

Data File : BF116737.D
Acq On : 1 Sep 2019 10:24
Operator : HP/JU
Sample : K4601-39
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

Quant Time: Sep 02 05:48:10 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

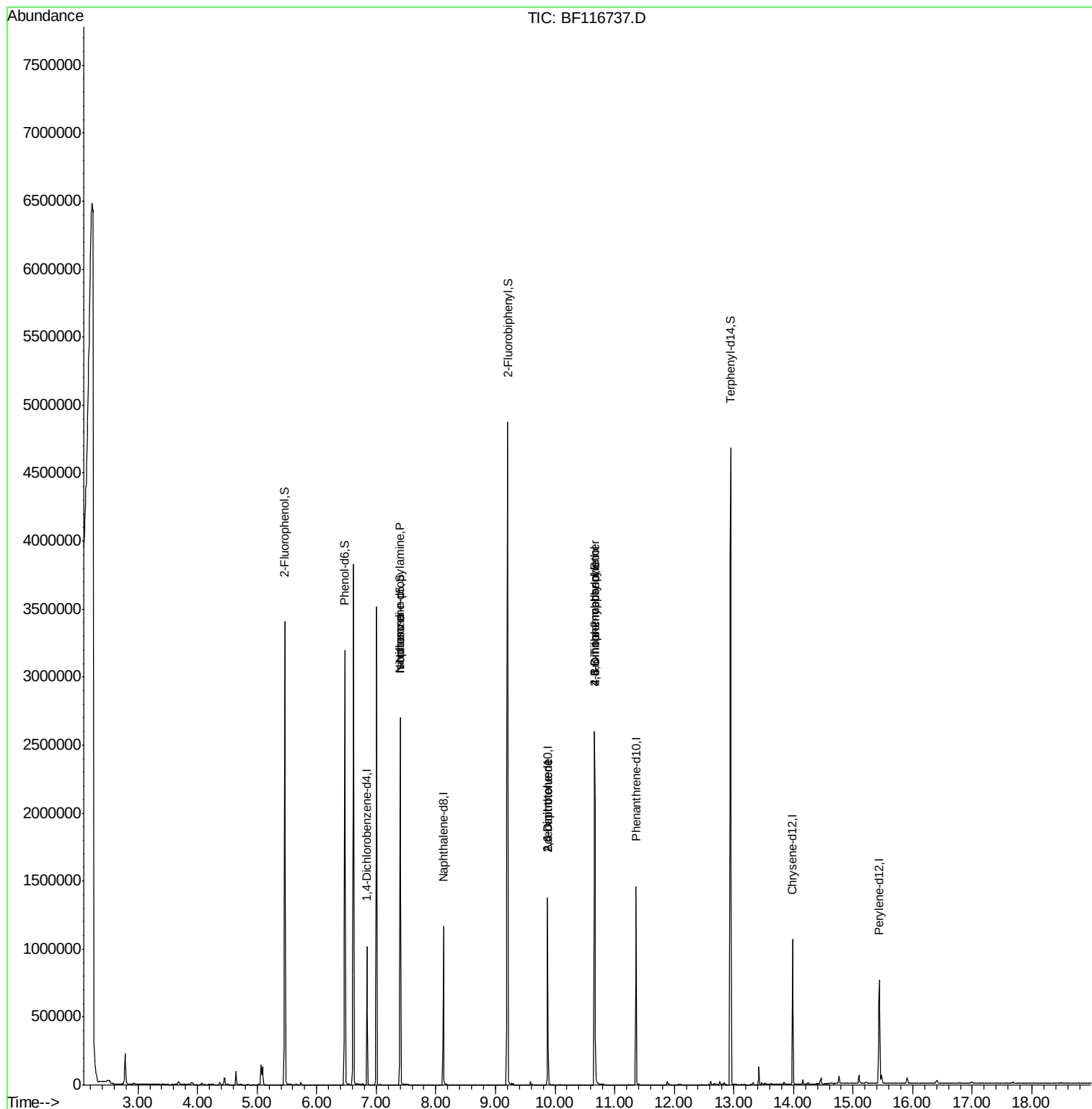
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132364	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	525255	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	279113	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	466458	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	319392	20.00	ng	-0.01
87) Perylene-d12	15.44	264	326088	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	979992	119.95	ng	0.00
7) Phenol-d6	6.47	99	1208444	112.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	927702	100.83	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	298794	160.13	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1536991	92.89	ng	0.00
79) Terphenyl-d14	12.94	244	1592185	92.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	124169	17.578	ng	# 74
25) Isophorone	7.40	82	927690	49.758	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	35285	9.597	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	35285	7.849	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	674	7.783	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	18454	3.894	ng	# 1

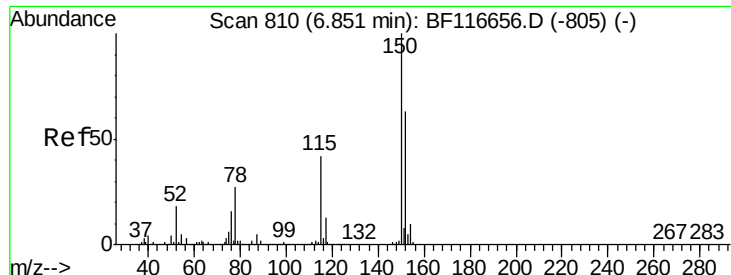
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF116737.D
Acq On : 1 Sep 2019 10:24
Operator : HP/JU
Sample : K4601-39
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

Quant Time: Sep 02 05:48:10 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



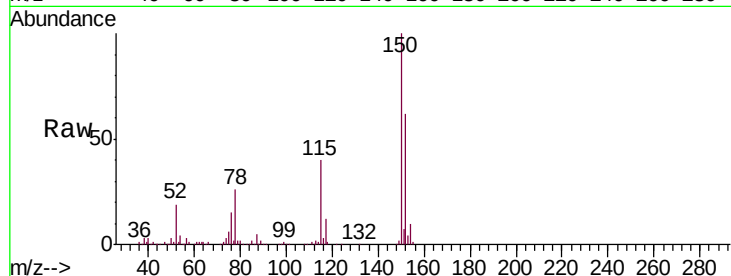


#1

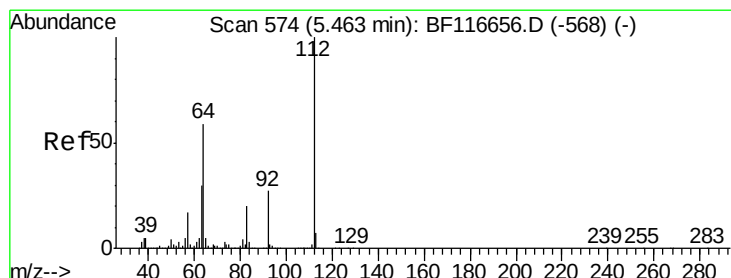
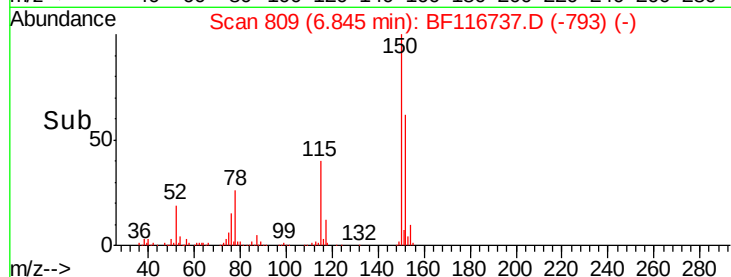
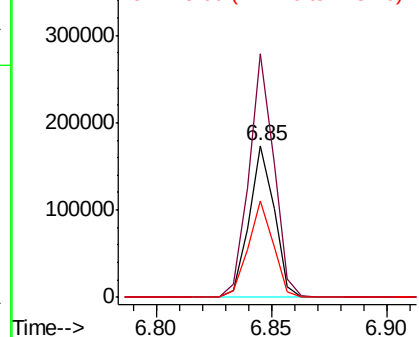
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.4	186.6
115	63.7	49.9	74.9



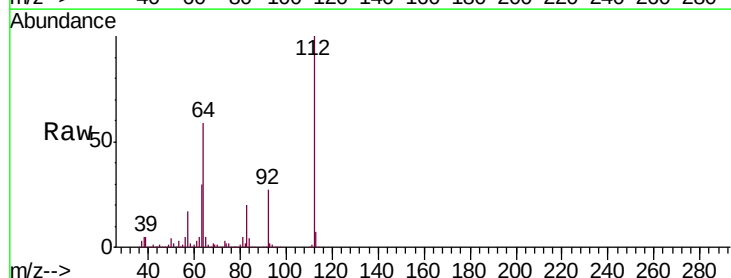
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



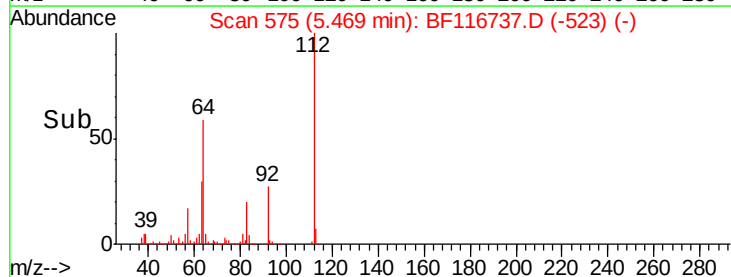
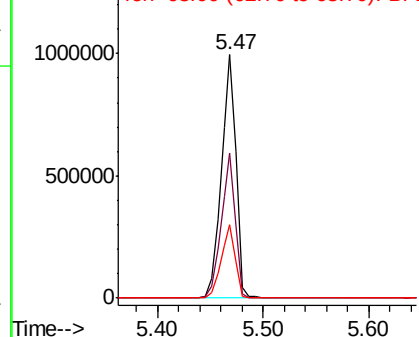
#5

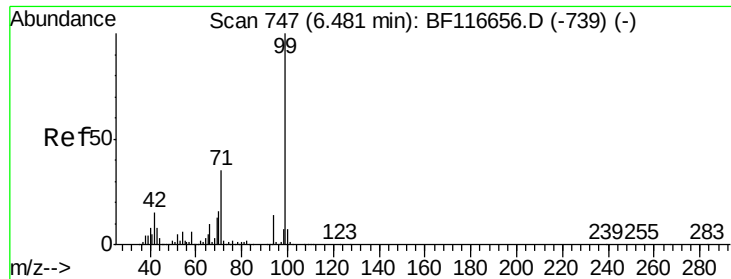
2-Fluorophenol
Concen: 119.945 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.1	70.7
63	30.2	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: 112.638 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116737.D

Acq: 1 Sep 2019 10:24

Instrument :

BNA_F

ClientSampleId :

T12-G1-G4-(0-2.7)

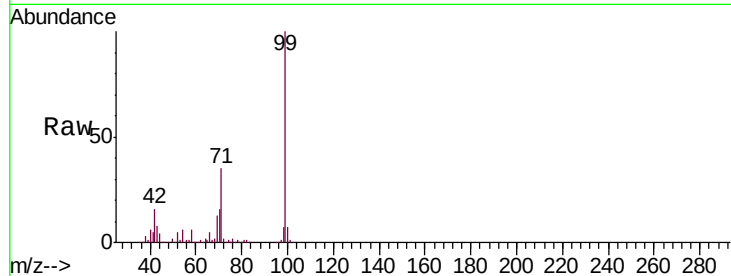
Tgt Ion: 99 Resp: 1208444

Ion Ratio Lower Upper

99 100

42 15.9 13.7 20.5

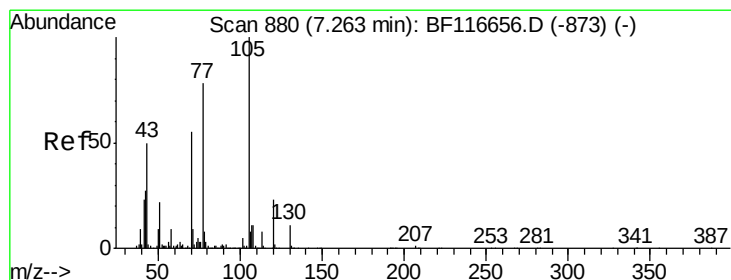
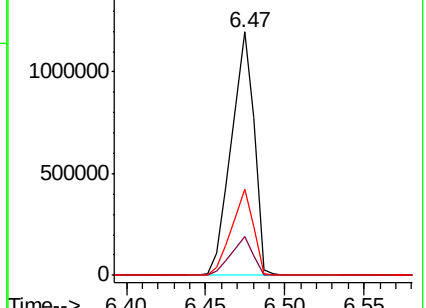
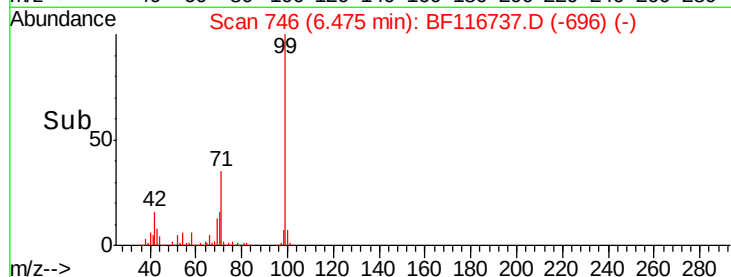
71 35.4 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.578 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116737.D

Acq: 1 Sep 2019 10:24

Tgt Ion: 70 Resp: 124169

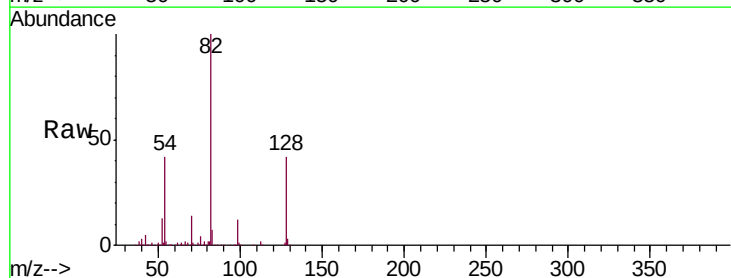
Ion Ratio Lower Upper

70 100

42 39.4 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

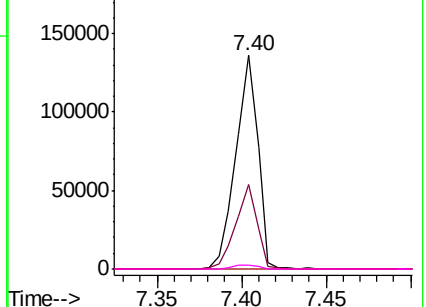
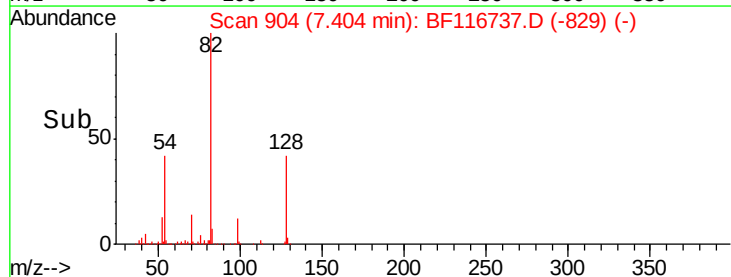


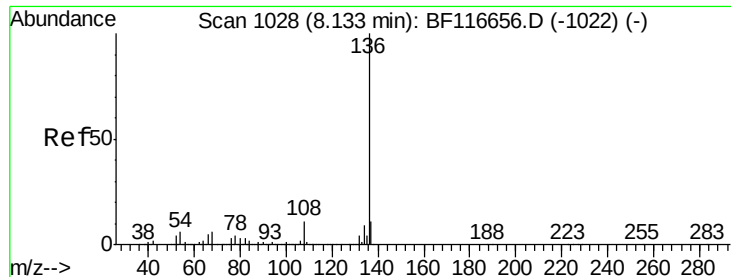
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

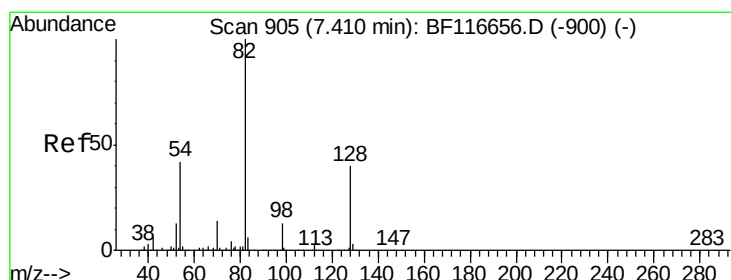
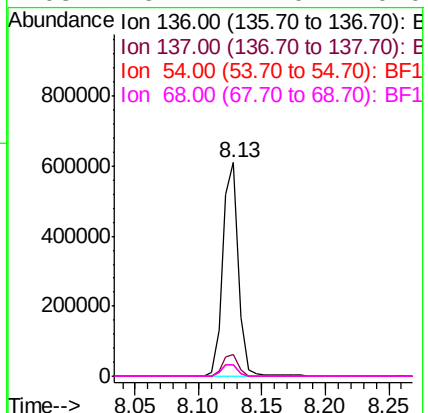
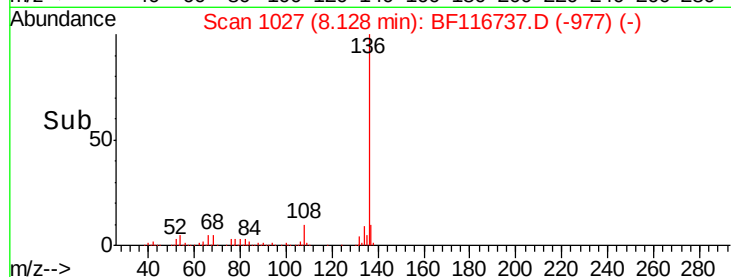
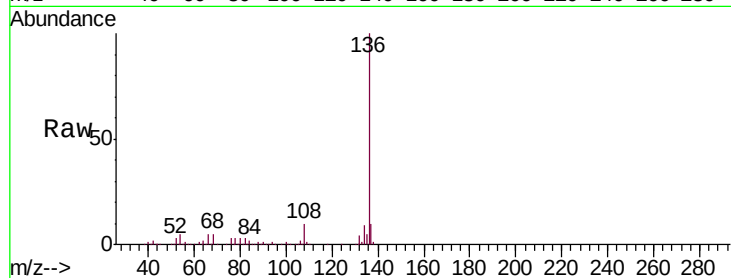




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

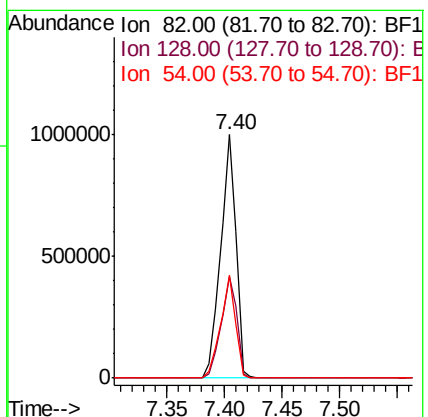
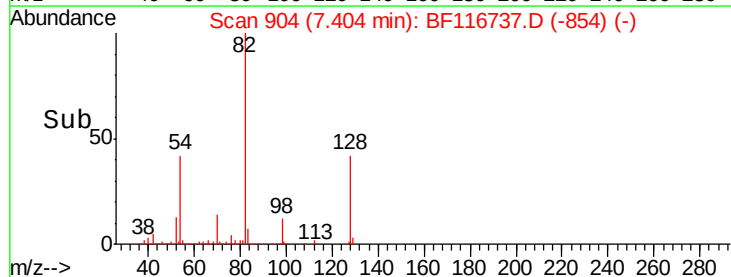
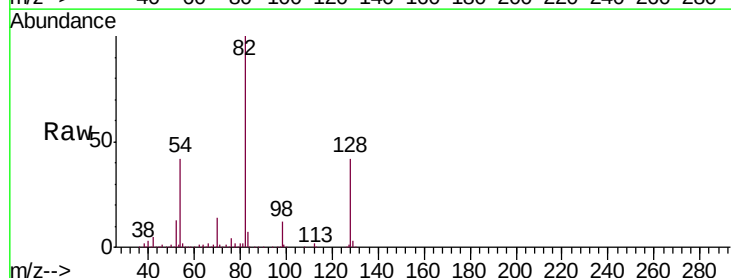
Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

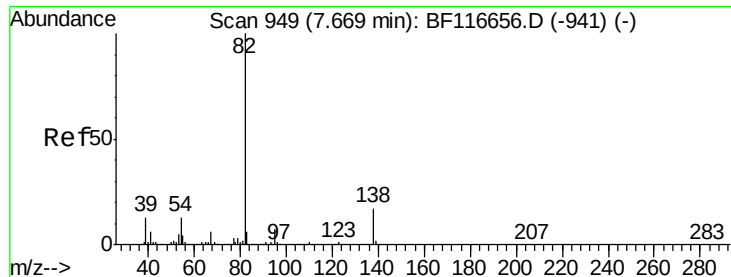
Tgt Ion:	136	Resp:	525255
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.2	4.8	7.2
68	5.4	4.0	6.0



#23
Nitrobenzene-d5
Concen: 100.827 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

Tgt Ion:	82	Resp:	927702
Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.8	49.2
54	42.5	36.9	55.3





#25

Isophorone

Concen: 49.758 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116737.D

Acq: 1 Sep 2019 10:24

Instrument :

BNA_F

ClientSampleId :

T12-G1-G4-(0-2.7)

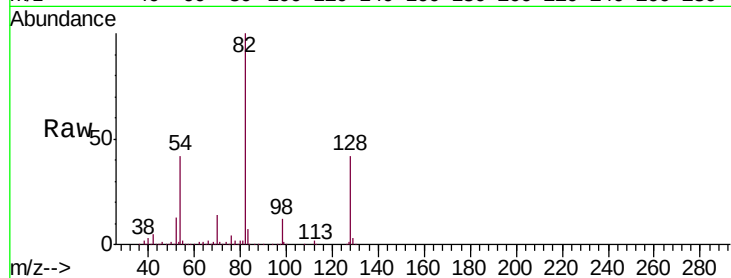
Tgt Ion: 82 Resp: 927690

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

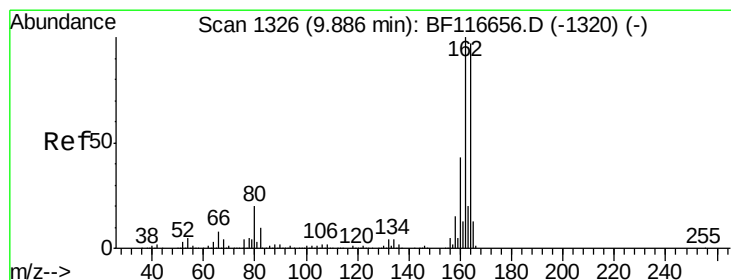
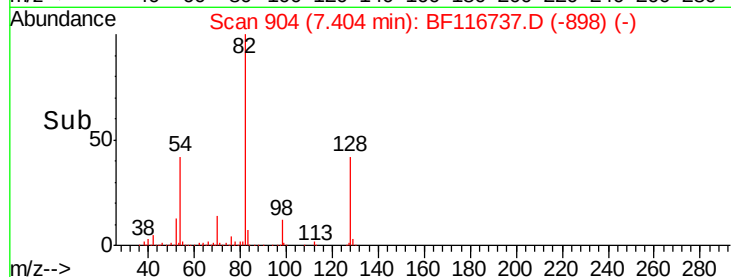
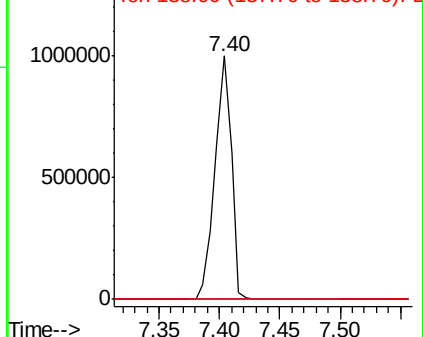
138 0.0 13.5 20.3#



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: BF116737.D

Acq: 1 Sep 2019 10:24

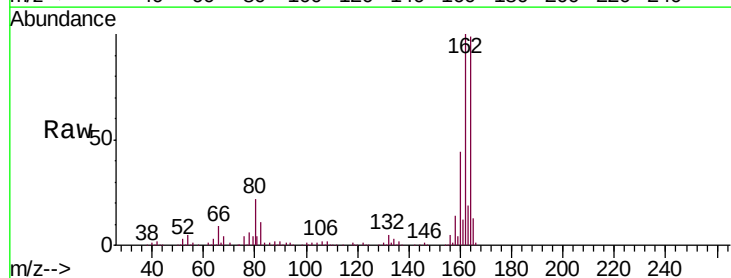
Tgt Ion: 164 Resp: 279113

Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.0

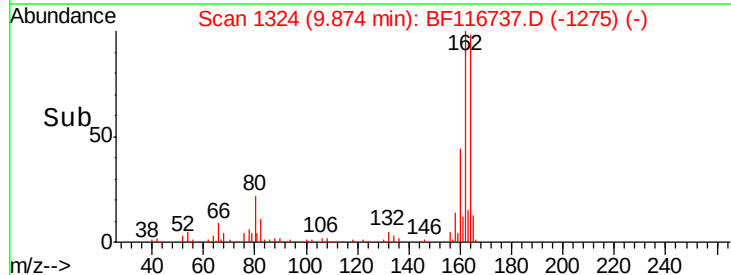
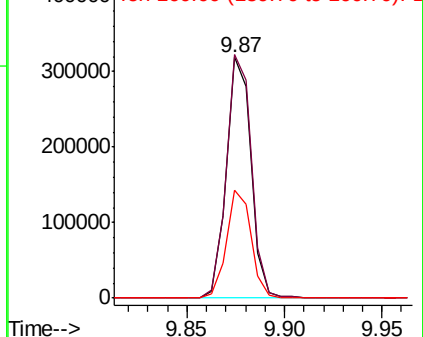
160 45.0 35.4 53.2

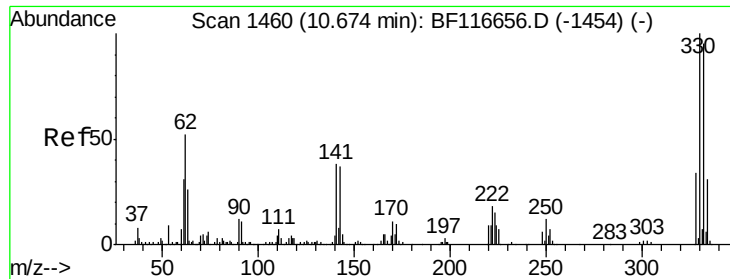


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

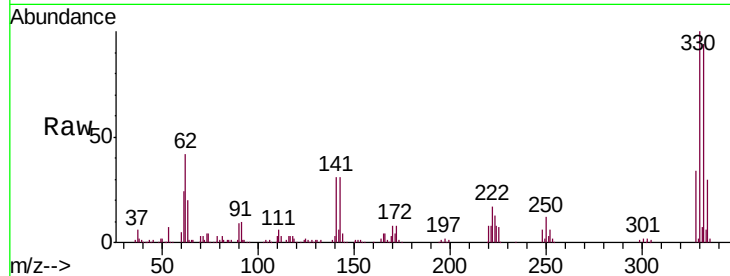




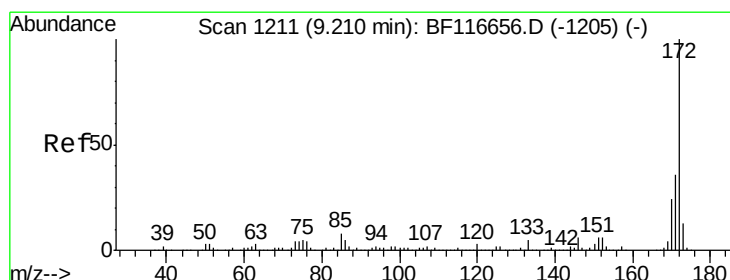
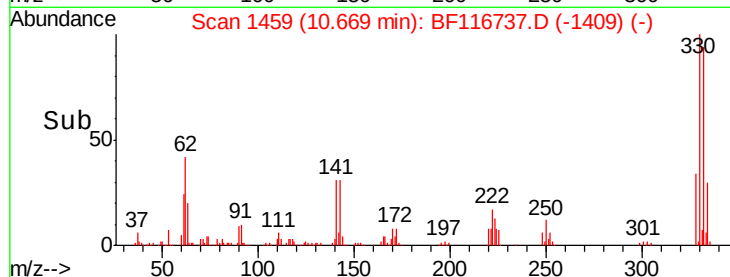
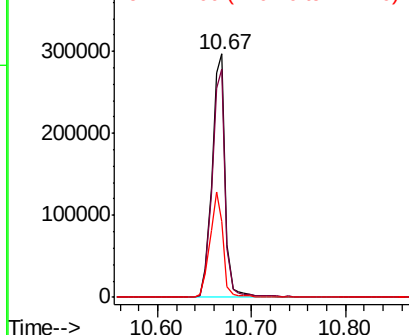
#42
 2,4,6-Tribromophenol
 Concen: 160.131 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116737.D
 Acq: 1 Sep 2019 10:24

Instrument :
 BNA_F
 ClientSampleId :
 T12-G1-G4-(0-2.7)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.9	115.3
141	42.5	31.4	47.2

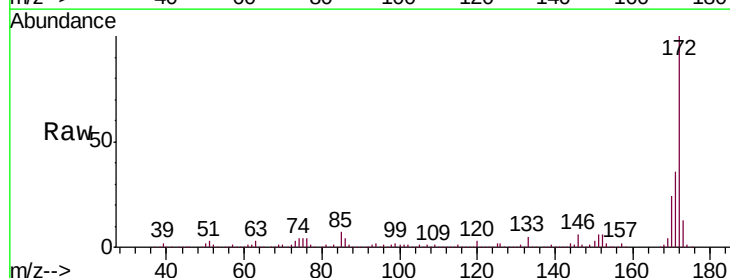


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

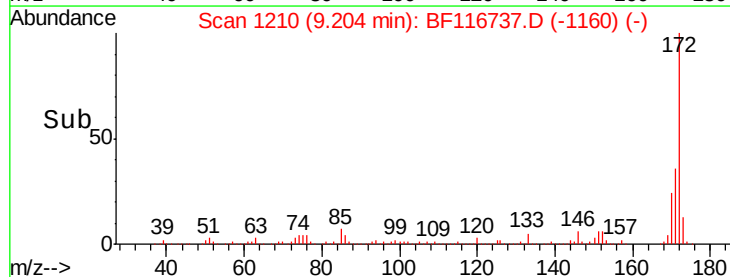
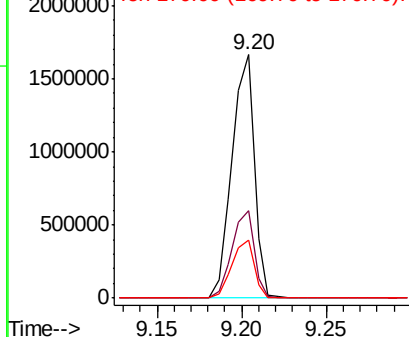


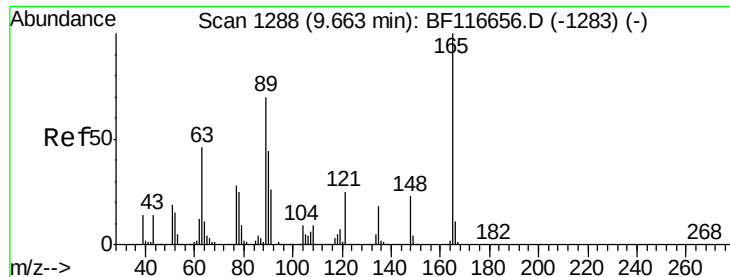
#45
 2-Fluorobiphenyl
 Concen: 92.892 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116737.D
 Acq: 1 Sep 2019 10:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	24.0	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

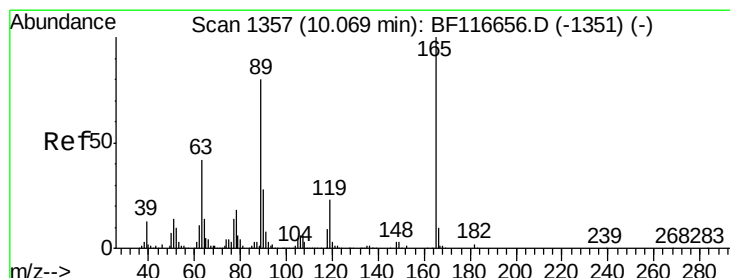
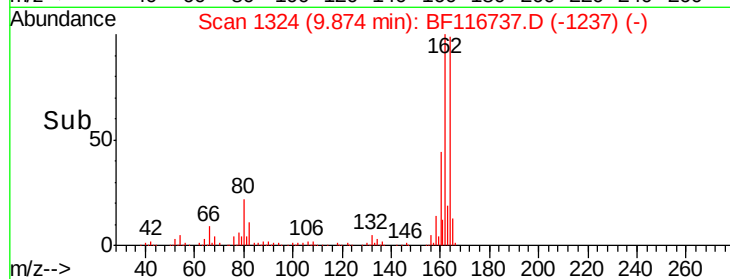
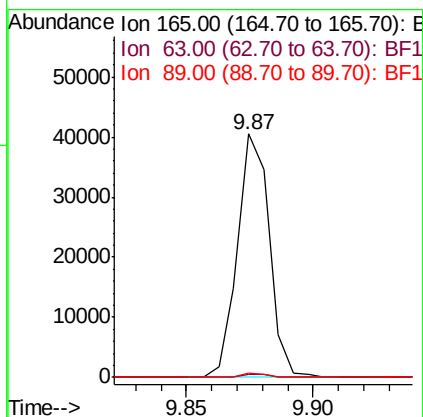
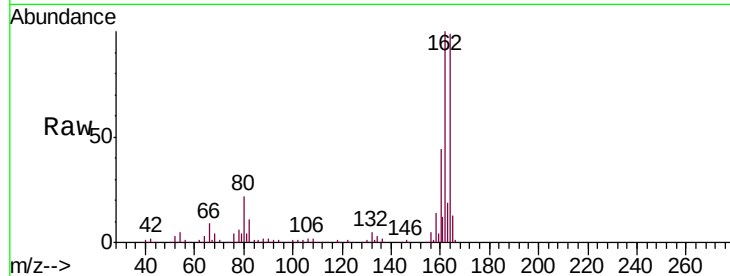




#51
 2,6-Dinitrotoluene
 Concen: 9.597 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF116737.D
 Acq: 1 Sep 2019 10:24

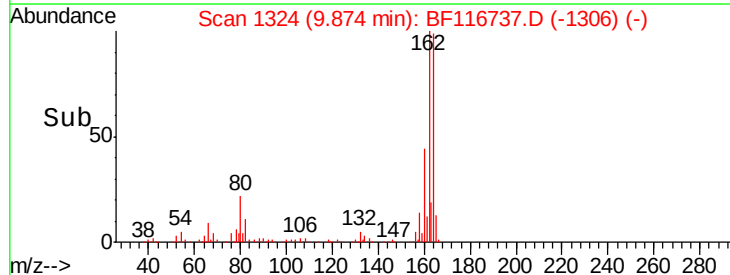
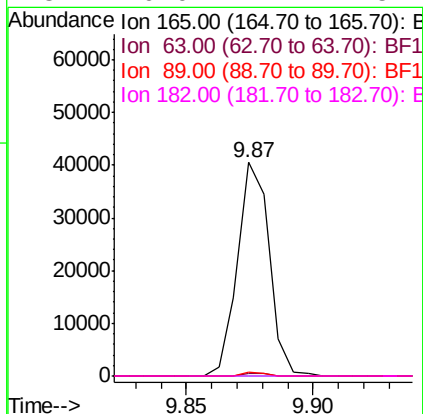
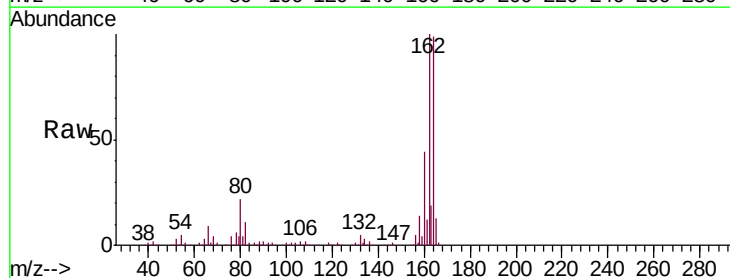
Instrument :
 BNA_F
 ClientSampleId :
 T12-G1-G4-(0-2.7)

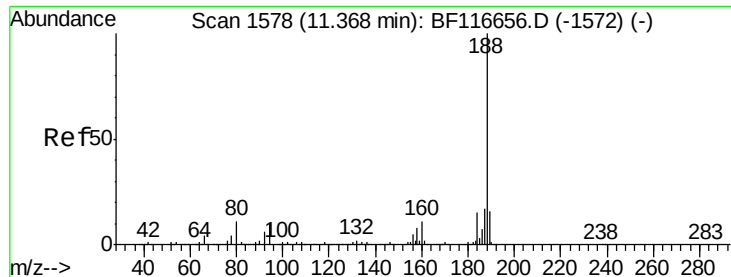
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	47.3	70.9#
89	1.6	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 7.849 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF116737.D
 Acq: 1 Sep 2019 10:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#

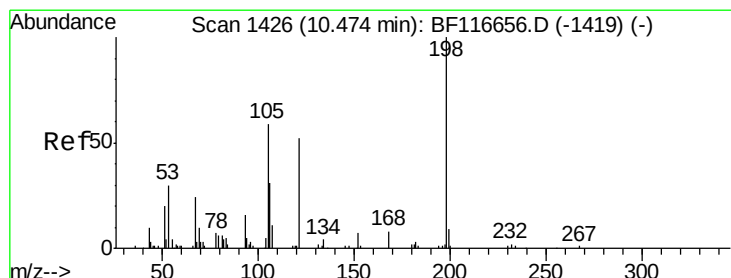
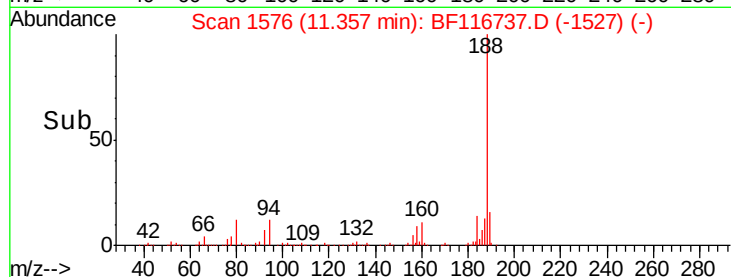
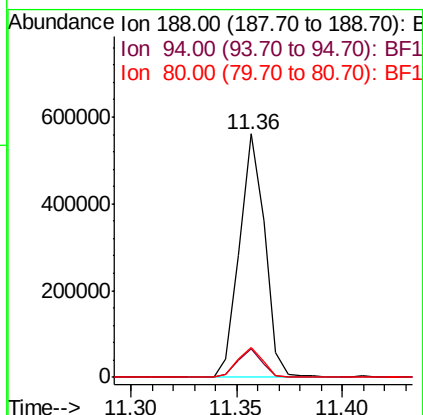
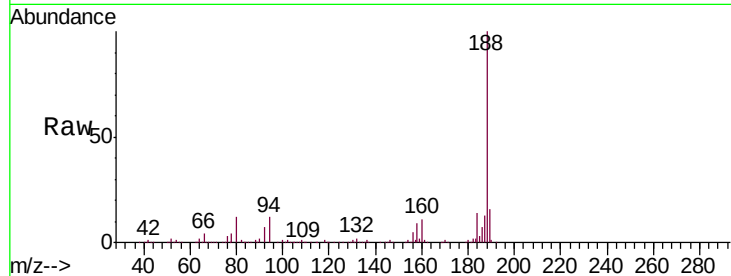




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

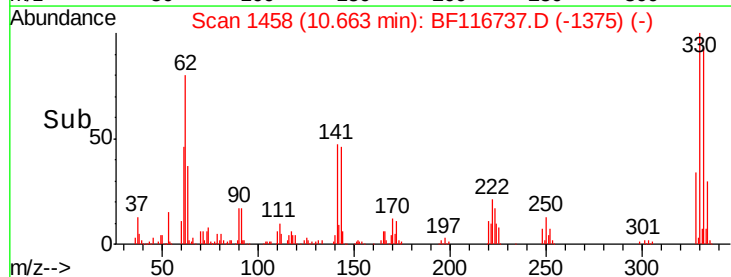
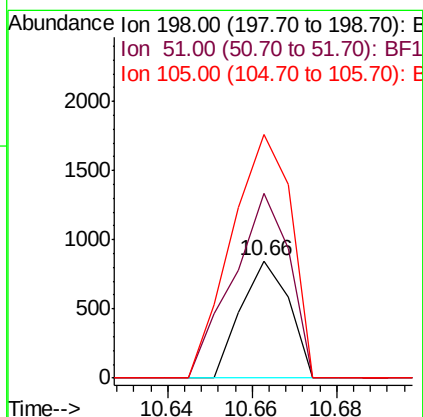
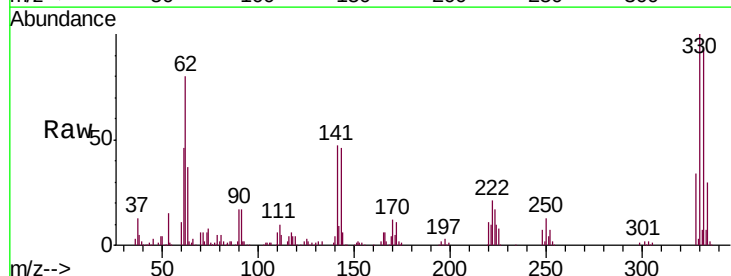
Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

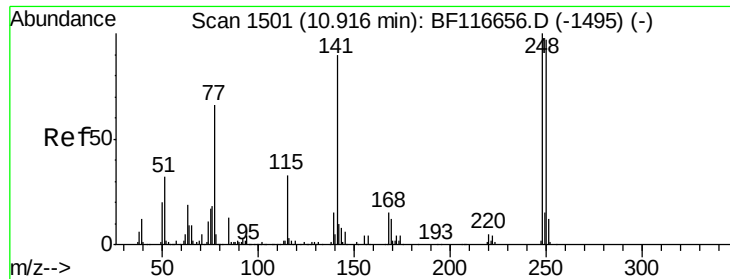
Tgt Ion:188 Resp: 466458
Ion Ratio Lower Upper
188 100
94 11.5 7.3 10.9#
80 12.3 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.783 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

Tgt Ion:198 Resp: 674
Ion Ratio Lower Upper
198 100
51 158.0 18.4 58.4#
105 207.7 22.9 62.9#

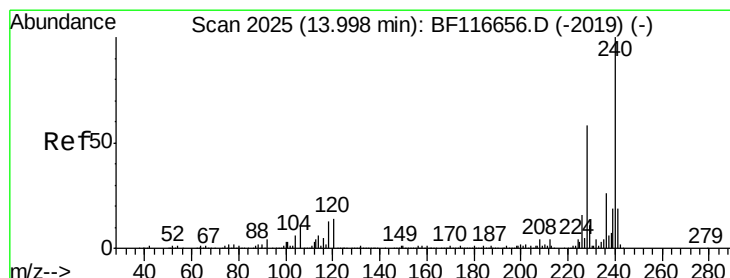
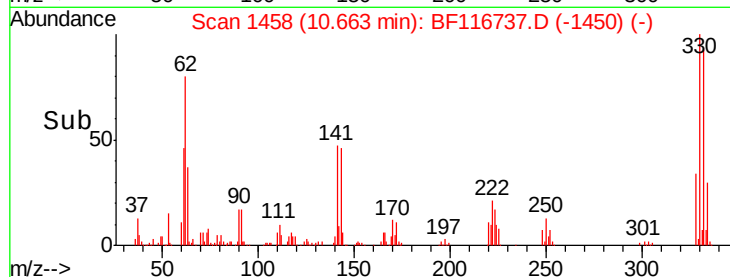
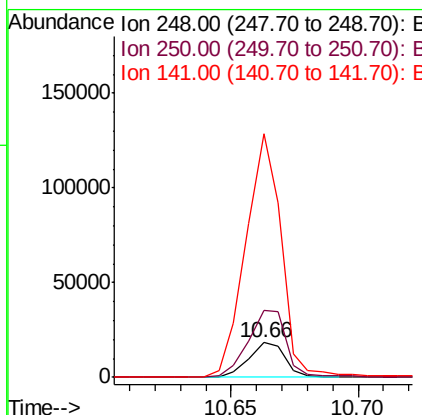
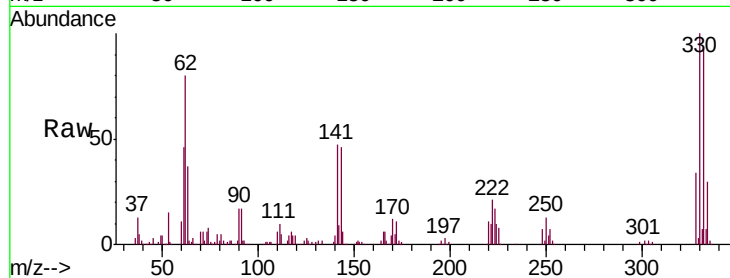




#67
4-Bromophenyl-phenylether
Concen: 3.894 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

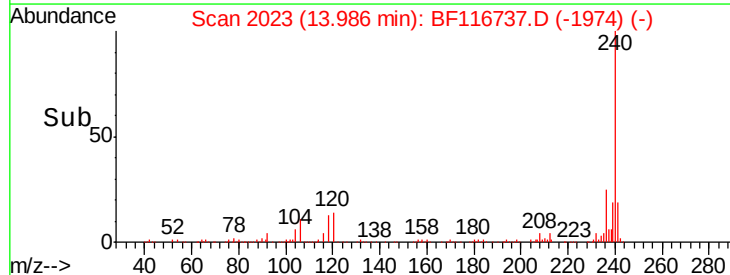
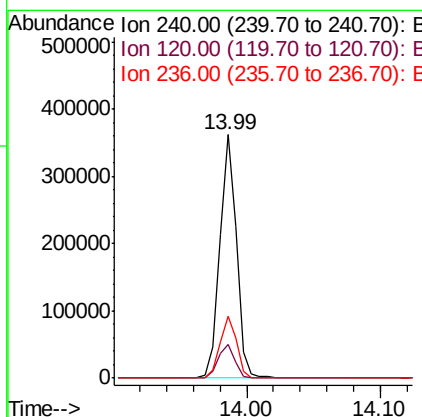
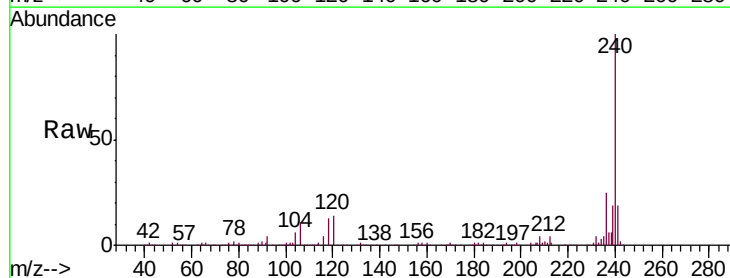
Instrument :
BNA_F
ClientSampleId :
T12-G1-G4-(0-2.7)

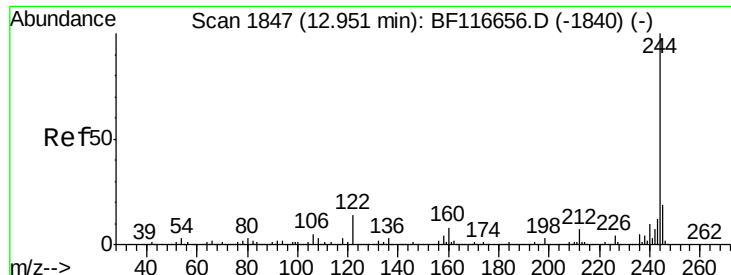
Tgt Ion: 248 Resp: 18454
Ion Ratio Lower Upper
248 100
250 195.7 77.8 116.8#
141 709.0 75.9 113.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116737.D
Acq: 1 Sep 2019 10:24

Tgt Ion: 240 Resp: 319392
Ion Ratio Lower Upper
240 100
120 14.0 9.1 13.7#
236 25.3 21.1 31.7





#79

Terphenyl-d14

Concen: 92.221 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116737.D

Acq: 1 Sep 2019 10:24

Instrument :

BNA_F

ClientSampleId :

T12-G1-G4-(0-2.7)

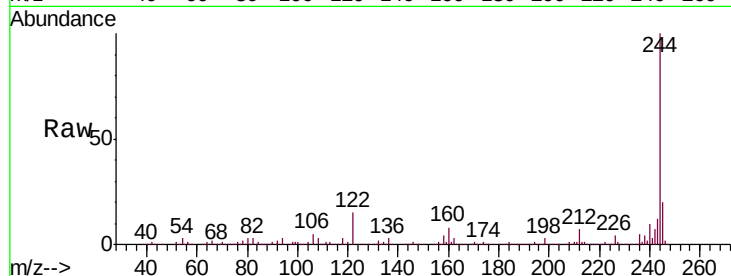
Tgt Ion:244 Resp: 1592185

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

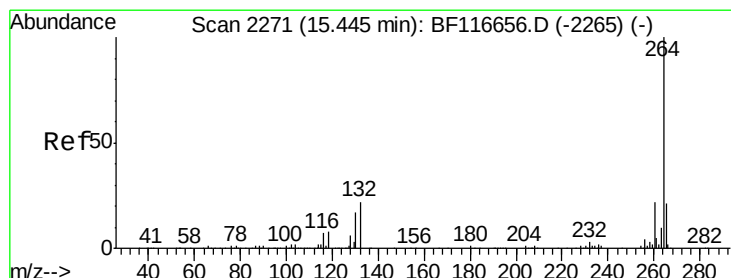
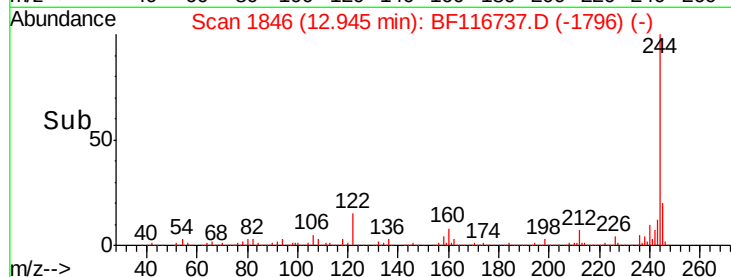
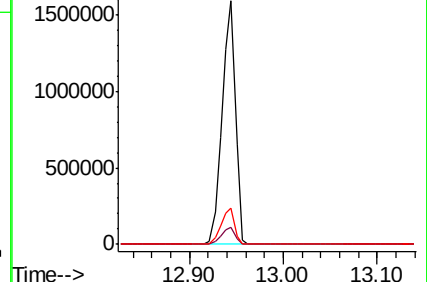
122 14.8 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF116737.D

Acq: 1 Sep 2019 10:24

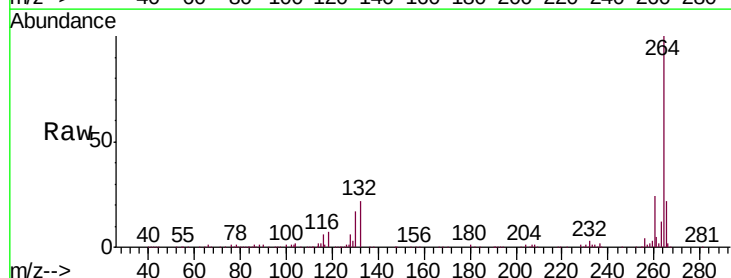
Tgt Ion:264 Resp: 326088

Ion Ratio Lower Upper

264 100

260 24.4 18.3 27.5

265 21.6 16.5 24.7



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

