

Data File : BF116733.D
Acq On : 1 Sep 2019 8:36
Operator : HP/JU
Sample : K4527-40
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-12-13-Q2-Q4

Quant Time: Sep 02 05:47:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123490	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	476187	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	243033	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	403351	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	275931	20.00	ng	-0.01
87) Perylene-d12	15.44	264	314302	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	942898	123.70	ng	0.00
7) Phenol-d6	6.47	99	1153997	115.29	ng	0.00
23) Nitrobenzene-d5	7.40	82	853980	102.38	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	261407	160.89	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1387832	96.33	ng	0.00
79) Terphenyl-d14	12.95	244	1357059	90.98	ng	0.00

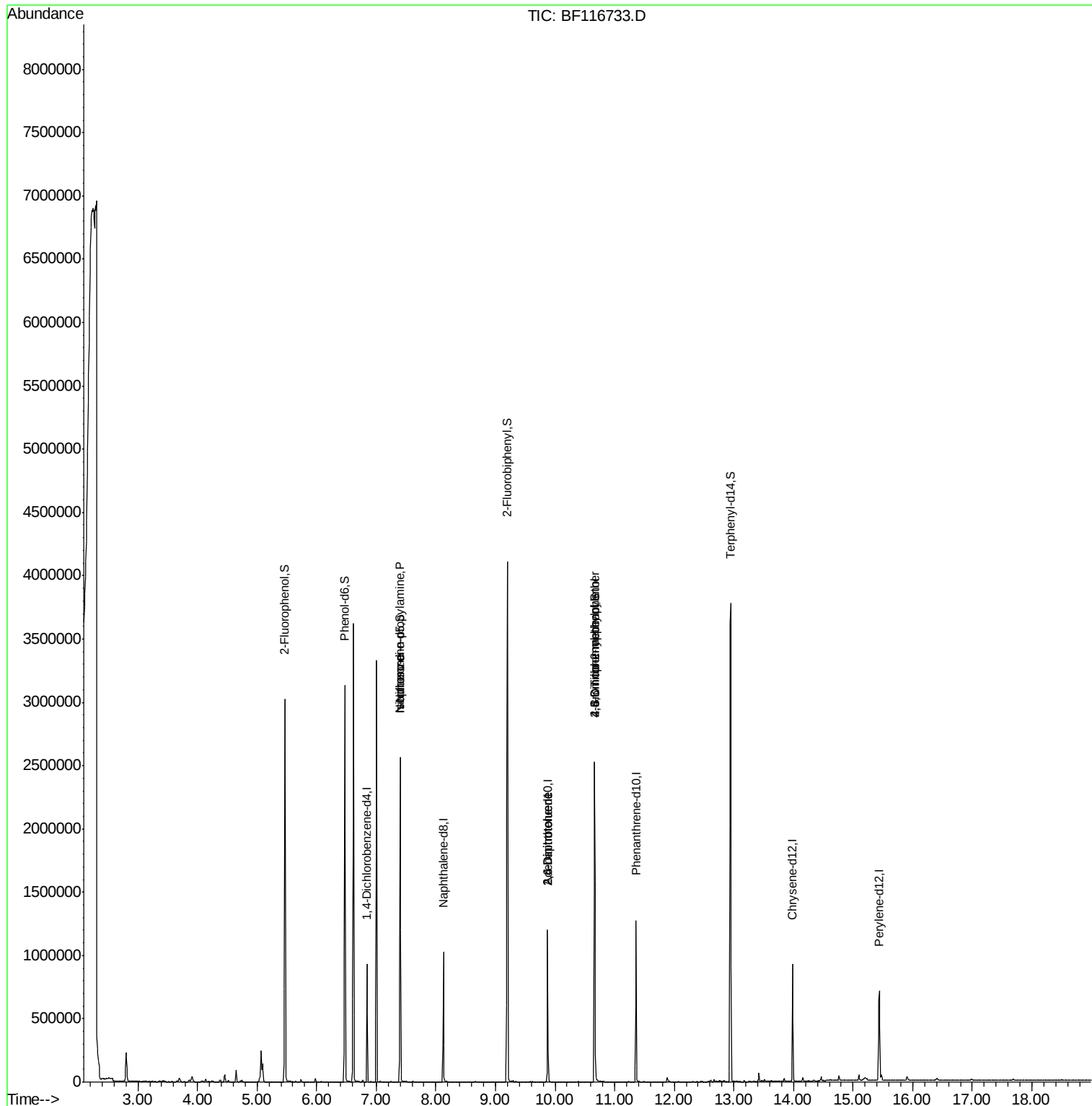
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	113762	17.262	ng	# 71
25) Isophorone	7.40	82	853972	50.523	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	31522	9.847	ng	# 20
57) 2,4-Dinitrotoluene	9.87	165	31522	8.053	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	557	7.768	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17169	4.190	ng	# 1

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

Data File : BF116733.D
Acq On : 1 Sep 2019 8:36
Operator : HP/JU
Sample : K4527-40
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-12-13-Q2-Q4

Quant Time: Sep 02 05:47:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA_F

ClientSampleId :

T9-12-13-Q2-Q4

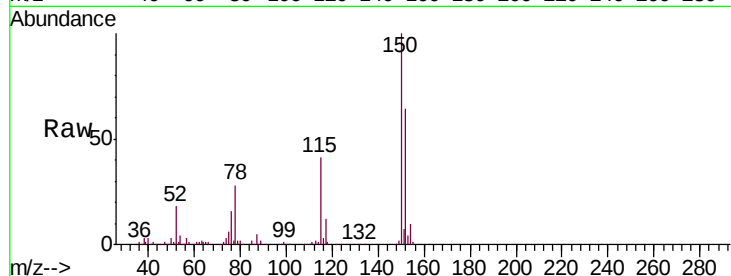
Tgt Ion:152 Resp: 123490

Ion Ratio Lower Upper

152 100

150 156.2 124.4 186.6

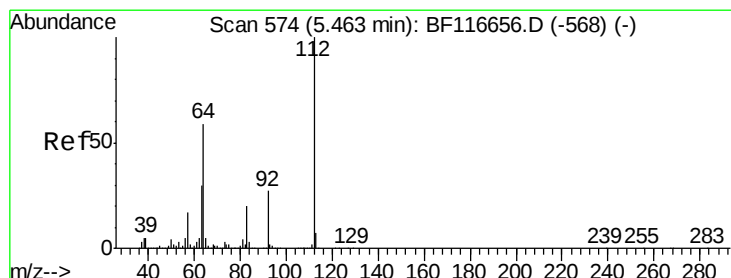
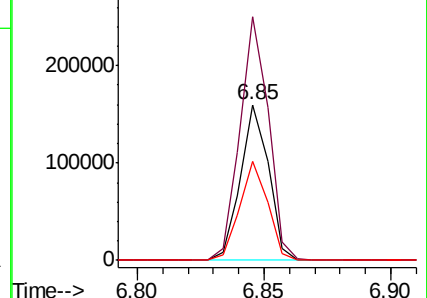
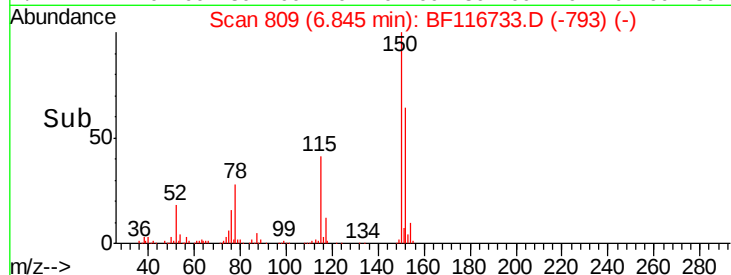
115 63.9 49.9 74.9



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: 123.698 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

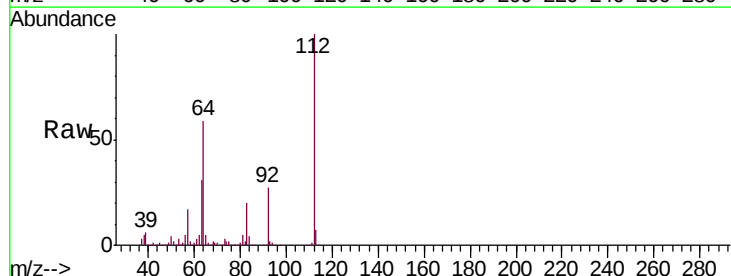
Tgt Ion:112 Resp: 942898

Ion Ratio Lower Upper

112 100

64 59.0 47.1 70.7

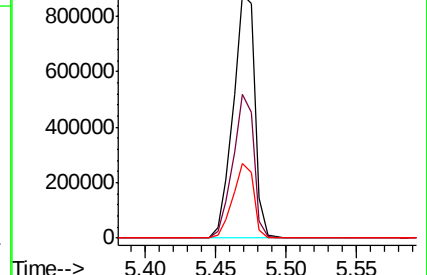
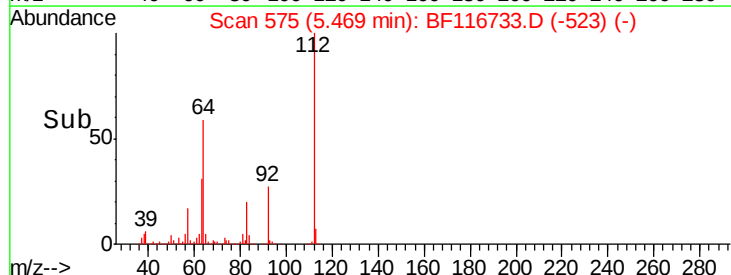
63 30.7 24.9 37.3

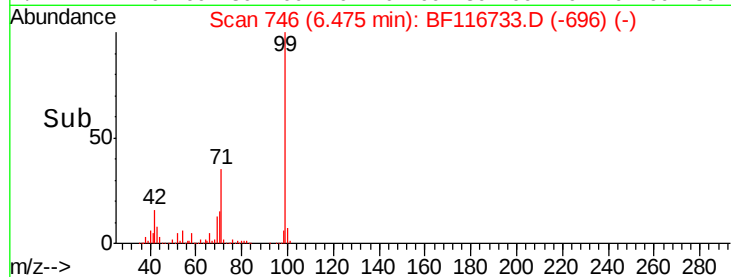
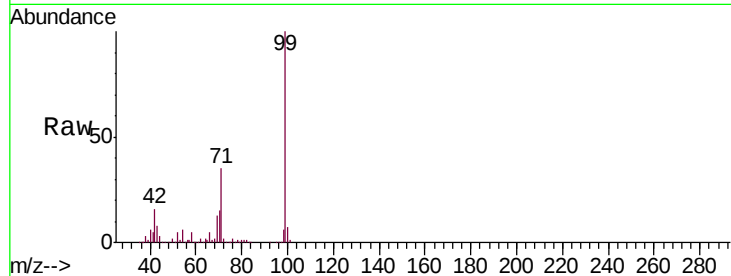


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 115.293 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA_F

ClientSampleId :

T9-12-13-Q2-Q4

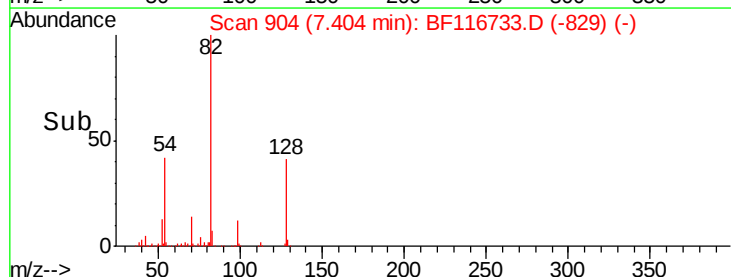
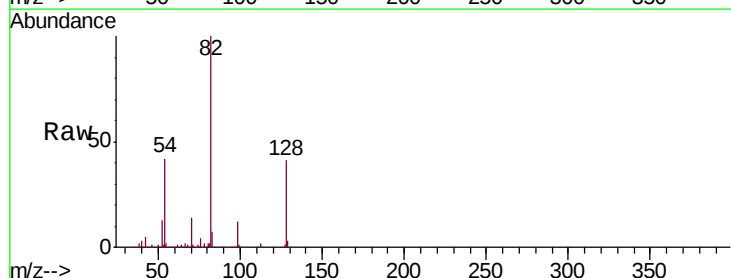
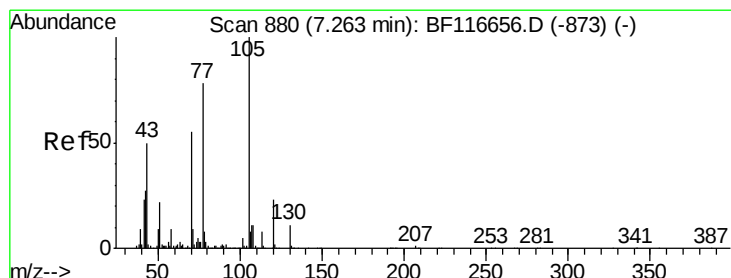
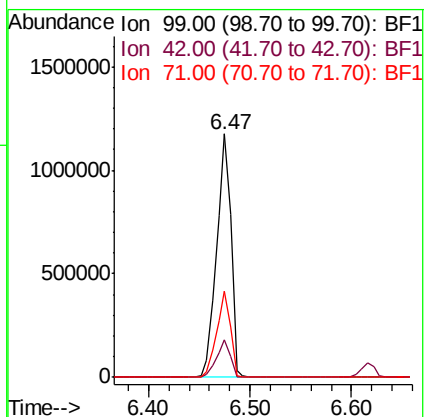
Tgt Ion: 99 Resp: 1153997

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

71 35.5 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.262 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Tgt Ion: 70 Resp: 113762

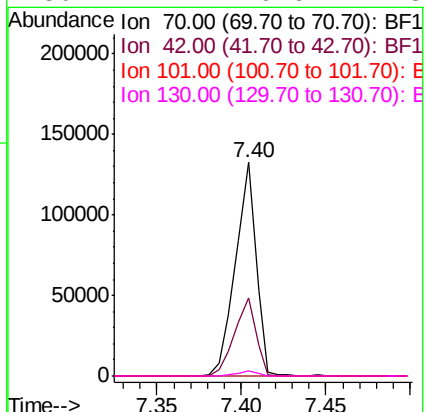
Ion Ratio Lower Upper

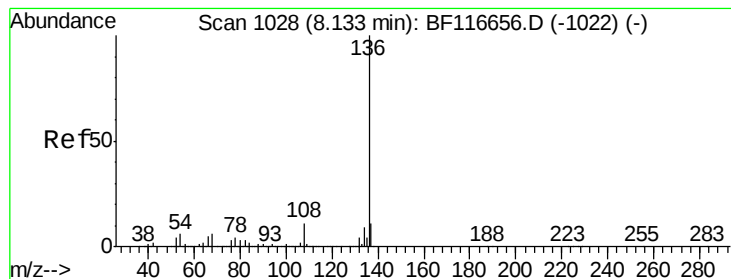
70 100

42 36.3 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA_F

ClientSampleId :

T9-12-13-Q2-Q4

Tgt Ion: 136 Resp: 476187

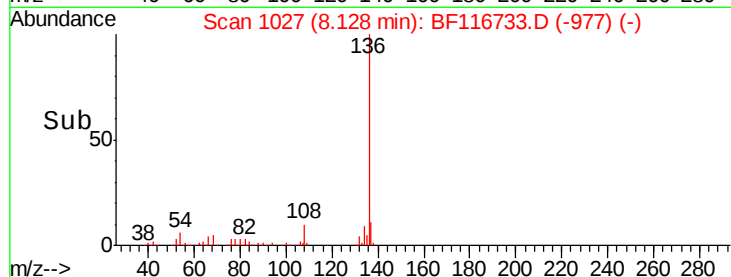
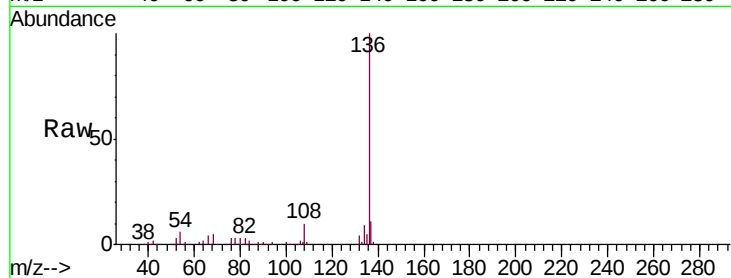
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 5.7 4.8 7.2

68 5.4 4.0 6.0

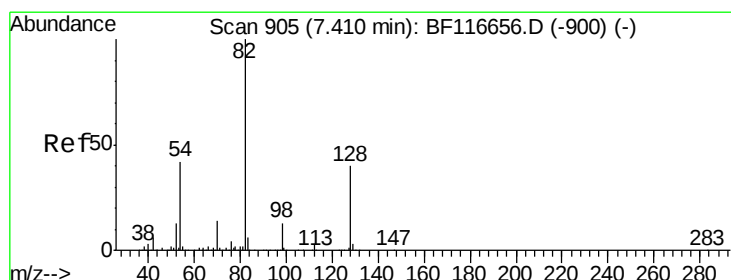
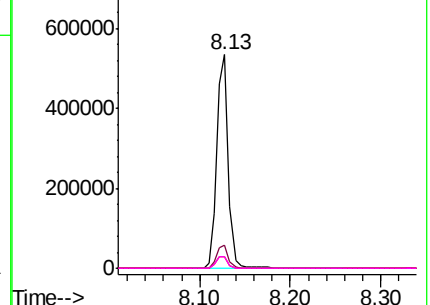


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.379 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

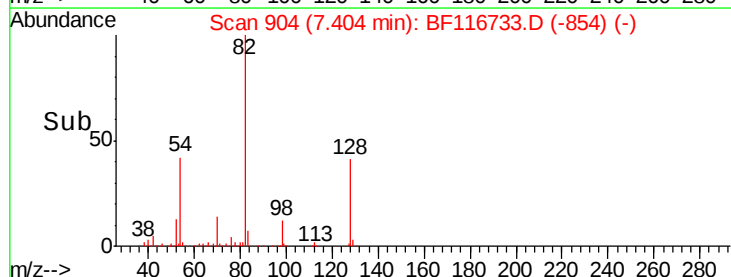
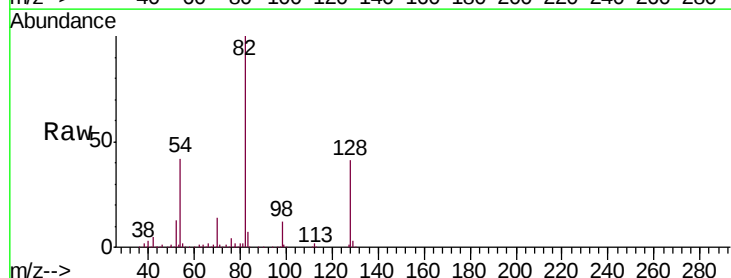
Tgt Ion: 82 Resp: 853980

Ion Ratio Lower Upper

82 100

128 41.5 32.8 49.2

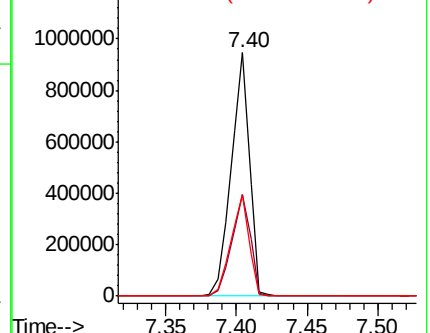
54 41.8 36.9 55.3



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: 50.523 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA_F

ClientSampleId :

T9-12-13-Q2-Q4

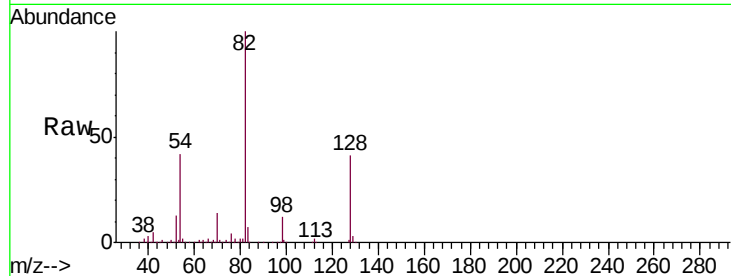
Tgt Ion: 82 Resp: 853972

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

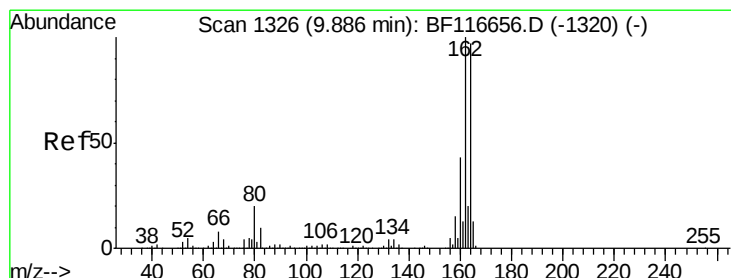
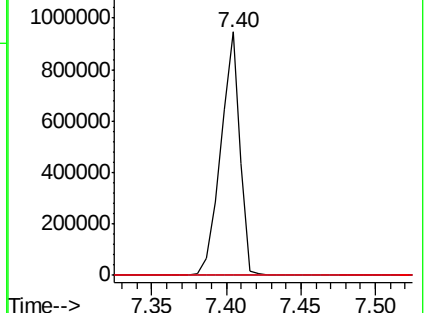
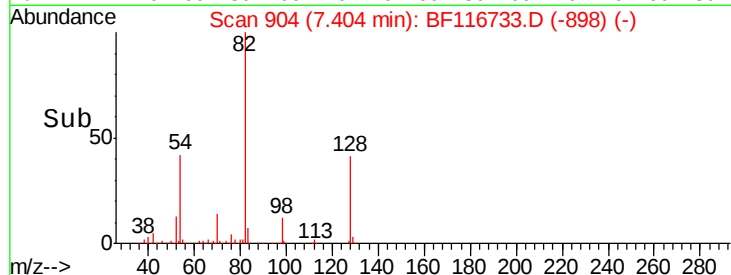
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

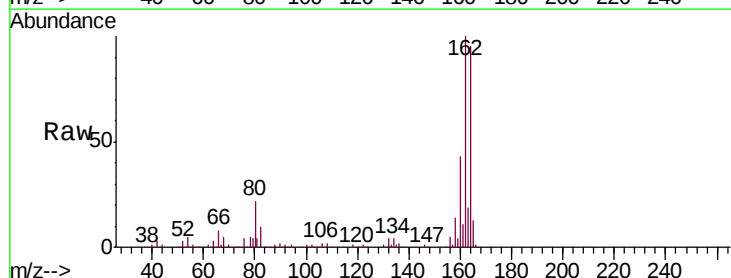
Tgt Ion: 164 Resp: 243033

Ion Ratio Lower Upper

164 100

162 105.0 81.4 122.0

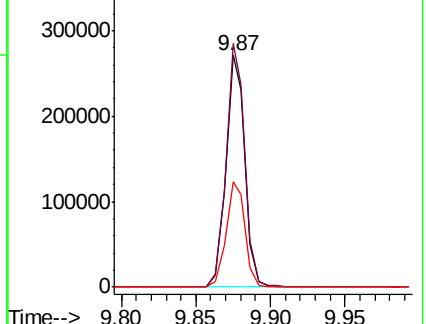
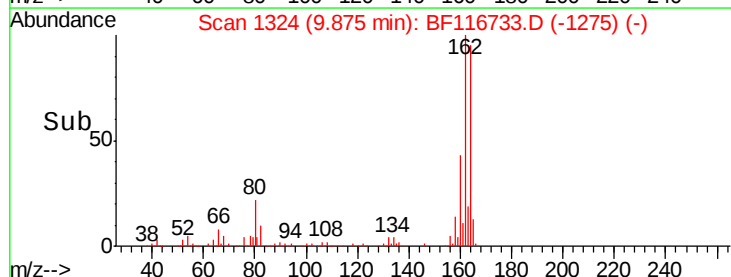
160 45.3 35.4 53.2

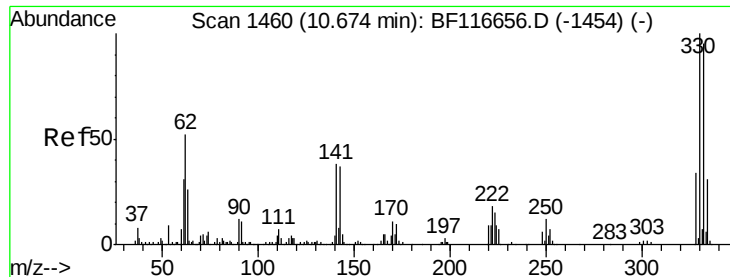


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

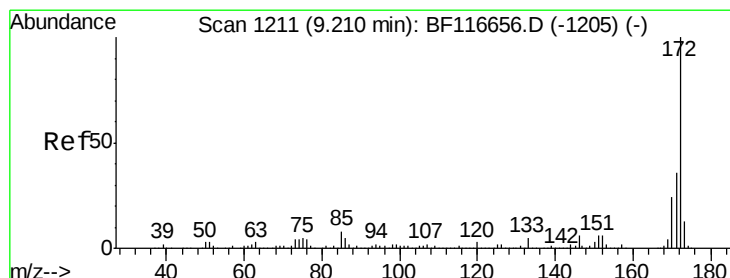
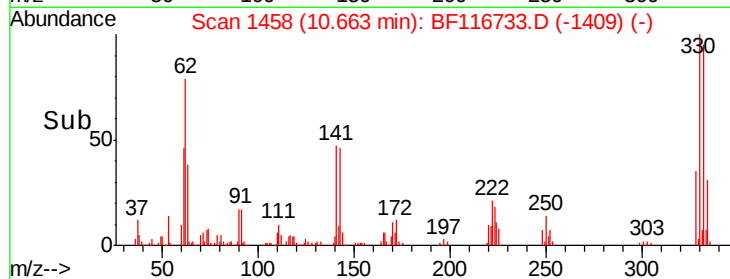
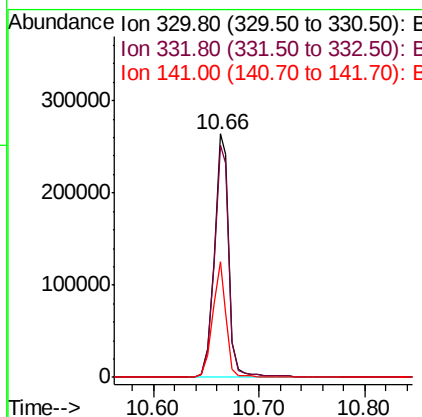
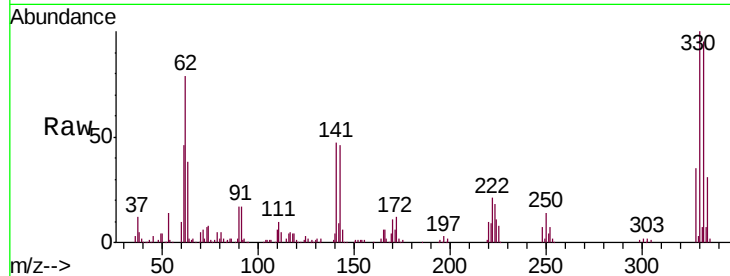




#42
 2,4,6-Tribromophenol
 Concen: 160.893 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

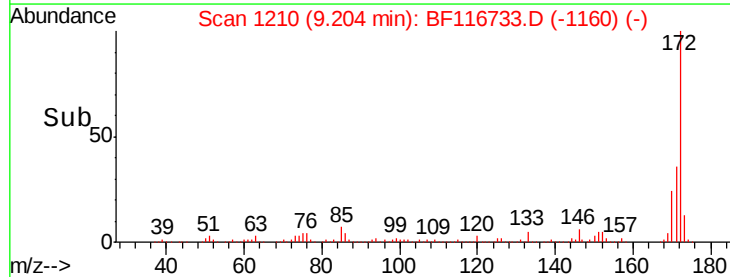
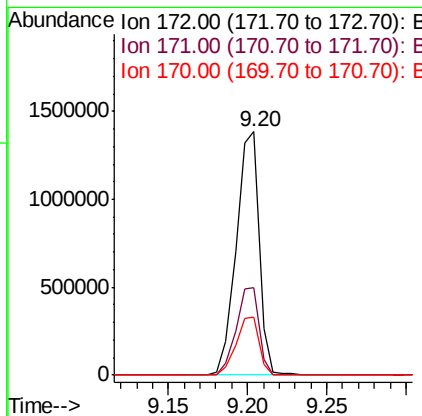
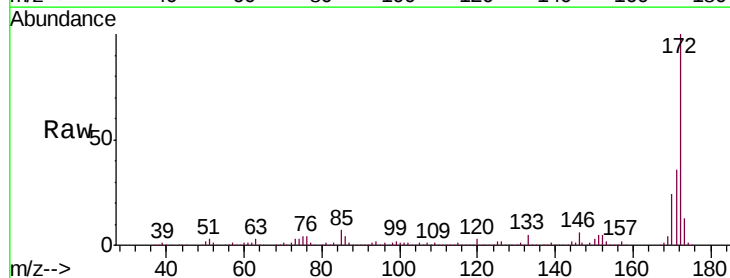
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-Q2-Q4

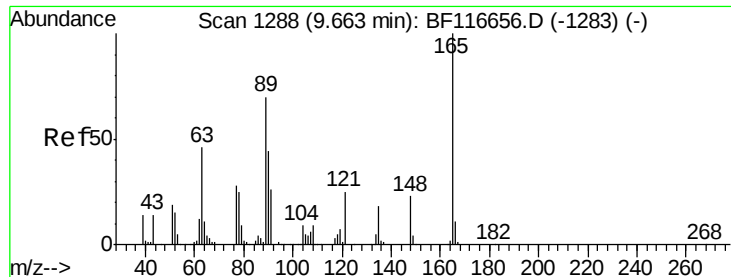
Tgt Ion: 330 Resp: 261407
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.9 115.3
 141 43.6 31.4 47.2



#45
 2-Fluorobiphenyl
 Concen: 96.330 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

Tgt Ion: 172 Resp: 1387832
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.8 41.6
 170 23.7 18.9 28.3

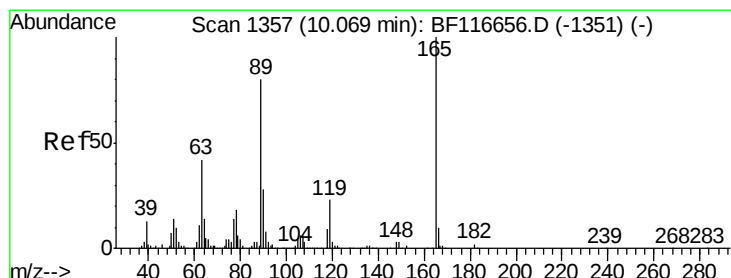
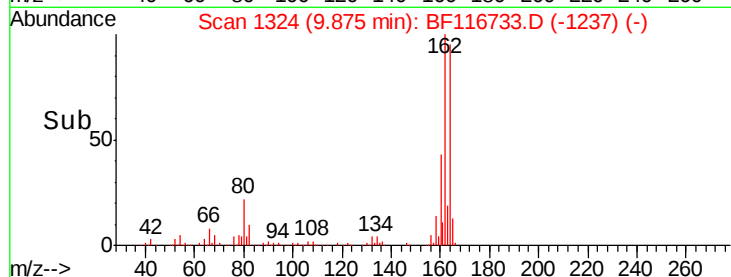
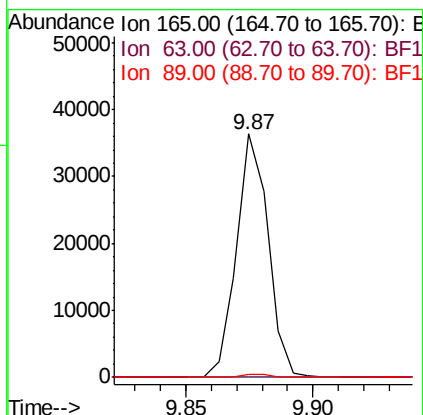
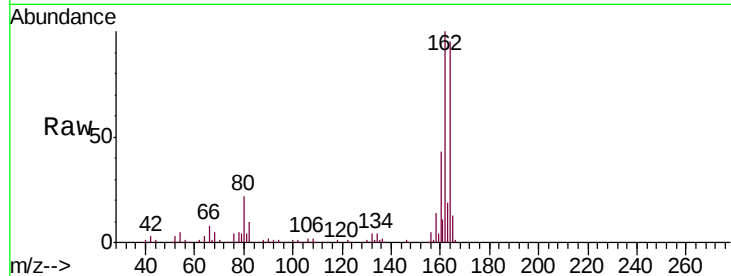




#51
 2,6-Dinitrotoluene
 Concen: 9.847 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

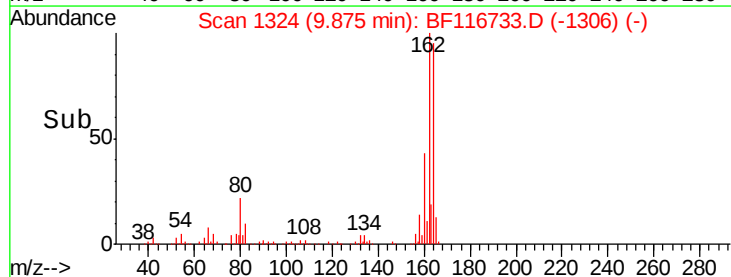
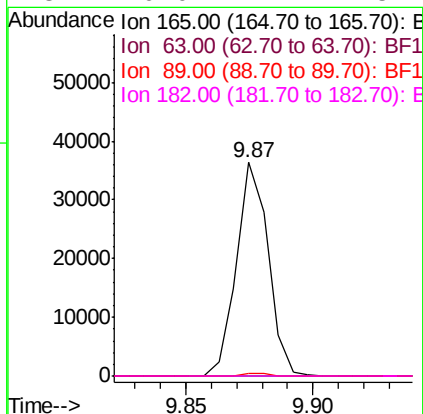
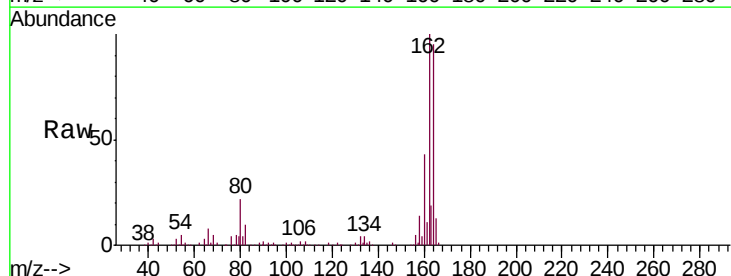
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-Q2-Q4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	1.2	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 8.053 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	62.6	94.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

Instrument :

BNA_F

ClientSampleId :

T9-12-13-Q2-Q4

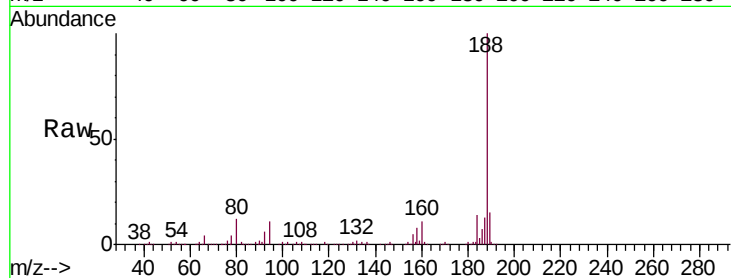
Tgt Ion:188 Resp: 403351

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

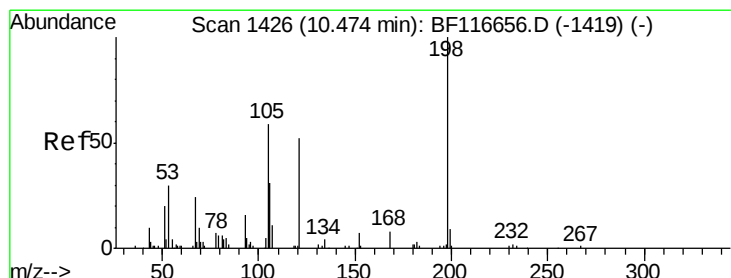
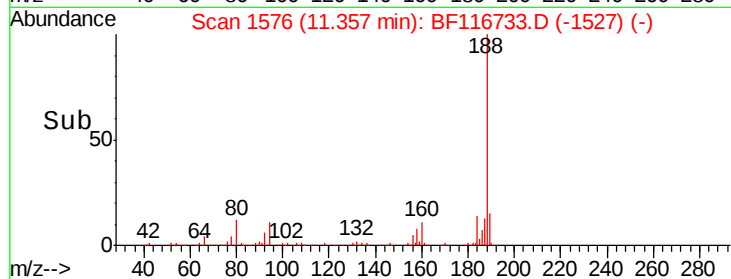
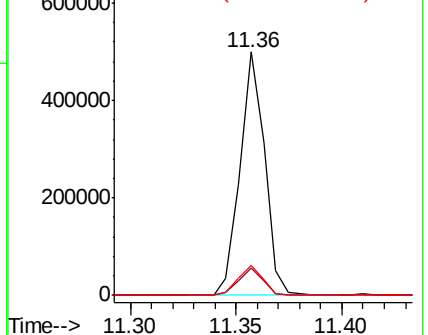
80 12.1 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.768 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.18 min

Lab File: BF116733.D

Acq: 1 Sep 2019 8:36

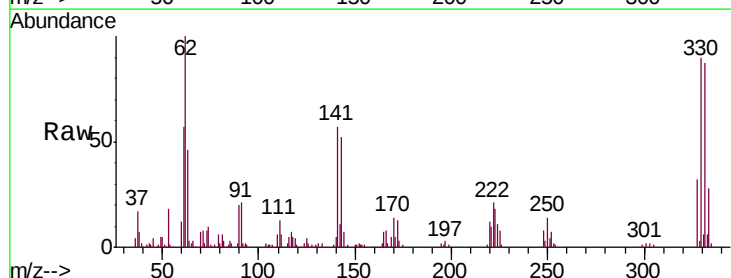
Tgt Ion:198 Resp: 557

Ion Ratio Lower Upper

198 100

51 253.2 18.4 58.4#

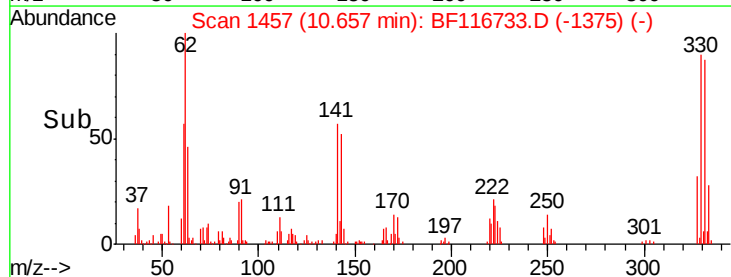
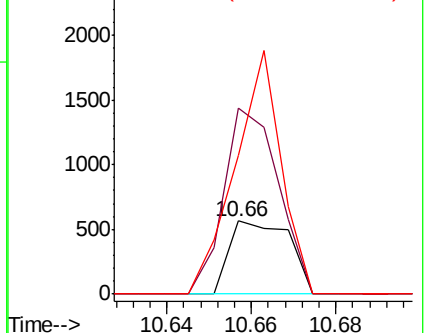
105 189.8 22.9 62.9#

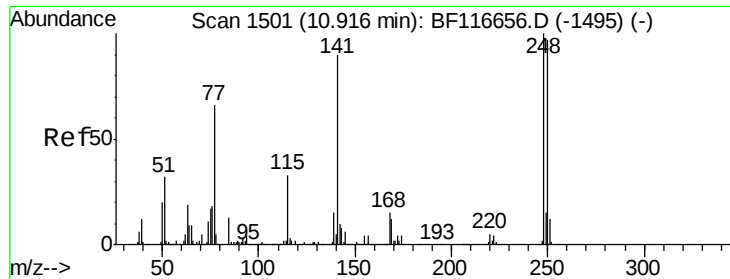


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

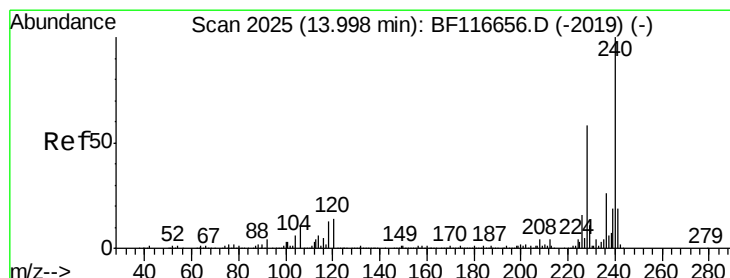
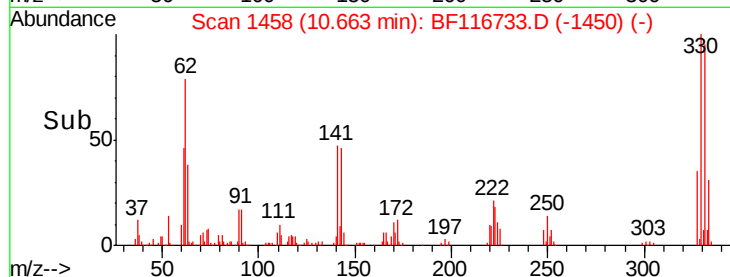
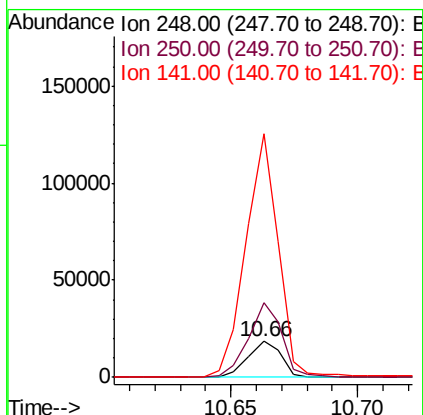
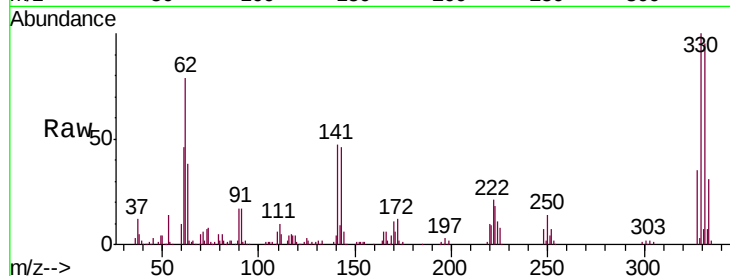




#67
4-Bromophenyl-phenylether
Concen: 4.190 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116733.D
Acq: 1 Sep 2019 8:36

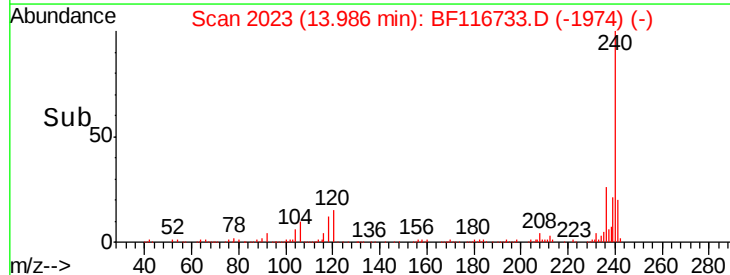
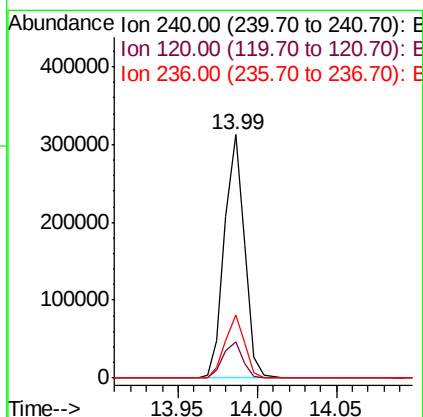
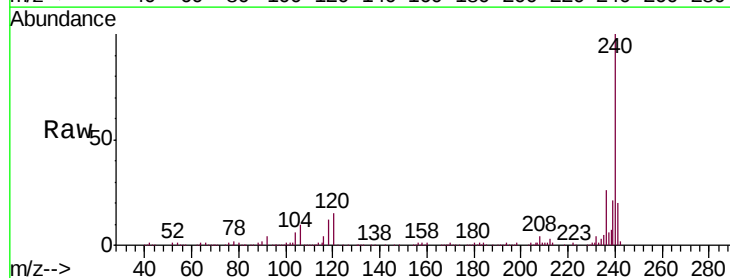
Instrument :
BNA_F
ClientSampleId :
T9-12-13-Q2-Q4

Tgt Ion:248 Resp: 17169
Ion Ratio Lower Upper
248 100
250 207.7 77.8 116.8#
141 681.0 75.9 113.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116733.D
Acq: 1 Sep 2019 8:36

Tgt Ion:240 Resp: 275931
Ion Ratio Lower Upper
240 100
120 14.6 9.1 13.7#
236 25.7 21.1 31.7

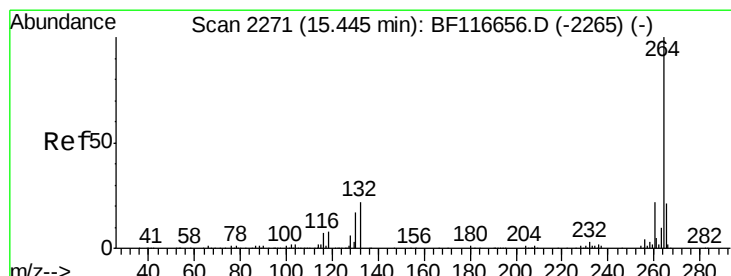
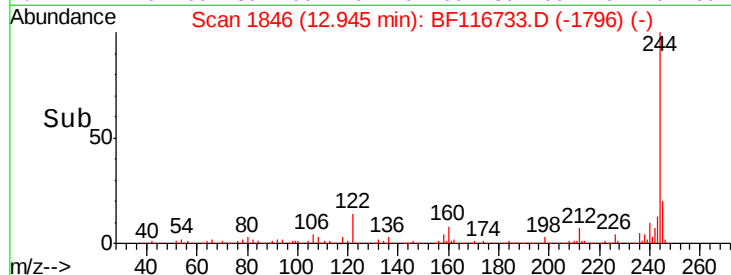
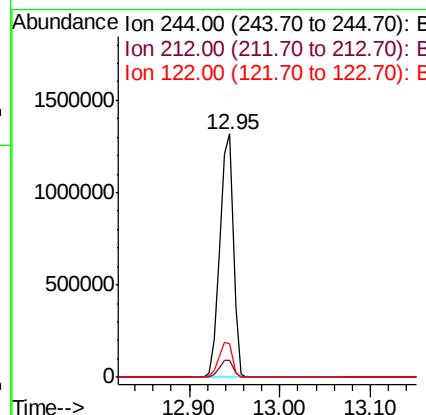
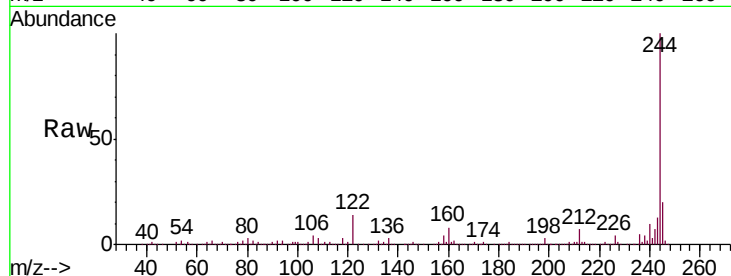




#79
 Terphenyl-d14
 Concen: 90.982 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-Q2-Q4

Tgt Ion:244 Resp: 1357059
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 13.8 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116733.D
 Acq: 1 Sep 2019 8:36

Tgt Ion:264 Resp: 314302
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.3 27.5
 265 21.6 16.5 24.7

