

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116724.D
 Acq On : 1 Sep 2019 4:34
 Operator : HP/JU
 Sample : K4526-39
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-L-(0-1.9)

Quant Time: Sep 01 06:30:18 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

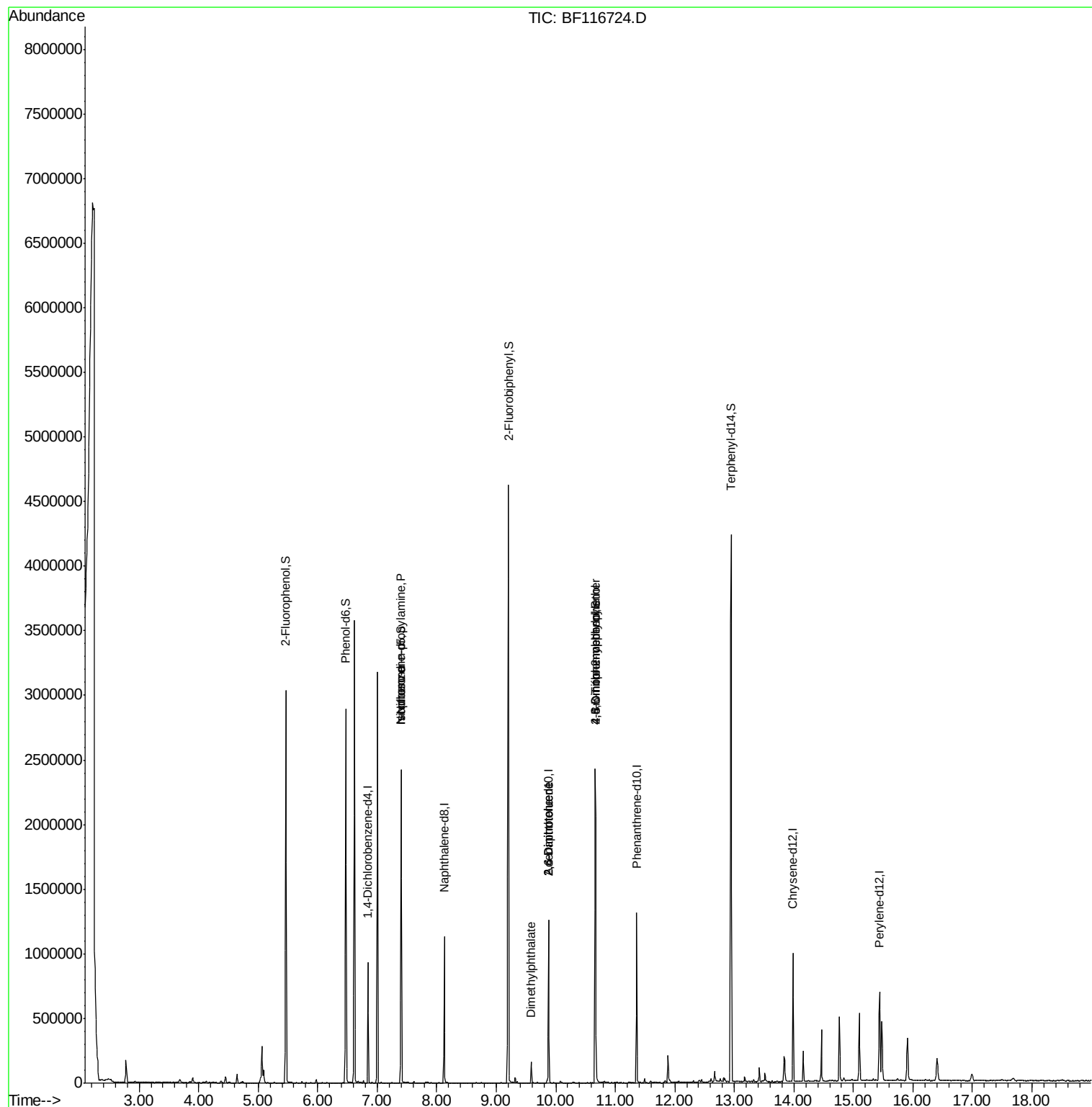
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121211	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	480276	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	254272	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	430422	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	288473	20.00	ng	-0.01
87) Perylene-d12	15.44	264	301909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	884588	118.23	ng	0.00
7) Phenol-d6	6.47	99	1072034	109.12	ng	0.00
23) Nitrobenzene-d5	7.40	82	839808	99.82	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	267236	157.21	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1389612	92.19	ng	0.00
79) Terphenyl-d14	12.94	244	1442205	92.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	111534	17.242	ng	# 74
25) Isophorone	7.40	82	839794	49.262	ng	# 66
50) Dimethylphthalate	9.59	163	62966	3.587	ng	100
51) 2,6-Dinitrotoluene	9.88	165	32754	9.779	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	32754	7.998	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	631	7.787	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	18243	4.172	ng	# 1

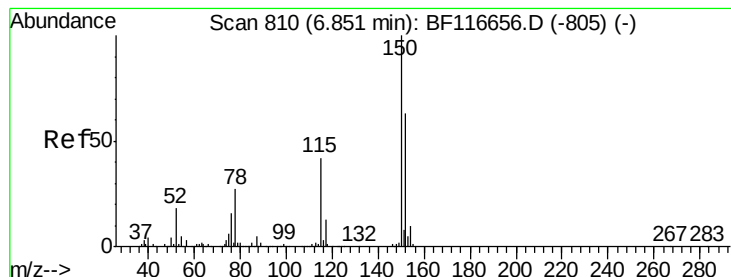
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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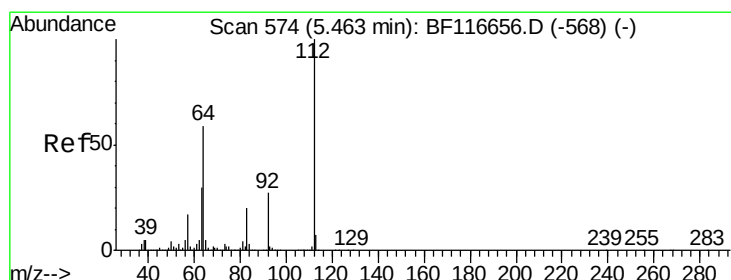
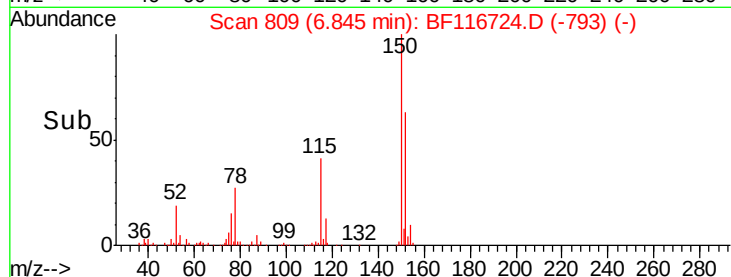
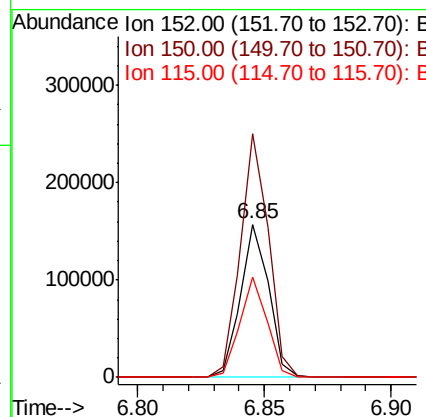
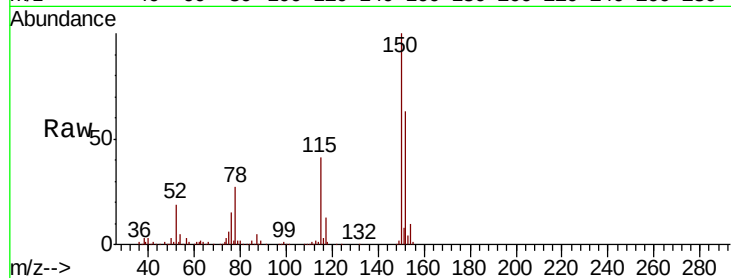


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Instrument :
BNA_F
ClientSampleId :
T9-12-13-L-(0-1.9)

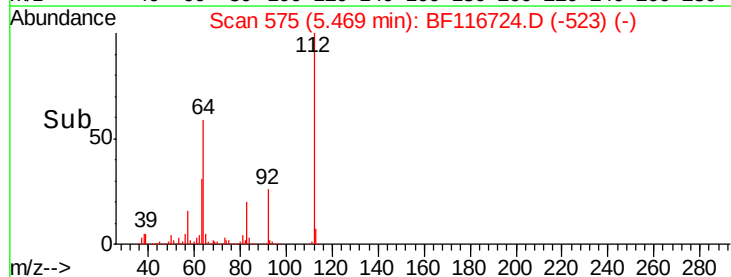
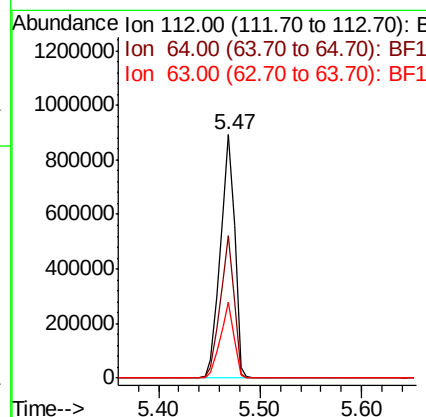
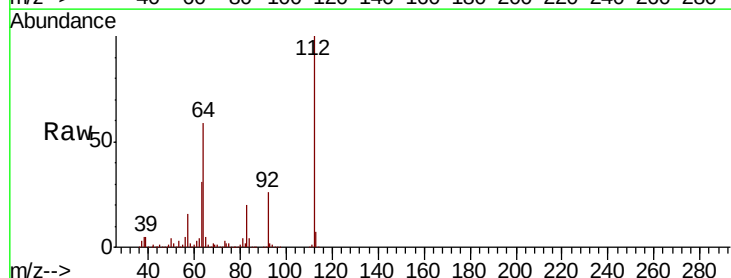
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.4	186.6
115	65.6	49.9	74.9

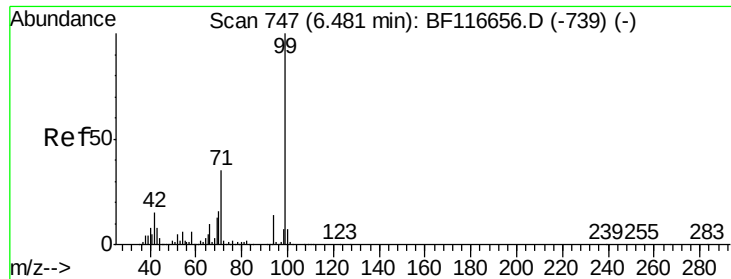


#5

2-Fluorophenol
Concen: 118.230 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.1	70.7
63	31.2	24.9	37.3





#7

Phenol-d6

Concen: 109.118 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

Instrument :

BNA_F

ClientSampleId :

T9-12-13-L-(0-1.9)

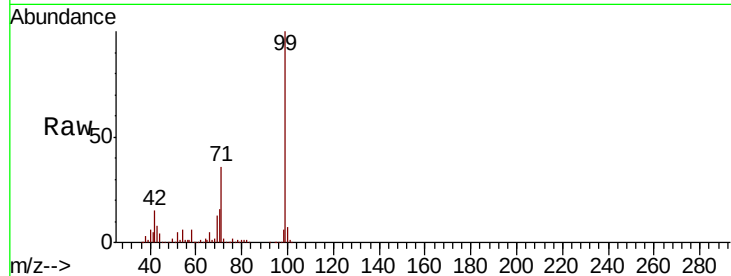
Tot Ion: 99 Resp: 1072034

Ion Ratio Lower Upper

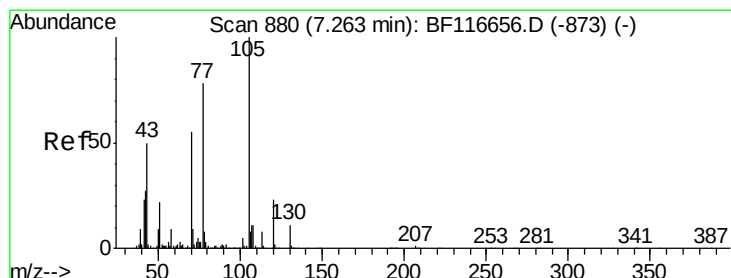
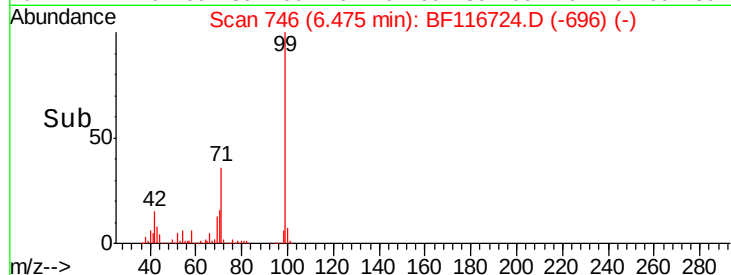
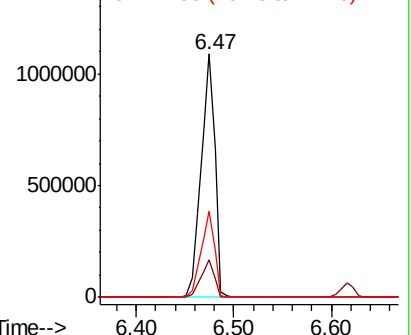
99 100

42 15.5 13.7 20.5

71 35.6 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: 17.242 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

Tgt Ion: 70 Resp: 111534

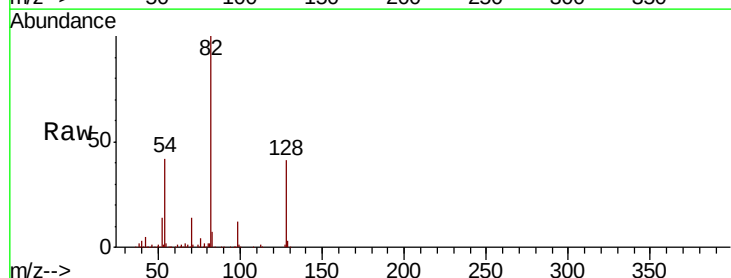
Ion Ratio Lower Upper

70 100

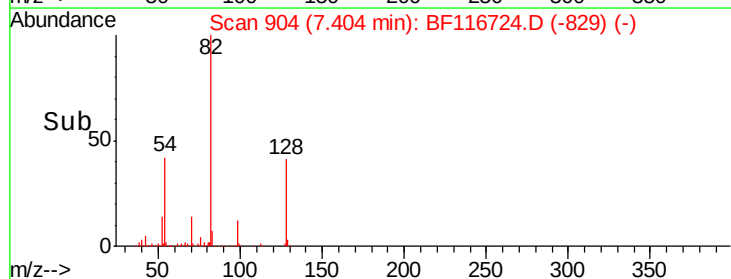
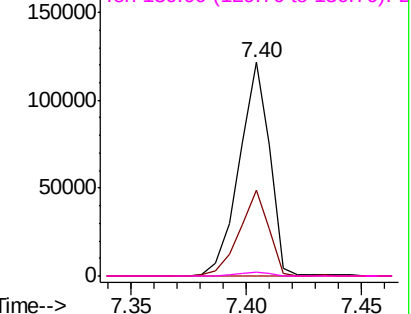
42 40.2 43.5 65.3#

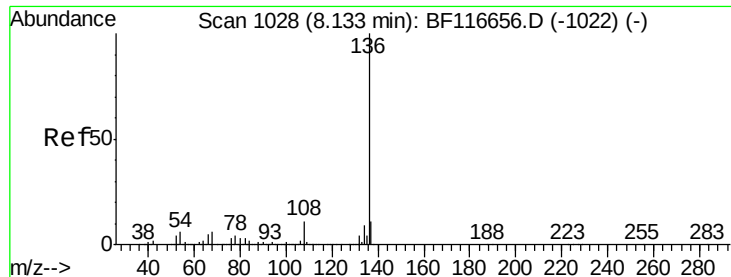
101 0.0 7.8 11.6#

130 1.9 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

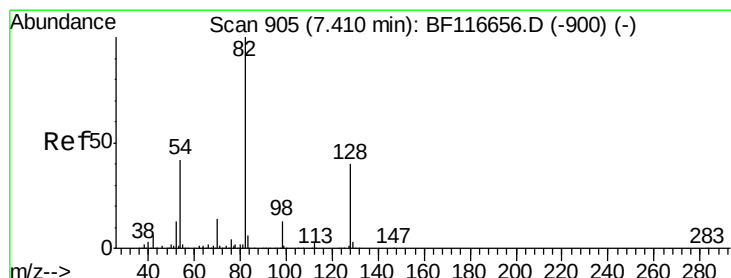
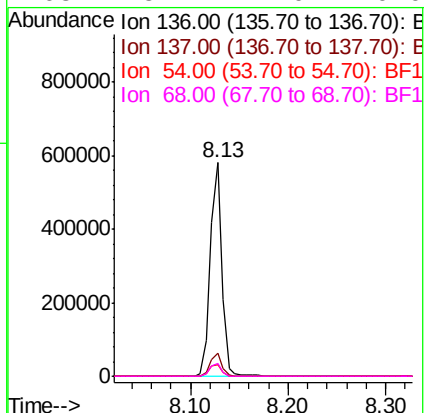
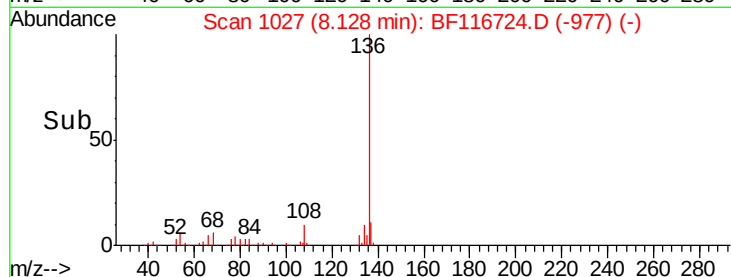
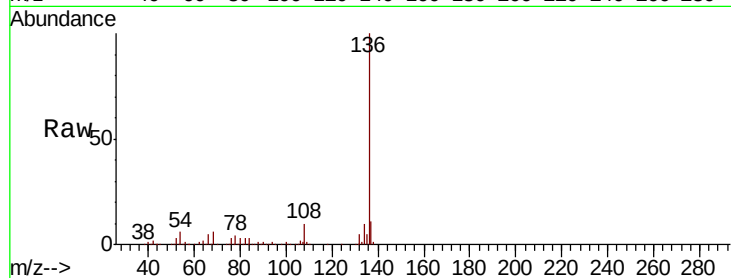




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

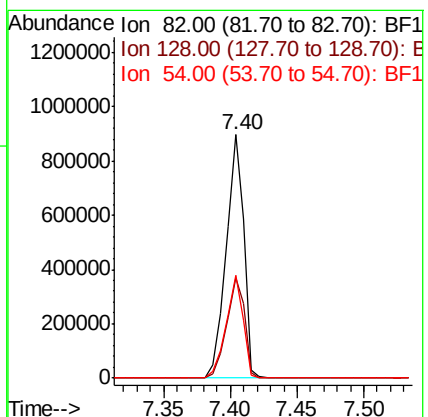
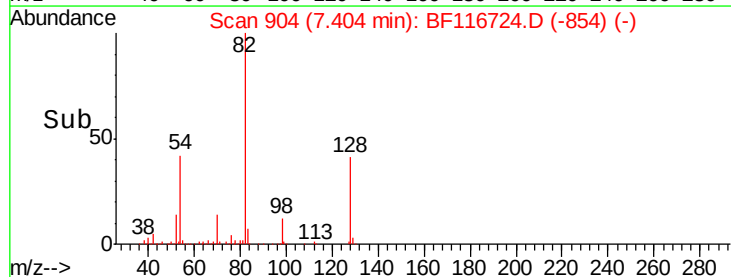
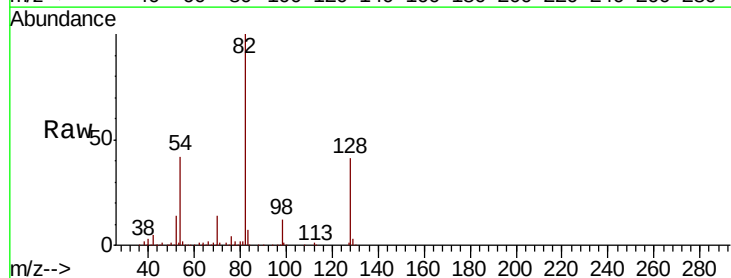
Instrument :
BNA_F
ClientSampleId :
T9-12-13-L-(0-1.9)

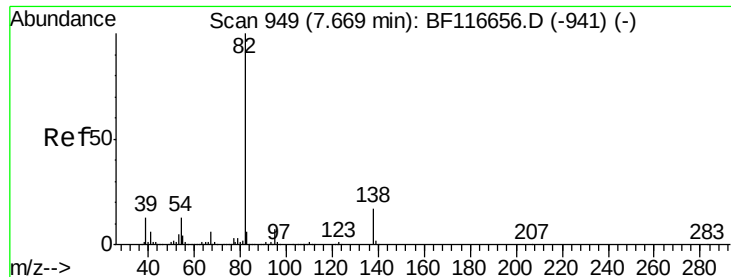
Tot Ion:136	Resp:	480276
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 5.7	4.8	7.2
68 5.7	4.0	6.0



#23
Nitrobenzene-d5
Concen: 99.823 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Tgt Ion: 82	Resp: 839808
Ion Ratio	Lower Upper
82 100	
128 41.0	32.8 49.2
54 42.3	36.9 55.3





#25

Isophorone

Concen: 49.262 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

Instrument :

BNA_F

ClientSampleId :

T9-12-13-L-(0-1.9)

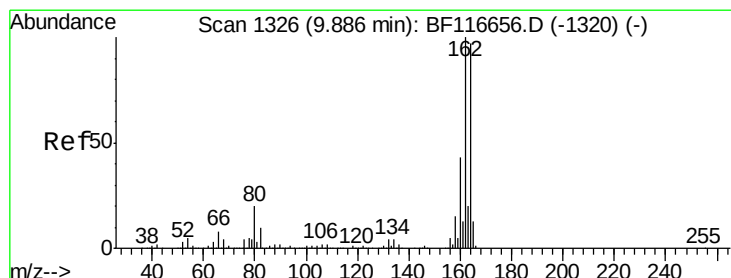
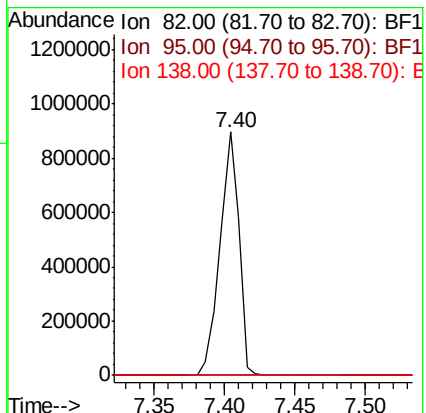
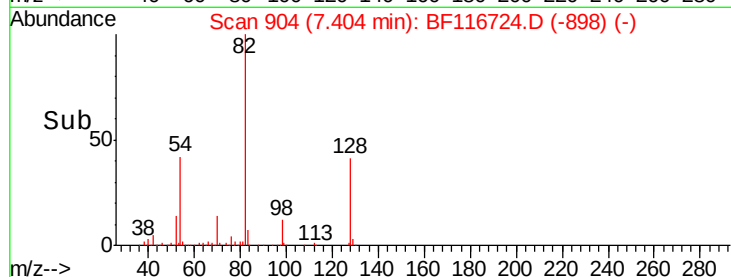
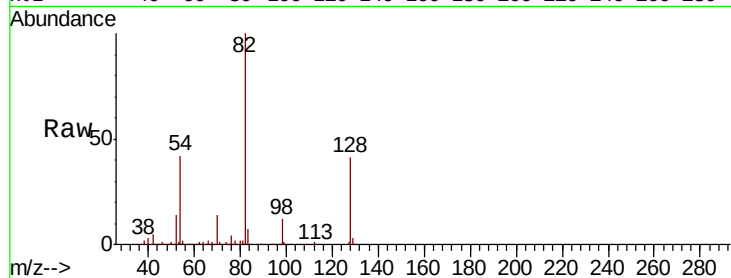
Tot Ion: 82 Resp: 839794

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

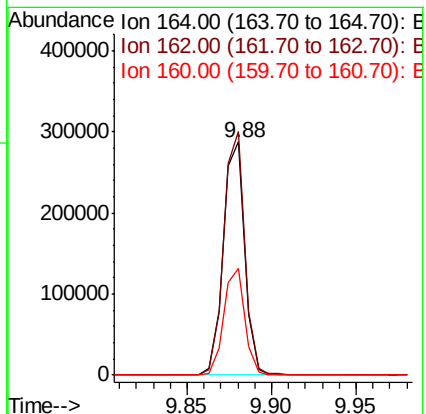
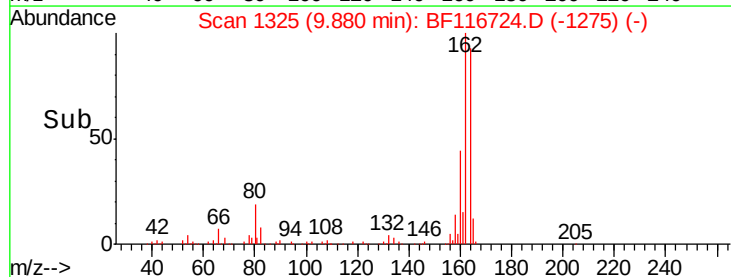
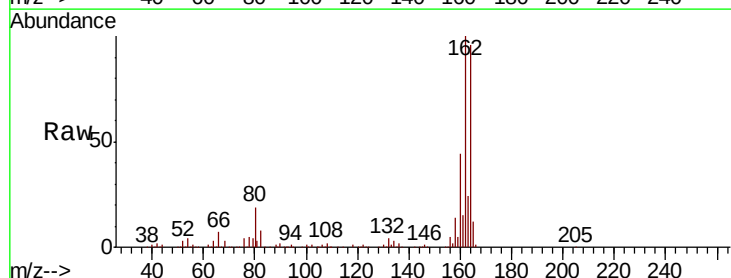
Tgt Ion: 164 Resp: 254272

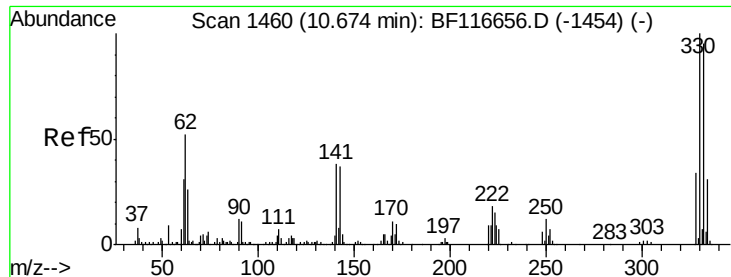
Ion Ratio Lower Upper

164 100

162 104.5 81.4 122.0

160 45.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 157.210 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

Instrument :

BNA_F

ClientSampleId :

T9-12-13-L-(0-1.9)

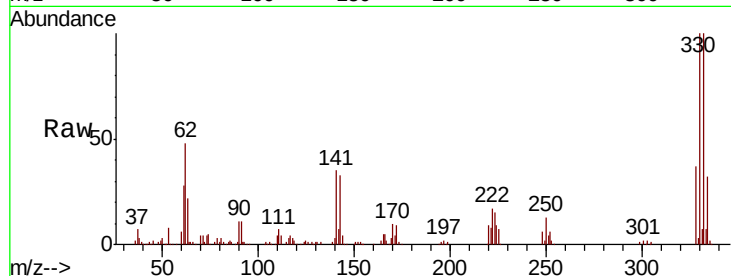
Tot Ion:330 Resp: 267236

Ion Ratio Lower Upper

330 100

332 98.3 76.9 115.3

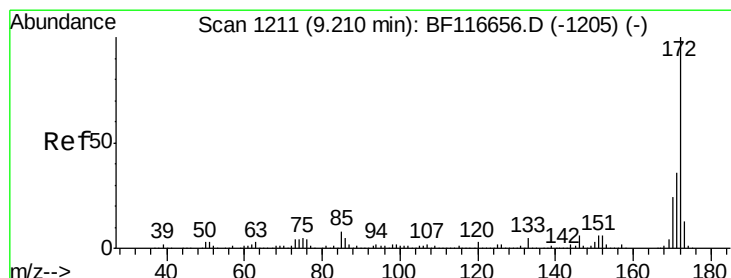
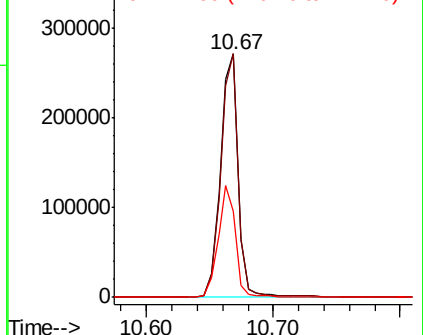
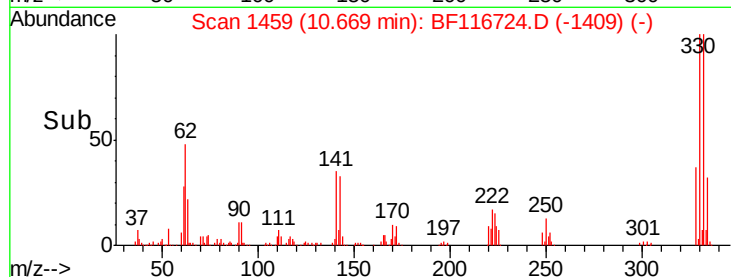
141 45.2 31.4 47.2



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: 92.190 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

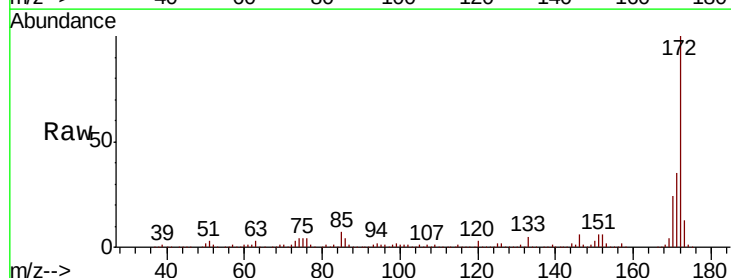
Tgt Ion:172 Resp: 1389612

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.6

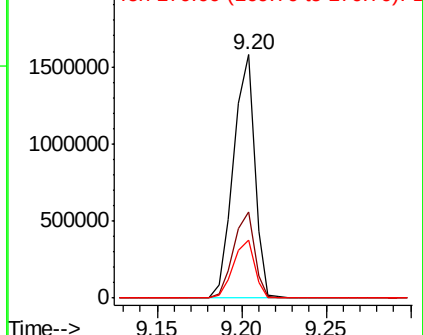
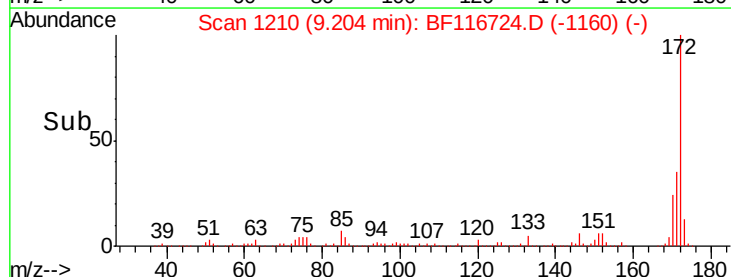
170 24.0 18.9 28.3

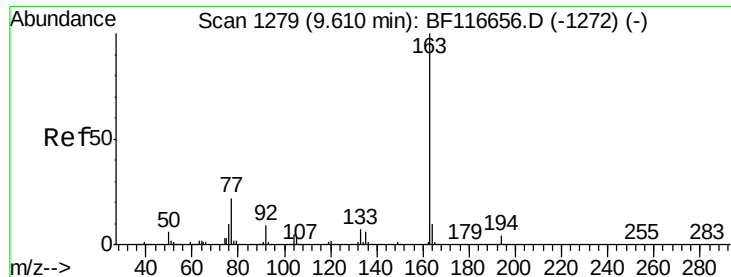


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

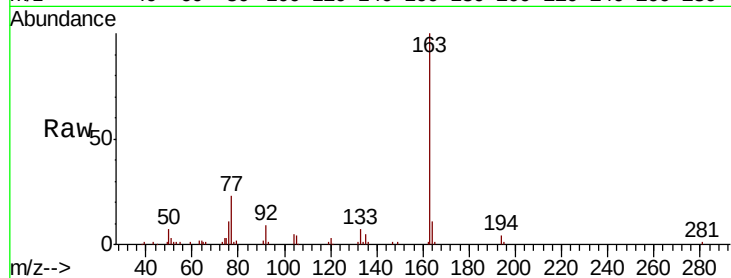




#50
Dimethylphthalate
Concen: 3.587 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Instrument :
BNA_F
ClientSampleId :
T9-12-13-L-(0-1.9)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.5	8.6	12.8

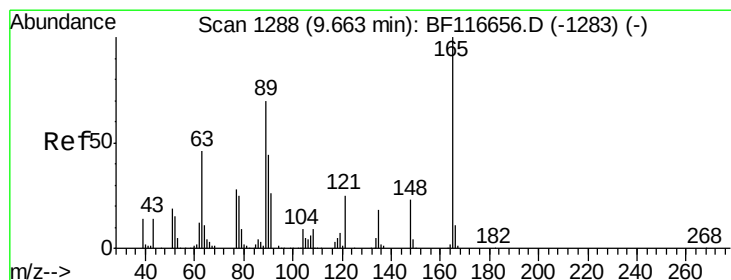
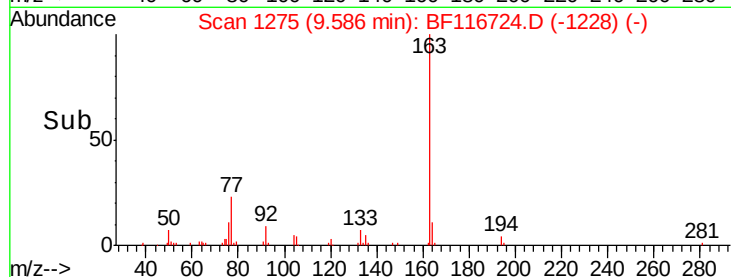
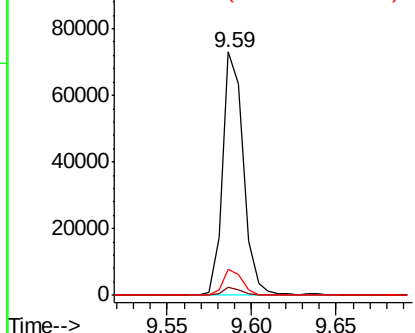


Abundance

Ion 163.00 (162.70 to 163.70): E

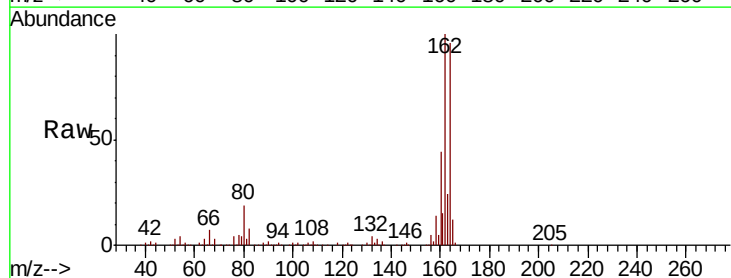
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.779 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.3	70.9#
89	1.4	52.5	78.7#

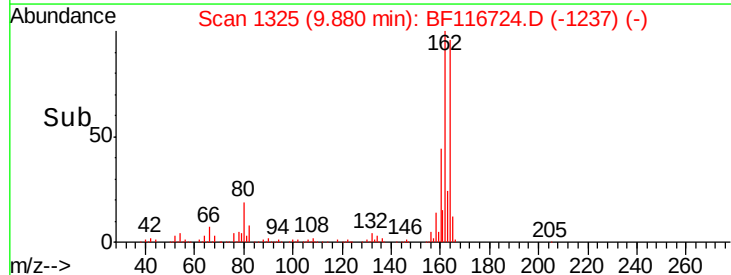
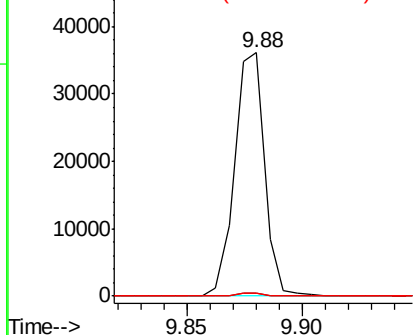


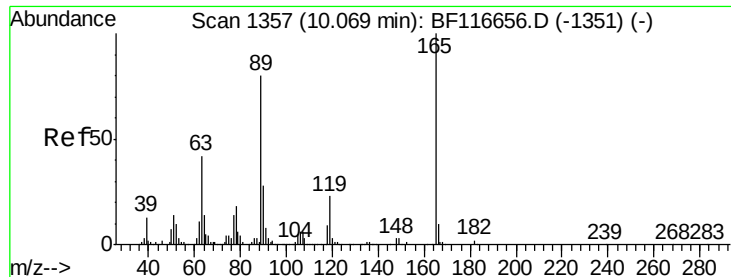
Abundance

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

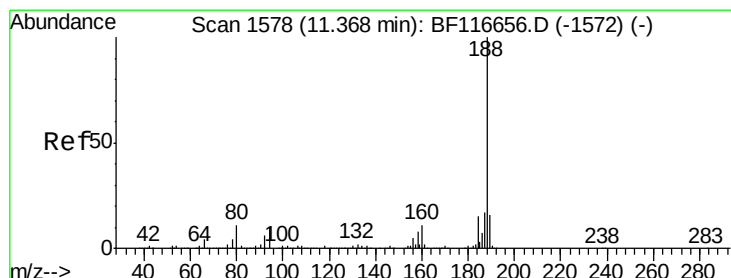
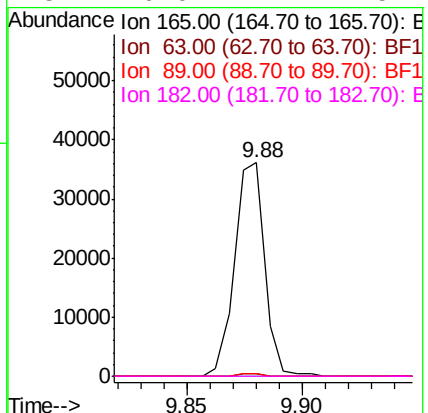
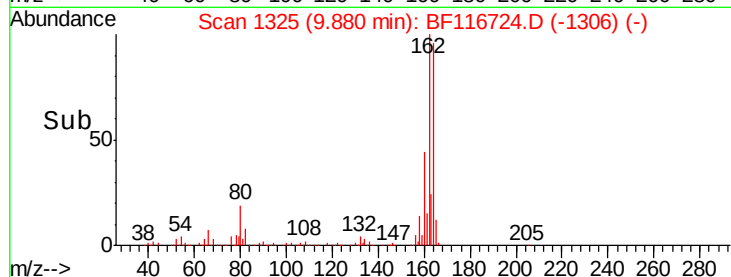
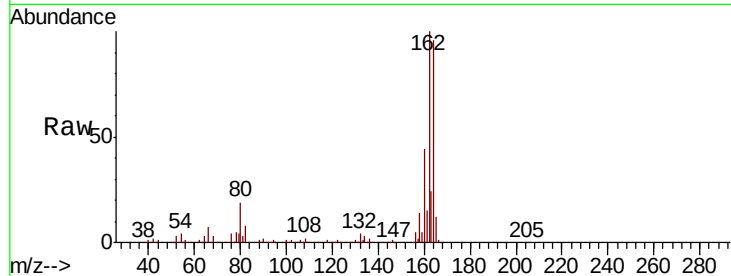




#57
2,4-Dinitrotoluene
Concen: 7.998 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

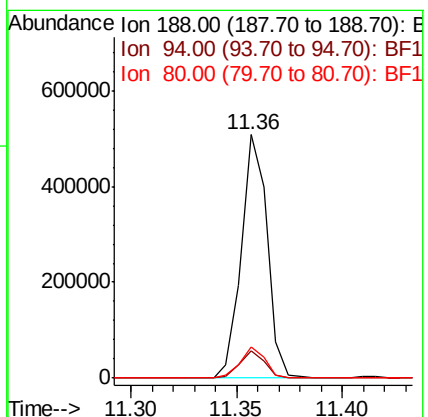
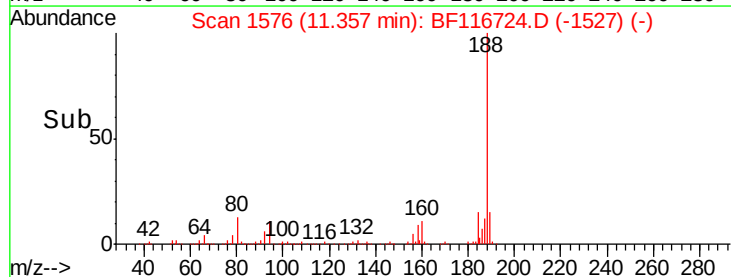
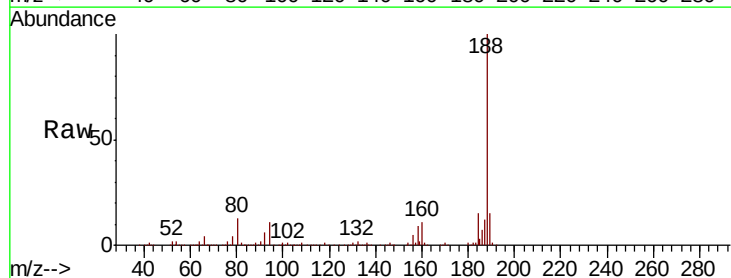
Instrument :
BNA_F
ClientSampleId :
T9-12-13-L-(0-1.9)

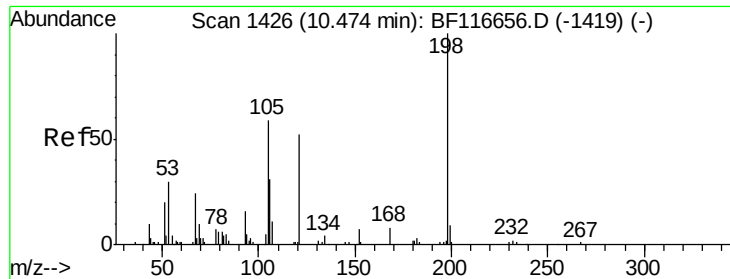
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	12.9	8.4	12.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 7.787 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

Instrument :

BNA_F

ClientSampleId :

T9-12-13-L-(0-1.9)

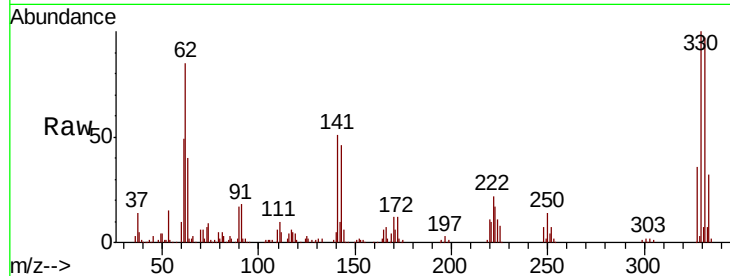
Tot Ion:198 Resp: 631

Ion Ratio Lower Upper

198 100

51 187.4 18.4 58.4#

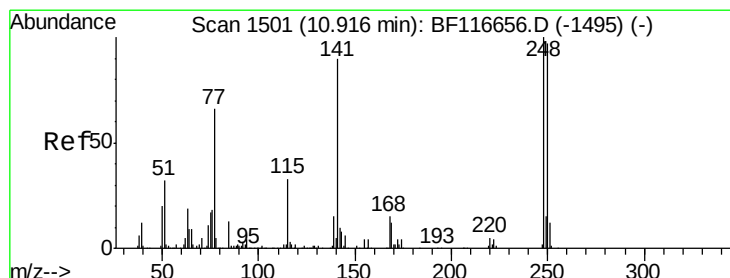
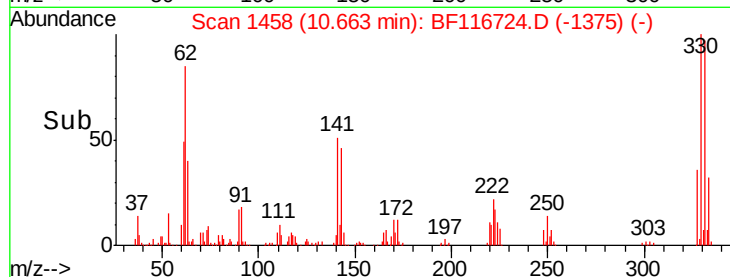
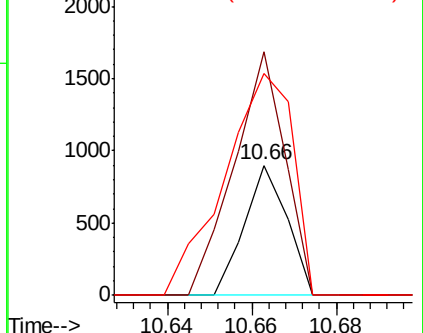
105 170.7 22.9 62.9#



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: 4.172 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116724.D

Acq: 1 Sep 2019 4:34

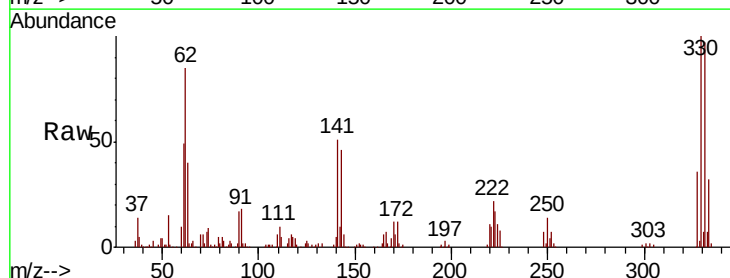
Tgt Ion:248 Resp: 18243

Ion Ratio Lower Upper

248 100

250 189.4 77.8 116.8#

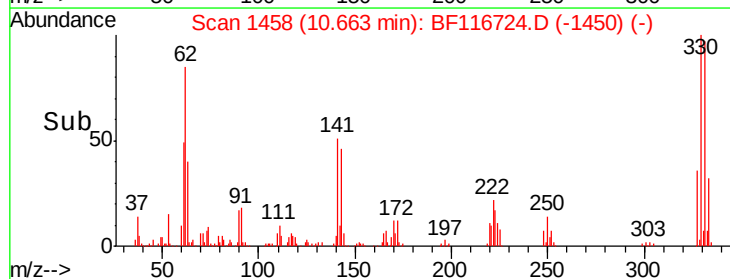
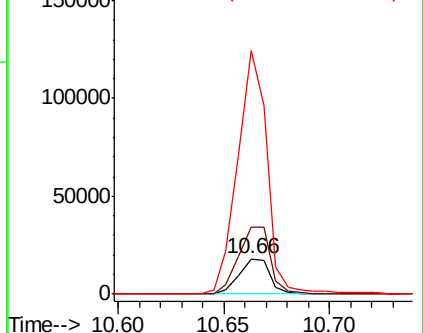
141 693.3 75.9 113.9#

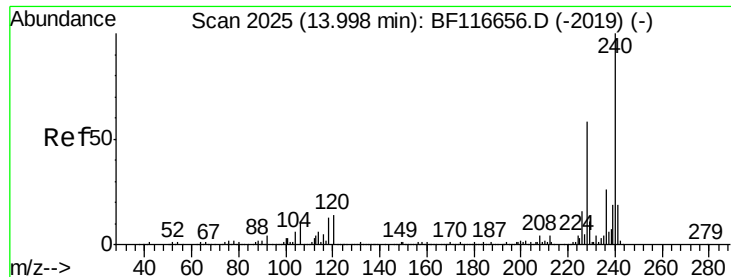


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

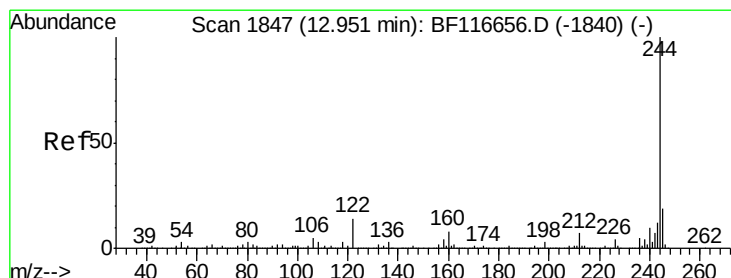
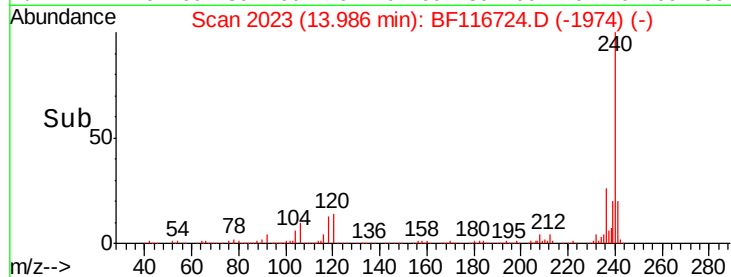
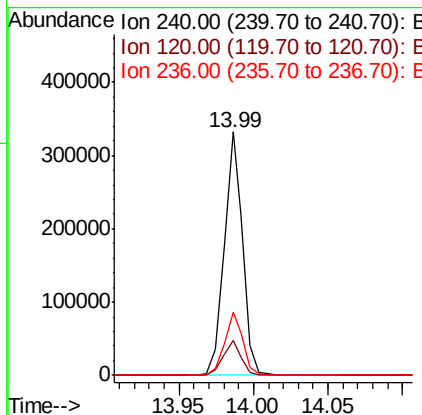
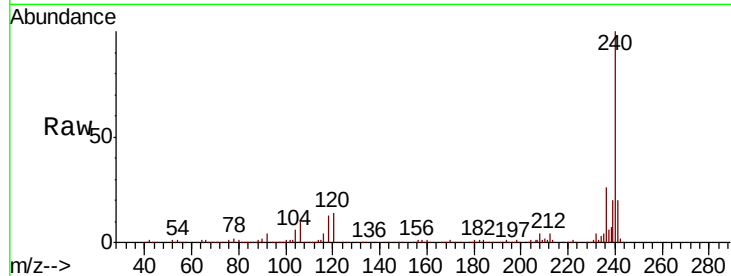




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116724.D
 Acq: 1 Sep 2019 4:34

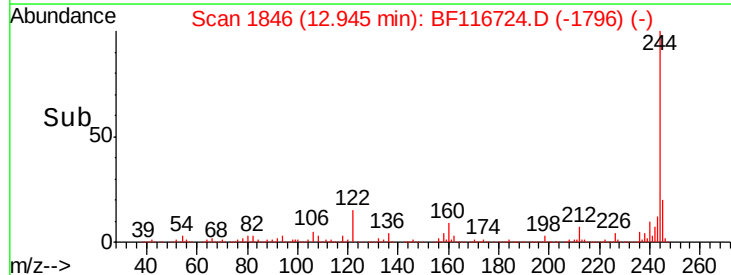
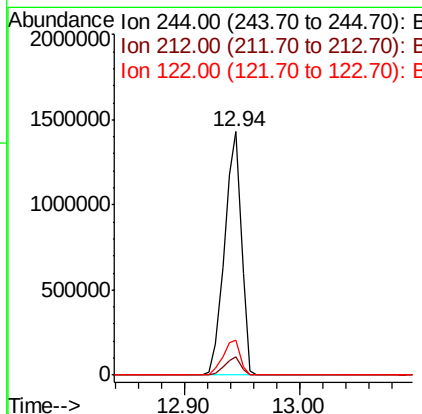
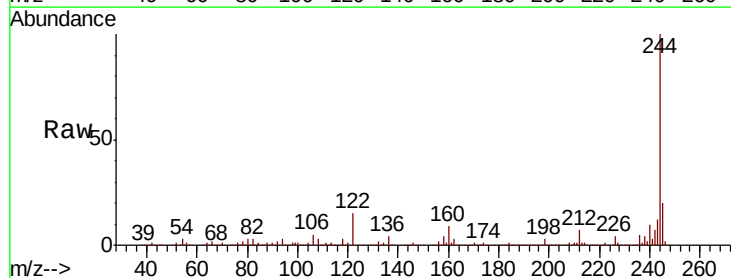
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-L-(0-1.9)

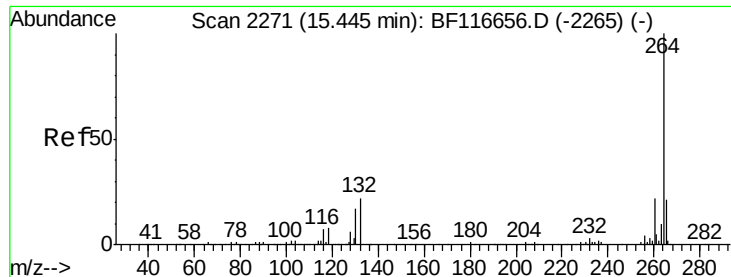
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.1	13.7#
236	26.0	21.1	31.7



#79
 Terphenyl-d14
 Concen: 92.487 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116724.D
 Acq: 1 Sep 2019 4:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.5	10.2	15.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116724.D
Acq: 1 Sep 2019 4:34

Instrument :
BNA_F
ClientSampleId :
T9-12-13-L-(0-1.9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.5	16.5	24.7

