

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117905.D
 Acq On : 21 Nov 2019 12:06
 Operator : JU
 Sample : K5927-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Quant Time: Nov 21 15:16:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

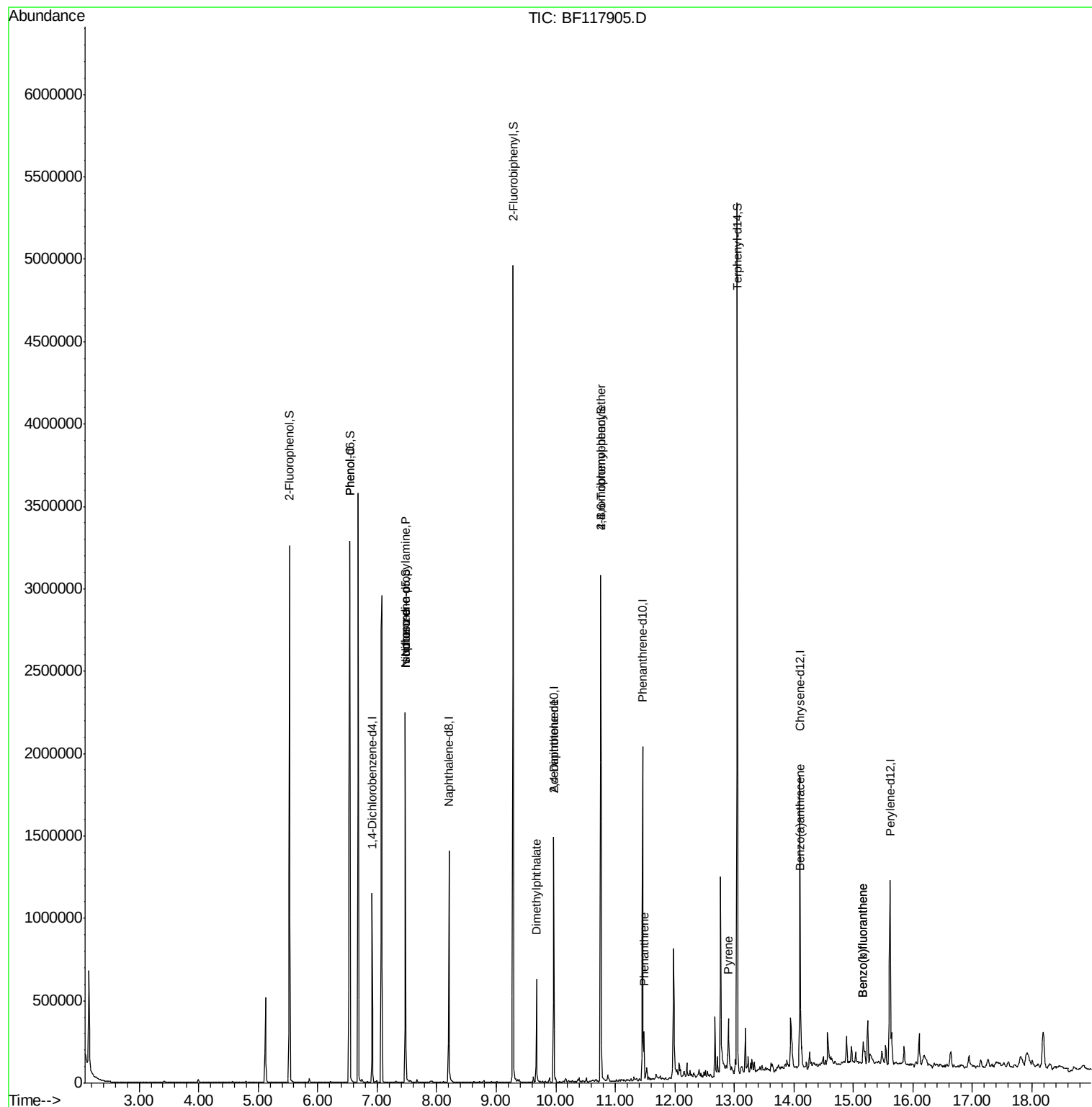
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	154576	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	616051	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	302694	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	677970	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	541713	20.00	ng	-0.01
87) Perylene-d12	15.62	264	524790	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	887908	101.68	ng	0.00
7) Phenol-d6	6.54	99	1146907	108.89	ng	0.00
23) Nitrobenzene-d5	7.47	82	703361	67.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	351388	109.65	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1424760	84.44	ng	-0.01
79) Terphenyl-d14	13.05	244	1777998	59.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	2163	Below Cal		Qvalue # 1
10) Phenol	6.55	94	28594	2.612	ng	79
19) n-Nitroso-di-n-propylamine	7.47	70	95854	14.751	ng	# 75
25) Isophorone	7.47	82	700307	36.869	ng	# 62
50) Dimethylphthalate	9.67	163	248548	11.709	ng	97
57) 2,4-Dinitrotoluene	9.96	165	39276	6.656	ng	# 25
67) 4-Bromophenyl-phenylether	10.76	248	22317	3.051	ng	# 1
71) Phenanthrene	11.48	178	94144	2.762	ng	96
75) Fluoranthene	12.67	202	122011	Below Cal		98
78) Pyrene	12.90	202	127213	2.906	ng	97
81) Benzo(a)anthracene	14.09	228	77560	2.167	ng	99
88) Benzo(b)fluoranthene	15.16	252	99074	2.906	ng	# 95
89) Benzo(k)fluoranthene	15.16	252	99074	3.084	ng	# 93

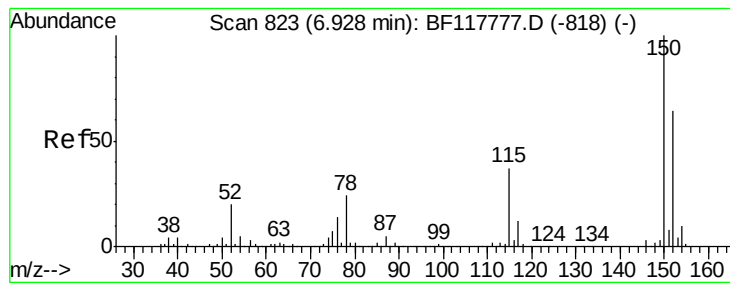
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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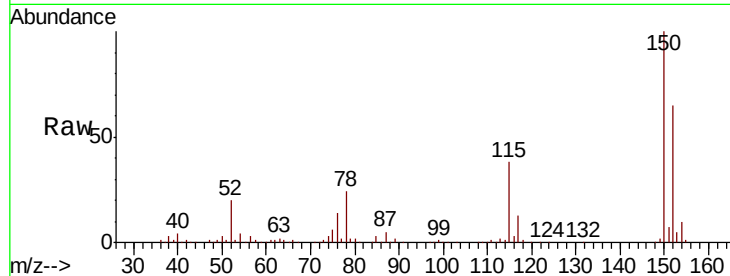


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.3	187.9
115	58.7	47.0	70.4

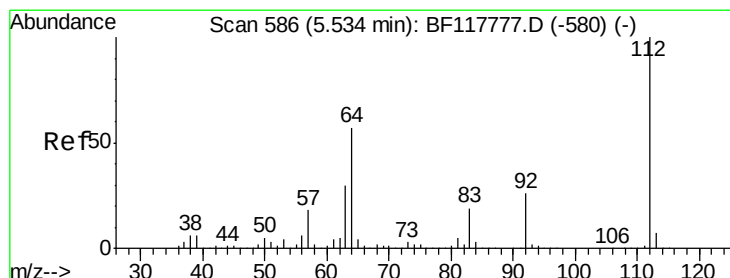
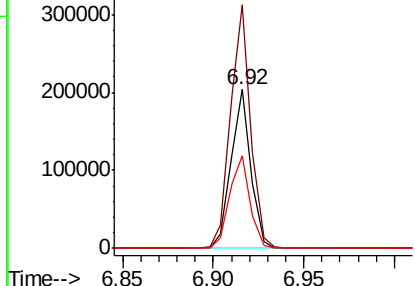
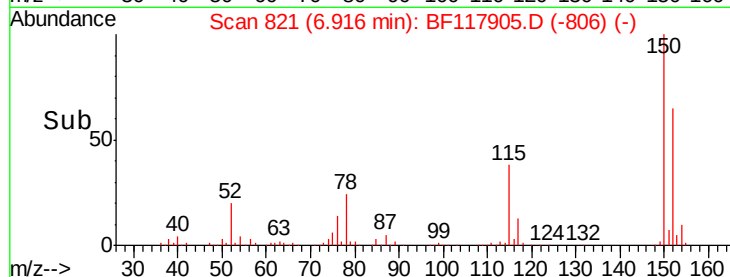


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

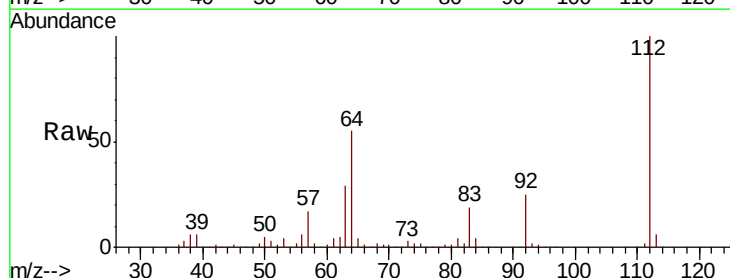
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 101.678 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.6	68.4
63	29.5	24.1	36.1

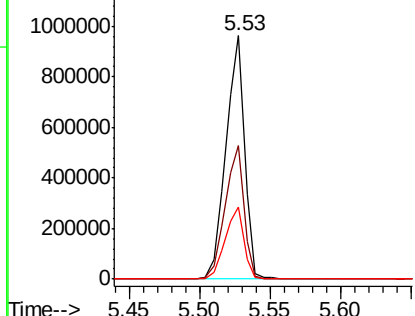
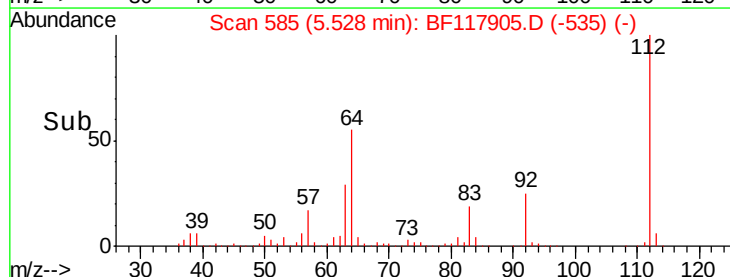


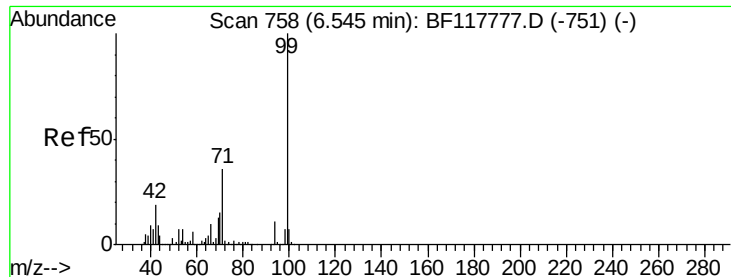
Abundance

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: 108.888 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

Instrument :

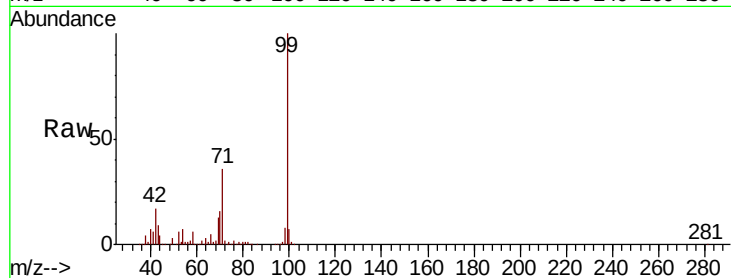
BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1146907

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.9	22.3
71	36.2	28.6	43.0

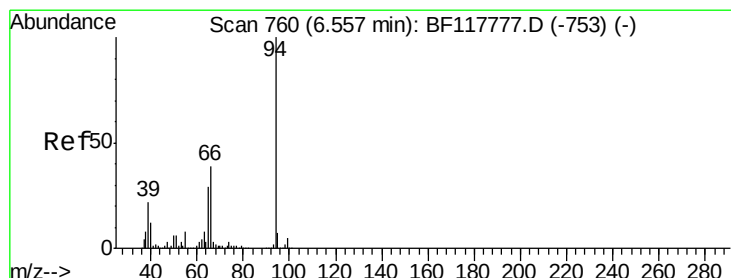
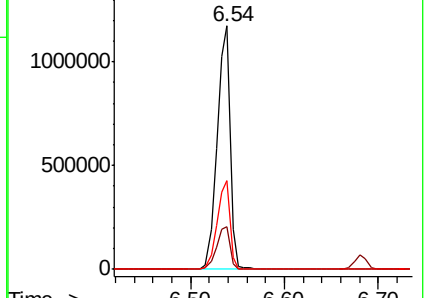
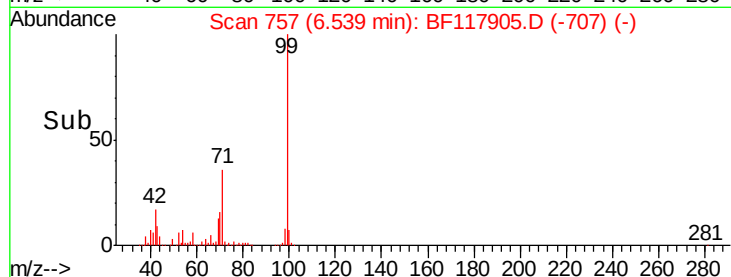


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.612 ng

RT: 6.55 min Scan# 758

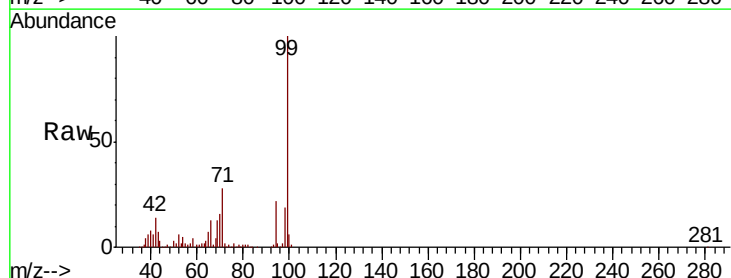
Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

Tgt Ion: 94 Resp: 28594

Ion	Ratio	Lower	Upper
94	100		
65	33.7	8.9	48.9
66	57.0	18.7	58.7

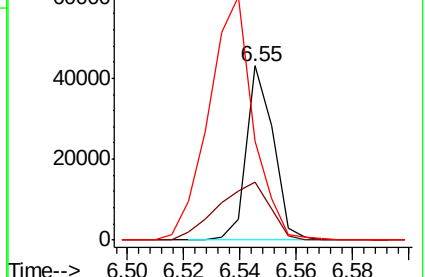
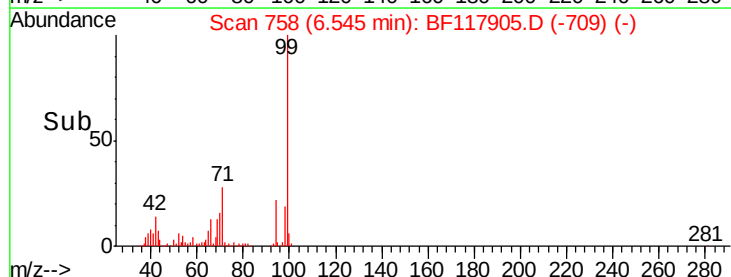


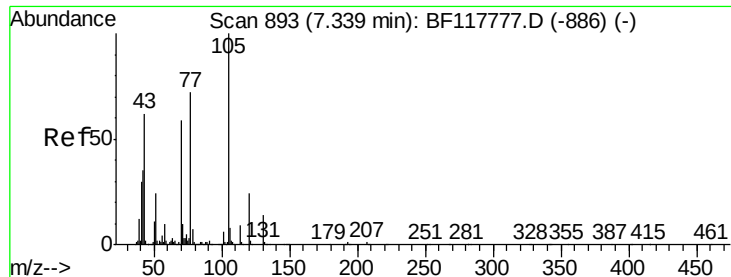
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

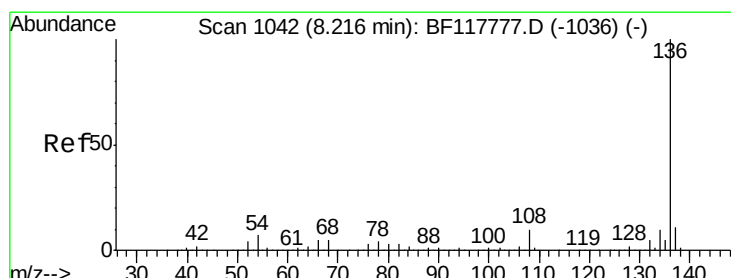
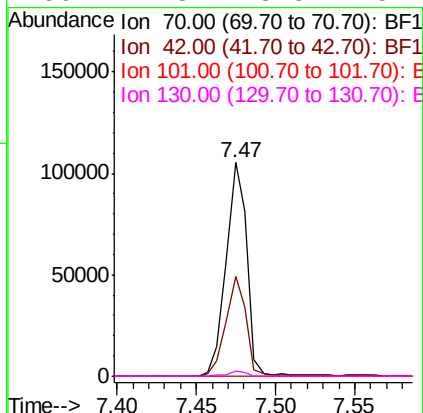
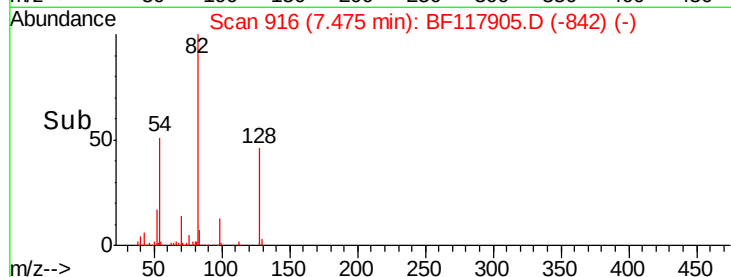
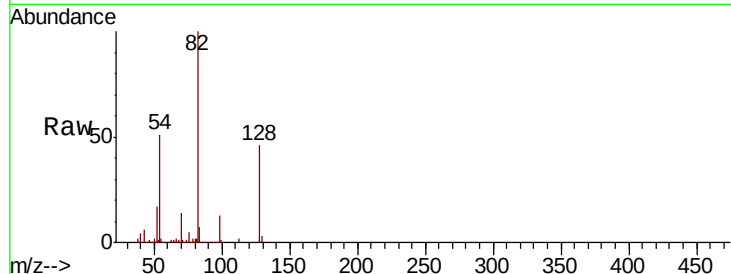




#19
n-Nitroso-di-n-propylamine
Concen: 14.751 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

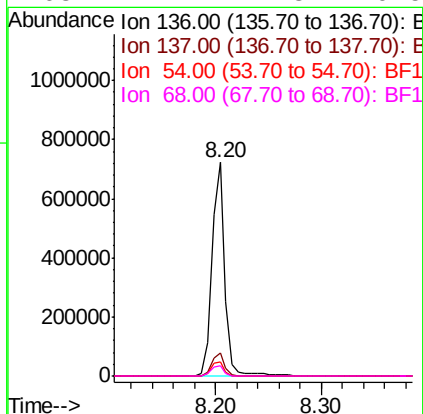
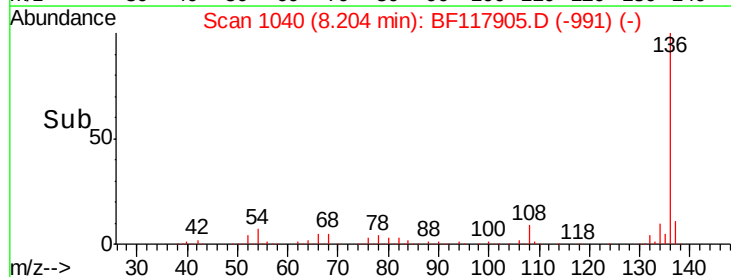
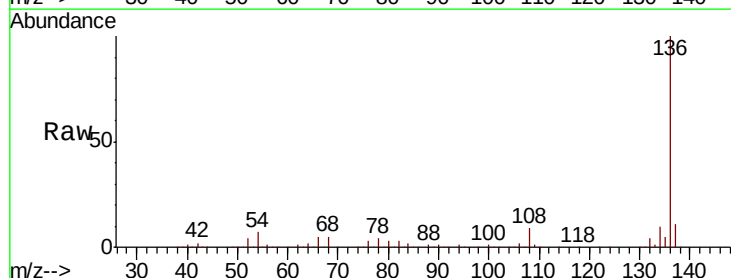
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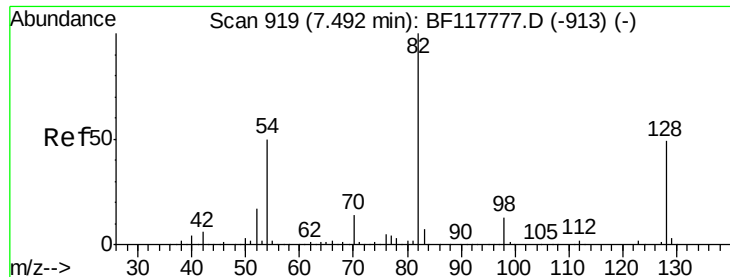
Tot Ion: 70 Resp: 95854
Ion Ratio Lower Upper
70 100
42 46.7 47.4 71.2#
101 0.0 8.4 12.6#
130 2.3 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion: 136 Resp: 616051
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 6.7 5.4 8.2
68 4.7 4.3 6.5

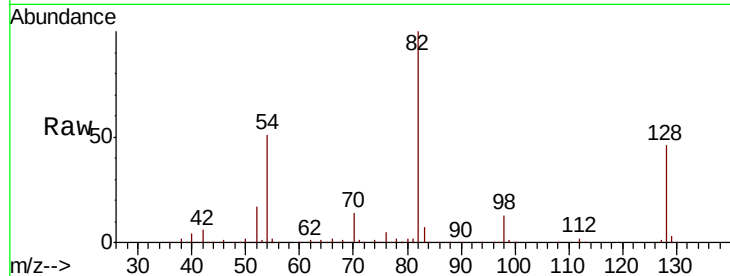




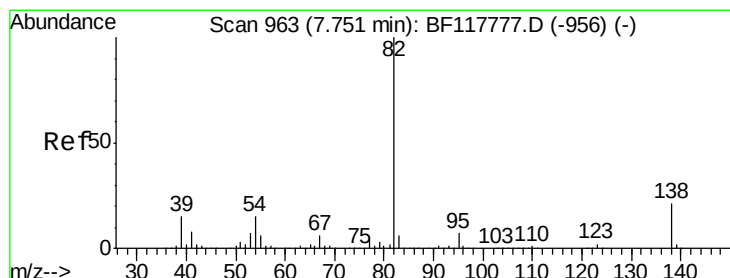
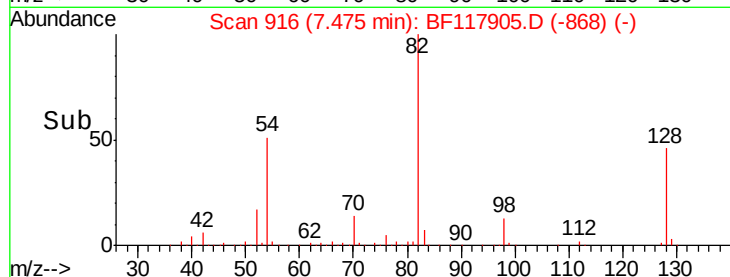
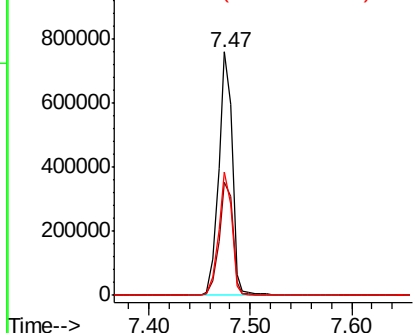
#23
Nitrobenzene-d5
Concen: 67.871 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion: 82 Resp: 703361
Ion Ratio Lower Upper
82 100
128 46.5 38.9 58.3
54 50.6 39.8 59.6

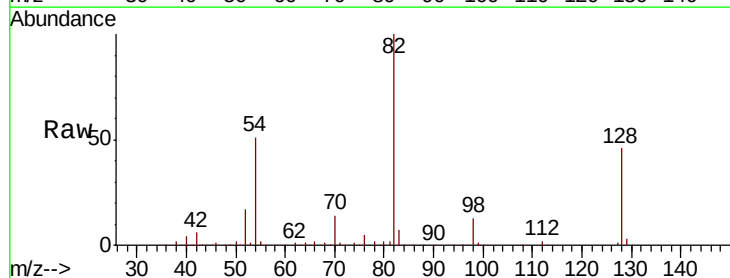


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

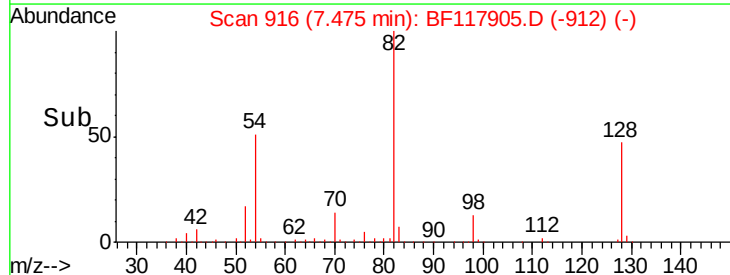
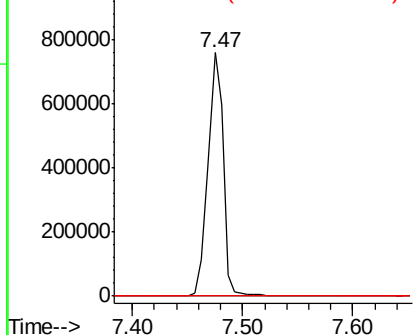


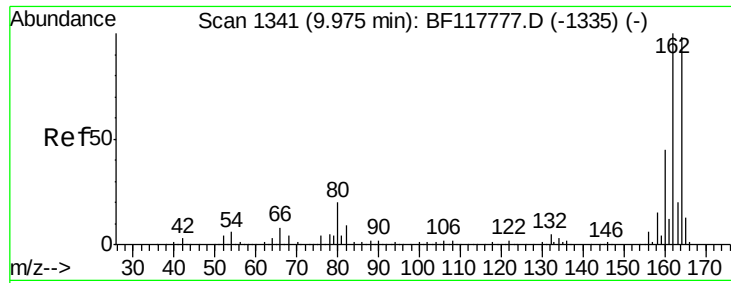
#25
Isophorone
Concen: 36.869 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion: 82 Resp: 700307
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



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

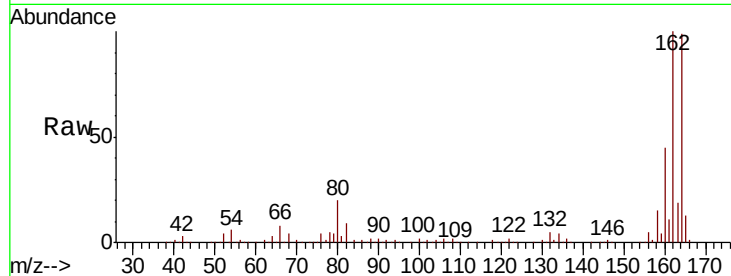




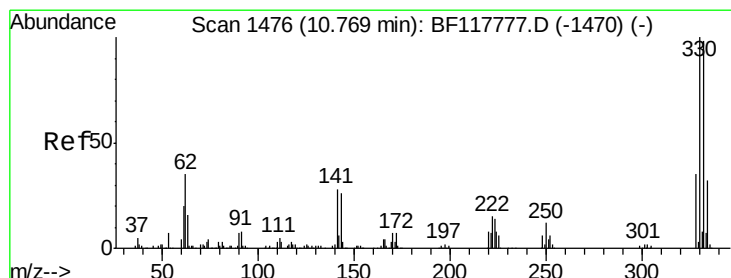
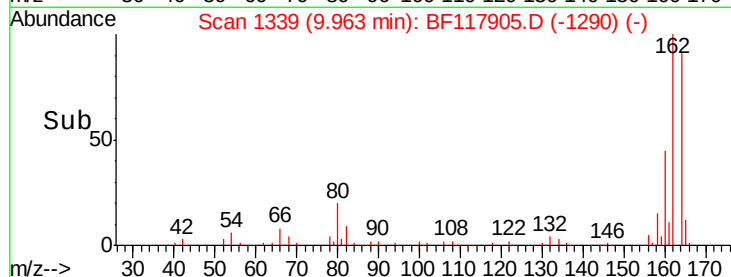
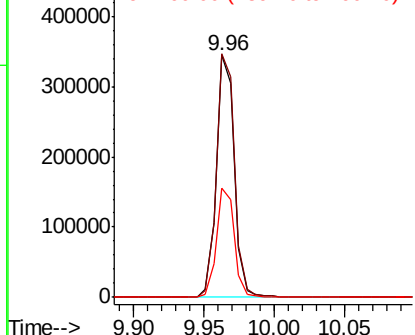
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion:164 Resp: 302694
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 45.1 36.6 55.0

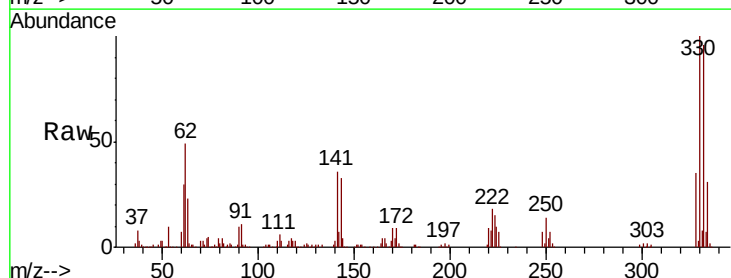


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

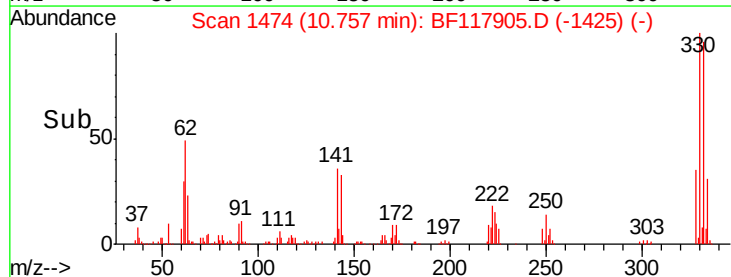
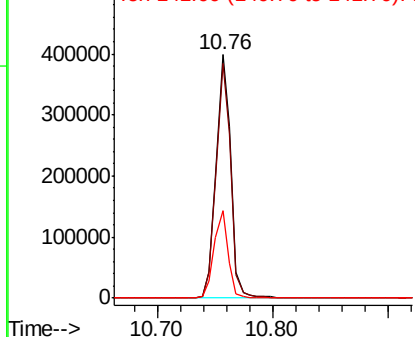


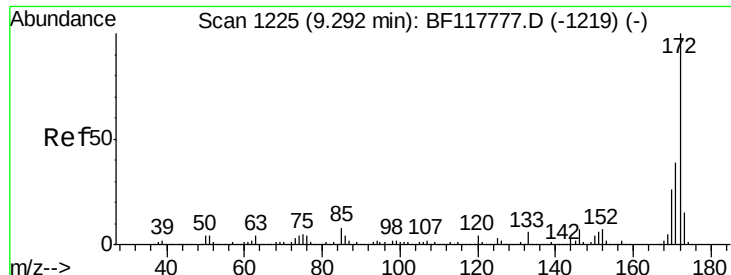
#42
2,4,6-Tribromophenol
Concen: 109.652 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion:330 Resp: 351388
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 35.0 27.7 41.5



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

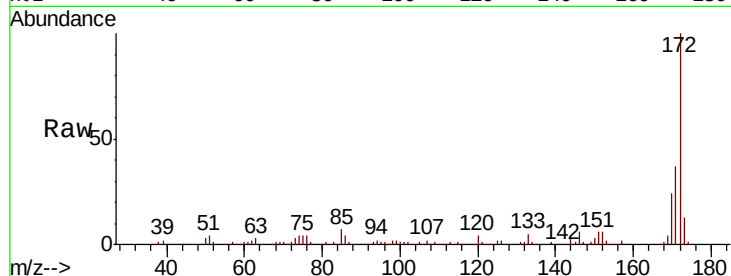




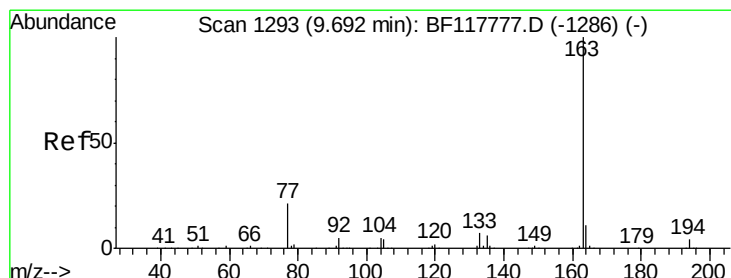
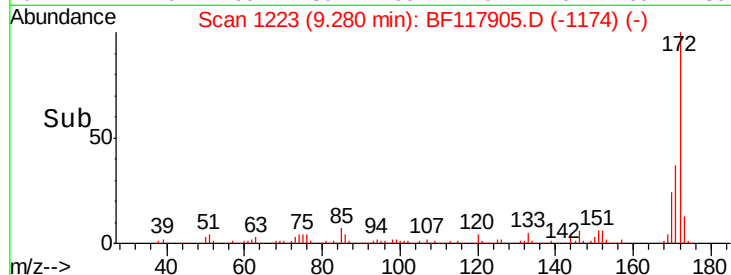
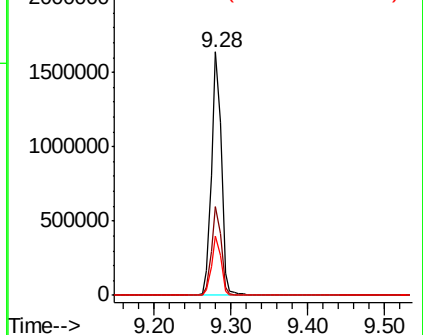
#45
2-Fluorobiphenyl
Concen: 84.444 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion:172 Resp: 1424760
Ion Ratio Lower Upper
172 100
171 36.7 30.9 46.3
170 24.3 21.0 31.4

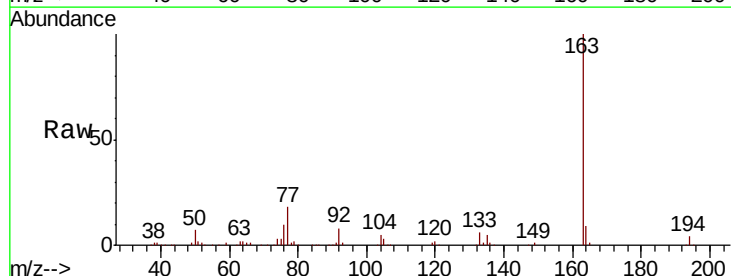


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

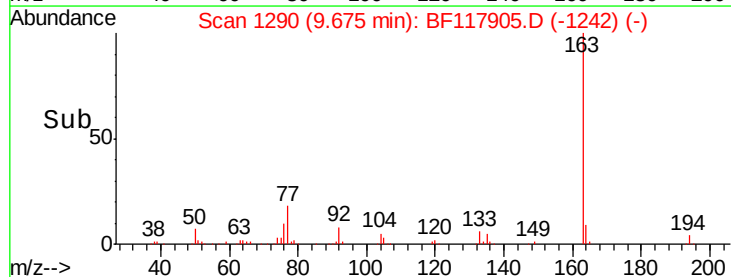
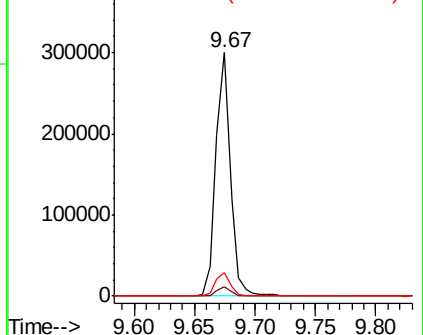


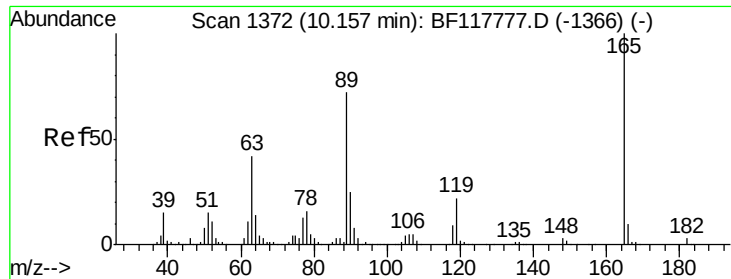
#50
Dimethylphthalate
Concen: 11.709 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion:163 Resp: 248548
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.5 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

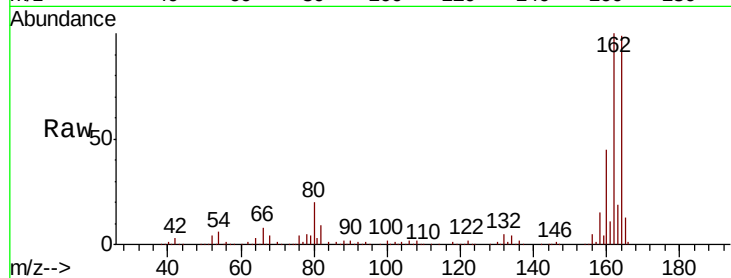




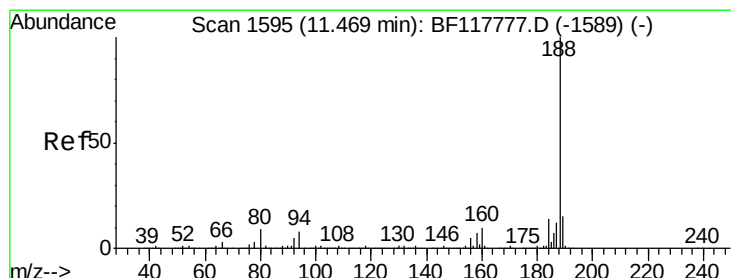
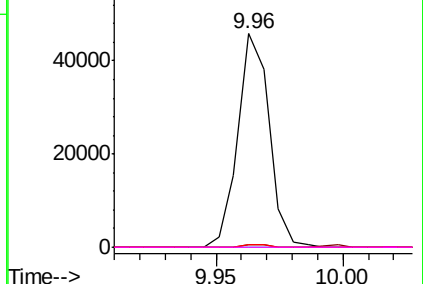
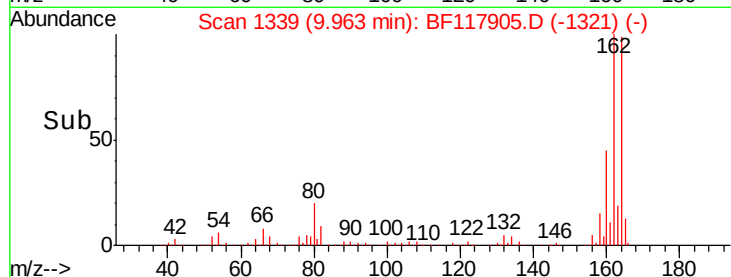
#57
 2,4-Dinitrotoluene
 Concen: 6.656 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion:165	Resp: 39276
Ion Ratio	Lower Upper
165 100	
63 1.1	33.7 50.5#
89 1.4	57.3 85.9#
182 0.0	2.3 3.5#

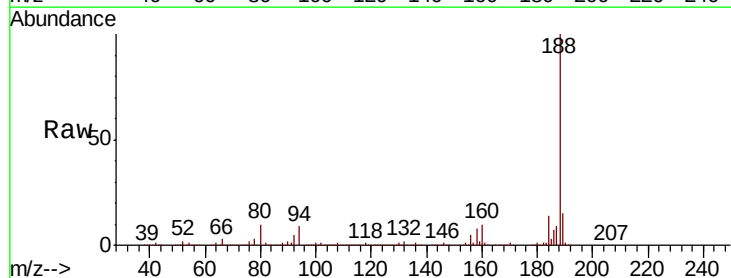


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

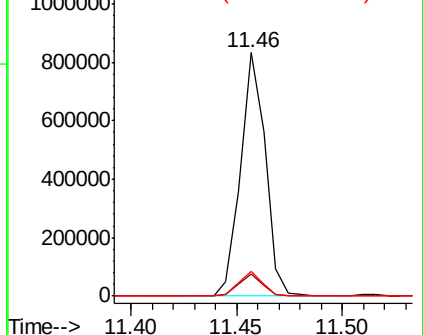
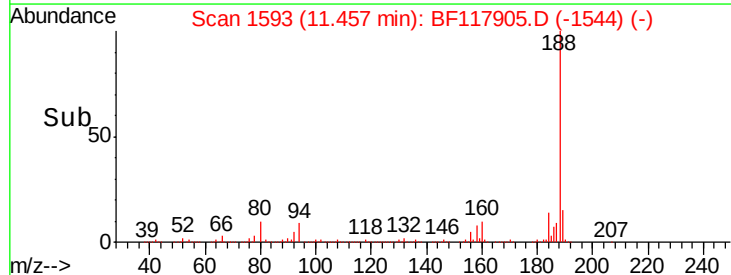


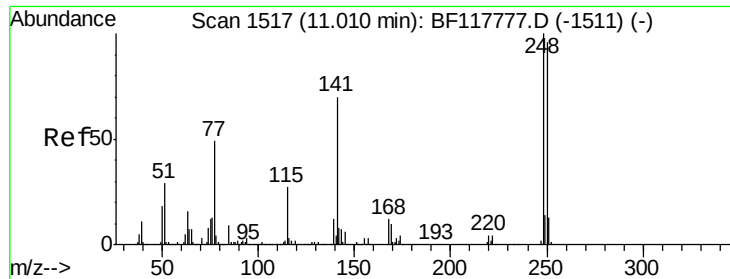
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Tgt Ion:188	Resp: 677970
Ion Ratio	Lower Upper
188 100	
94 8.9	6.6 10.0
80 10.4	7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

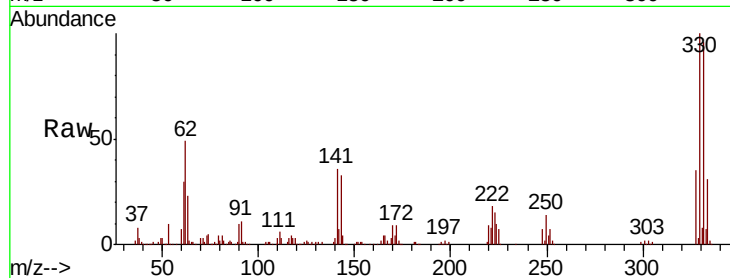




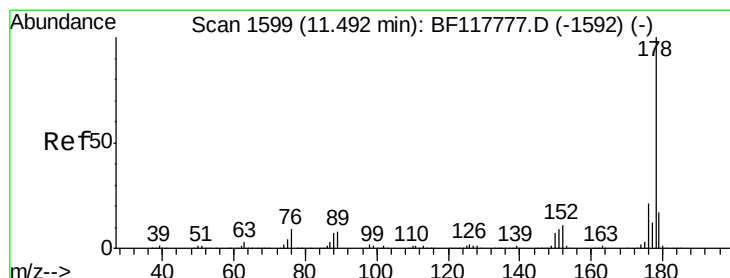
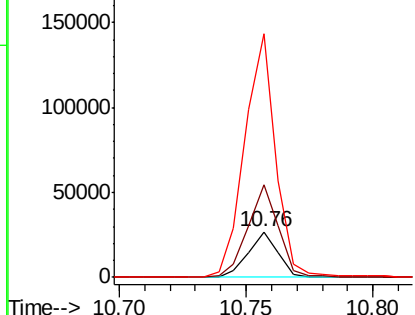
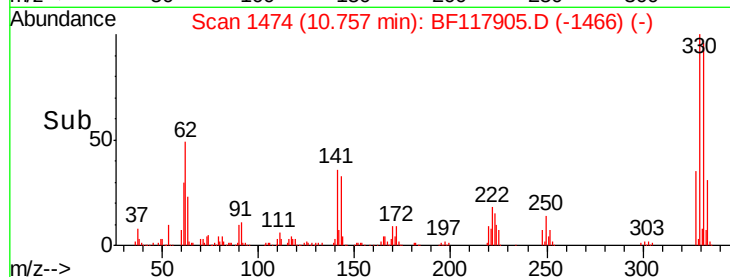
#67
 4-Bromophenyl-phenylether
 Concen: 3.051 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampled :
 B-3

Tot Ion:248 Resp: 22317
 Ion Ratio Lower Upper
 248 100
 250 203.3 76.6 115.0#
 141 538.2 55.9 83.9#

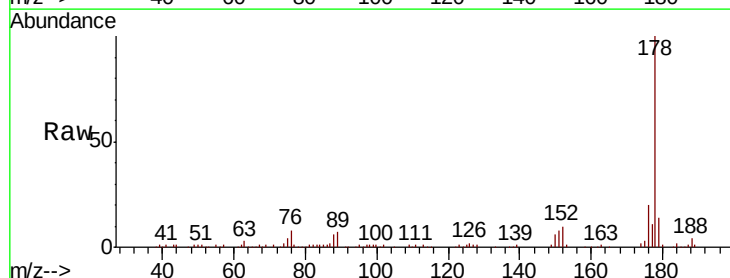


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

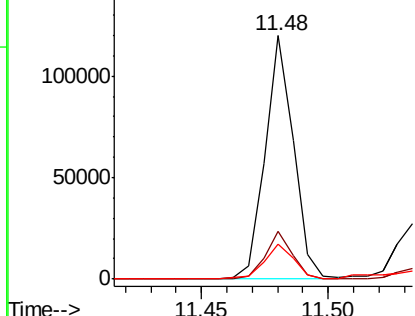
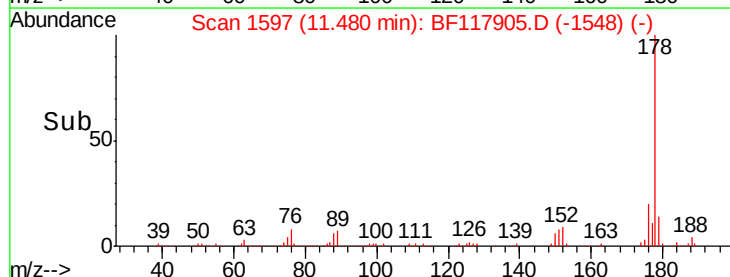


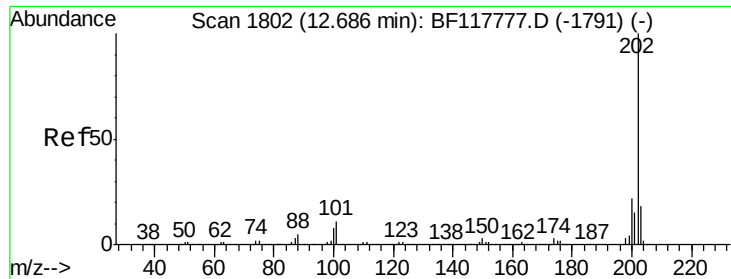
#71
 Phenanthrene
 Concen: 2.762 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF117905.D
 Acq: 21 Nov 2019 12:06

Tgt Ion:178 Resp: 94144
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.6 25.0
 179 14.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

Instrument :

BNA_F

ClientSampleId :

B-3

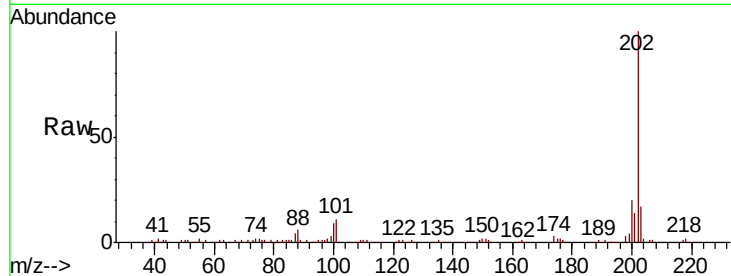
Tot Ion:202 Resp: 122011

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.1

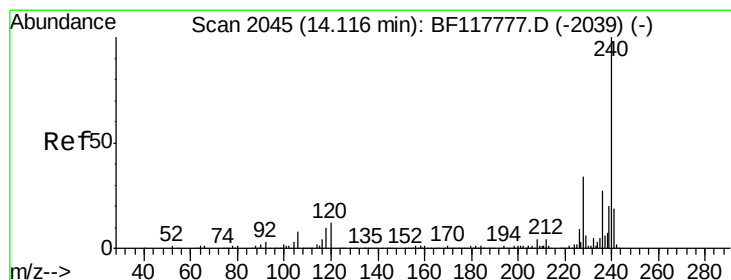
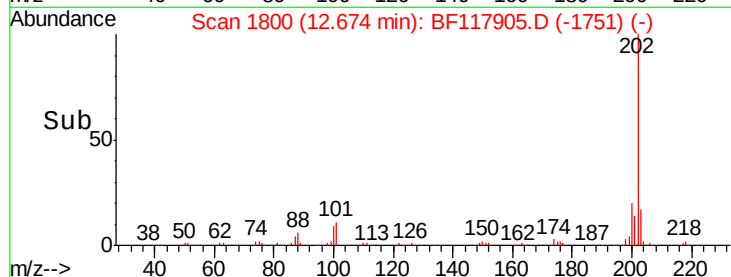
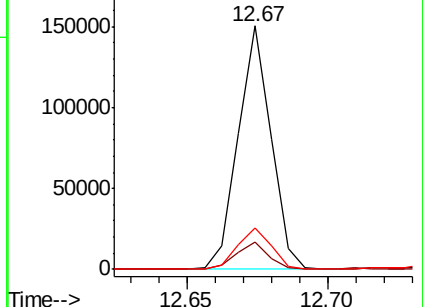
203 17.0 0.0 38.2



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: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

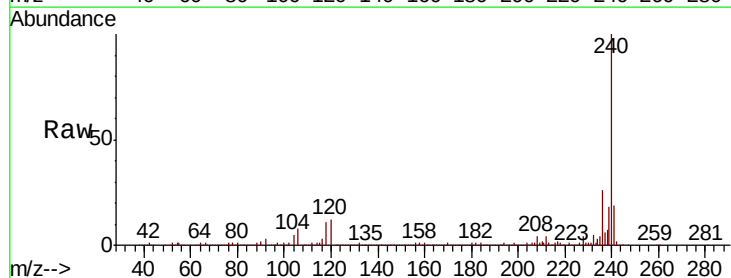
Tgt Ion:240 Resp: 541713

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

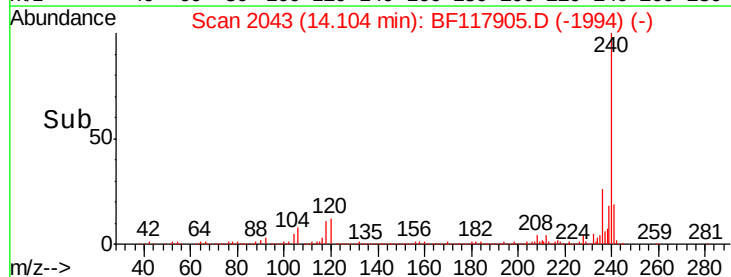
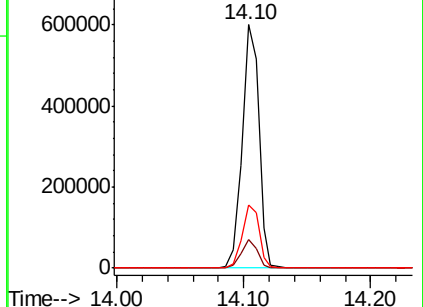
236 25.9 21.3 31.9

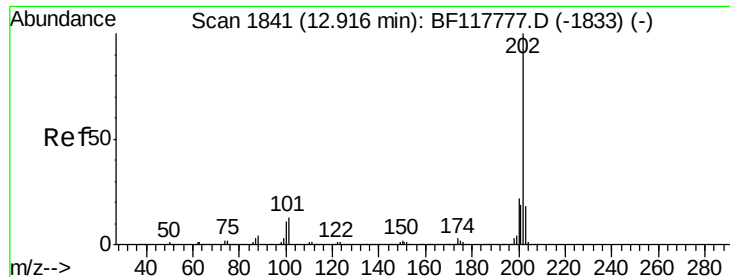


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

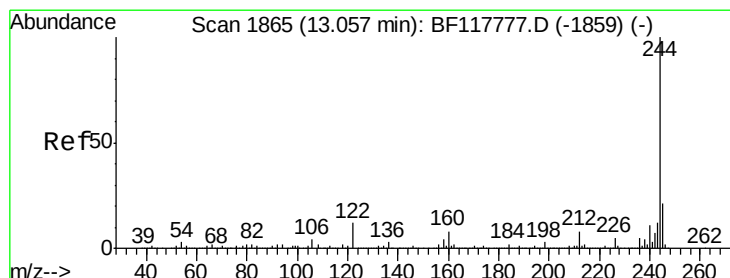
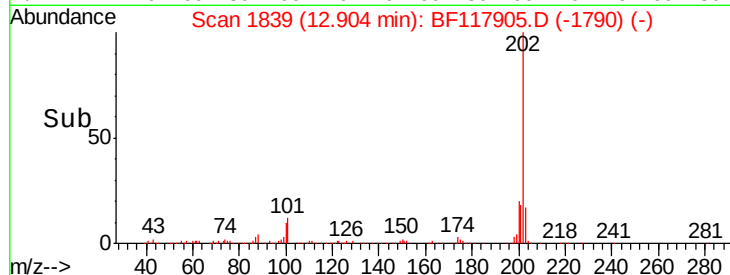
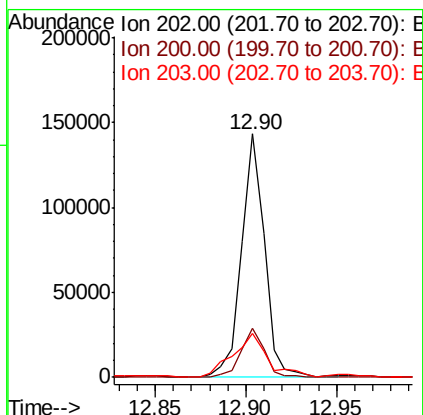
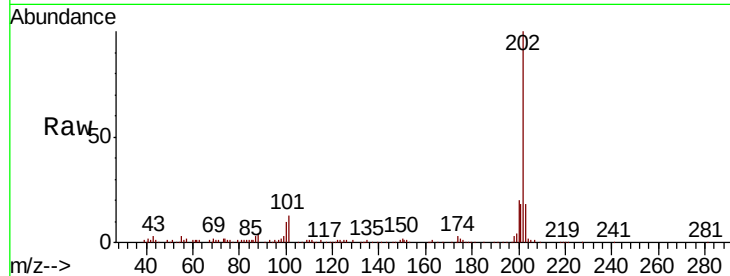




#78
Pvrene
Concen: 2.906 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

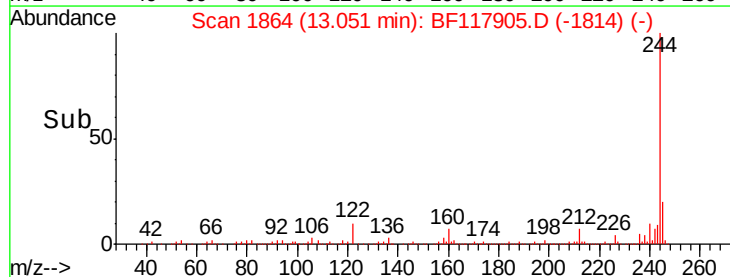
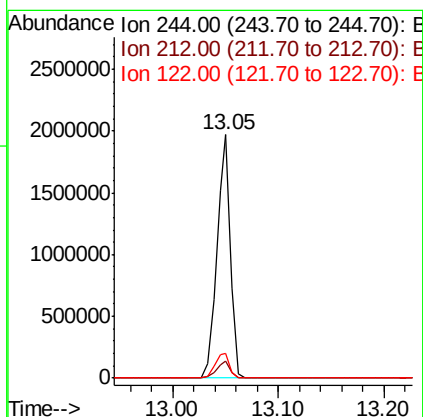
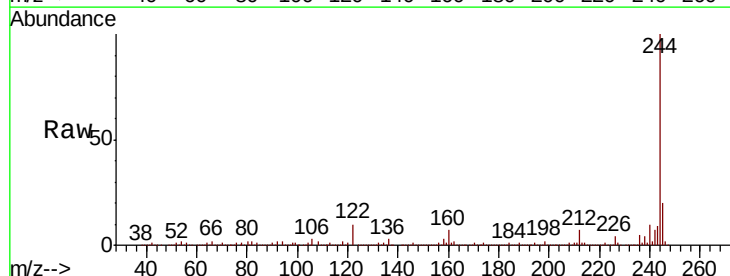
Instrument :
BNA_F
ClientSampleId :
B-3

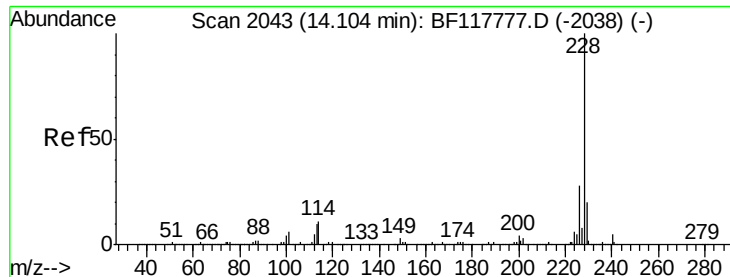
Tot Ion:202 Resp: 127213
Ion Ratio Lower Upper
202 100
200 20.1 17.8 26.8
203 17.9 14.6 22.0



#79
Terphenyl-d14
Concen: 59.985 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion:244 Resp: 1777998
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 10.4 9.4 14.2





#81

Benzo(a)anthracene

Concen: 2.167 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

Instrument :

BNA_F

ClientSampleId :

B-3

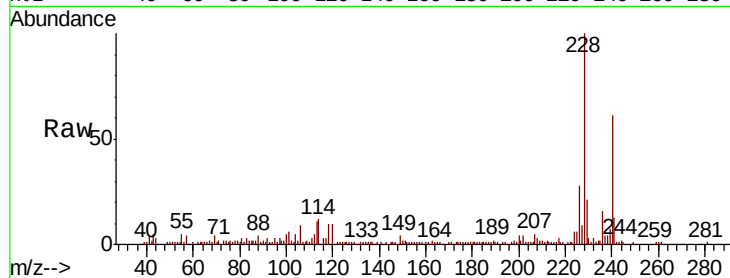
Tot Ion:228 Resp: 77560

Ion Ratio Lower Upper

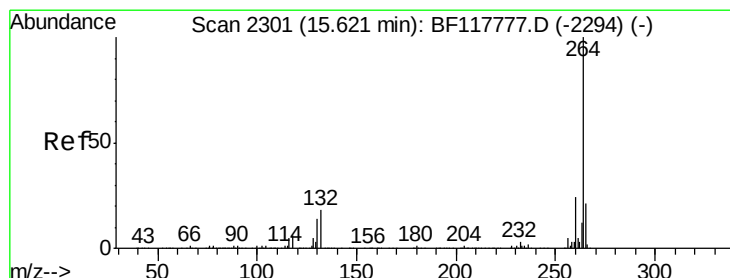
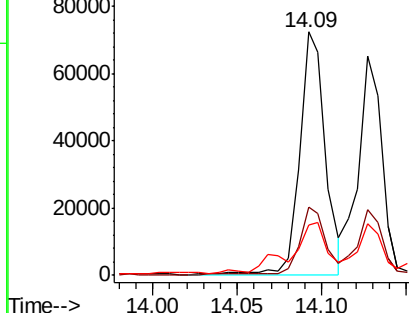
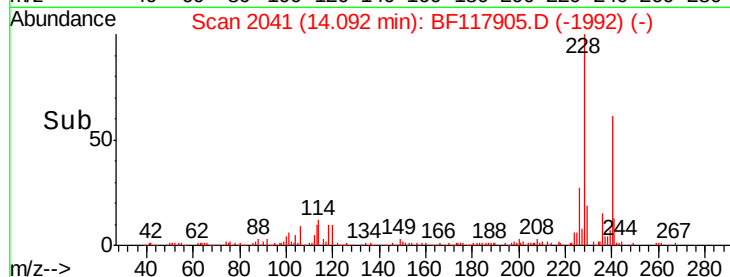
228 100

226 27.8 22.2 33.2

229 20.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117905.D

Acq: 21 Nov 2019 12:06

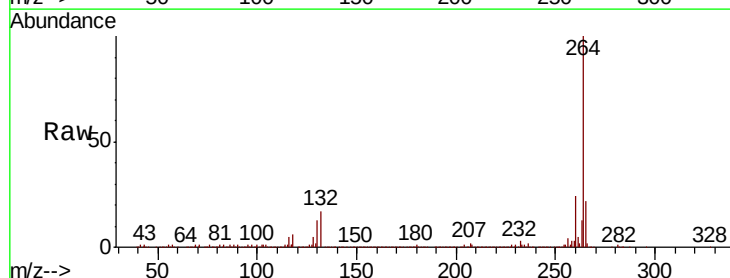
Tgt Ion:264 Resp: 524790

Ion Ratio Lower Upper

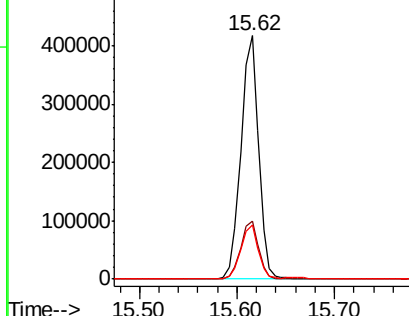
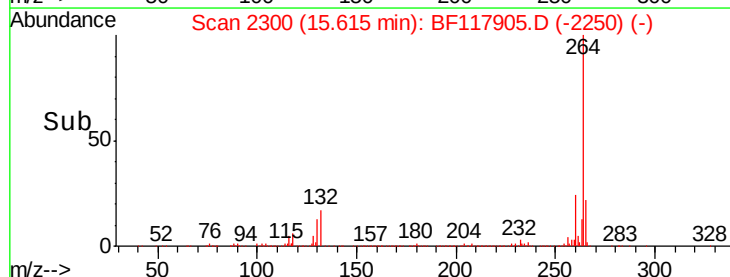
264 100

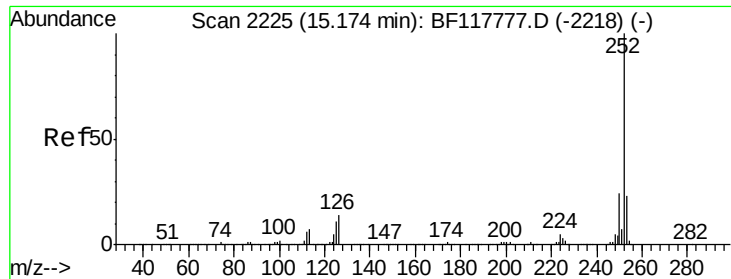
260 23.8 19.4 29.0

265 22.0 17.1 25.7



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

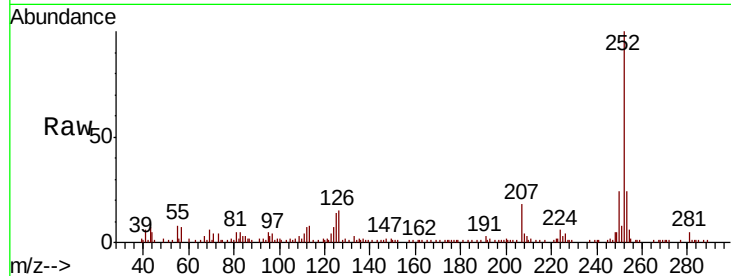




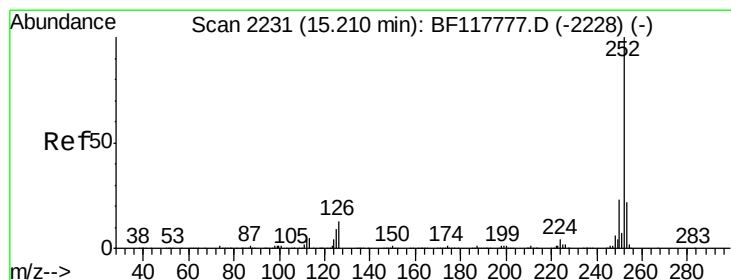
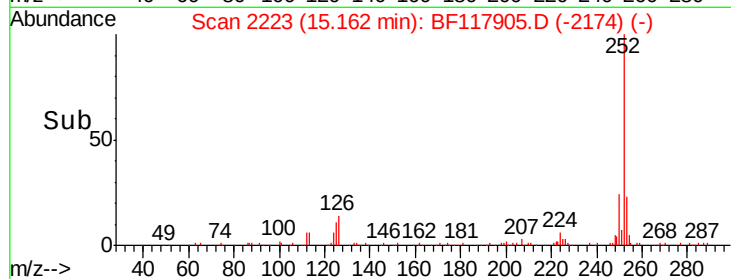
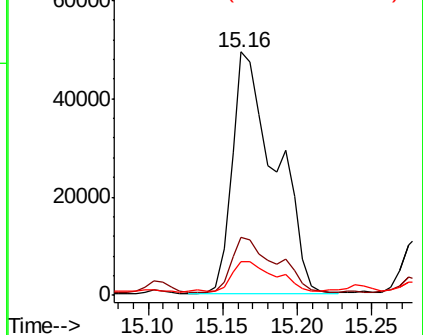
#88
Benzo(b)fluoranthene
Concen: 2.906 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	13.9	8.6	13.0#

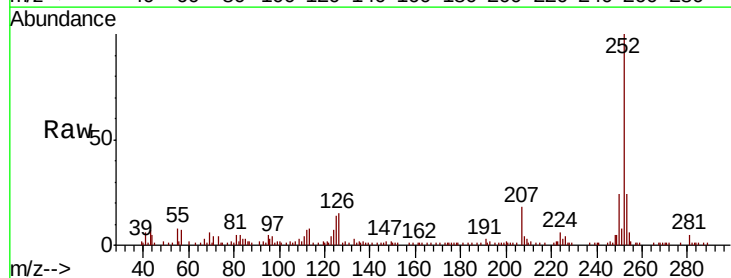


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.084 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117905.D
Acq: 21 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	13.9	7.9	11.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

