

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114335.D
 Acq On : 17 May 2019 3:41
 Operator : JU/SJ
 Sample : K2867-21
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-K

Quant Time: May 17 08:01:49 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

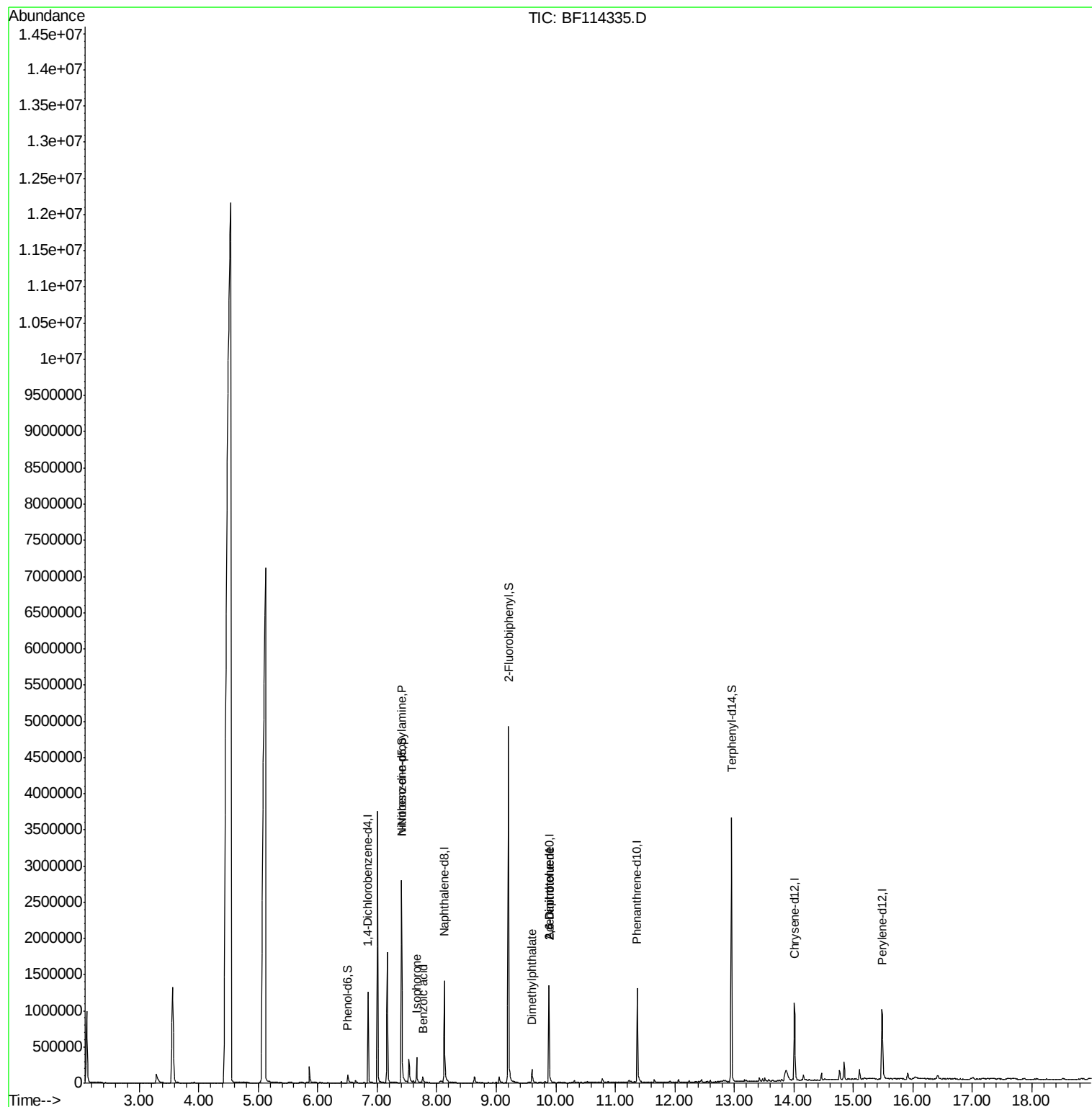
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	193789	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	718946	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	316139	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	561455	20.00	ng	0.00
76) Chrysene-d12	14.01	240	406971	20.00	ng	-0.01
87) Perylene-d12	15.48	264	477105	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	7366	0.61	ng	0.04
7) Phenol-d6	6.50	99	58887	4.13	ng	0.01
23) Nitrobenzene-d5	7.41	82	872932	68.14	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.20	172	1562351	74.76	ng	0.00
79) Terphenyl-d14	12.95	244	1255682	63.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	113295	12.550	ng	Qvalue # 75
25) Isophorone	7.66	82	146790	6.178	ng	99
32) Benzoic acid	7.77	122	116	7.035	ng	# 17
50) Dimethylphthalate	9.60	163	111883	4.821	ng	99
51) 2,6-Dinitrotoluene	9.88	165	39308	7.636	ng	# 22
57) 2,4-Dinitrotoluene	9.88	165	39424	5.643	ng	# 25

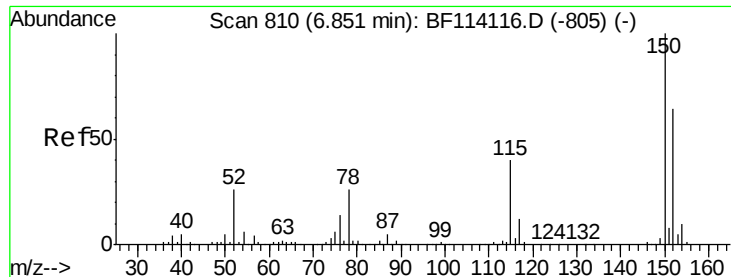
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF114335.D

Acq: 17 May 2019 3:41

Instrument :

BNA_F

ClientSampleId :

CONCRETE-K

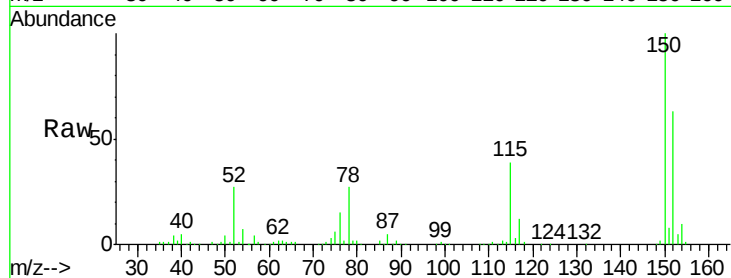
Tot Ion:152 Resp: 193789

Ion Ratio Lower Upper

152 100

150 157.6 124.3 186.5

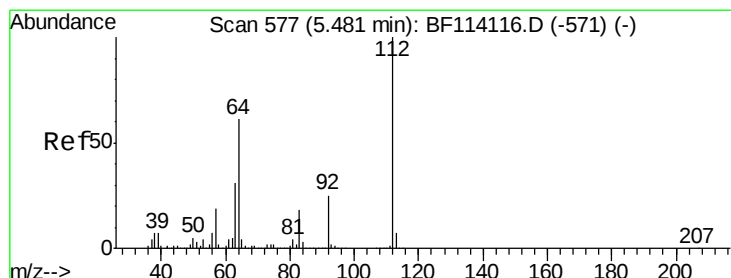
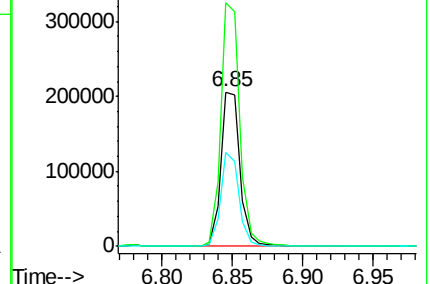
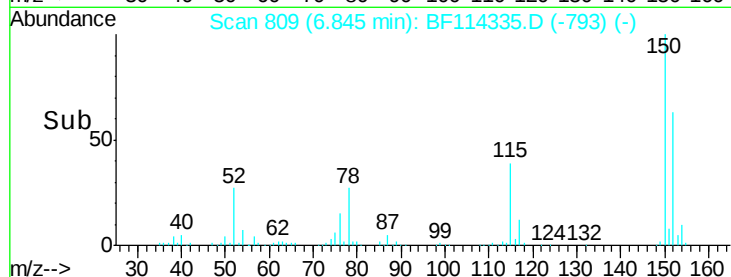
115 61.0 49.1 73.7



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: 0.612 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.04 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

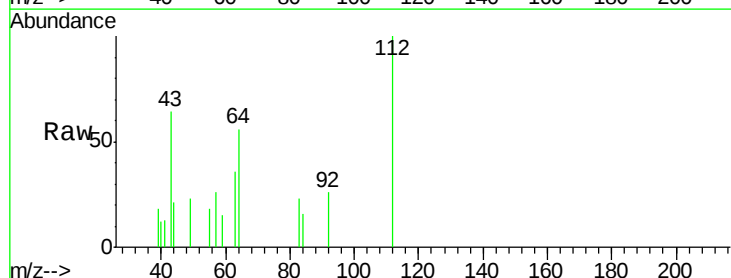
Tgt Ion:112 Resp: 7366

Ion Ratio Lower Upper

112 100

64 55.9 49.0 73.6

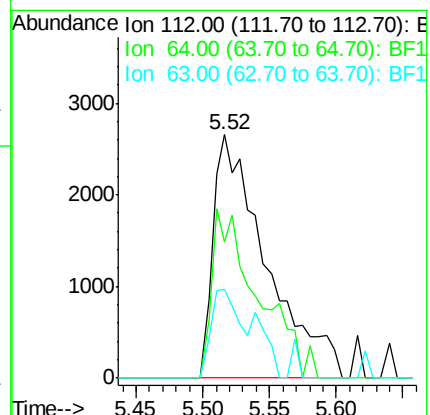
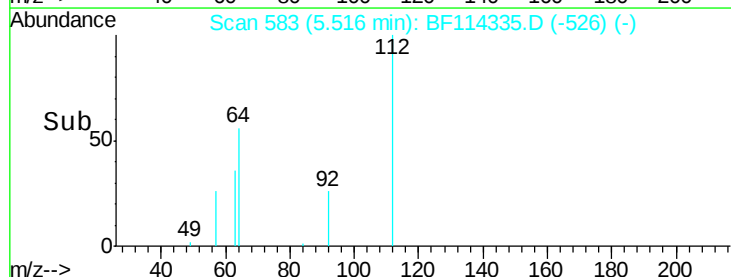
63 36.5 24.6 37.0

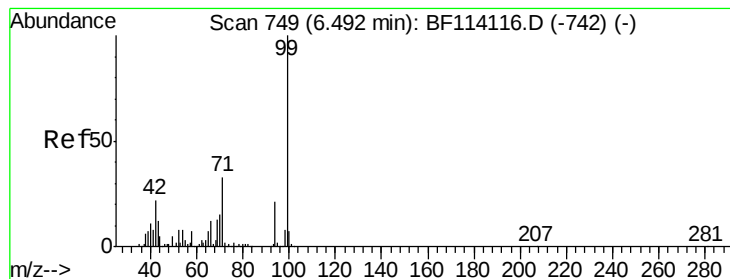


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 4.135 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Instrument :

BNA_F

ClientSampleId :

CONCRETE-K

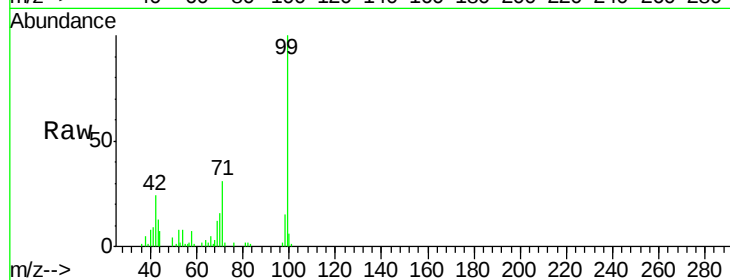
Tot Ion: 99 Resp: 58887

Ion Ratio Lower Upper

99 100

42 23.9 17.9 26.9

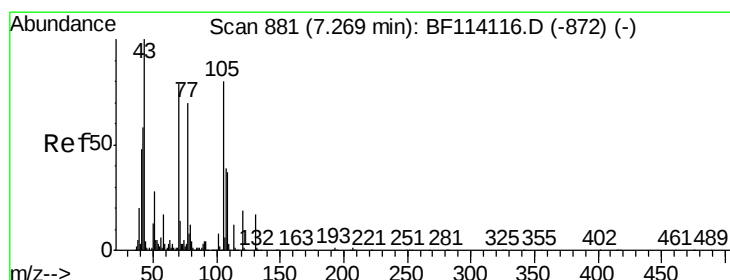
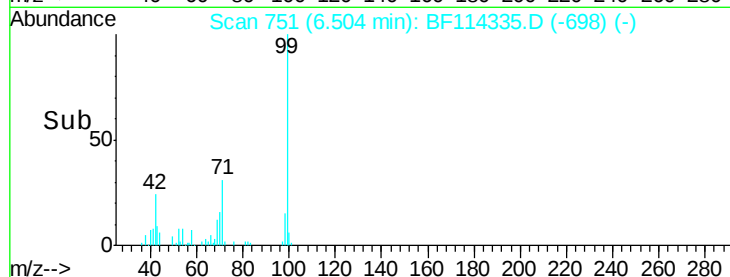
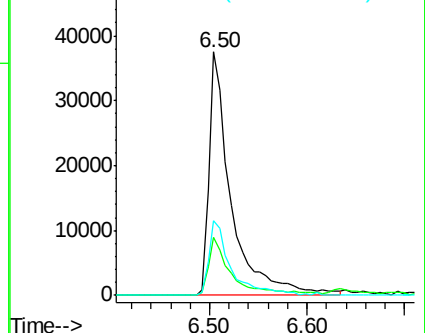
71 30.5 26.2 39.2



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: 12.550 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Tgt Ion: 70 Resp: 113295

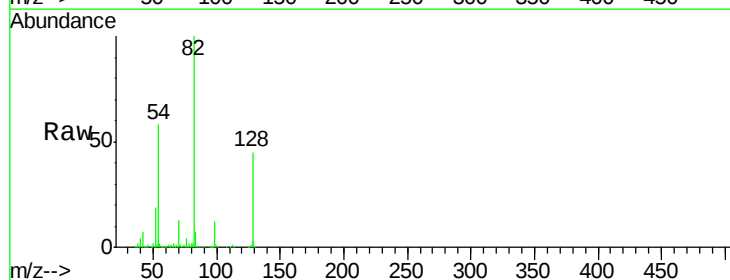
Ion Ratio Lower Upper

70 100

42 56.2 58.6 87.8#

101 0.0 7.8 11.8#

130 2.2 17.1 25.7#

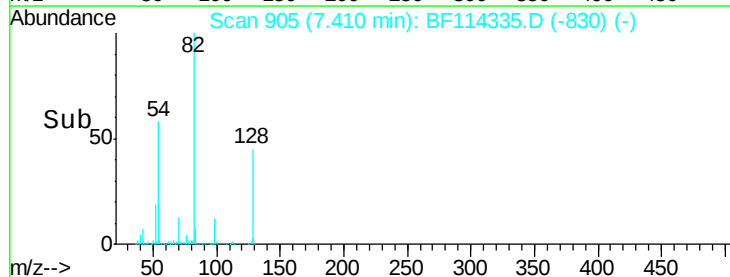
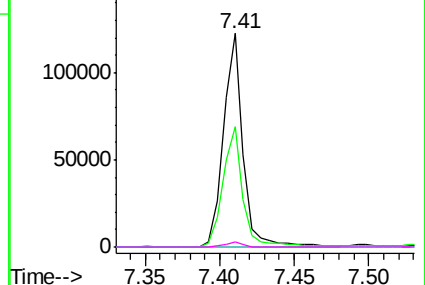


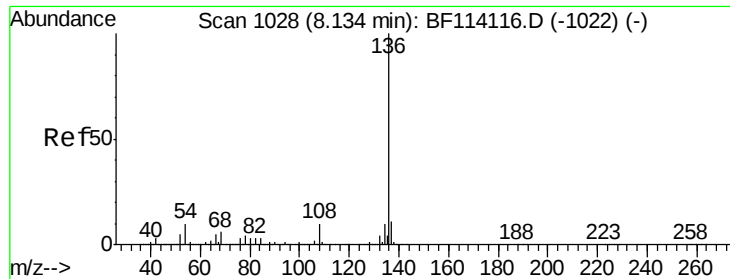
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

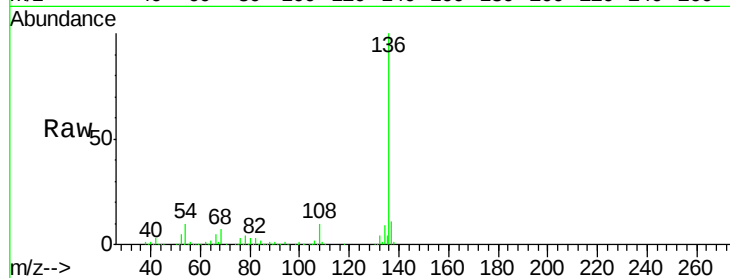




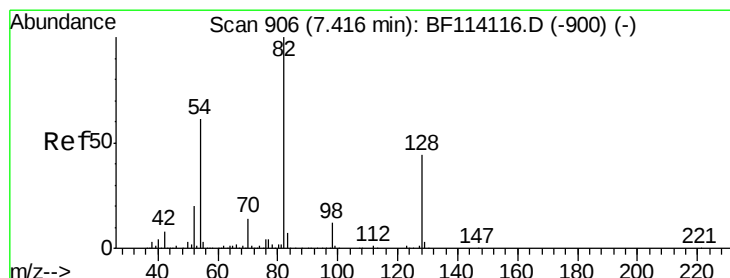
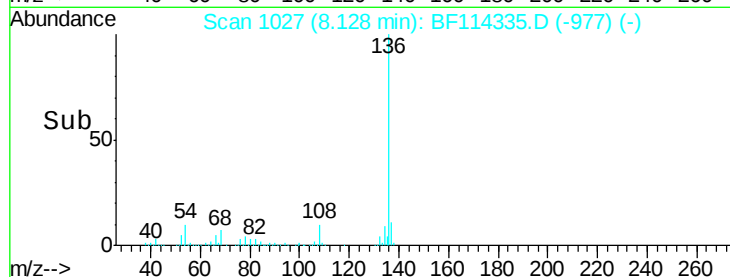
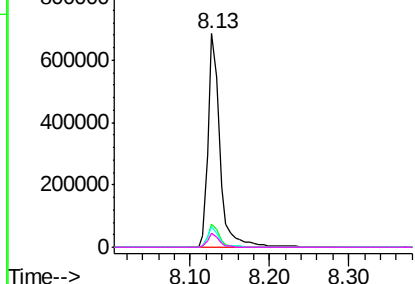
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

Instrument :
BNA_F
ClientSampleId :
CONCRETE-K

Tot Ion:136	Resp:	718946
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	9.6	7.8 11.8
68	6.7	5.1 7.7

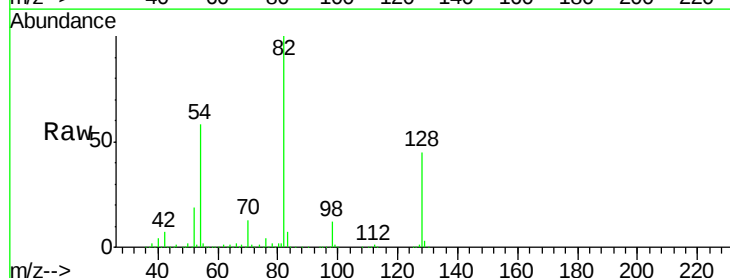


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

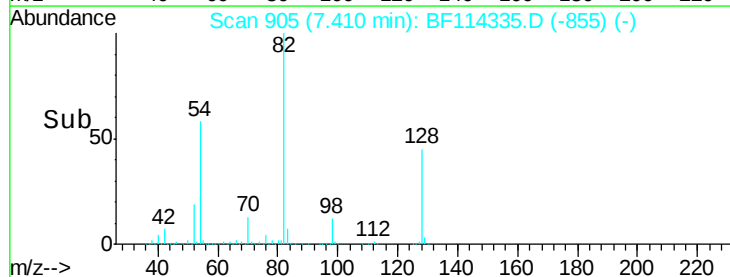
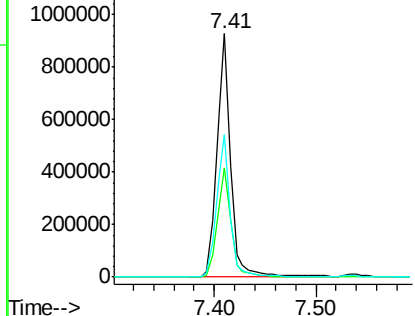


#23
Nitrobenzene-d5
Concen: 68.140 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

Tgt Ion: 82	Resp:	872932
Ion Ratio	Lower	Upper
82	100	
128	45.0	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





#25

Isophorone

Concen: 6.178 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Instrument :

BNA_F

ClientSampleId :

CONCRETE-K

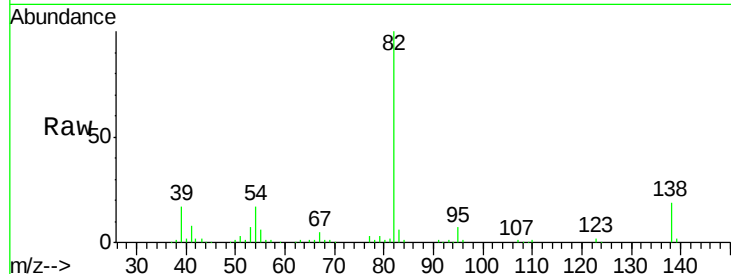
Tot Ion: 82 Resp: 146790

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

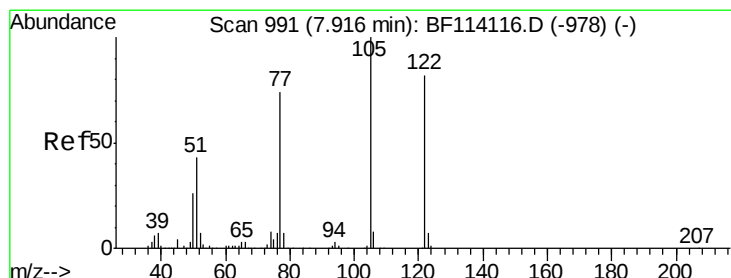
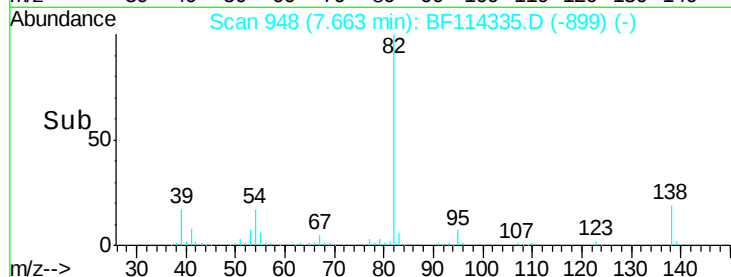
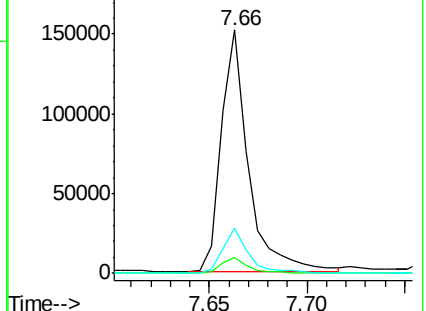
138 18.7 14.8 22.2



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



#32

Benzoic acid

Concen: 7.035 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.14 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

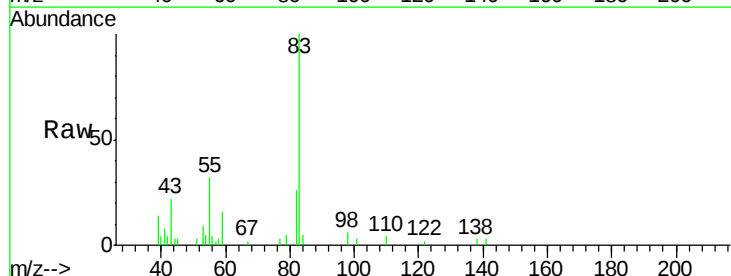
Tgt Ion: 122 Resp: 116

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

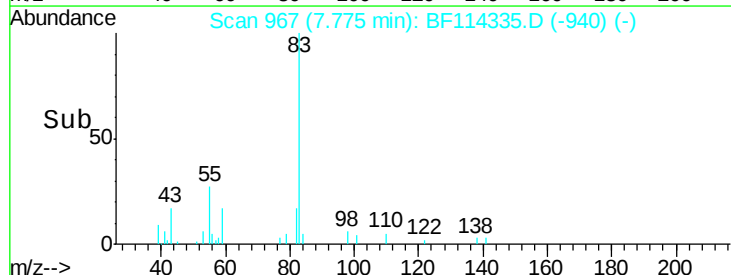
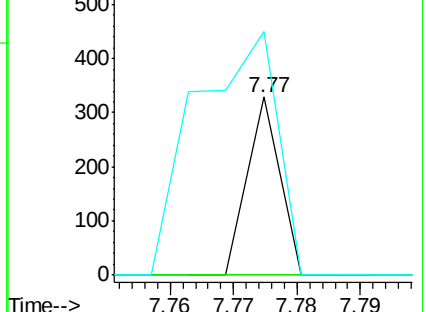
77 136.8 69.4 109.4#

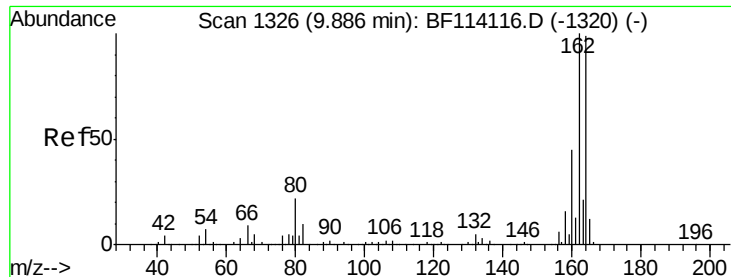


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Instrument :

BNA_F

ClientSampleId :

CONCRETE-K

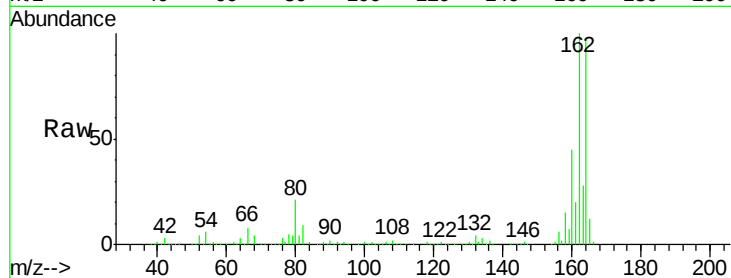
Tot Ion:164 Resp: 316139

Ion Ratio Lower Upper

164 100

162 102.9 80.6 120.8

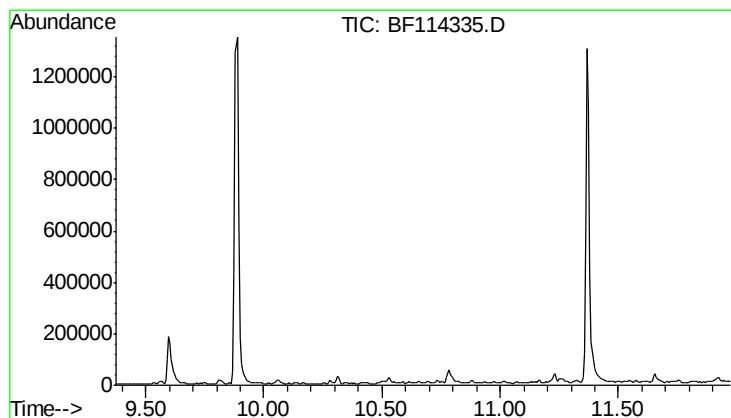
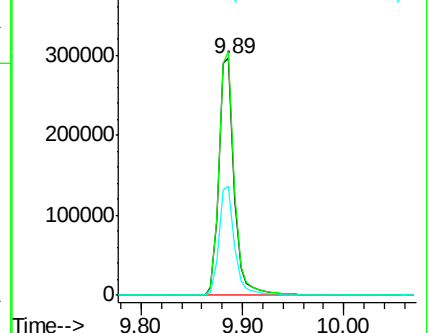
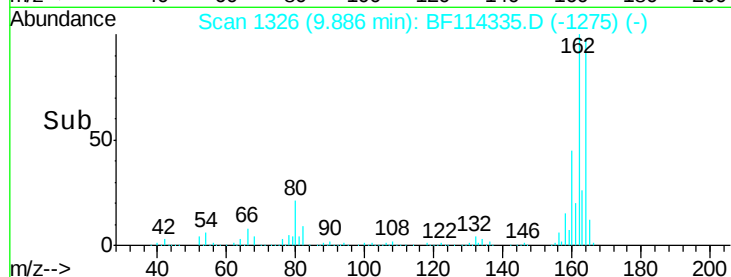
160 46.3 36.5 54.7



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: 0.000 ng

Expected RT: 10.67 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

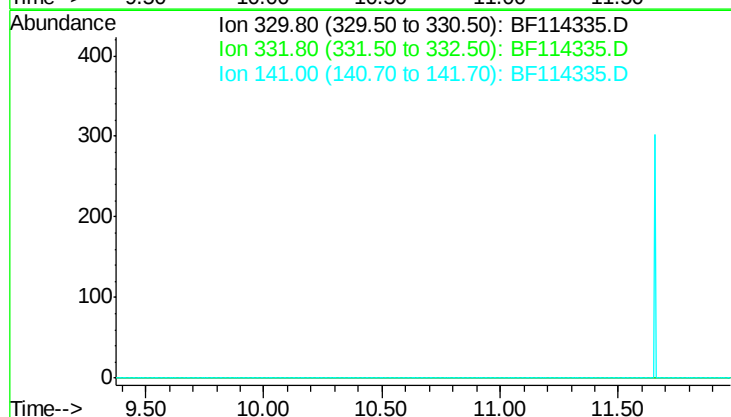
Tgt Ion: 330

Sig Exp Ratio

330 100

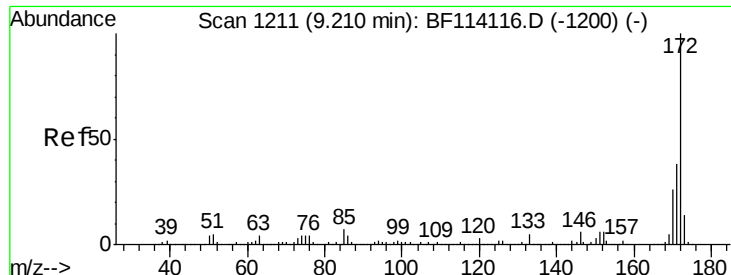
332 101.8

141 33.3



Ion 331.80 (331.50 to 332.50): BF114335.D

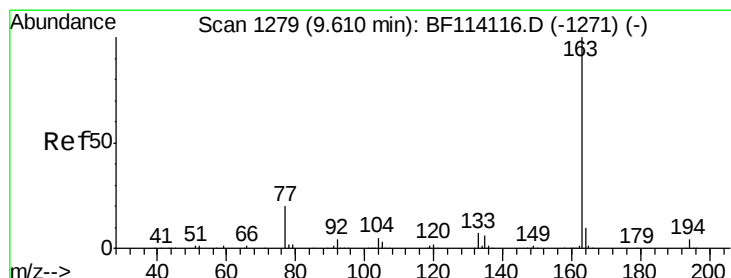
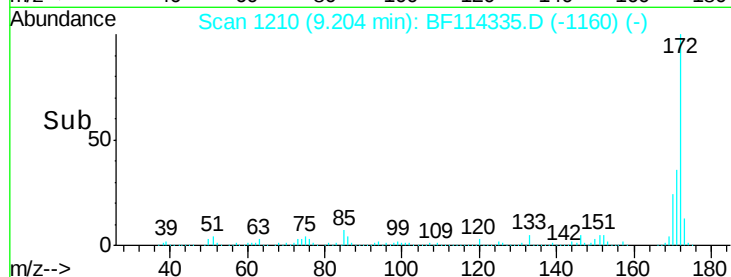
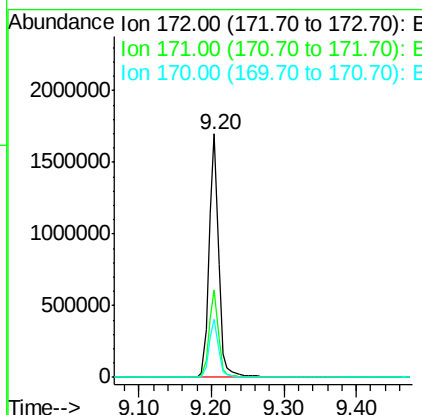
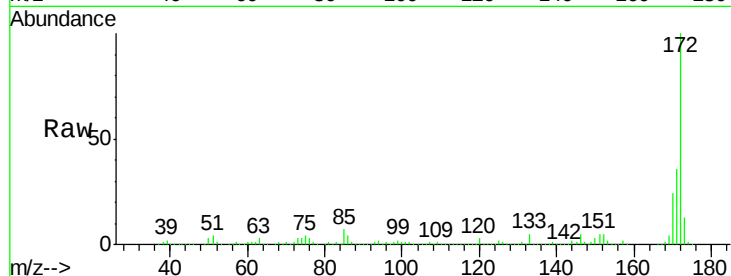
Ion 141.00 (140.70 to 141.70): BF114335.D



#45
2-Fluorobiphenyl
Concen: 74.756 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

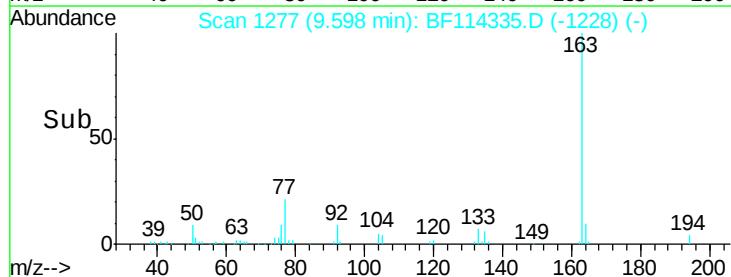
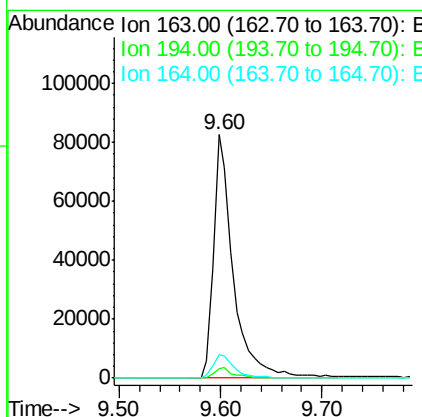
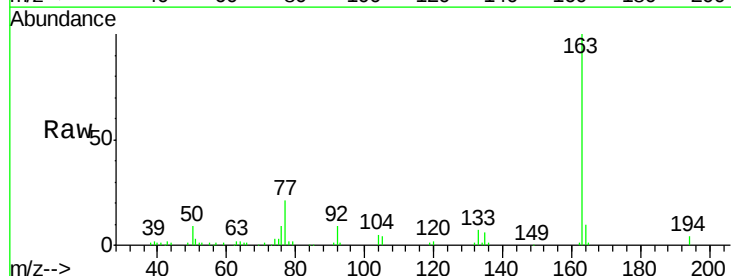
Instrument :
BNA_F
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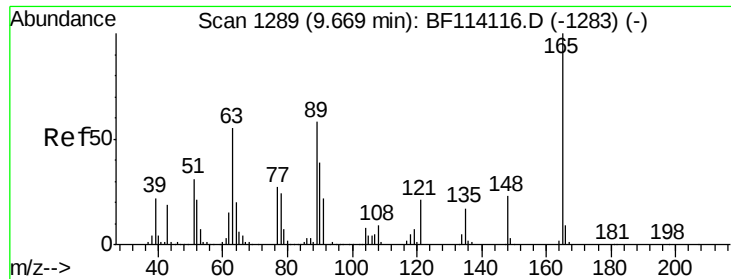
Tot Ion:172 Resp: 1562351
Ion Ratio Lower Upper
172 100
171 35.7 30.7 46.1
170 24.0 20.5 30.7



#50
Dimethylphthalate
Concen: 4.821 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

Tgt Ion:163 Resp: 111883
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.9 8.2 12.2

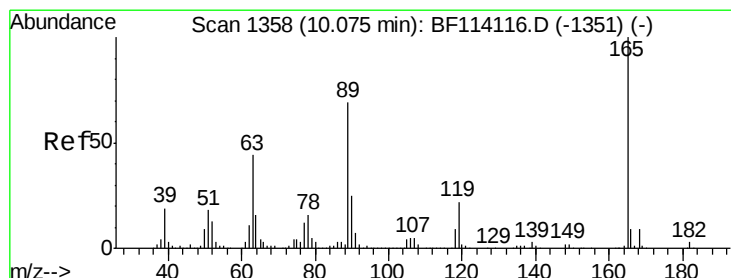
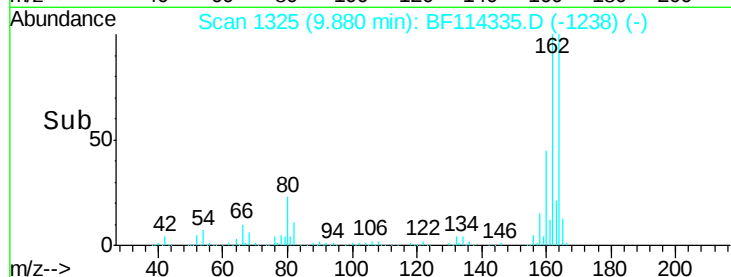
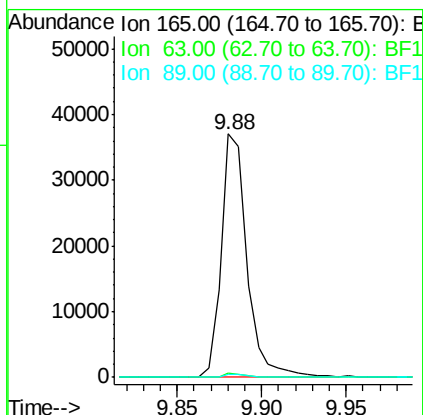
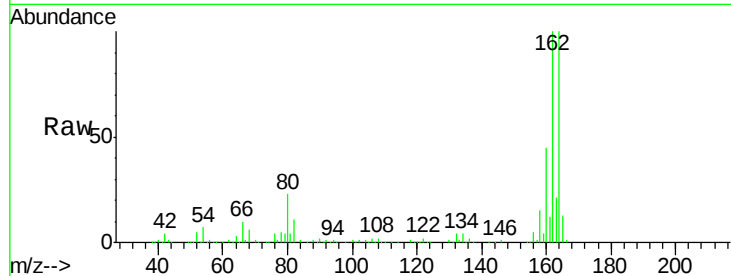




#51
 2,6-Dinitrotoluene
 Concen: 7.636 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF114335.D
 Acq: 17 May 2019 3:41

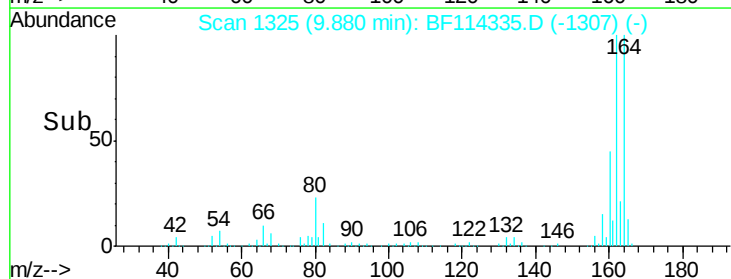
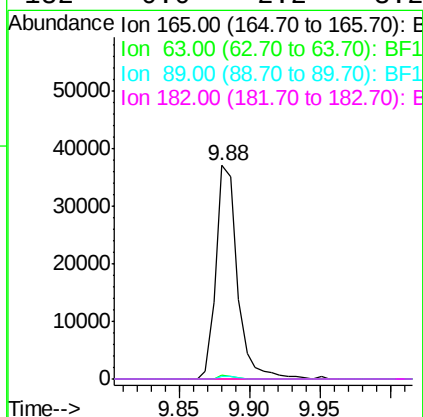
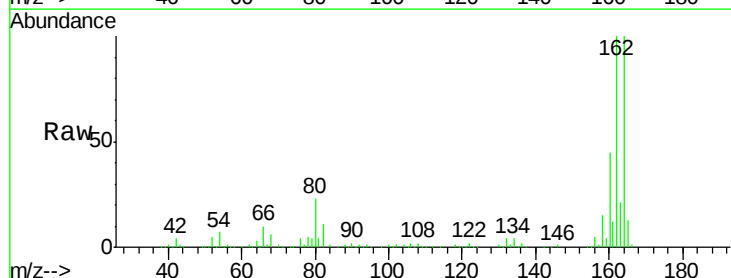
Instrument :
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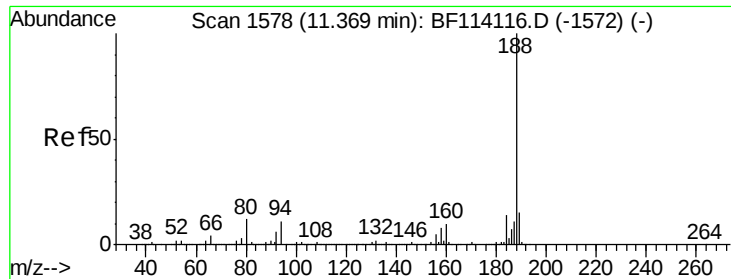
Tot Ion	165	Resp	39308
Ion	Ratio	Lower	Upper
165	100		
63	1.7	50.2	75.4#
89	1.1	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.643 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF114335.D
 Acq: 17 May 2019 3:41

Tgt Ion	165	Resp	39424
Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.5	53.3#
89	1.1	55.2	82.8#
182	0.0	2.2	3.2#

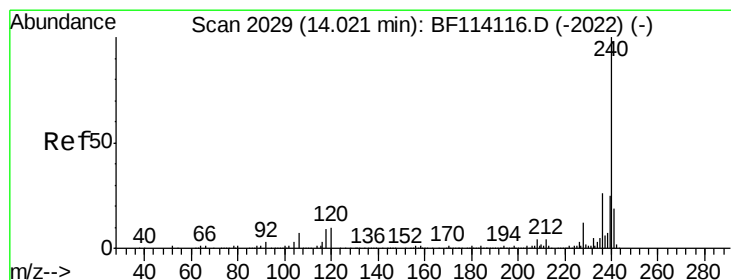
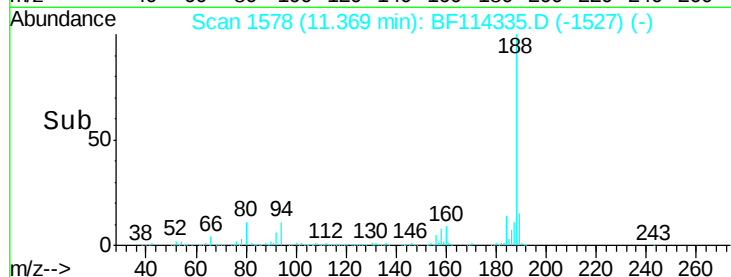
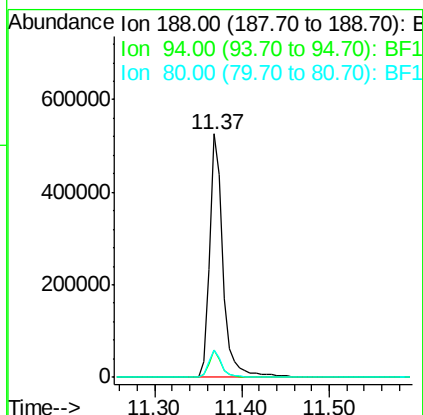
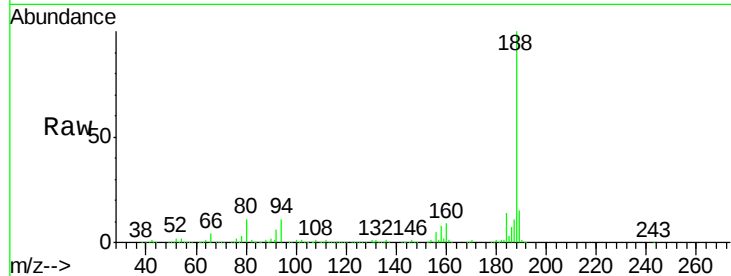




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

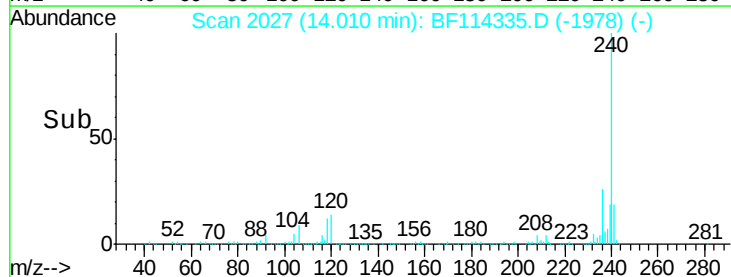
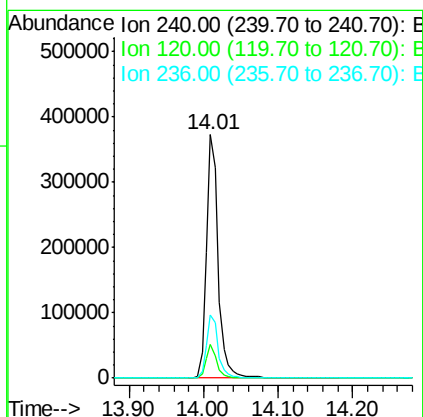
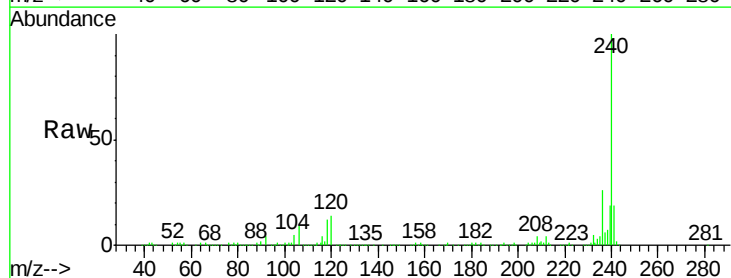
Instrument :
BNA_F
ClientSampleId :
CONCRETE-K

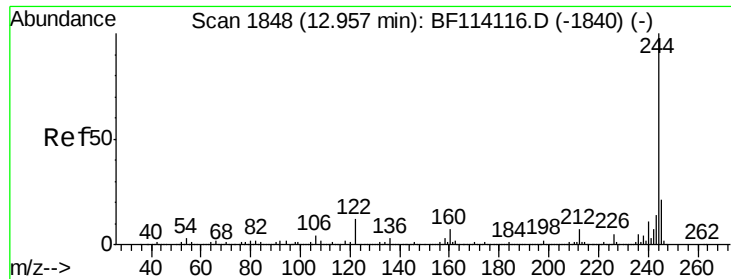
Tot Ion:188 Resp: 561455
Ion Ratio Lower Upper
188 100
94 11.0 8.4 12.6
80 11.3 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114335.D
Acq: 17 May 2019 3:41

Tgt Ion:240 Resp: 406971
Ion Ratio Lower Upper
240 100
120 13.7 8.3 12.5#
236 25.7 20.8 31.2





#79

Terphenyl-d14

Concen: 63.604 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Instrument :

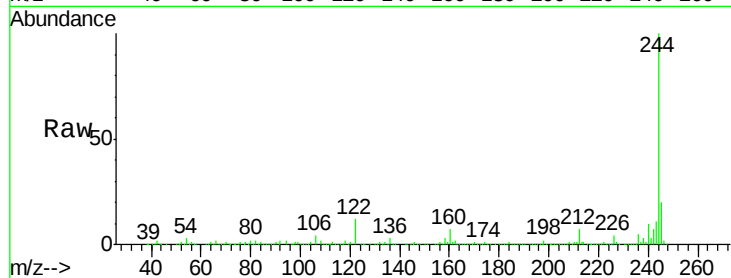
BNA_F

ClientSampleId :

CONCRETE-K

Tot Ion:244 Resp: 1255682

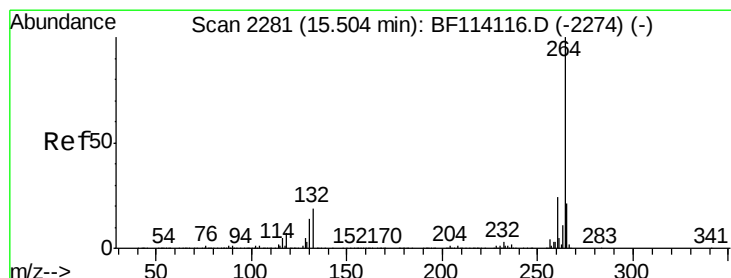
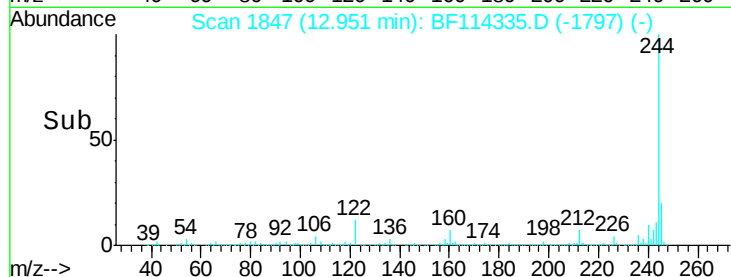
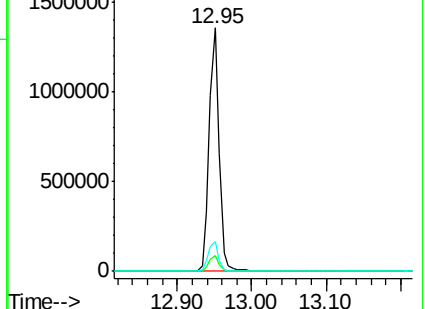
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	12.2	9.4	14.2



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

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

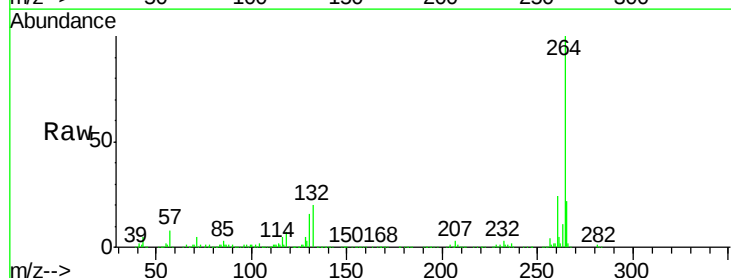
Delta R.T. -0.02 min

Lab File: BF114335.D

Acq: 17 May 2019 3:41

Tgt Ion:264 Resp: 477105

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.0	16.9	25.3



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

