

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116725.D
 Acq On : 1 Sep 2019 5:01
 Operator : HP/JU
 Sample : K4527-25
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Quant Time: Sep 01 06:30:28 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

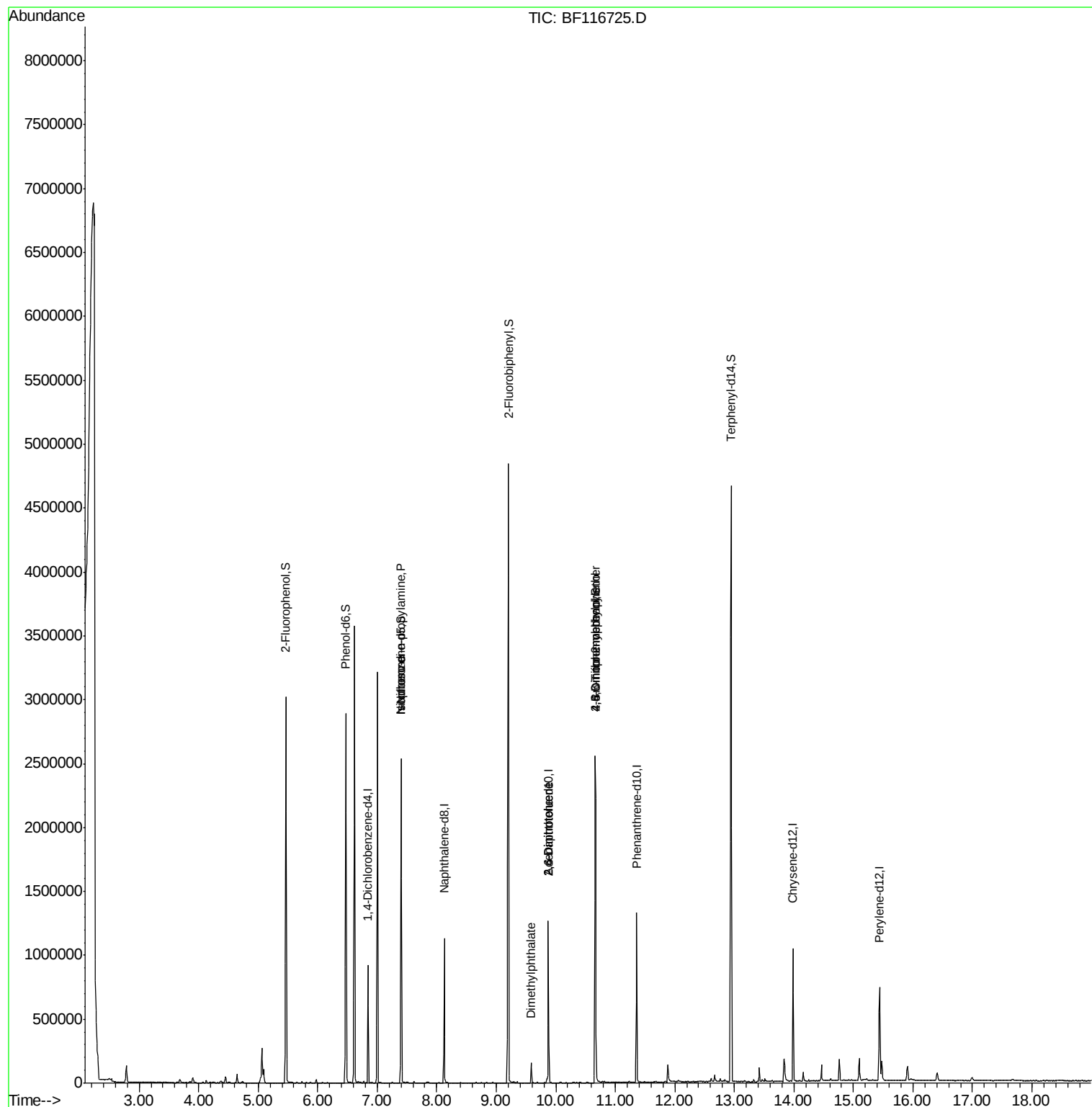
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	126060	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	493897	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	264064	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	440399	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	302492	20.00	ng	-0.01
87) Perylene-d12	15.44	264	308498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	908994	116.82	ng	0.00
7) Phenol-d6	6.47	99	1105506	108.20	ng	0.00
23) Nitrobenzene-d5	7.40	82	866365	100.14	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	288041	163.17	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1457852	93.13	ng	0.00
79) Terphenyl-d14	12.95	244	1530284	93.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	116762	17.356	ng	# 72
25) Isophorone	7.40	82	866356	49.418	ng	# 66
50) Dimethylphthalate	9.59	163	59875	3.284	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	34024	9.782	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	34024	8.000	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	764	7.849	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	19378	4.331	ng	# 1

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

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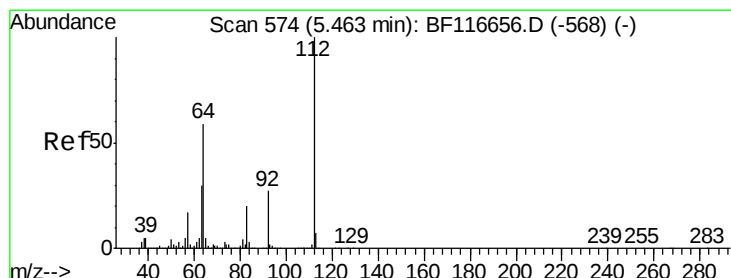
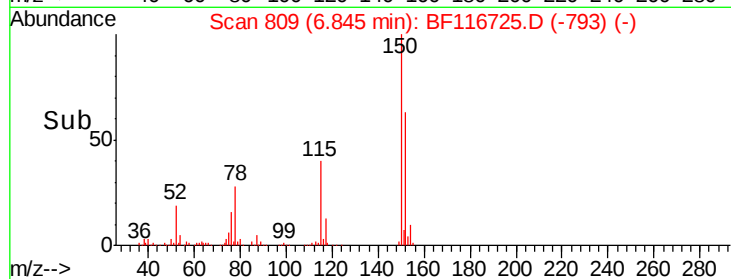
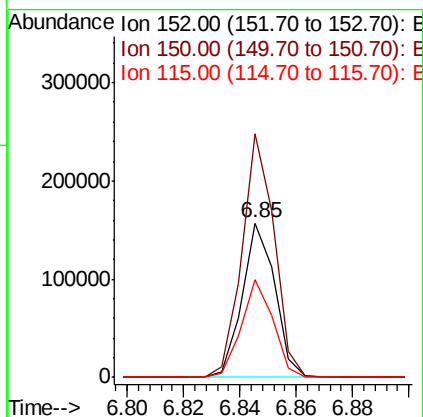
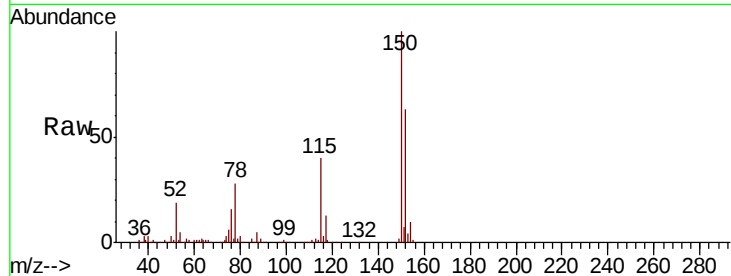


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116725.D
Acq: 1 Sep 2019 5:01

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

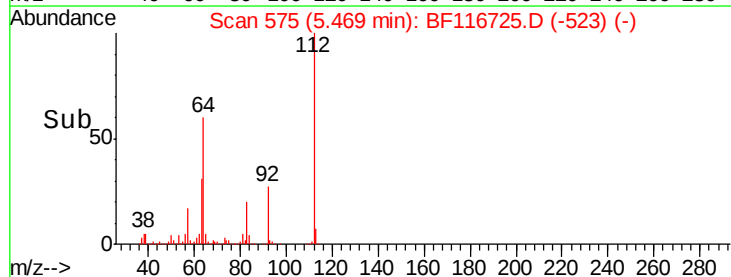
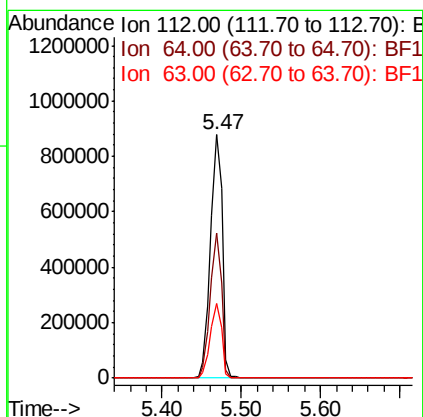
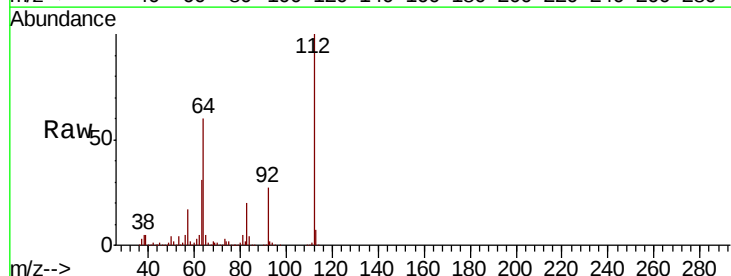
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.4	186.6
115	63.3	49.9	74.9



#5

2-Fluorophenol
Concen: 116.819 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116725.D
Acq: 1 Sep 2019 5:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.1	70.7
63	30.8	24.9	37.3





#7

Phenol-d6

Concen: 108.196 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Instrument :

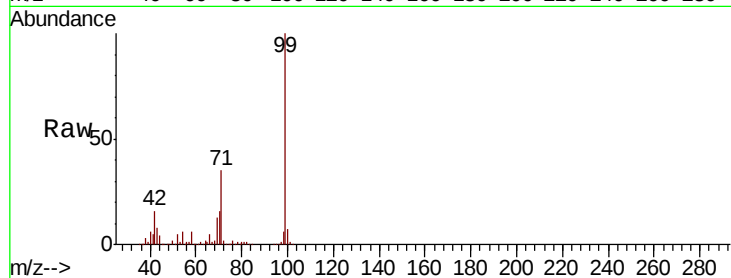
BNA_F

ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion: 99 Resp: 1105506

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	35.2	30.8	46.2

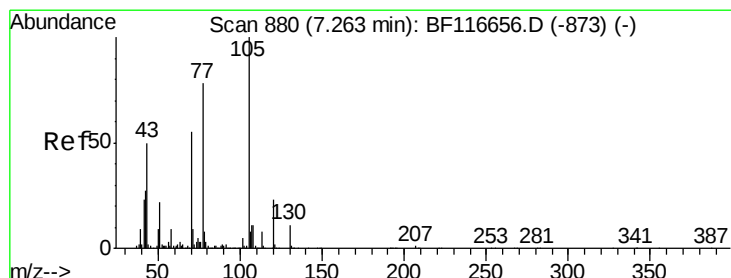
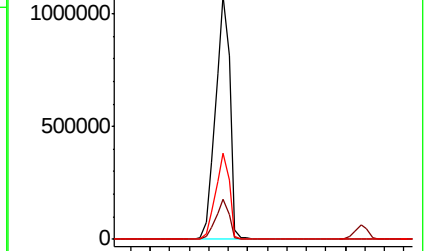
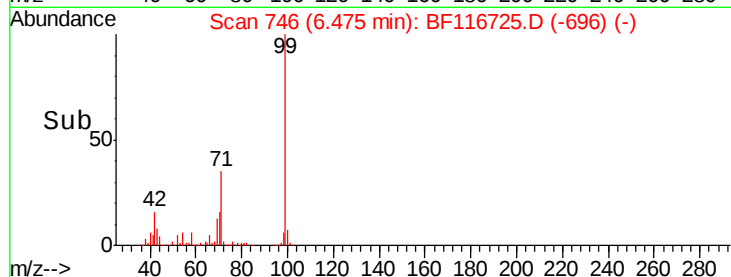


Abundance

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: 17.356 ng

RT: 7.40 min Scan# 904

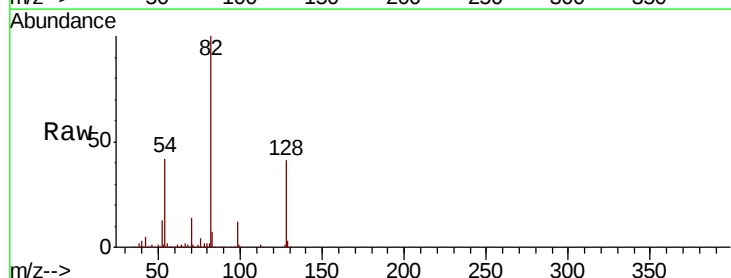
Delta R.T. 0.14 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Tgt Ion: 70 Resp: 116762

Ion	Ratio	Lower	Upper
70	100		
42	37.8	43.5	65.3#
101	0.0	7.8	11.6#
130	2.2	16.6	24.8#



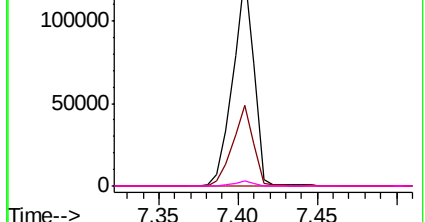
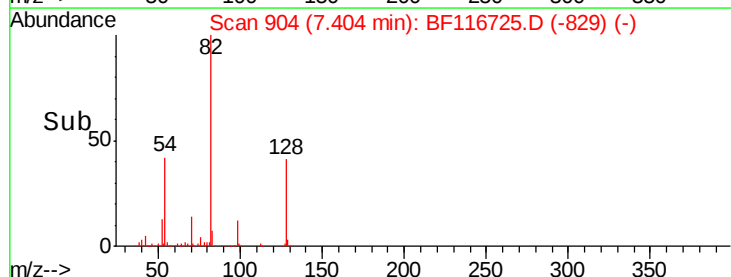
Abundance

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

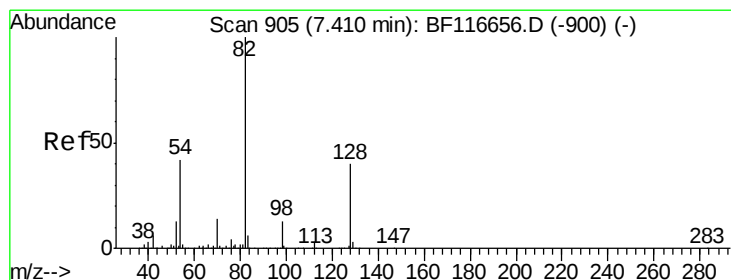
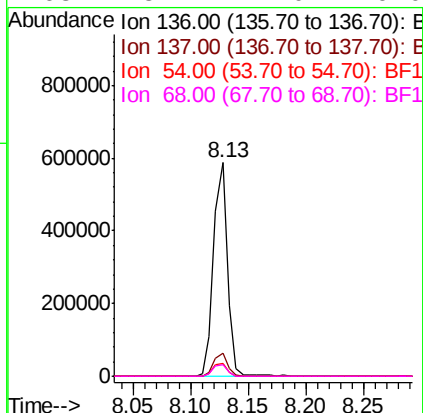
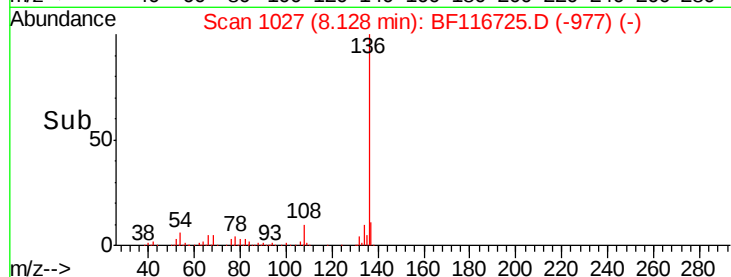
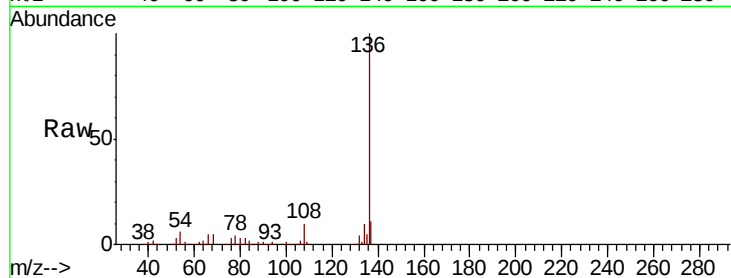




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116725.D
Acq: 1 Sep 2019 5:01

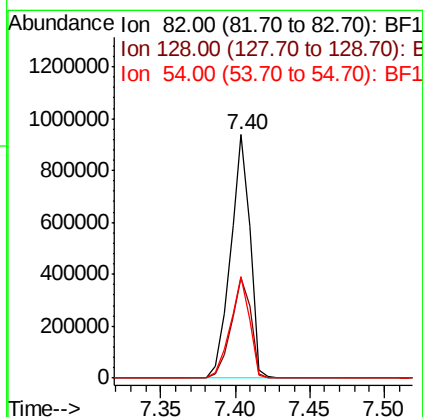
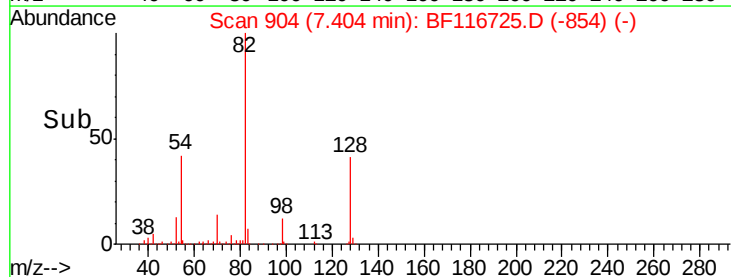
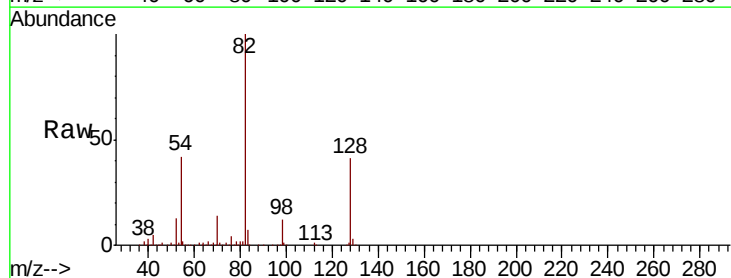
Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion:136	Resp:	493897
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.0	4.8 7.2
68	5.4	4.0 6.0



#23
Nitrobenzene-d5
Concen: 100.139 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116725.D
Acq: 1 Sep 2019 5:01

Tgt Ion: 82	Resp:	866365
Ion Ratio	Lower	Upper
82	100	
128	41.1	32.8 49.2
54	41.8	36.9 55.3





#25

Isophorone

Concen: 49.418 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Instrument :

BNA_F

ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

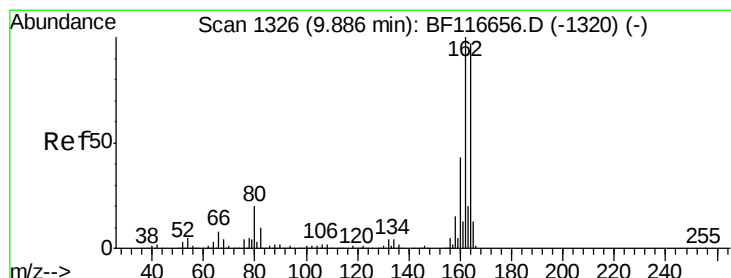
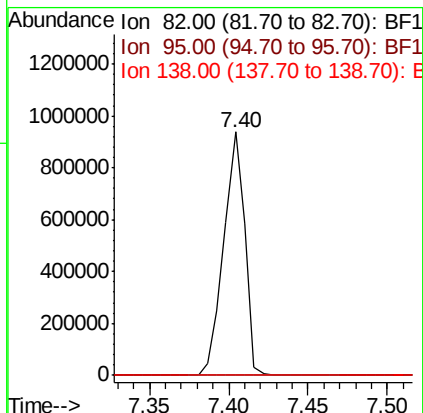
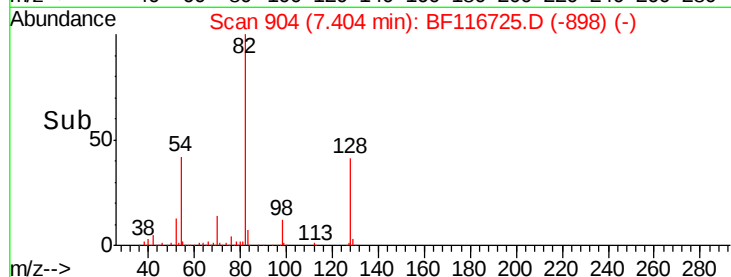
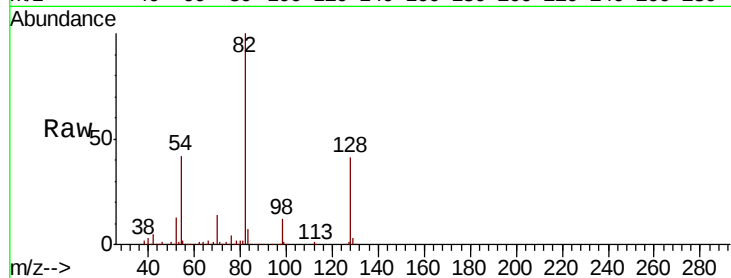
Tot Ion: 82 Resp: 866356

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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

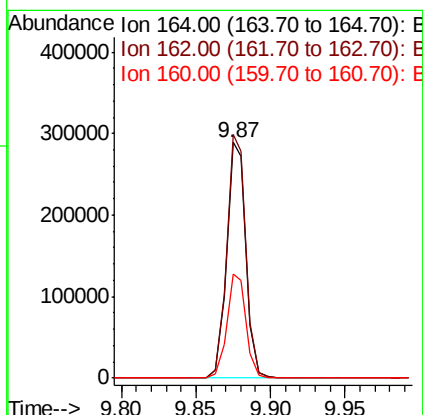
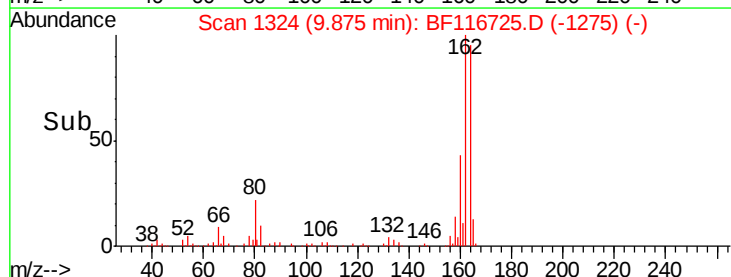
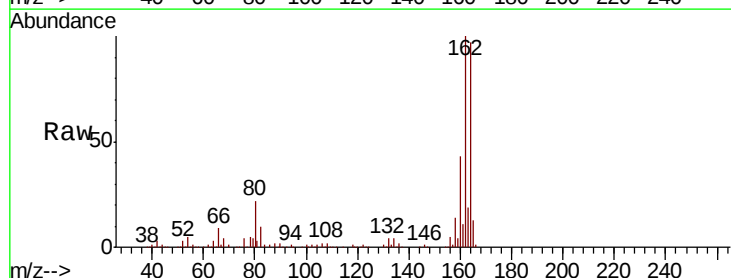
Tgt Ion: 164 Resp: 264064

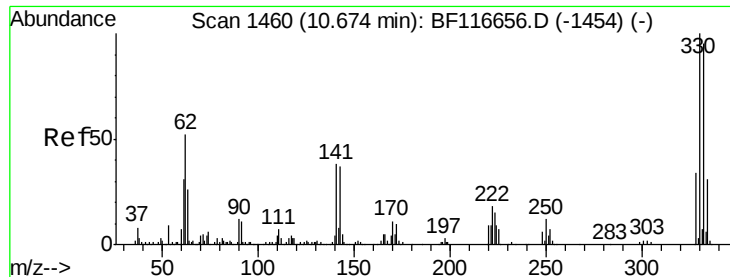
Ion Ratio Lower Upper

164 100

162 103.2 81.4 122.0

160 44.3 35.4 53.2

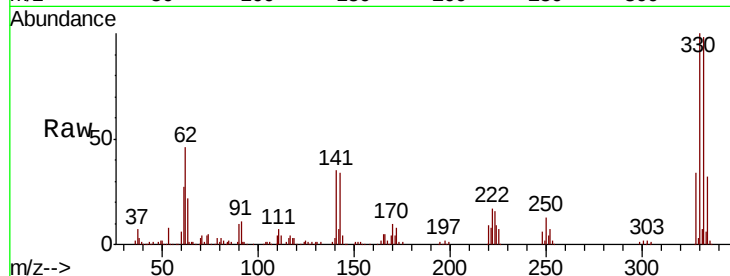




#42
 2,4,6-Tribromophenol
 Concen: 163.166 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116725.D
 Acq: 1 Sep 2019 5:01

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.9	115.3
141	44.1	31.4	47.2

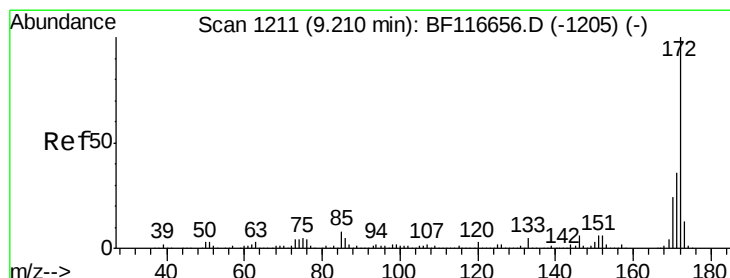
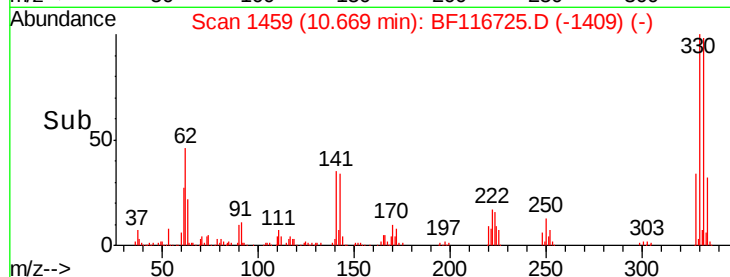
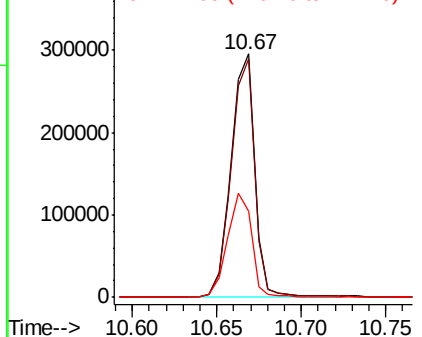


Abundance

Ion 329.80 (329.50 to 330.50): E

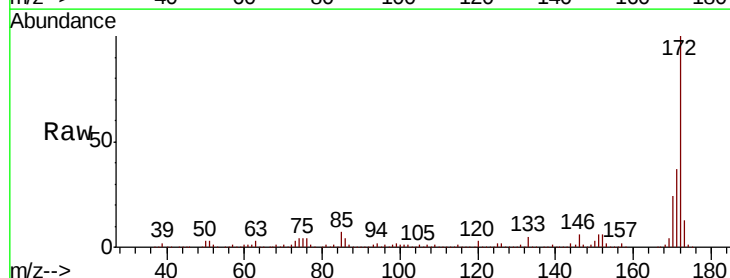
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.131 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116725.D
 Acq: 1 Sep 2019 5:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	27.8	41.6
170	24.2	18.9	28.3

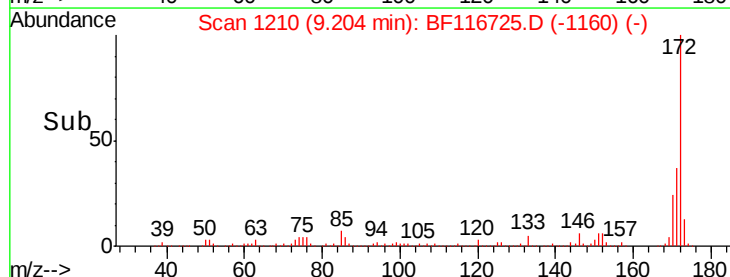
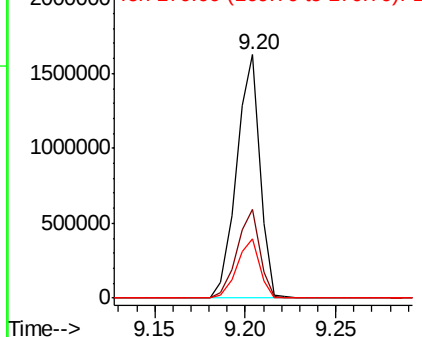


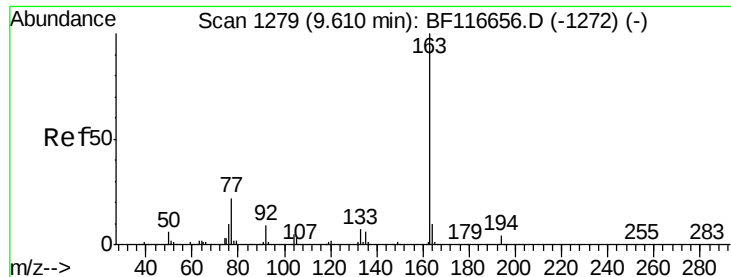
Abundance

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: 3.284 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Instrument :

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T9-12-13-N1-N4-(0-1.9)

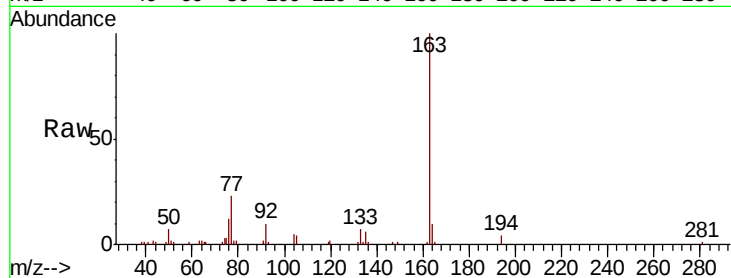
Tot Ion:163 Resp: 59875

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

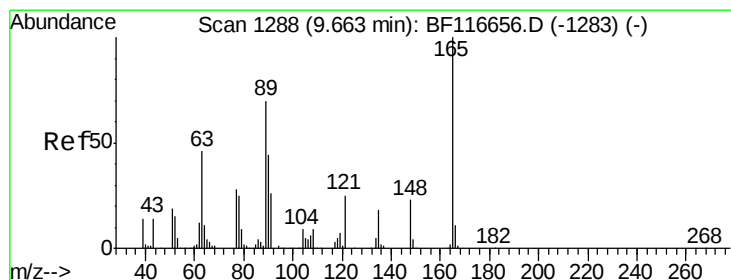
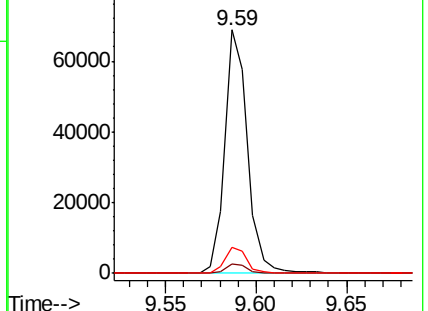
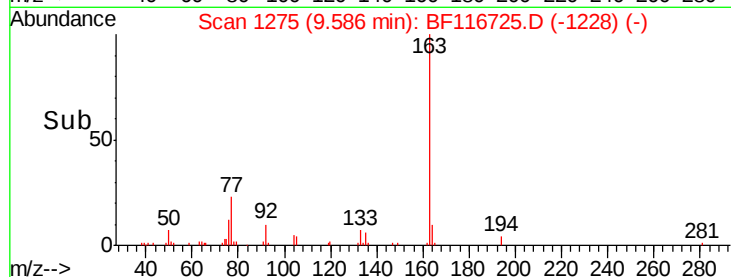
164 10.4 8.6 12.8



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: 9.782 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

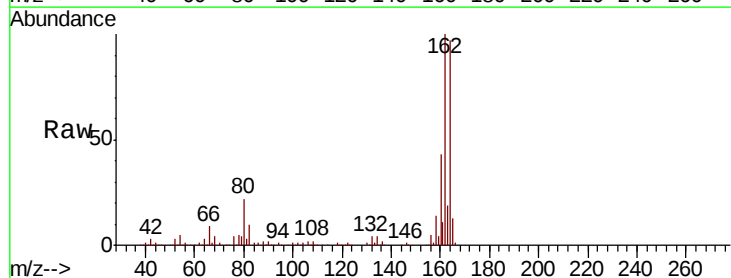
Tgt Ion:165 Resp: 34024

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

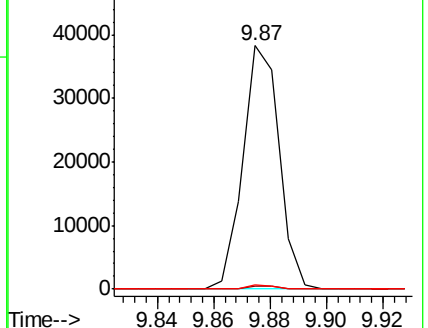
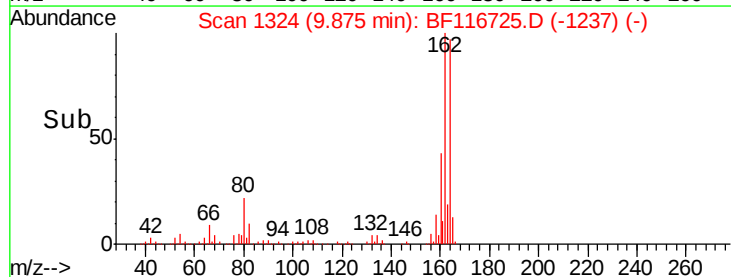
89 1.5 52.5 78.7#



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: 8.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.19 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Instrument :

BNA_F

ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion:165 Resp: 34024

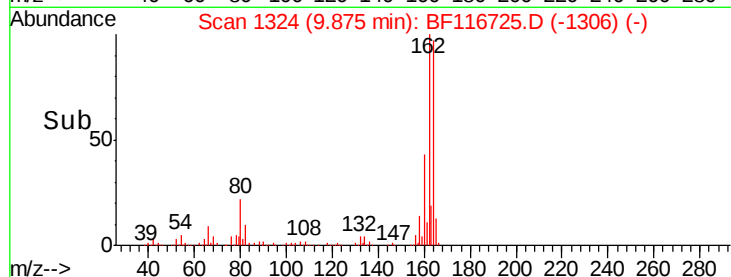
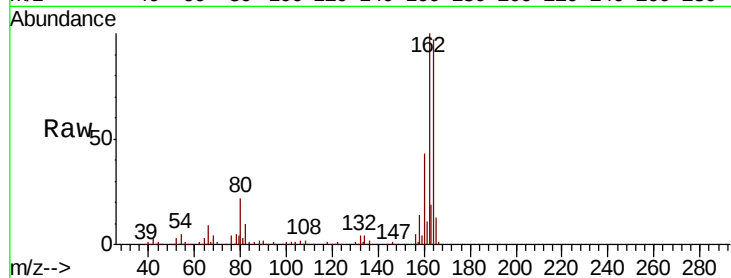
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.5 62.6 94.0#

182 0.0 2.1 3.1#

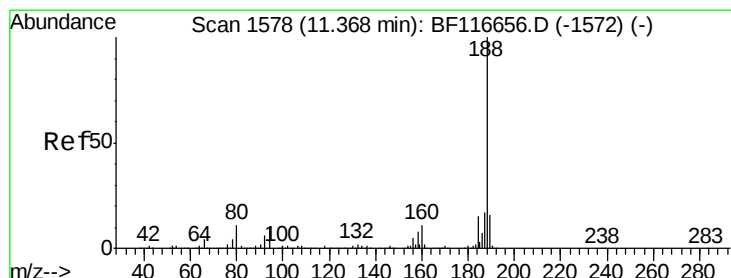
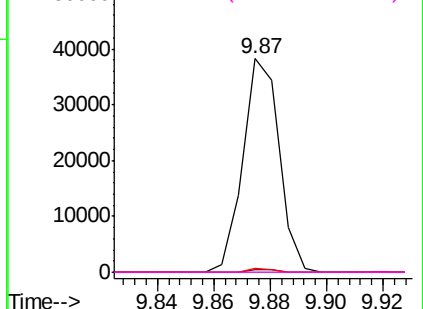


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

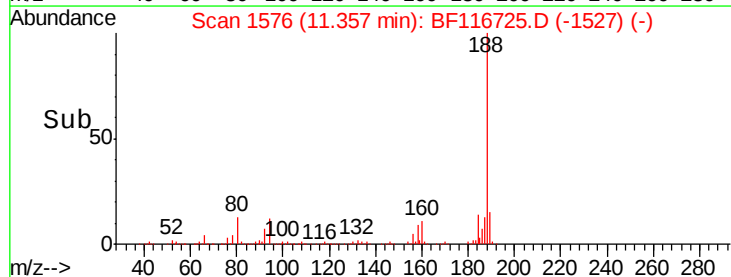
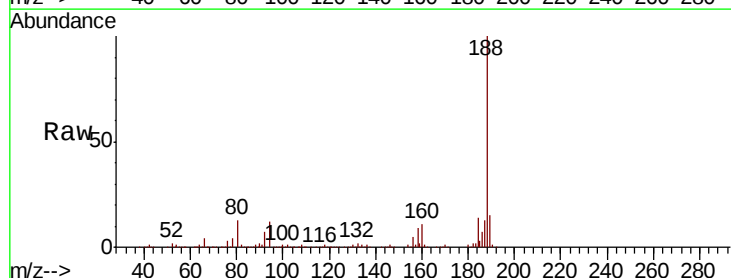
Tgt Ion:188 Resp: 440399

Ion Ratio Lower Upper

188 100

94 11.6 7.3 10.9#

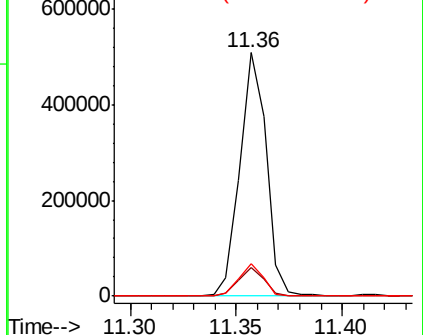
80 13.4 8.4 12.6#

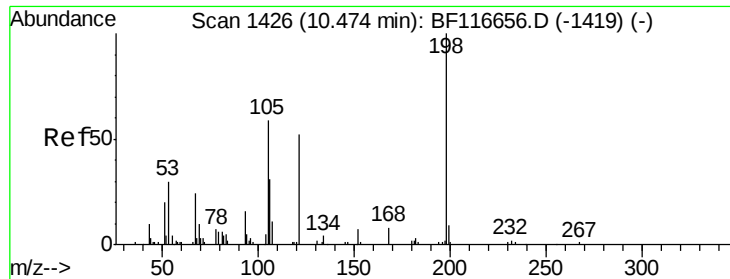


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.849 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

Instrument :

BNA_F

ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

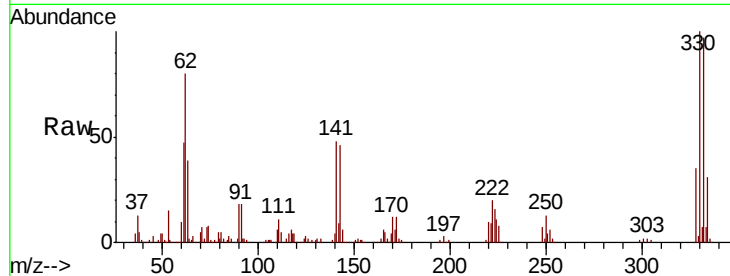
Tot Ion:198 Resp: 764

Ion Ratio Lower Upper

198 100

51 144.0 18.4 58.4#

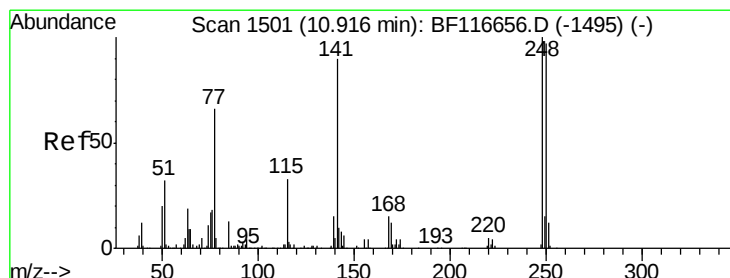
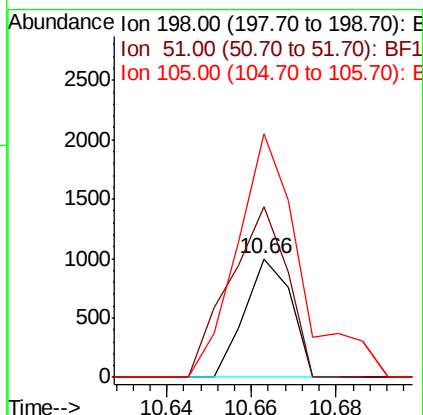
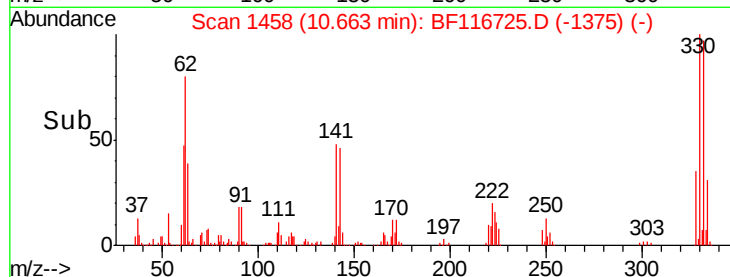
105 205.9 22.9 62.9#



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: 4.331 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116725.D

Acq: 1 Sep 2019 5:01

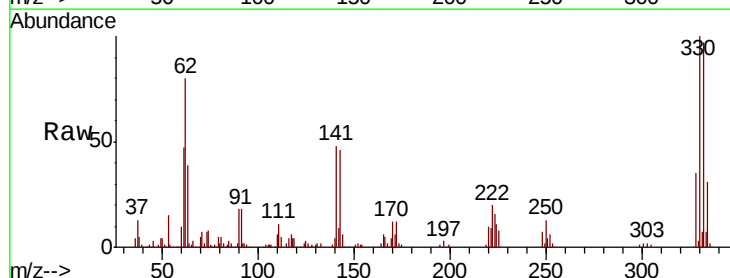
Tgt Ion:248 Resp: 19378

Ion Ratio Lower Upper

248 100

250 182.3 77.8 116.8#

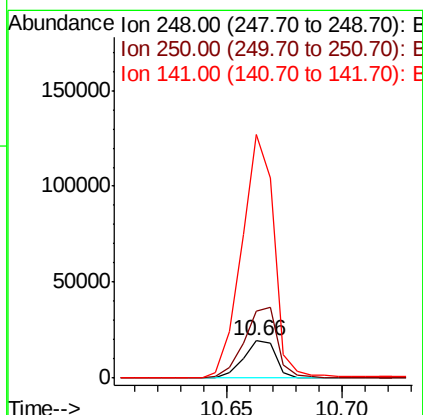
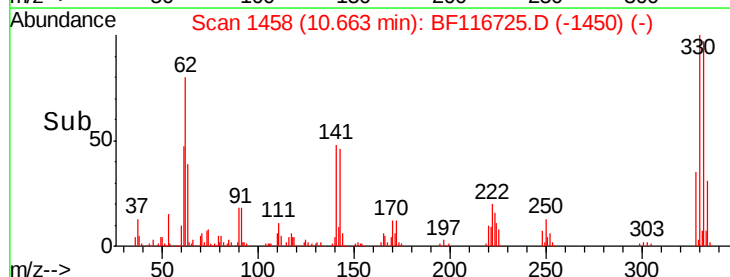
141 656.8 75.9 113.9#

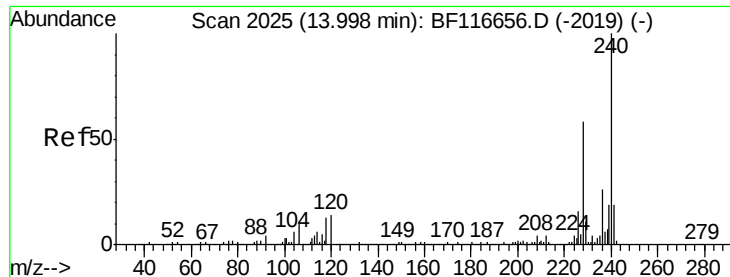


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

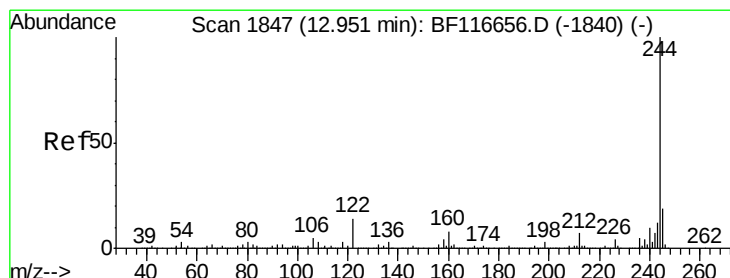
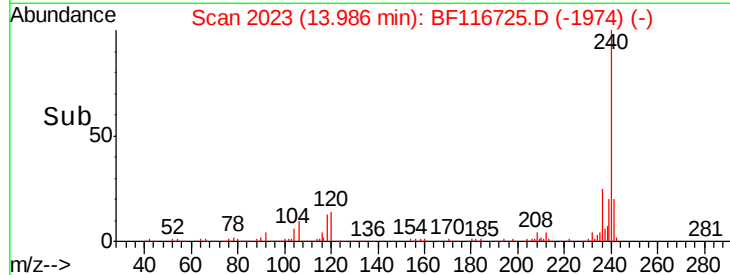
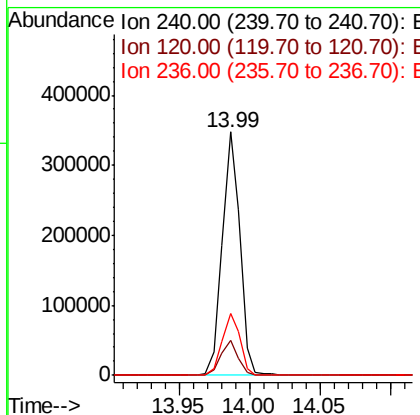
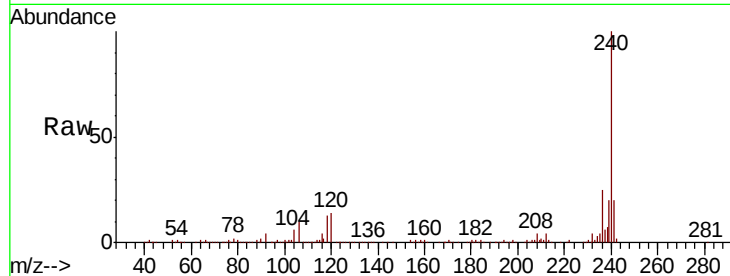




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116725.D
 Acq: 1 Sep 2019 5:01

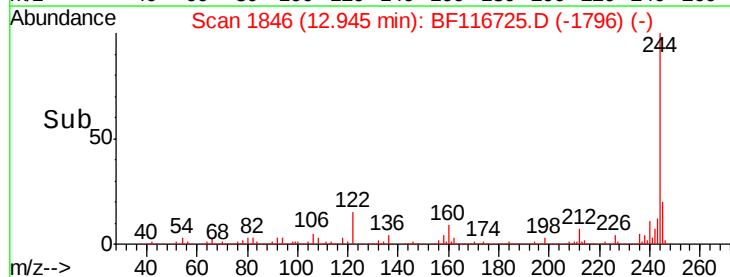
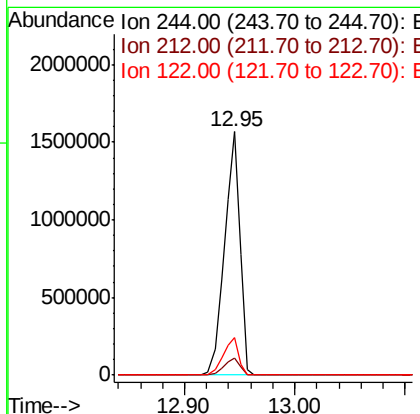
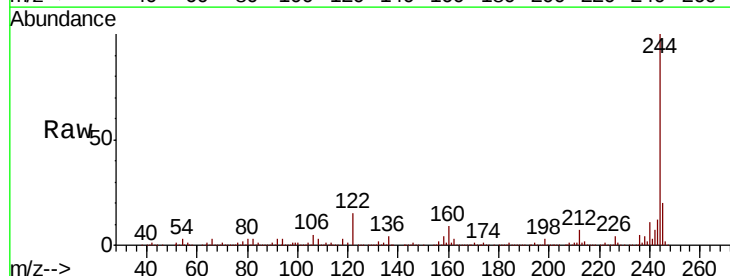
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

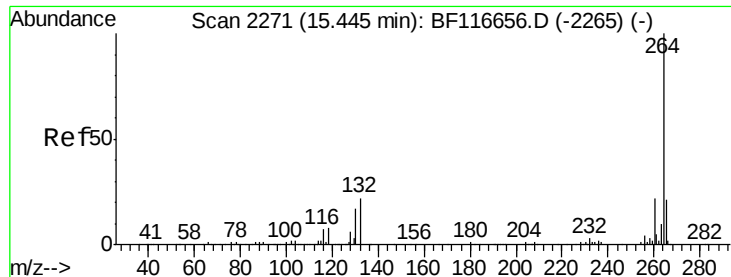
Tot Ion:240 Resp: 302492
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.1 13.7#
 236 25.3 21.1 31.7



#79
 Terphenyl-d14
 Concen: 93.587 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116725.D
 Acq: 1 Sep 2019 5:01

Tgt Ion:244 Resp: 1530284
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 15.2 10.2 15.4

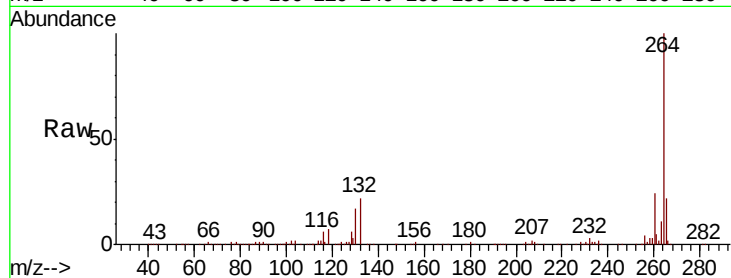




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116725.D
Acq: 1 Sep 2019 5:01

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion:	264	Resp:	308498
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	21.7	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

