

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116954.D
 Acq On : 11 Sep 2019 18:54
 Operator : HP/JU
 Sample : K4786-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:04:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

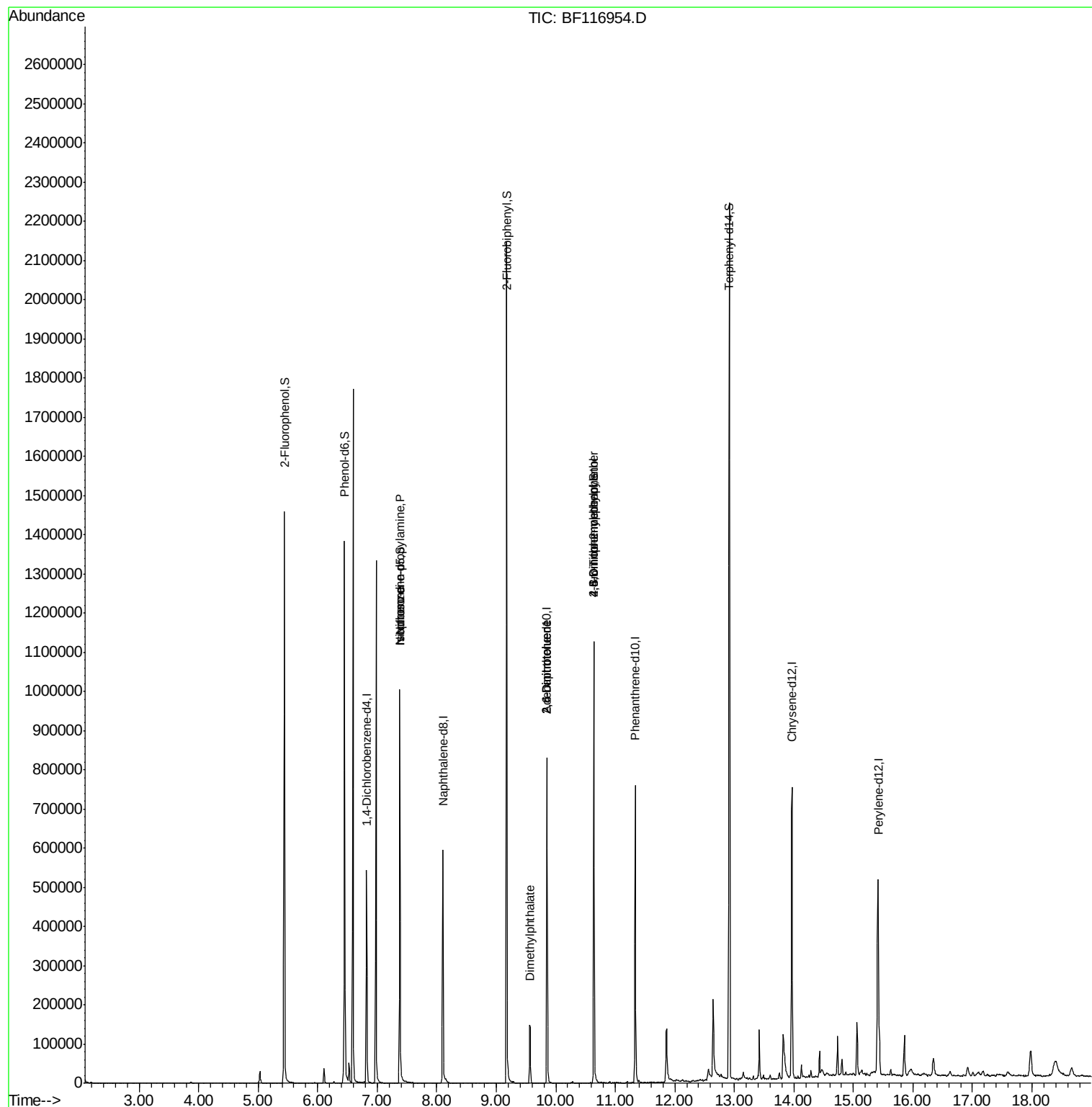
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75650	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	311792	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	167703	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	288881	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	238760	20.00	ng	-0.02
87) Perylene-d12	15.42	264	236782	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	406065	86.96	ng	-0.01
7) Phenol-d6	6.46	99	556123	90.70	ng	-0.02
23) Nitrobenzene-d5	7.38	82	341779	62.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	120002	107.04	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	638510	64.23	ng	-0.02
79) Terphenyl-d14	12.92	244	713241	55.26	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	44801	11.097	ng	# 73
25) Isophorone	7.38	82	341821	30.886	ng	# 66
50) Dimethylphthalate	9.57	163	67272	5.810	ng	97
51) 2,6-Dinitrotoluene	9.85	165	21233	9.612	ng	# 21
57) 2,4-Dinitrotoluene	9.85	165	21233	7.861	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.64	198	135	7.558	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	7587	2.585	ng	# 1

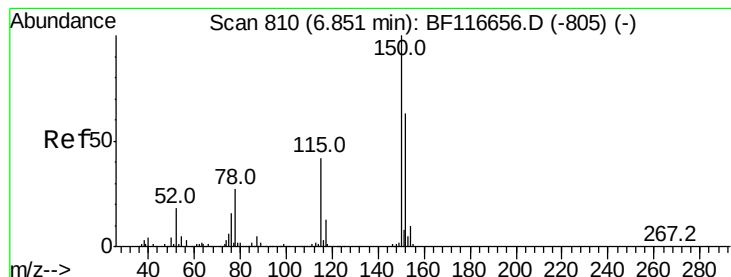
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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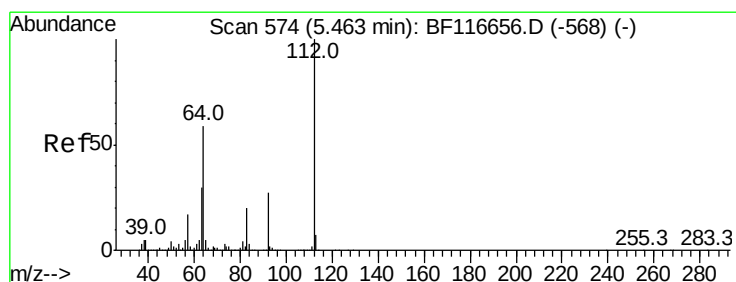
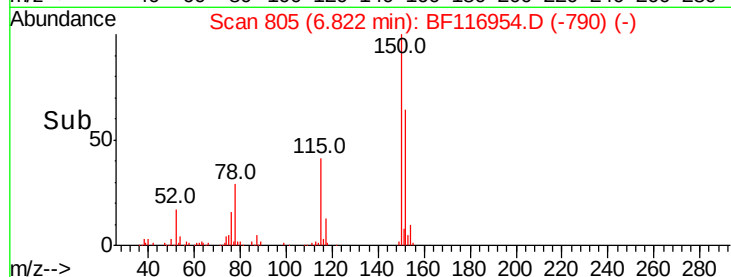
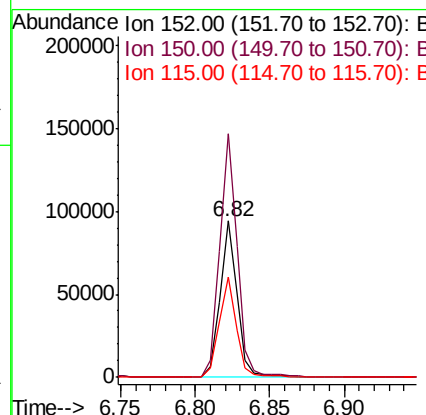
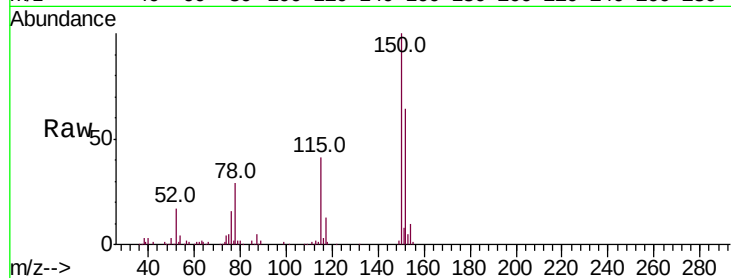


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Instrument :
BNA_F
ClientSampleId :

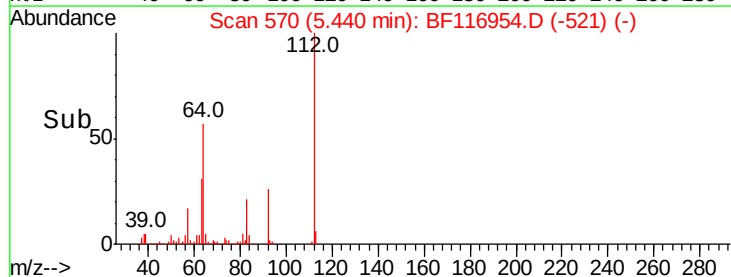
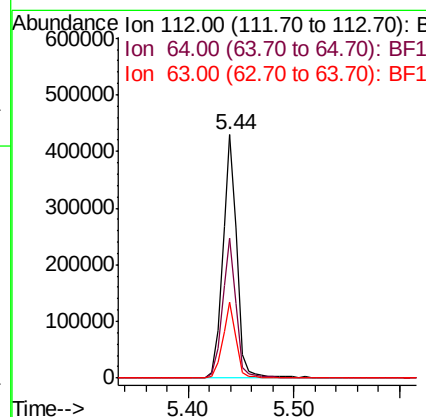
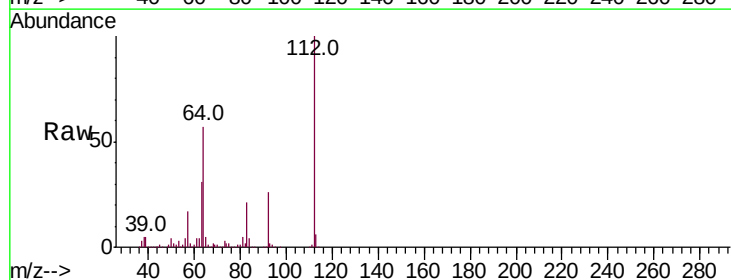
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.4	186.6
115	64.4	49.9	74.9

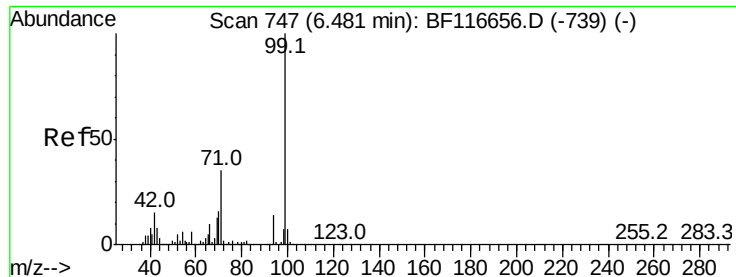


#5

2-Fluorophenol
Concen: 86.959 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.1	70.7
63	31.0	24.9	37.3





#7

Phenol-d6

Concen: 90.697 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

Instrument :

BNA_F

ClientSampleId :

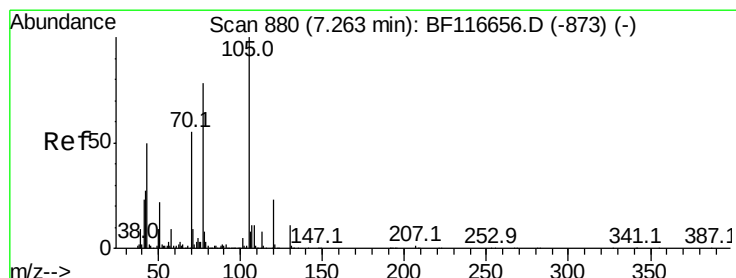
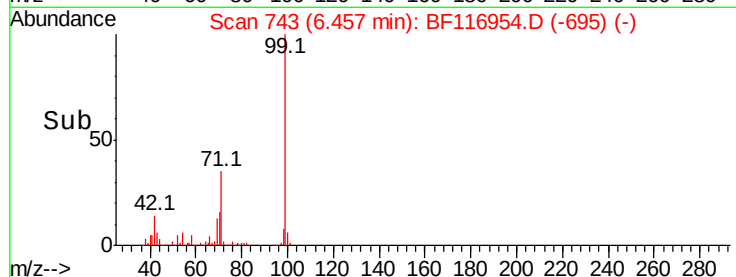
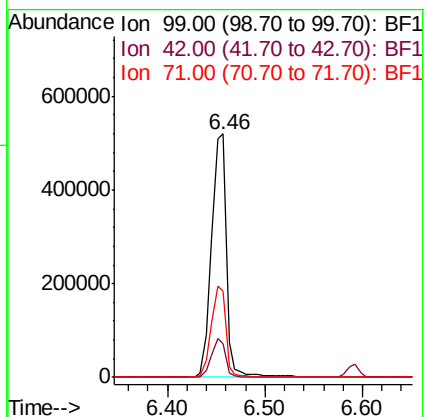
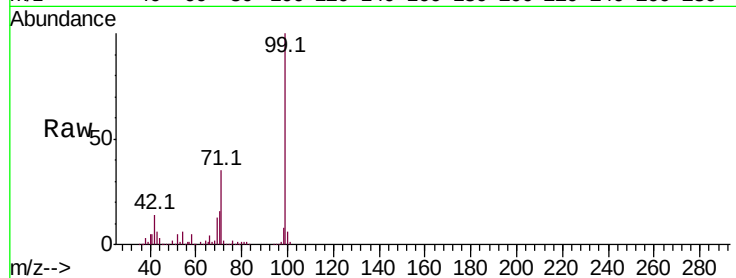
Tot Ion: 99 Resp: 556123

Ion Ratio Lower Upper

99 100

42 13.6 13.7 20.5#

71 35.2 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.097 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

Tgt Ion: 70 Resp: 44801

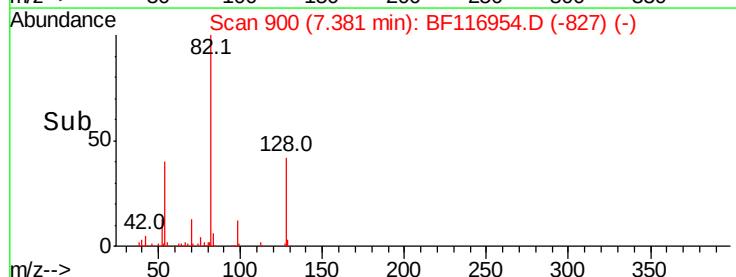
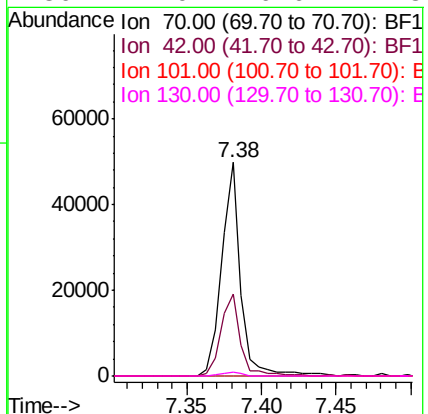
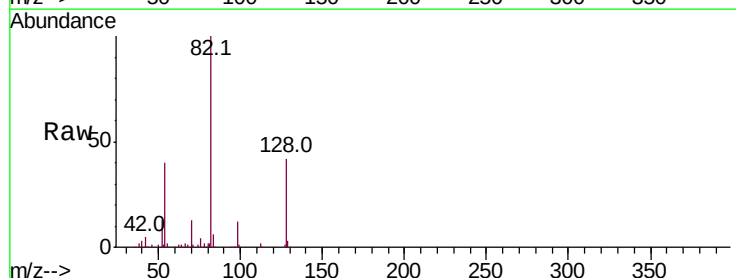
Ion Ratio Lower Upper

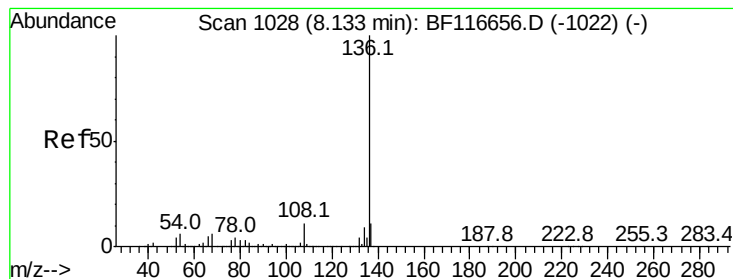
70 100

42 38.5 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116954.D

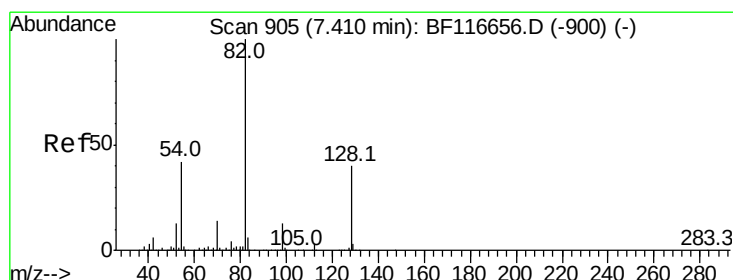
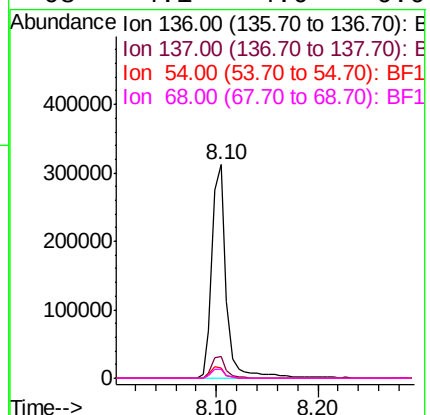
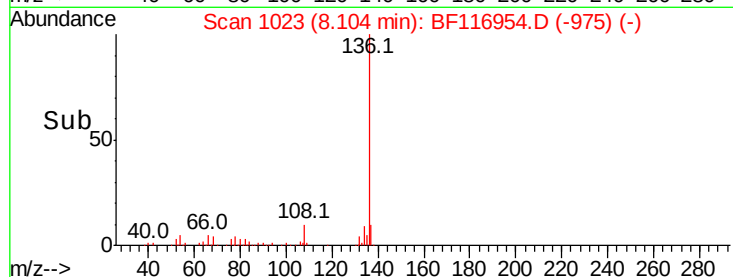
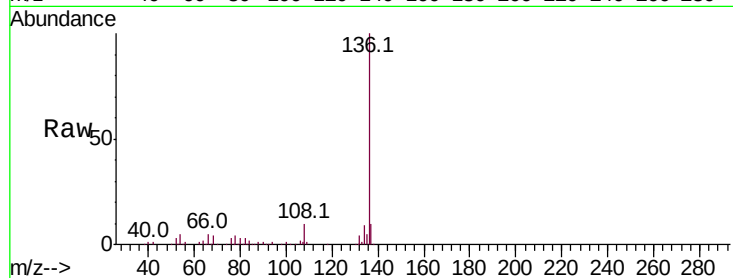
Acq: 11 Sep 2019 18:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	311792
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	4.7	4.8	7.2#
68	4.1	4.0	6.0



#23

Nitrobenzene-d5

Concen: 62.578 ng

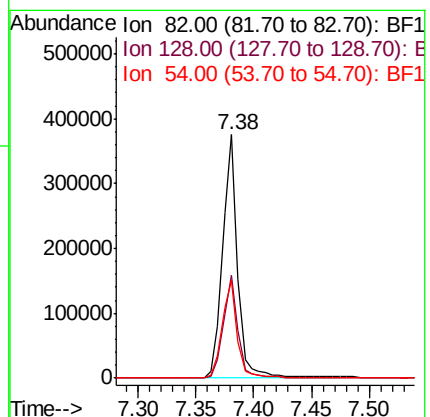
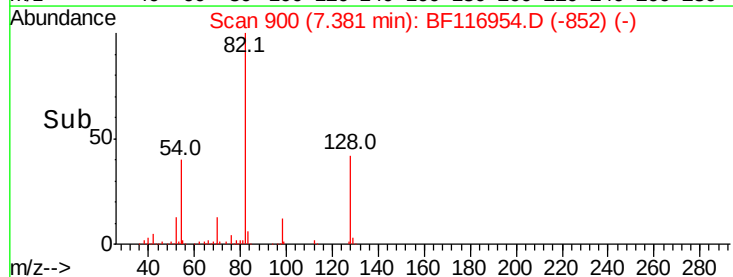
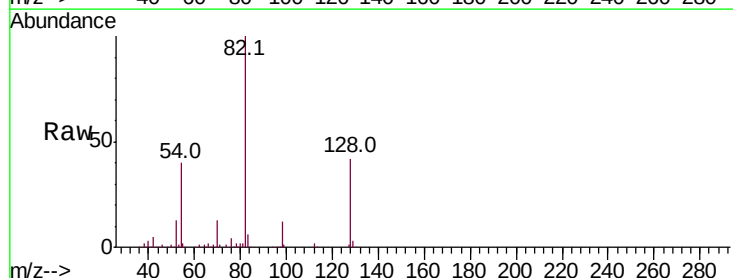
RT: 7.38 min Scan# 900

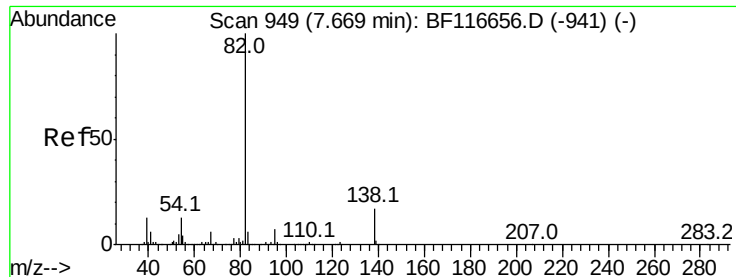
Delta R.T. -0.02 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

Tgt Ion:	82	Resp:	341779
Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.8	49.2
54	39.9	36.9	55.3





#25

Isophorone

Concen: 30.886 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

Instrument :

BNA_F

ClientSampled :

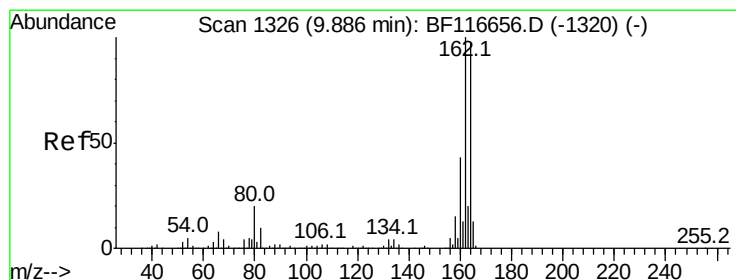
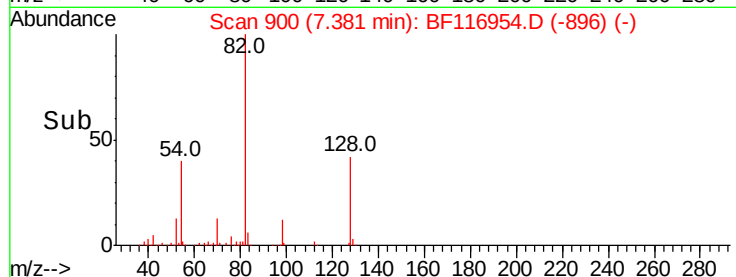
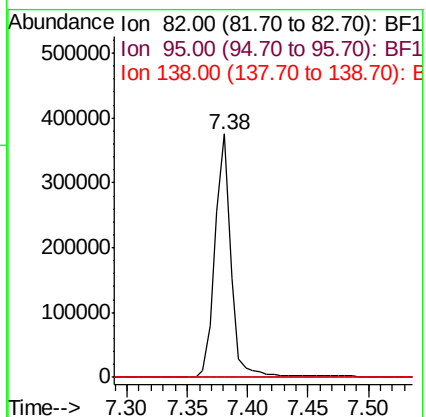
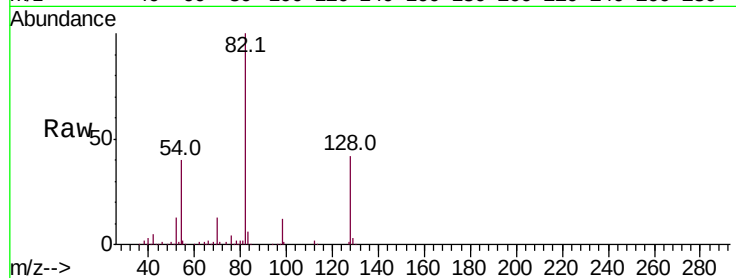
Tot Ion: 82 Resp: 341821

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: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

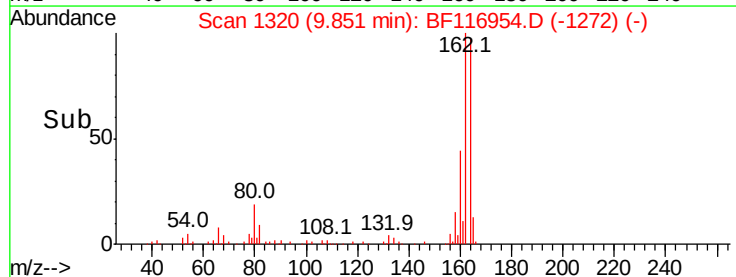
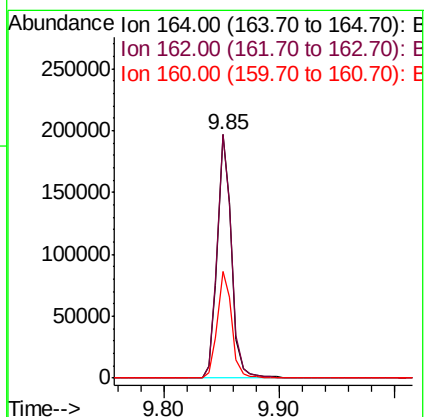
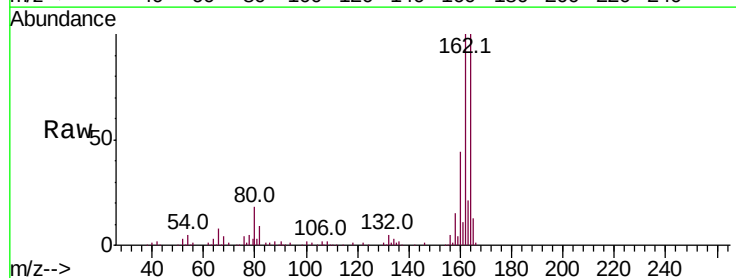
Tgt Ion: 164 Resp: 167703

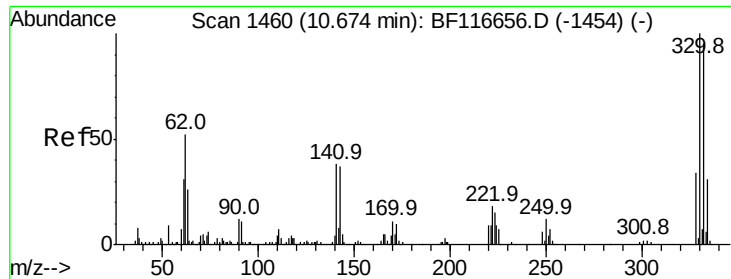
Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.0

160 43.9 35.4 53.2

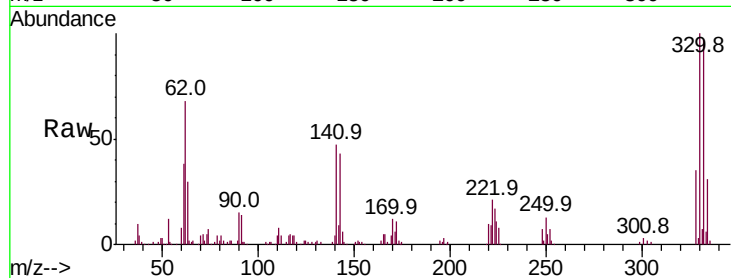




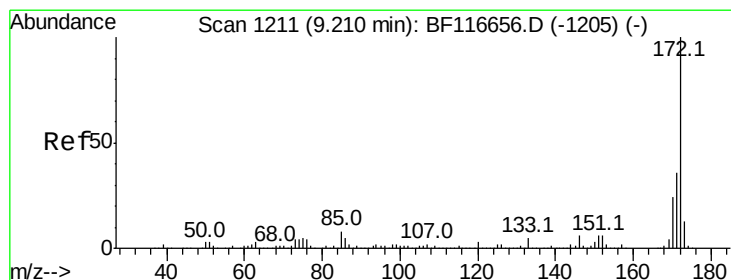
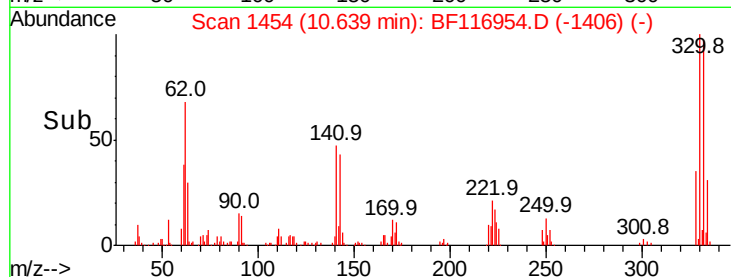
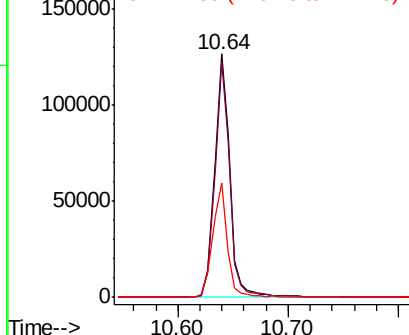
#42
 2,4,6-Tribromophenol
 Concen: 107.037 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116954.D
 Acq: 11 Sep 2019 18:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	44.9	31.4	47.2

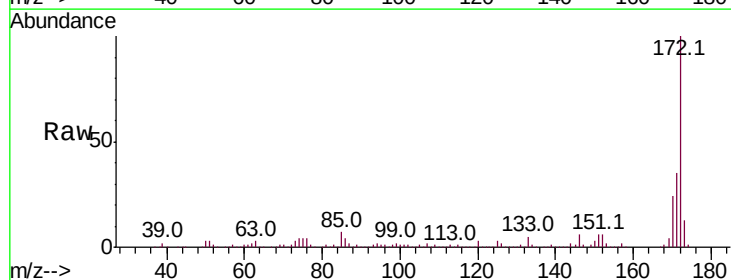


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

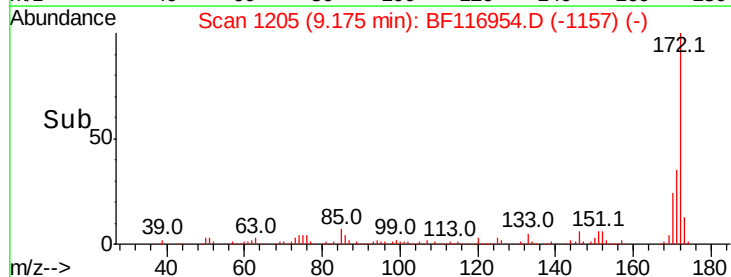
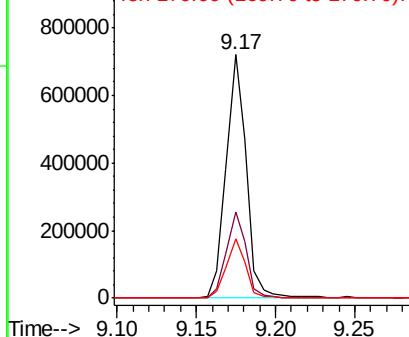


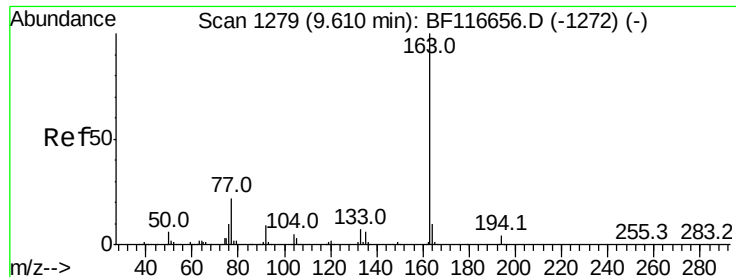
#45
 2-Fluorobiphenyl
 Concen: 64.227 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116954.D
 Acq: 11 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	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: 5.810 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

Instrument :

BNA_F

ClientSampleId :

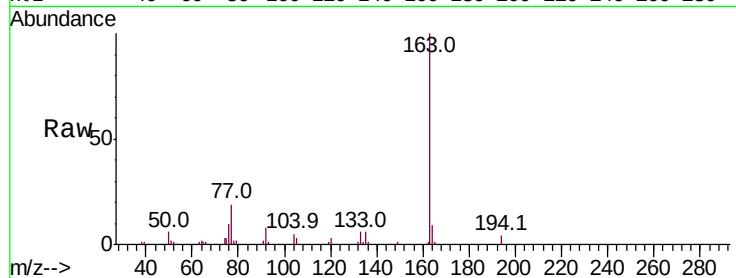
Tot Ion:163 Resp: 67272

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

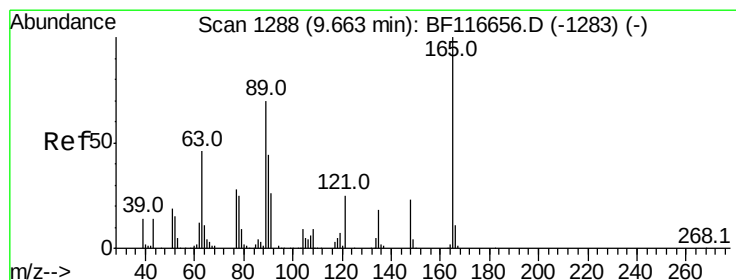
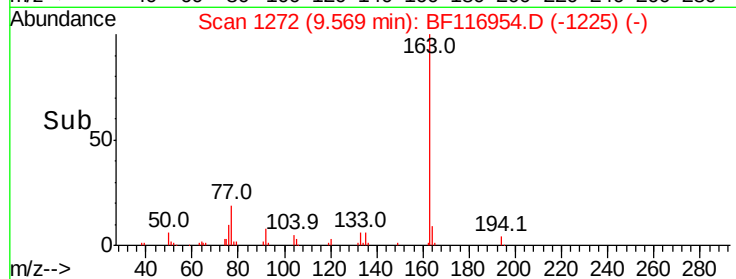
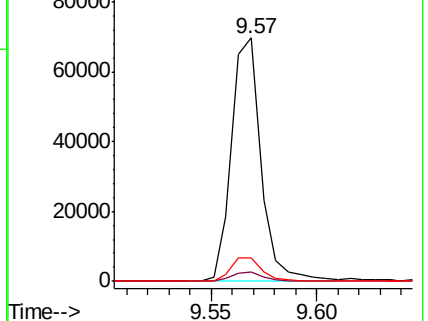
164 9.4 8.6 12.8



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: 9.612 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.20 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

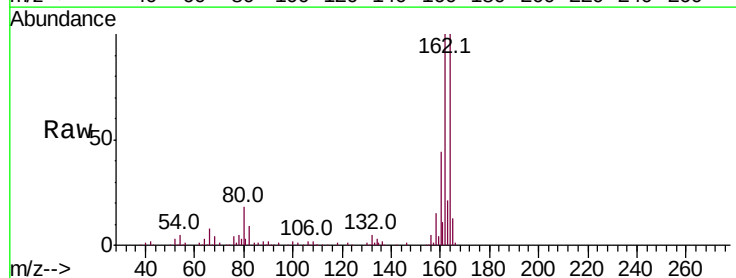
Tgt Ion:165 Resp: 21233

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

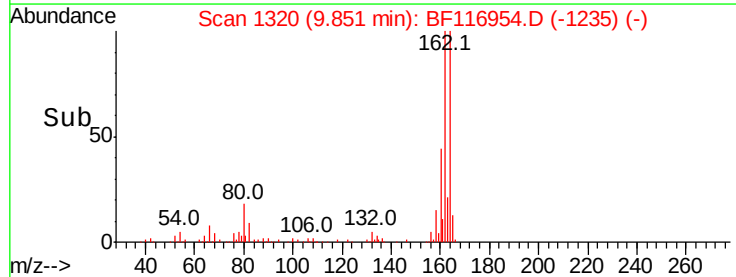
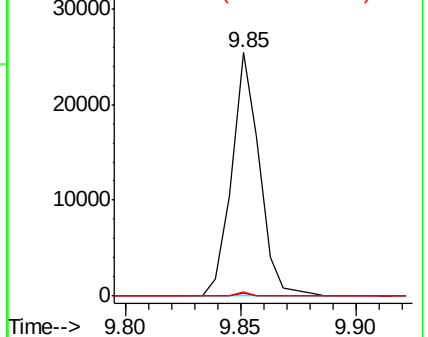
89 1.6 52.5 78.7#

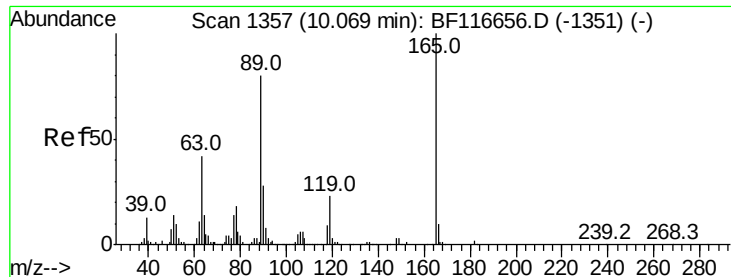


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 7.861 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF116954.D

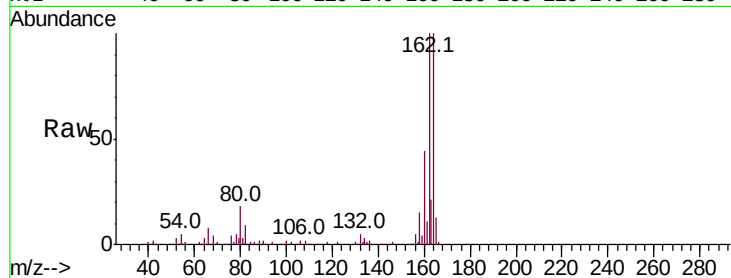
Acq: 11 Sep 2019 18:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	21233
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.6	62.6 94.0#
182	0.0	2.1 3.1#

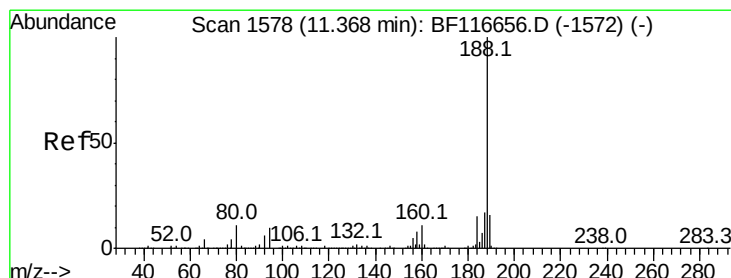
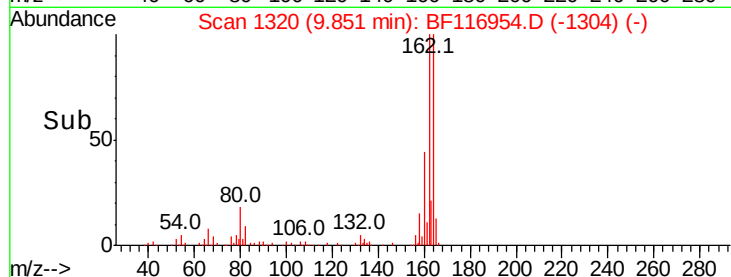
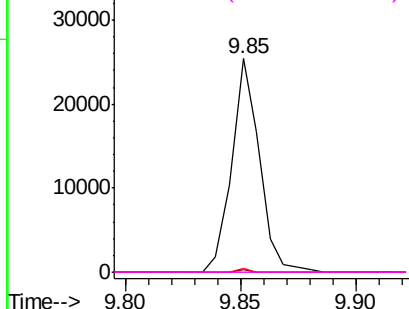


Abundance Ion 165.00 (164.70 to 165.70): E

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

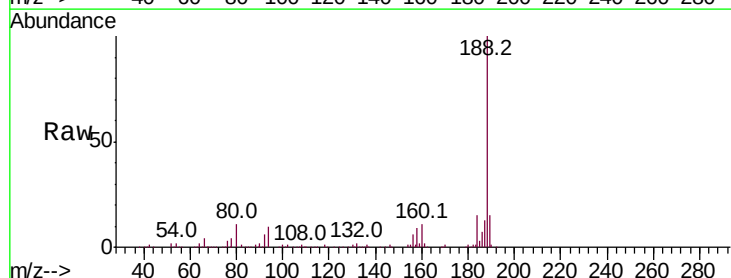
RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF116954.D

Acq: 11 Sep 2019 18:54

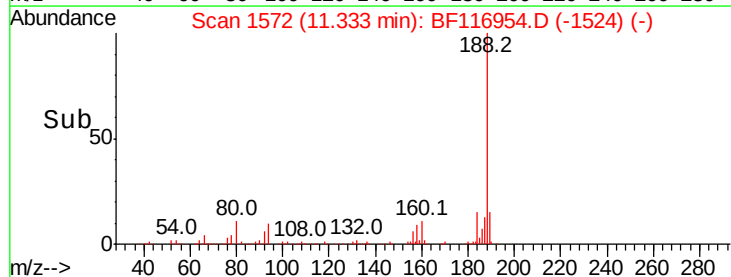
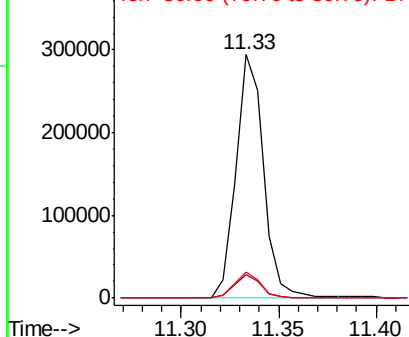
Tgt Ion:188	Resp:	288881
Ion Ratio	Lower	Upper
188	100	
94	9.7	7.3 10.9
80	10.5	8.4 12.6

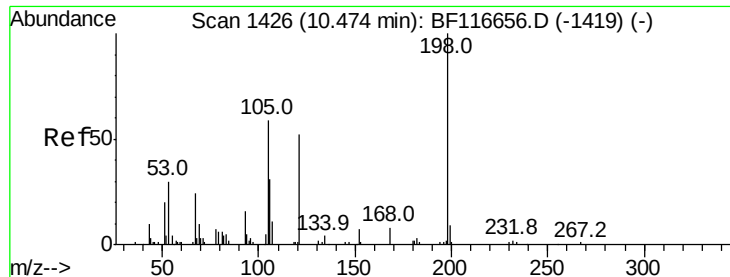


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

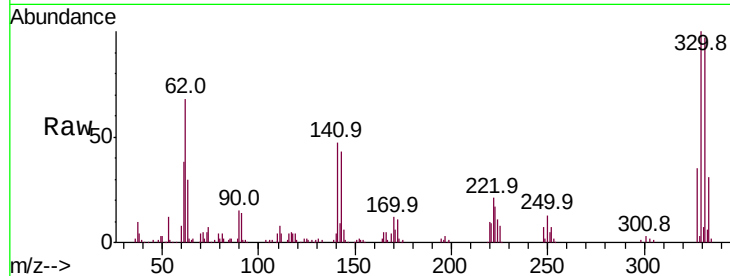




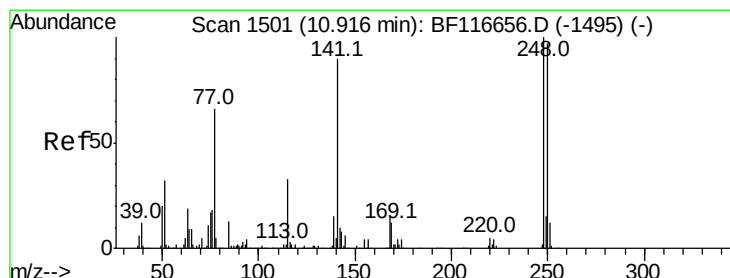
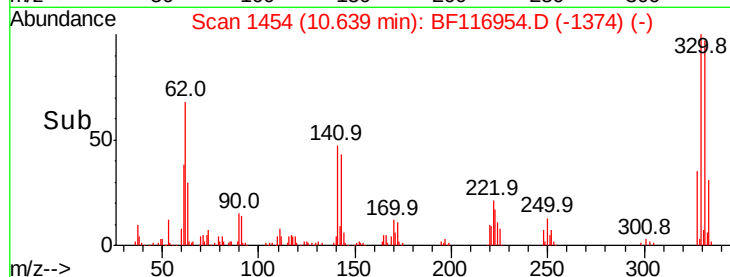
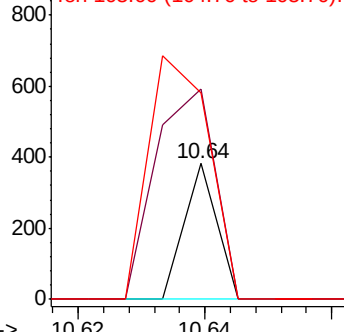
#65
4,6-Dinitro-2-methylphenol
Concen: 7.558 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.17 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
51 155.5 18.4 58.4#
105 152.1 22.9 62.9#

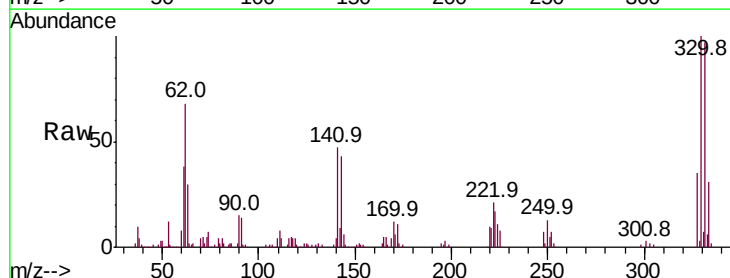


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

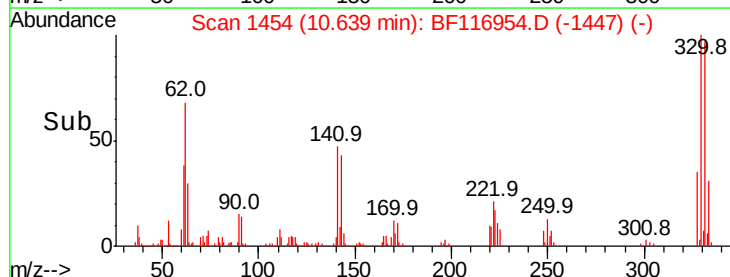
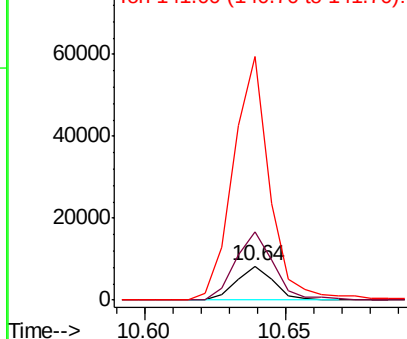


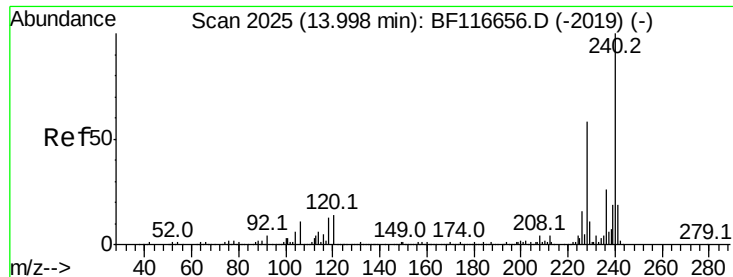
#67
4-Bromophenyl-phenylether
Concen: 2.585 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.26 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Tgt Ion:248 Resp: 7587
Ion Ratio Lower Upper
248 100
250 203.4 77.8 116.8#
141 719.9 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

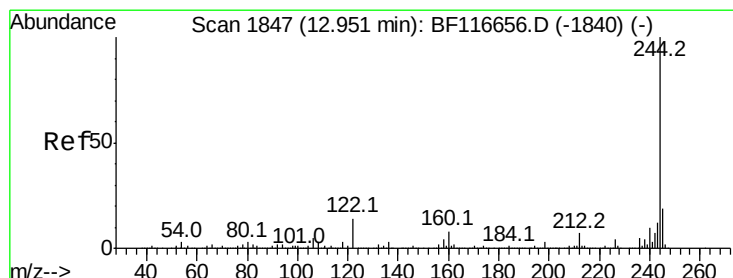
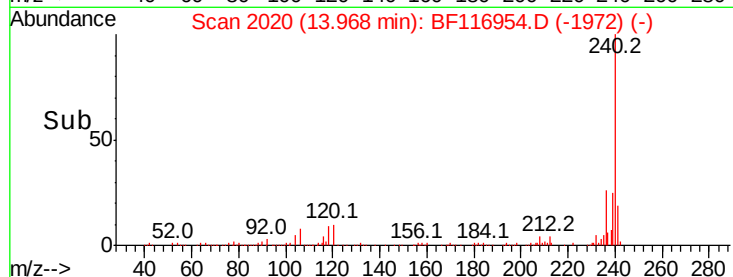
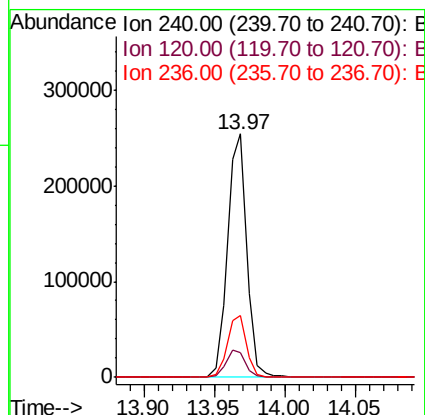
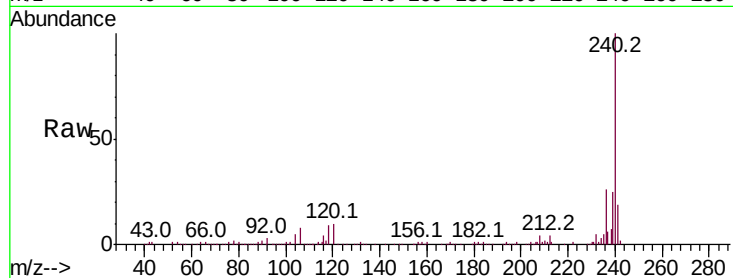




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

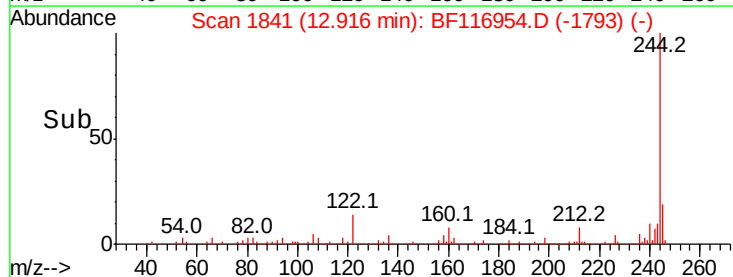
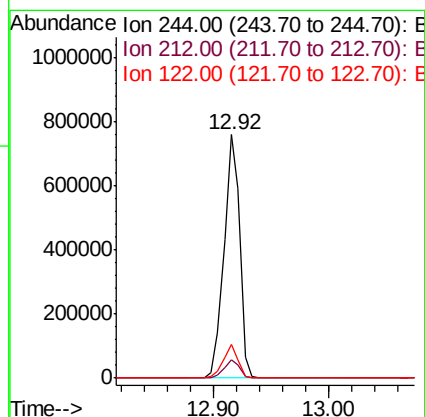
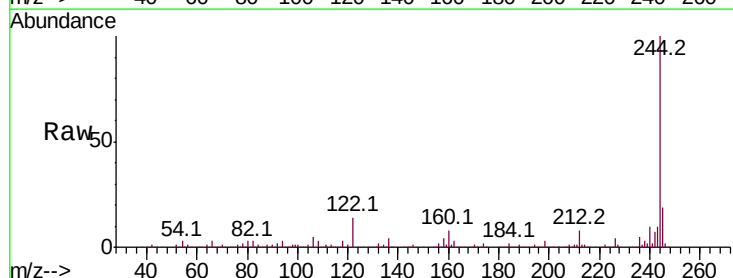
Instrument :
BNA_F
ClientSampleId :

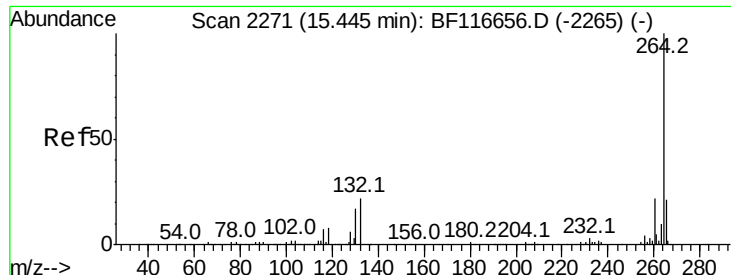
Tot Ion:240 Resp: 238760
Ion Ratio Lower Upper
240 100
120 10.1 9.1 13.7
236 25.5 21.1 31.7



#79
Terphenyl-d14
Concen: 55.263 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Tgt Ion:244 Resp: 713241
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 14.0 10.2 15.4

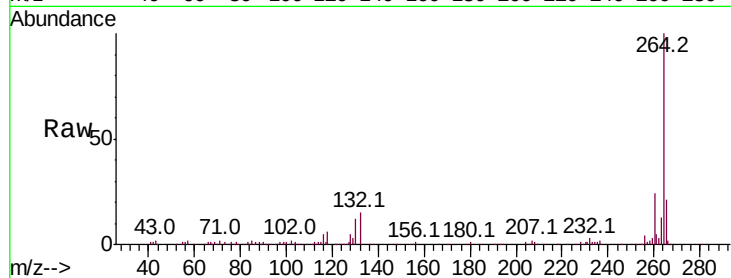




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116954.D
Acq: 11 Sep 2019 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	236782
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	21.2	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

