

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114329.D
 Acq On : 17 May 2019 1:04
 Operator : JU/SJ
 Sample : K2867-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-E

Quant Time: May 17 08:00:28 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

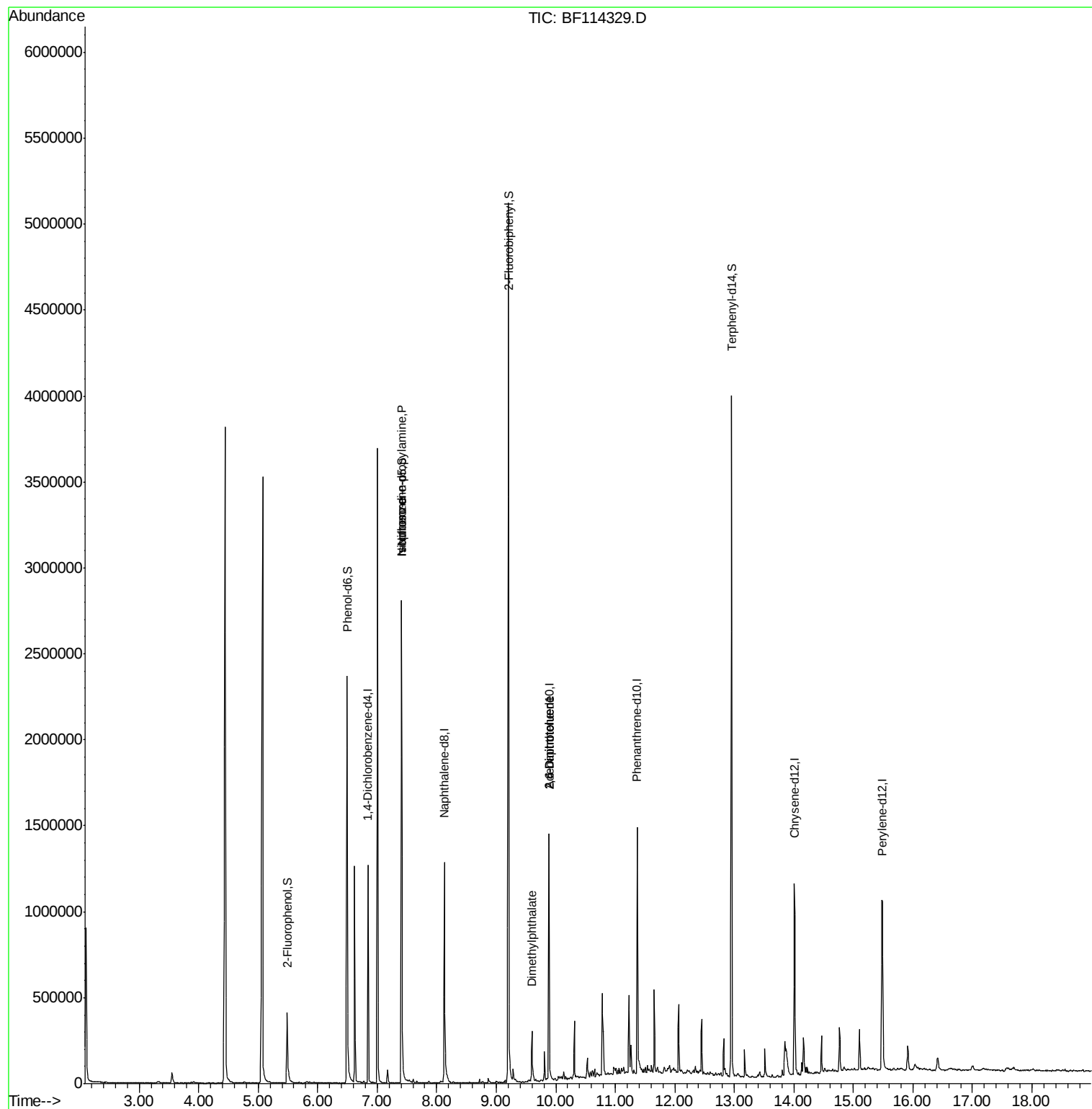
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	185983	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	702065	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	317415	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	570689	20.00	ng	0.00
76) Chrysene-d12	14.01	240	397608	20.00	ng	-0.01
87) Perylene-d12	15.49	264	460260	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	157368	13.62	ng	0.00
7) Phenol-d6	6.49	99	897886	65.69	ng	0.00
23) Nitrobenzene-d5	7.41	82	897926	71.78	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	2278	0.69	ng	0.01
45) 2-Fluorobiphenyl	9.20	172	1594708	76.00	ng	0.00
79) Terphenyl-d14	12.95	244	1345289	69.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	117193	13.526	ng	# 76
25) Isophorone	7.41	82	897918	38.701	ng	# 64
50) Dimethylphthalate	9.60	163	135041	5.795	ng	98
51) 2,6-Dinitrotoluene	9.88	165	39965	7.733	ng	# 22
57) 2,4-Dinitrotoluene	9.88	165	40079	5.714	ng	# 25

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

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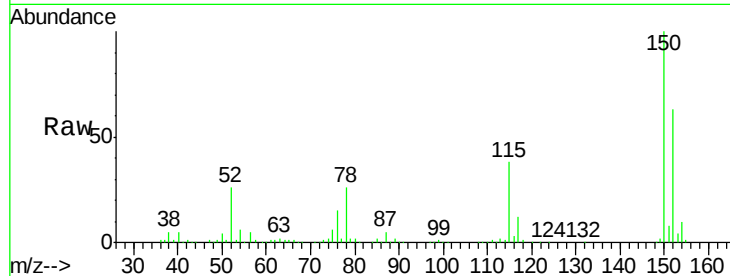


#1

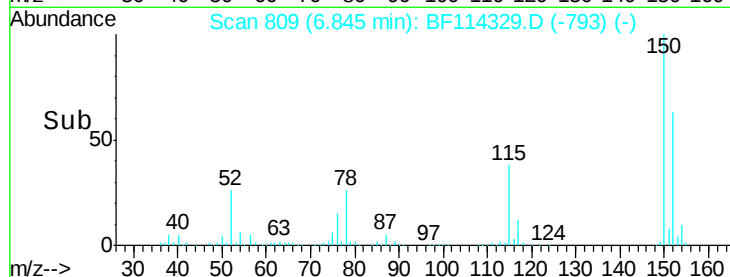
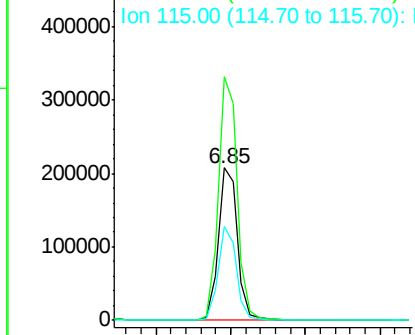
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114329.D
Acq: 17 May 2019 1:04

Instrument :
BNA_F
ClientSampleId :
CONCRETE-E

Tot Ion:152 Resp: 185983
Ion Ratio Lower Upper
152 100
150 159.8 124.3 186.5
115 61.4 49.1 73.7



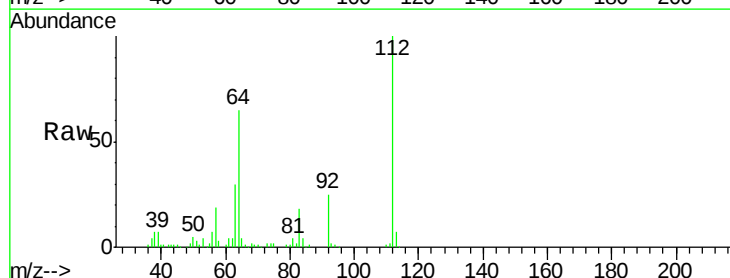
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



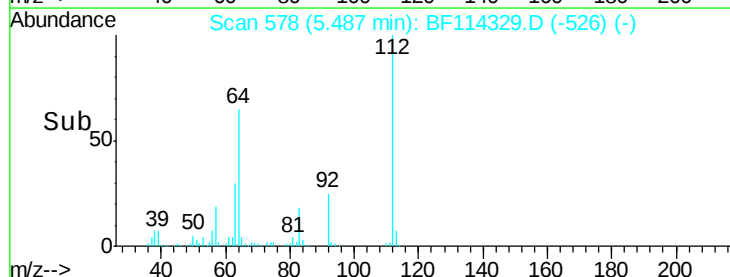
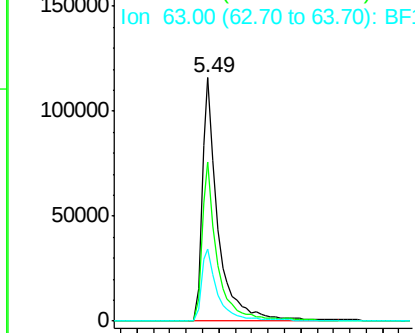
#5

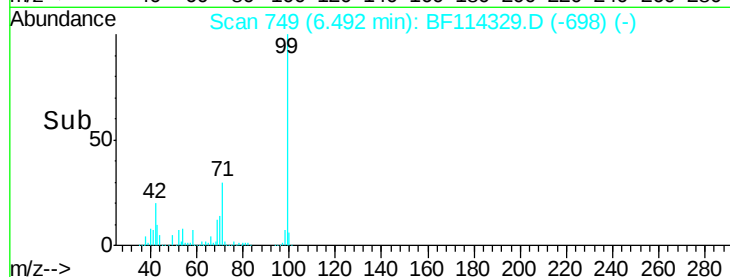
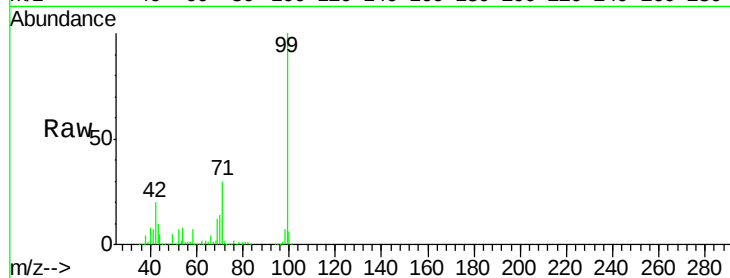
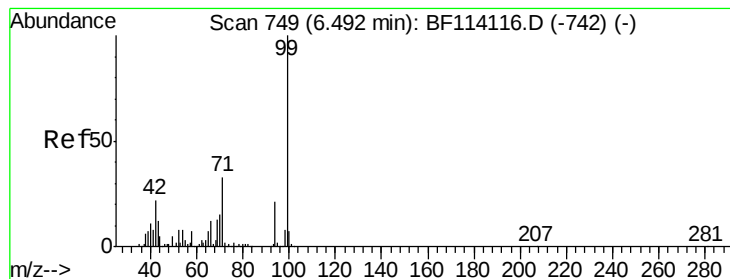
2-Fluorophenol
Concen: 13.617 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114329.D
Acq: 17 May 2019 1:04

Tgt Ion:112 Resp: 157368
Ion Ratio Lower Upper
112 100
64 65.4 49.0 73.6
63 29.6 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: 65.688 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-E

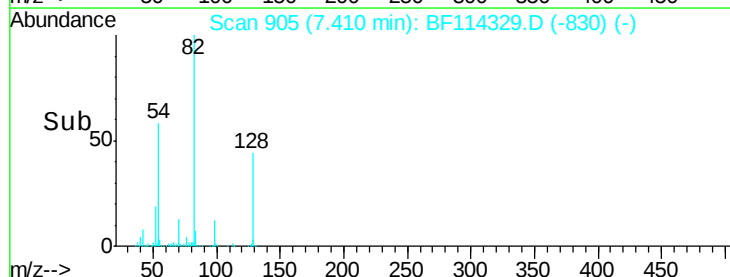
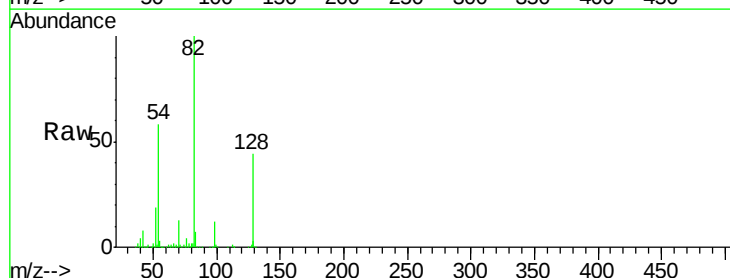
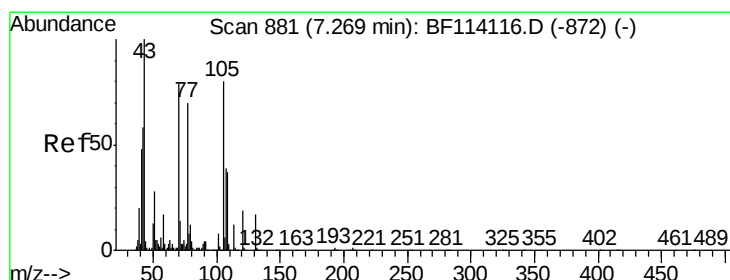
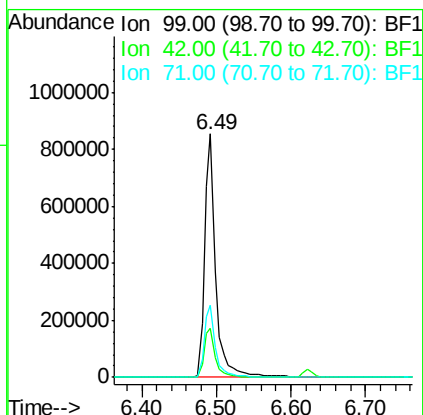
Tot Ion: 99 Resp: 897886

Ion Ratio Lower Upper

99 100

42 20.4 17.9 26.9

71 29.7 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.526 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

Tgt Ion: 70 Resp: 117193

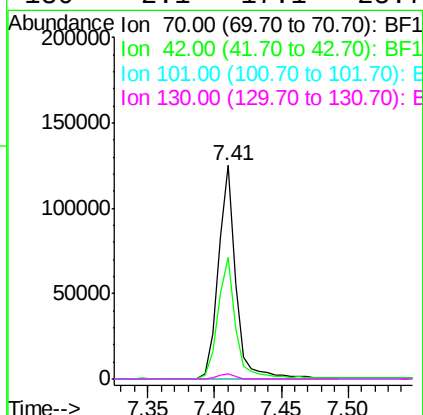
Ion Ratio Lower Upper

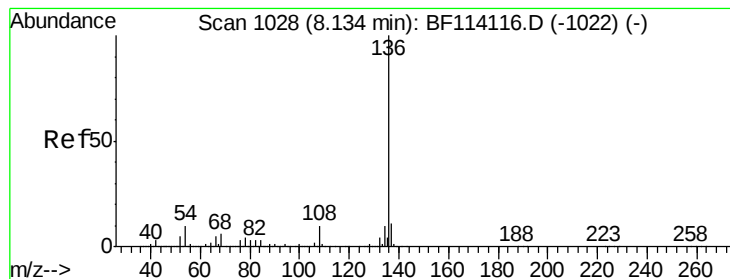
70 100

42 57.0 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-E

Tot Ion:136 Resp: 702065

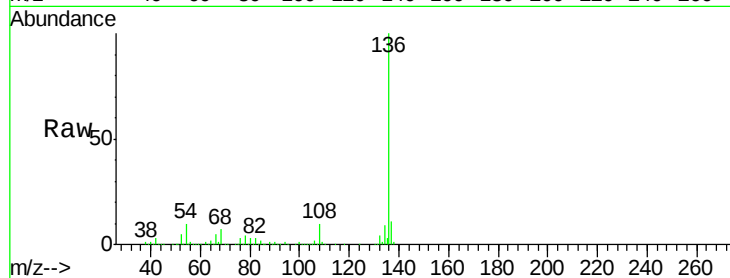
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.9 7.8 11.8

68 6.6 5.1 7.7

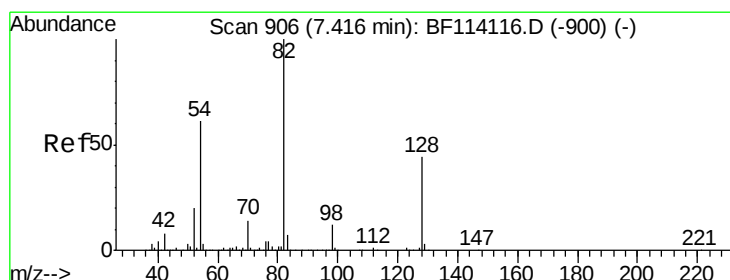
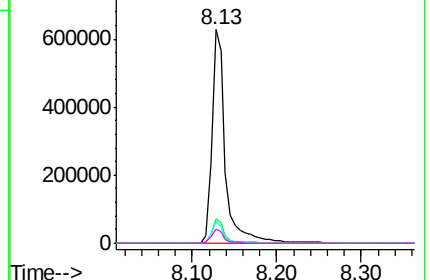
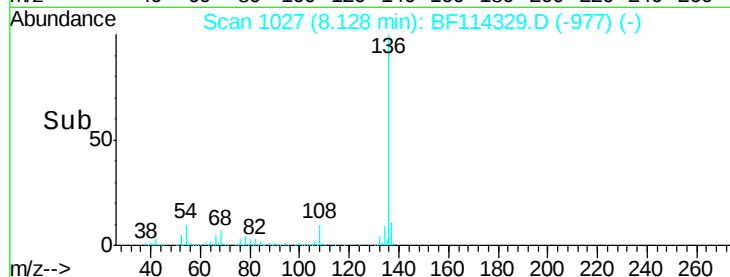


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 71.776 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

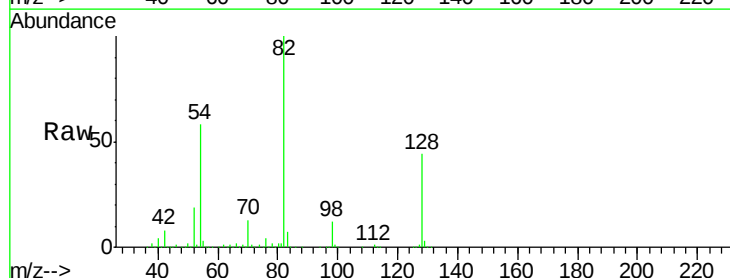
Tgt Ion: 82 Resp: 897926

Ion Ratio Lower Upper

82 100

128 44.4 35.5 53.3

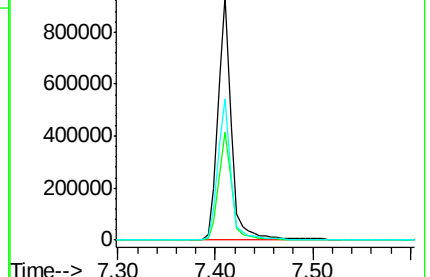
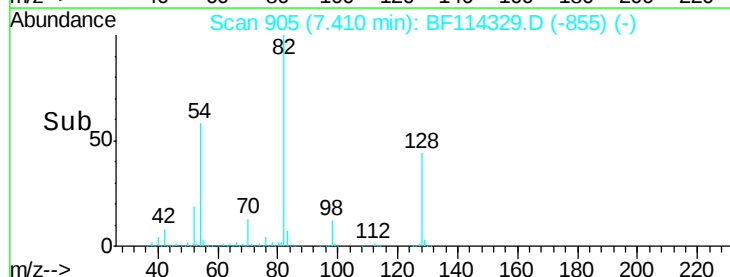
54 58.1 48.5 72.7

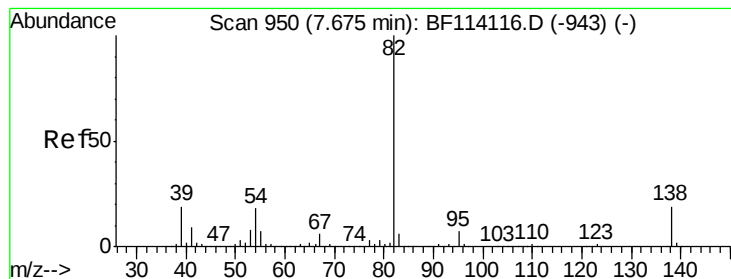


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.701 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-E

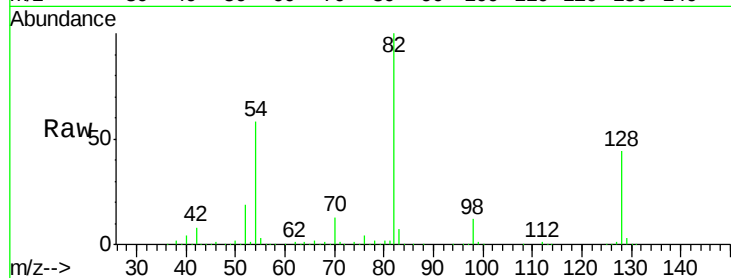
Tot Ion: 82 Resp: 897918

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

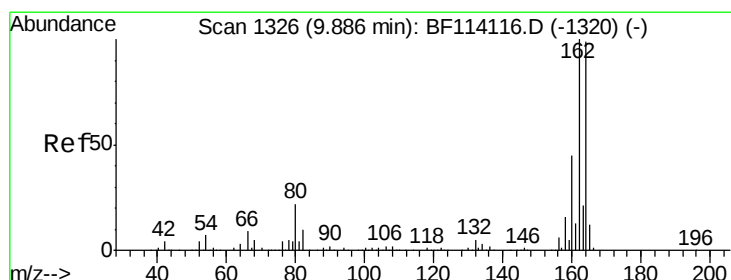
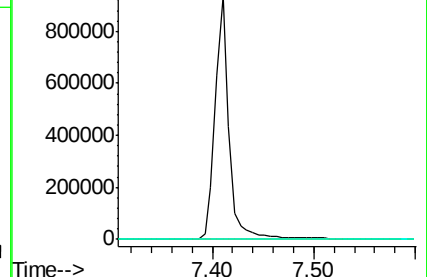
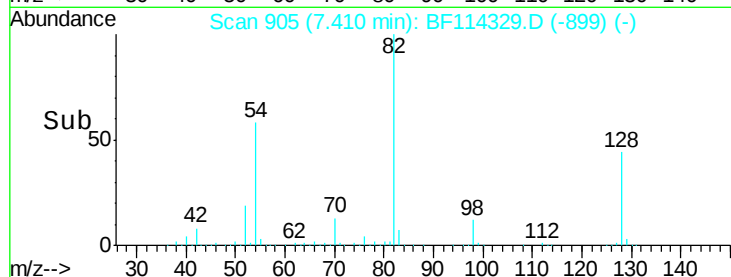
138 0.0 14.8 22.2#



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: BF114329.D

Acq: 17 May 2019 1:04

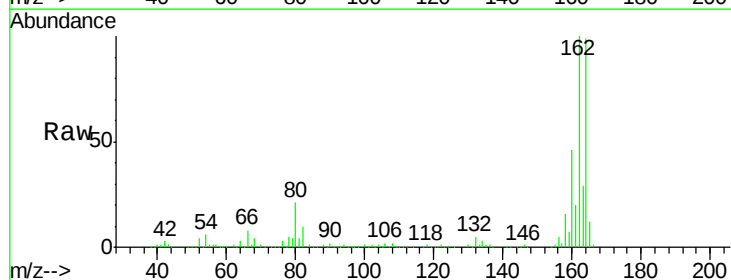
Tgt Ion:164 Resp: 317415

Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

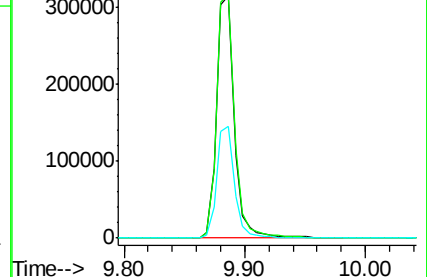
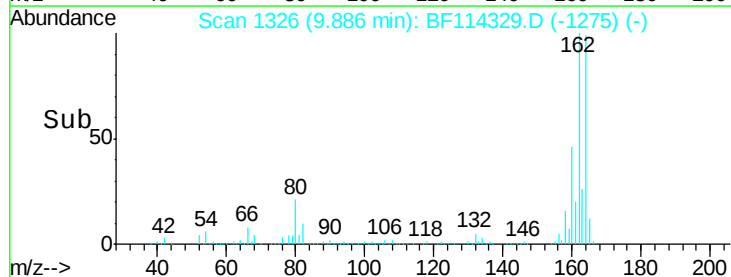
160 46.1 36.5 54.7

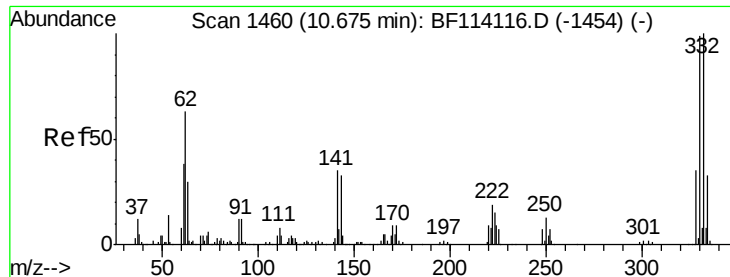


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

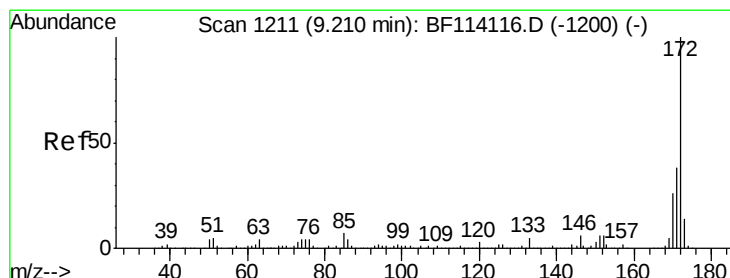
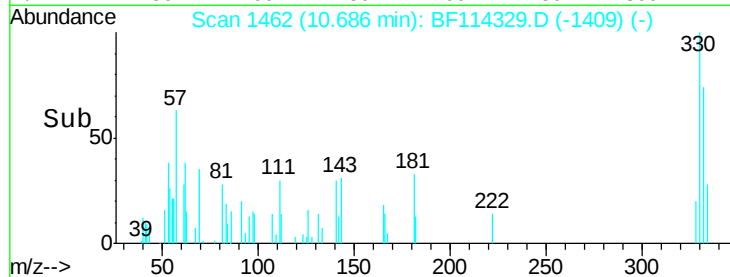
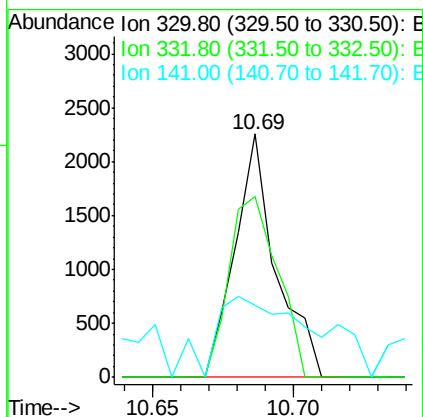
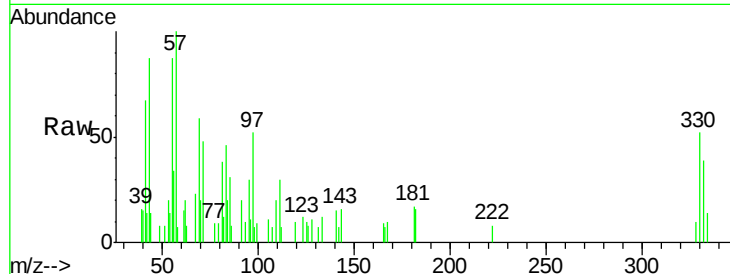




#42
 2,4,6-Tribromophenol
 Concen: 0.694 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF114329.D
 Acq: 17 May 2019 1:04

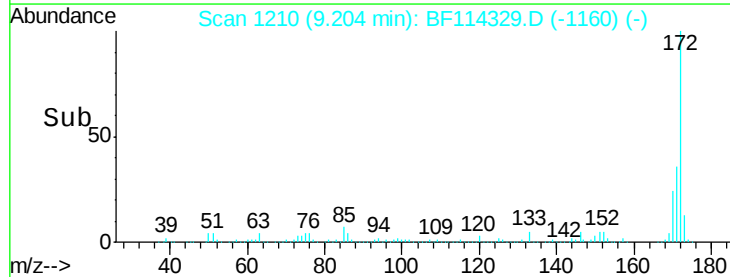
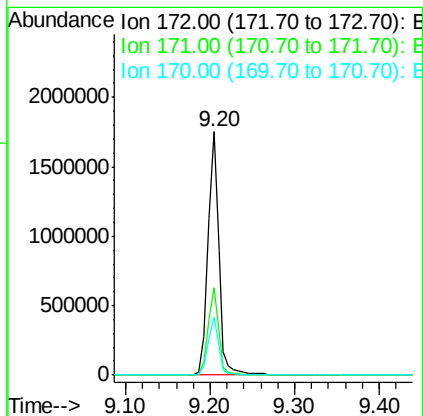
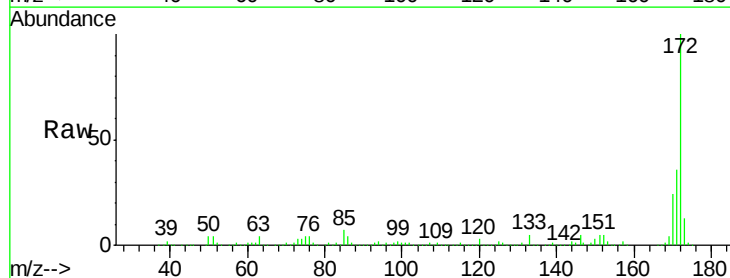
Instrument :
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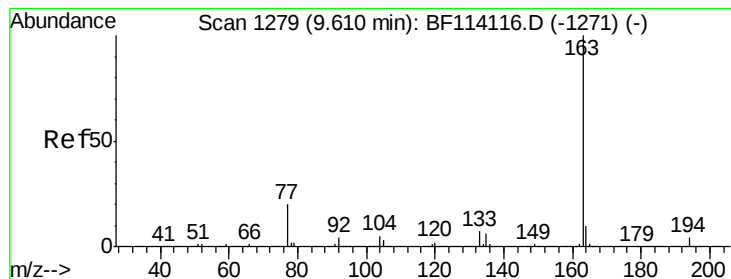
Tot Ion:330 Resp: 2278
 Ion Ratio Lower Upper
 330 100
 332 87.7 81.4 122.2
 141 82.5 26.6 40.0#



#45
 2-Fluorobiphenyl
 Concen: 75.997 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114329.D
 Acq: 17 May 2019 1:04

Tgt Ion:172 Resp: 1594708
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.7 46.1
 170 23.9 20.5 30.7





#50

Dimethylphthalate

Concen: 5.795 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-E

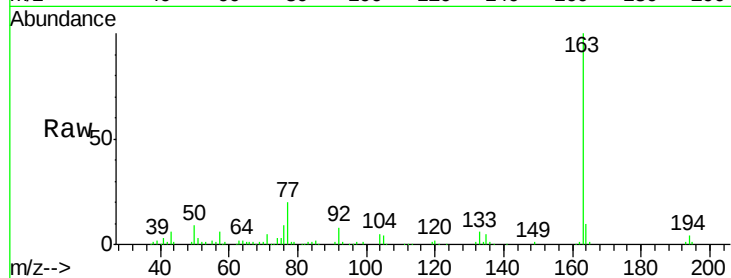
Tot Ion:163 Resp: 135041

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

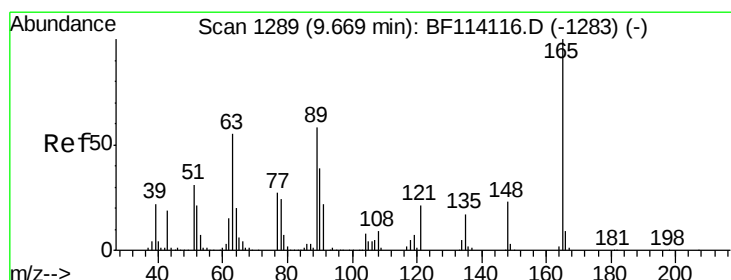
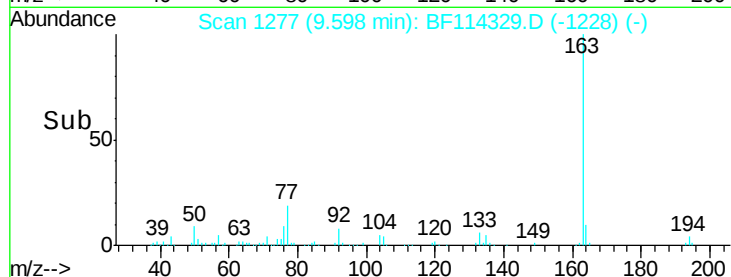
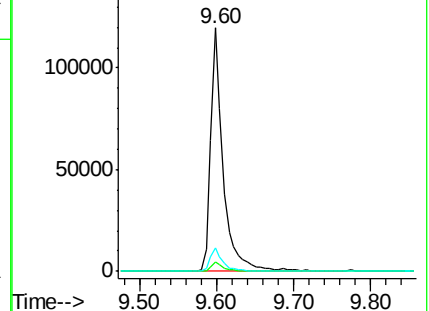
164 9.5 8.2 12.2



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: 7.733 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

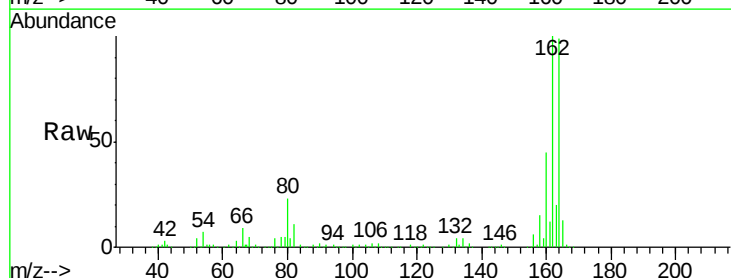
Tgt Ion:165 Resp: 39965

Ion Ratio Lower Upper

165 100

63 1.8 50.2 75.4#

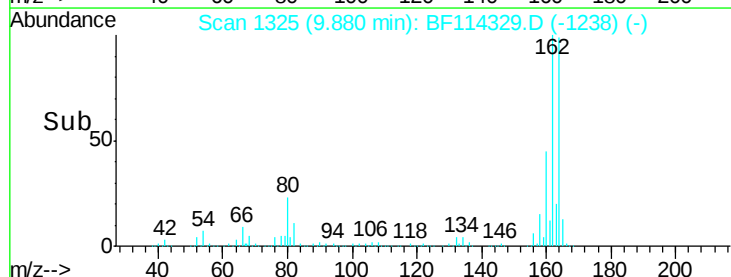
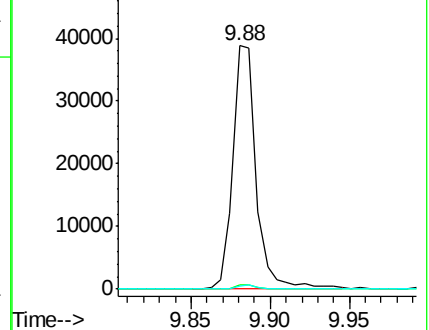
89 1.4 46.6 69.8#

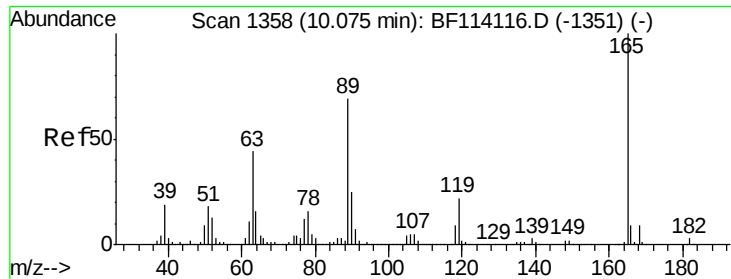


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

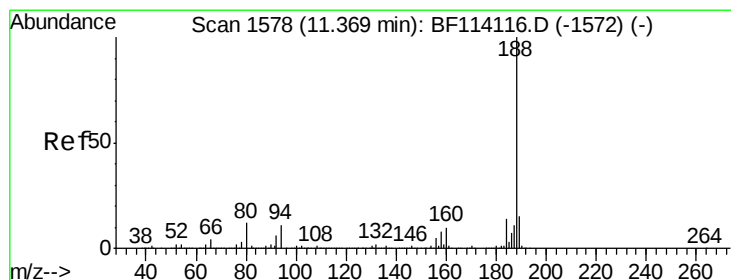
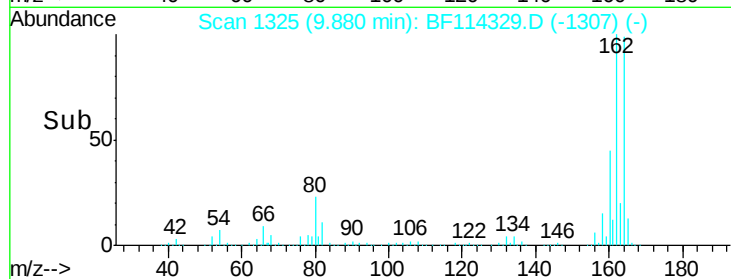
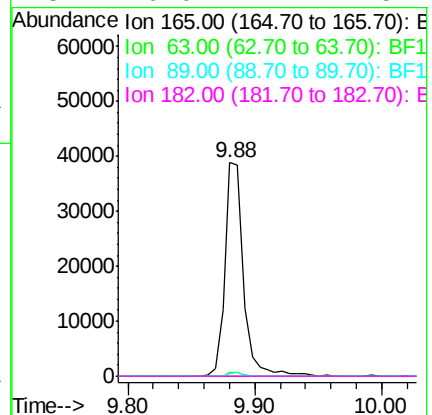
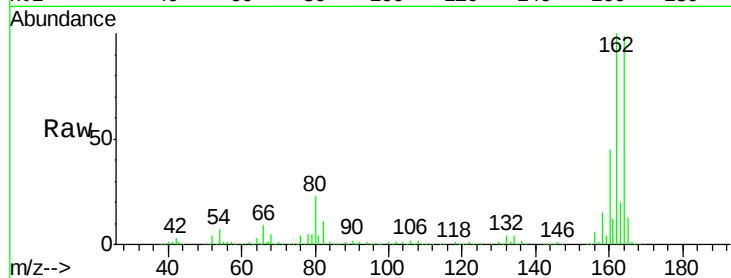




#57
 2,4-Dinitrotoluene
 Concen: 5.714 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF114329.D
 Acq: 17 May 2019 1:04

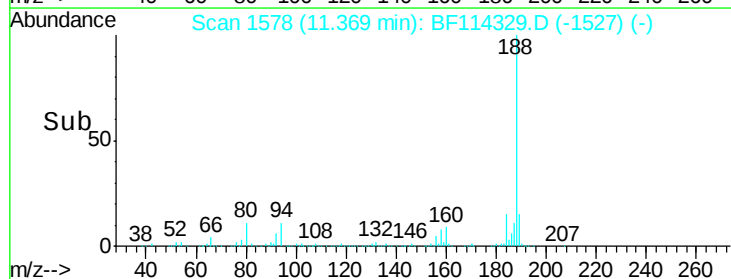
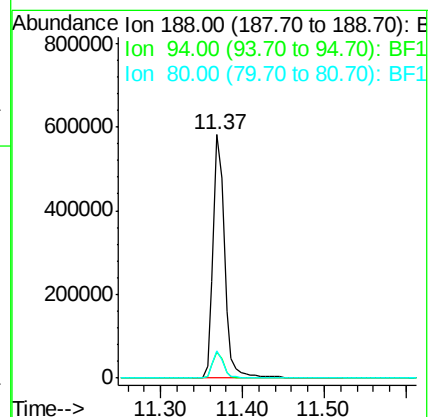
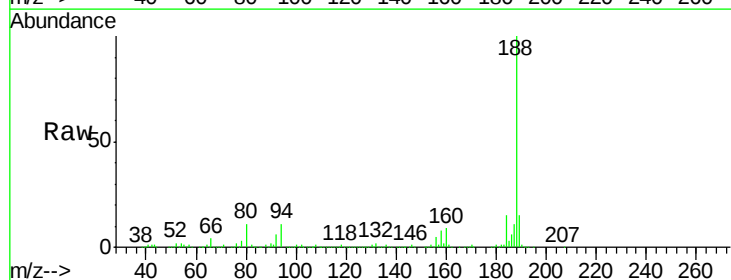
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-E

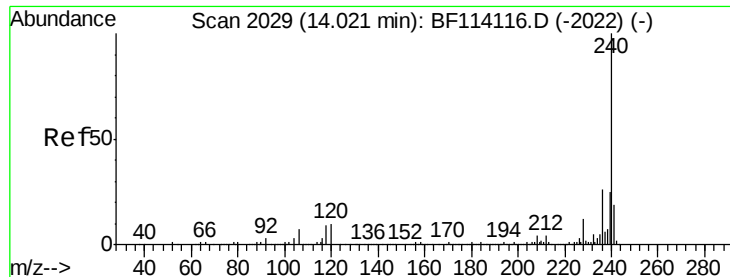
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	35.5	53.3#
89	1.4	55.2	82.8#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF114329.D
 Acq: 17 May 2019 1:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.4	12.6
80	11.0	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: BF114329.D

Acq: 17 May 2019 1:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-E

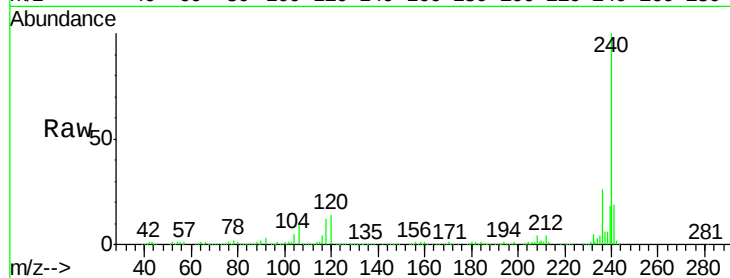
Tot Ion:240 Resp: 397608

Ion Ratio Lower Upper

240 100

120 13.7 8.3 12.5#

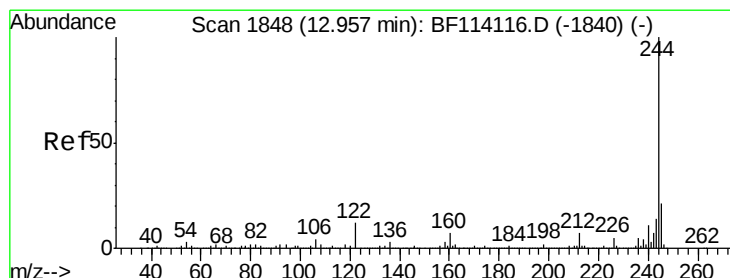
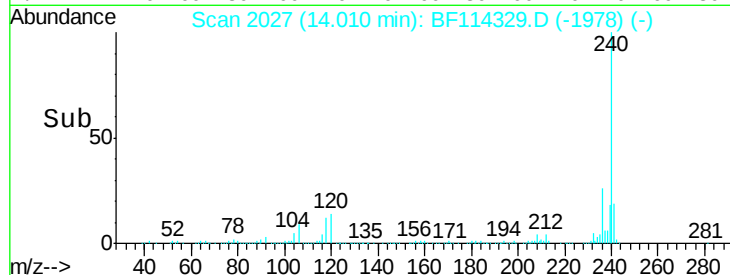
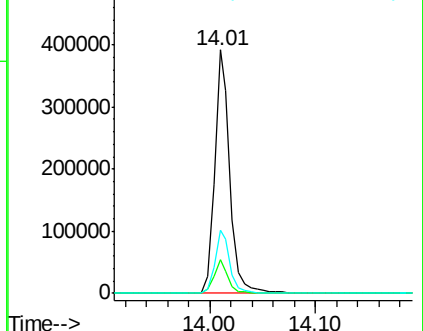
236 26.1 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 69.748 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114329.D

Acq: 17 May 2019 1:04

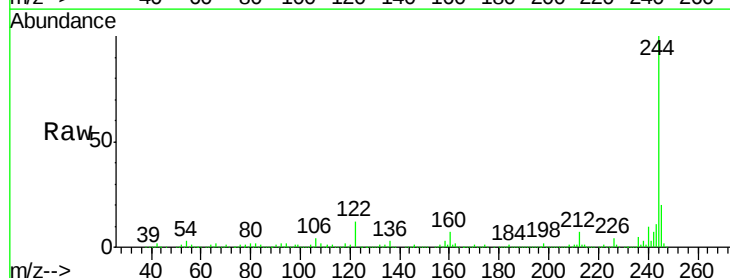
Tgt Ion:244 Resp: 1345289

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

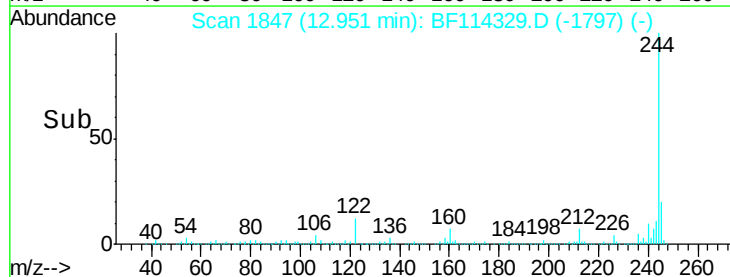
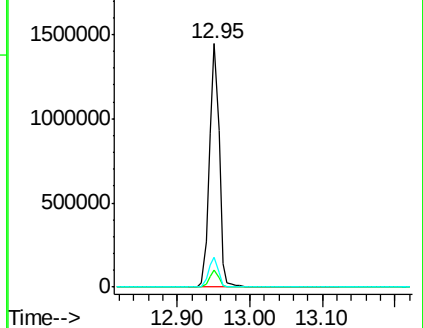
122 12.4 9.4 14.2

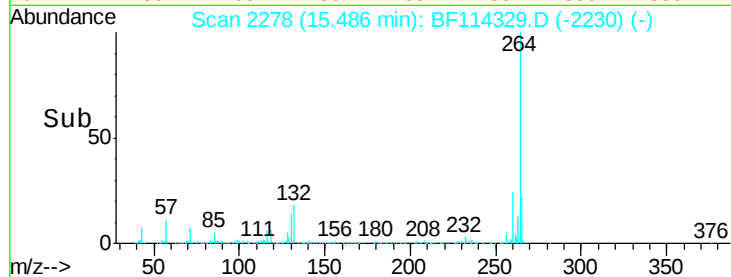
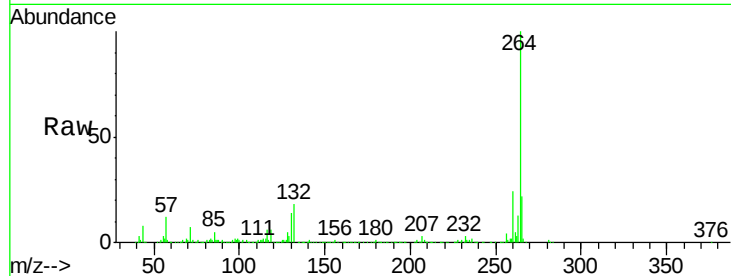
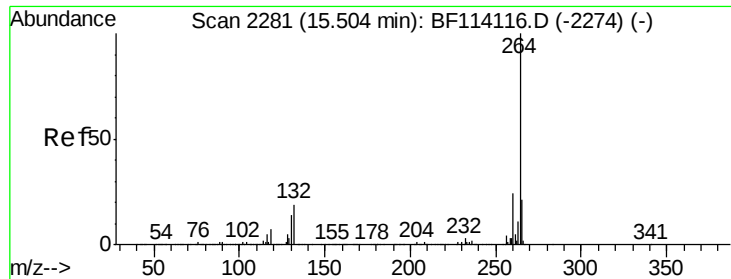


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114329.D
Acq: 17 May 2019 1:04

Instrument :
BNA_F
ClientSampleId :
CONCRETE-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.8	16.9	25.3

