

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114868.D
 Acq On : 6 Jun 2019 18:04
 Operator : HP/JU
 Sample : K3216-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2

Quant Time: Jun 07 00:02:22 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	465373	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1820532	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	898080	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1612394	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1024194	20.00	ng	0.00
87) Perylene-d12	15.18	264	948958	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	67377	2.53	ng	0.01
7) Phenol-d6	6.30	99	602505	18.59	ng	0.00
23) Nitrobenzene-d5	7.23	82	1720590	58.18	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	2056	0.21	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3176197	66.25	ng	0.00
79) Terphenyl-d14	12.76	244	3042197	57.77	ng	0.00

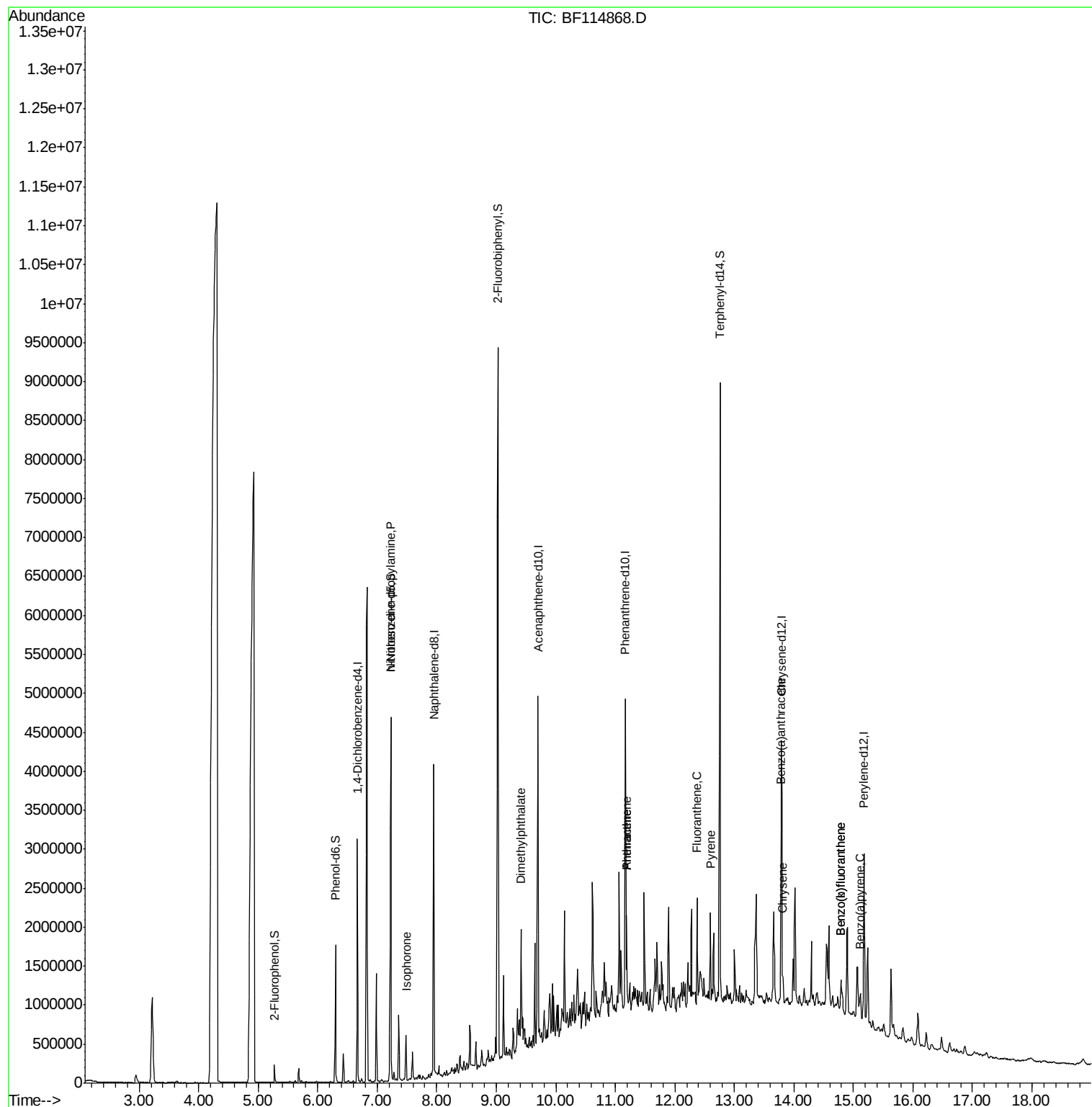
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	229694	10.707	ng	# 78
25) Isophorone	7.49	82	235446	4.027	ng	98
50) Dimethylphthalate	9.42	163	583858	8.901	ng	99
58) Fluorene	10.24	166	38810	Below Cal		# 88
71) Phenanthrene	11.19	178	441442	5.735	ng	96
72) Anthracene	11.19	178	441442	5.449	ng	96
75) Fluoranthene	12.37	202	520047	6.491	ng	95
78) Pyrene	12.60	202	463937	5.222	ng	96
81) Benzo(a)anthracene	13.78	228	180232	2.284	ng	99
83) Chrysene	13.82	228	177420	2.311	ng	96
88) Benzo(b)fluoranthene	14.79	252	278028	4.602	ng	# 94
89) Benzo(k)fluoranthene	14.79	252	278028	5.419	ng	# 94
90) Benzo(a)pyrene	15.12	252	137885	2.637	ng	# 95

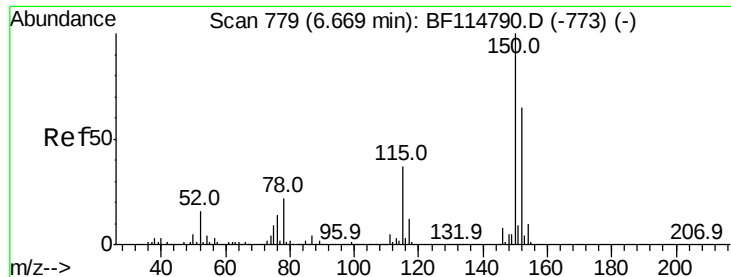
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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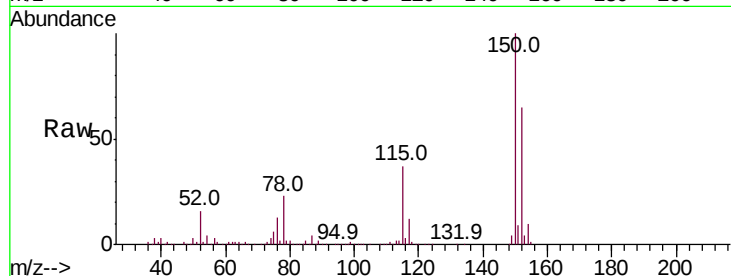


#1

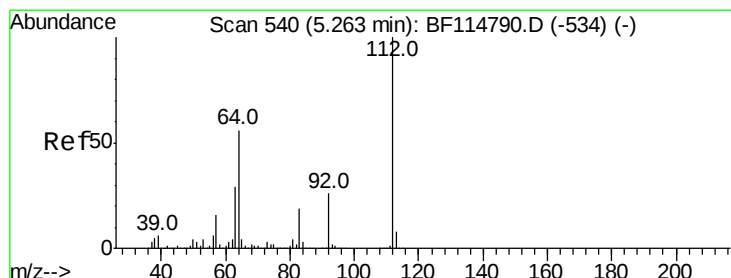
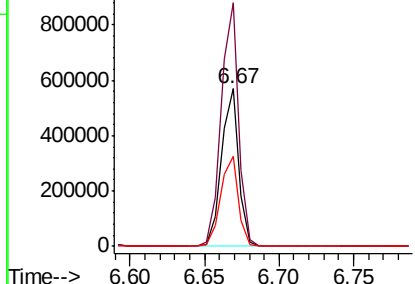
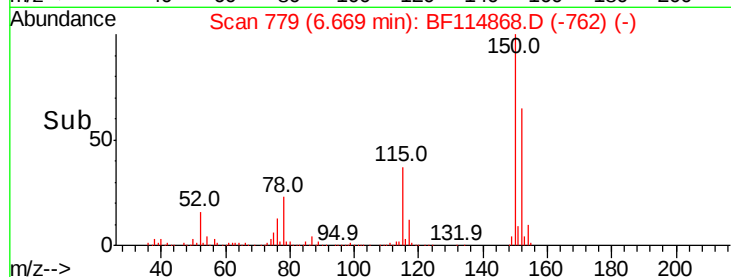
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

Tot Ion:152 Resp: 465373
Ion Ratio Lower Upper
152 100
150 154.4 124.0 186.0
115 56.9 46.3 69.5



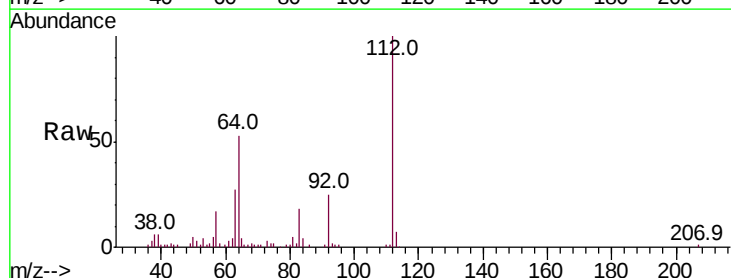
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



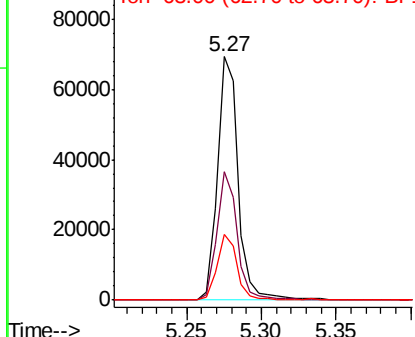
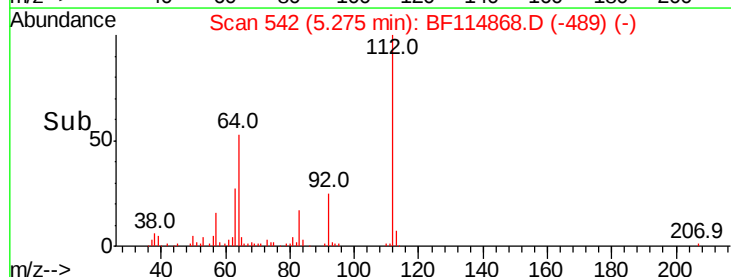
#5

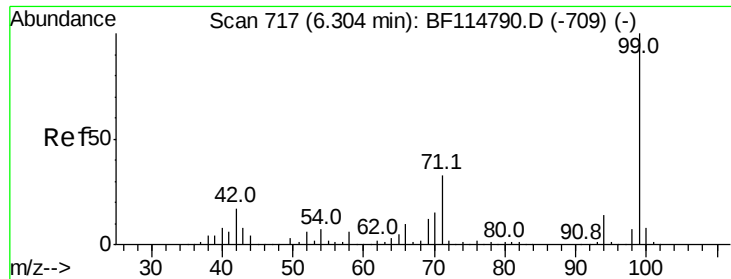
2-Fluorophenol
Concen: 2.530 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Tgt Ion:112 Resp: 67377
Ion Ratio Lower Upper
112 100
64 52.9 44.6 66.8
63 27.0 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: 18.592 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-2

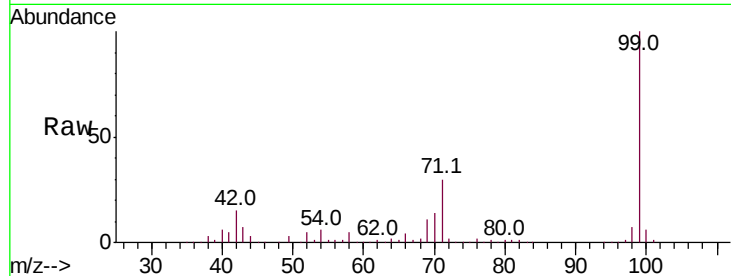
Tot Ion: 99 Resp: 602505

Ion Ratio Lower Upper

99 100

42 14.7 13.3 19.9

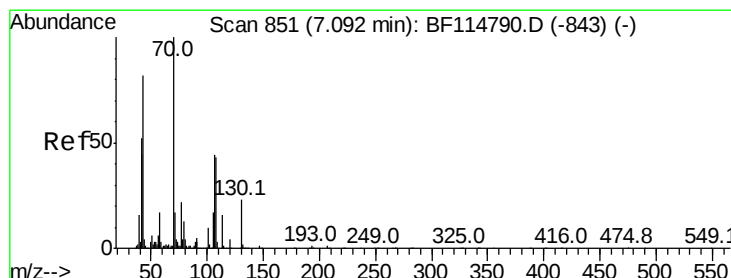
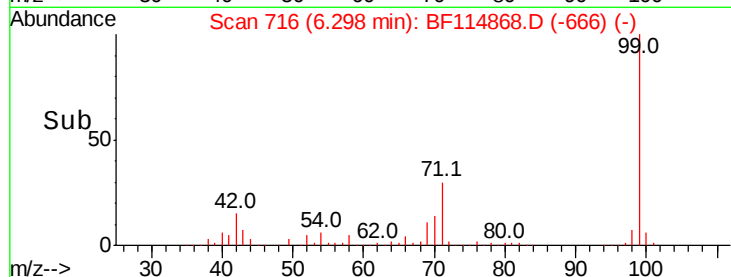
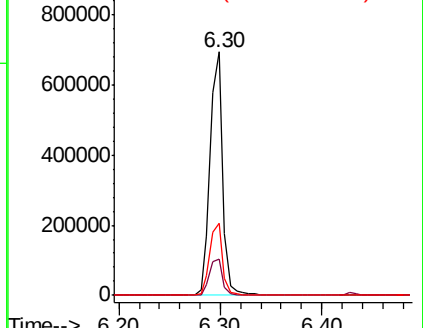
71 29.7 26.3 39.5



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: 10.707 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

Tgt Ion: 70 Resp: 229694

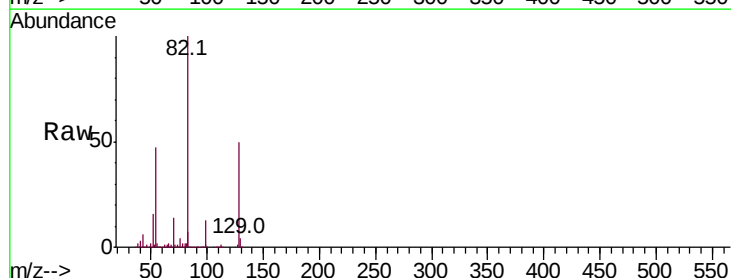
Ion Ratio Lower Upper

70 100

42 44.5 41.8 62.8

101 0.0 8.2 12.4#

130 2.5 18.5 27.7#

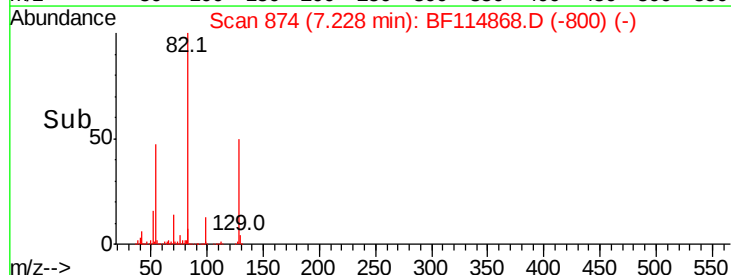
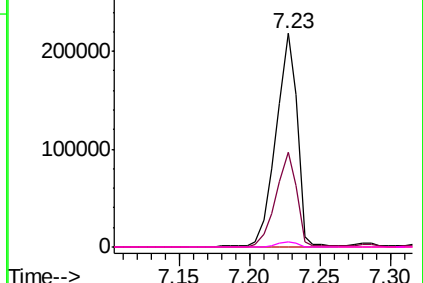


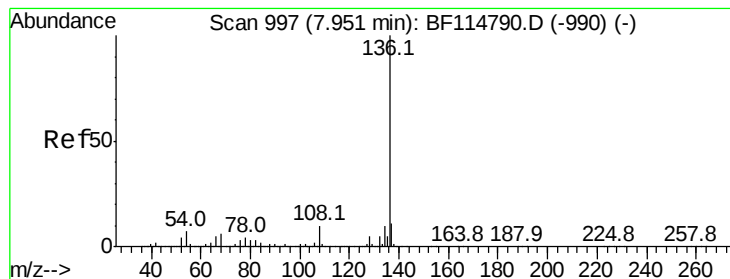
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 997

Delta R.T. 0.00 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

Instrument :

BNA_F

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CONCRETE-COMP-2

Tot Ion:136 Resp: 1820532

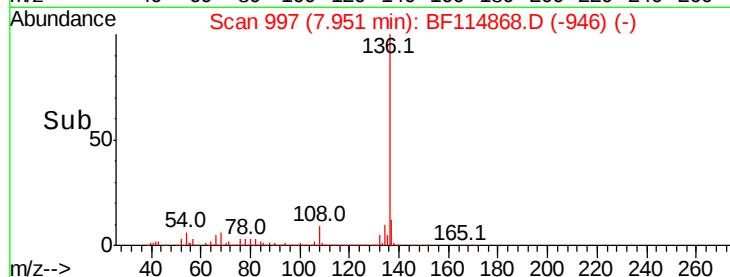
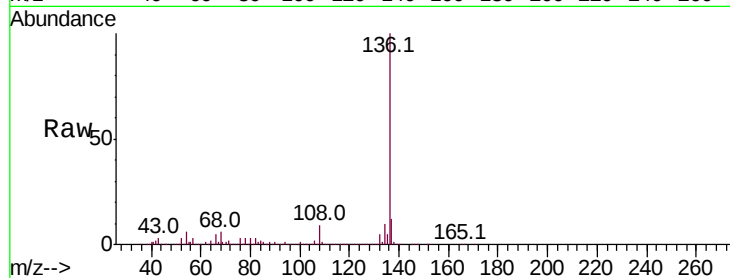
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 6.4 5.4 8.0

68 5.7 4.6 6.8

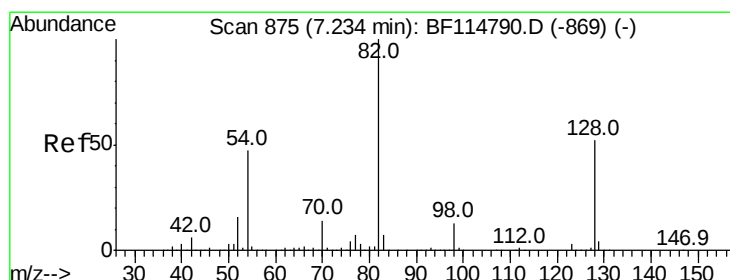
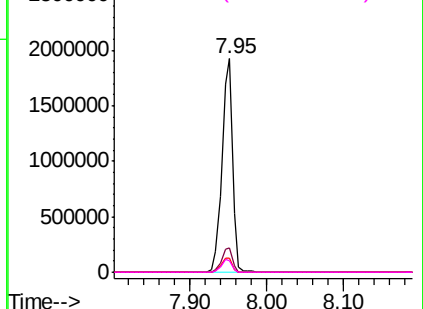


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.179 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

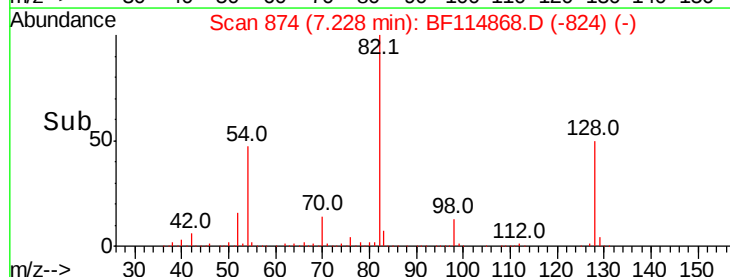
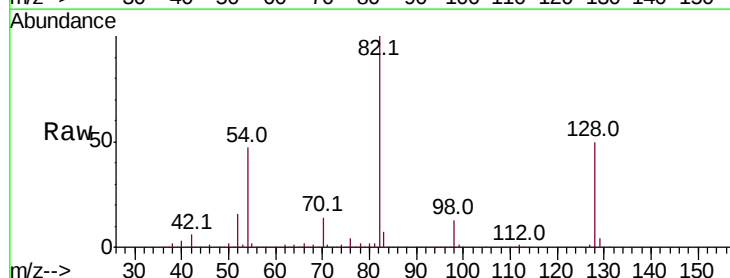
Tgt Ion: 82 Resp: 1720590

Ion Ratio Lower Upper

82 100

128 50.5 41.8 62.6

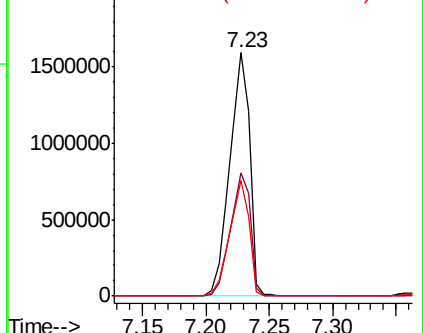
54 47.4 37.9 56.9

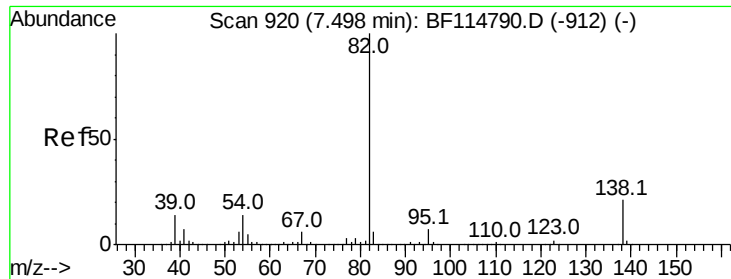


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 4.027 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

Instrument :

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ClientSampleId :

CONCRETE-COMP-2

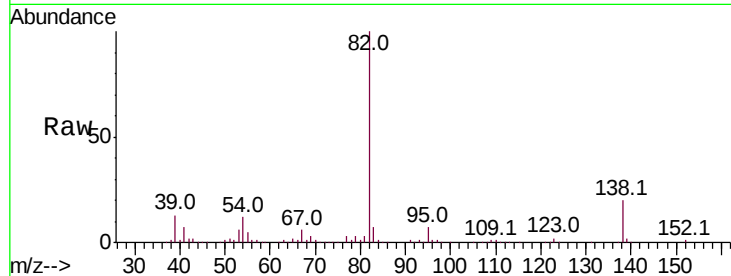
Tot Ion: 82 Resp: 235446

Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.8

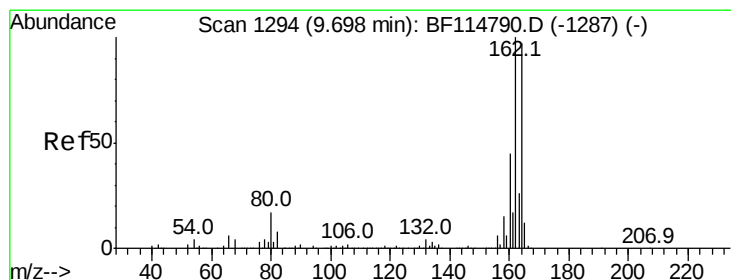
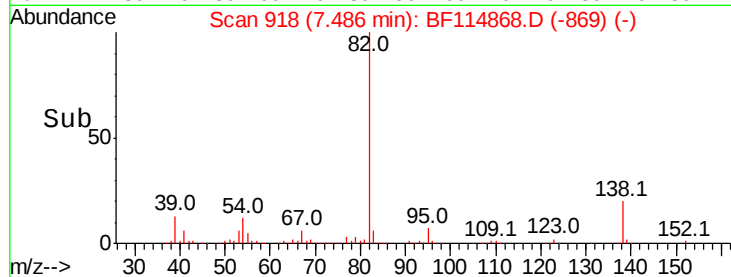
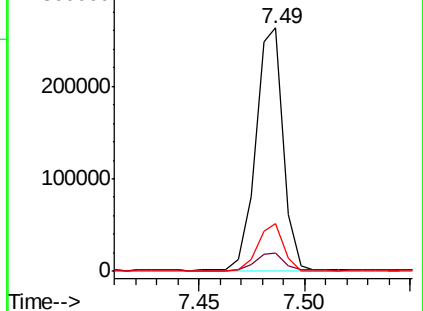
138 19.8 16.9 25.3



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: BF114868.D

Acq: 6 Jun 2019 18:04

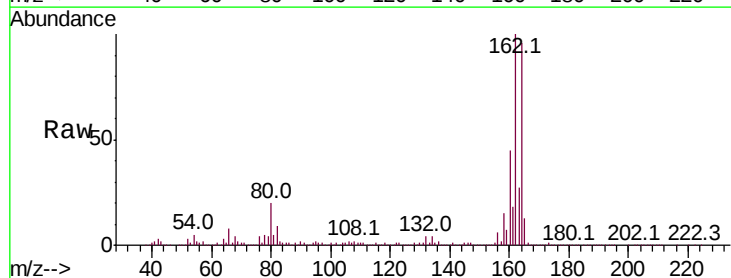
Tgt Ion:164 Resp: 898080

Ion Ratio Lower Upper

164 100

162 104.2 82.3 123.5

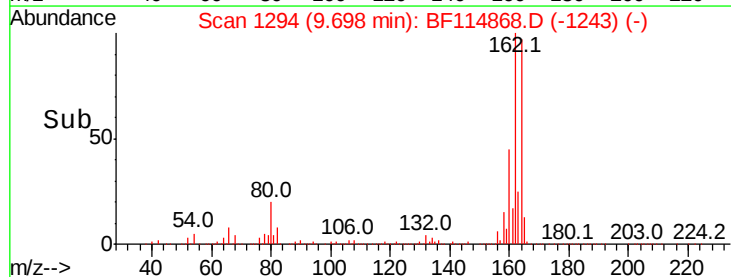
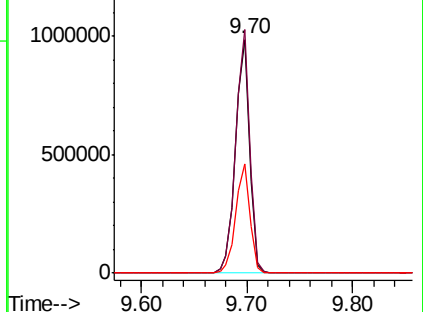
160 46.7 36.7 55.1

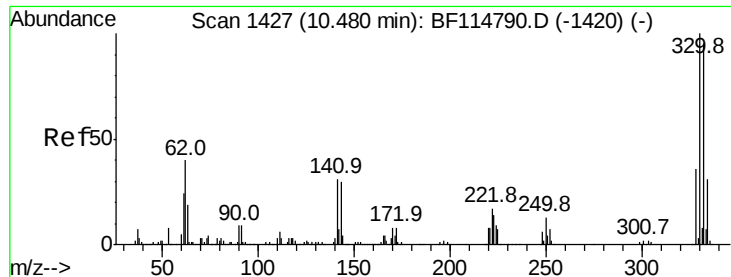


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 0.212 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

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CONCRETE-COMP-2

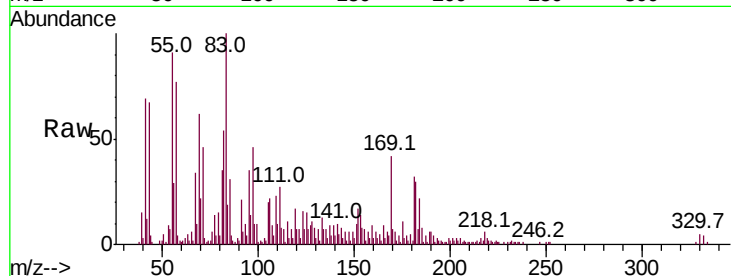
Tot Ion:330 Resp: 2056

Ion Ratio Lower Upper

330 100

332 90.4 77.3 115.9

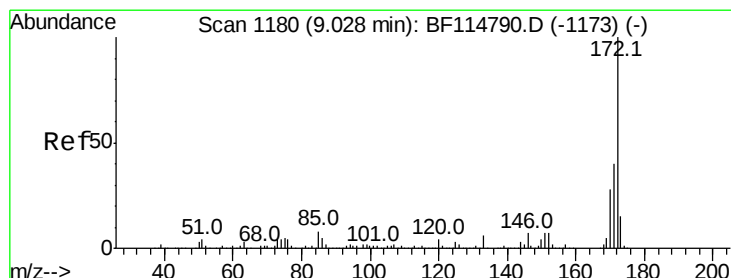
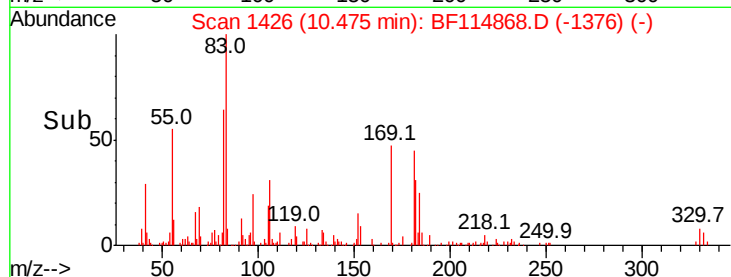
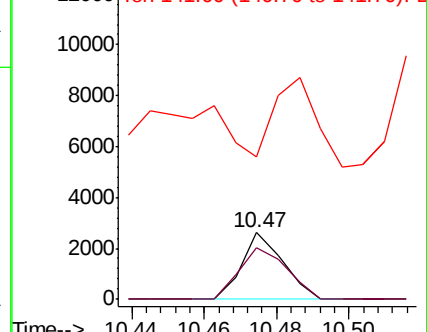
141 136.5 26.2 39.4#



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: 66.251 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

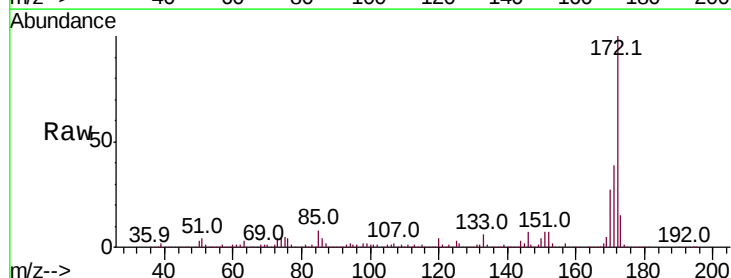
Tgt Ion:172 Resp: 3176197

Ion Ratio Lower Upper

172 100

171 39.2 32.3 48.5

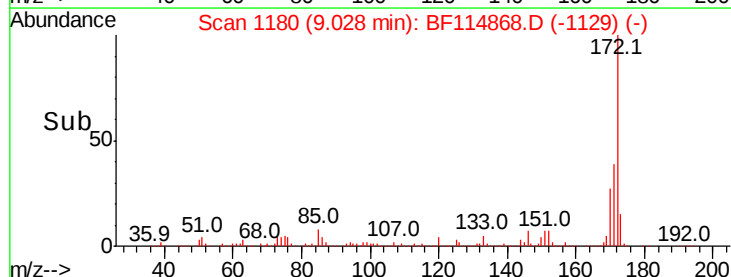
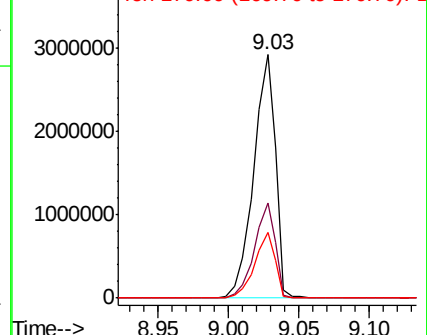
170 26.8 22.4 33.6

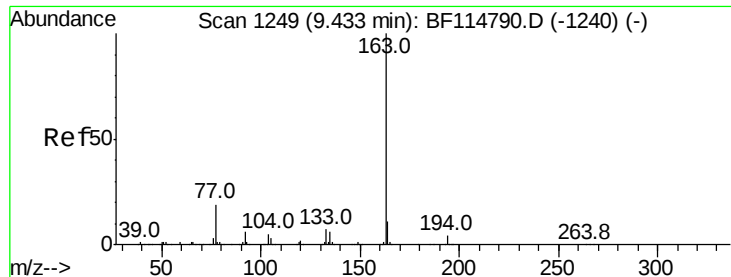


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.901 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

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CONCRETE-COMP-2

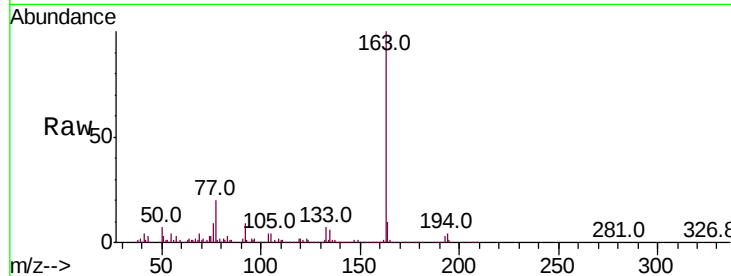
Tot Ion:163 Resp: 583858

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

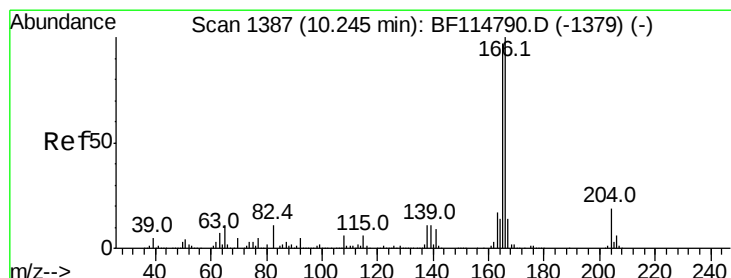
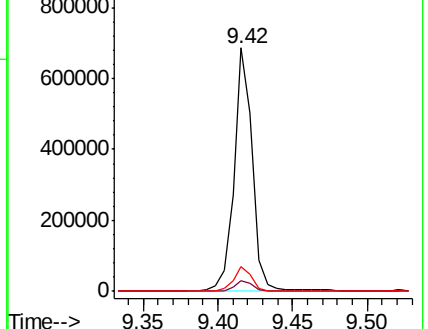
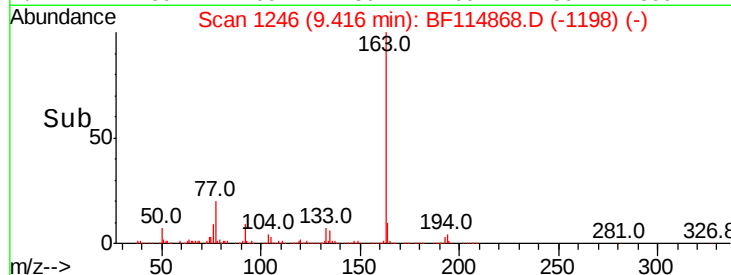
164 10.3 8.6 13.0



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



#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

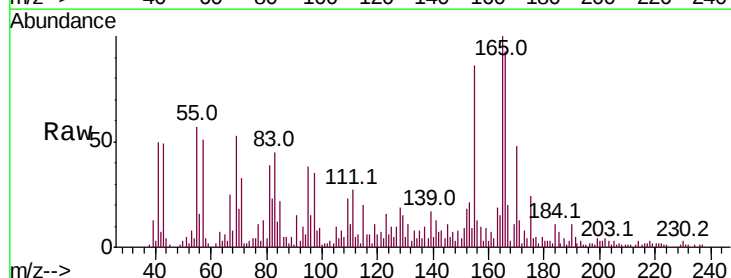
Tgt Ion:166 Resp: 38810

Ion Ratio Lower Upper

166 100

165 107.8 77.9 116.9

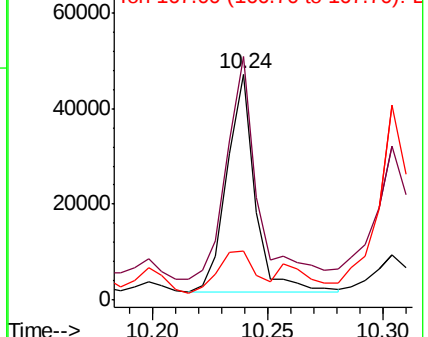
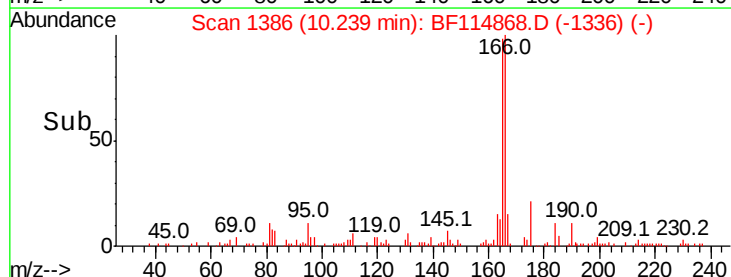
167 21.9 11.3 16.9#

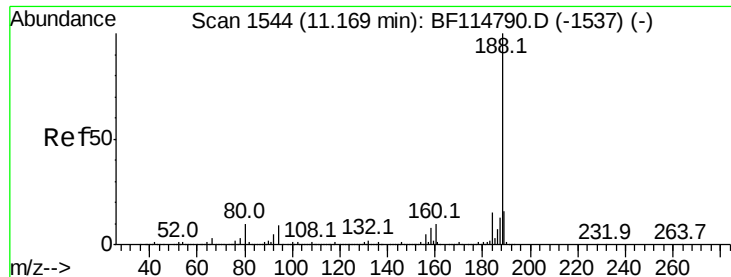


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF114868.D

Acq: 6 Jun 2019 18:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-2

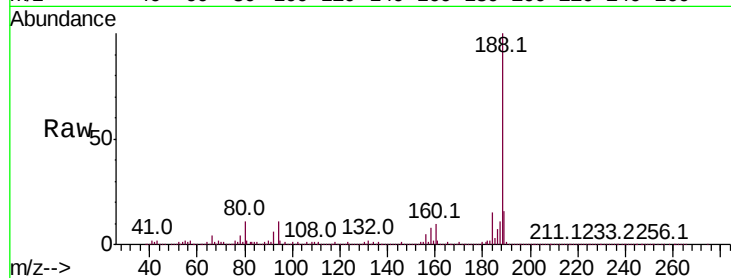
Tot Ion:188 Resp: 1612394

Ion Ratio Lower Upper

188 100

94 11.0 7.6 11.4

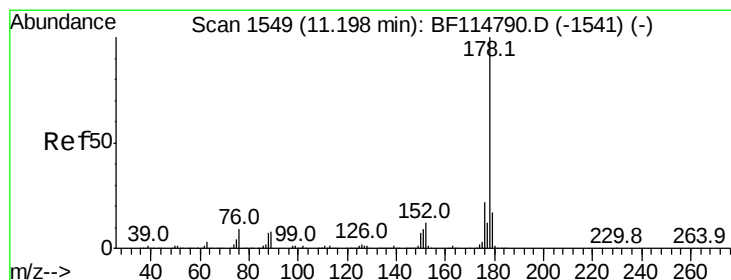
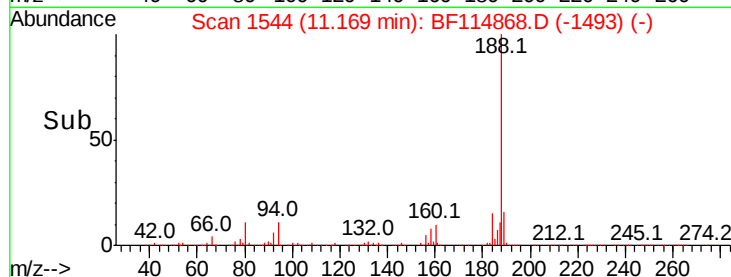
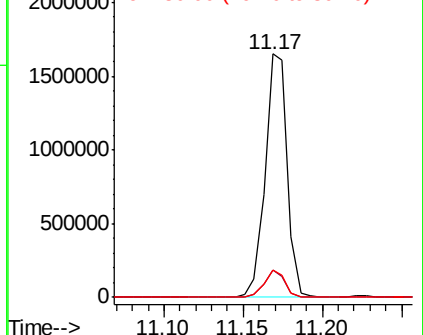
80 11.3 8.3 12.5



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



#71

Phenanthrene

Concen: 5.735 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

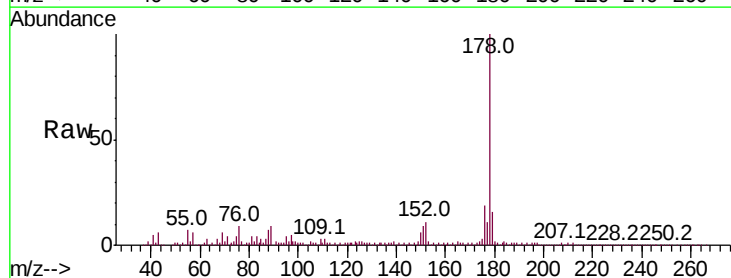
Tgt Ion:178 Resp: 441442

Ion Ratio Lower Upper

178 100

176 19.1 17.7 26.5

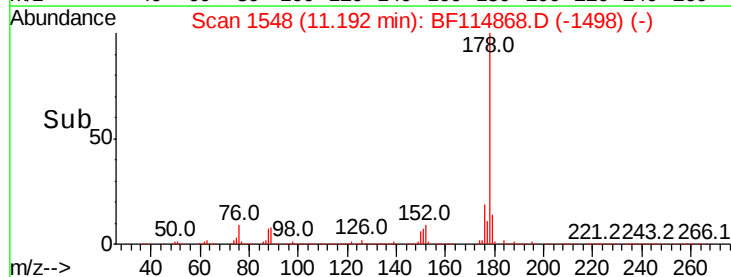
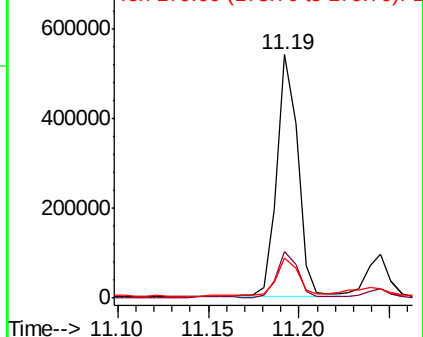
179 16.5 13.7 20.5

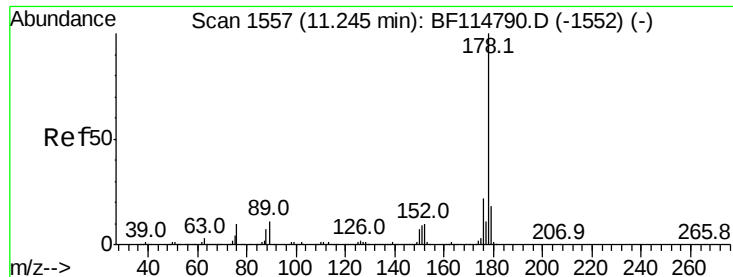


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.449 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.05 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-2

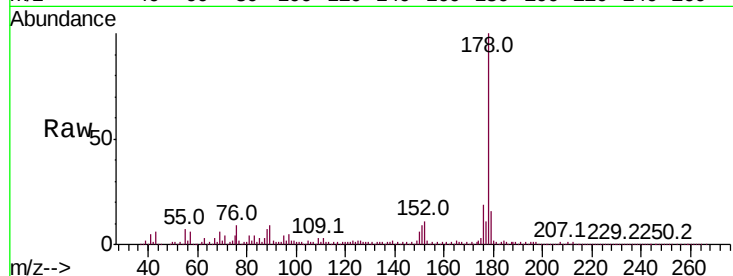
Tot Ion:178 Resp: 441442

Ion Ratio Lower Upper

178 100

176 19.1 17.4 26.0

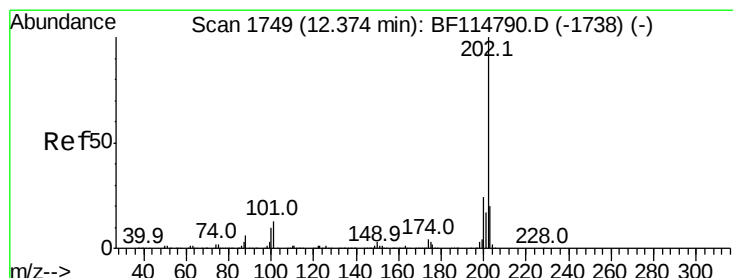
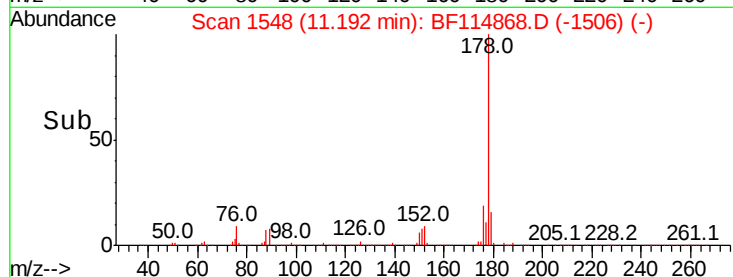
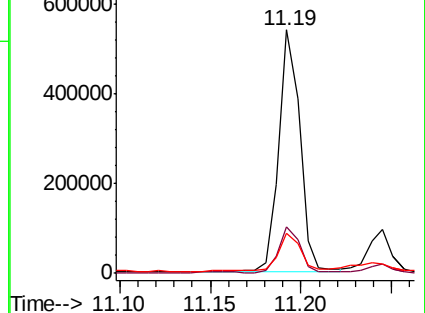
179 16.5 14.2 21.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.491 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114868.D

Acq: 6 Jun 2019 18:04

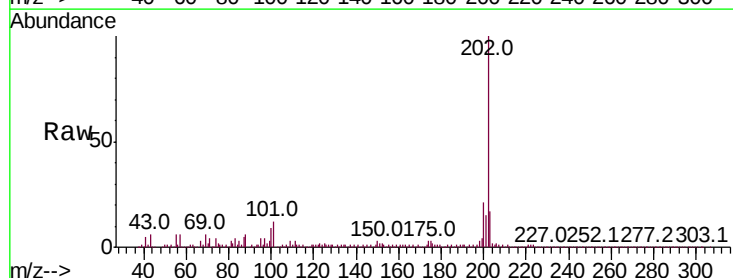
Tgt Ion:202 Resp: 520047

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.8

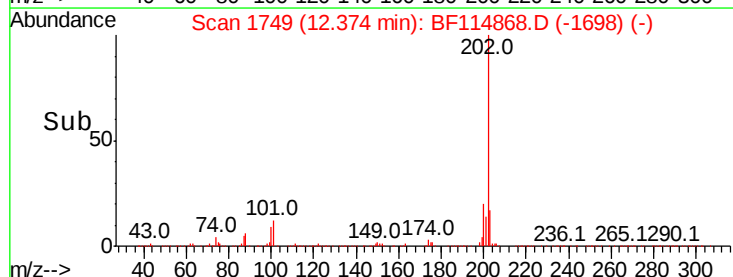
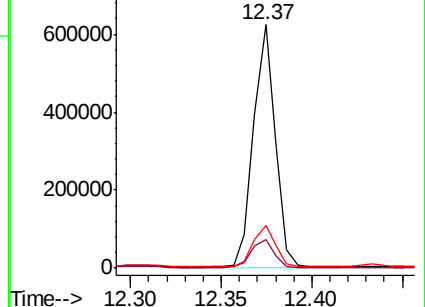
203 17.5 0.2 40.2

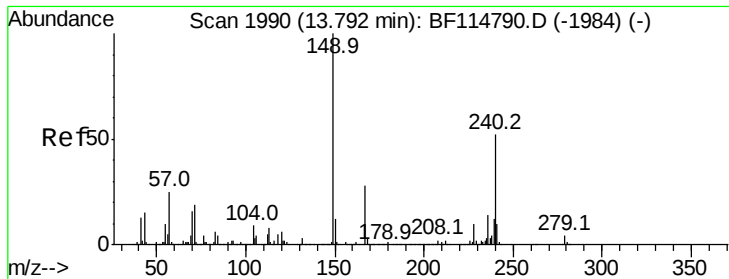


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

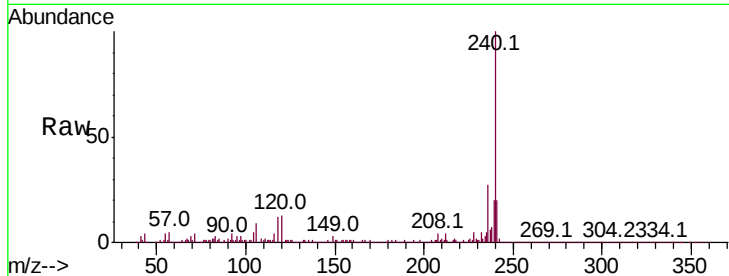




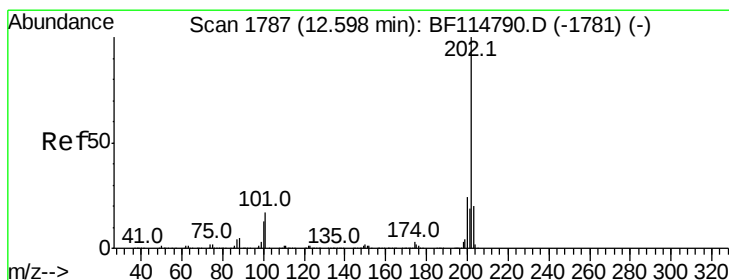
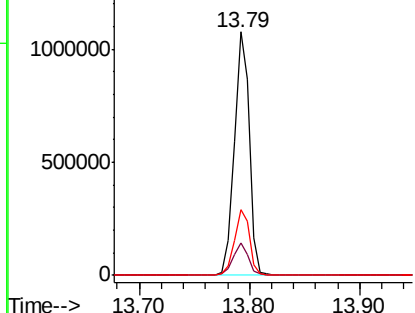
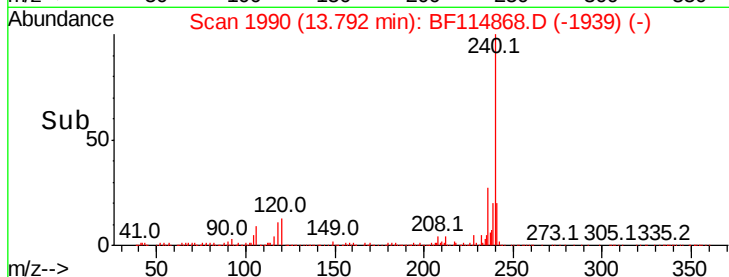
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

Tot Ion:240 Resp: 1024194
Ion Ratio Lower Upper
240 100
120 13.5 9.0 13.4#
236 27.1 21.4 32.0

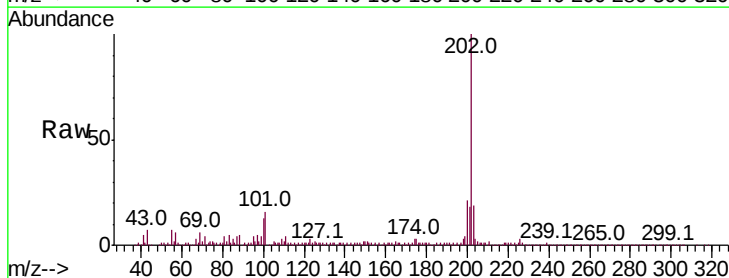


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

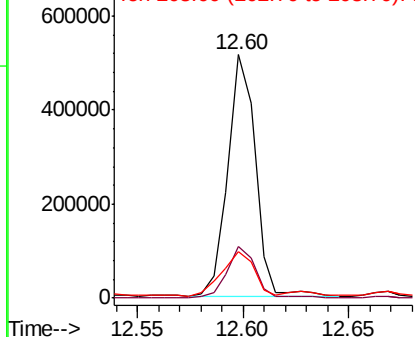
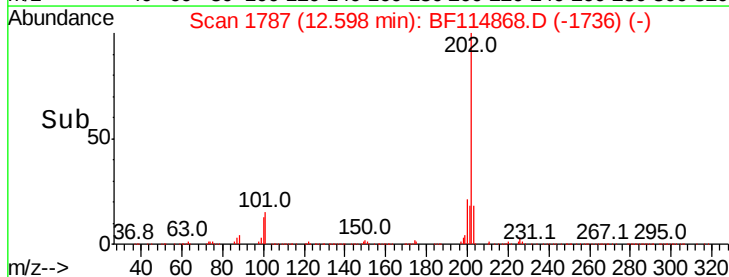


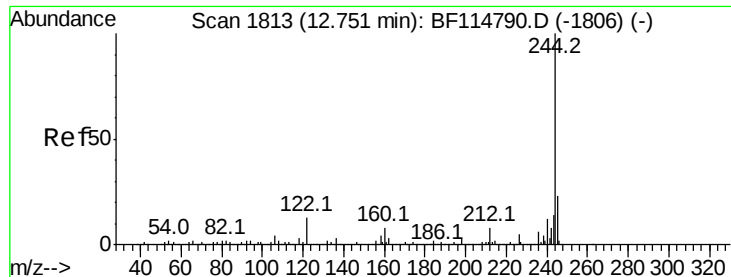
#78
Pyrene
Concen: 5.222 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Tgt Ion:202 Resp: 463937
Ion Ratio Lower Upper
202 100
200 21.3 19.2 28.8
203 19.2 15.9 23.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



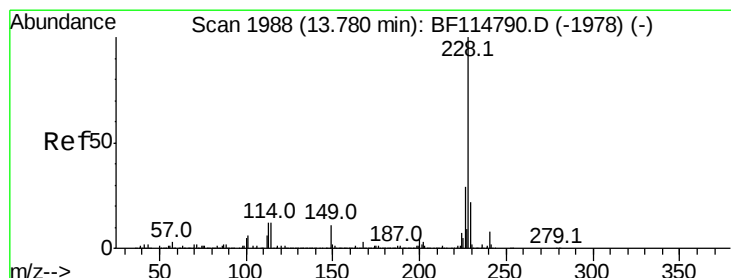
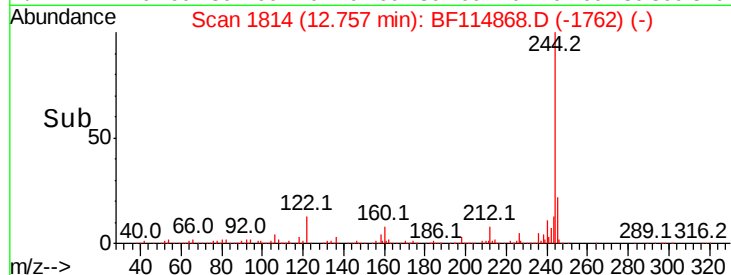
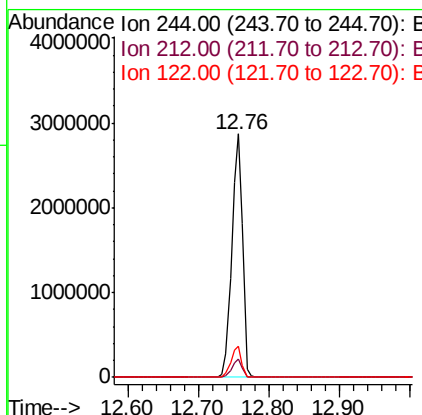
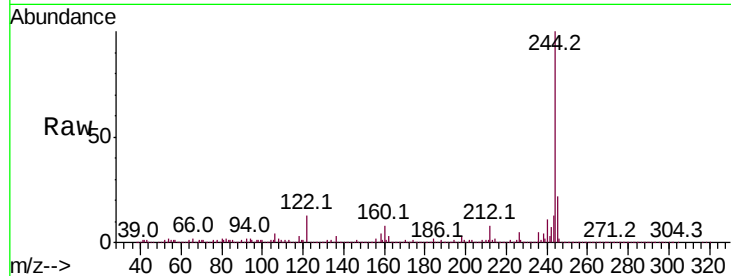


#79
 Terphenyl-d14
 Concen: 57.766 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114868.D
 Acq: 6 Jun 2019 18:04

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2

Tot Ion:244 Resp: 3042197

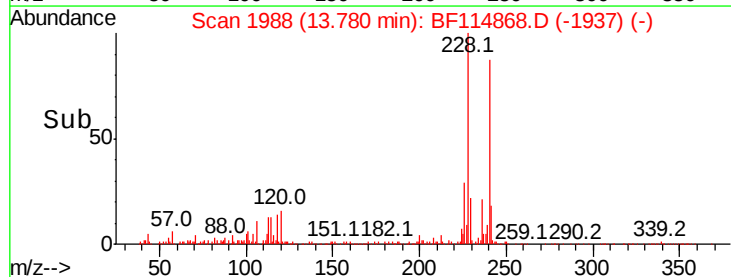
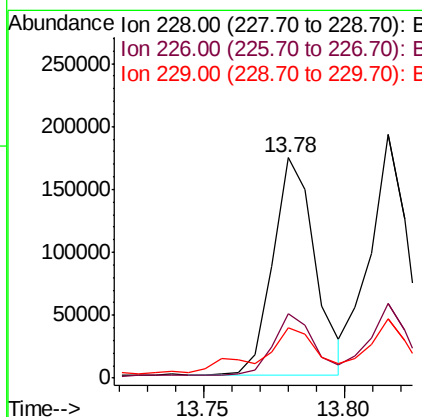
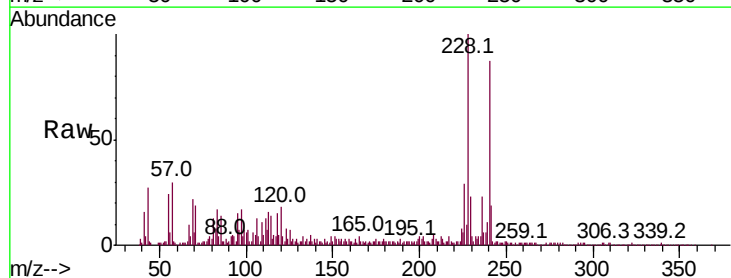
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	12.7	10.5	15.7

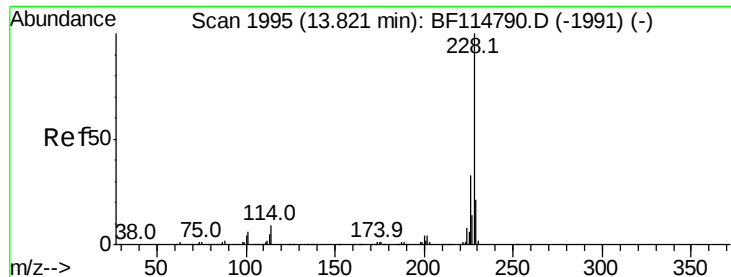


#81
 Benzo(a)anthracene
 Concen: 2.284 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BF114868.D
 Acq: 6 Jun 2019 18:04

Tgt Ion:228 Resp: 180232

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	23.1	17.4	26.0

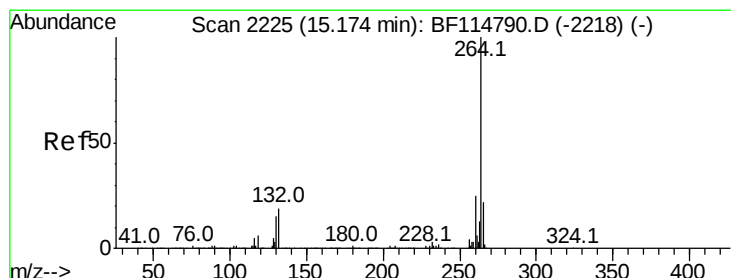
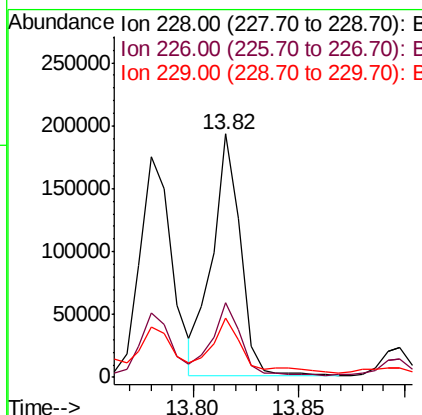
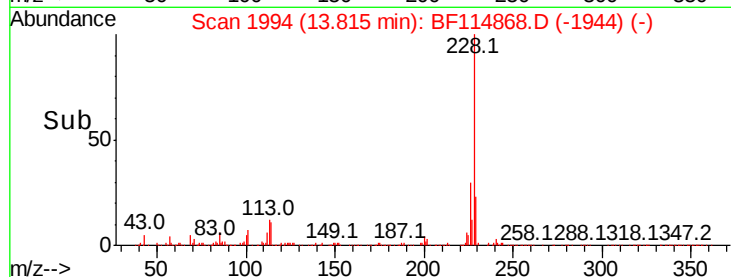
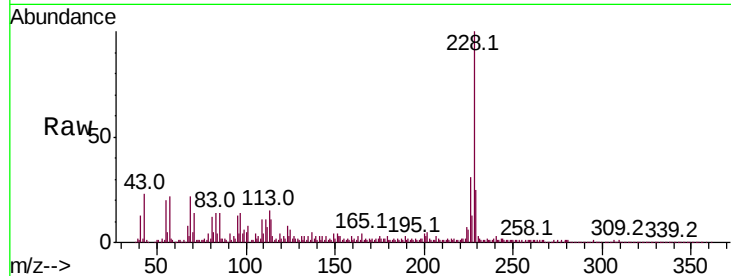




#83
Chrysene
Concen: 2.311 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

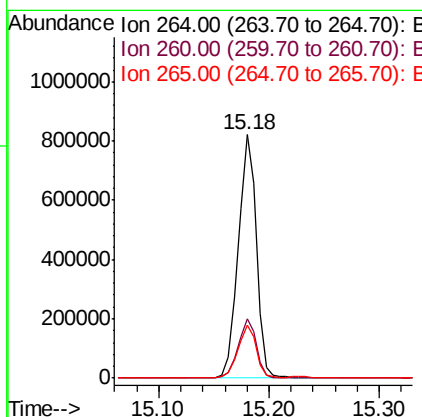
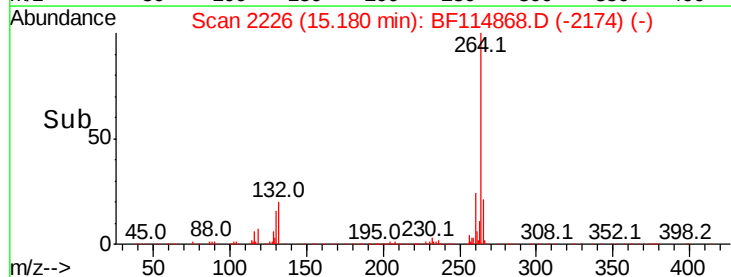
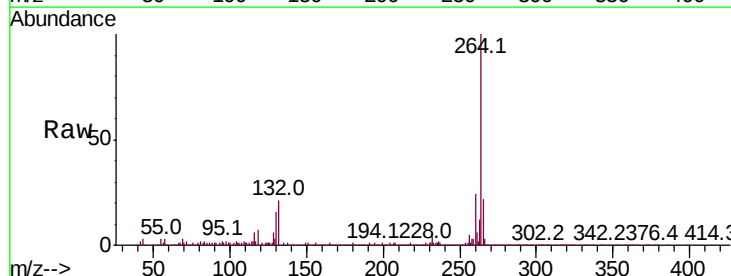
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

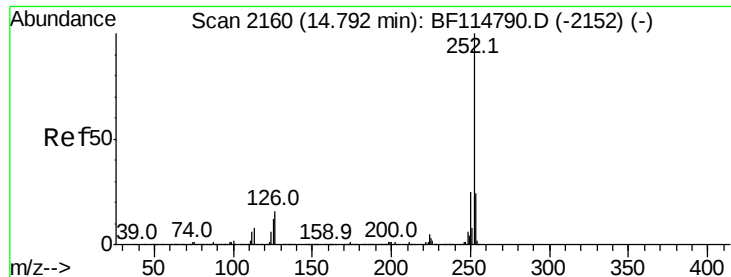
Tot Ion:228 Resp: 177420
Ion Ratio Lower Upper
228 100
226 30.8 26.0 39.0
229 24.6 17.1 25.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Tgt Ion:264 Resp: 948958
Ion Ratio Lower Upper
264 100
260 24.2 20.1 30.1
265 21.5 17.7 26.5

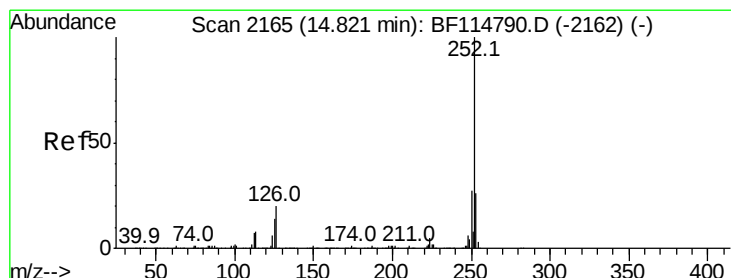
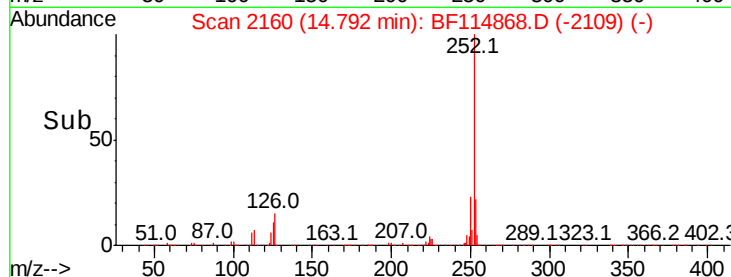
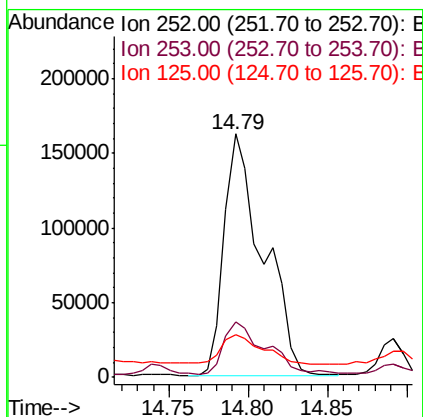
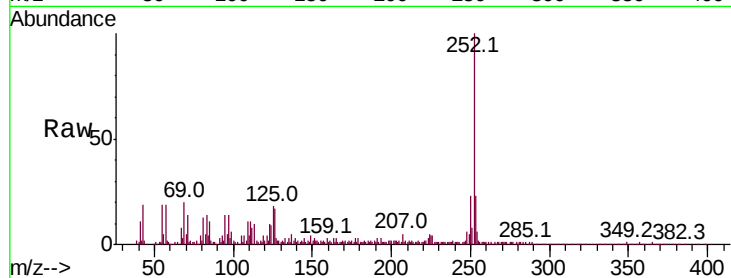




#88
Benzo(b)fluoranthene
Concen: 4.602 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

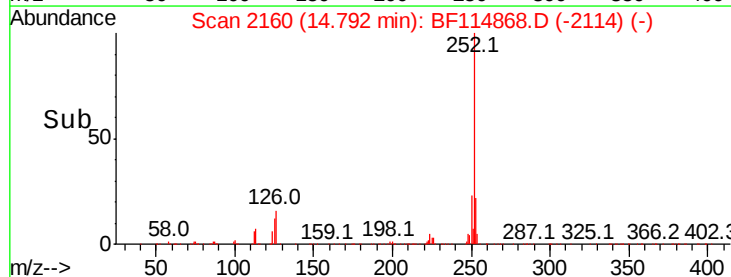
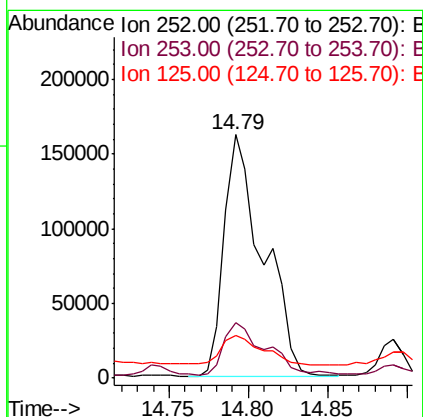
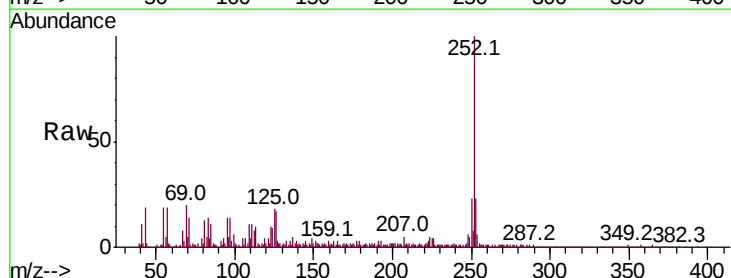
Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP-2

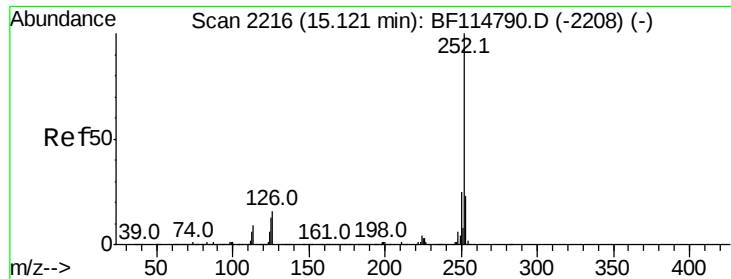
Tot Ion:252 Resp: 278028
Ion Ratio Lower Upper
252 100
253 22.8 19.0 28.6
125 17.6 9.4 14.0#



#89
Benzo(k)fluoranthene
Concen: 5.419 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BF114868.D
Acq: 6 Jun 2019 18:04

Tgt Ion:252 Resp: 278028
Ion Ratio Lower Upper
252 100
253 22.8 19.3 28.9
125 17.6 10.1 15.1#

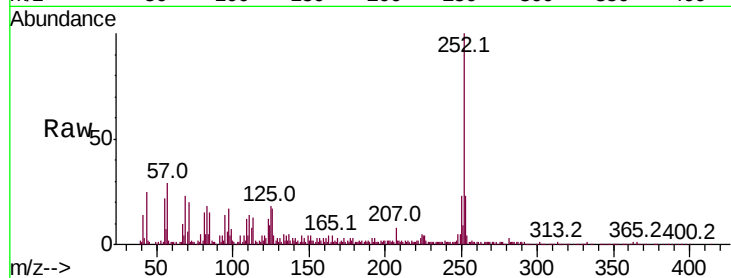




#90
 Benzo(a)pyrene
 Concen: 2.637 ng
 RT: 15.12 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: BF114868.D
 Acq: 6 Jun 2019 18:04

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	17.6	10.1	15.1



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

