

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114333.D
 Acq On : 17 May 2019 2:49
 Operator : JU/SJ
 Sample : K2867-17
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-I

Quant Time: May 17 08:01:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

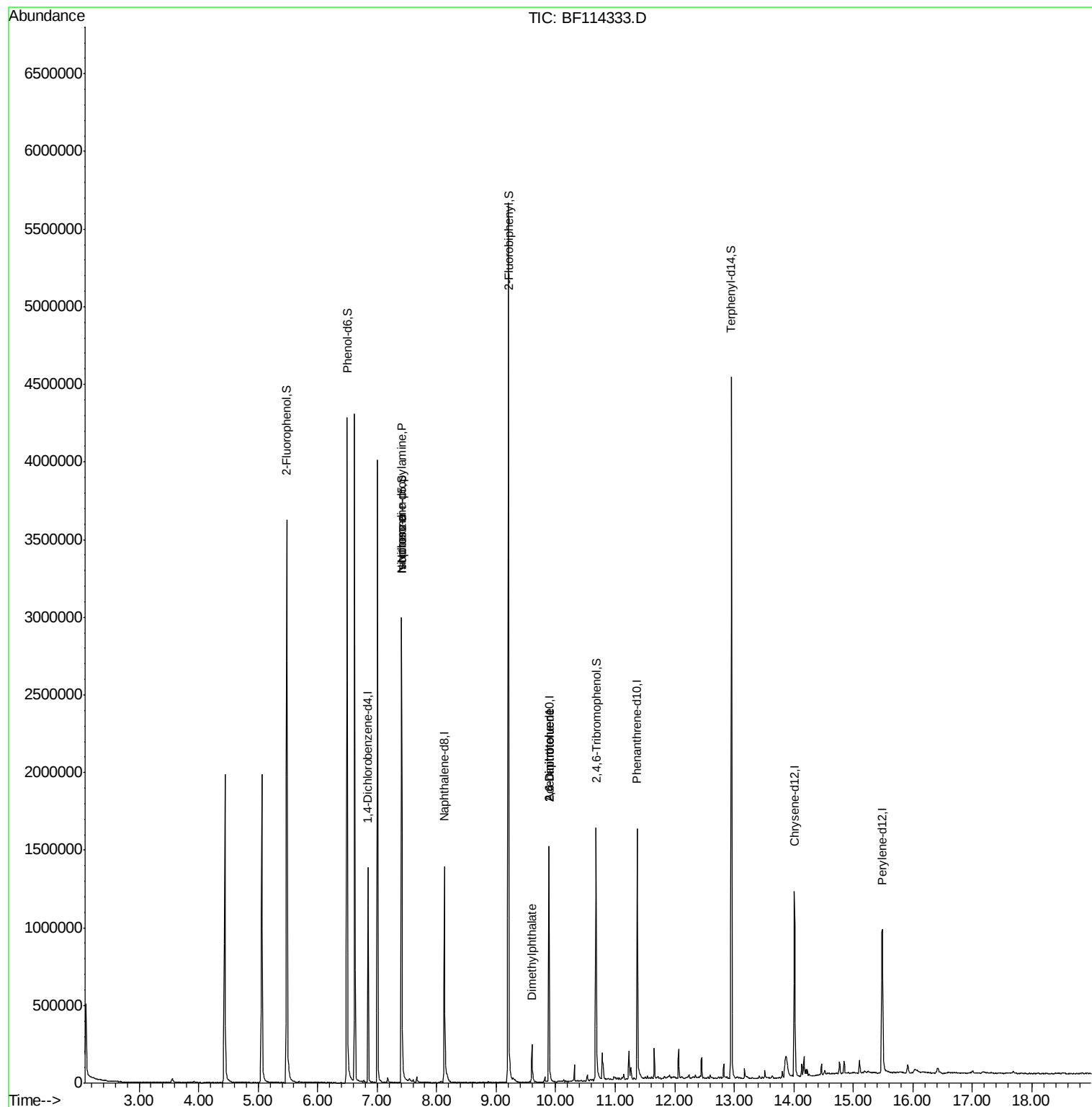
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	200694	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	762943	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	340666	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	631027	20.00	ng	0.00
76) Chrysene-d12	14.01	240	425828	20.00	ng	-0.01
87) Perylene-d12	15.49	264	490604	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1034627	82.96	ng	0.00
7) Phenol-d6	6.49	99	1554544	105.39	ng	0.00
23) Nitrobenzene-d5	7.41	82	991428	72.93	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	221417	62.87	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1746575	77.55	ng	0.00
79) Terphenyl-d14	12.95	244	1555426	75.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	128094	13.701	ng	# 76
25) Isophorone	7.41	82	991422	39.322	ng	# 64
50) Dimethylphthalate	9.60	163	124192	4.966	ng	100
51) 2,6-Dinitrotoluene	9.88	165	44221	7.972	ng	# 22
57) 2,4-Dinitrotoluene	9.88	165	44221	5.874	ng	# 25

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

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Quant Time: May 17 08:01:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



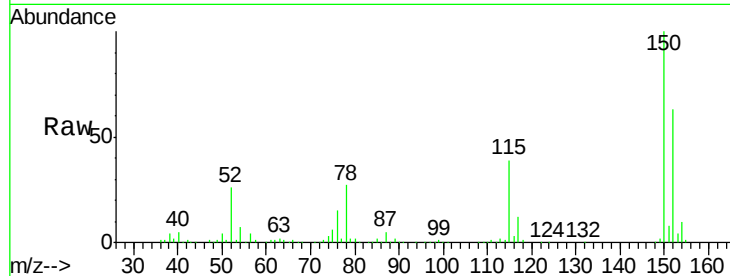


#1

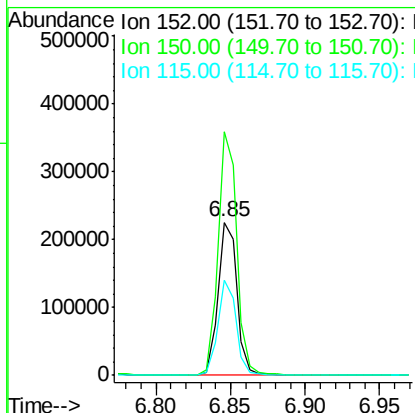
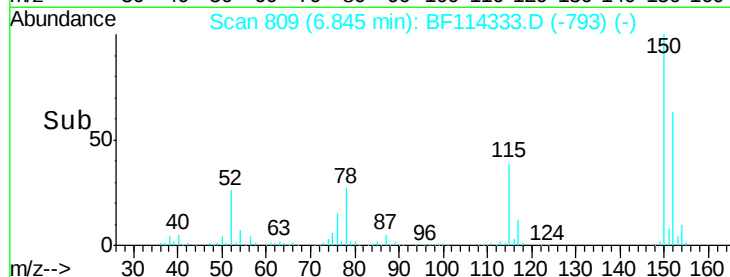
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114333.D
Acq: 17 May 2019 2:49

Instrument :
BNA_F
ClientSampleId :
CONCRETE-I

Tot Ion:152 Resp: 200694
Ion Ratio Lower Upper
152 100
150 159.3 124.3 186.5
115 62.0 49.1 73.7



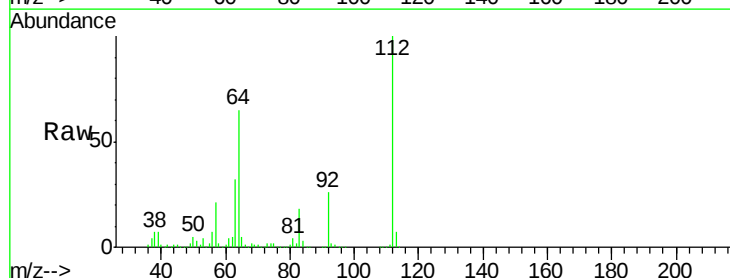
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



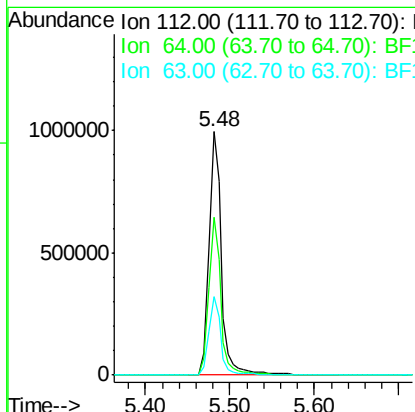
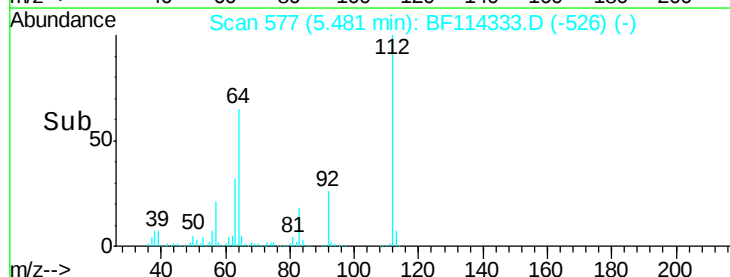
#5

2-Fluorophenol
Concen: 82.961 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114333.D
Acq: 17 May 2019 2:49

Tgt Ion:112 Resp: 1034627
Ion Ratio Lower Upper
112 100
64 64.8 49.0 73.6
63 32.3 24.6 37.0



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: 105.392 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

Instrument :

BNA_F

ClientSampleId :

CONCRETE-I

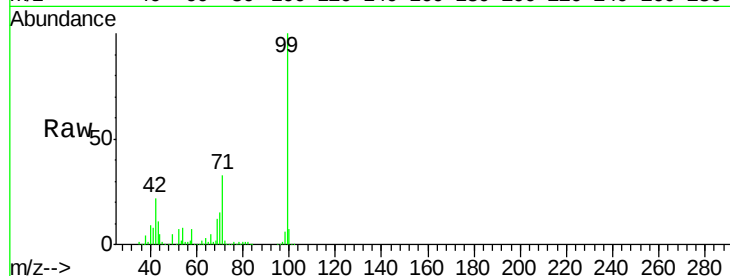
Tot Ion: 99 Resp: 1554544

Ion Ratio Lower Upper

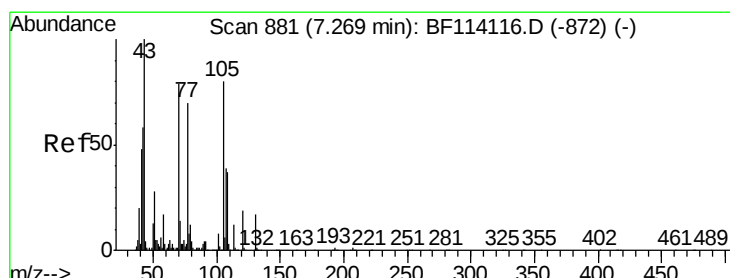
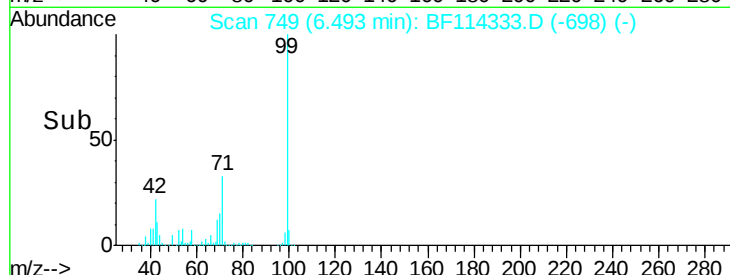
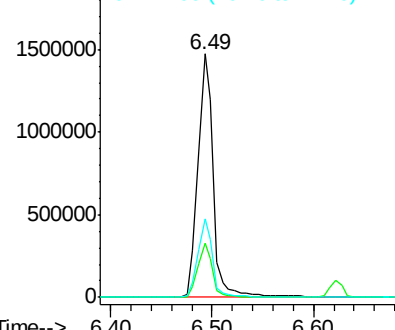
99 100

42 22.2 17.9 26.9

71 32.5 26.2 39.2



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: 13.701 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

Tgt Ion: 70 Resp: 128094

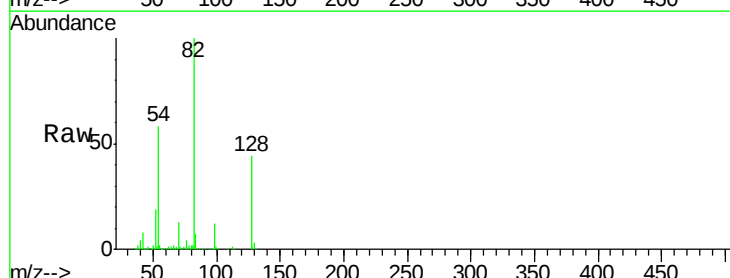
Ion Ratio Lower Upper

70 100

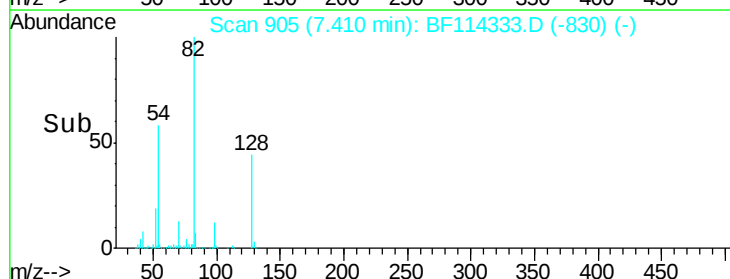
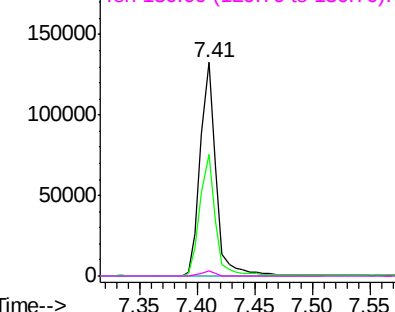
42 57.1 58.6 87.8#

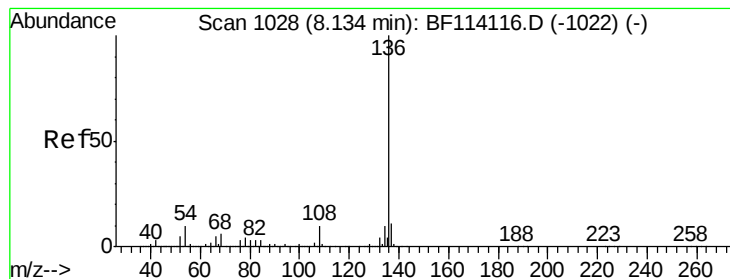
101 0.0 7.8 11.8#

130 2.2 17.1 25.7#



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: BF114333.D

Acq: 17 May 2019 2:49

Instrument :

BNA_F

ClientSampleId :

CONCRETE-I

Tot Ion:136 Resp: 762943

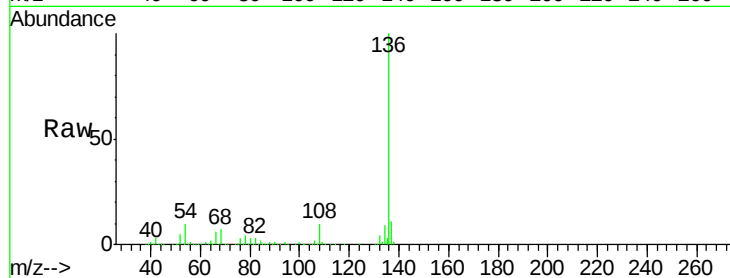
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 10.0 7.8 11.8

68 6.8 5.1 7.7

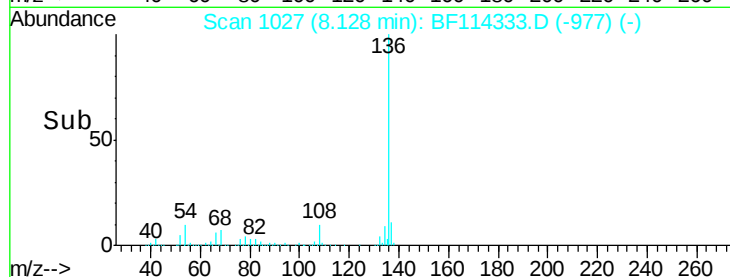


Abundance Ion 136.00 (135.70 to 136.70): E

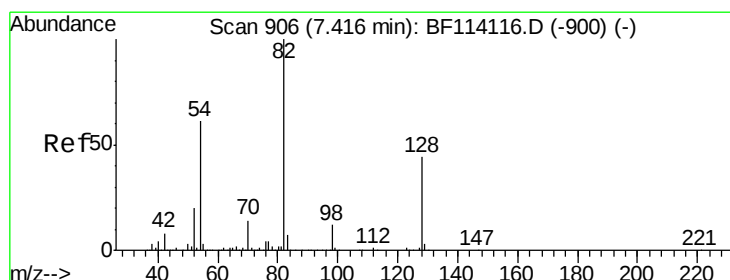
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20 8.30



#23

Nitrobenzene-d5

Concen: 72.927 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

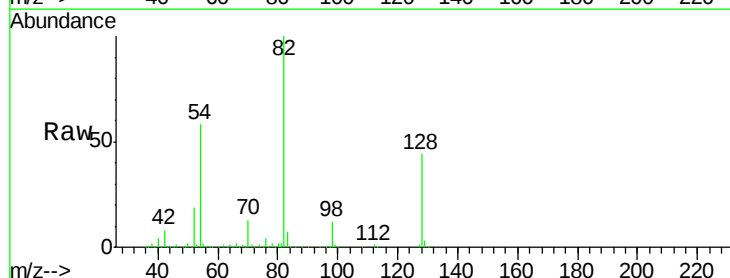
Tgt Ion: 82 Resp: 991428

Ion Ratio Lower Upper

82 100

128 44.4 35.5 53.3

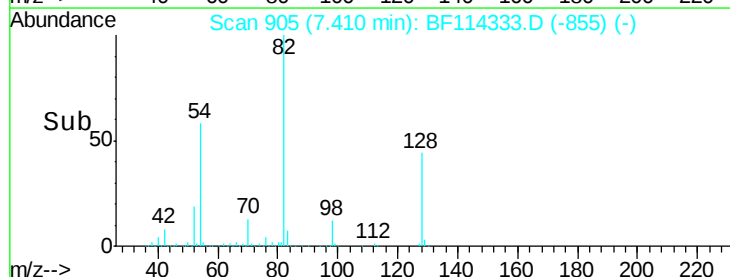
54 58.3 48.5 72.7



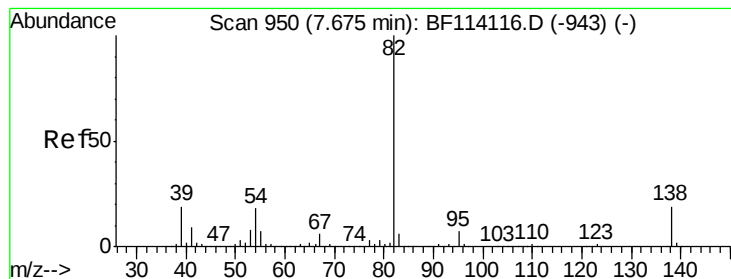
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time--> 7.30 7.40 7.50 7.60 7.70



#25

Isophorone

Concen: 39.322 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

Instrument :

BNA_F

ClientSampleId :

CONCRETE-I

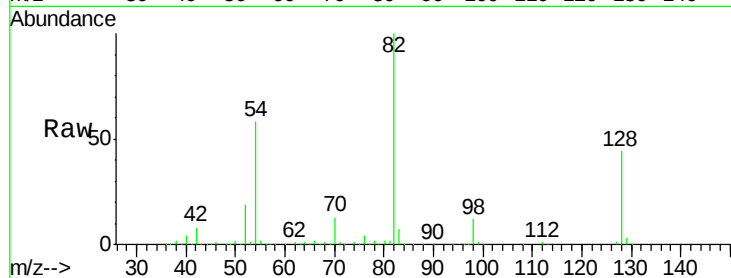
Tot Ion: 82 Resp: 991422

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

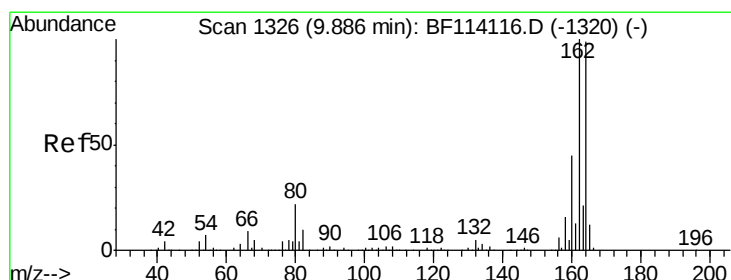
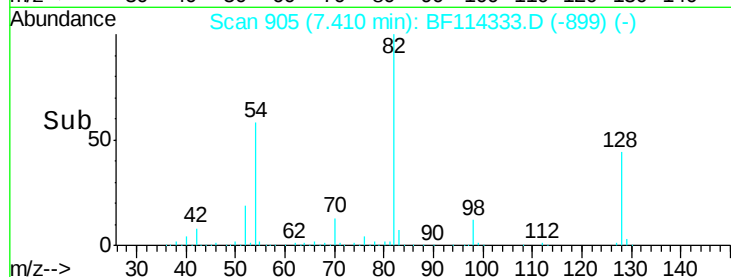
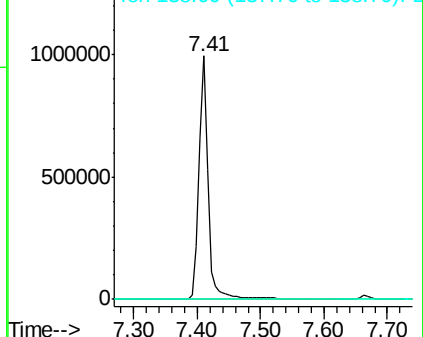
138 0.0 14.8 22.2#



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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

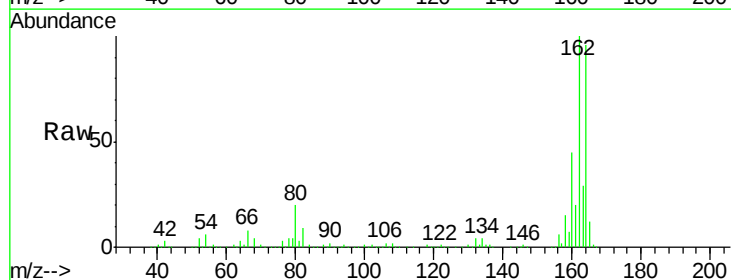
Tgt Ion:164 Resp: 340666

Ion Ratio Lower Upper

164 100

162 104.1 80.6 120.8

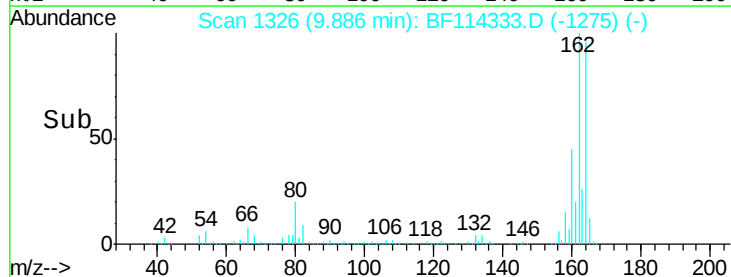
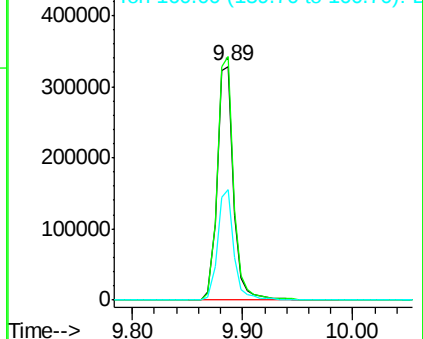
160 47.2 36.5 54.7

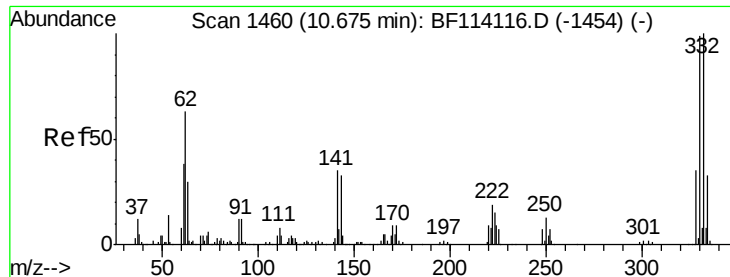


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

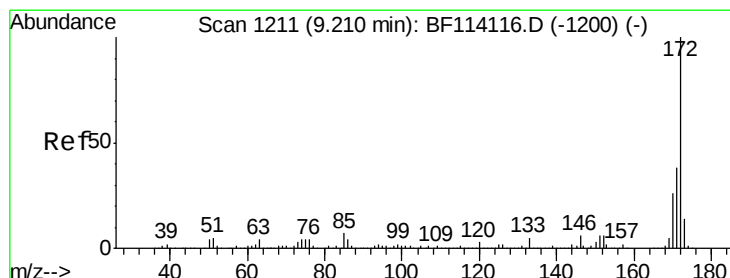
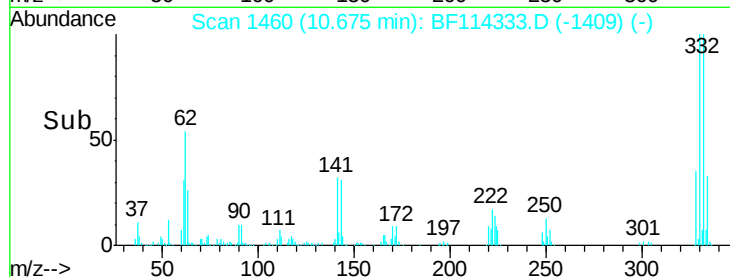
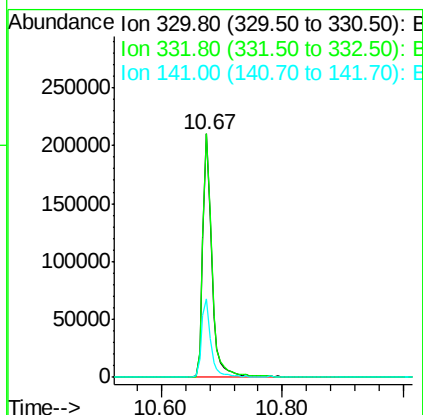
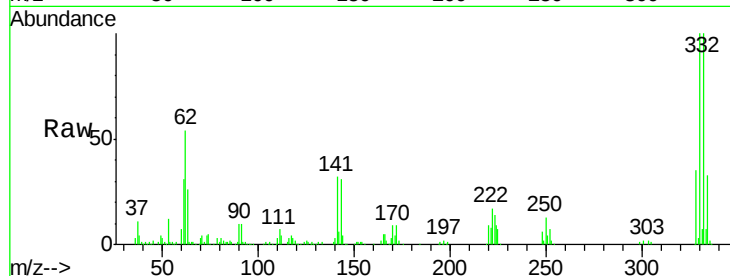




#42
 2,4,6-Tribromophenol
 Concen: 62.868 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF114333.D
 Acq: 17 May 2019 2:49

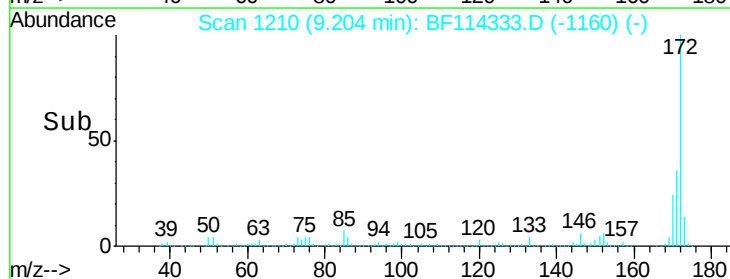
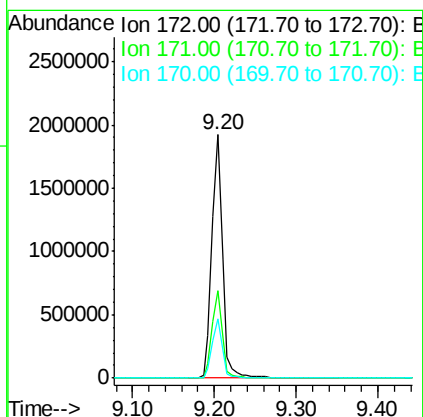
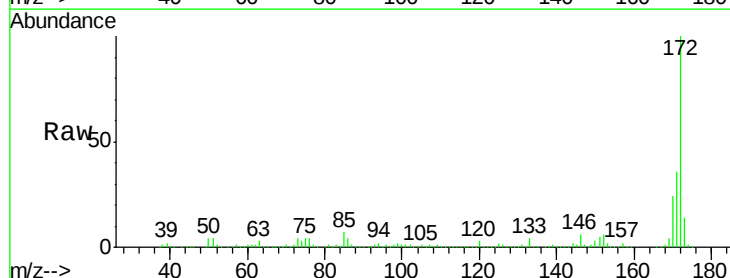
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-I

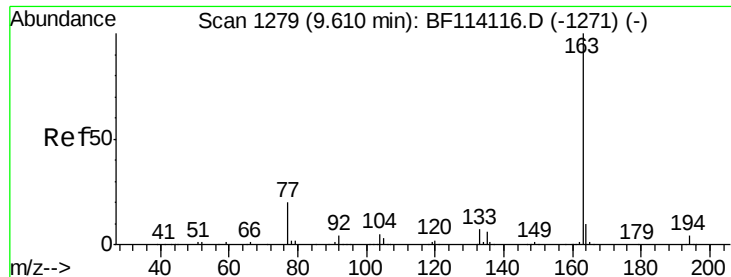
Tot Ion:330 Resp: 221417
 Ion Ratio Lower Upper
 330 100
 332 100.7 81.4 122.2
 141 33.1 26.6 40.0



#45
 2-Fluorobiphenyl
 Concen: 77.553 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114333.D
 Acq: 17 May 2019 2:49

Tgt Ion:172 Resp: 1746575
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.7 46.1
 170 24.3 20.5 30.7





#50

Dimethylphthalate

Concen: 4.966 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

Instrument :

BNA_F

ClientSampleId :

CONCRETE-I

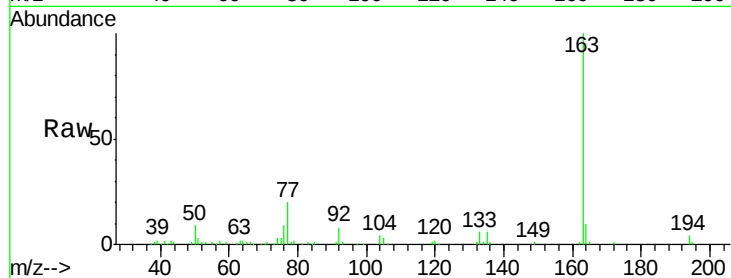
Tot Ion:163 Resp: 124192

Ion Ratio Lower Upper

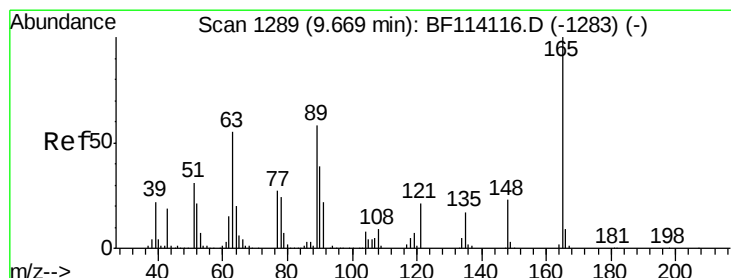
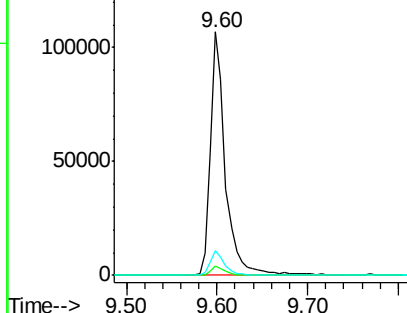
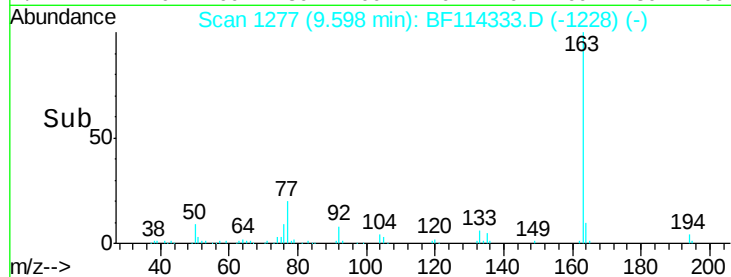
163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2



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: 7.972 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF114333.D

Acq: 17 May 2019 2:49

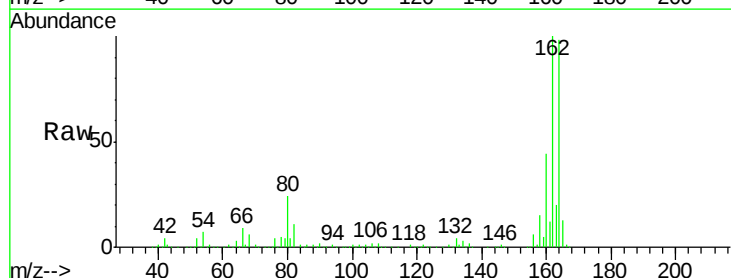
Tgt Ion:165 Resp: 44221

Ion Ratio Lower Upper

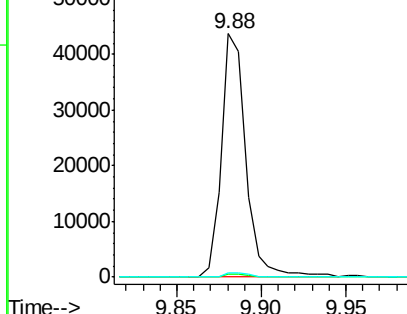
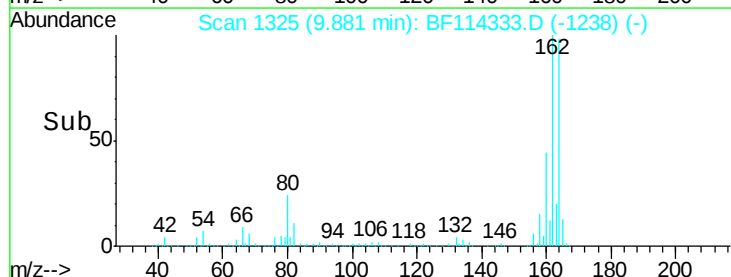
165 100

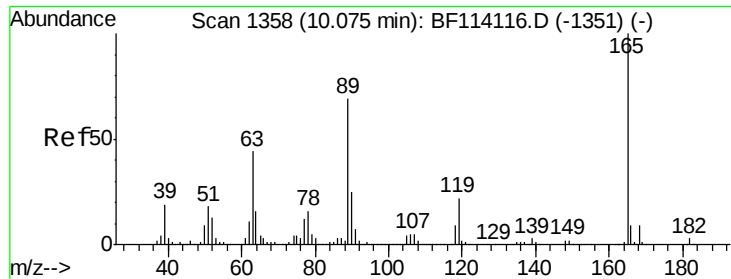
63 1.3 50.2 75.4#

89 1.9 46.6 69.8#



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

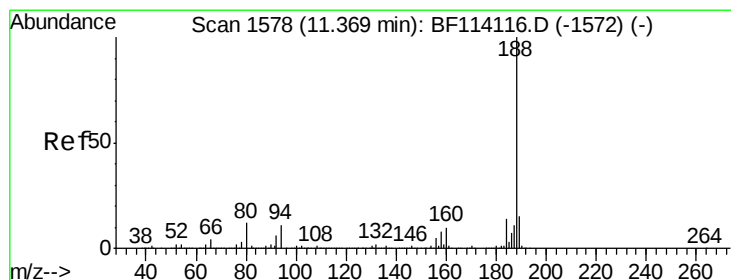
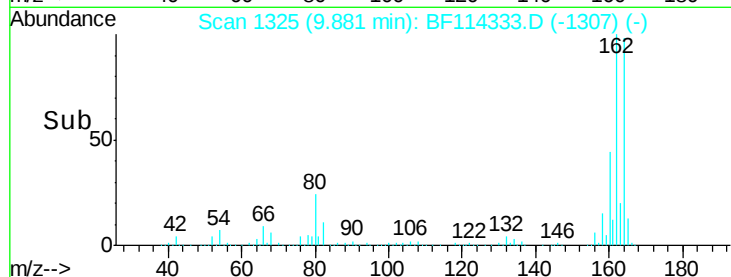
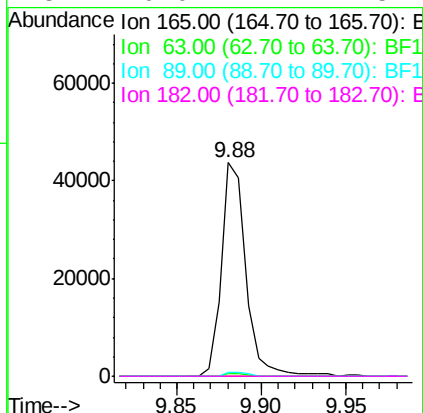
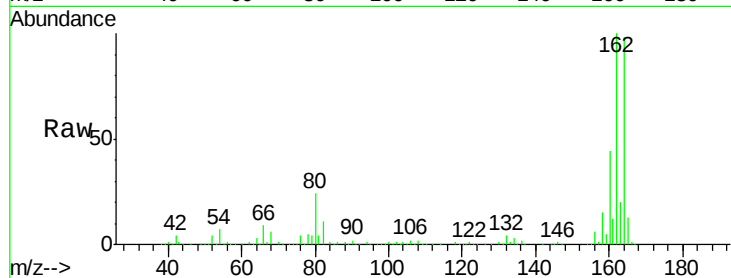




#57
 2,4-Dinitrotoluene
 Concen: 5.874 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF114333.D
 Acq: 17 May 2019 2:49

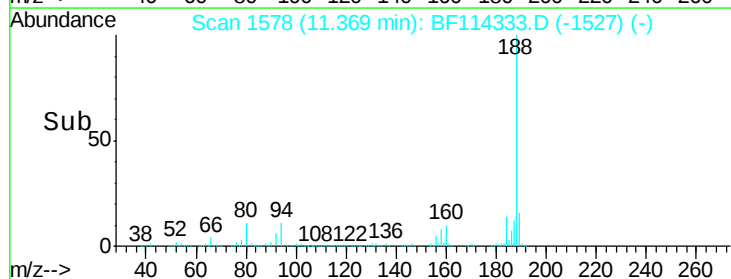
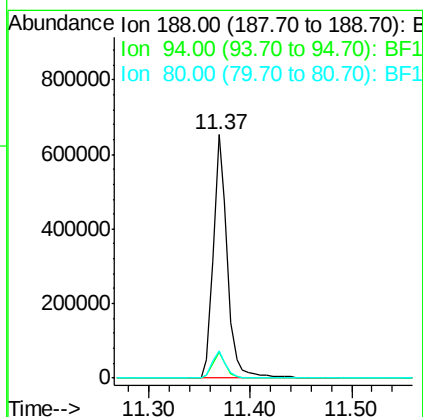
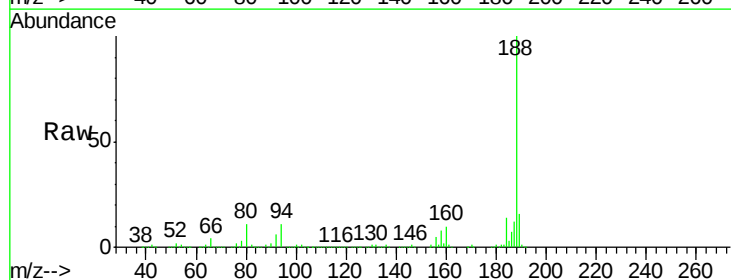
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-I

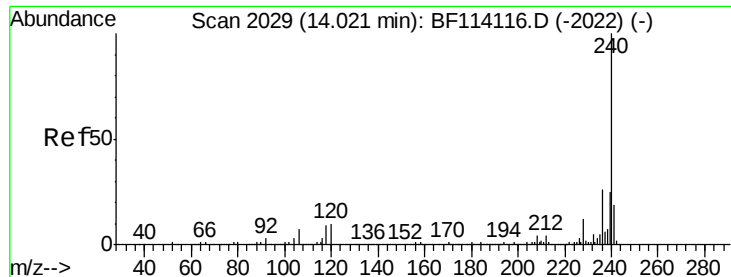
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.5	53.3#
89	1.9	55.2	82.8#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF114333.D
 Acq: 17 May 2019 2:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.4	12.6
80	11.2	9.2	13.8

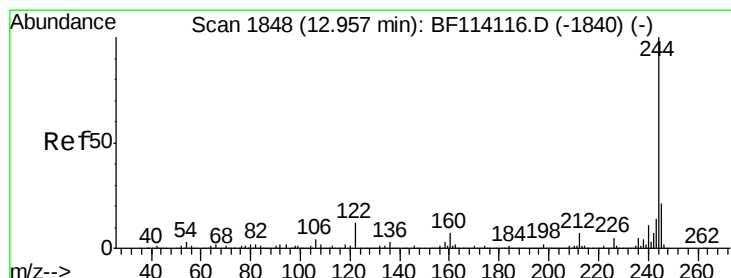
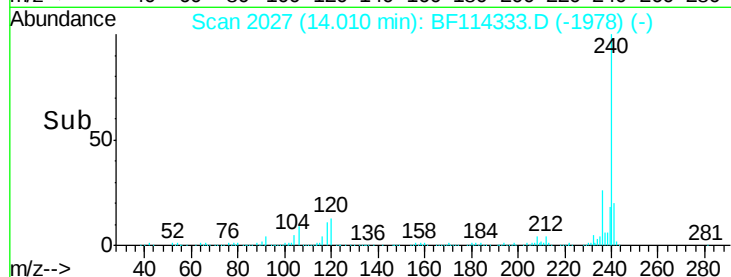
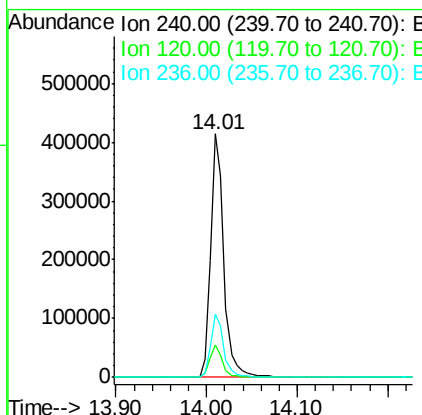
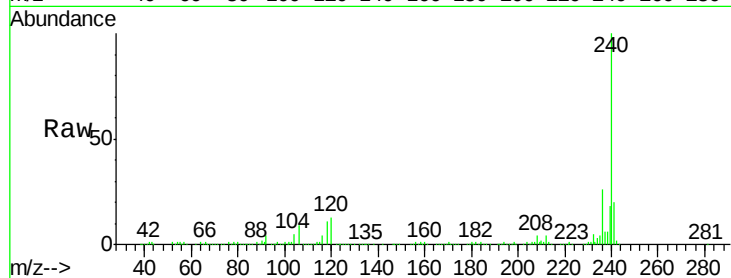




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114333.D
Acq: 17 May 2019 2:49

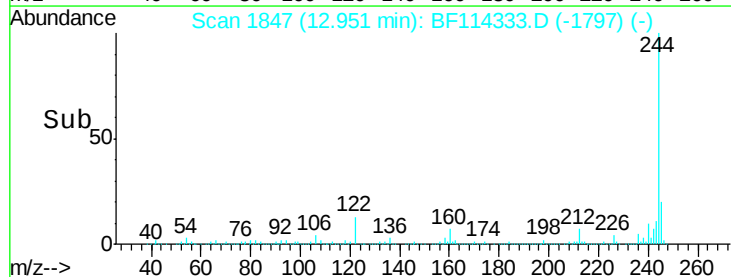
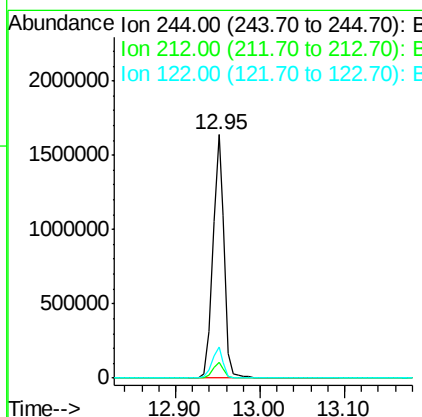
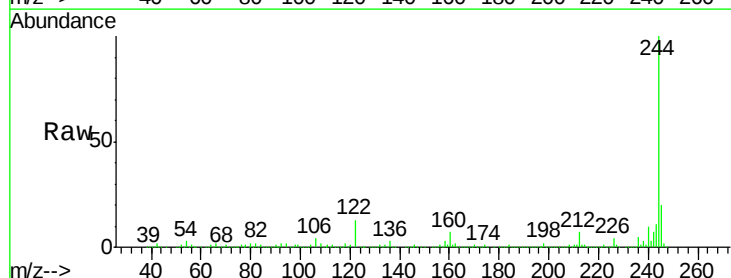
Instrument :
BNA_F
ClientSampleId :
CONCRETE-I

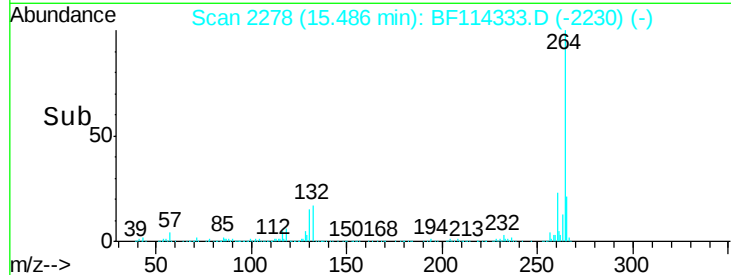
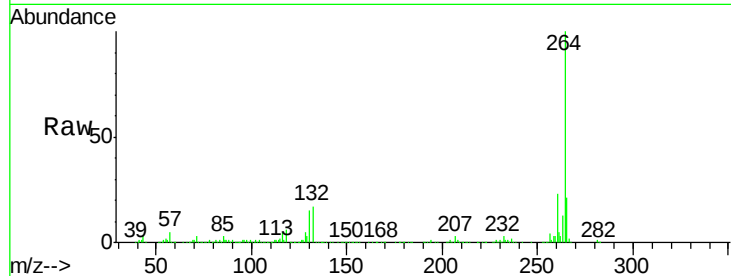
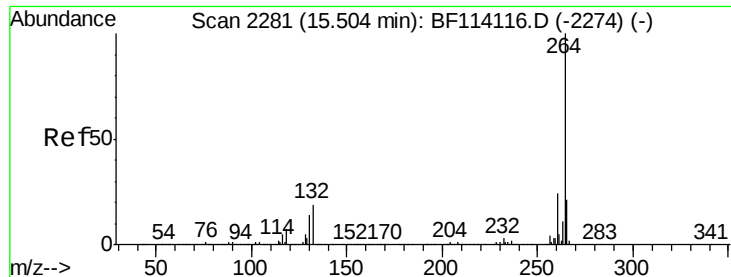
Tot Ion:240 Resp: 425828
Ion Ratio Lower Upper
240 100
120 13.5 8.3 12.5#
236 25.9 20.8 31.2



#79
Terphenyl-d14
Concen: 75.298 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114333.D
Acq: 17 May 2019 2:49

Tgt Ion:244 Resp: 1555426
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 12.7 9.4 14.2





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114333.D
Acq: 17 May 2019 2:49

Instrument :
BNA_F
ClientSampleId :
CONCRETE-I

Tot Ion:	264	Resp:	490604
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.4	29.0
265	21.2	16.9	25.3

