

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116978.D
 Acq On : 12 Sep 2019 6:27
 Operator : HP/JU
 Sample : K4764-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:10:17 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

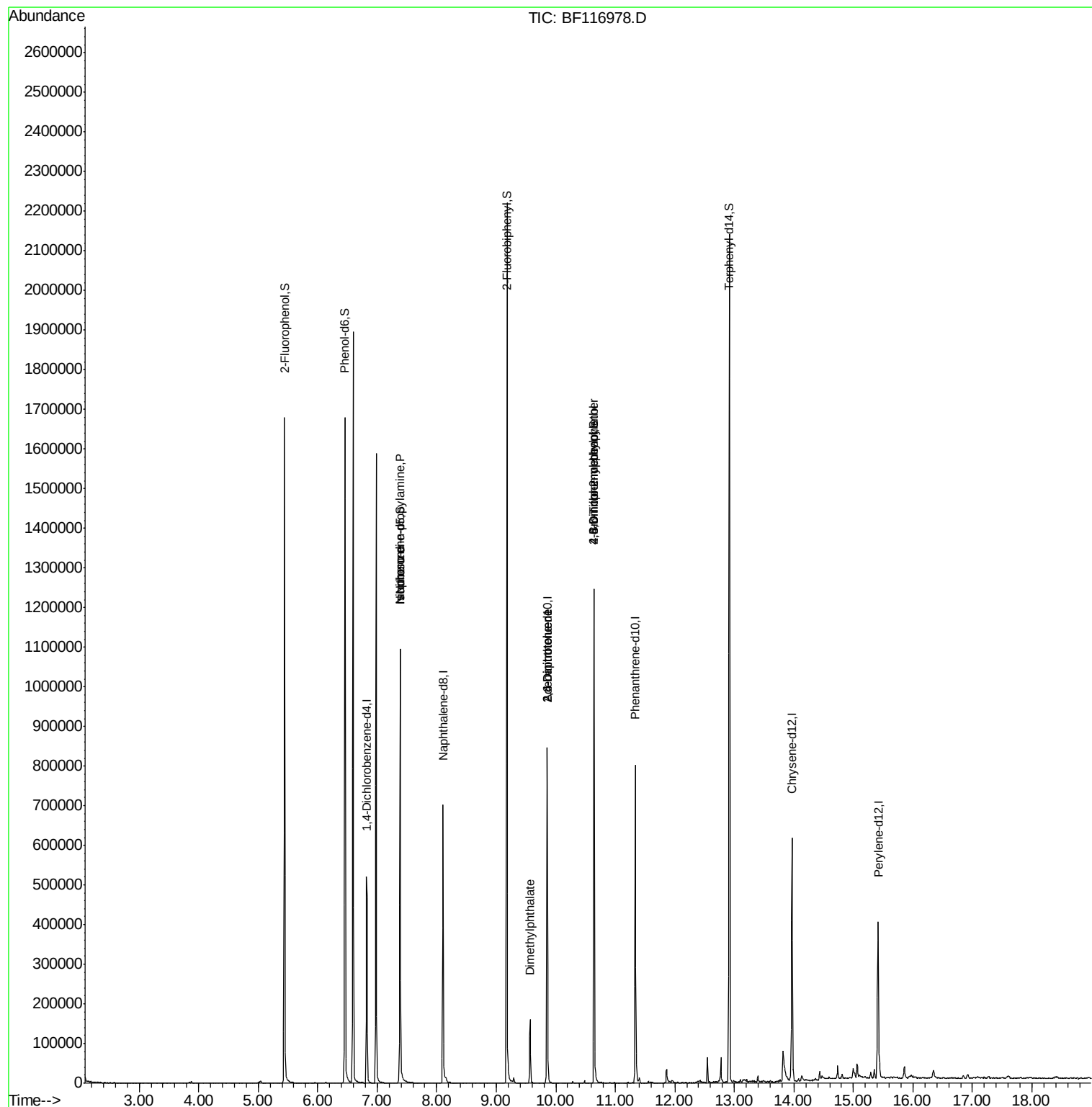
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	81399	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	340894	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	186129	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	311681	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	183855	20.00	ng	-0.02
87) Perylene-d12	15.42	264	185145	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	484713	96.47	ng	0.00
7) Phenol-d6	6.46	99	670487	101.62	ng	-0.02
23) Nitrobenzene-d5	7.39	82	426258	71.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	142274	114.34	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	736391	66.74	ng	-0.01
79) Terphenyl-d14	12.92	244	683531	68.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	55072	12.677	ng	# 69
25) Isophorone	7.39	82	426255	35.227	ng	# 66
50) Dimethylphthalate	9.57	163	69569	5.414	ng	98
51) 2,6-Dinitrotoluene	9.86	165	23420	9.552	ng	# 21
57) 2,4-Dinitrotoluene	9.86	165	23420	7.812	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.64	198	232	7.622	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	9399	2.968	ng	# 1

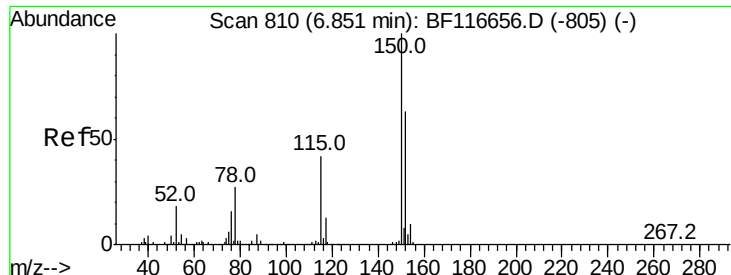
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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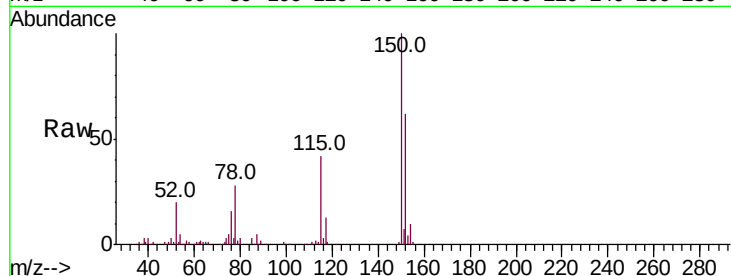


#1

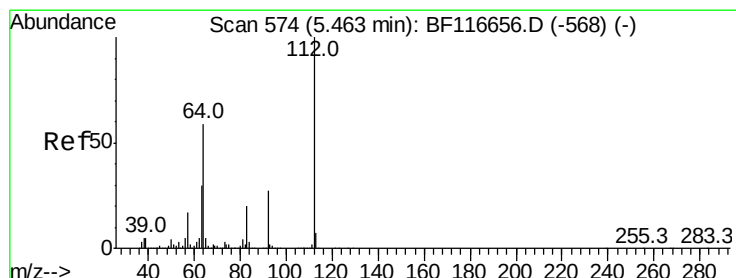
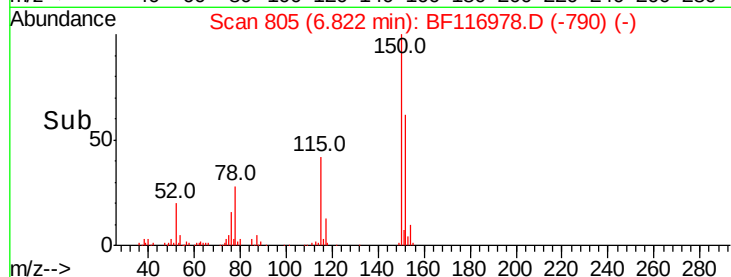
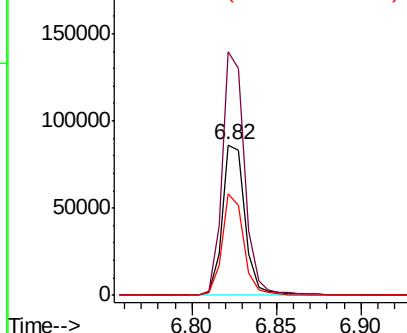
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.4	186.6
115	67.1	49.9	74.9



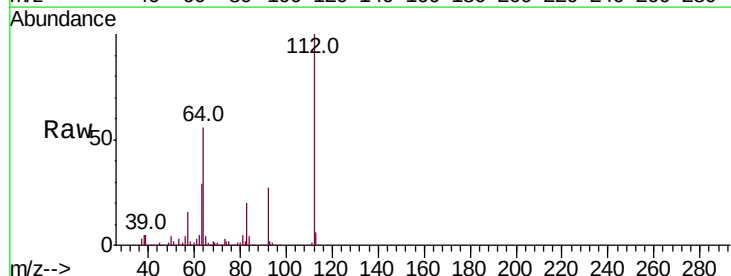
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



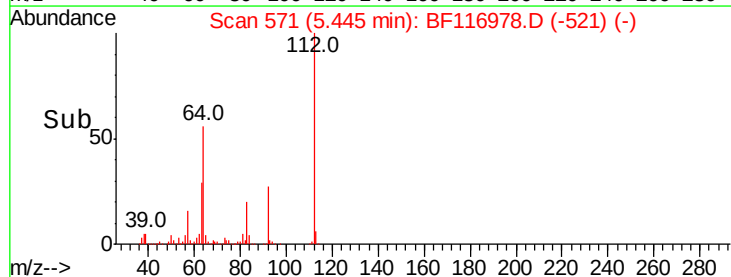
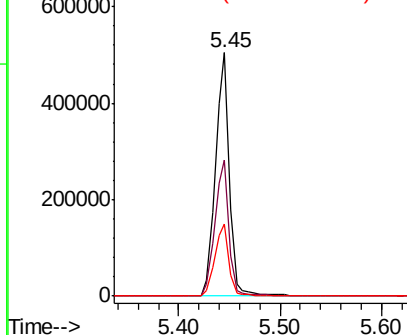
#5

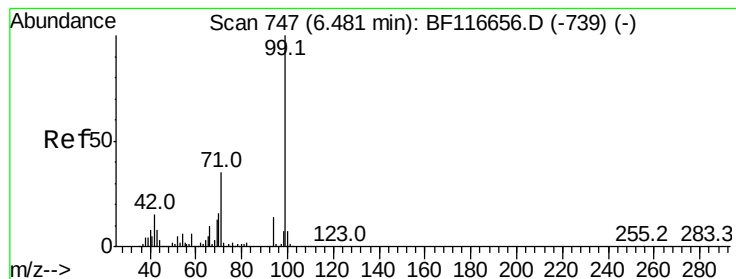
2-Fluorophenol
Concen: 96.471 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.1	70.7
63	29.5	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: 101.625 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

Instrument :

BNA_F

ClientSampleId :

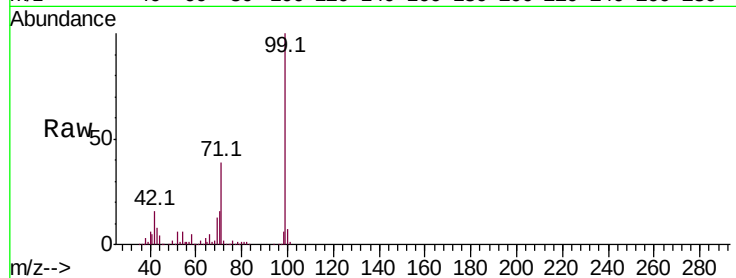
Tot Ion: 99 Resp: 670487

Ion Ratio Lower Upper

99 100

42 15.5 13.7 20.5

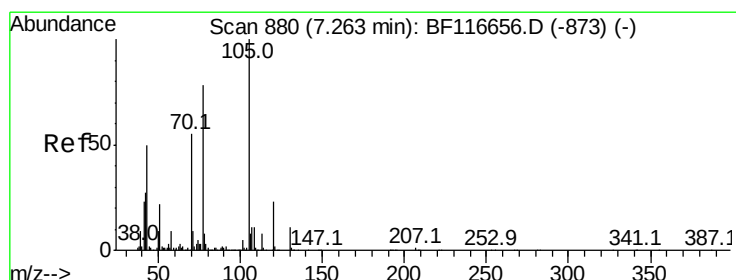
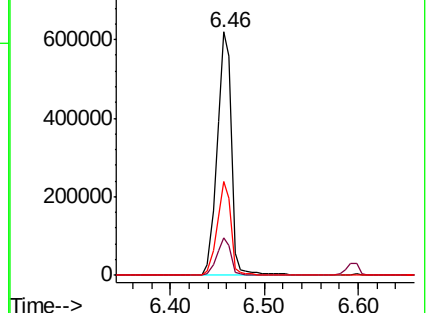
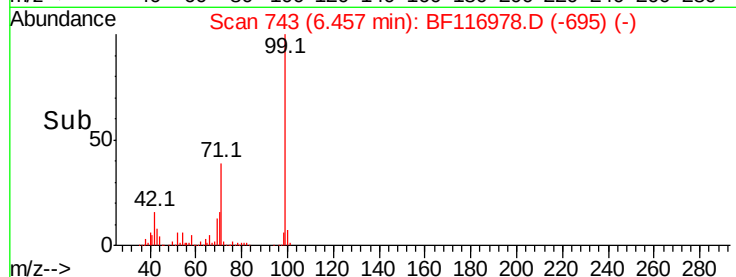
71 38.6 30.8 46.2



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: 12.677 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

Tgt Ion: 70 Resp: 55072

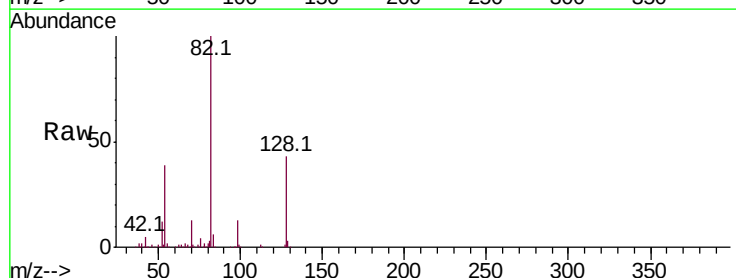
Ion Ratio Lower Upper

70 100

42 34.5 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

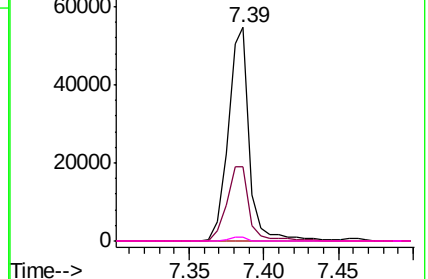
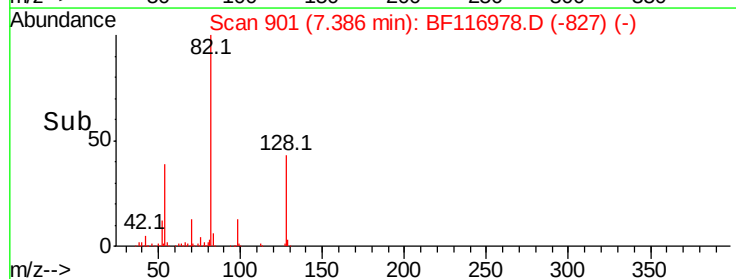


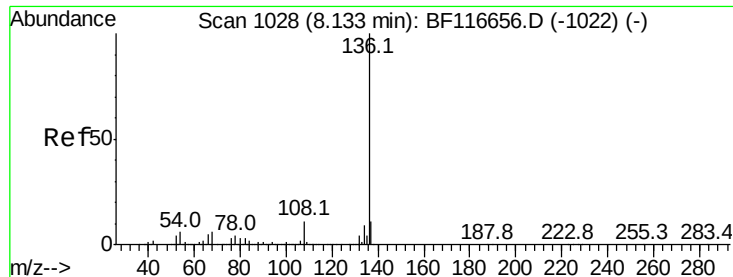
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

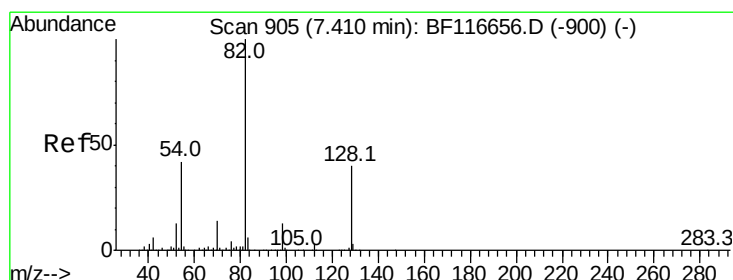
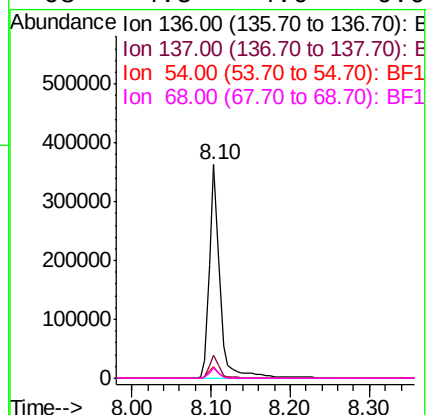
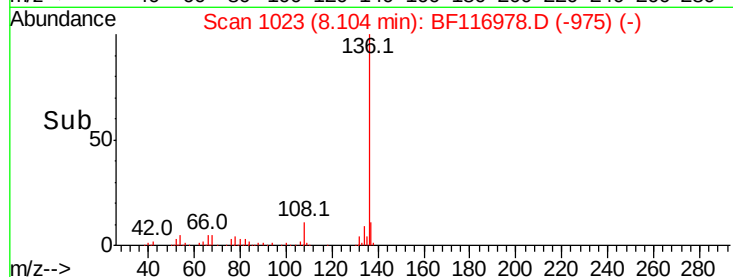
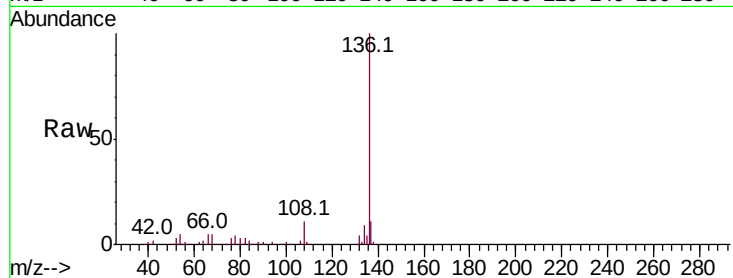




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

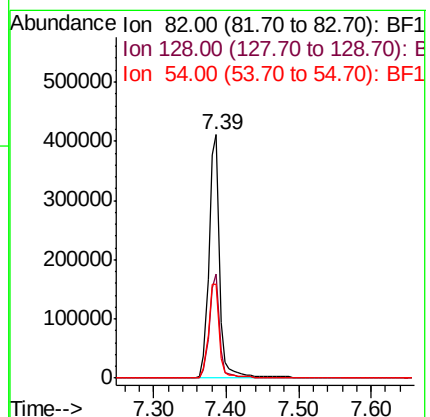
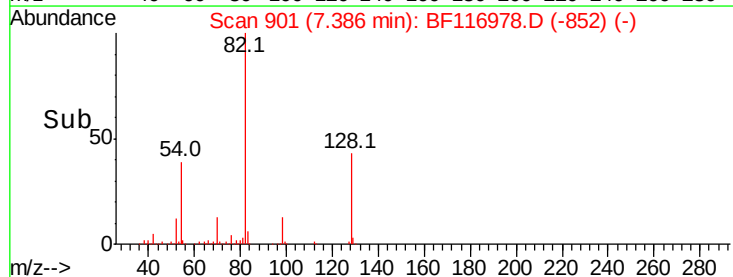
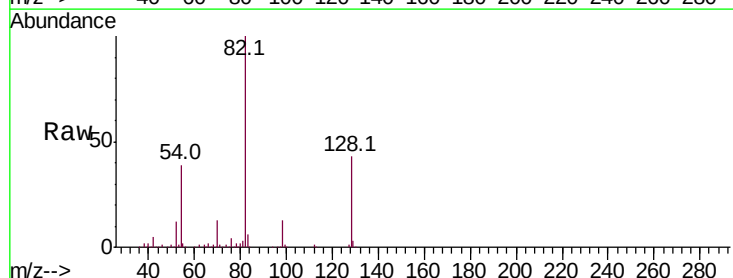
Instrument :
BNA_F
ClientSampleId :

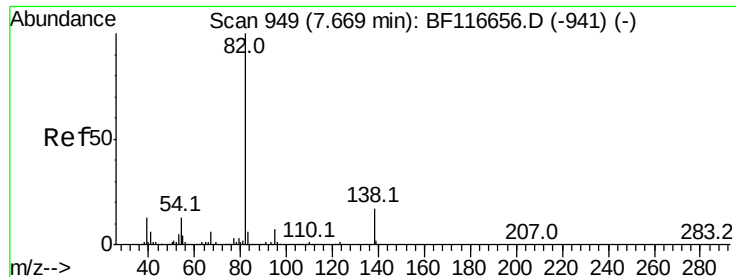
Tot Ion:136	Resp:	340894
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 5.5	4.8	7.2
68 4.5	4.0	6.0



#23
Nitrobenzene-d5
Concen: 71.383 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

Tgt Ion: 82	Resp:	426258
Ion Ratio	Lower	Upper
82 100		
128 42.7	32.8	49.2
54 38.6	36.9	55.3





#25

Isophorone

Concen: 35.227 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

Instrument :

BNA_F

ClientSampled :

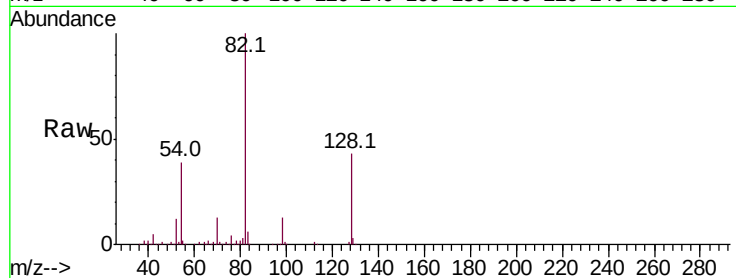
Tot Ion: 82 Resp: 426255

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

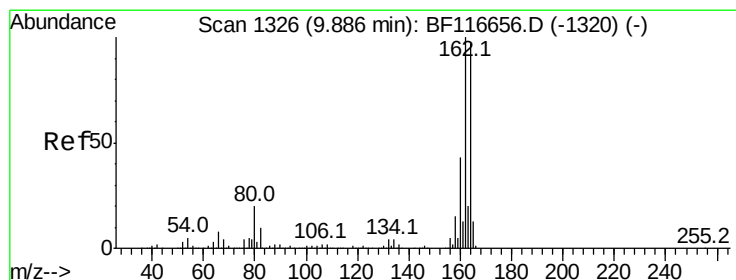
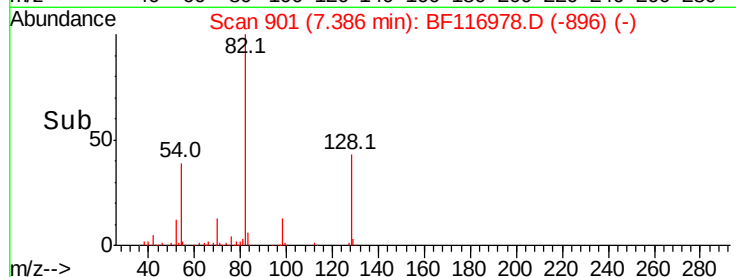
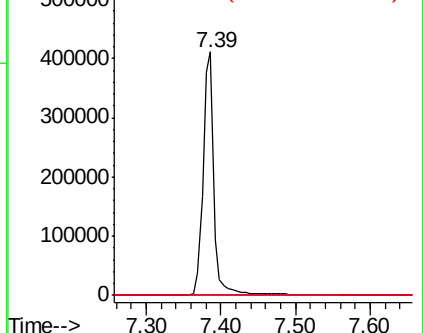
138 0.0 13.5 20.3#



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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

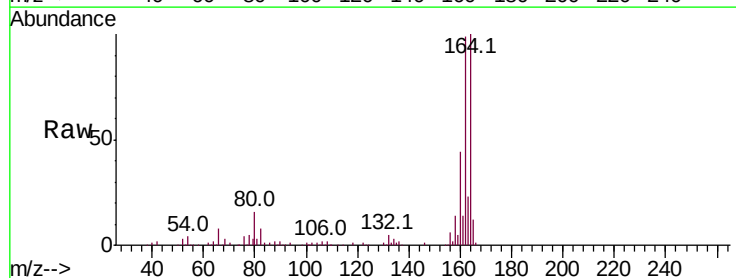
Tgt Ion: 164 Resp: 186129

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.0

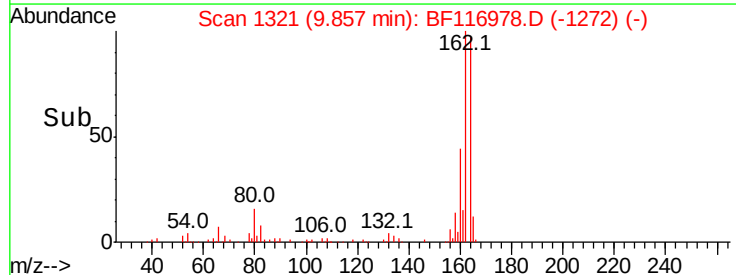
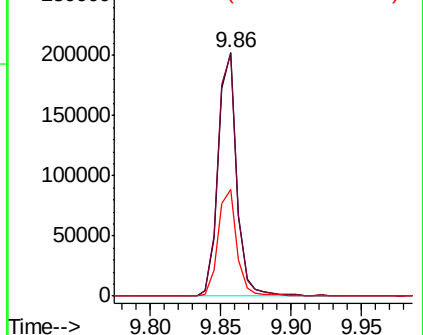
160 43.8 35.4 53.2

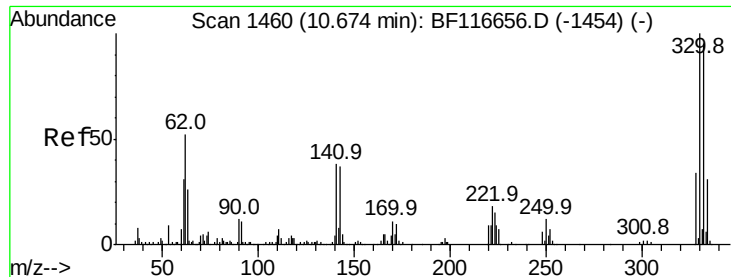


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 114.339 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

Instrument :

BNA_F

ClientSampleId :

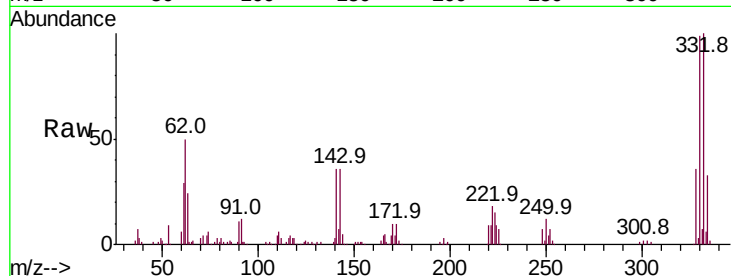
Tot Ion:330 Resp: 142274

Ion Ratio Lower Upper

330 100

332 98.1 76.9 115.3

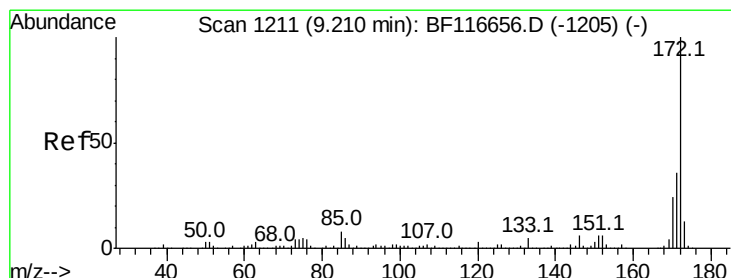
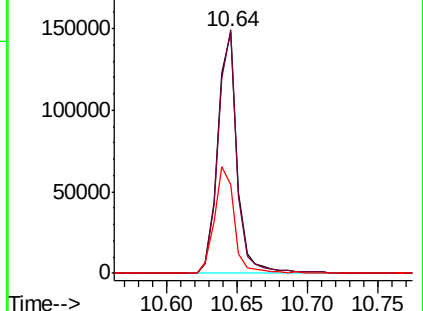
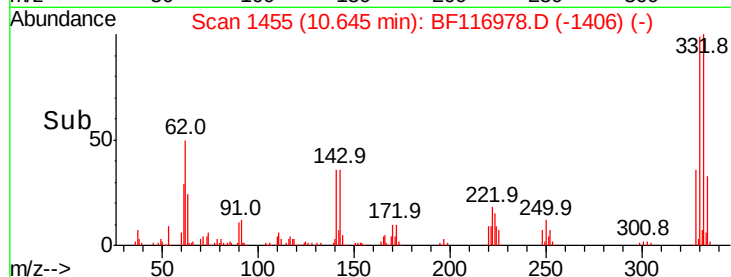
141 45.0 31.4 47.2



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: 66.739 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

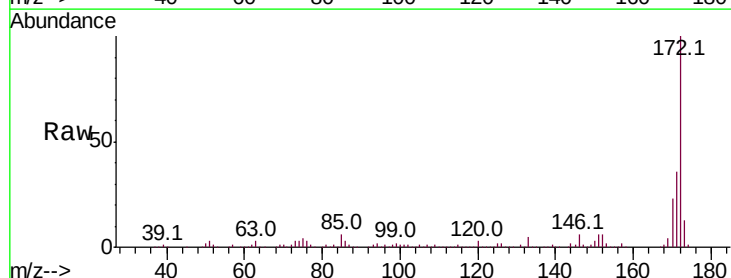
Tgt Ion:172 Resp: 736391

Ion Ratio Lower Upper

172 100

171 36.2 27.8 41.6

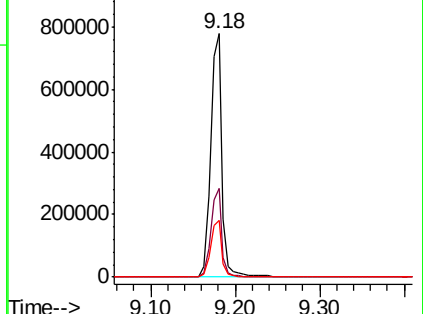
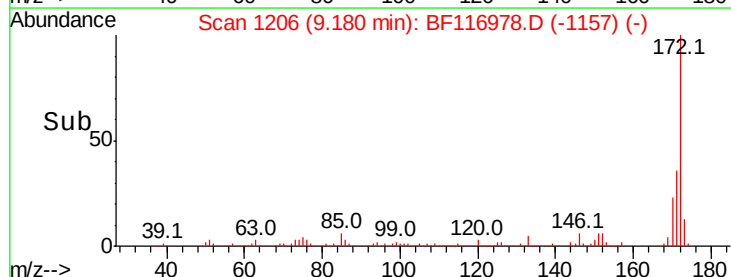
170 23.4 18.9 28.3

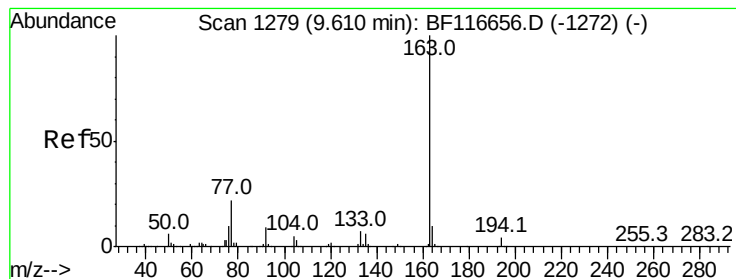


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.414 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

Instrument :

BNA_F

ClientSampleId :

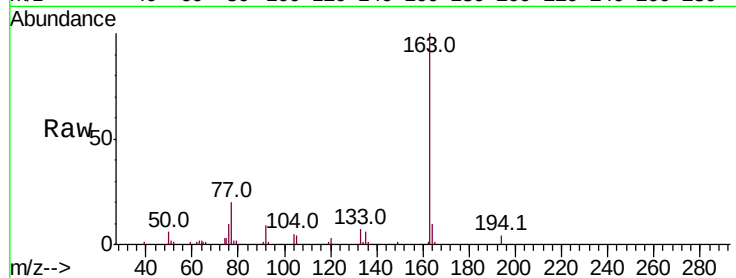
Tot Ion:163 Resp: 69569

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

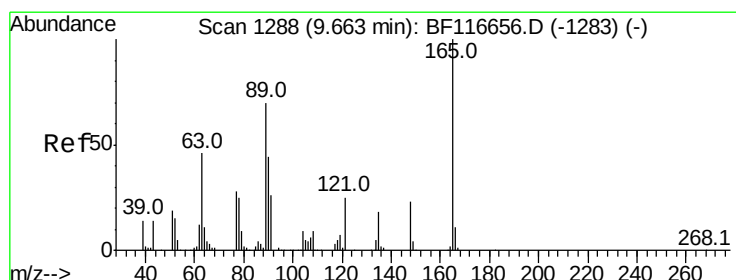
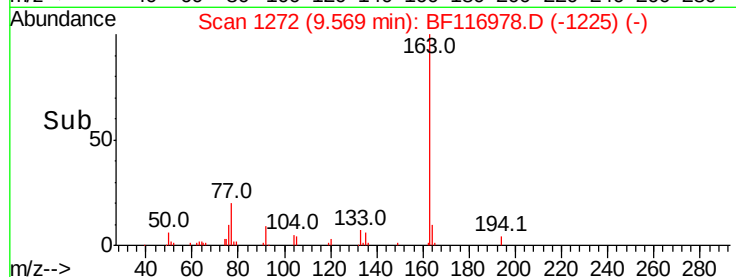
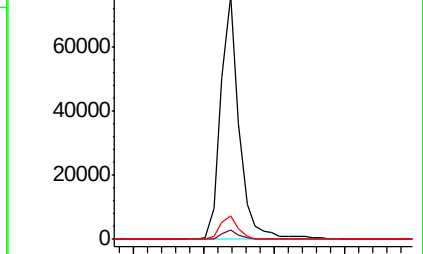
164 9.7 8.6 12.8



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: 9.552 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.21 min

Lab File: BF116978.D

Acq: 12 Sep 2019 6:27

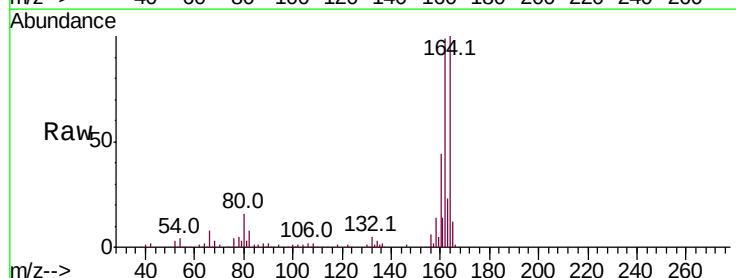
Tgt Ion:165 Resp: 23420

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

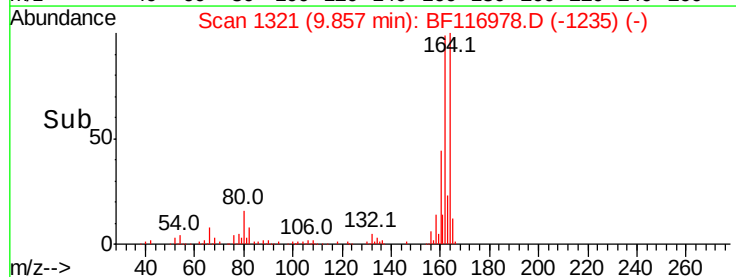
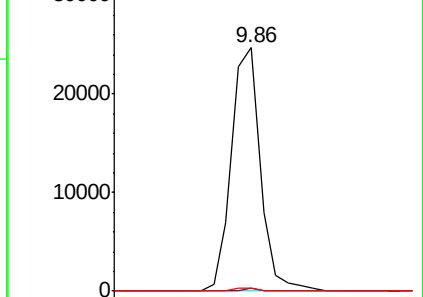
89 1.3 52.5 78.7#

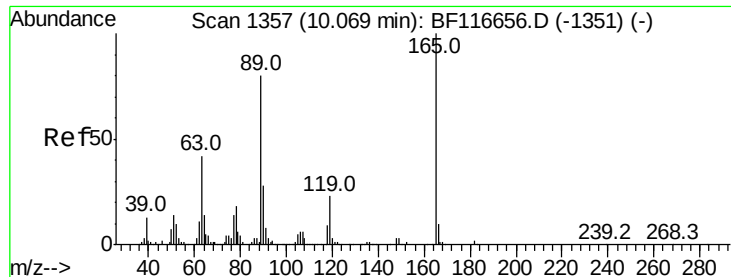


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

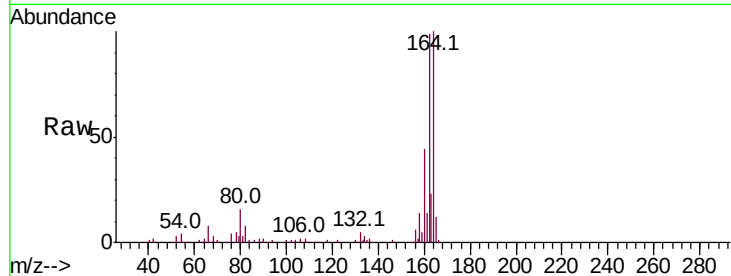




#57
 2,4-Dinitrotoluene
 Concen: 7.812 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.20 min
 Lab File: BF116978.D
 Acq: 12 Sep 2019 6:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	62.6	94.0#
182	0.0	2.1	3.1#

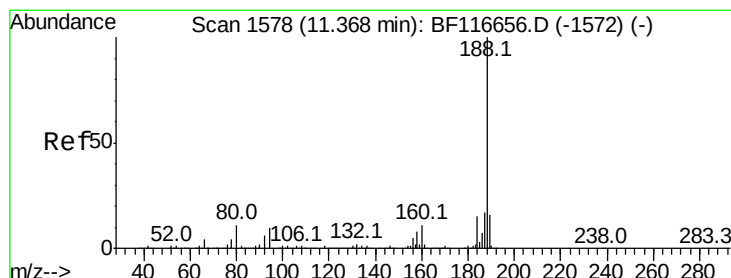
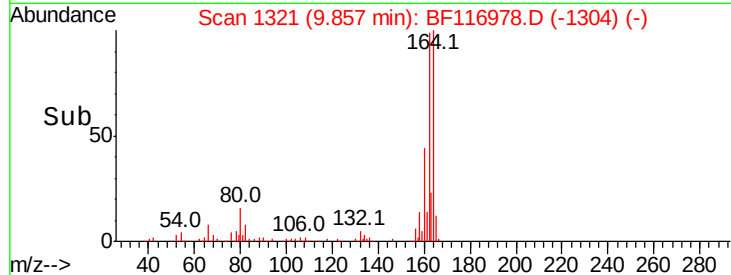
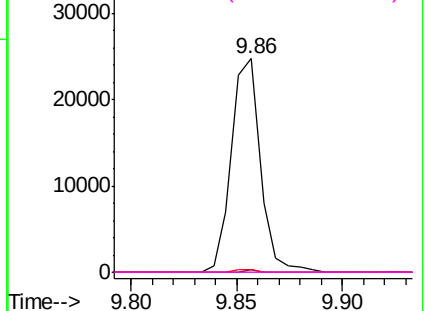


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

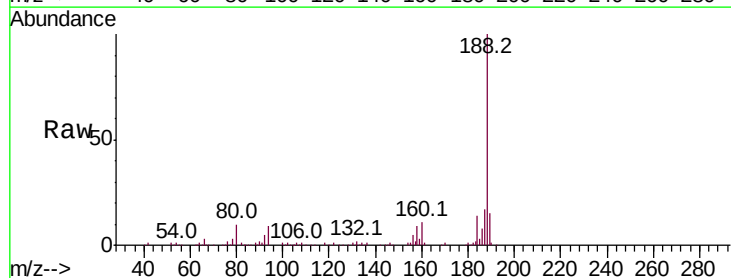
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF116978.D
 Acq: 12 Sep 2019 6:27

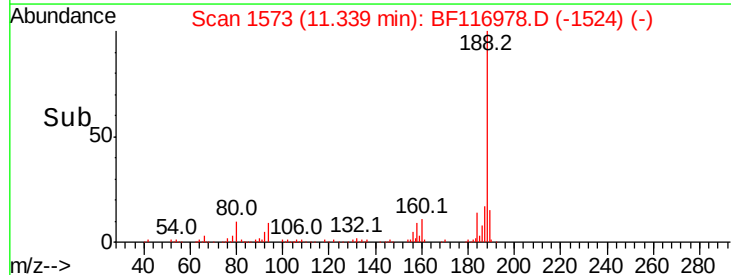
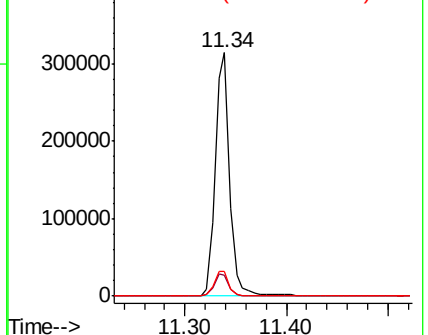
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.3	10.9
80	10.3	8.4	12.6

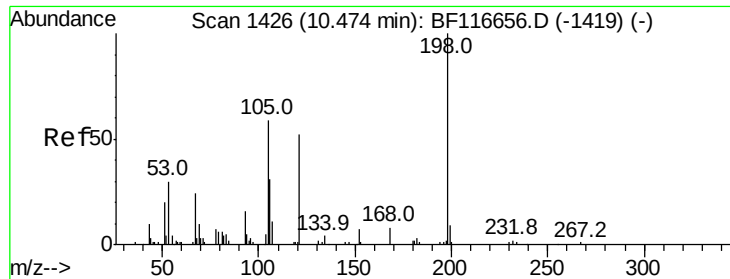


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

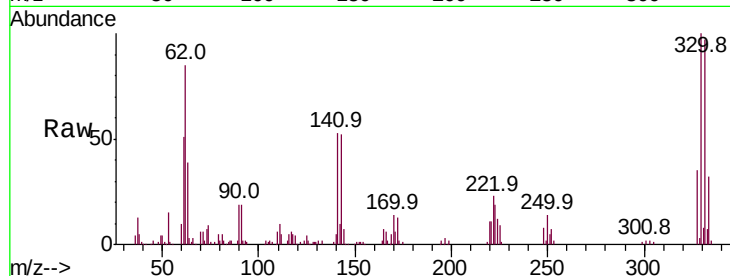




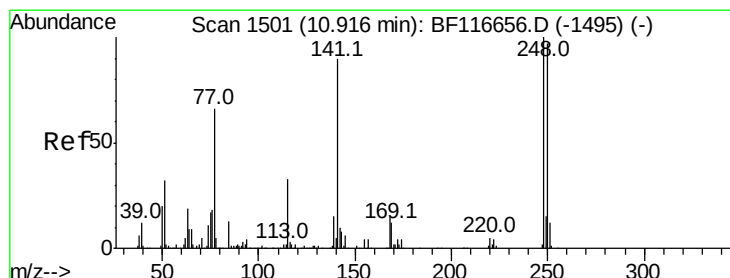
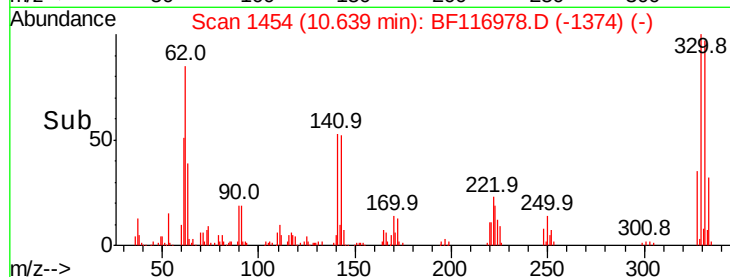
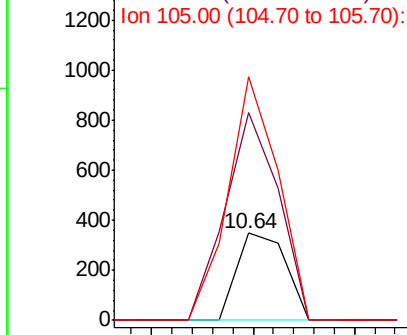
#65
4,6-Dinitro-2-methylphenol
Concen: 7.622 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.17 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 232
Ion Ratio Lower Upper
198 100
51 238.4 18.4 58.4#
105 278.8 22.9 62.9#

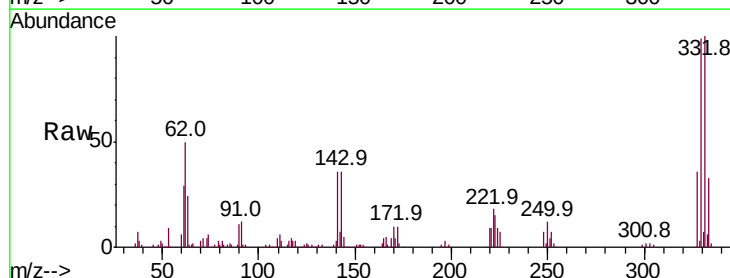


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

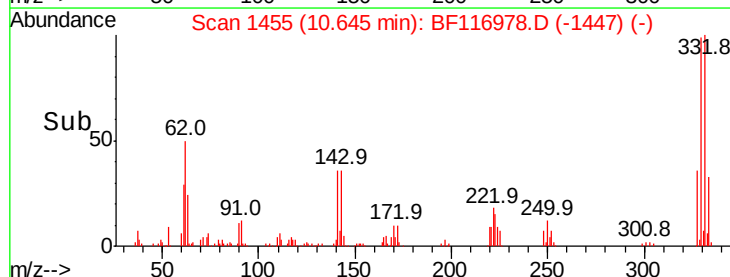
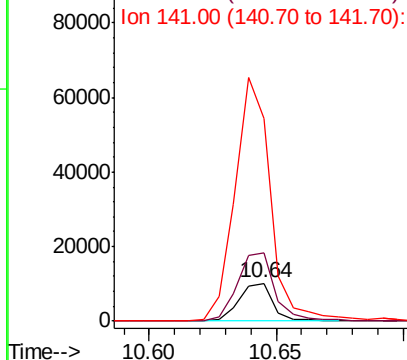


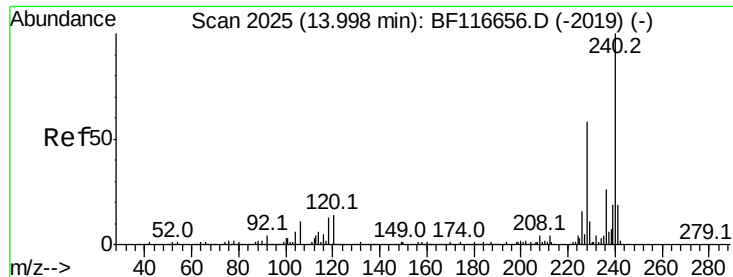
#67
4-Bromophenyl-phenylether
Concen: 2.968 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.25 min
Lab File: BF116978.D
Acq: 12 Sep 2019 6:27

Tgt Ion:248 Resp: 9399
Ion Ratio Lower Upper
248 100
250 181.4 77.8 116.8#
141 536.1 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

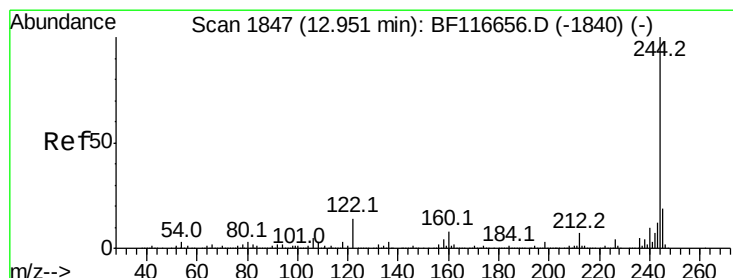
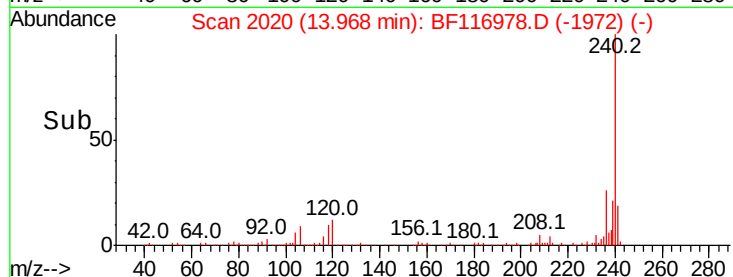
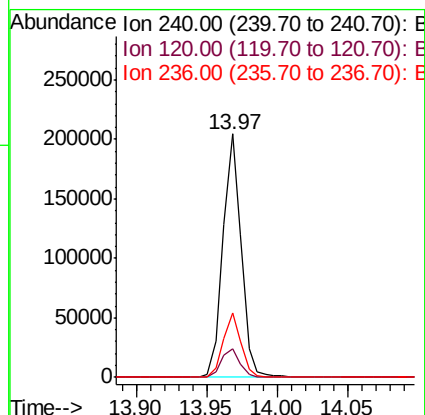
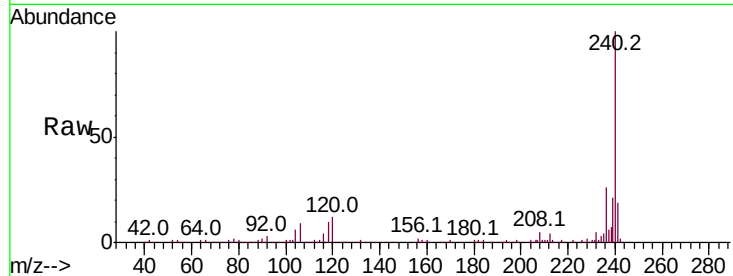




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF116978.D
 Acq: 12 Sep 2019 6:27

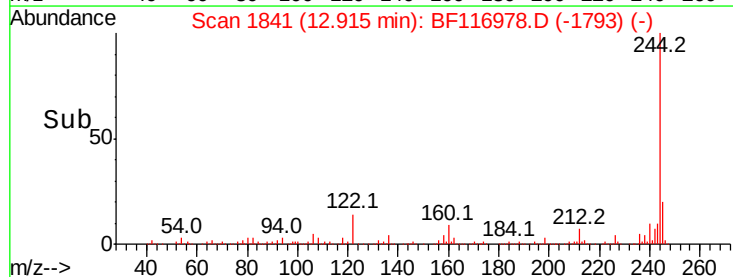
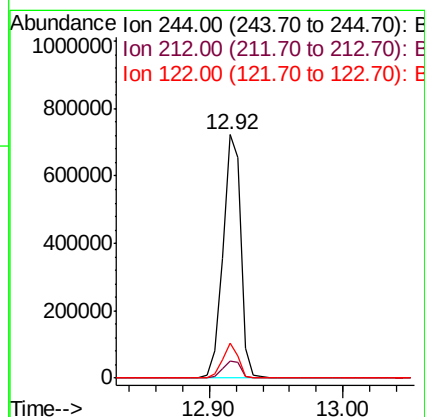
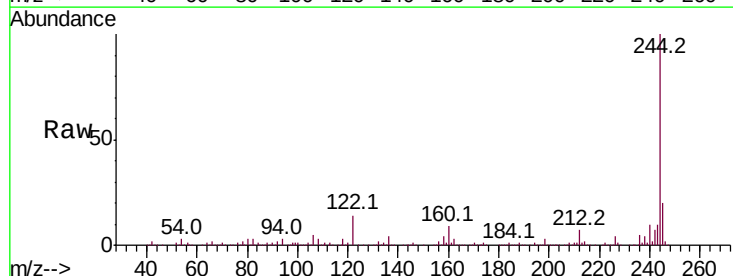
Instrument :
 BNA_F
 ClientSampled :

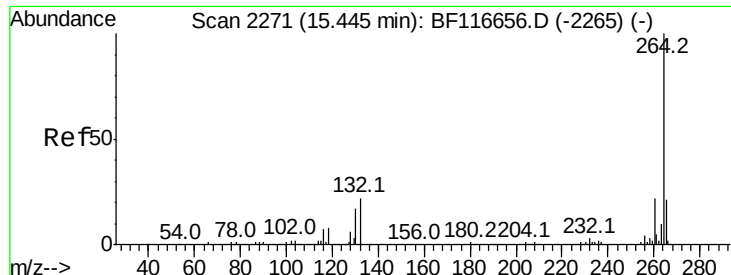
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.1	13.7
236	26.5	21.1	31.7



#79
 Terphenyl-d14
 Concen: 68.777 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116978.D
 Acq: 12 Sep 2019 6:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.2	10.2	15.4

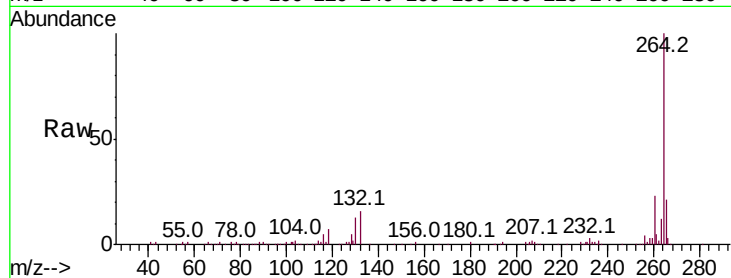




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BF116978.D
 Acq: 12 Sep 2019 6:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	21.1	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

