

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114870.D
 Acq On : 6 Jun 2019 18:57
 Operator : HP/JU
 Sample : K3216-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-1

Quant Time: Jun 07 00:02:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

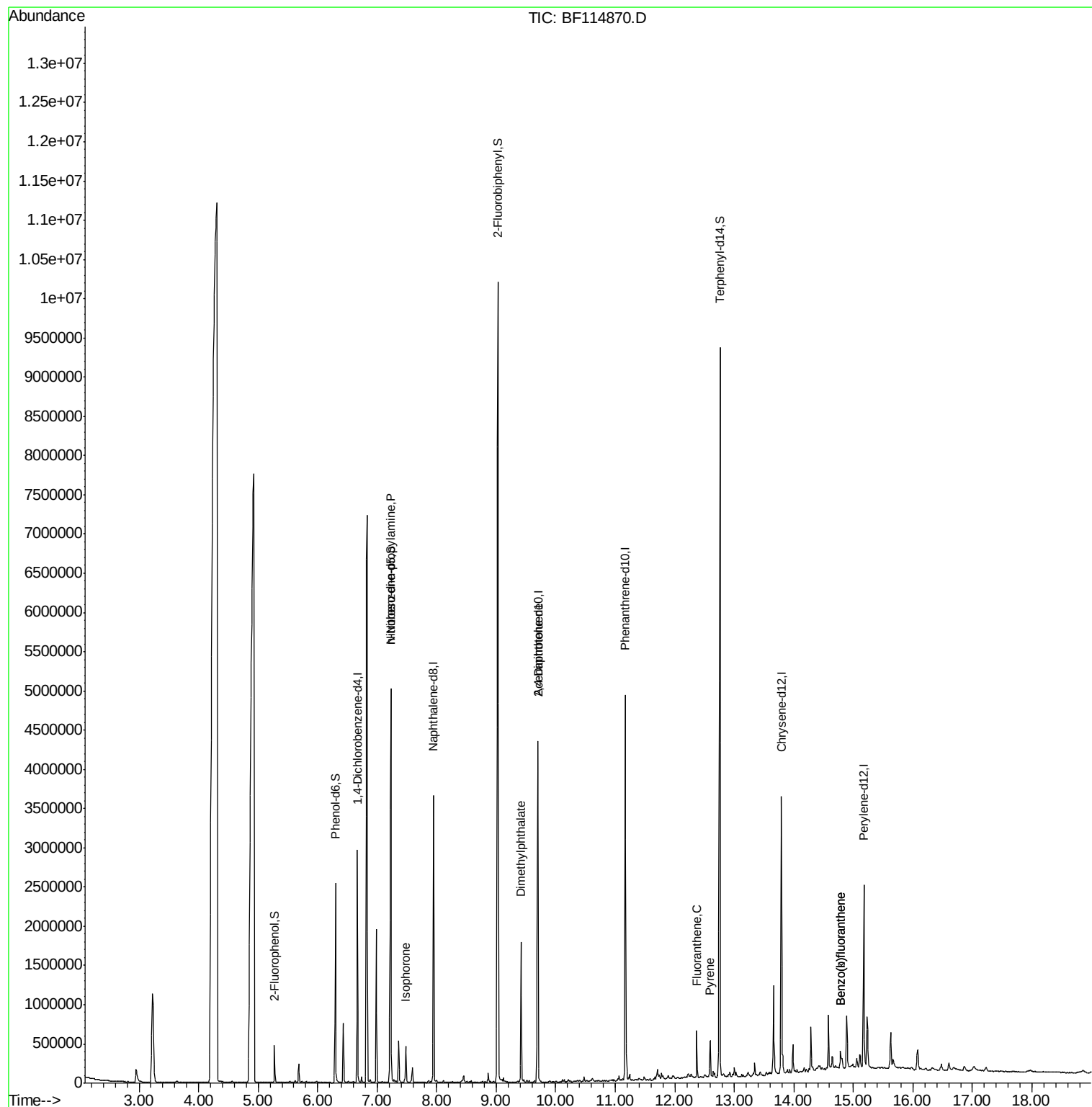
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	462436	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1829788	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	944446	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1746796	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1110309	20.00	ng	0.00
87) Perylene-d12	15.17	264	987834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	137720	5.20	ng	0.01
7) Phenol-d6	6.30	99	856450	26.60	ng	0.00
23) Nitrobenzene-d5	7.23	82	2005625	67.47	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	6125	0.60	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3600672	71.42	ng	0.00
79) Terphenyl-d14	12.76	244	3673043	64.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	268807	12.610	ng	Qvalue # 79
25) Isophorone	7.48	82	179661	3.057	ng	95
50) Dimethylphthalate	9.42	163	757716	10.985	ng	98
57) 2,4-Dinitrotoluene	9.69	165	123737	6.068	ng	# 32
58) Fluorene	10.24	166	5383	Below Cal		# 88
75) Fluoranthene	12.37	202	223758	2.578	ng	96
78) Pyrene	12.60	202	193014	2.004	ng	95
88) Benzo(b)fluoranthene	14.79	252	146289	2.326	ng	98
89) Benzo(k)fluoranthene	14.79	252	146289	2.739	ng	98

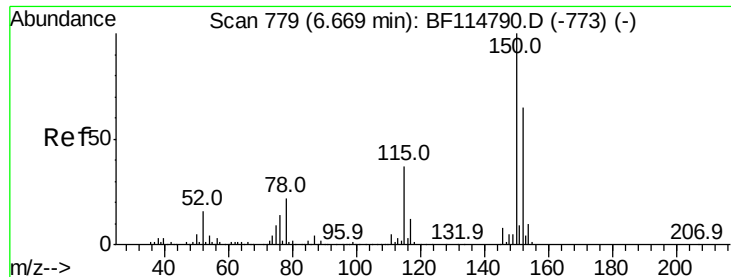
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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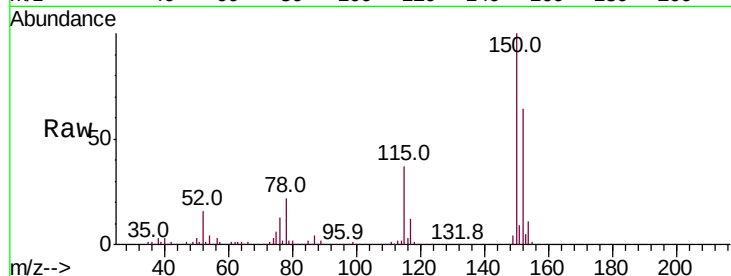


#1

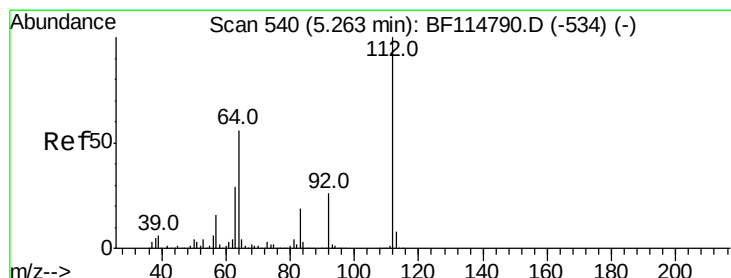
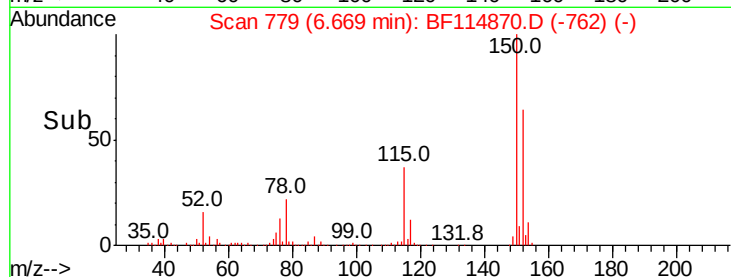
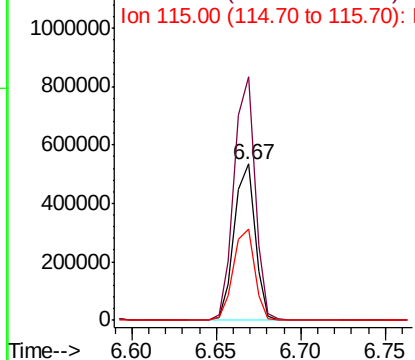
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-1

Tot Ion:152 Resp: 462436
Ion Ratio Lower Upper
152 100
150 155.9 124.0 186.0
115 58.2 46.3 69.5



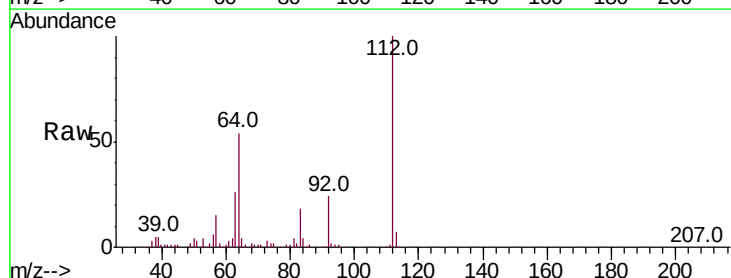
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



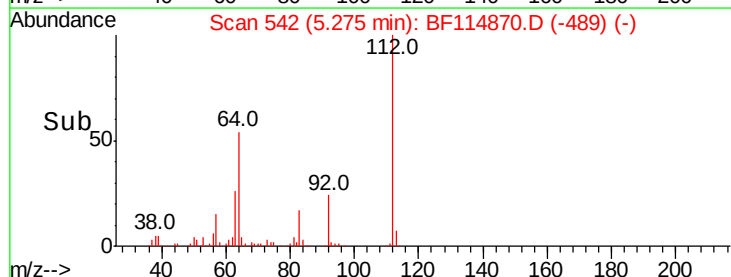
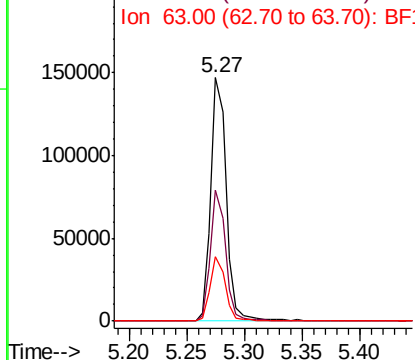
#5

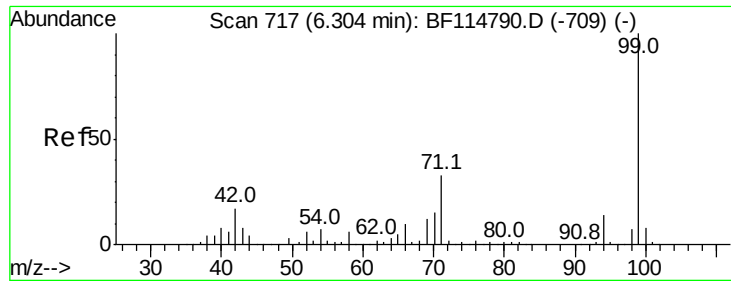
2-Fluorophenol
Concen: 5.204 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

Tgt Ion:112 Resp: 137720
Ion Ratio Lower Upper
112 100
64 54.0 44.6 66.8
63 26.3 23.0 34.4



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: 26.596 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1

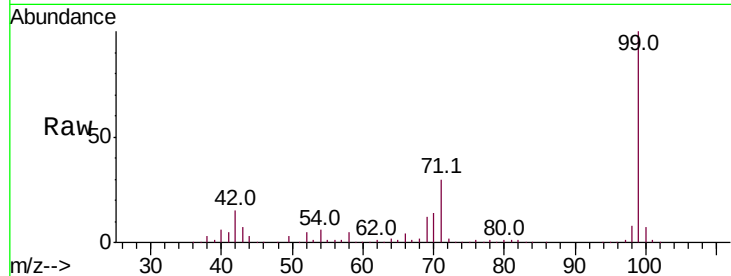
Tot Ion: 99 Resp: 856450

Ion Ratio Lower Upper

99 100

42 14.8 13.3 19.9

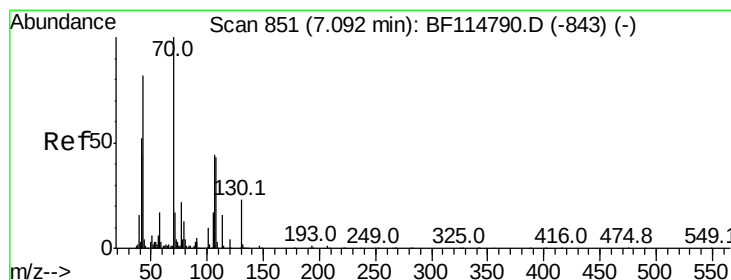
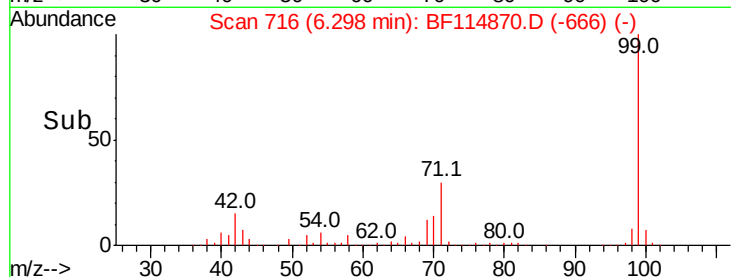
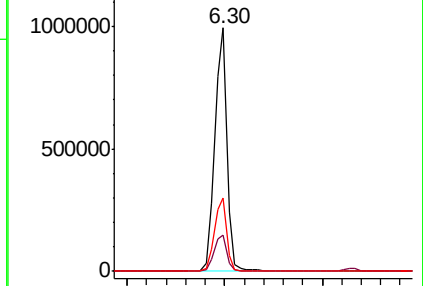
71 30.1 26.3 39.5



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: 12.610 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Tgt Ion: 70 Resp: 268807

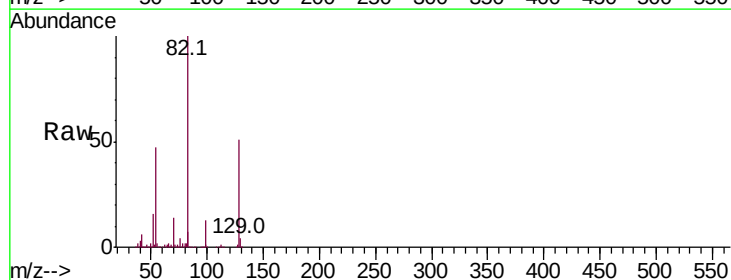
Ion Ratio Lower Upper

70 100

42 45.2 41.8 62.8

101 0.0 8.2 12.4#

130 2.4 18.5 27.7#

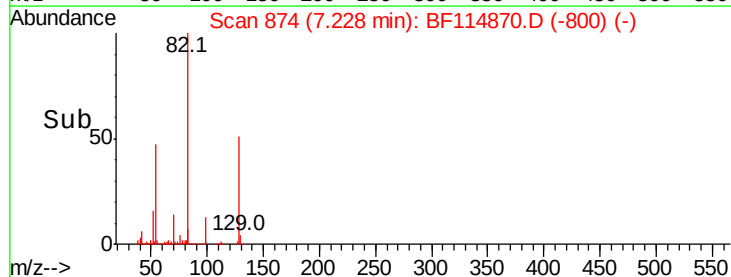
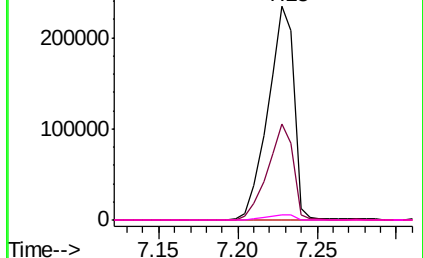


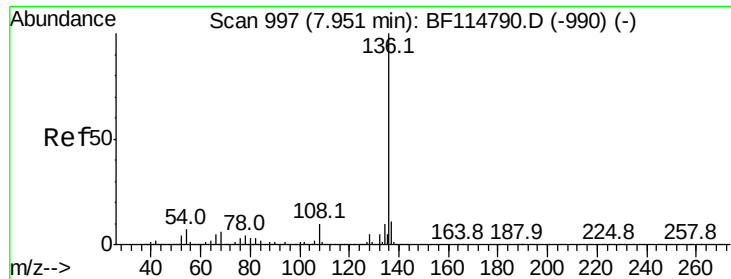
Abundance Ion 70.00 (69.70 to 70.70): BF1

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



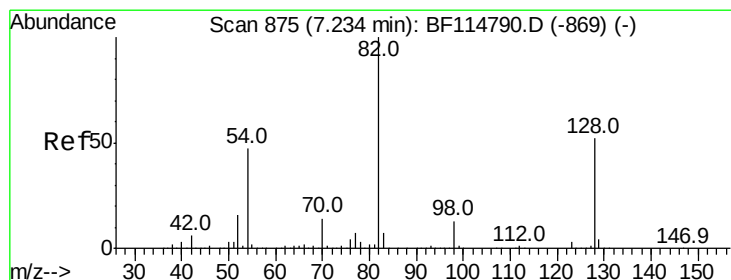
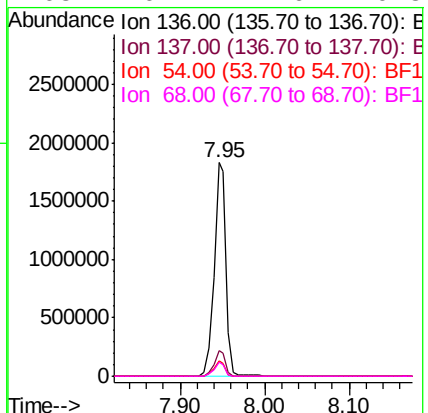
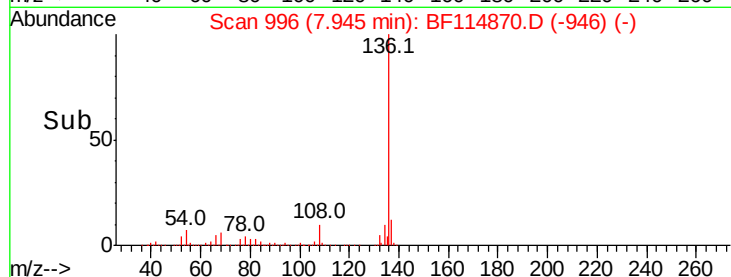
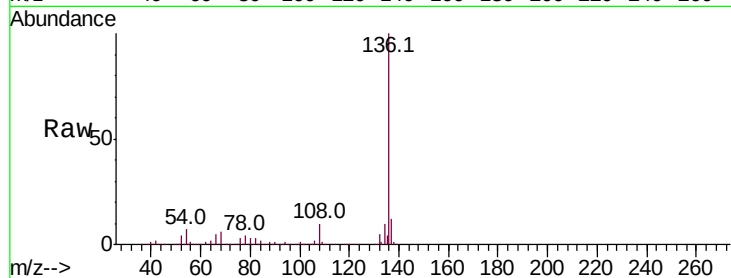


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-1

Tot Ion:136 Resp: 1829788

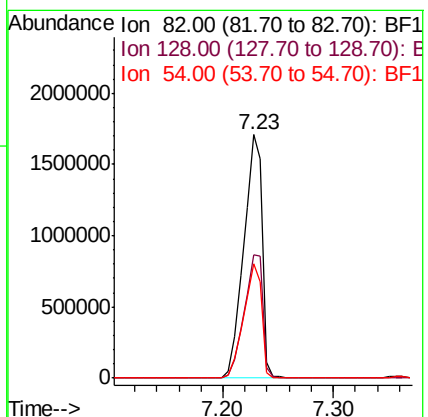
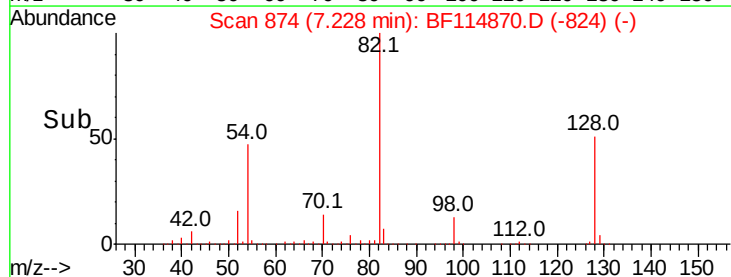
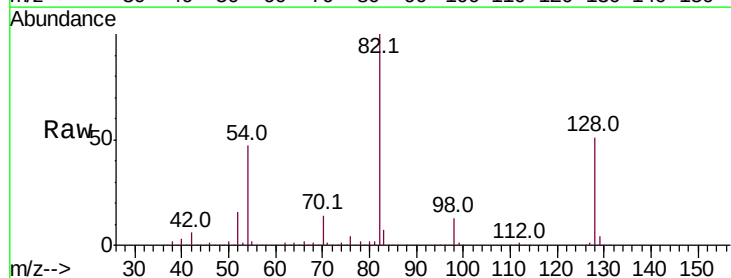
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.4	5.4	8.0
68	6.4	4.6	6.8

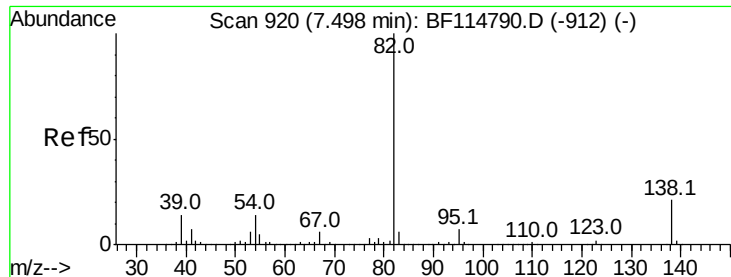


#23
Nitrobenzene-d5
Concen: 67.474 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

Tgt Ion: 82 Resp: 2005625

Ion	Ratio	Lower	Upper
82	100		
128	50.7	41.8	62.6
54	47.1	37.9	56.9





#25

Isophorone

Concen: 3.057 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1

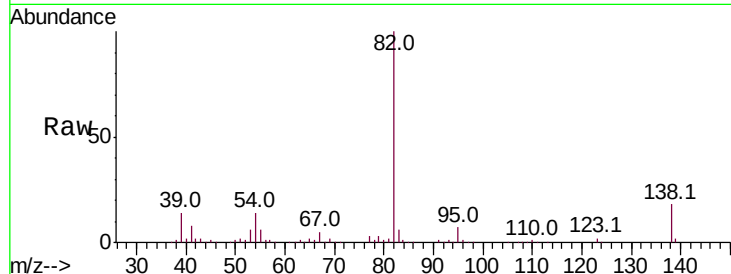
Tot Ion: 82 Resp: 179661

Ion Ratio Lower Upper

82 100

95 6.9 5.8 8.8

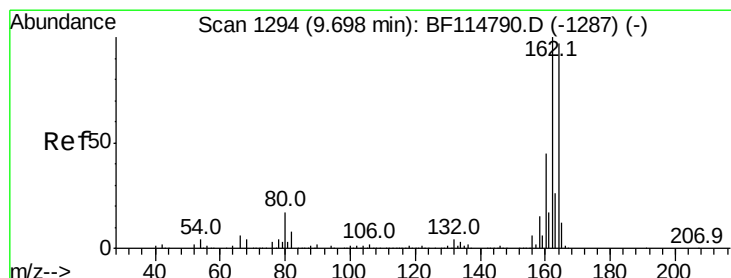
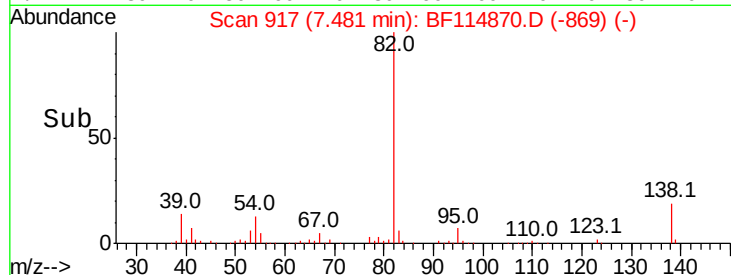
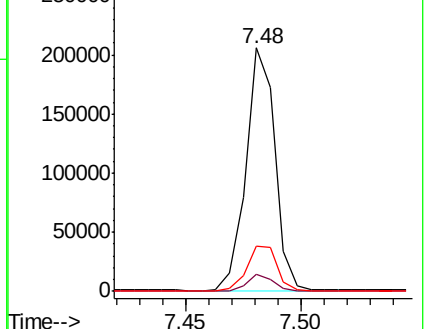
138 18.4 16.9 25.3



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: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

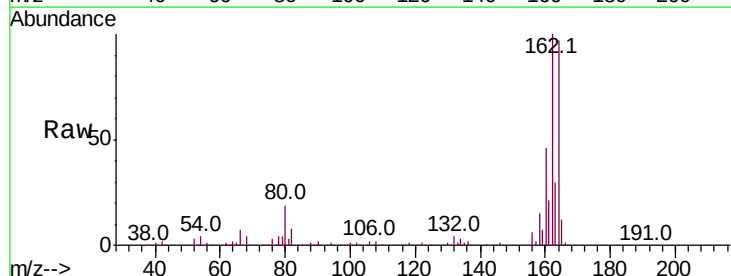
Tgt Ion: 164 Resp: 944446

Ion Ratio Lower Upper

164 100

162 103.6 82.3 123.5

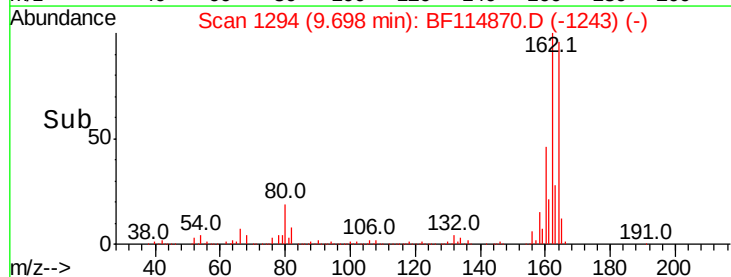
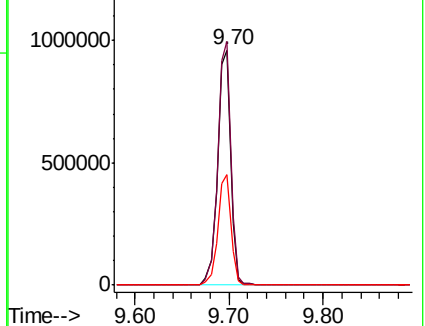
160 47.2 36.7 55.1

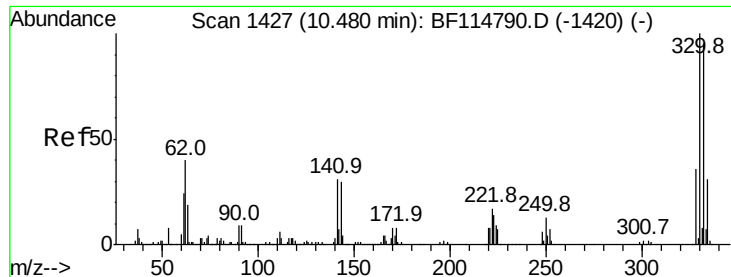


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 0.602 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1

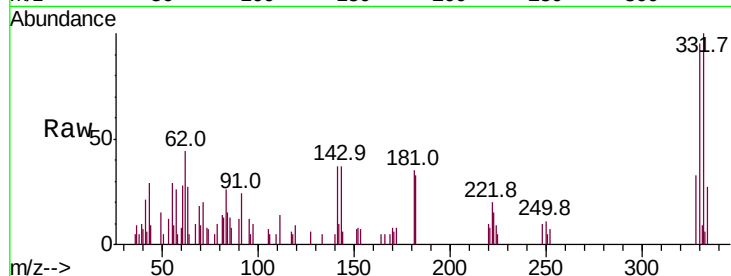
Tot Ion:330 Resp: 6125

Ion Ratio Lower Upper

330 100

332 102.7 77.3 115.9

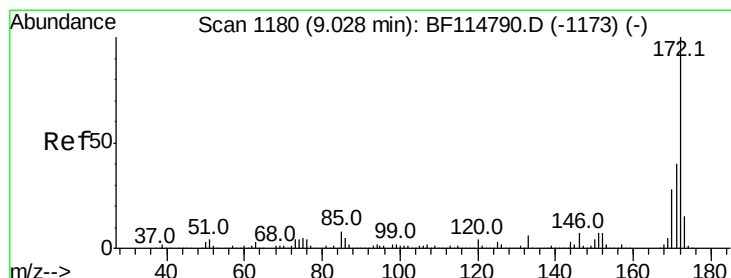
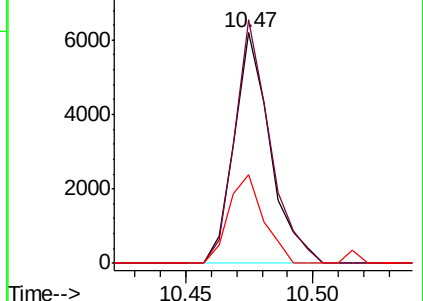
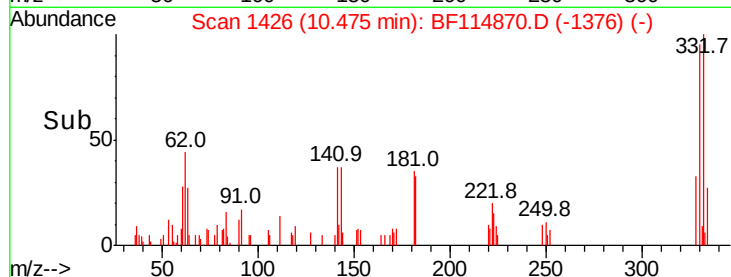
141 37.4 26.2 39.4



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: 71.418 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

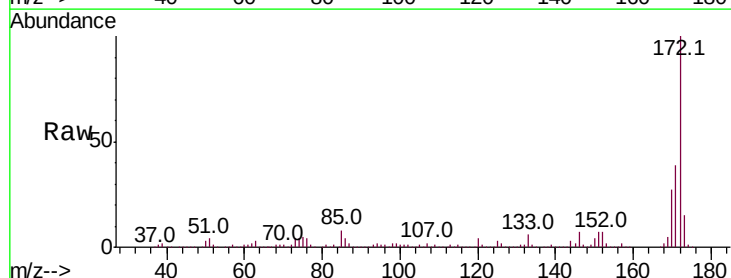
Tgt Ion:172 Resp: 3600672

Ion Ratio Lower Upper

172 100

171 39.5 32.3 48.5

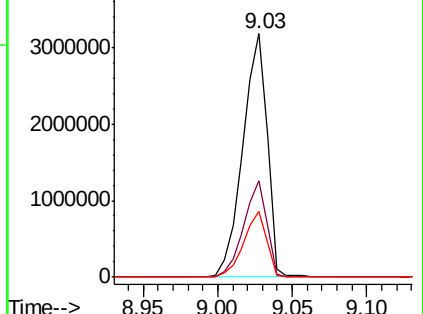
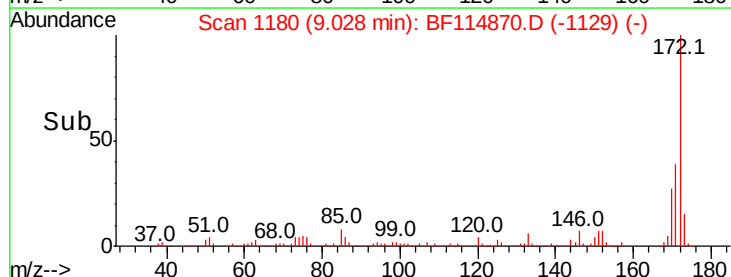
170 27.2 22.4 33.6

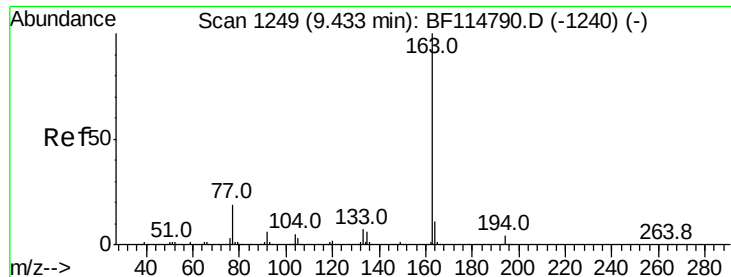


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.985 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

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ClientSampleId :

CONCRETE-COMP-1

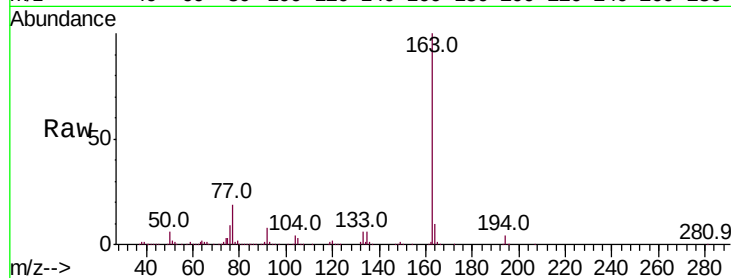
Tot Ion:163 Resp: 757716

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.2

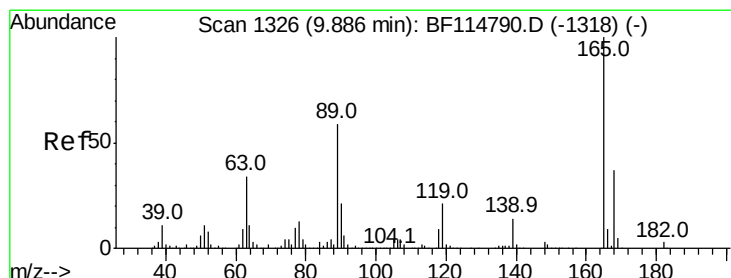
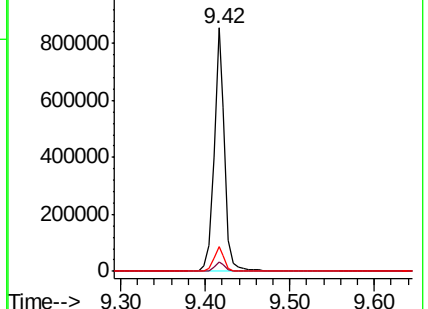
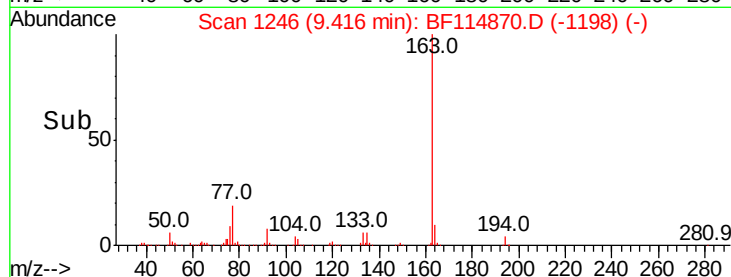
164 10.2 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 6.068 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.19 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Tgt Ion:165 Resp: 123737

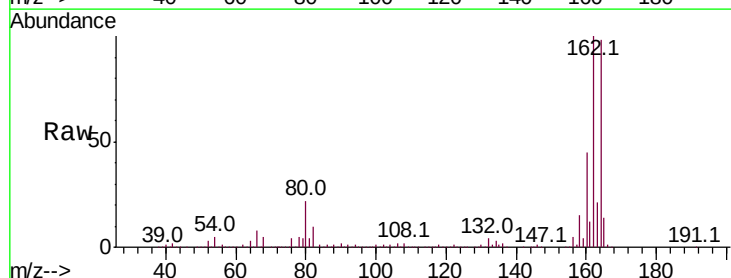
Ion Ratio Lower Upper

165 100

63 1.1 27.0 40.4#

89 1.1 47.0 70.6#

182 0.0 2.2 3.2#

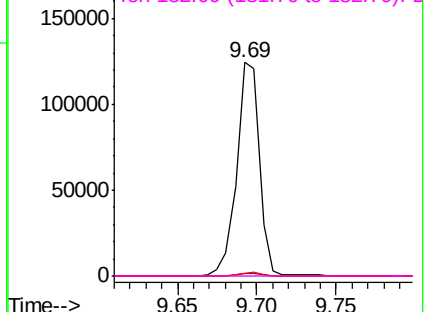
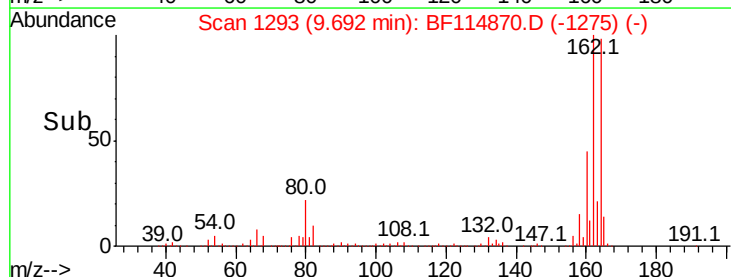


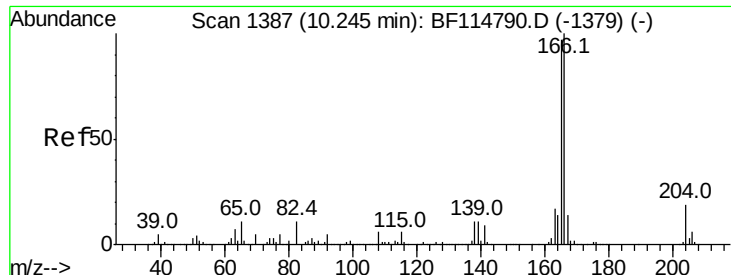
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1

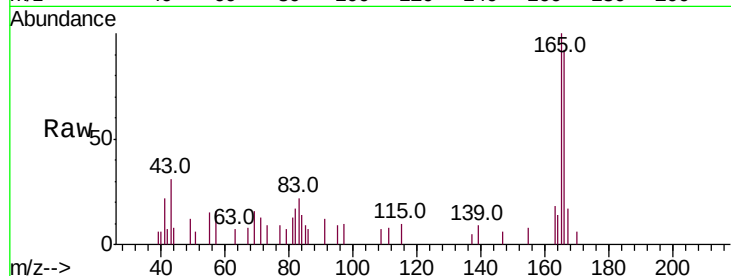
Tot Ion:166 Resp: 5383

Ion Ratio Lower Upper

166 100

165 109.2 77.9 116.9

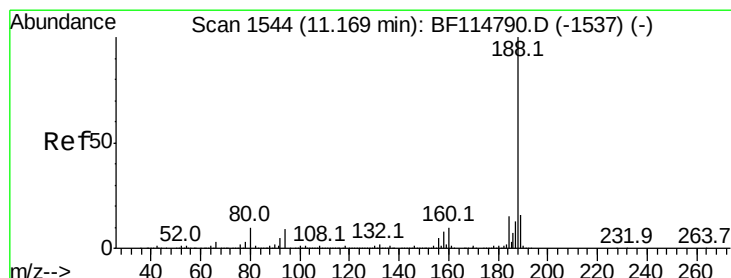
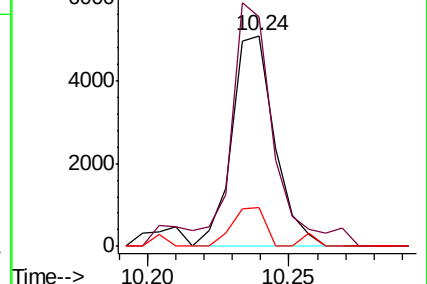
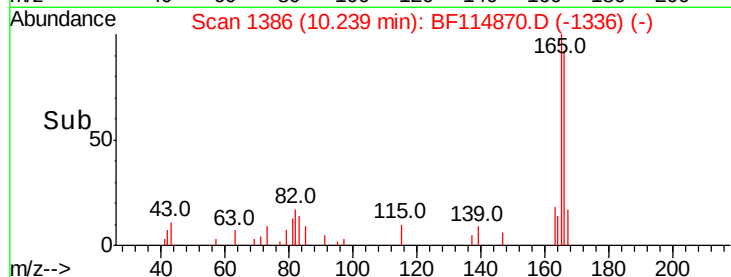
167 18.6 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

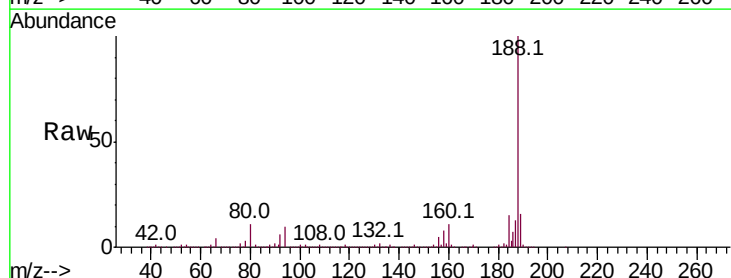
Tgt Ion:188 Resp: 1746796

Ion Ratio Lower Upper

188 100

94 10.1 7.6 11.4

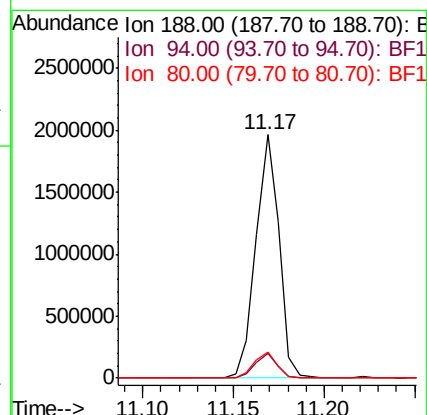
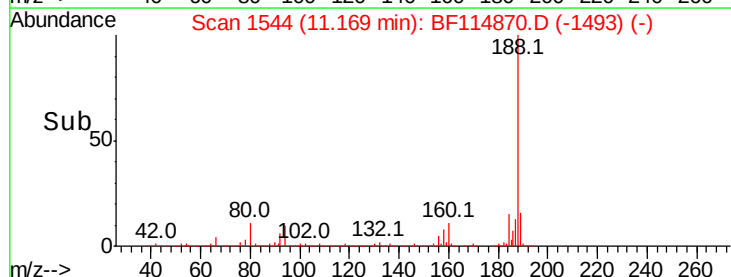
80 10.8 8.3 12.5

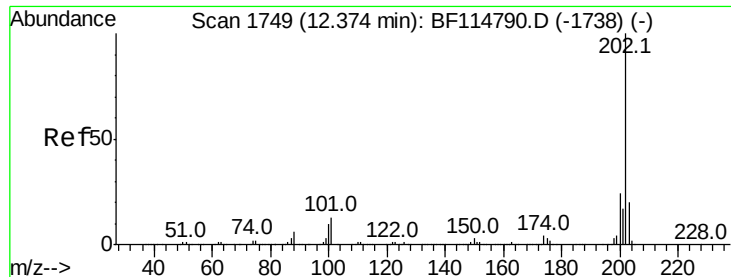


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.578 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1

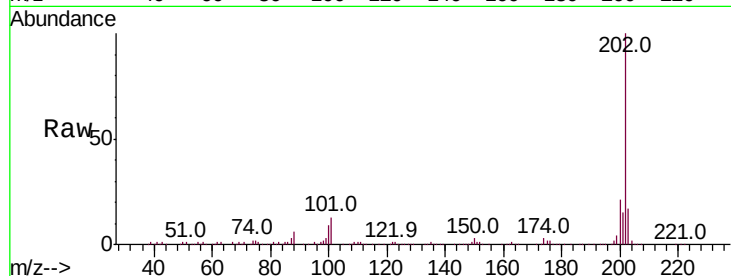
Tot Ion:202 Resp: 223758

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.8

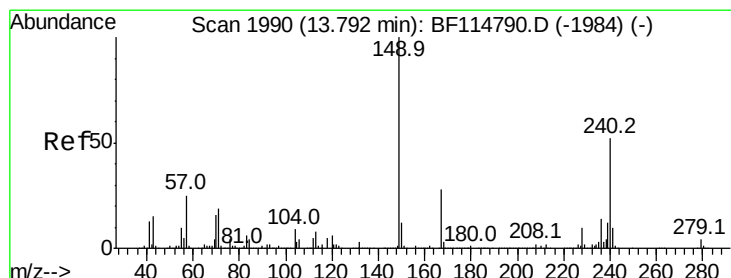
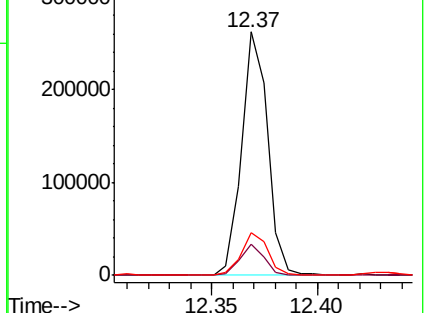
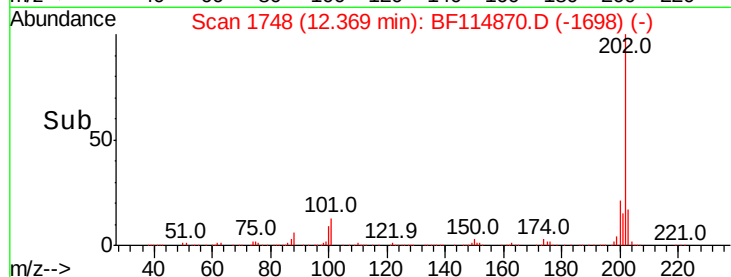
203 17.5 0.2 40.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF114870.D

Acq: 6 Jun 2019 18:57

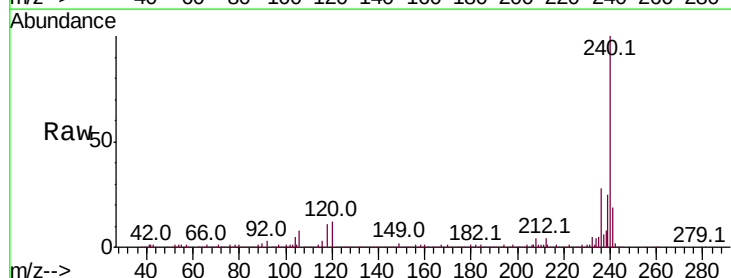
Tgt Ion:240 Resp: 1110309

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

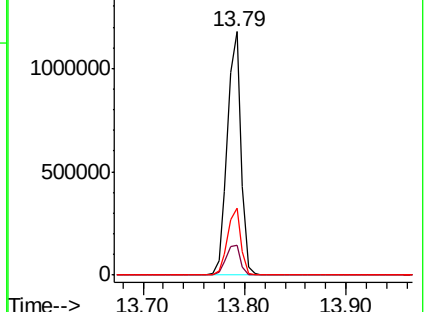
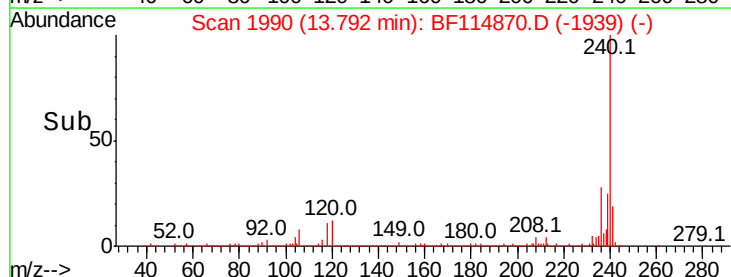
236 27.6 21.4 32.0

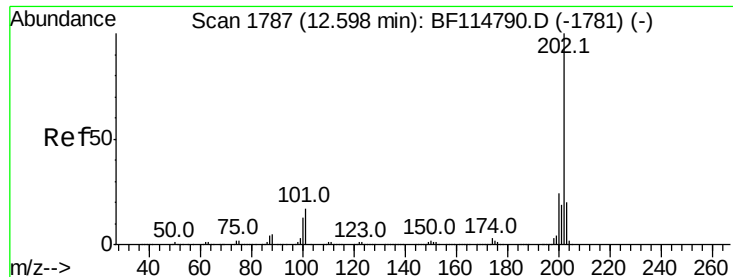


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

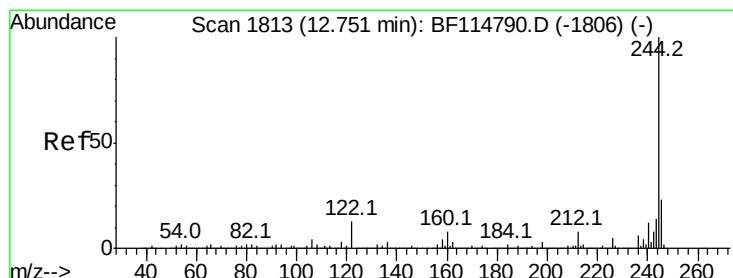
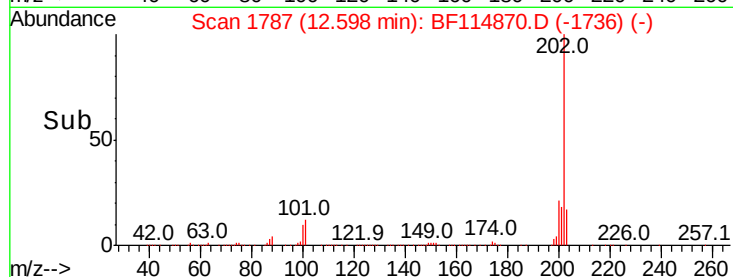
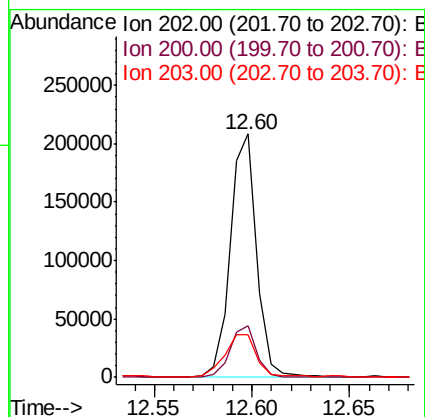
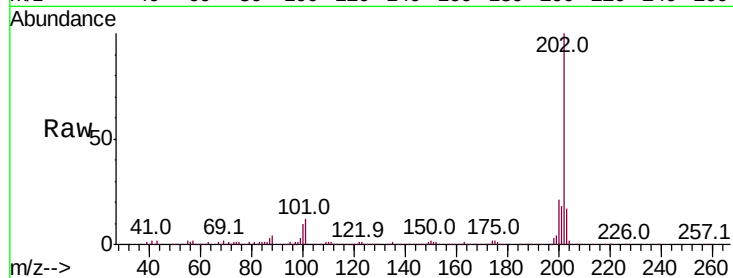




#78
Pvrene
Concen: 2.004 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

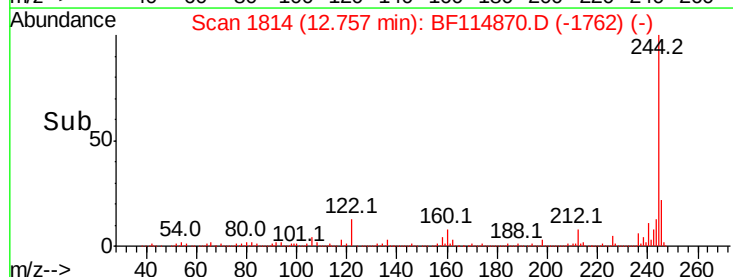
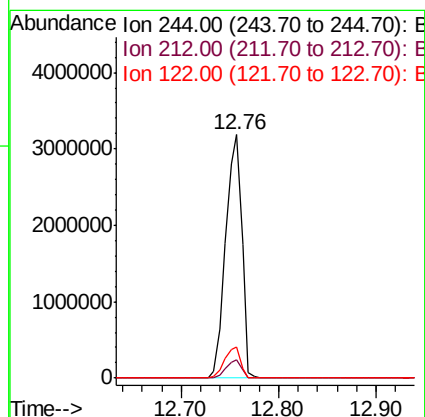
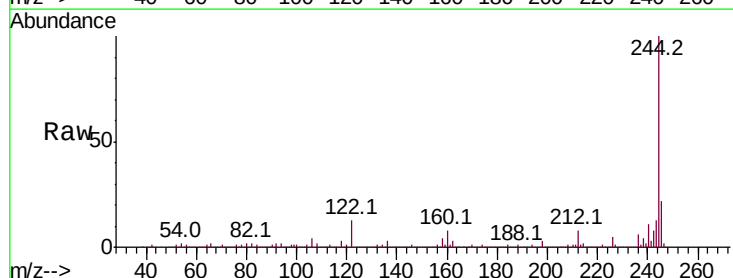
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-1

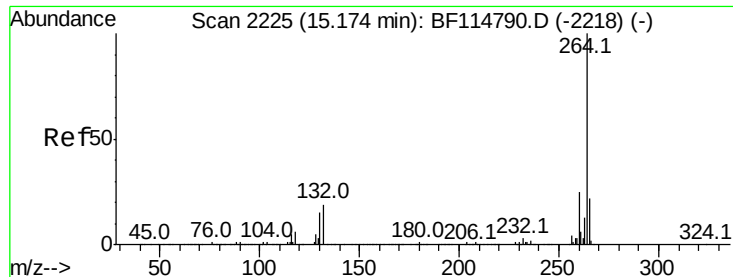
Tot Ion:202 Resp: 193014
Ion Ratio Lower Upper
202 100
200 21.3 19.2 28.8
203 17.5 15.9 23.9



#79
Terphenyl-d14
Concen: 64.335 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

Tgt Ion:244 Resp: 3673043
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 12.6 10.5 15.7



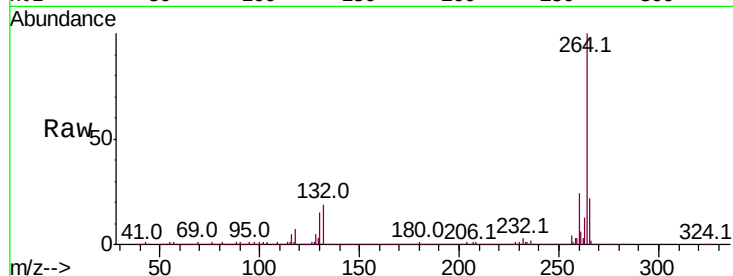


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

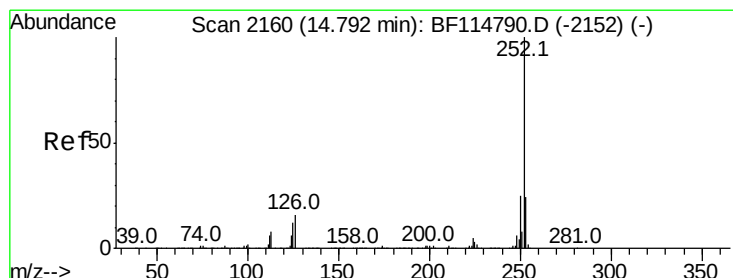
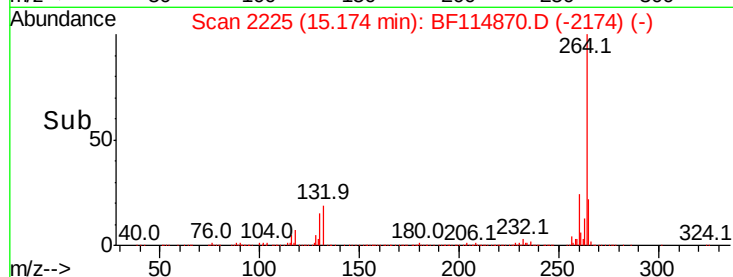
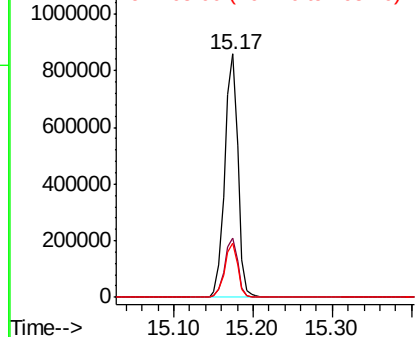
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-1

Tot Ion:264 Resp: 987834

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.1	17.7	26.5



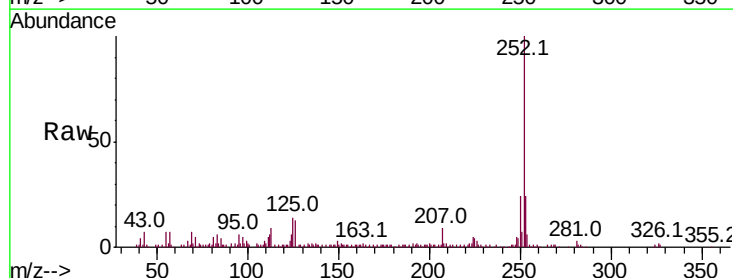
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



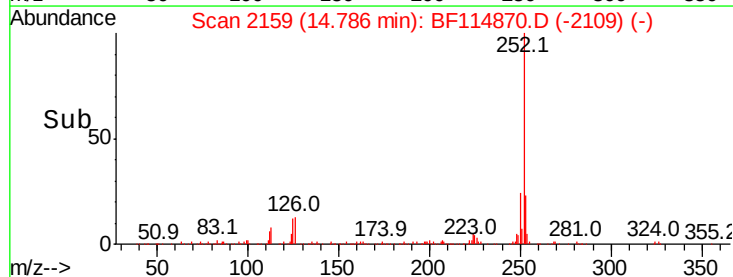
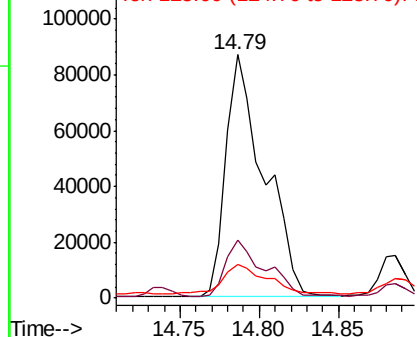
#88
Benzo(b)fluoranthene
Concen: 2.326 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114870.D
Acq: 6 Jun 2019 18:57

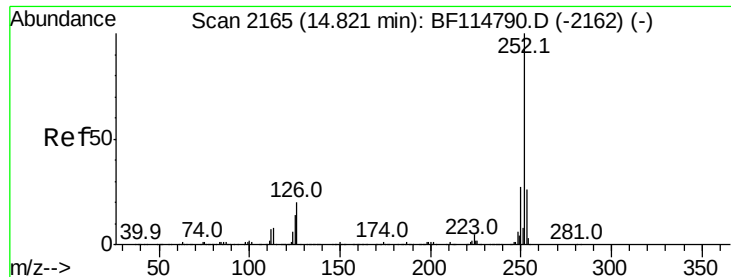
Tgt Ion:252 Resp: 146289

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	13.7	9.4	14.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.739 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF114870.D

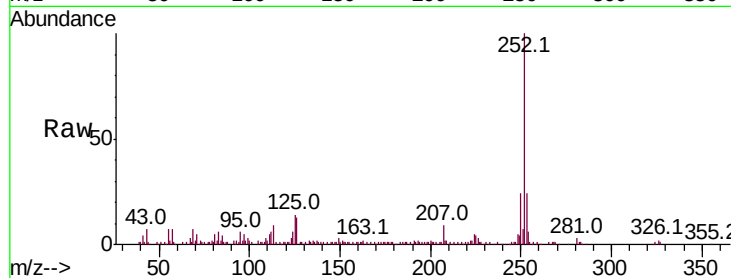
Acq: 6 Jun 2019 18:57

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-1



Tot Ion:252 Resp: 146289

Ion Ratio Lower Upper

252 100

253 23.6 19.3 28.9

125 13.7 10.1 15.1

