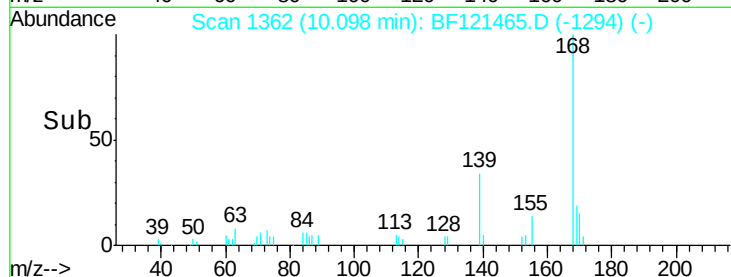
65 0.0 80.2 120.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 14.186 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.19 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Tgt Ion:165 Resp: 77050

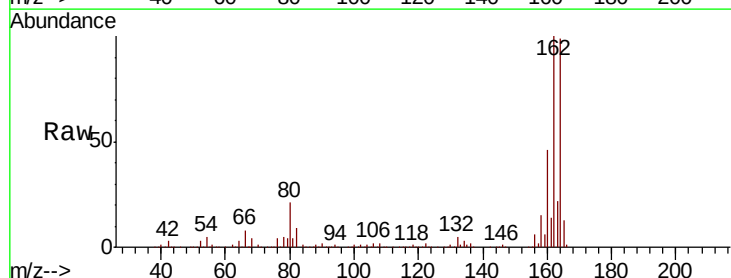
Ion Ratio Lower Upper

165 100

63 1.2 36.0 54.0#

89 1.3 62.6 93.8#

182 0.0 2.2 3.2#

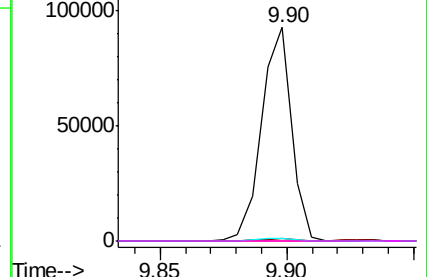
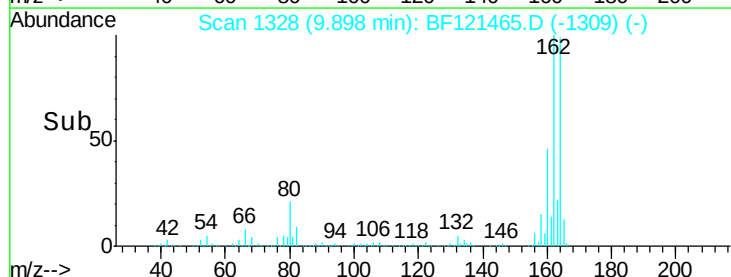


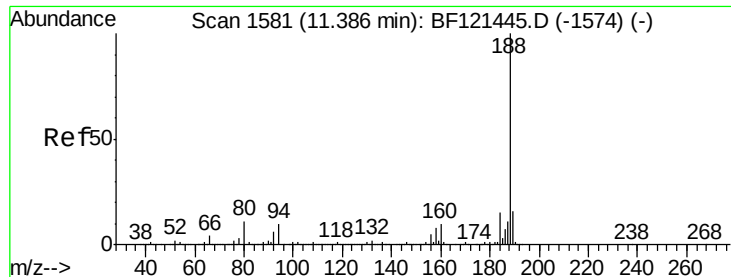
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

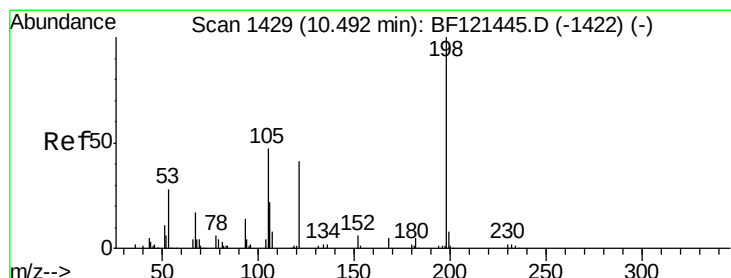
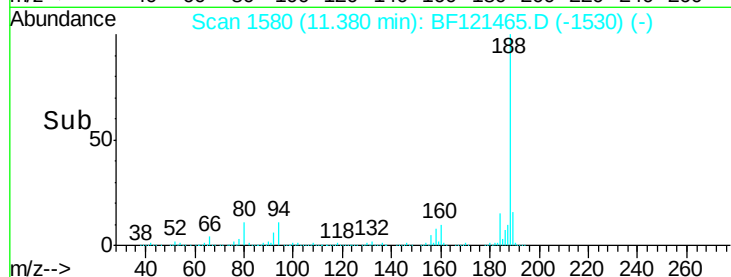
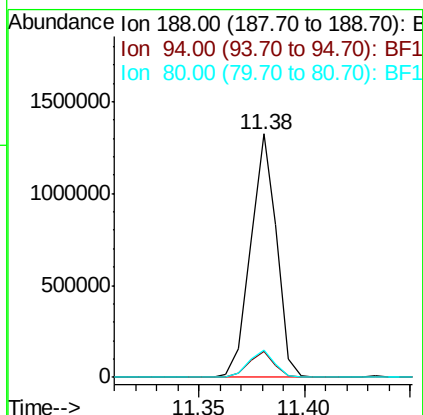
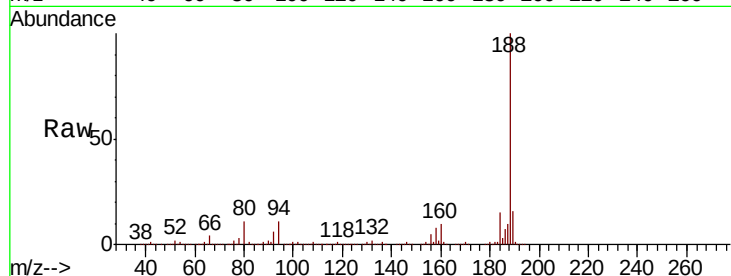




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

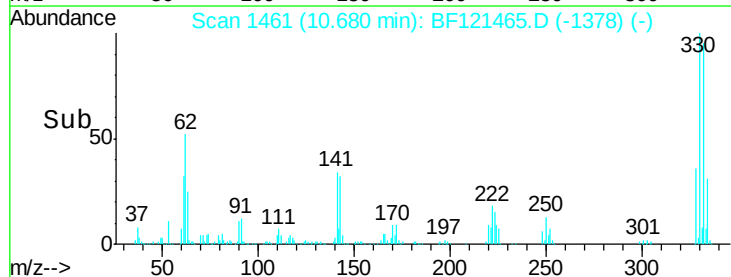
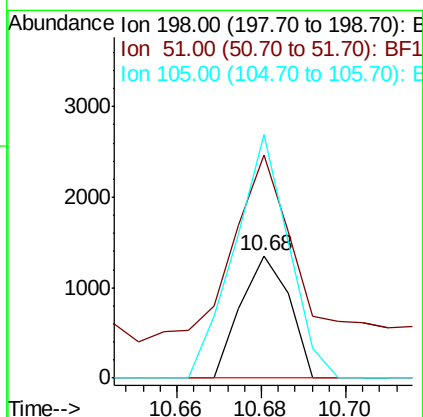
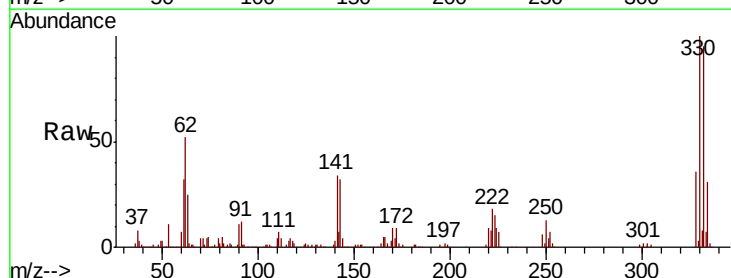
Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

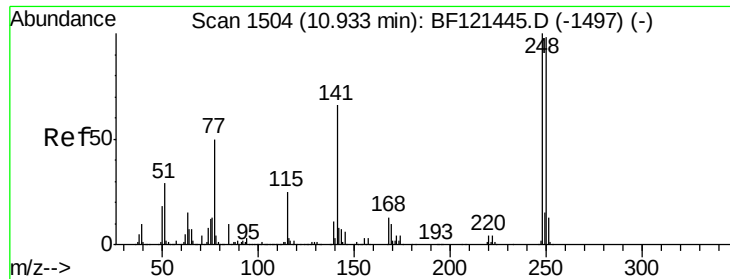
Tot Ion:188 Resp: 1126192
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.5 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.968 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.19 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion:198 Resp: 1080
Ion Ratio Lower Upper
198 100
51 183.2 29.0 69.0#
105 199.4 29.1 69.1#

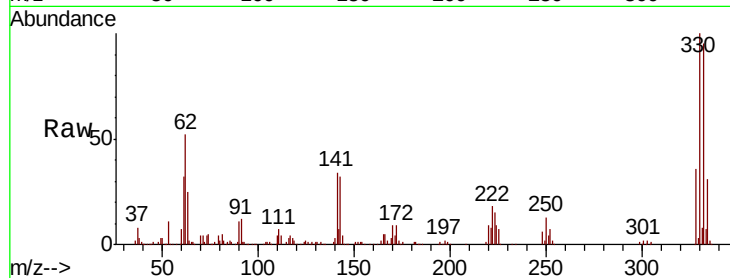




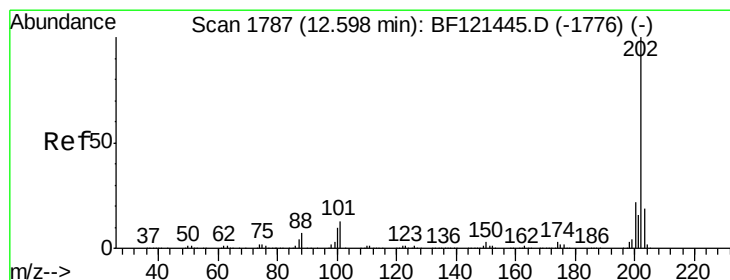
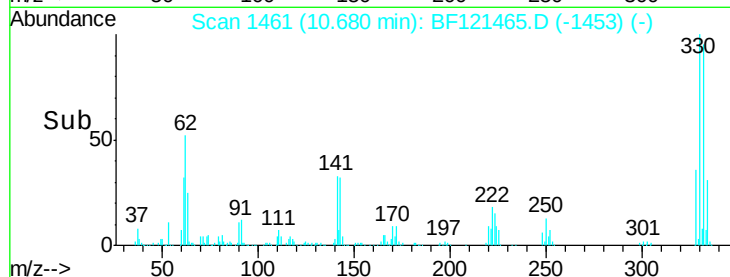
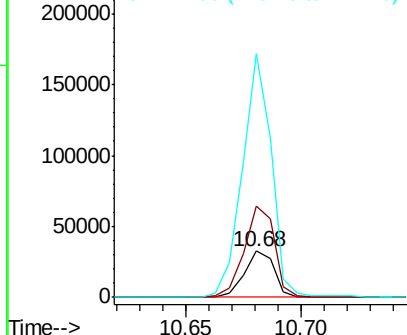
#67
4-Bromophenyl-phenylether
Concen: 2.376 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

Tot Ion:248 Resp: 29442
Ion Ratio Lower Upper
248 100
250 198.8 78.7 118.1#
141 527.1 52.6 78.8#

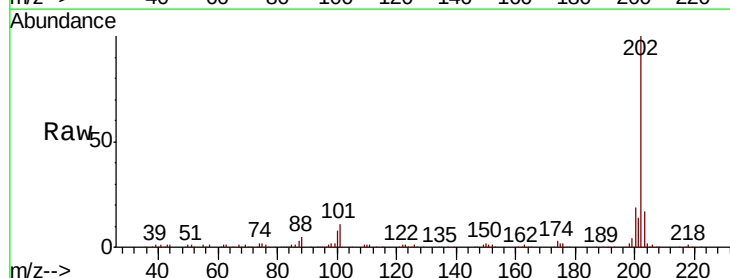


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

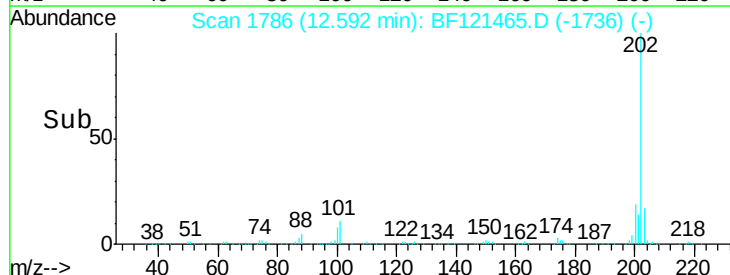
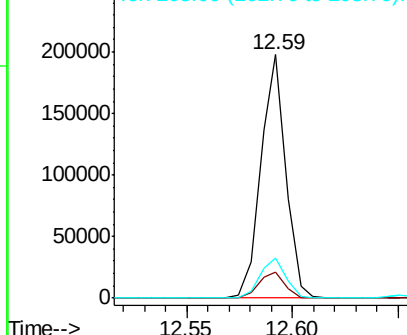


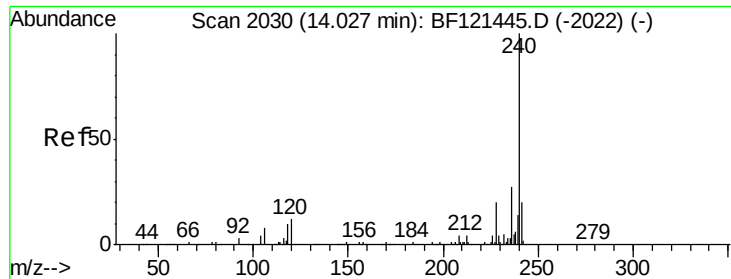
#75
Fluoranthene
Concen: 2.603 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion:202 Resp: 162125
Ion Ratio Lower Upper
202 100
101 10.9 0.0 33.3
203 16.6 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

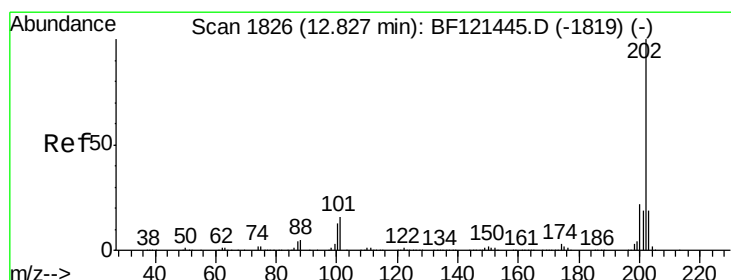
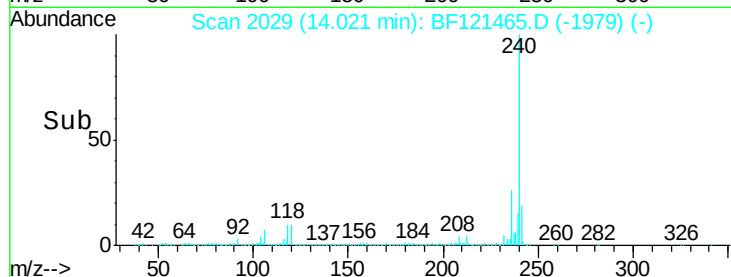
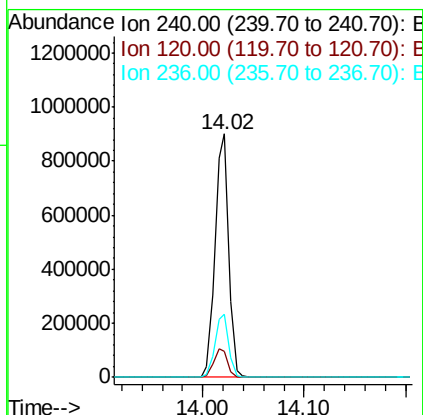
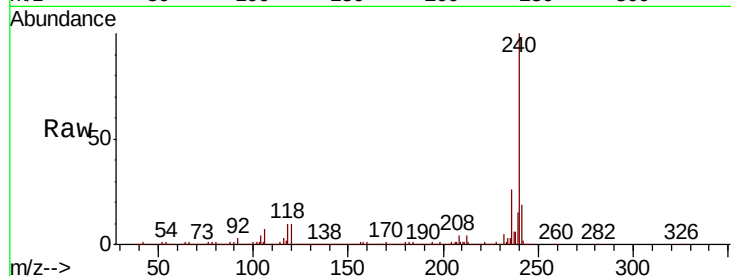




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

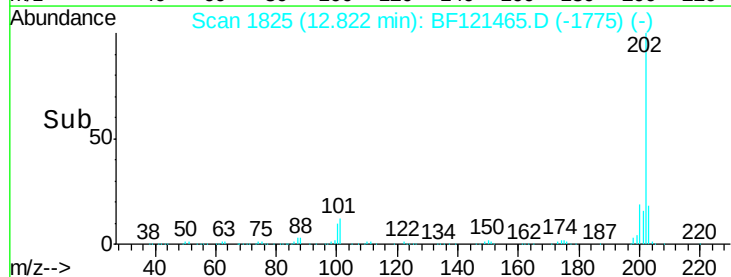
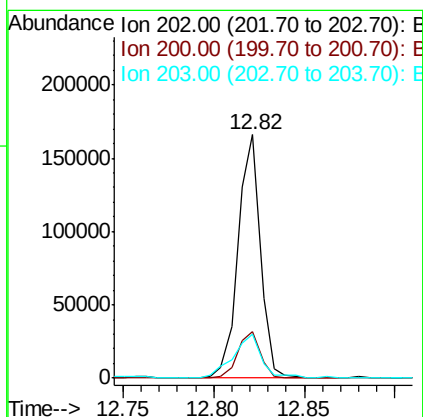
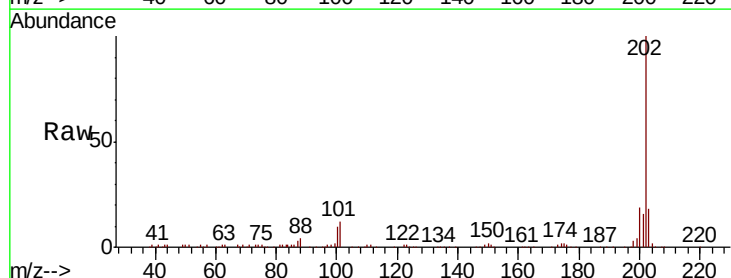
Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

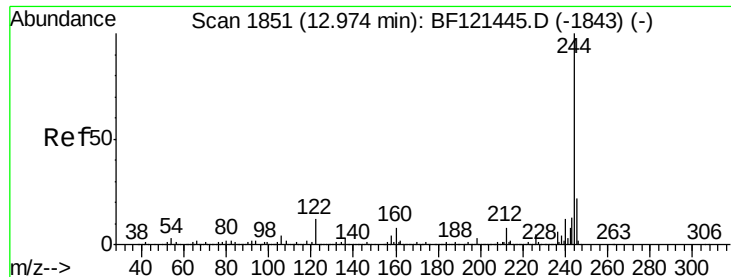
Tot Ion:240 Resp: 840142
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 26.0 21.8 32.6



#78
Pyrene
Concen: 2.394 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion:202 Resp: 143637
Ion Ratio Lower Upper
202 100
200 19.1 18.0 27.0
203 18.1 15.3 22.9





#79

Terphenyl-d14

Concen: 52.637 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

Instrument :

BNA_F

ClientSampleId :

789UMR-TP11-2430-01

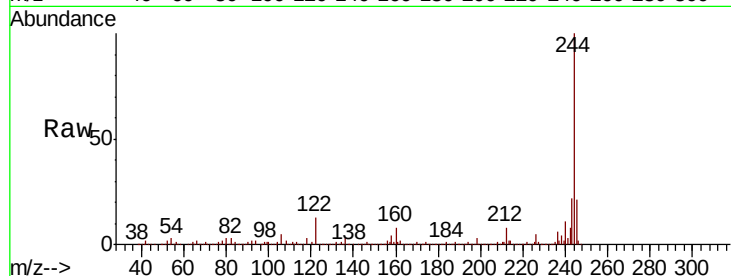
Tot Ion:244 Resp: 2100866

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

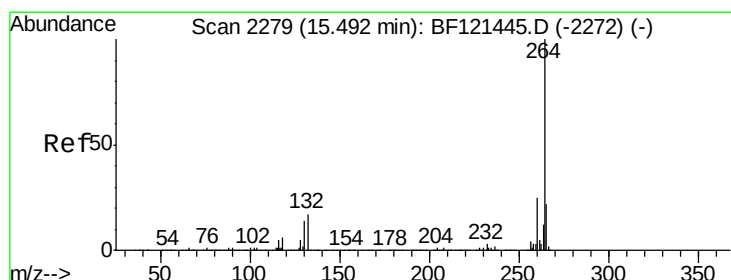
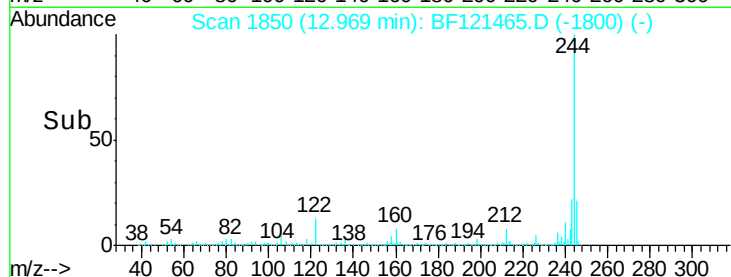
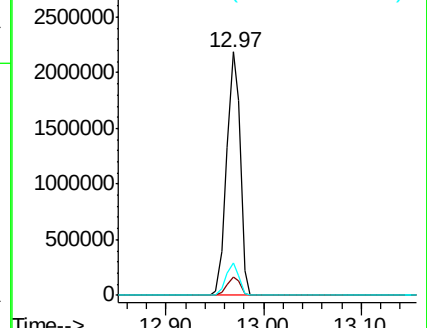
122 13.2 9.5 14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF121465.D

Acq: 28 Aug 2020 17:58

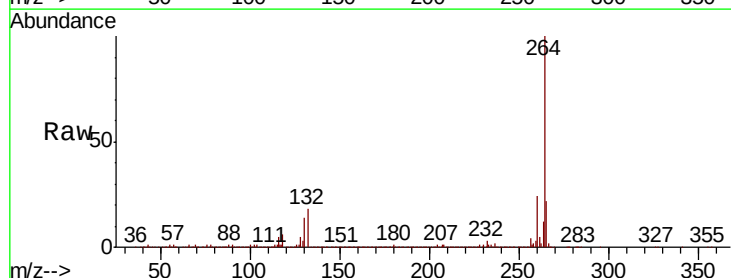
Tgt Ion:264 Resp: 732036

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

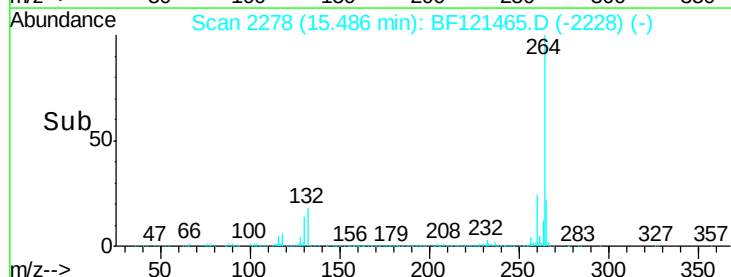
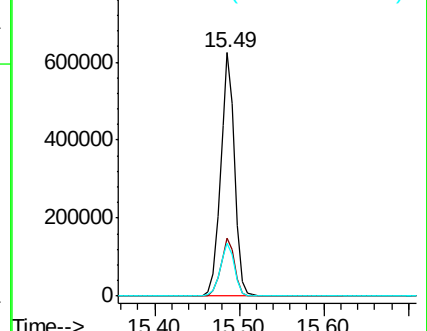
265 21.8 17.8 26.6

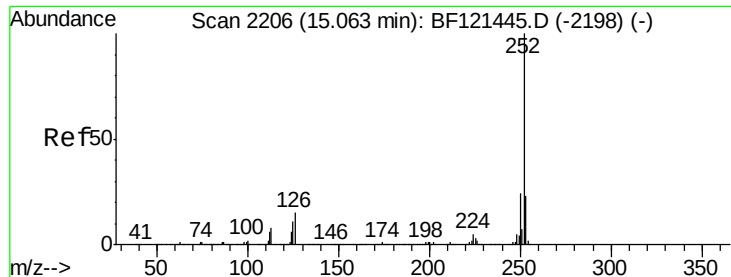


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

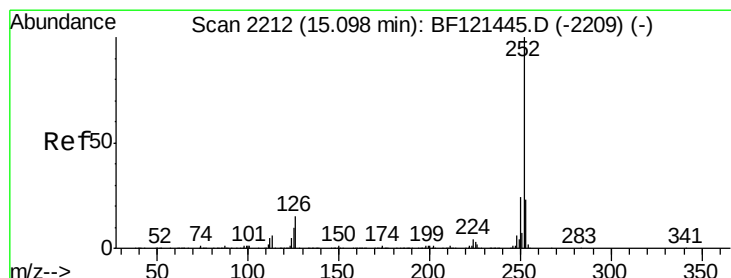
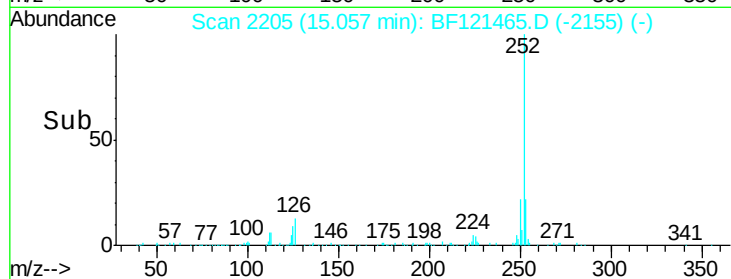
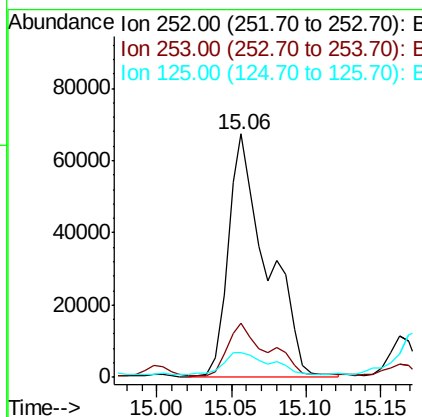
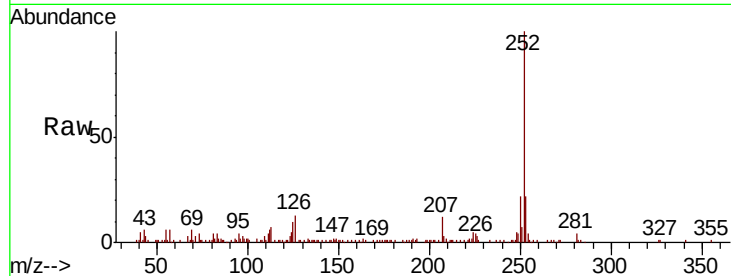




#88
Benzo(b)fluoranthene
Concen: 2.567 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Instrument :
BNA_F
ClientSampleId :
789UMR-TP11-2430-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.3	27.5
125	10.3	9.2	13.8



#89
Benzo(k)fluoranthene
Concen: 2.760 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF121465.D
Acq: 28 Aug 2020 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.3	27.5
125	10.3	8.5	12.7

