

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117244.D
 Acq On : 25 Sep 2019 17:04
 Operator : JU
 Sample : K5021-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:29:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	40332	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	162218	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	84891	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	132355	20.00	ng	0.00
76) Chrysene-d12	13.97	240	73112	20.00	ng	0.00
87) Perylene-d12	15.43	264	67765	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	210908	81.64	ng	0.00
7) Phenol-d6	6.46	99	295213	88.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	185040	59.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	59580	83.98	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	308362	56.80	ng	0.00
79) Terphenyl-d14	12.92	244	242625	62.03	ng	0.00

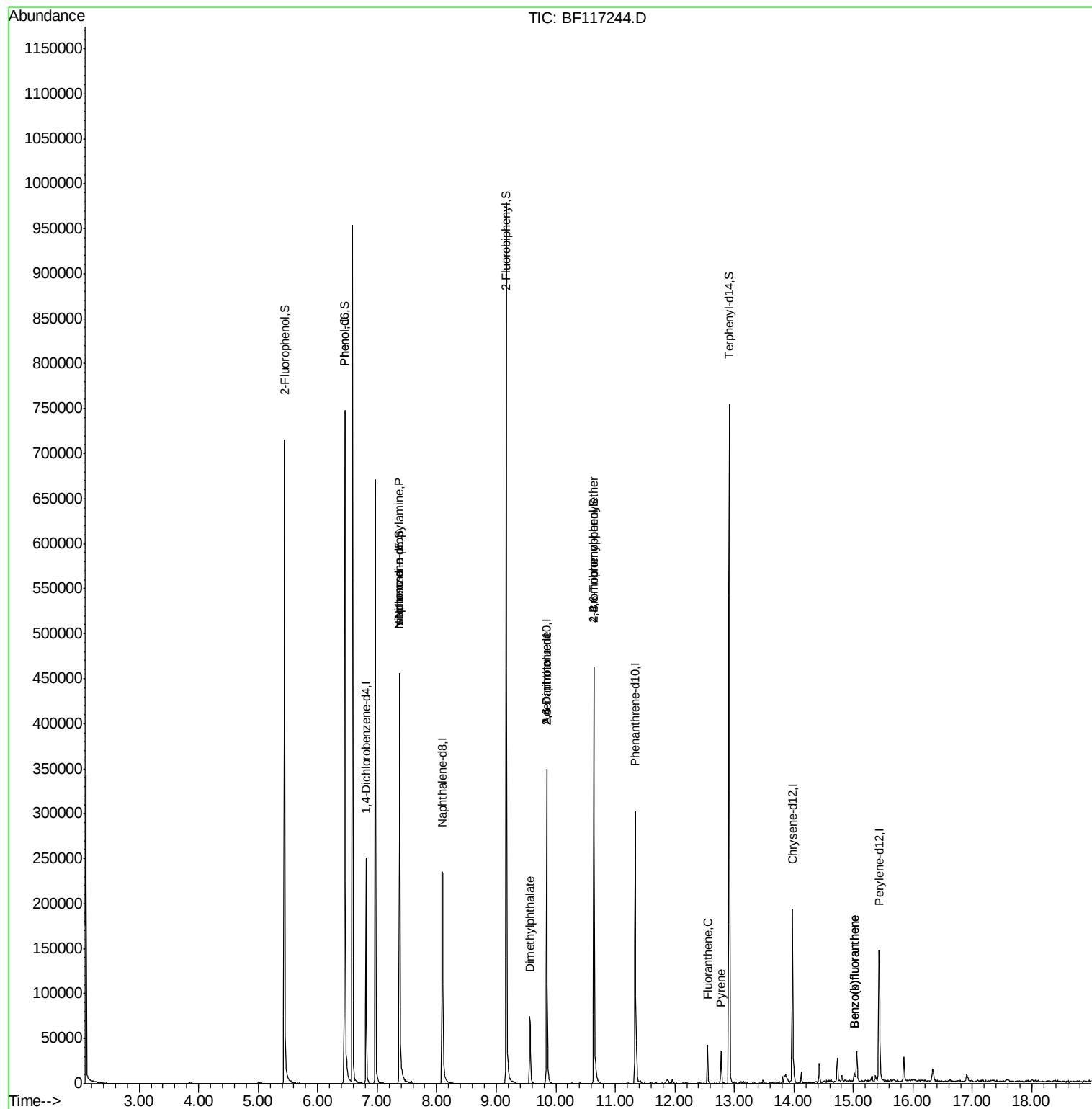
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	5958	Below Cal		# 75
10) Phenol	6.46	94	10190	2.769	ng	# 68
19) n-Nitroso-di-n-propylamine	7.37	70	24073	11.841	ng	# 79
25) Isophorone	7.37	82	185039	33.850	ng	# 66
50) Dimethylphthalate	9.56	163	42143	7.011	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	10734	8.768	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	10734	6.755	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	3502	2.591	ng	# 1
75) Fluoranthene	12.55	202	21062	2.727	ng	# 95
78) Pyrene	12.78	202	18197	2.966	ng	# 99
88) Benzo(b)fluoranthene	15.01	252	9618	2.343	ng	# 95
89) Benzo(k)fluoranthene	15.01	252	9618	2.474	ng	# 95

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

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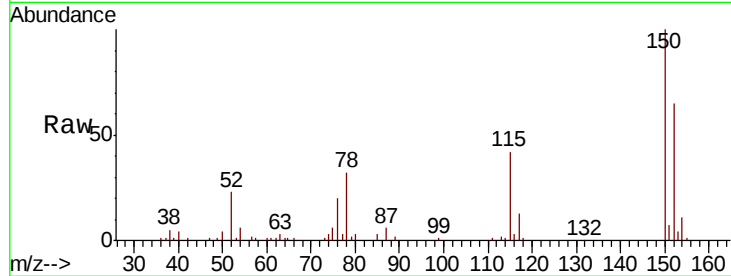


#1

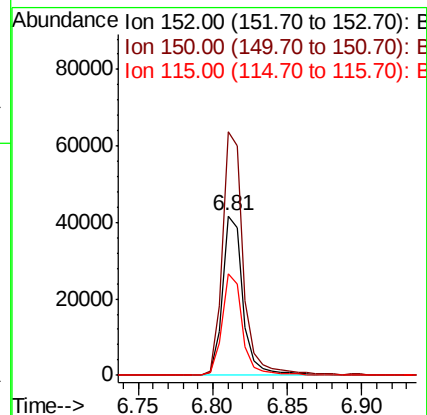
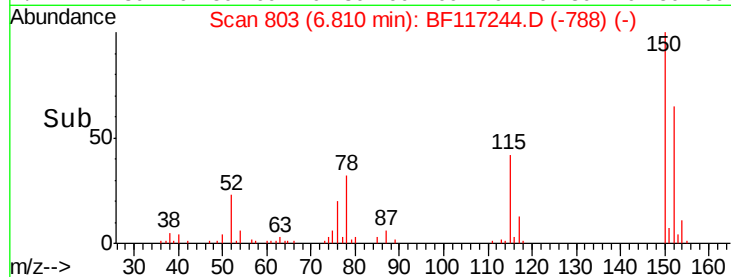
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40332
Ion Ratio Lower Upper
152 100
150 152.9 127.5 191.3
115 64.0 55.0 82.4



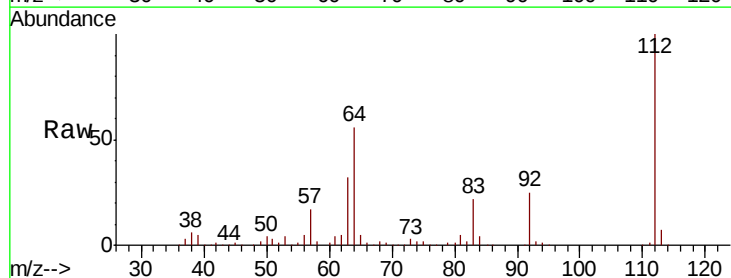
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



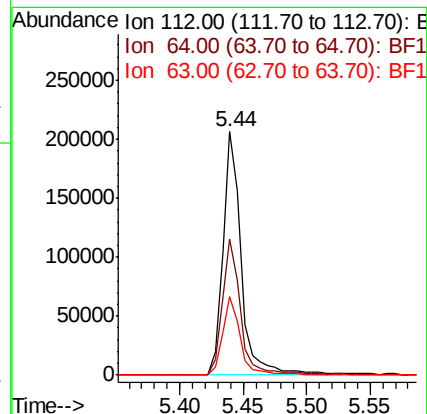
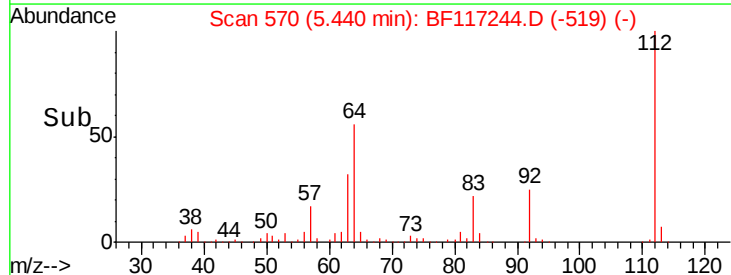
#5

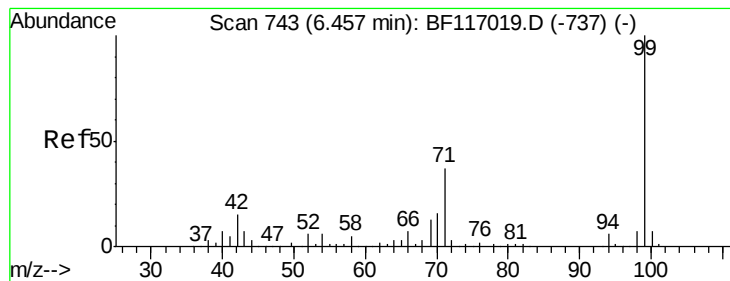
2-Fluorophenol
Concen: 81.642 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Tgt Ion:112 Resp: 210908
Ion Ratio Lower Upper
112 100
64 55.7 45.7 68.5
63 32.1 24.9 37.3



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: 88.425 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

Instrument :

BNA_F

ClientSampleId :

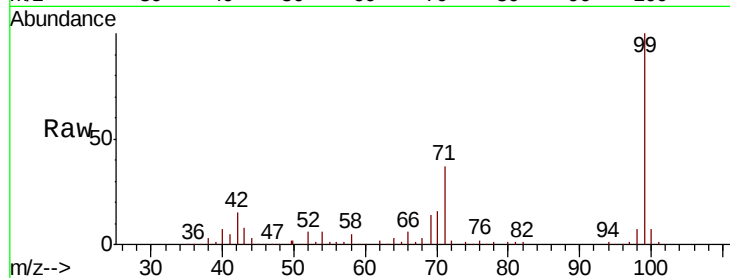
Tot Ion: 99 Resp: 295213

Ion Ratio Lower Upper

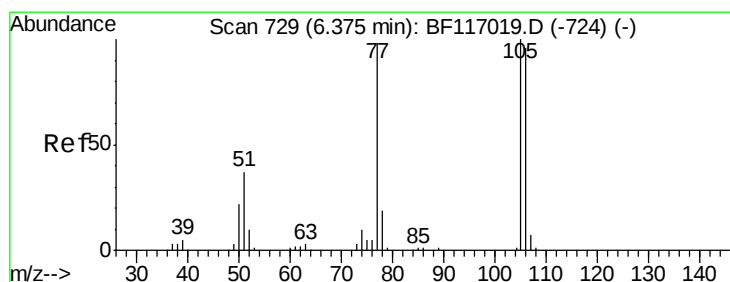
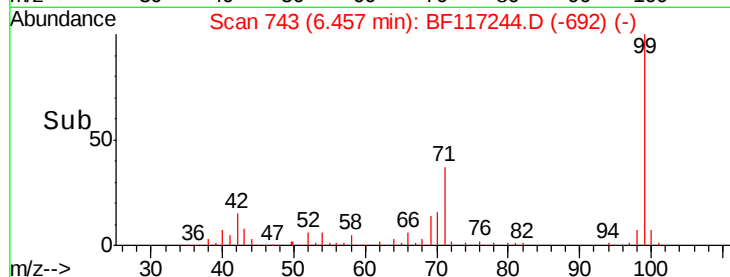
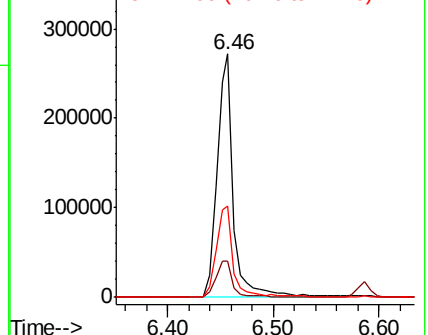
99 100

42 15.1 12.2 18.2

71 37.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

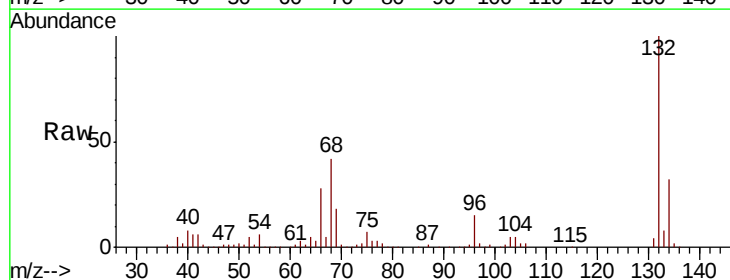
Tgt Ion: 77 Resp: 5958

Ion Ratio Lower Upper

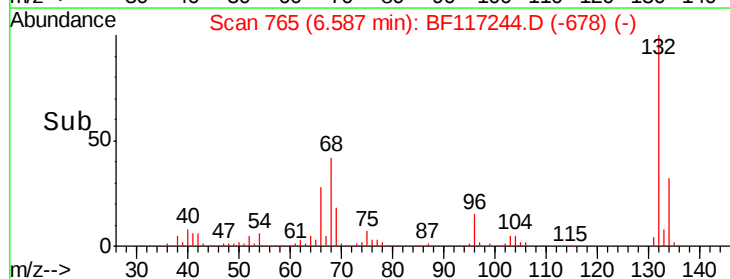
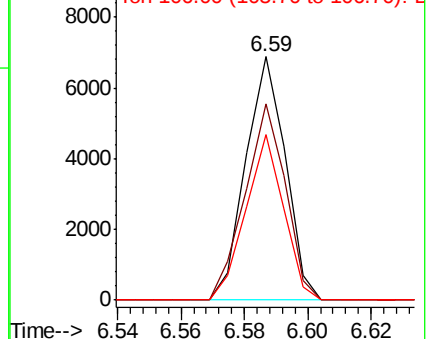
77 100

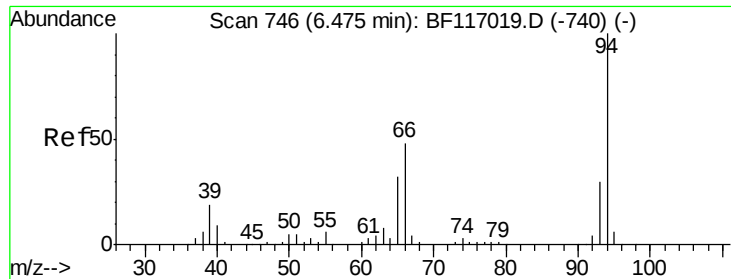
105 80.4 81.8 121.8#

106 67.9 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

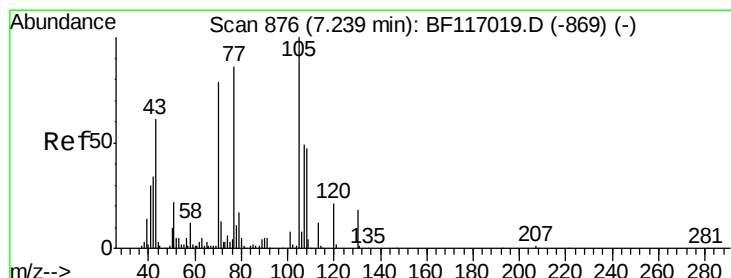
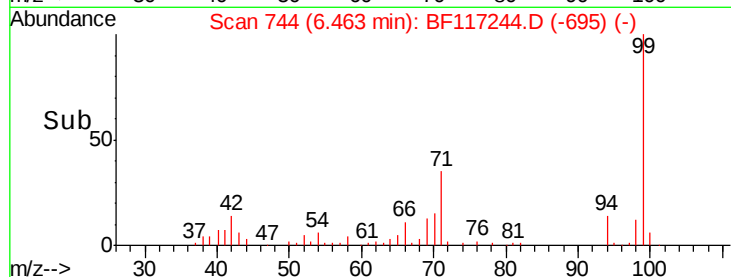
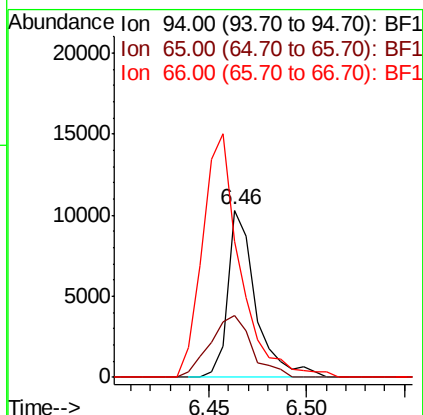
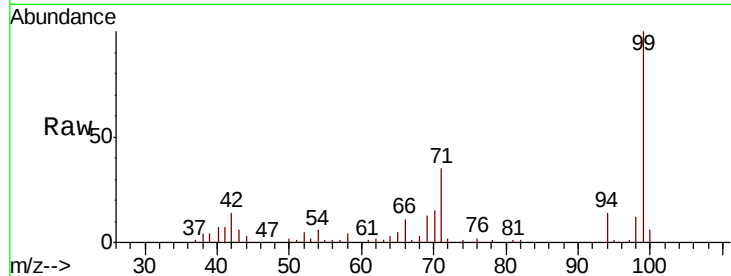




#10
Phenol
Concen: 2.769 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

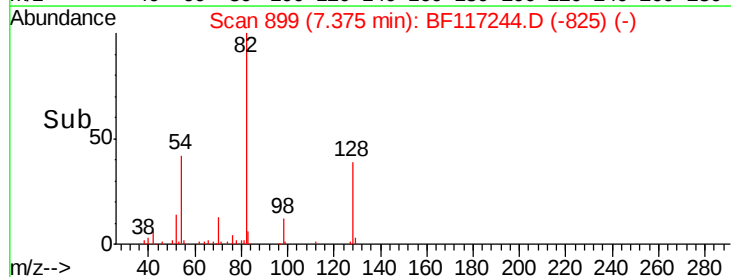
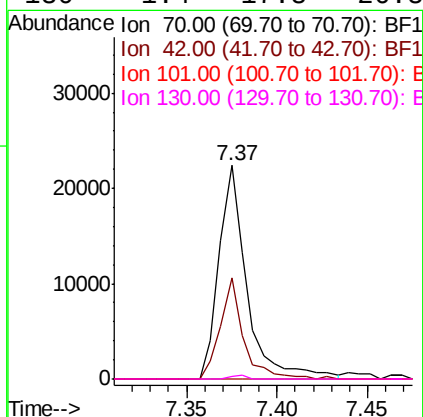
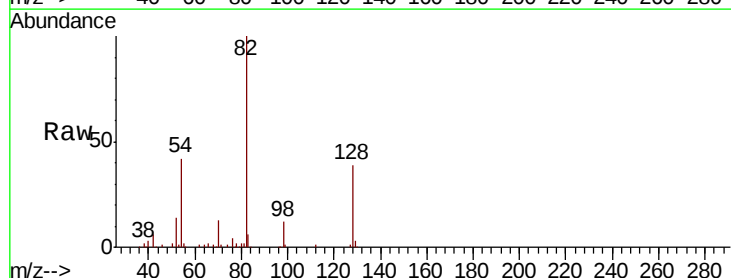
Instrument :
BNA_F
ClientSampleId :

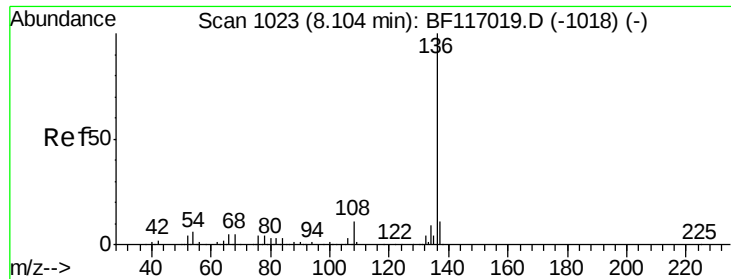
Tot Ion: 94 Resp: 10190
Ion Ratio Lower Upper
94 100
65 36.9 12.5 52.5
66 81.1 28.9 68.9#



#19
n-Nitroso-di-n-propylamine
Concen: 11.841 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Tgt Ion: 70 Resp: 24073
Ion Ratio Lower Upper
70 100
42 47.1 34.0 51.0
101 0.0 7.8 11.6#
130 1.4 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 162218

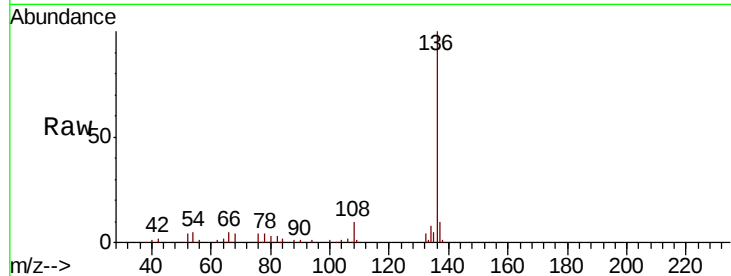
Ion Ratio Lower Upper

136 100

137 9.9 9.0 13.4

54 5.3 4.5 6.7

68 4.0 4.0 6.0

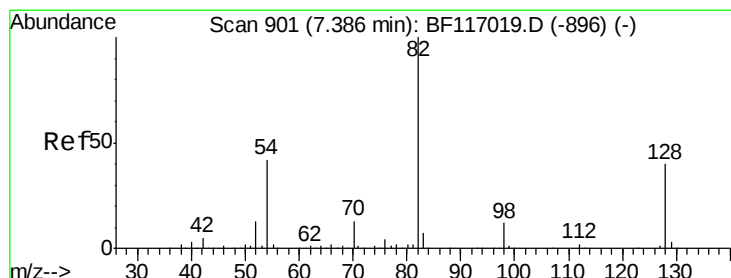
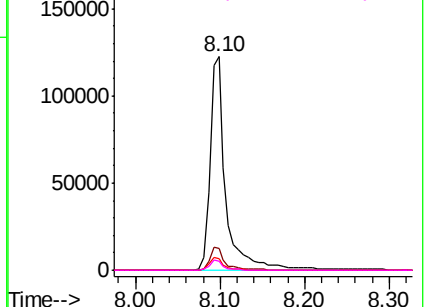
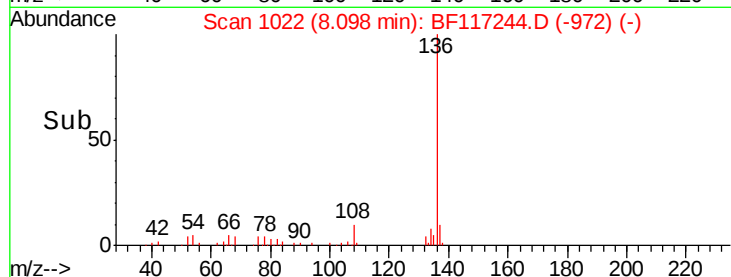


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.934 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

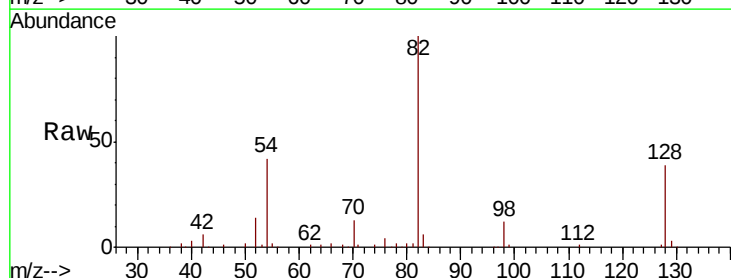
Tgt Ion: 82 Resp: 185040

Ion Ratio Lower Upper

82 100

128 38.5 32.3 48.5

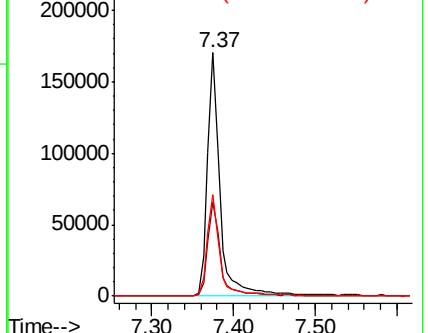
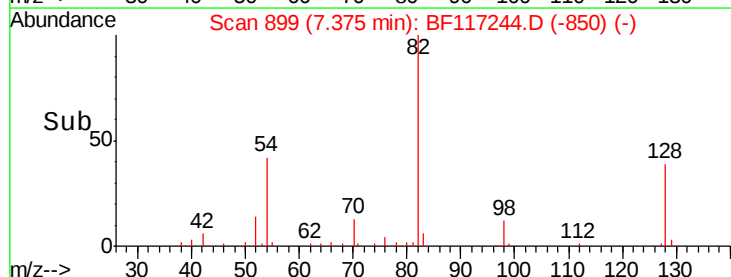
54 41.6 33.3 49.9

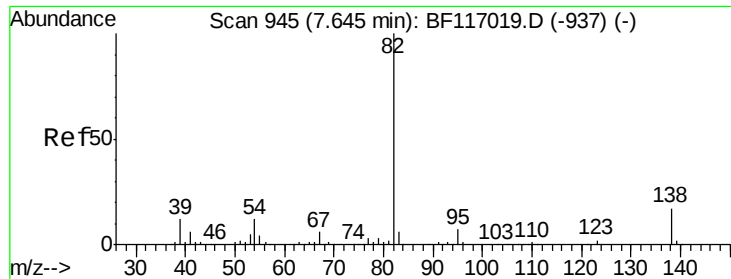


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.850 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

Instrument :

BNA_F

ClientSampleId :

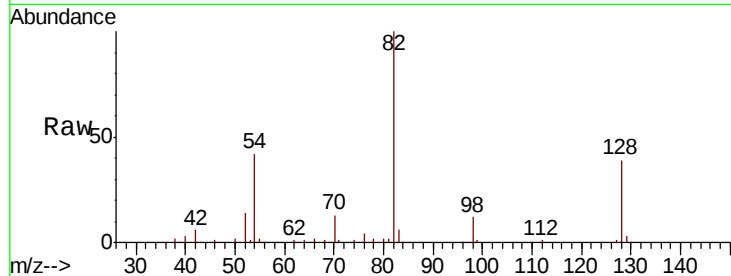
Tot Ion: 82 Resp: 185039

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF117019.D (-937) (-)

Ion 95.00 (94.70 to 95.70): BF117019.D (-937) (-)

Ion 138.00 (137.70 to 138.70): BF117019.D (-937) (-)

7.37

200000

150000

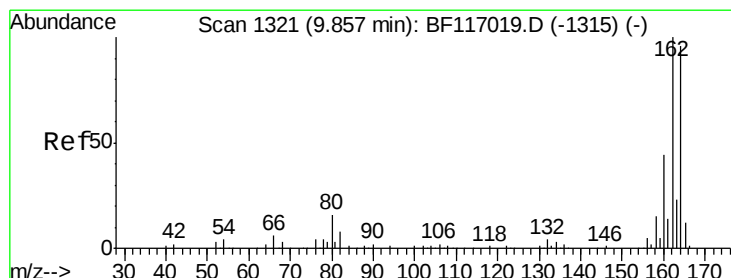
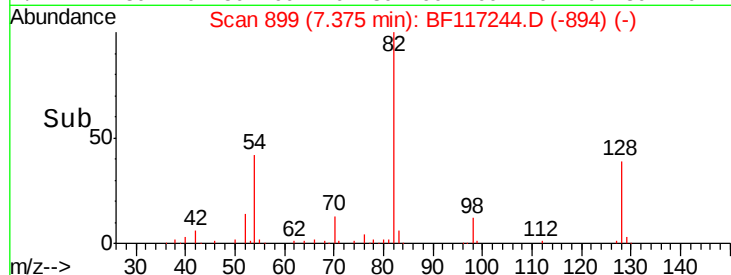
100000

50000

0

7.30 7.40 7.50

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

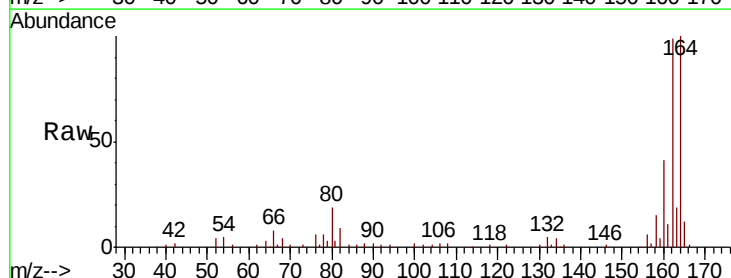
Tgt Ion: 164 Resp: 84891

Ion Ratio Lower Upper

164 100

162 99.4 83.4 125.2

160 41.4 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BF117019.D (-1315) (-)

Ion 162.00 (161.70 to 162.70): BF117019.D (-1315) (-)

Ion 160.00 (159.70 to 160.70): BF117019.D (-1315) (-)

9.85

100000

80000

60000

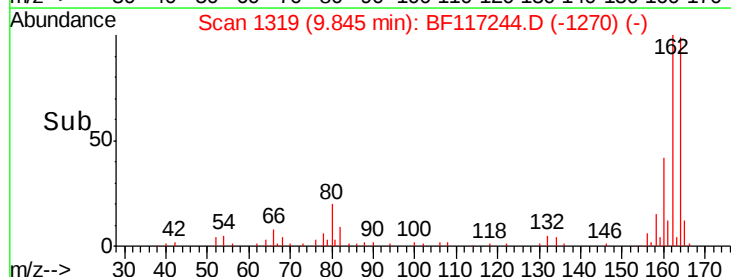
40000

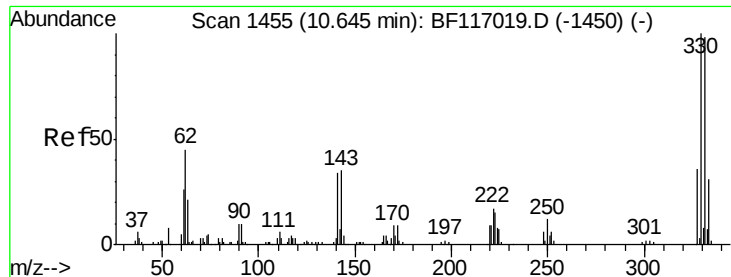
20000

0

9.80 9.85 9.90 9.95

Time-->





#42

2,4,6-Tribromophenol

Concen: 83.975 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

Instrument :

BNA_F

ClientSampleId :

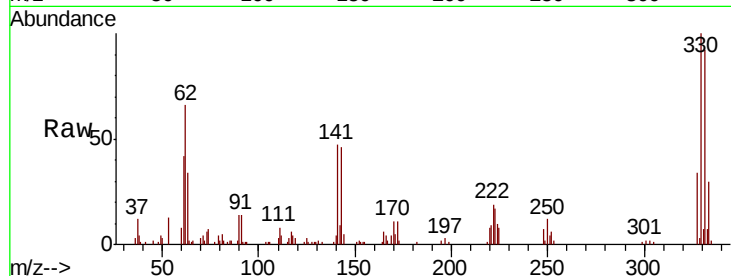
Tot Ion:330 Resp: 59580

Ion Ratio Lower Upper

330 100

332 95.2 78.0 117.0

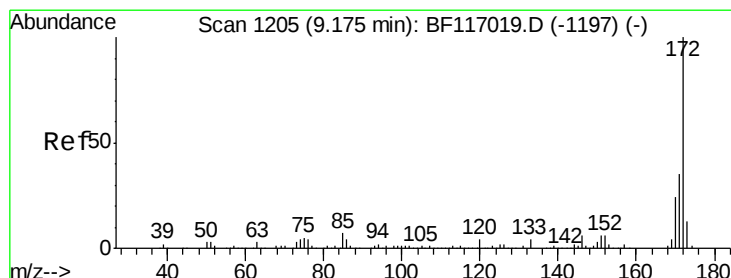
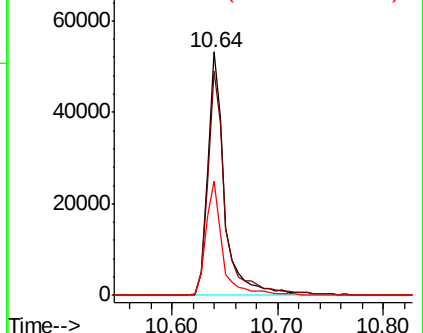
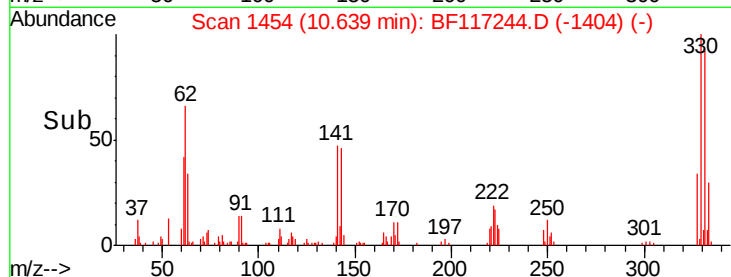
141 45.4 35.8 53.6



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: 56.796 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

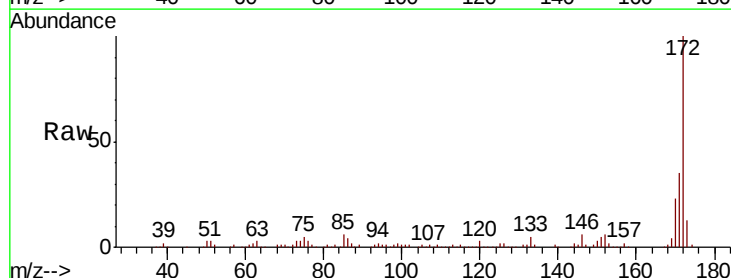
Tgt Ion:172 Resp: 308362

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.2

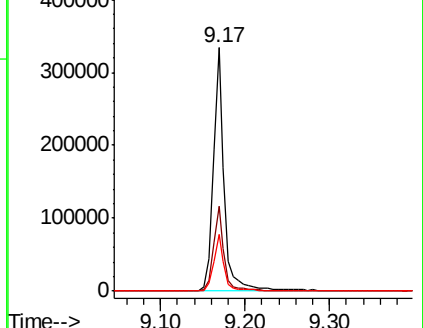
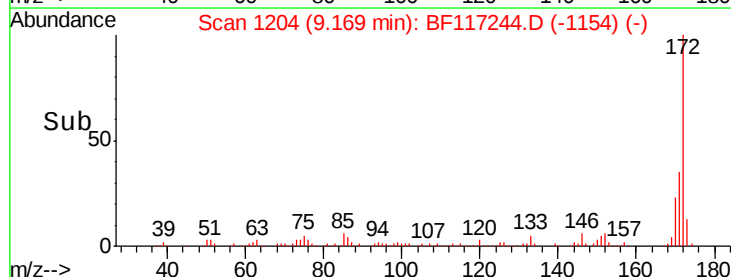
170 23.2 18.9 28.3

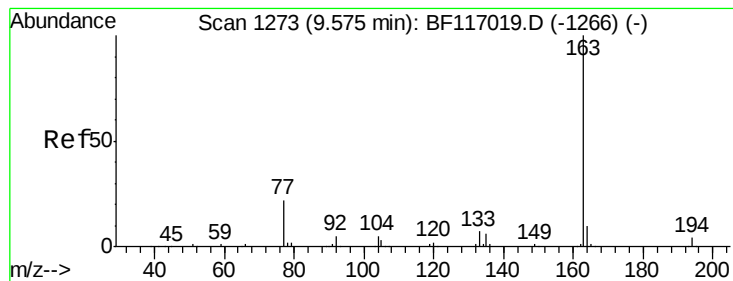


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.011 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

Instrument :

BNA_F

ClientSampled :

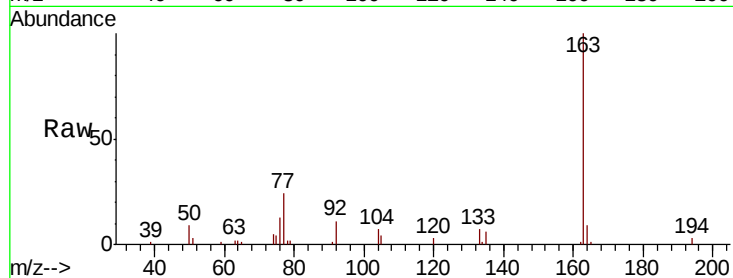
Tot Ion:163 Resp: 42143

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

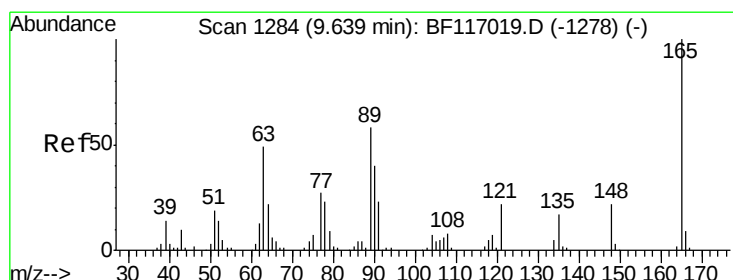
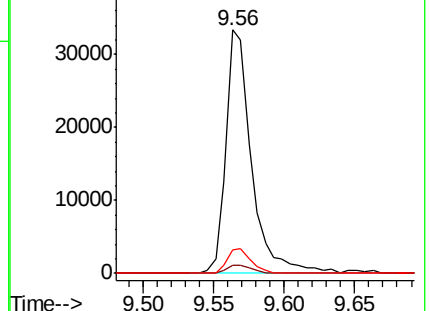
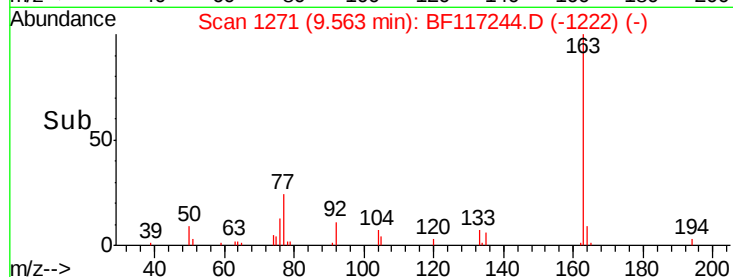
164 9.4 8.2 12.4



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



#51

2,6-Dinitrotoluene

Concen: 8.768 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117244.D

Acq: 25 Sep 2019 17:04

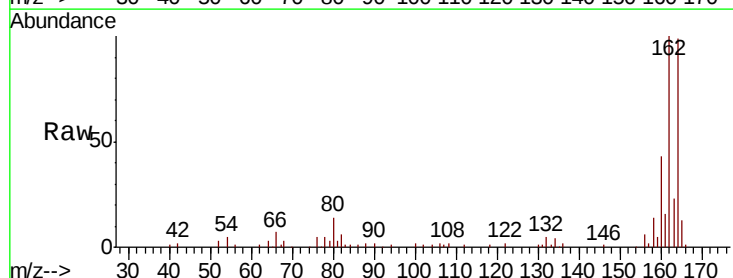
Tgt Ion:165 Resp: 10734

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

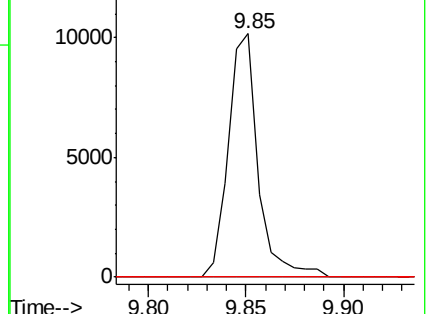
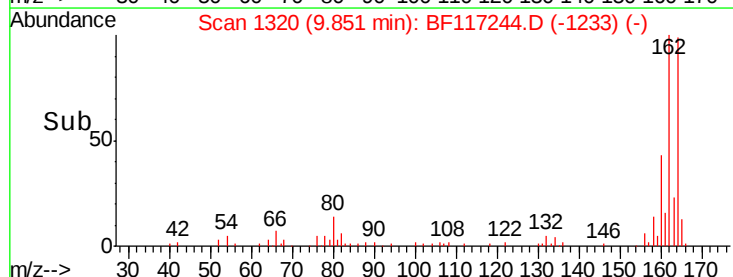
89 0.0 46.5 69.7#

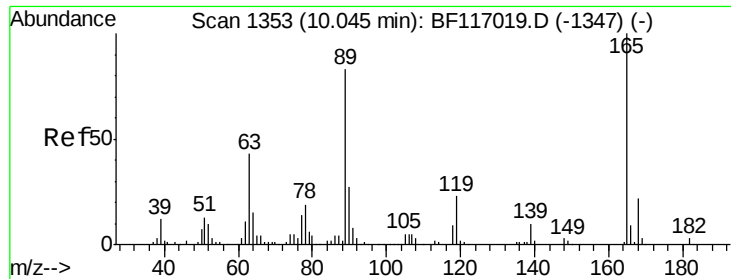


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

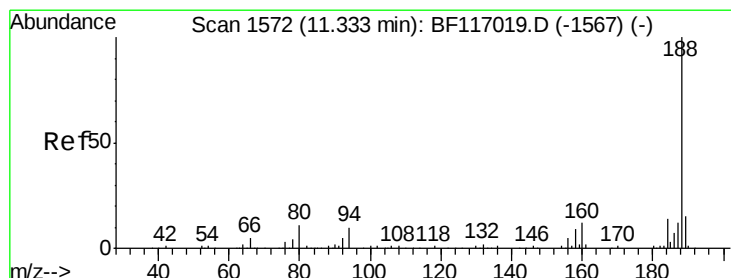
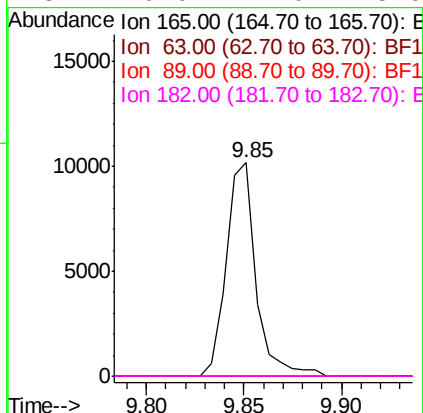
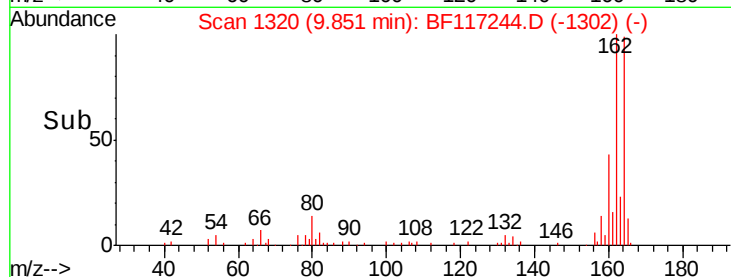
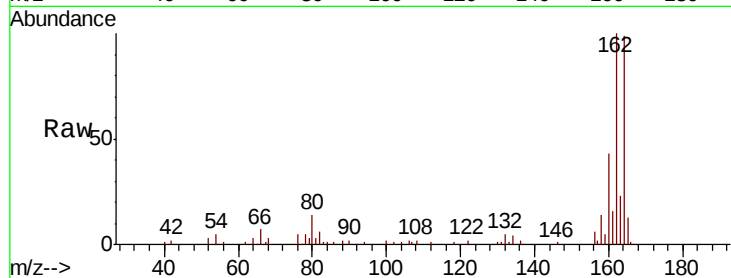




#57
 2,4-Dinitrotoluene
 Concen: 6.755 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

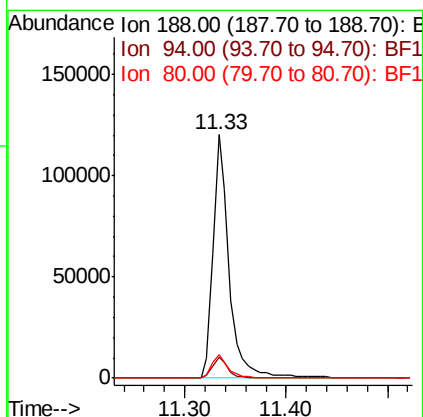
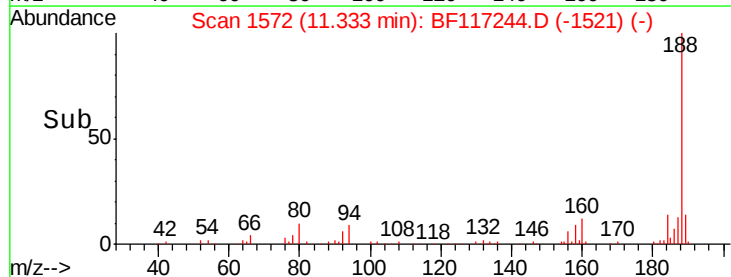
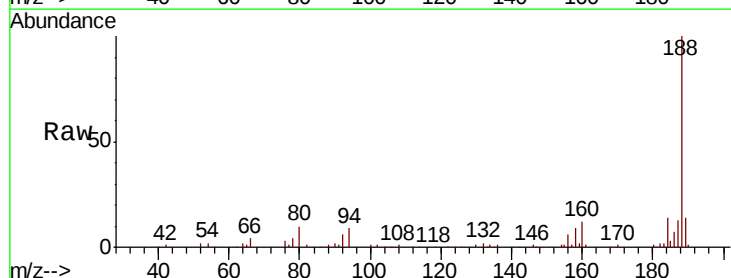
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	9.7	9.0	13.6

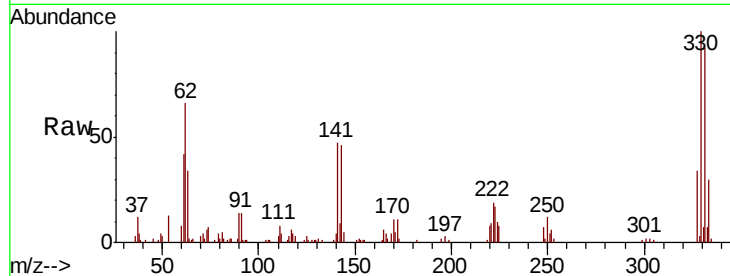




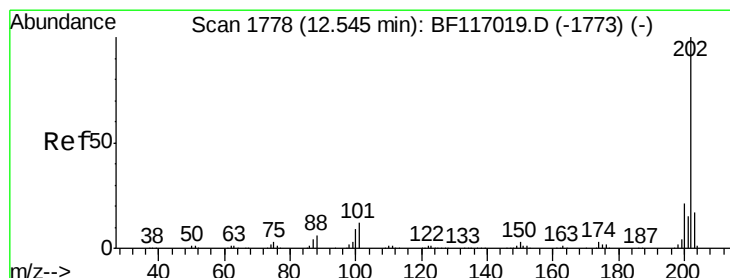
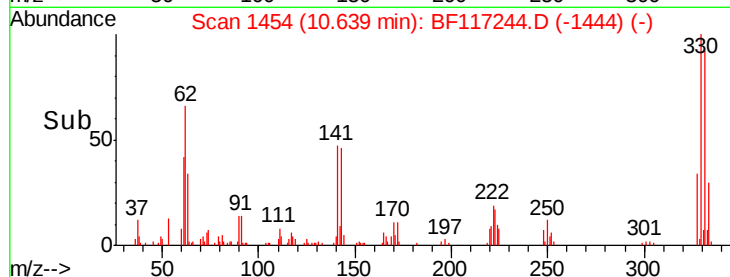
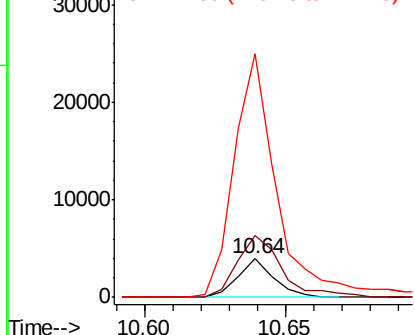
#67
 4-Bromophenyl-phenylether
 Concen: 2.591 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 3502
 Ion Ratio Lower Upper
 248 100
 250 160.7 76.2 114.4#
 141 635.4 75.0 112.4#

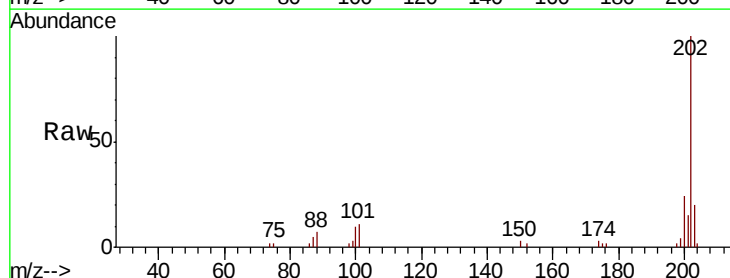


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

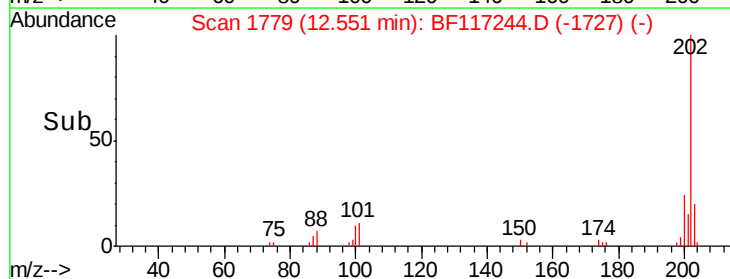
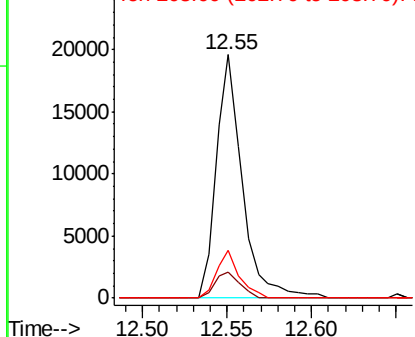


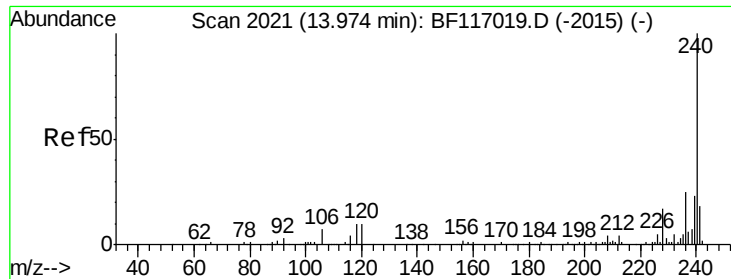
#75
 Fluoranthene
 Concen: 2.727 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

Tgt Ion:202 Resp: 21062
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 32.3
 203 19.6 0.0 37.1



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

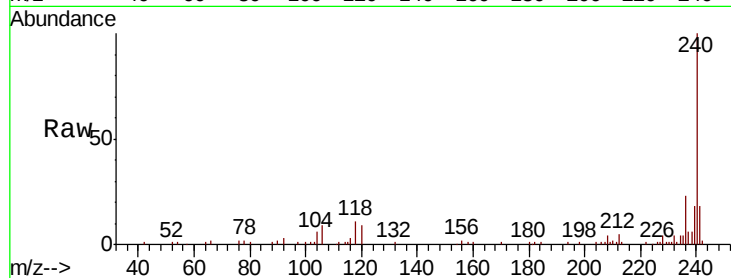




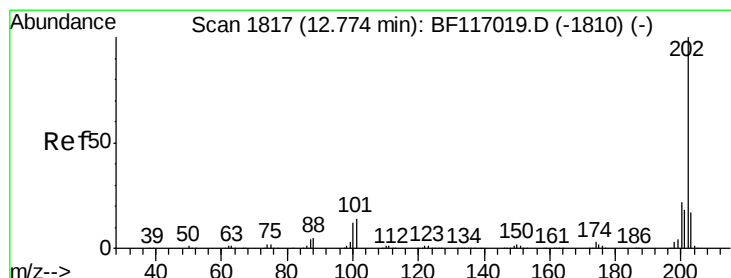
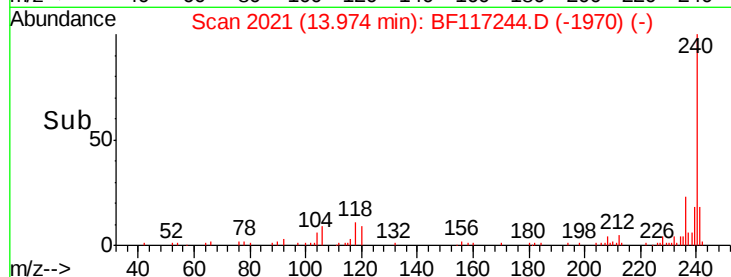
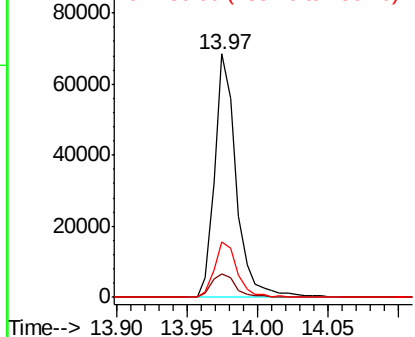
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 73112
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 22.8 20.3 30.5

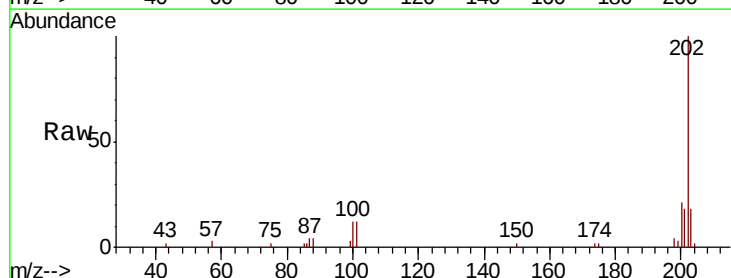


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

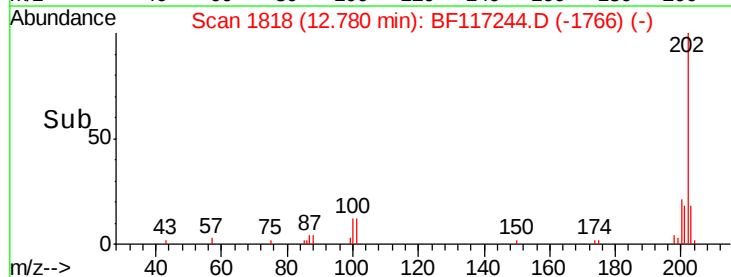
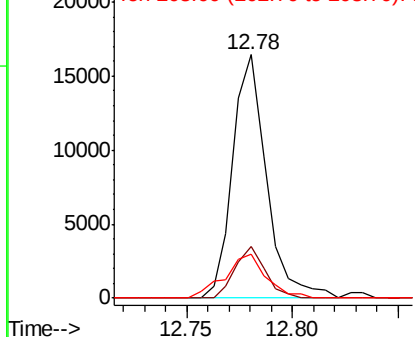


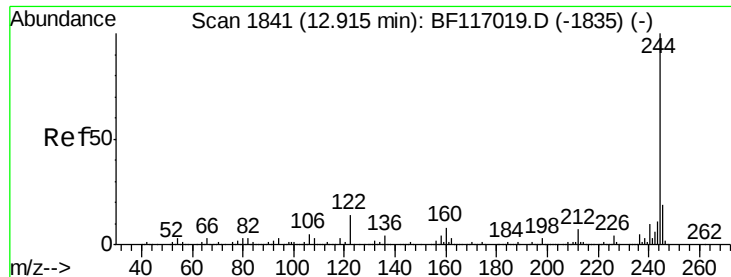
#78
Pyrene
Concen: 2.966 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Tgt Ion:202 Resp: 18197
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.3 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

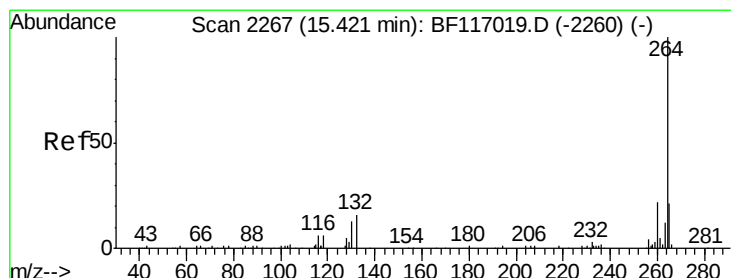
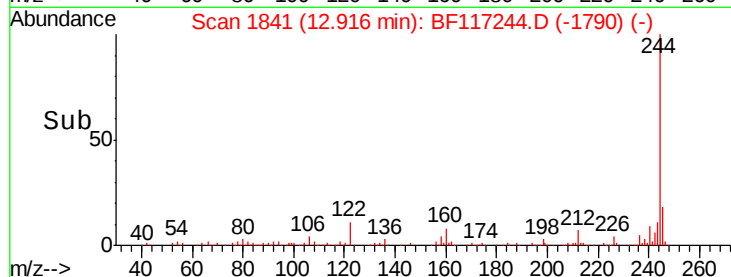
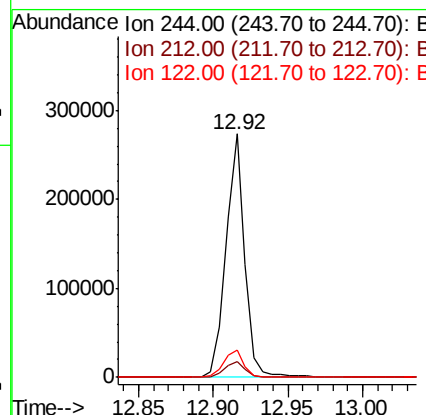
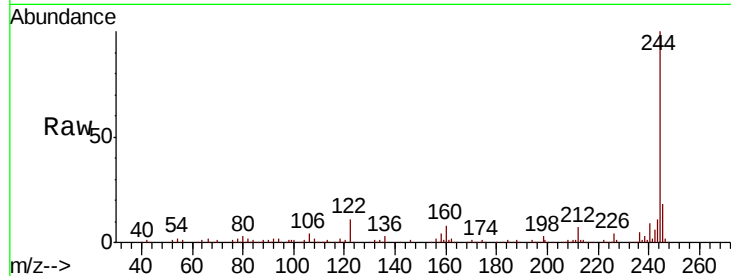




#79
 Terphenyl-d14
 Concen: 62.031 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

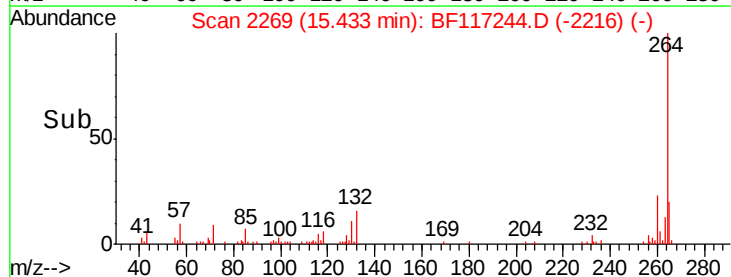
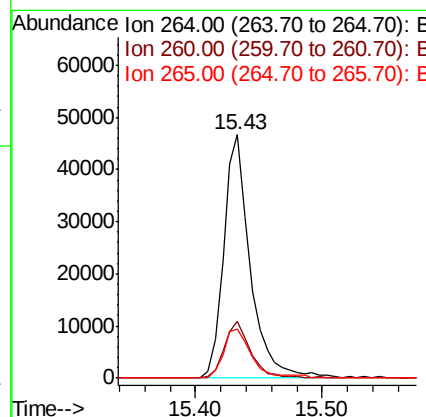
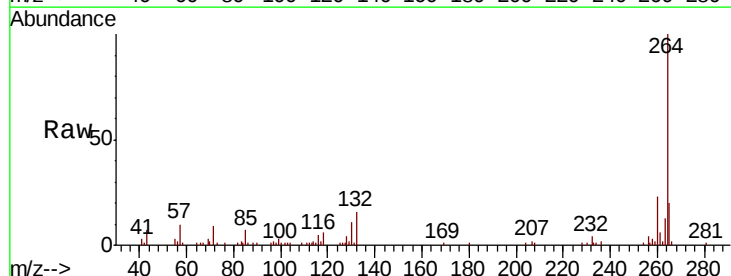
Instrument :
 BNA_F
 ClientSampleId :

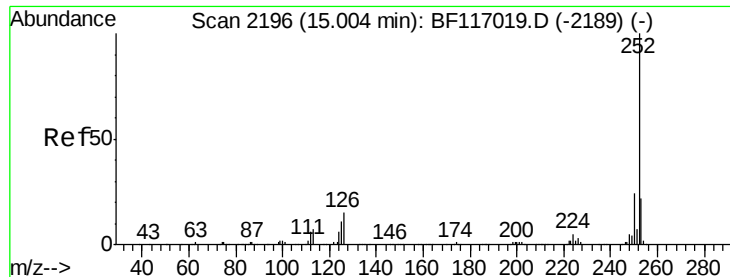
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.2	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117244.D
 Acq: 25 Sep 2019 17:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.6	26.4
265	20.2	16.6	24.8

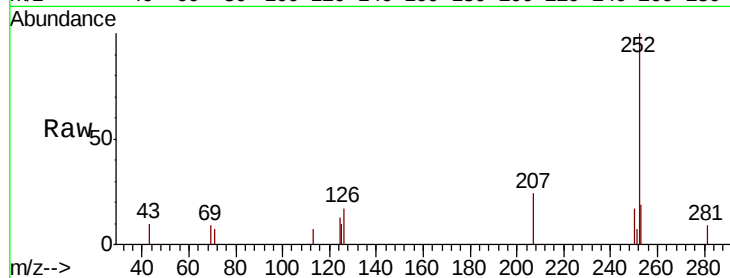




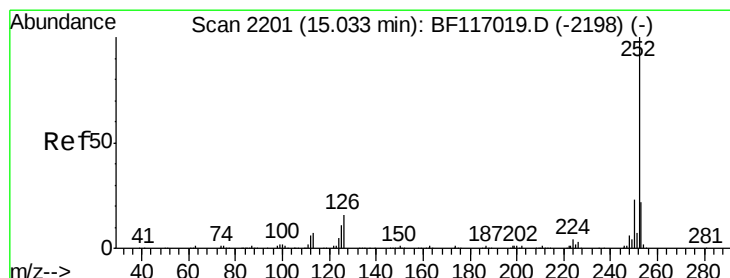
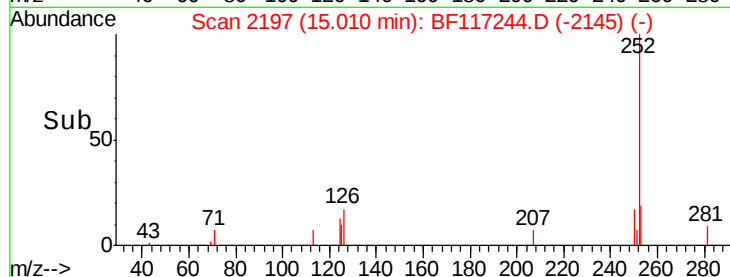
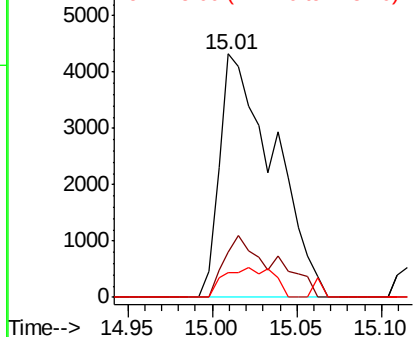
#88
Benzo(b)fluoranthene
Concen: 2.343 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 9618
Ion Ratio Lower Upper
252 100
253 18.5 17.6 26.4
125 10.1 8.6 12.8

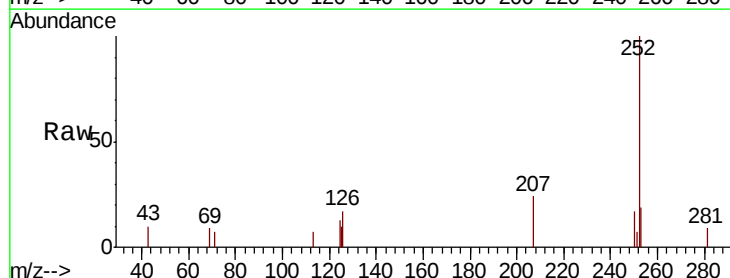


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.474 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117244.D
Acq: 25 Sep 2019 17:04

Tgt Ion:252 Resp: 9618
Ion Ratio Lower Upper
252 100
253 18.5 17.4 26.2
125 10.1 8.8 13.2



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

