

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072319\
 Data File : BF115736.D
 Acq On : 23 Jul 2019 23:02
 Operator : HP/JU
 Sample : K3938-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE

Quant Time: Jul 24 04:59:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

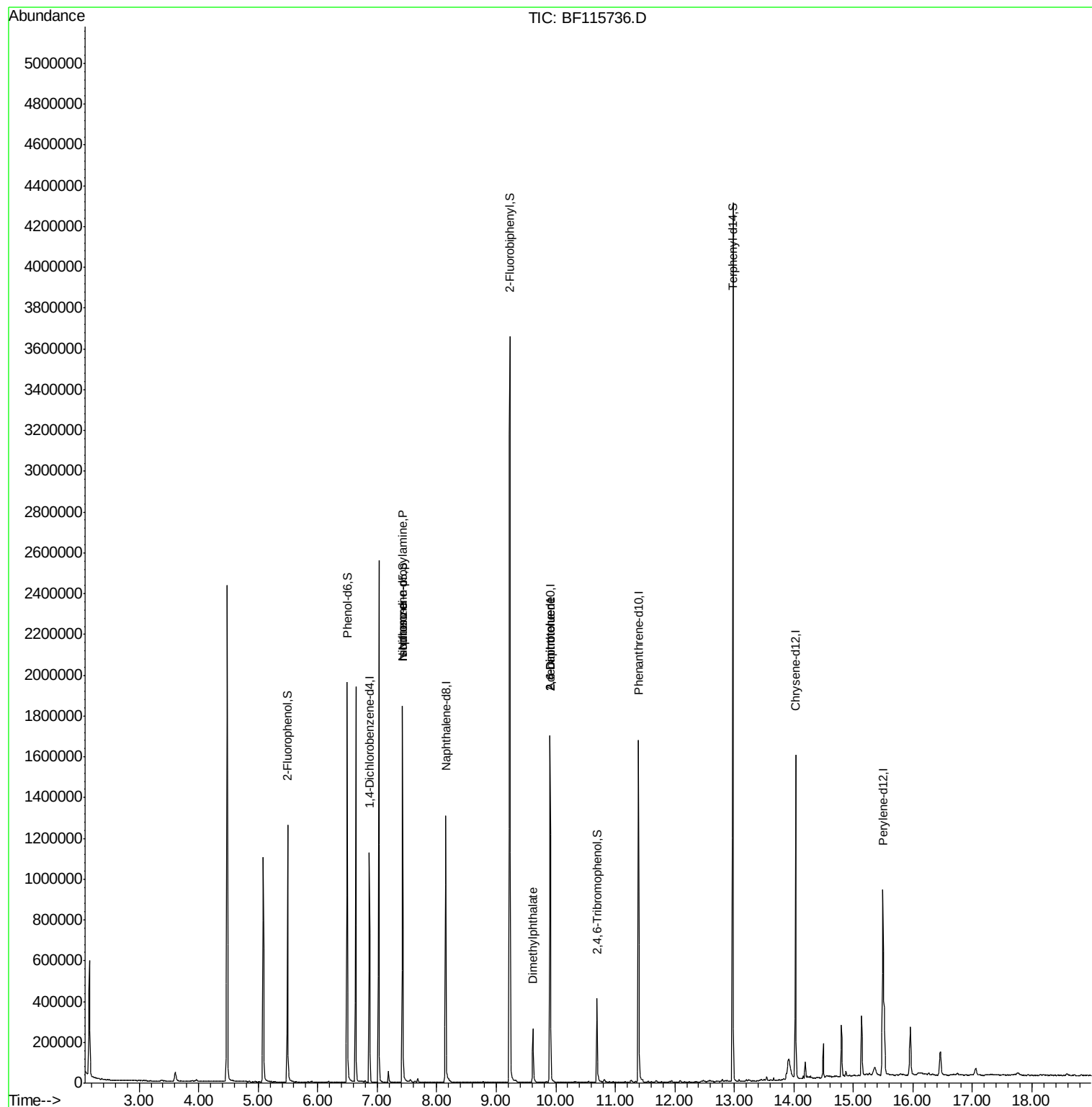
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154979	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	623752	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	348750	20.00	ng	-0.02
64) Phenanthrene-d10	11.39	188	654727	20.00	ng	-0.02
76) Chrysene-d12	14.03	240	506547	20.00	ng	-0.02
87) Perylene-d12	15.50	264	461931	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	345436	36.46	ng	-0.01
7) Phenol-d6	6.50	99	745574	62.02	ng	-0.02
23) Nitrobenzene-d5	7.43	82	608779	56.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	57827	14.21	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1207715	60.61	ng	-0.02
79) Terphenyl-d14	12.97	244	1518738	55.32	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	79780	10.175	ng	Qvalue # 80
25) Isophorone	7.43	82	594281	27.686	ng	# 64
50) Dimethylphthalate	9.62	163	126172	4.809	ng	98
51) 2,6-Dinitrotoluene	9.90	165	44626	7.484	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	44627	5.777	ng	# 24

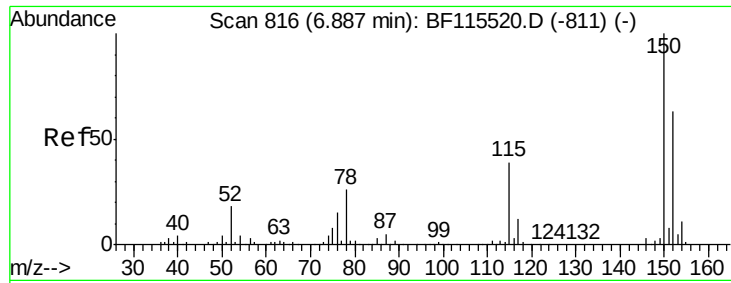
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 24 04:59:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



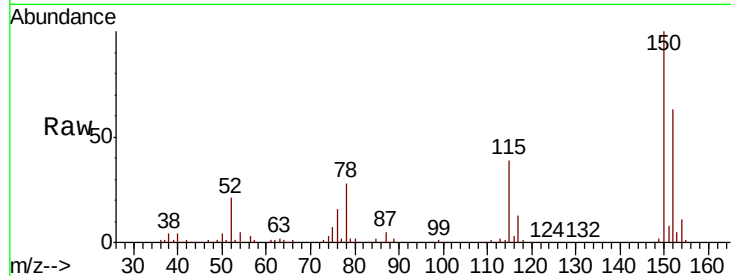


#1

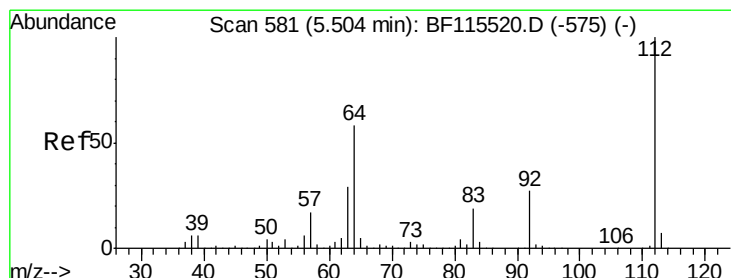
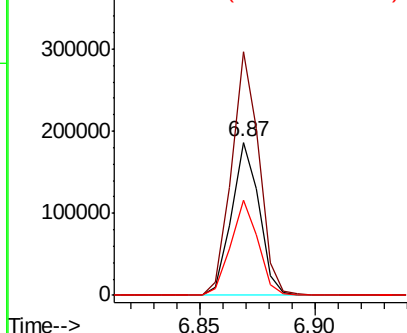
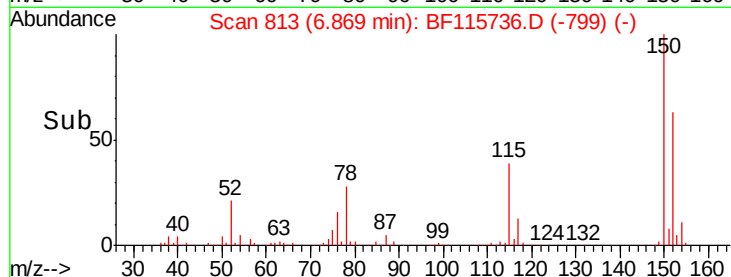
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE

Tgt Ion:152 Resp: 154979
Ion Ratio Lower Upper
152 100
150 159.0 129.7 194.5
115 62.3 48.2 72.4



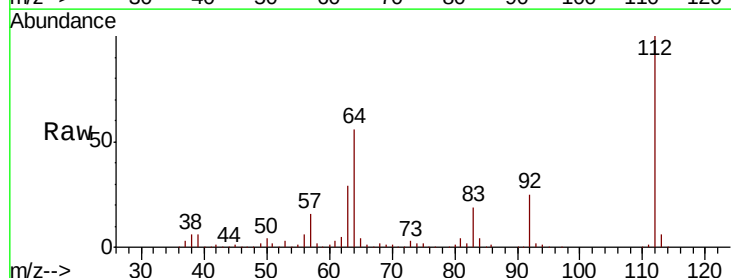
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



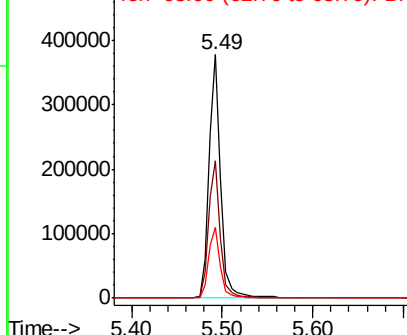
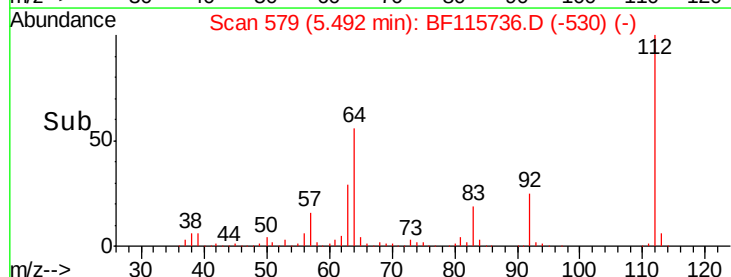
#5

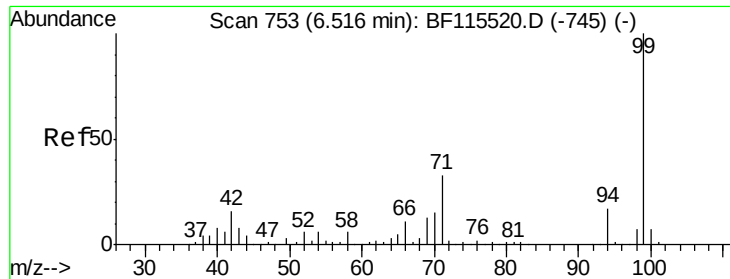
2-Fluorophenol
Concen: 36.459 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Tgt Ion:112 Resp: 345436
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 29.0 24.1 36.1



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: 62.016 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA_F

ClientSampled :

CONCRETE

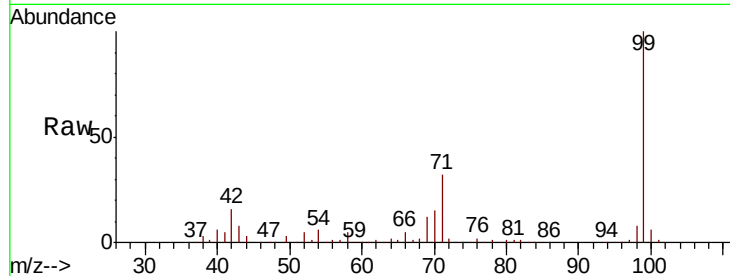
Tgt Ion: 99 Resp: 745574

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

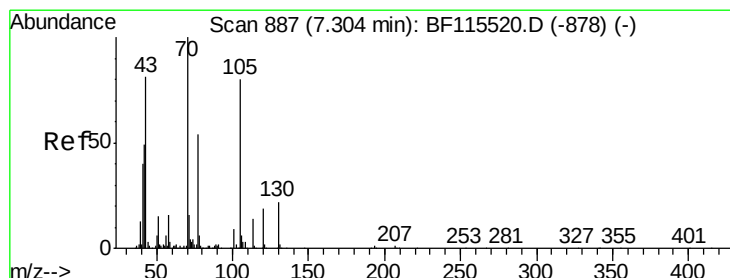
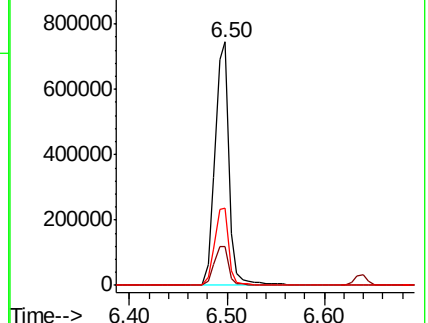
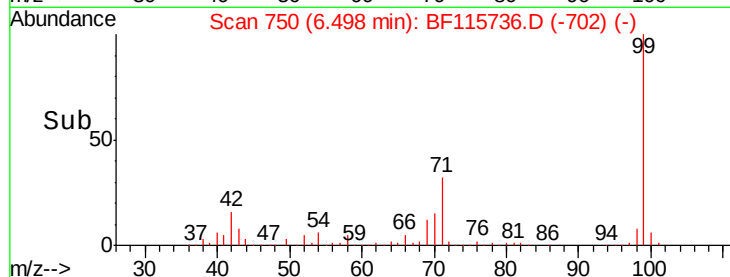
71 31.9 28.5 42.7



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: 10.175 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.12 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Tgt Ion: 70 Resp: 79780

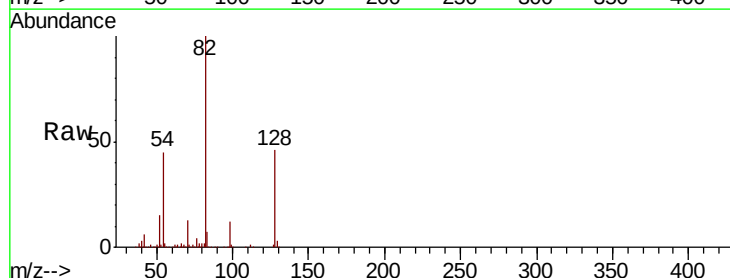
Ion Ratio Lower Upper

70 100

42 43.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#

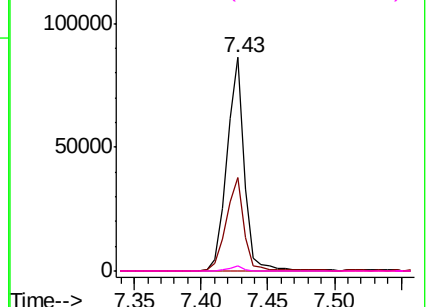
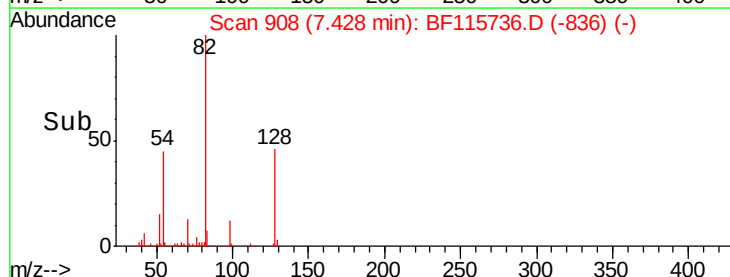


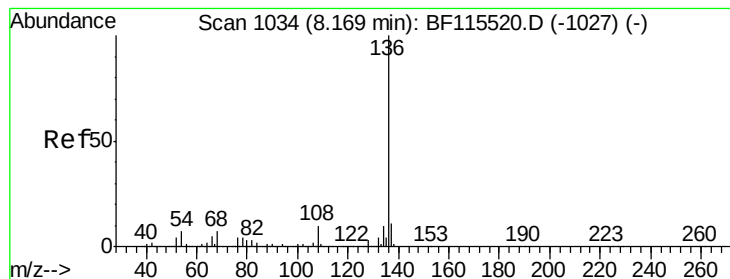
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE

Tgt Ion: 136 Resp: 623752

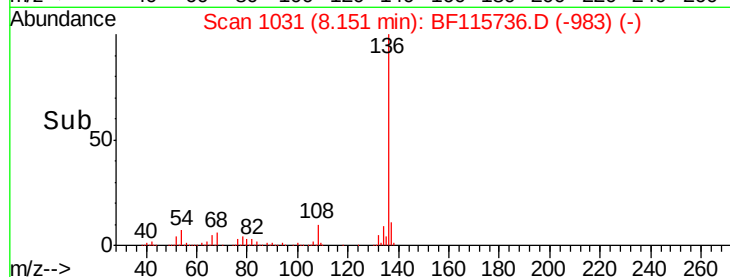
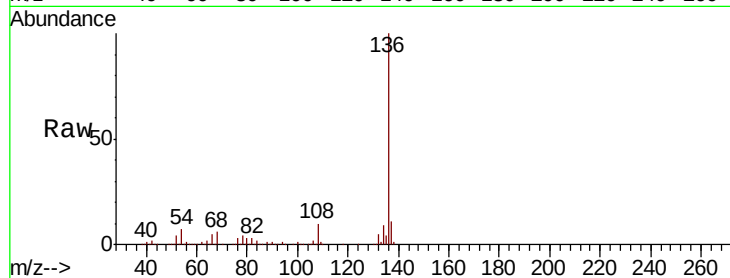
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 5.6 8.4

68 5.9 5.0 7.6

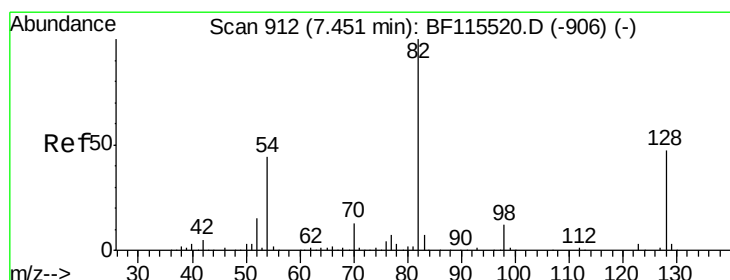
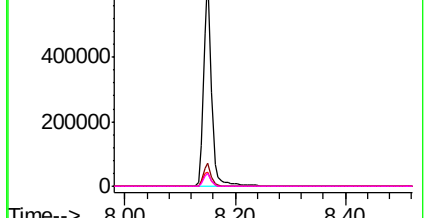


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 56.751 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

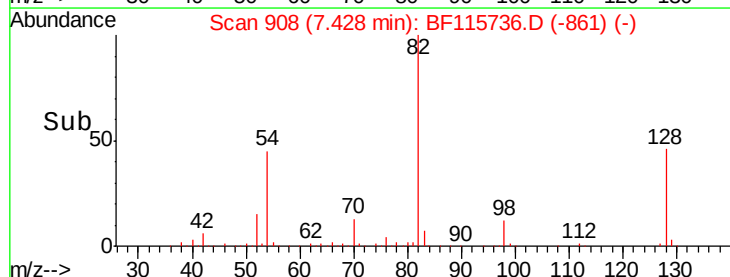
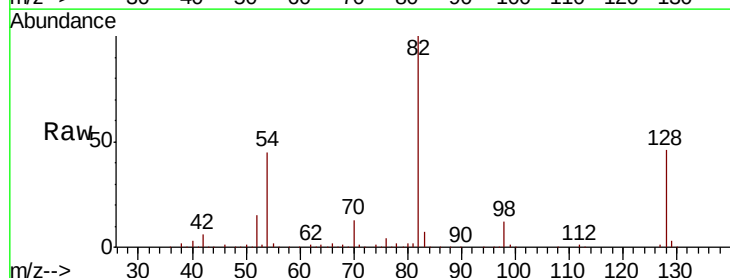
Tgt Ion: 82 Resp: 608779

Ion Ratio Lower Upper

82 100

128 45.6 38.6 57.8

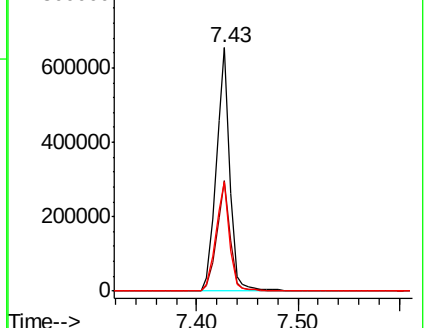
54 44.8 35.6 53.4

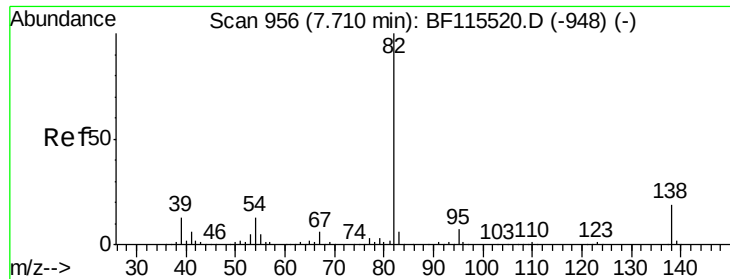


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.686 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE

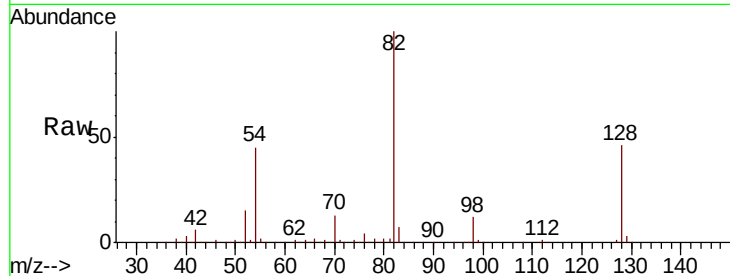
Tgt Ion: 82 Resp: 594281

Ion Ratio Lower Upper

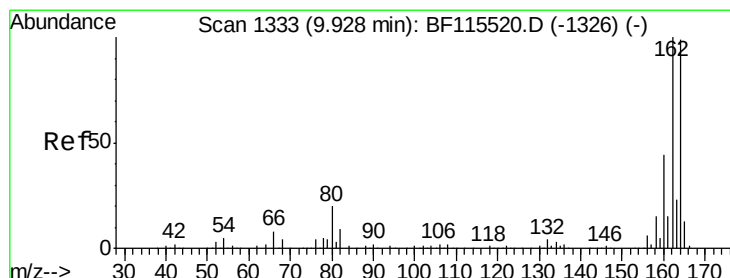
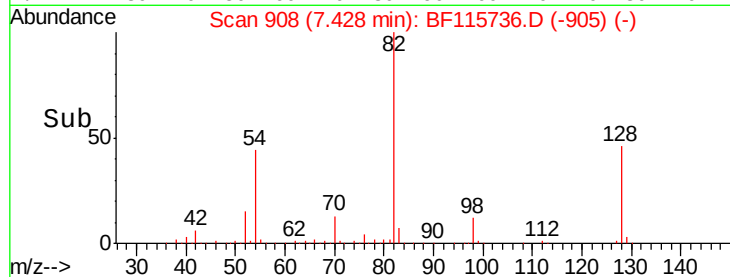
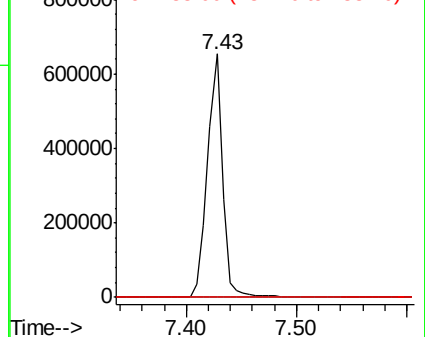
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

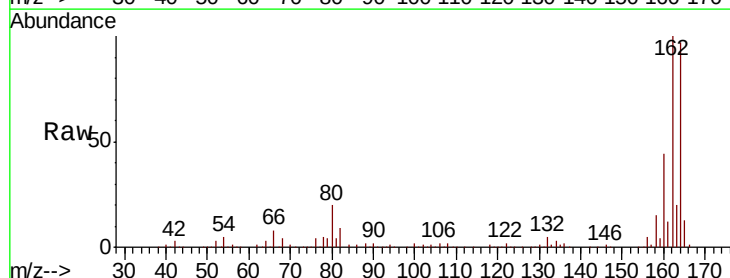
Tgt Ion: 164 Resp: 348750

Ion Ratio Lower Upper

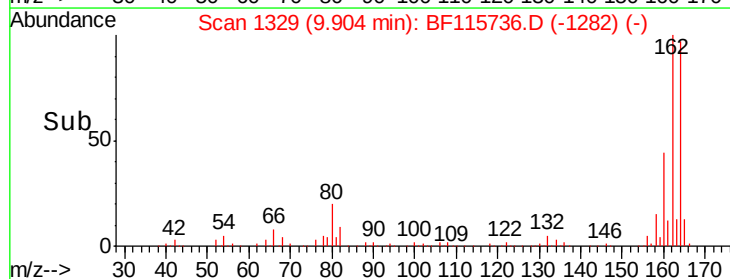
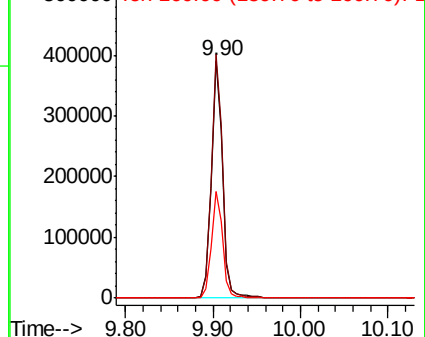
164 100

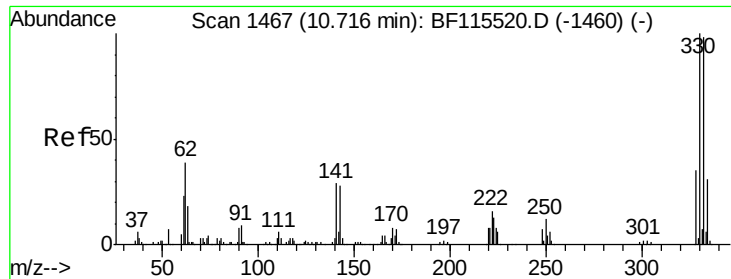
162 102.6 82.9 124.3

160 45.0 36.8 55.2



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: 14.205 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE

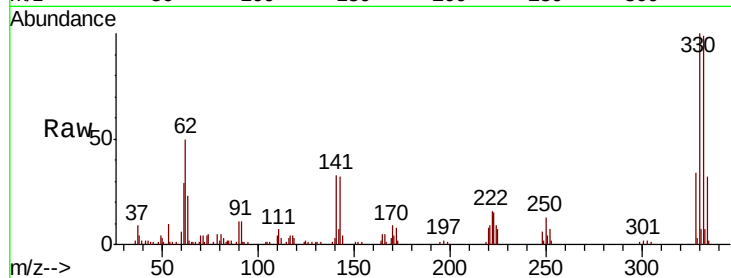
Tgt Ion:330 Resp: 57827

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

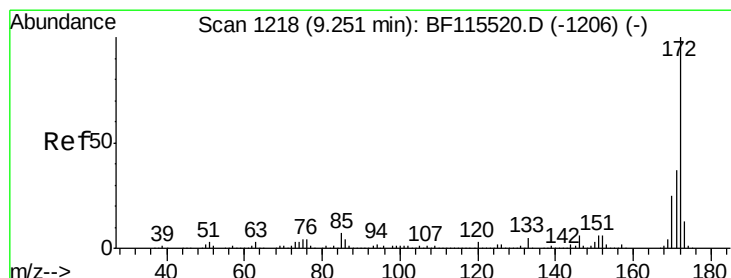
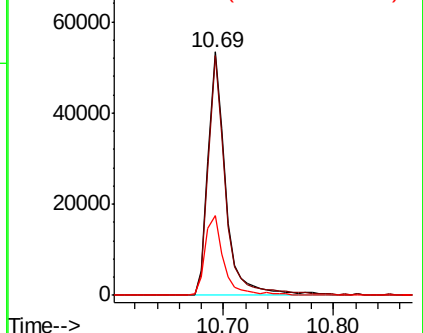
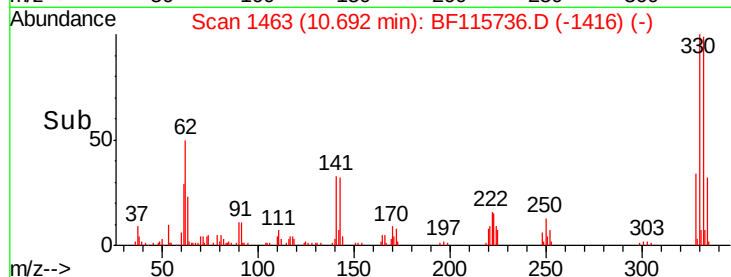
141 33.9 22.4 33.6#



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: 60.612 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

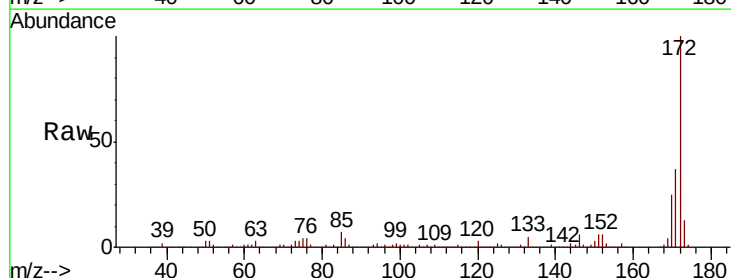
Tgt Ion:172 Resp: 1207715

Ion Ratio Lower Upper

172 100

171 36.5 30.6 46.0

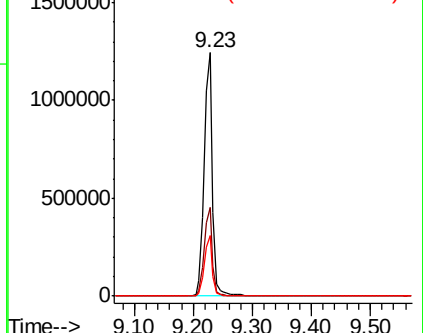
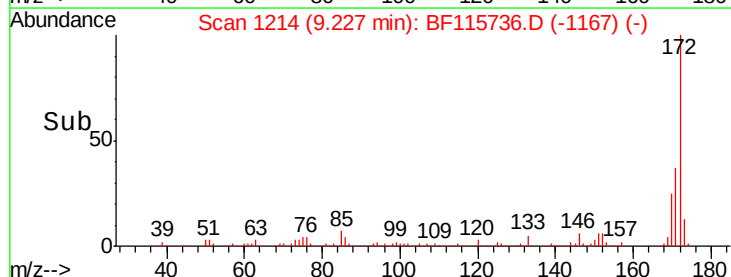
170 25.0 20.5 30.7

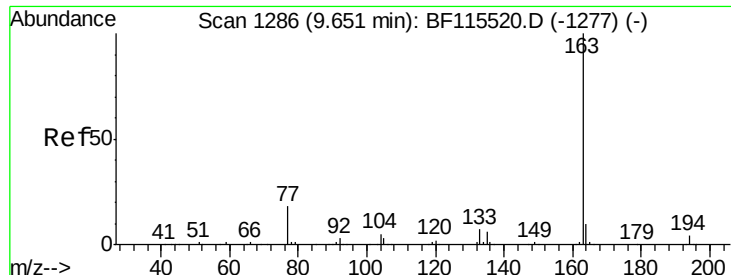


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

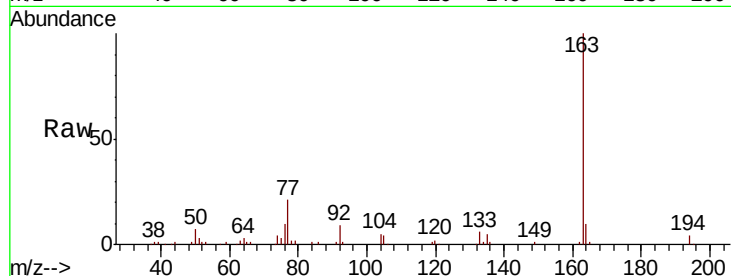




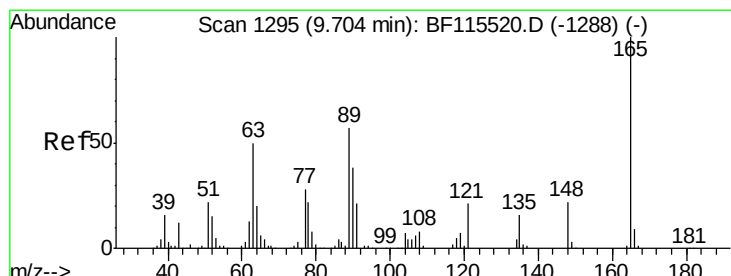
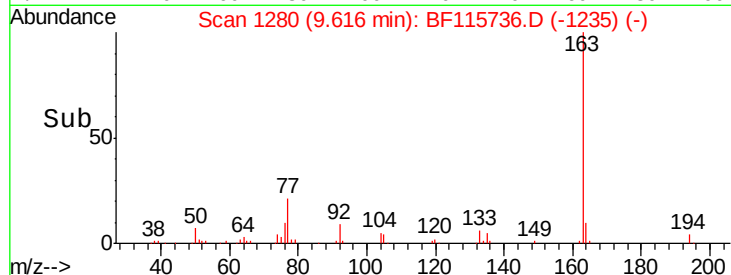
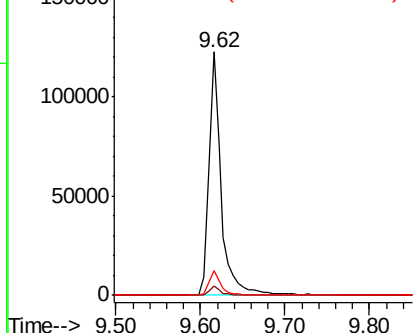
#50
Dimethylphthalate
Concen: 4.809 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Instrument :
BNA_F
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CONCRETE

Tgt Ion:163 Resp: 126172
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.7 13.1

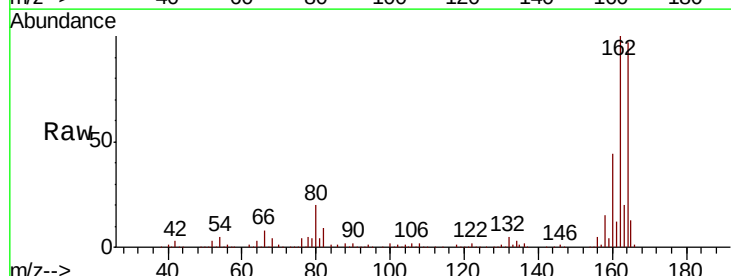


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

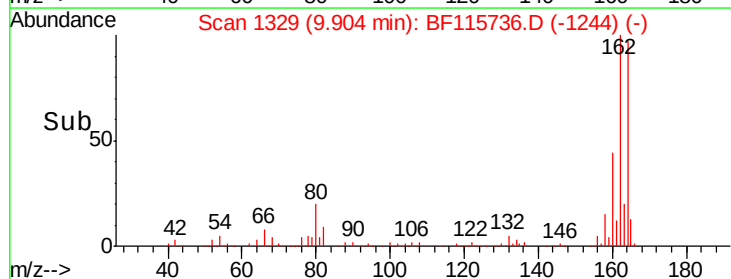
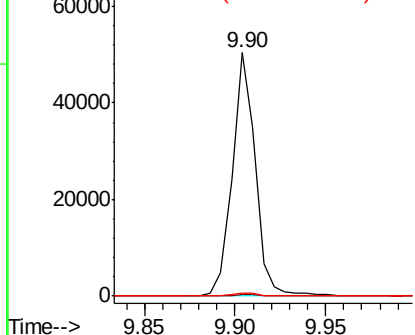


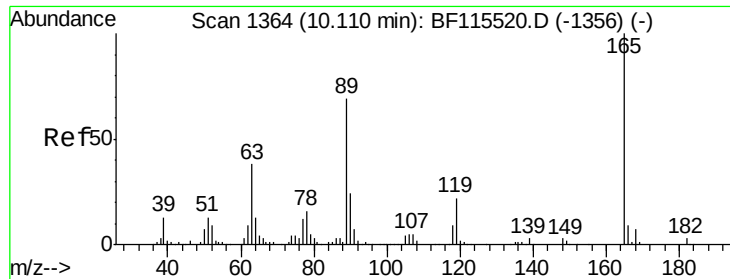
#51
2,6-Dinitrotoluene
Concen: 7.484 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.20 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Tgt Ion:165 Resp: 44626
Ion Ratio Lower Upper
165 100
63 0.9 40.6 61.0#
89 1.4 43.9 65.9#



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

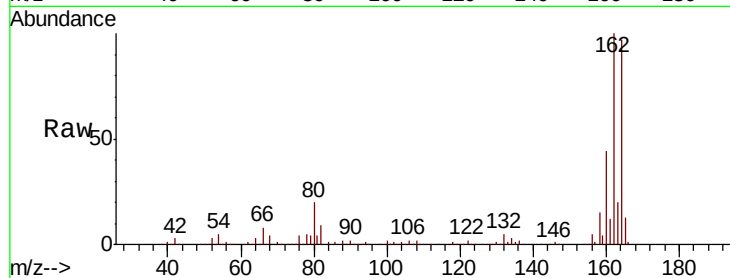




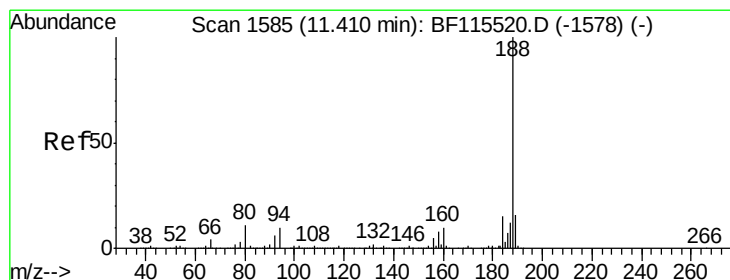
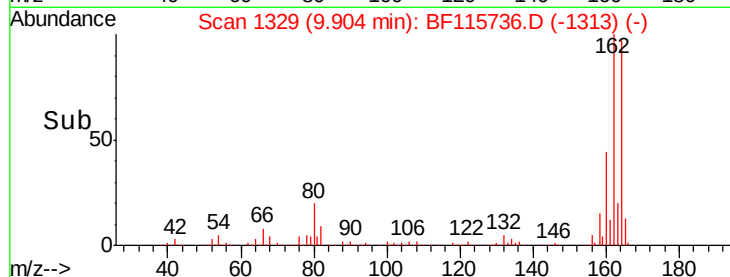
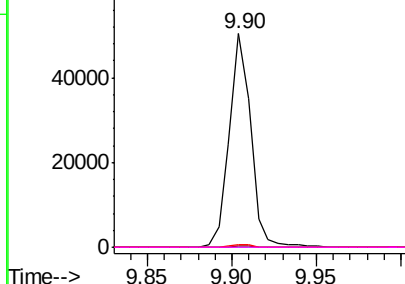
#57
 2,4-Dinitrotoluene
 Concen: 5.777 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF115736.D
 Acq: 23 Jul 2019 23:02

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.9	52.3#
89	1.4	57.5	86.3#
182	0.0	2.2	3.4#

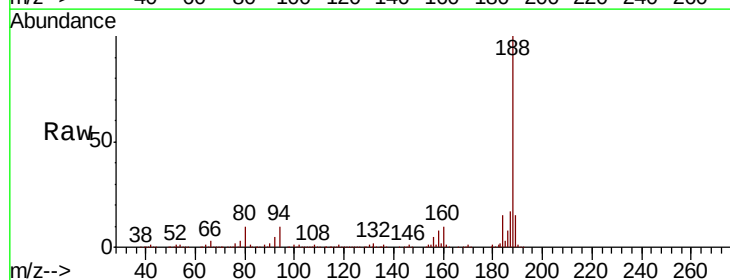


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

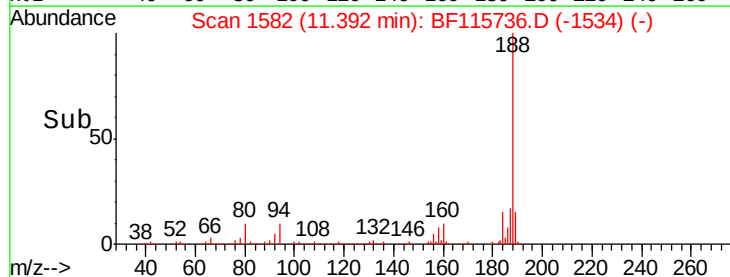
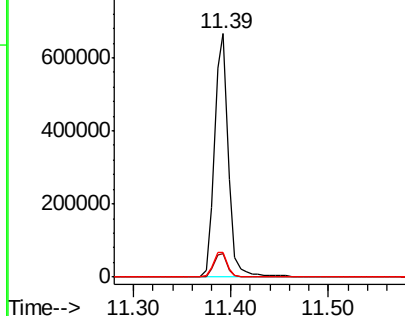


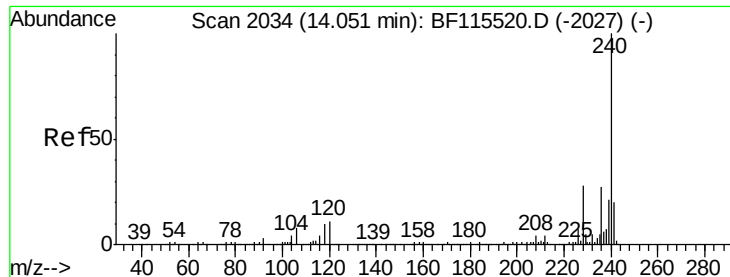
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.02 min
 Lab File: BF115736.D
 Acq: 23 Jul 2019 23:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.0	8.6	13.0



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

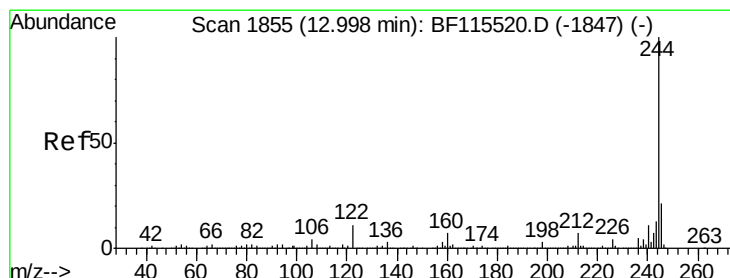
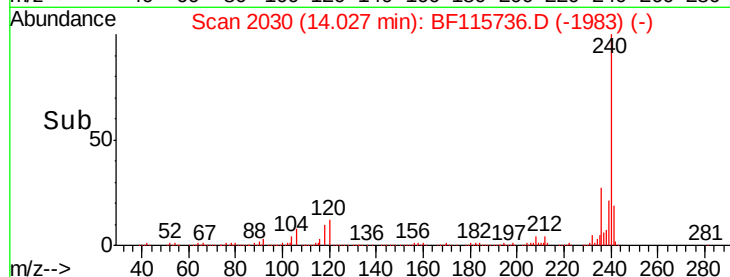
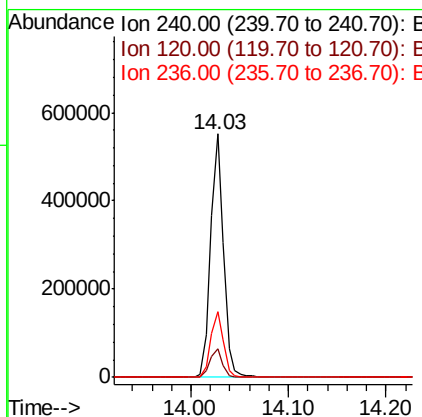
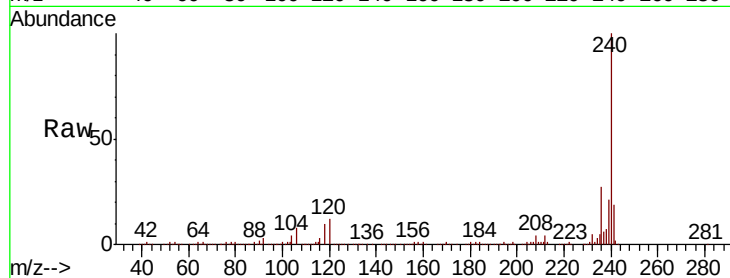




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

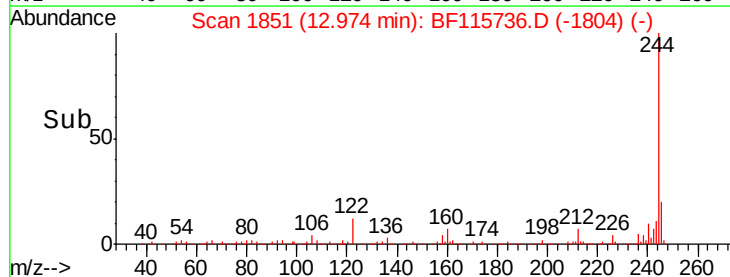
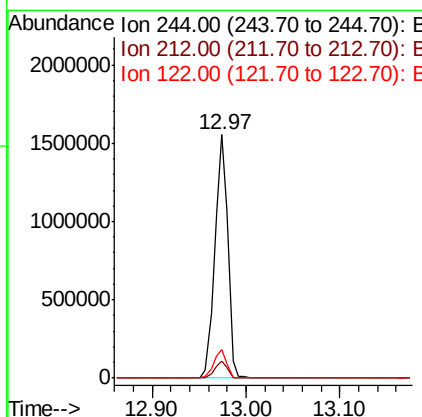
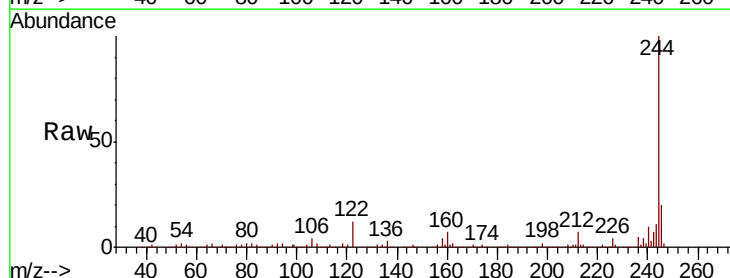
Instrument :
BNA_F
ClientSampleId :
CONCRETE

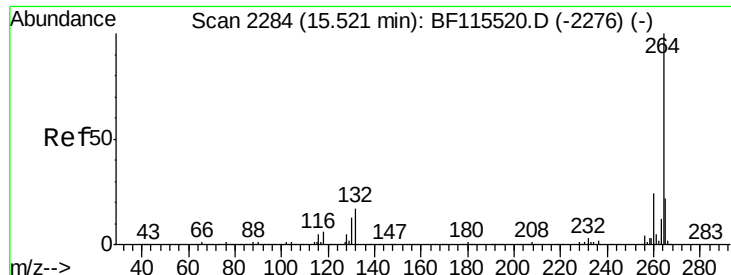
Tgt Ion:240 Resp: 506547
Ion Ratio Lower Upper
240 100
120 11.8 8.6 13.0
236 26.9 21.3 31.9



#79
Terphenyl-d14
Concen: 55.322 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Tgt Ion:244 Resp: 1518738
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 11.9 8.6 12.8





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF115736.D
Acq: 23 Jul 2019 23:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE

Tgt Ion:	264	Resp:	461931
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	21.6	17.7	26.5

