

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114543.D
 Acq On : 24 May 2019 00:14
 Operator : JU/SJ
 Sample : K2753-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-5

Quant Time: May 24 07:21:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

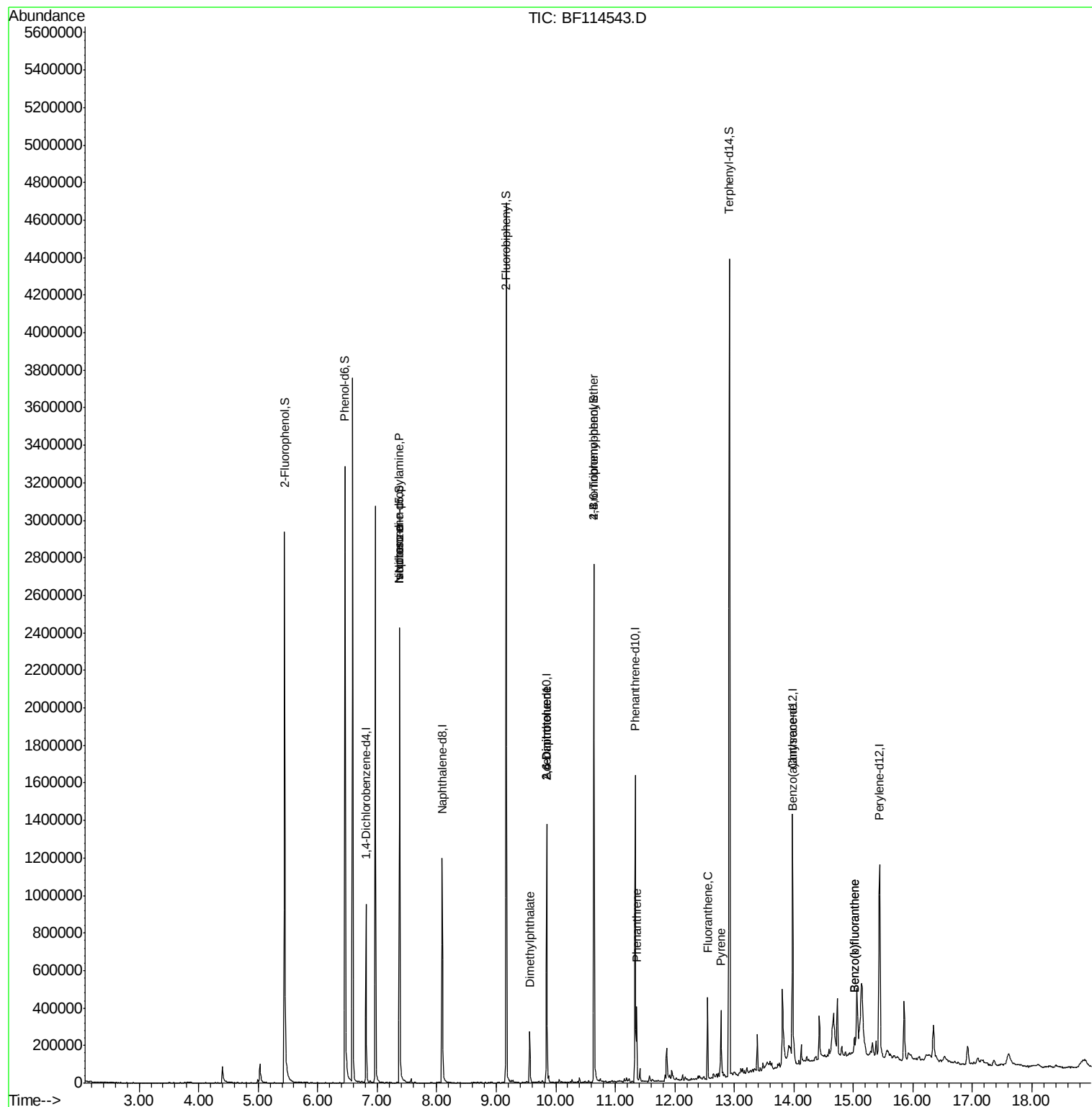
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139707	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	548993	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	269570	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	584477	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	421492	20.00	ng	-0.02
87) Perylene-d12	15.44	264	394448	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	922290	106.24	ng	-0.02
7) Phenol-d6	6.46	99	1222847	119.10	ng	-0.03
23) Nitrobenzene-d5	7.37	82	728055	74.42	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	319323	114.58	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1372546	77.02	ng	-0.02
79) Terphenyl-d14	12.92	244	1621540	79.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	95513	14.676	ng	# 77
25) Isophorone	7.37	82	728048	40.129	ng	# 64
50) Dimethylphthalate	9.56	163	109015	5.509	ng	98
51) 2,6-Dinitrotoluene	9.85	165	34662	7.897	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	34662	5.818	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	20701	3.217	ng	# 1
71) Phenanthrene	11.36	178	140726	4.949	ng	96
75) Fluoranthene	12.55	202	171258	5.593	ng	98
78) Pyrene	12.78	202	145826	4.301	ng	98
81) Benzo(a)anthracene	13.97	228	59406	2.179	ng	97
88) Benzo(b)fluoranthene	15.02	252	69546	2.752	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	69546	2.996	ng	# 96

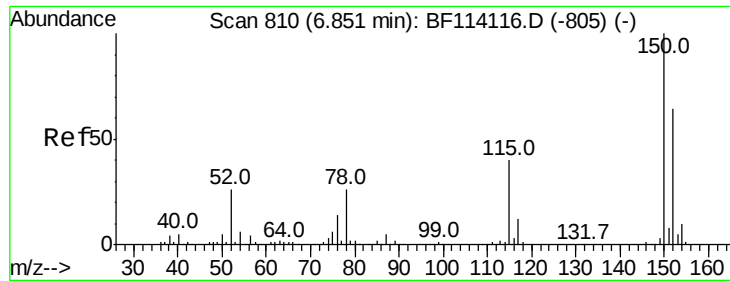
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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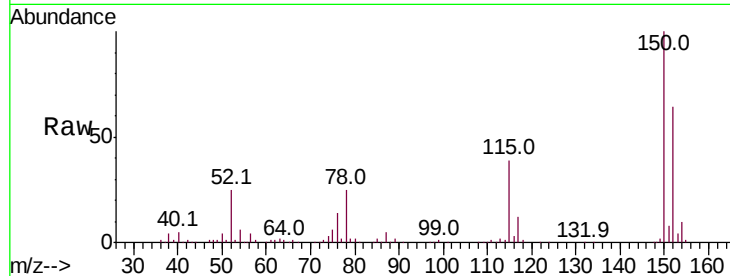


#1

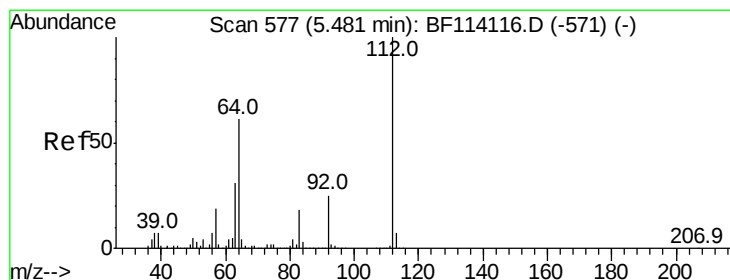
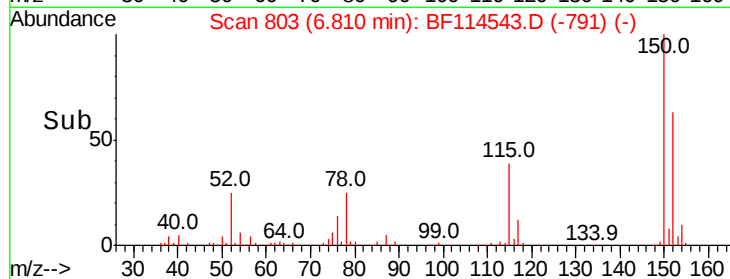
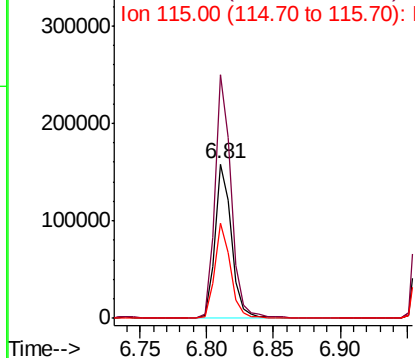
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-5

Tot Ion:152 Resp: 139707
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 61.5 49.1 73.7



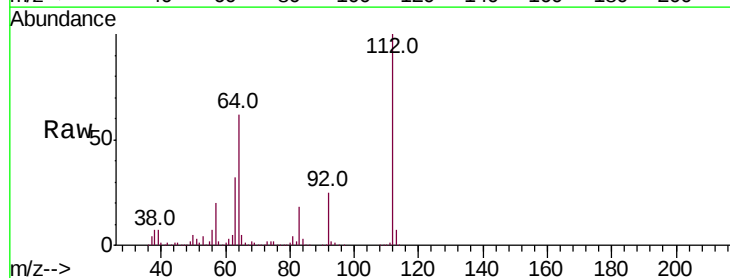
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



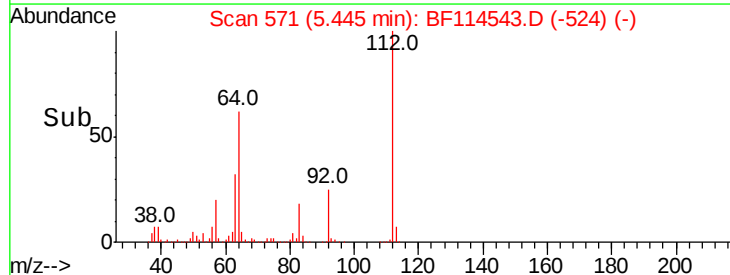
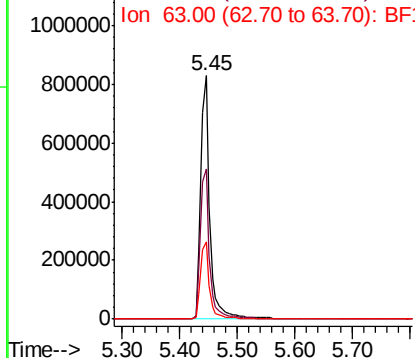
#5

2-Fluorophenol
Concen: 106.237 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:112 Resp: 922290
Ion Ratio Lower Upper
112 100
64 61.7 49.0 73.6
63 31.9 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: 119.095 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

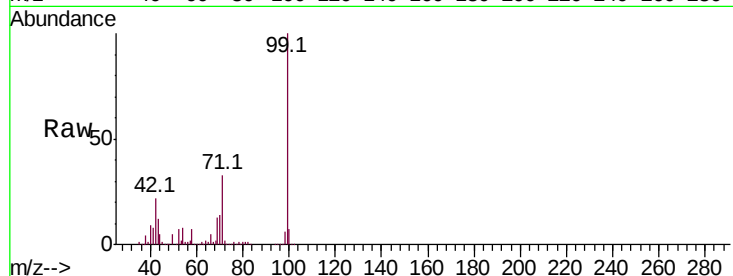
BNA_F

ClientSampleId :

CONCRETE-5

Tot Ion: 99 Resp: 1222847

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.9	26.9
71	33.5	26.2	39.2

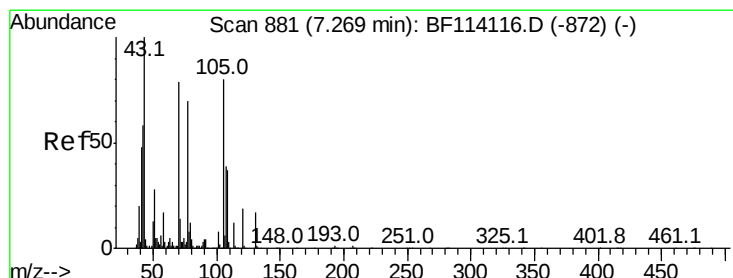
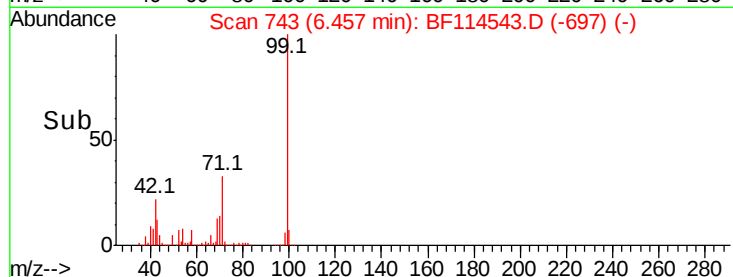
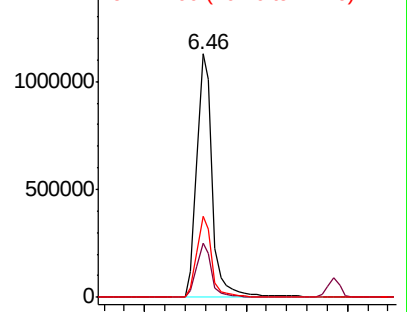


Abundance

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: 14.676 ng

RT: 7.37 min Scan# 899

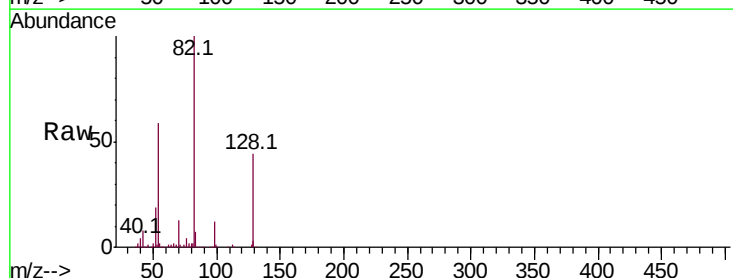
Delta R.T. 0.12 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Tgt Ion: 70 Resp: 95513

Ion	Ratio	Lower	Upper
70	100		
42	58.6	58.6	87.8
101	0.0	7.8	11.8#
130	2.1	17.1	25.7#



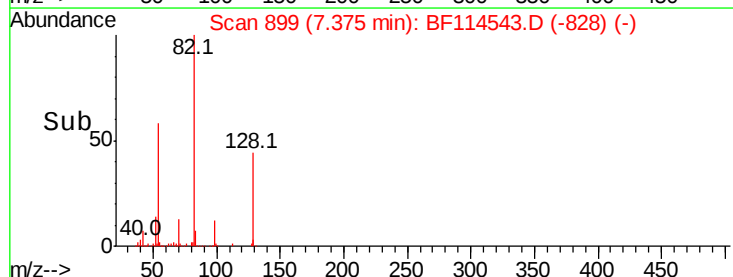
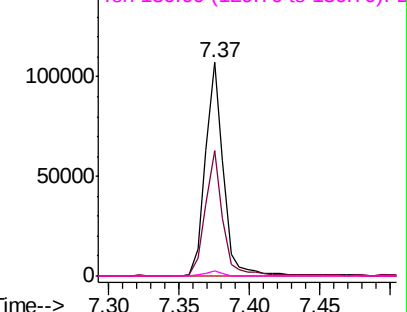
Abundance

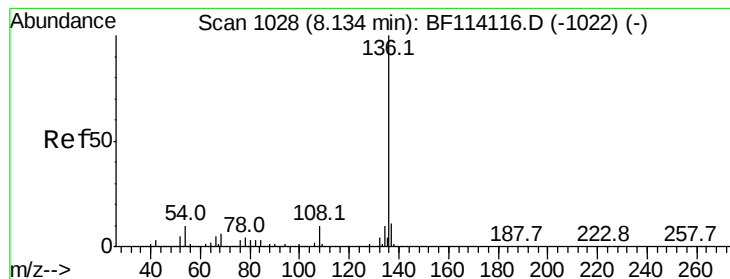
Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-5

Tot Ion:136 Resp: 548993

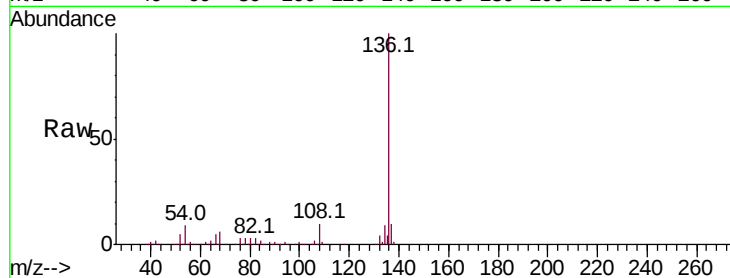
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 9.1 7.8 11.8

68 5.7 5.1 7.7

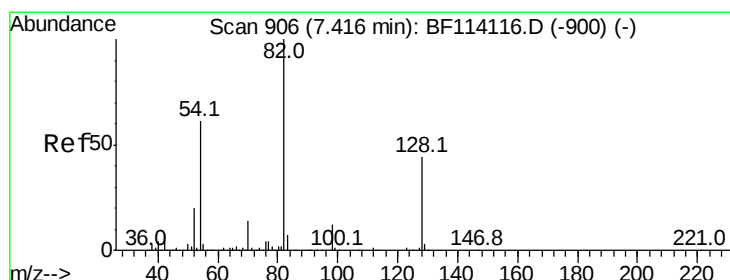
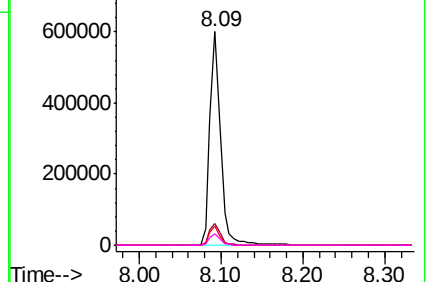
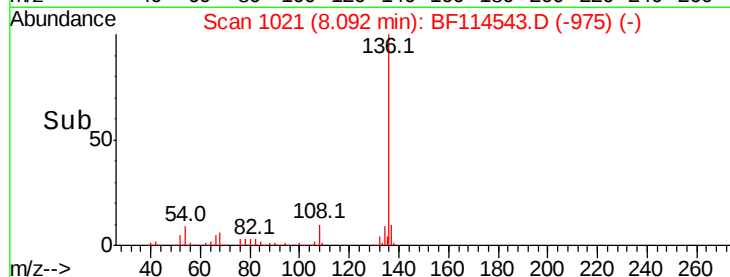


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.424 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

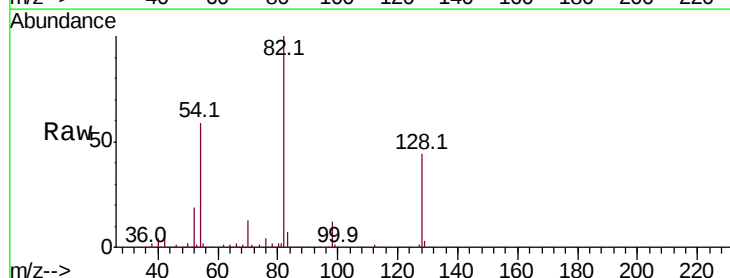
Tgt Ion: 82 Resp: 728055

Ion Ratio Lower Upper

82 100

128 44.1 35.5 53.3

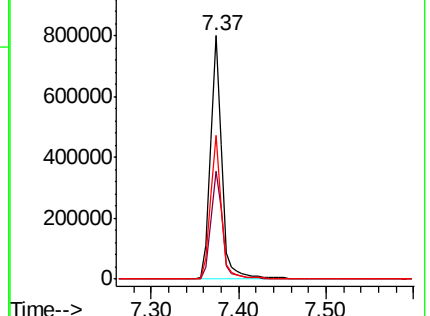
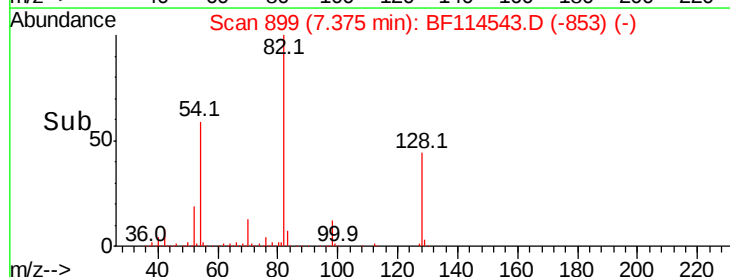
54 59.1 48.5 72.7



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: 40.129 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-5

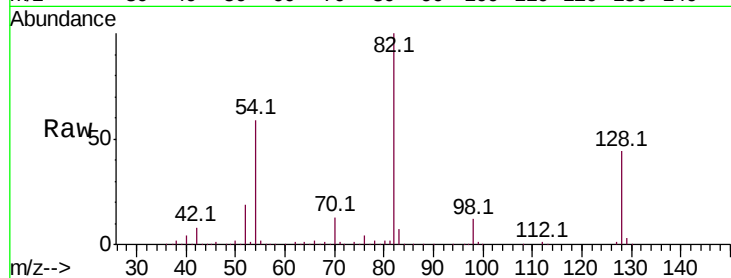
Tot Ion: 82 Resp: 728048

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

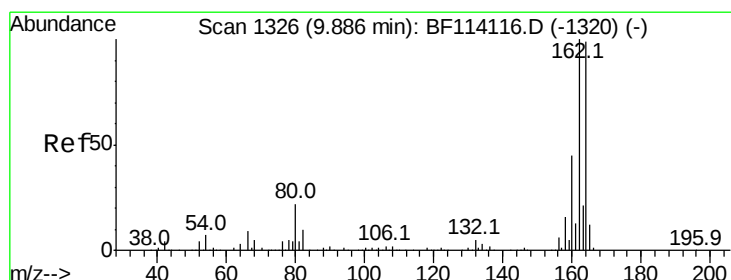
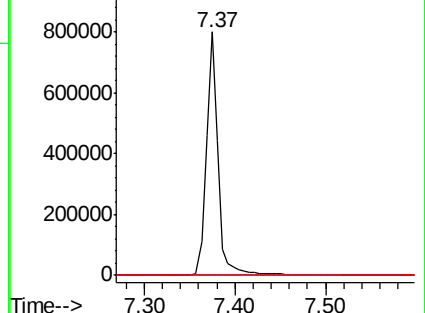
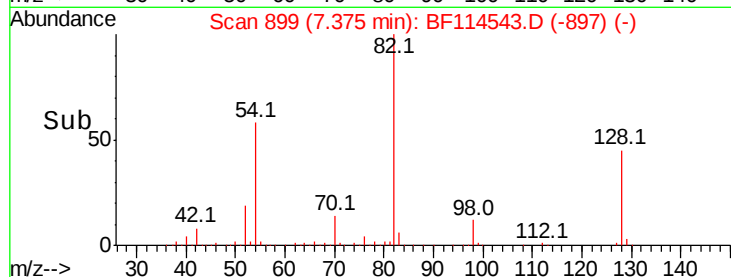
138 0.0 14.8 22.2#



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: 9.85 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

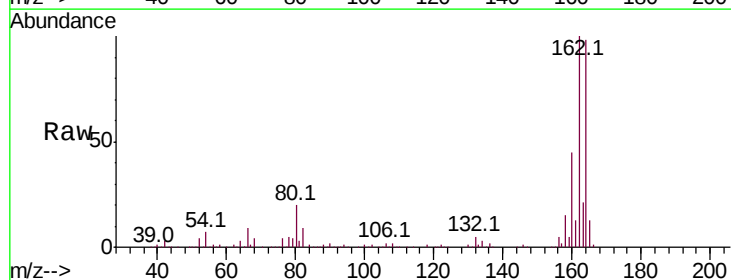
Tgt Ion:164 Resp: 269570

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

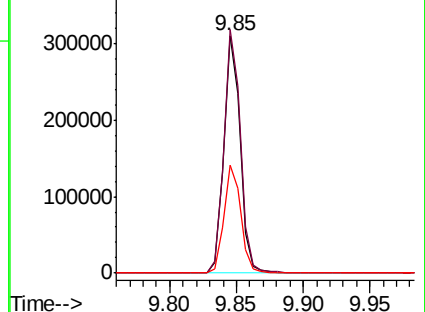
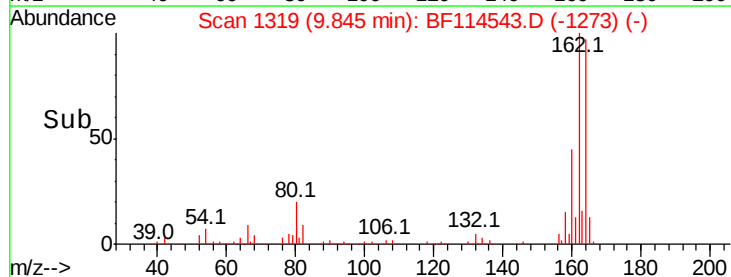
160 45.6 36.5 54.7



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

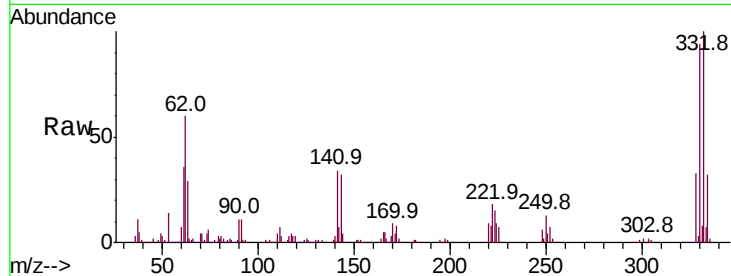




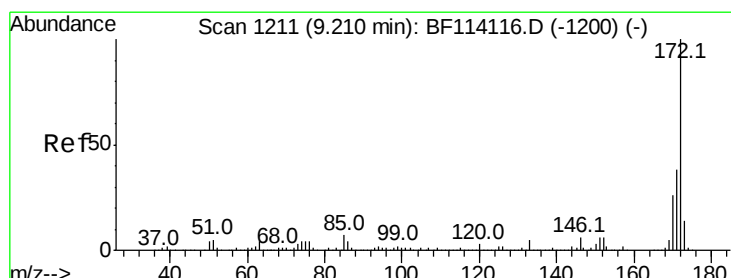
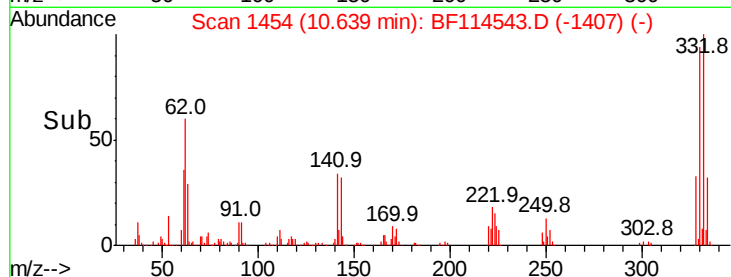
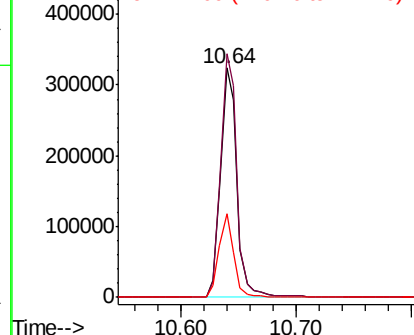
#42
 2,4,6-Tribromophenol
 Concen: 114.580 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-5

Tot Ion:330 Resp: 319323
 Ion Ratio Lower Upper
 330 100
 332 105.1 81.4 122.2
 141 33.8 26.6 40.0

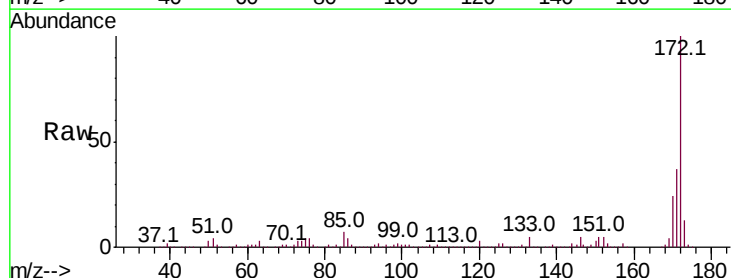


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

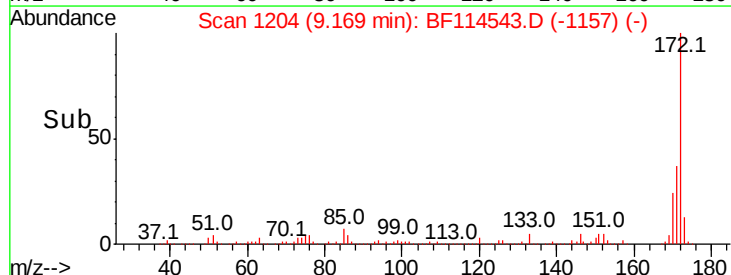
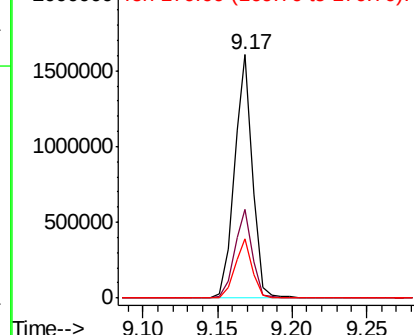


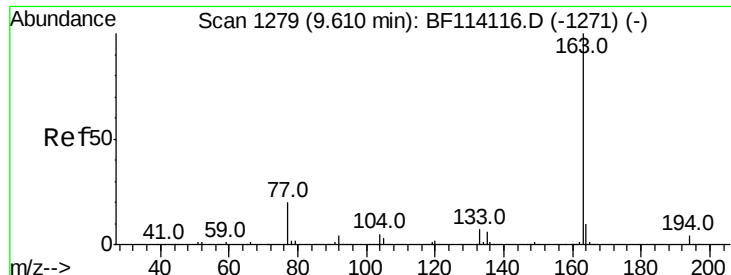
#45
 2-Fluorobiphenyl
 Concen: 77.019 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Tgt Ion:172 Resp: 1372546
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.7 46.1
 170 24.4 20.5 30.7



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

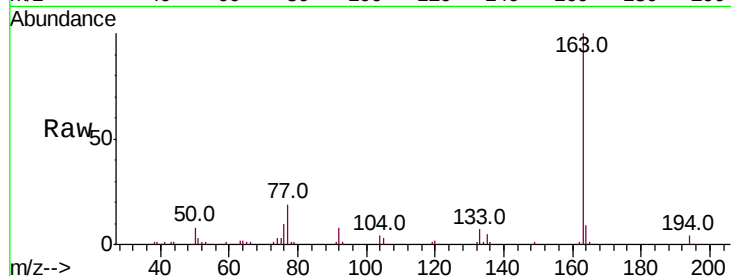




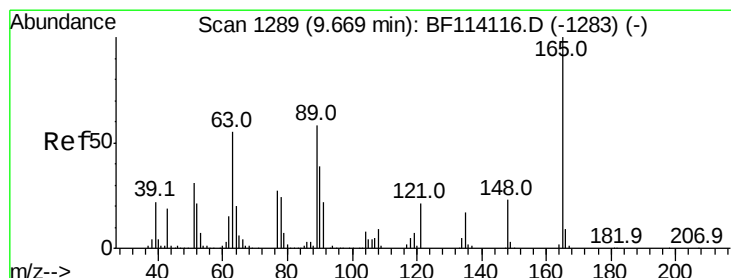
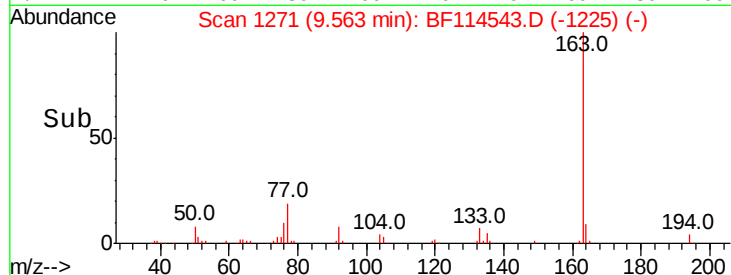
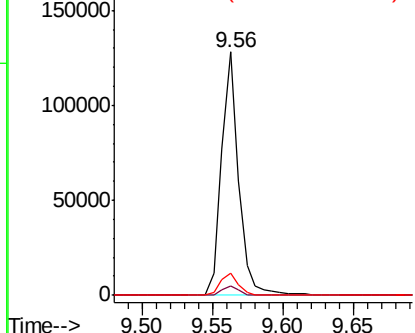
#50
Dimethylphthalate
Concen: 5.509 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-5

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	9.3	8.2	12.2

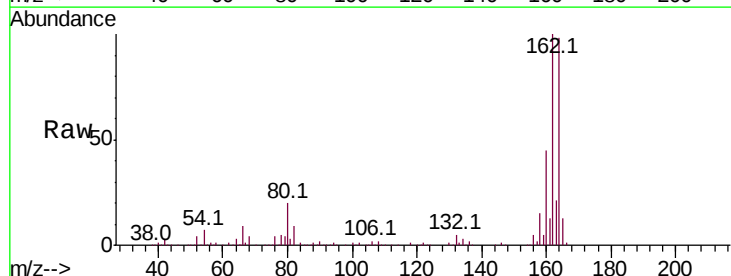


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

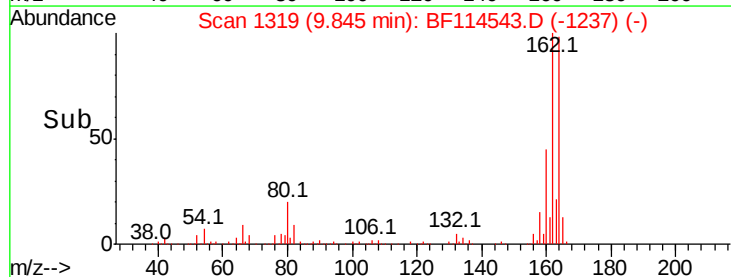
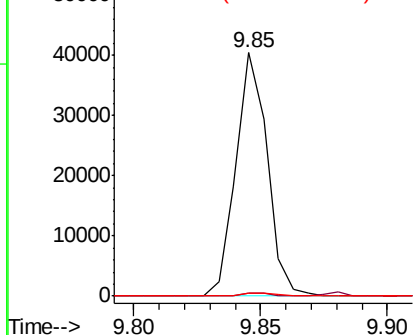


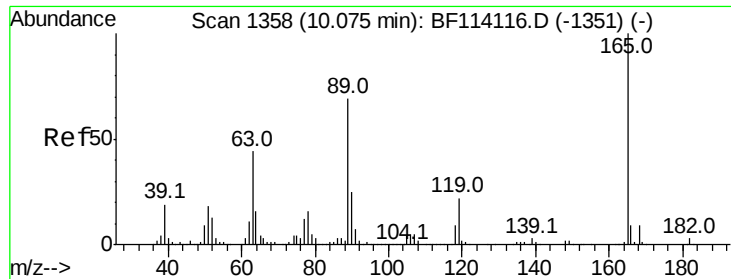
#51
2,6-Dinitrotoluene
Concen: 7.897 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.18 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	50.2	75.4#
89	1.3	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: 5.818 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.22 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-5

Tot Ion:165 Resp: 34662

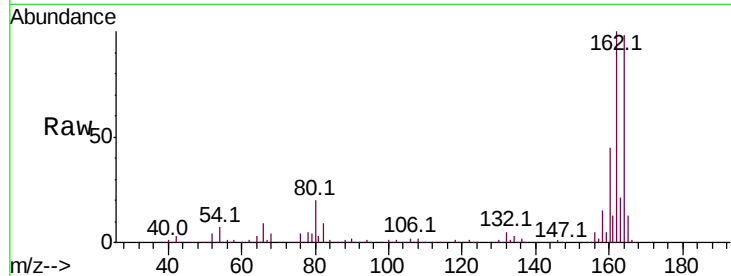
Ion Ratio Lower Upper

165 100

63 1.0 35.5 53.3#

89 1.3 55.2 82.8#

182 0.0 2.2 3.2#

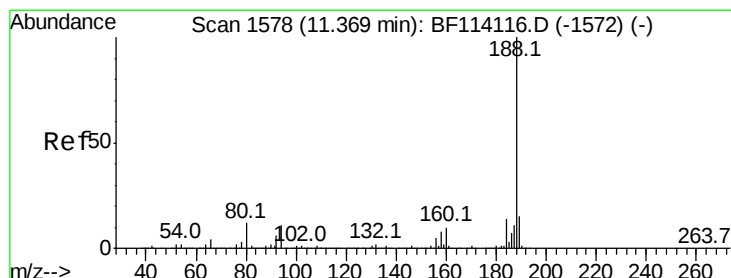
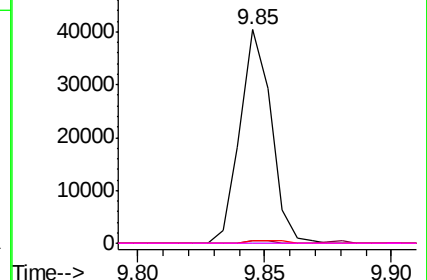
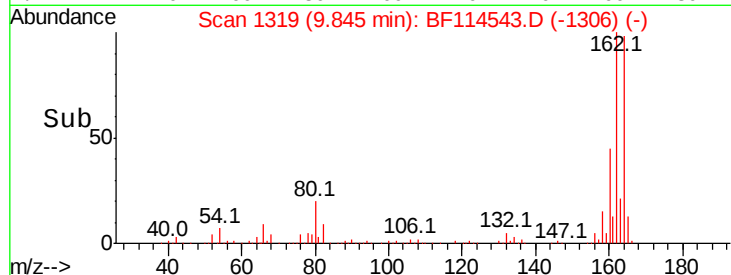


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

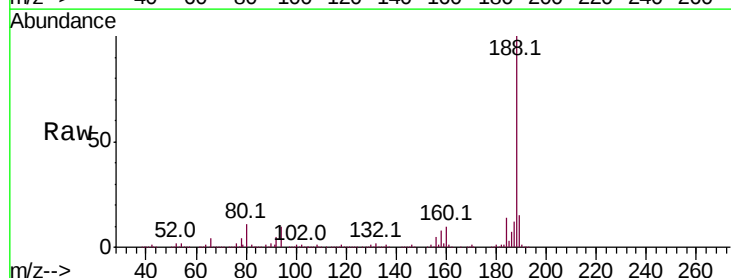
Tgt Ion:188 Resp: 584477

Ion Ratio Lower Upper

188 100

94 10.2 8.4 12.6

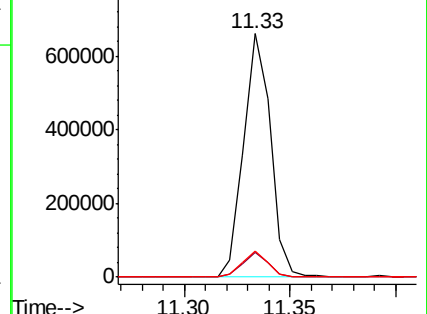
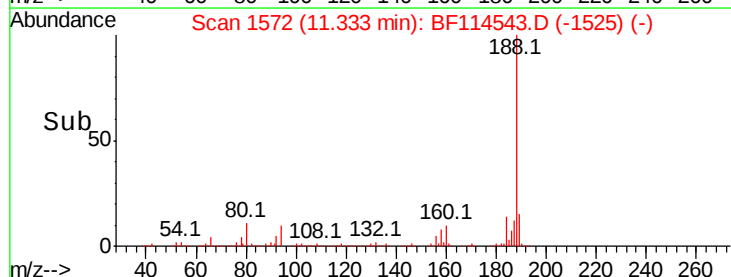
80 10.6 9.2 13.8

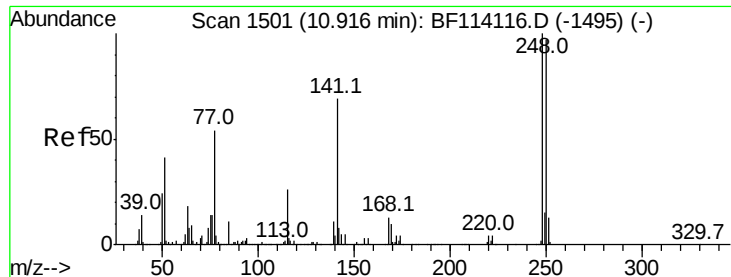


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

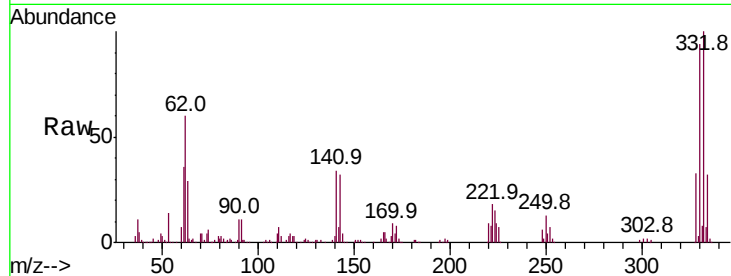




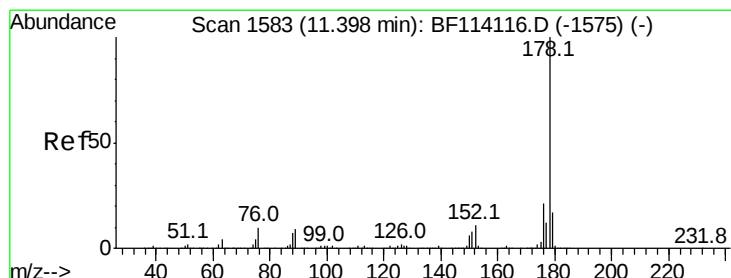
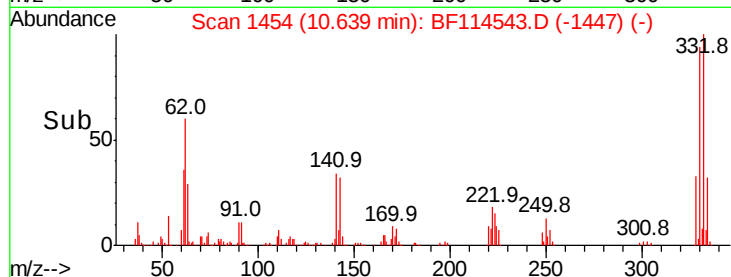
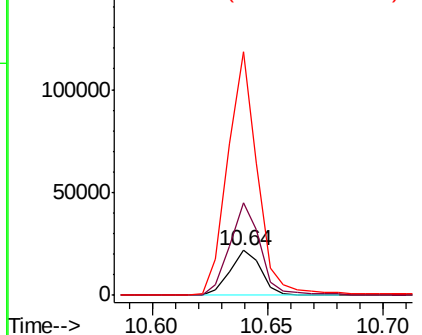
#67
 4-Bromophenyl-phenylether
 Concen: 3.217 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.26 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-5

Tot Ion:248 Resp: 20701
 Ion Ratio Lower Upper
 248 100
 250 206.6 77.4 116.2#
 141 540.6 55.6 83.4#

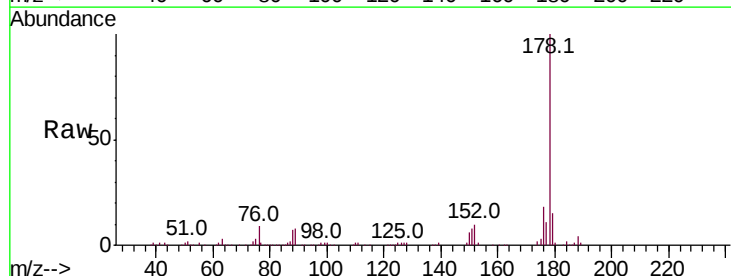


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

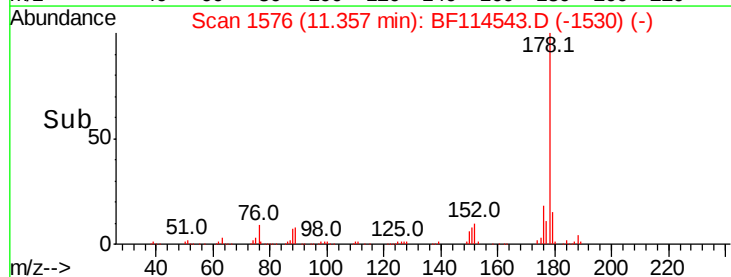
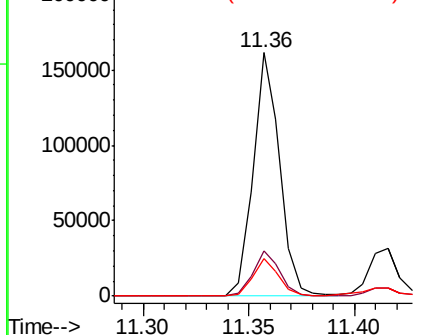


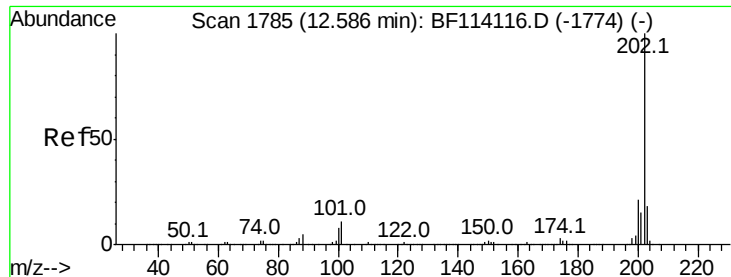
#71
 Phenanthrene
 Concen: 4.949 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.03 min
 Lab File: BF114543.D
 Acq: 24 May 2019 00:14

Tgt Ion:178 Resp: 140726
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.4 24.6
 179 15.2 13.2 19.8



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: 5.593 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-5

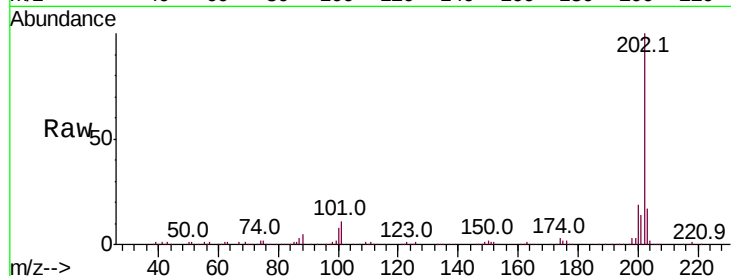
Tot Ion:202 Resp: 171258

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

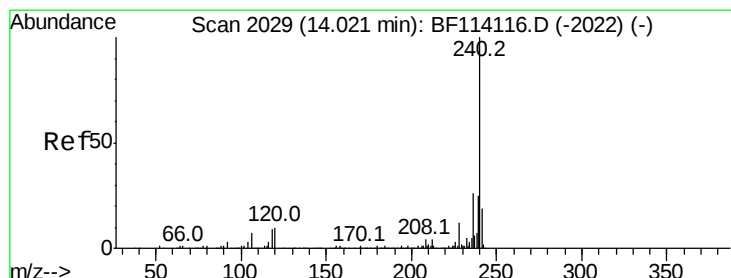
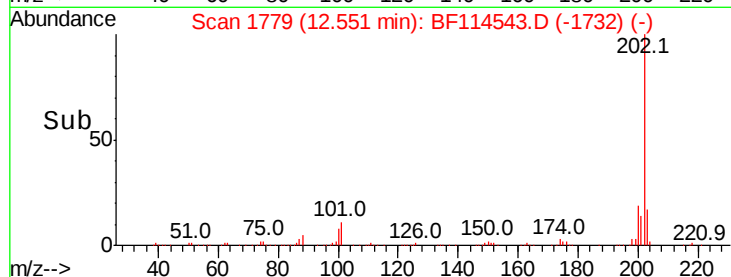
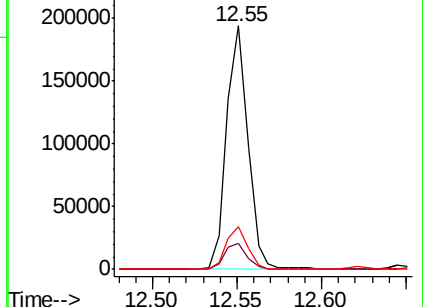
203 17.3 0.0 38.4



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: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

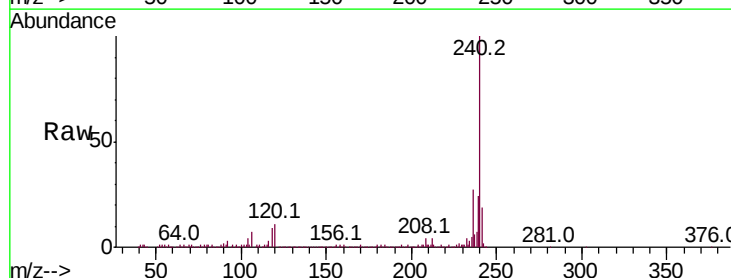
Tgt Ion:240 Resp: 421492

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

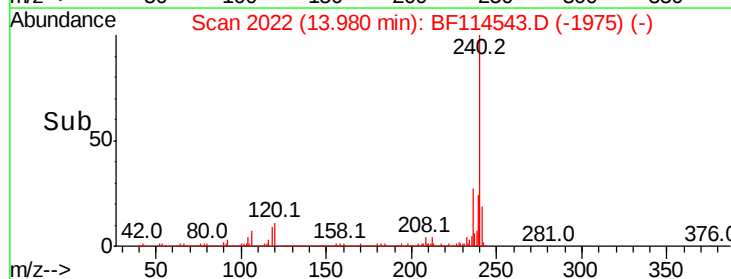
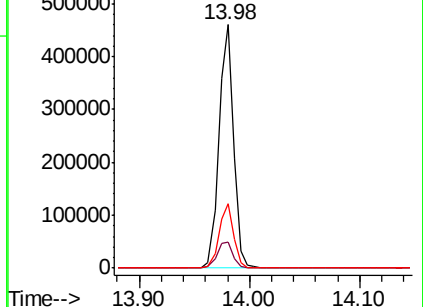
236 26.5 20.8 31.2

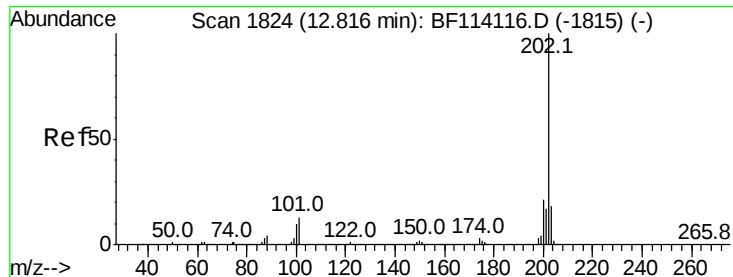


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.301 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-5

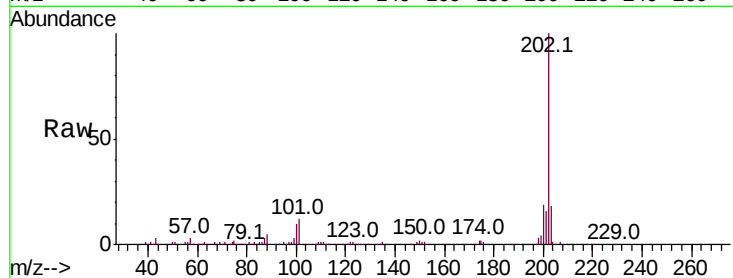
Tot Ion:202 Resp: 145826

Ion Ratio Lower Upper

202 100

200 19.0 16.9 25.3

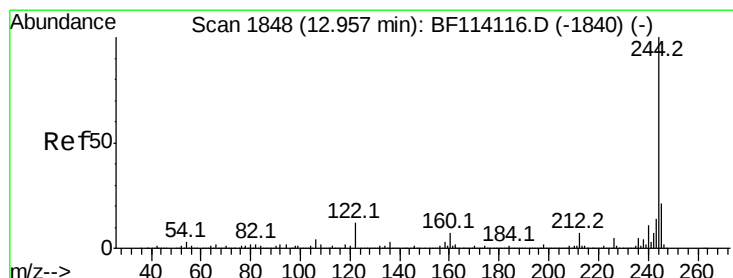
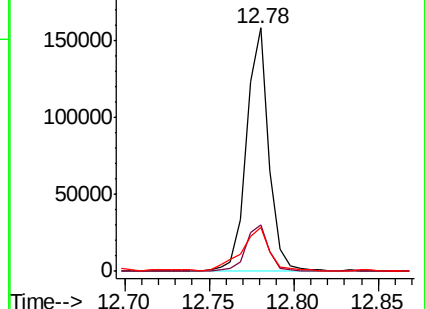
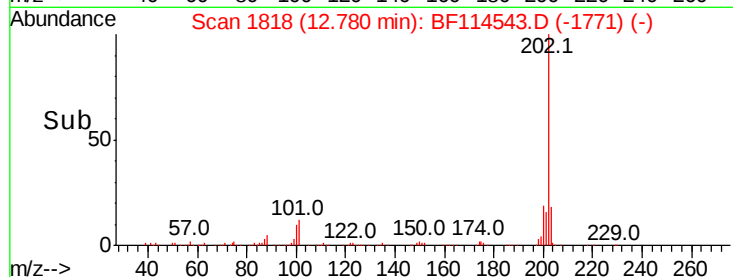
203 18.1 14.5 21.7



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: 79.306 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF114543.D

Acq: 24 May 2019 00:14

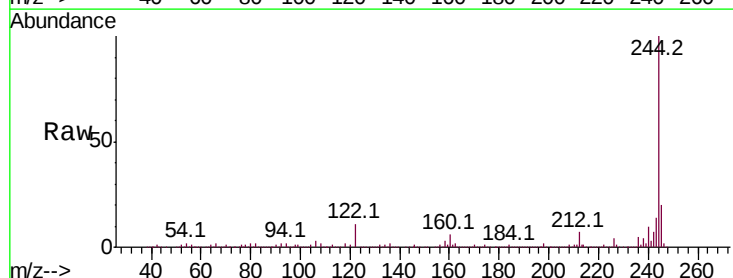
Tgt Ion:244 Resp: 1621540

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

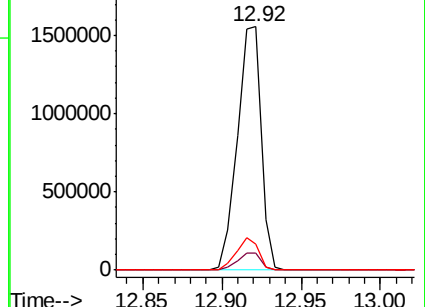
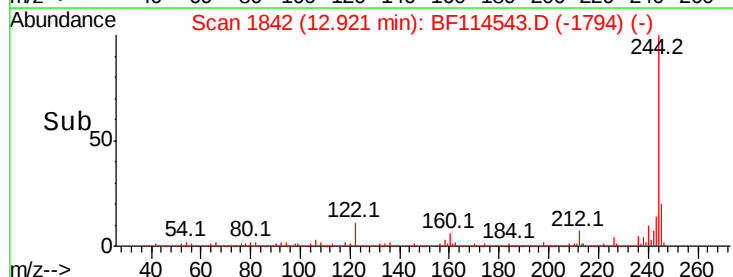
122 10.9 9.4 14.2

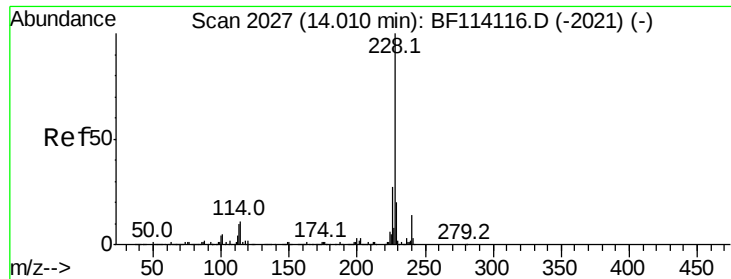


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

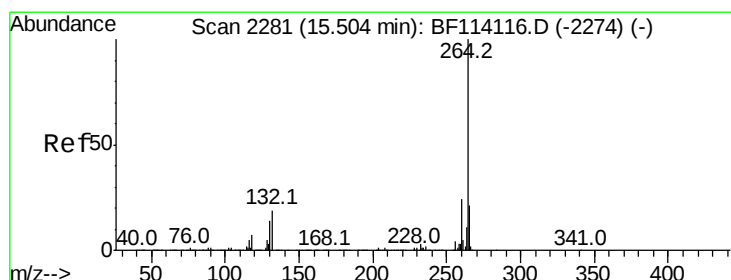
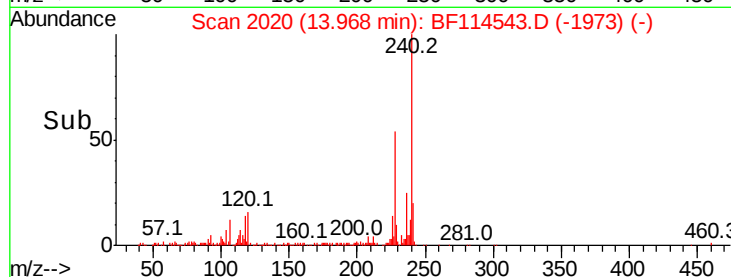
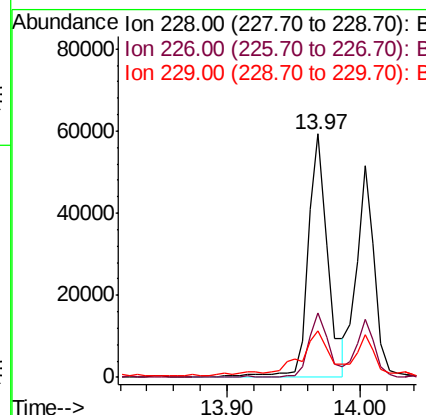
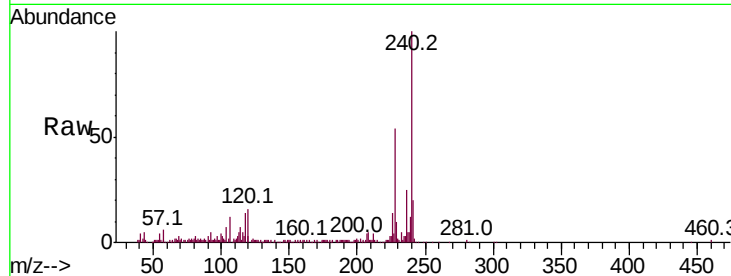




#81
Benzo(a)anthracene
Concen: 2.179 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

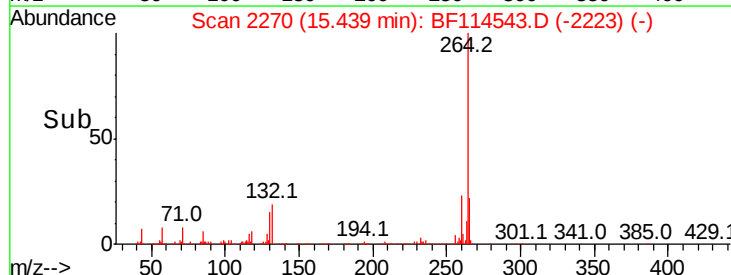
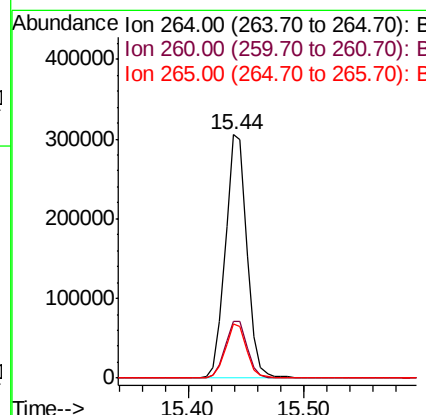
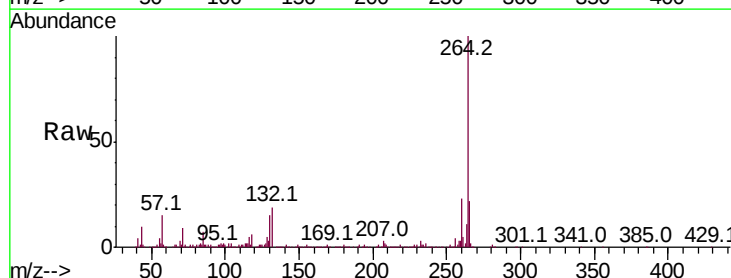
Instrument :
BNA_F
ClientSampleId :
CONCRETE-5

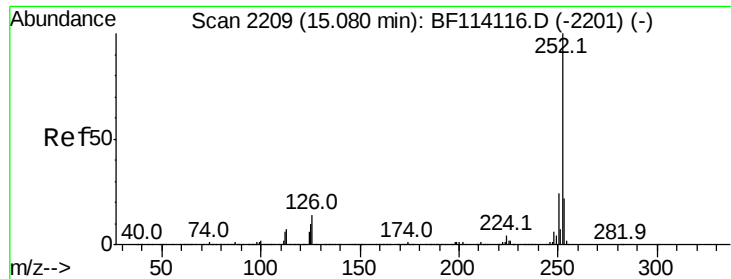
Tot Ion:228 Resp: 59406
Ion Ratio Lower Upper
228 100
226 26.3 22.2 33.2
229 19.1 16.4 24.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:264 Resp: 394448
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.0
265 22.0 16.9 25.3

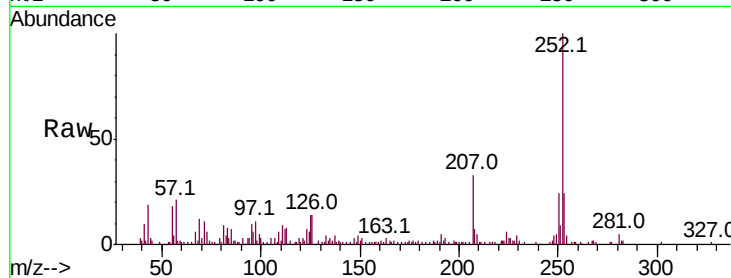




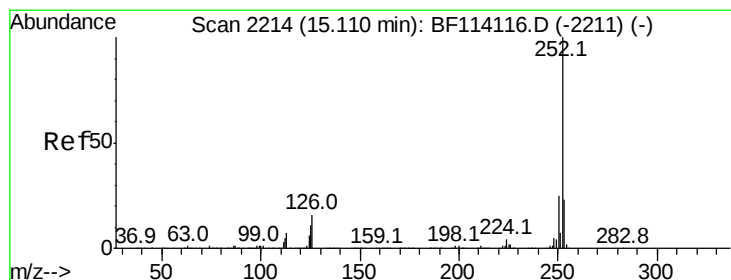
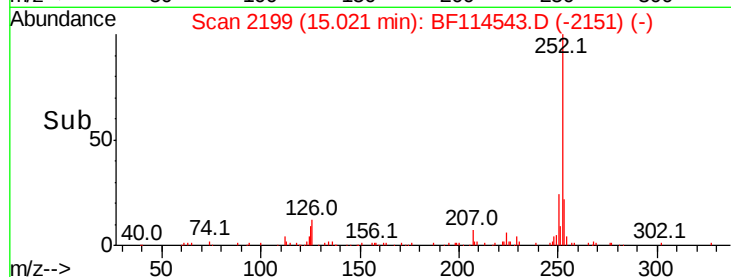
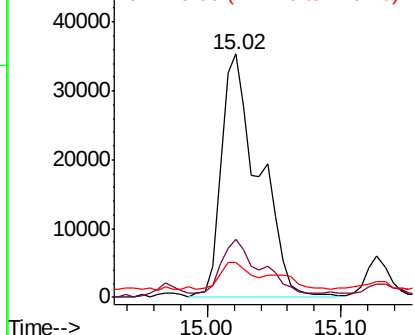
#88
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-5

Tot Ion:252 Resp: 69546
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.4 8.3 12.5#

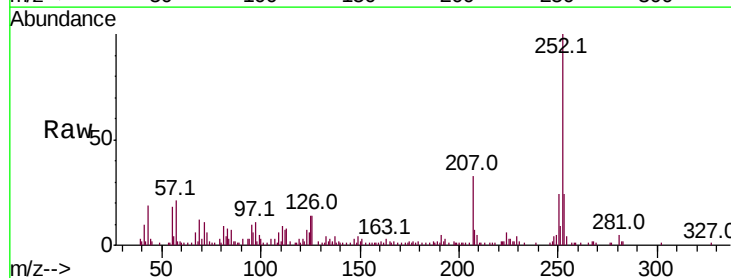


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.996 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114543.D
Acq: 24 May 2019 00:14

Tgt Ion:252 Resp: 69546
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 14.4 8.6 13.0#



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

