

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114332.D
 Acq On : 17 May 2019 2:23
 Operator : JU/SJ
 Sample : K2867-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-H

Quant Time: May 17 08:01:08 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

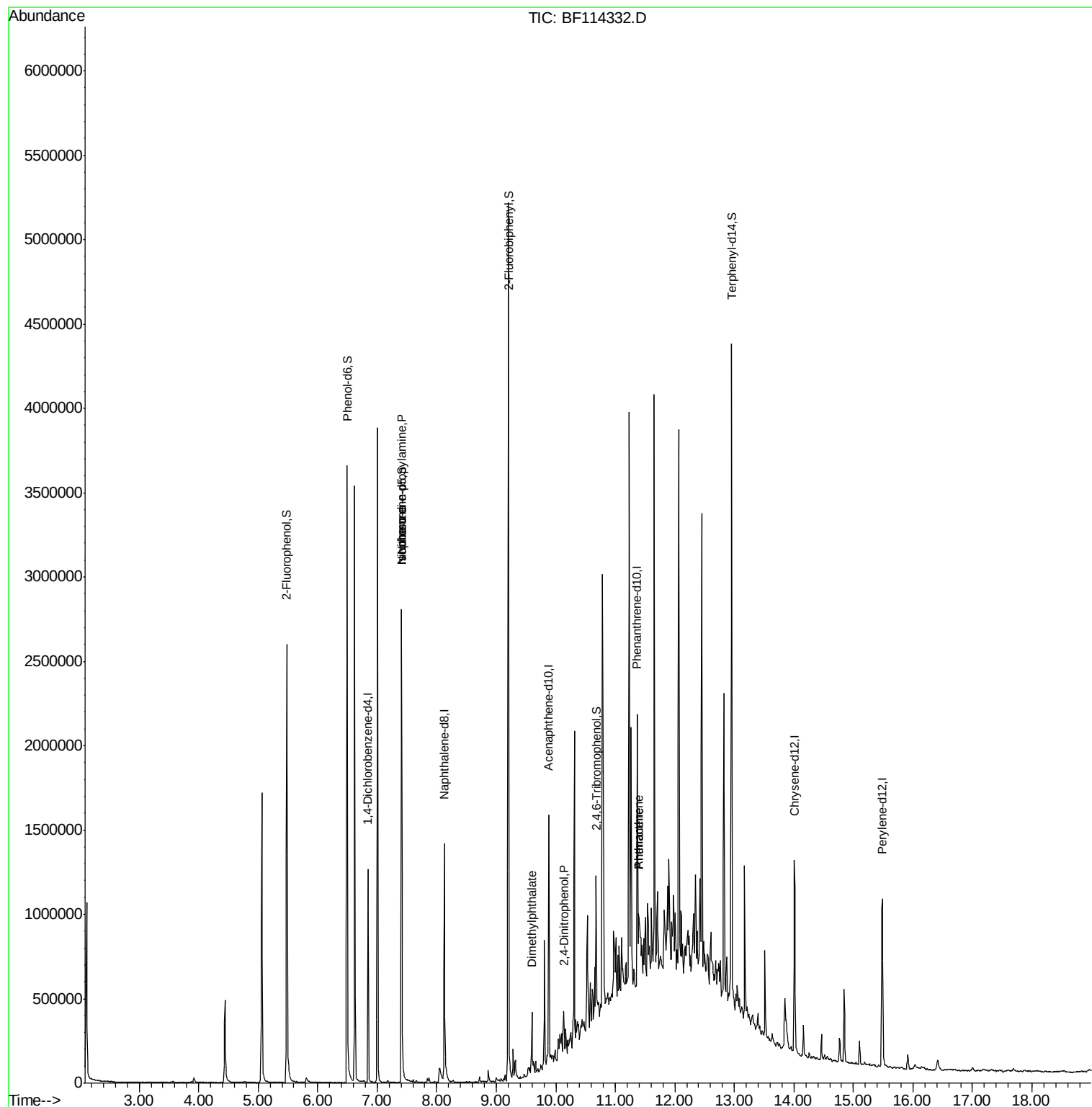
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	184634	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	705546	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	313762	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	549911	20.00	ng	0.00
76) Chrysene-d12	14.01	240	403468	20.00	ng	-0.01
87) Perylene-d12	15.49	264	469592	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	755437	65.84	ng	0.00
7) Phenol-d6	6.49	99	1268824	93.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	897211	71.37	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	109022	33.61	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1615269	77.87	ng	0.00
79) Terphenyl-d14	12.95	244	1348729	68.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	119478	13.891	ng	# 75
25) Isophorone	7.41	82	897198	38.480	ng	# 64
50) Dimethylphthalate	9.60	163	127260	5.525	ng	98
54) 2,4-Dinitrophenol	10.13	184	168	6.805	ng	# 12
71) Phenanthrene	11.39	178	142389	5.322	ng	98
72) Anthracene	11.39	178	142389	5.299	ng	99

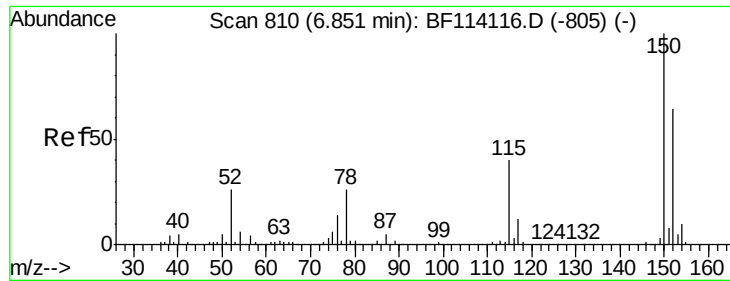
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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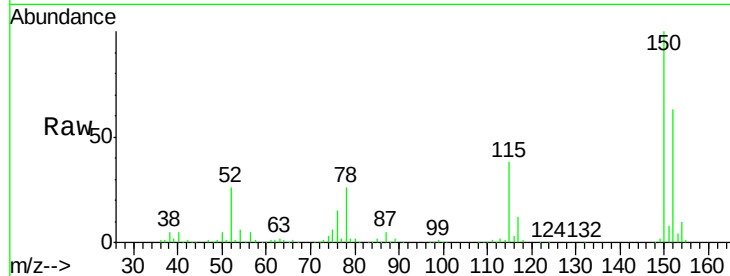


#1

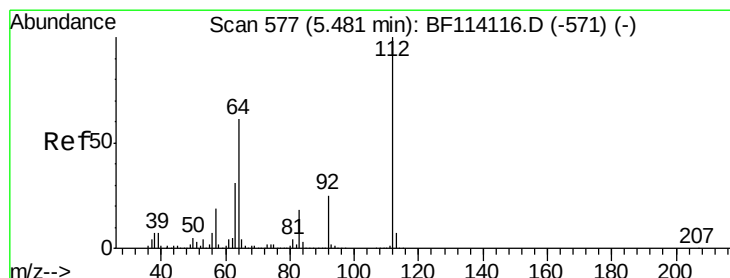
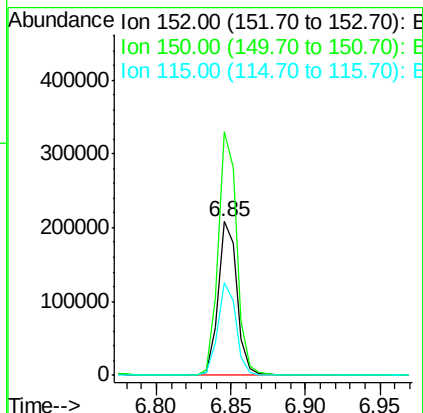
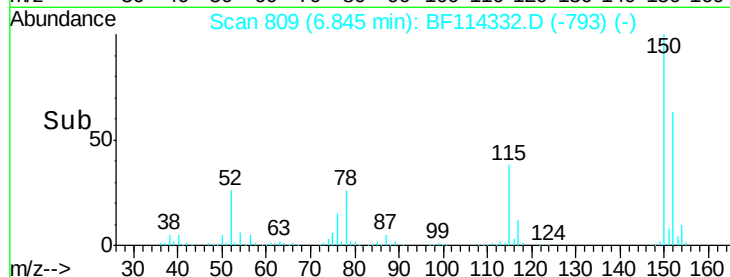
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114332.D
Acq: 17 May 2019 2:23

Instrument :
BNA_F
ClientSampleId :
CONCRETE-H

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	59.9	49.1	73.7



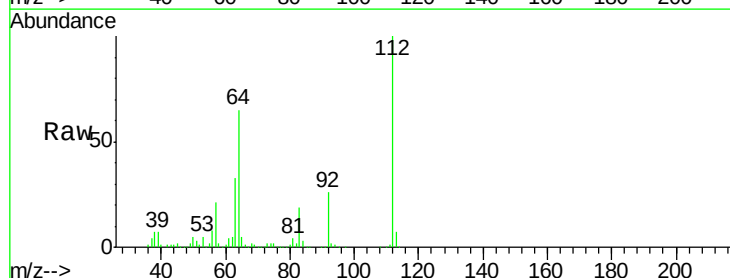
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



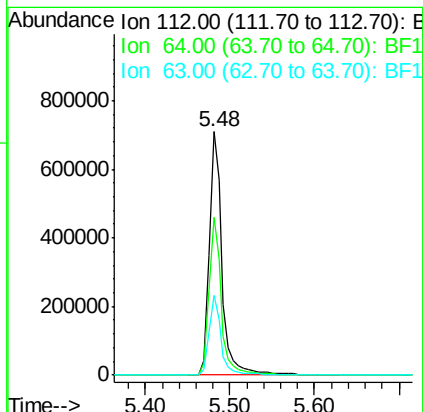
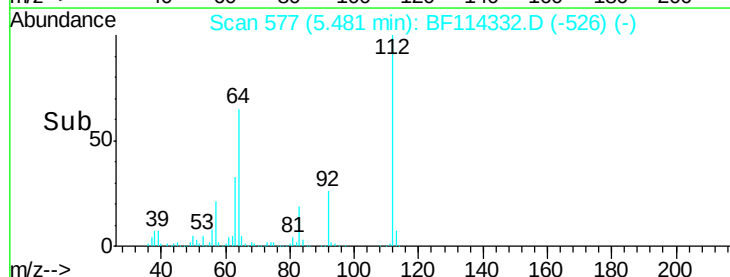
#5

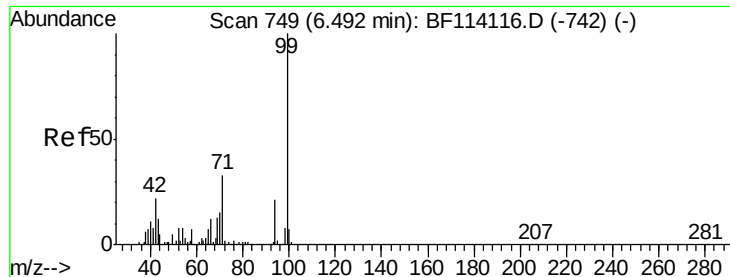
2-Fluorophenol
Concen: 65.844 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114332.D
Acq: 17 May 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	49.0	73.6
63	32.9	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: 93.504 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

BNA_F

ClientSampleId :

CONCRETE-H

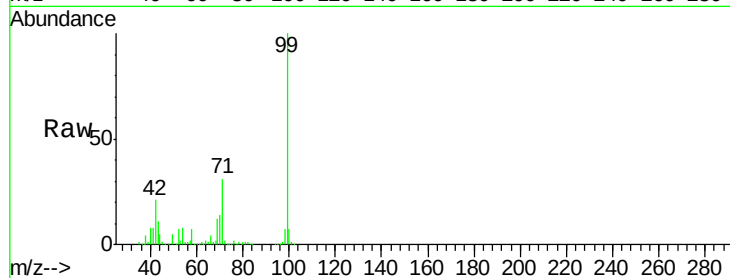
Tot Ion: 99 Resp: 1268824

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

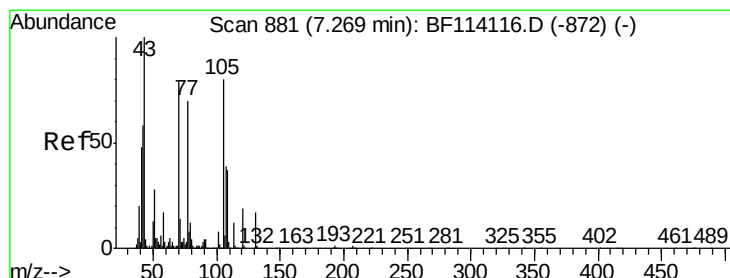
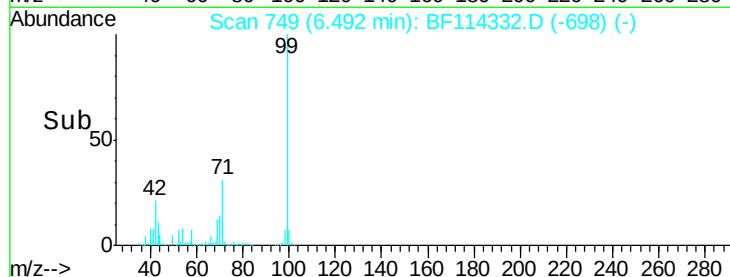
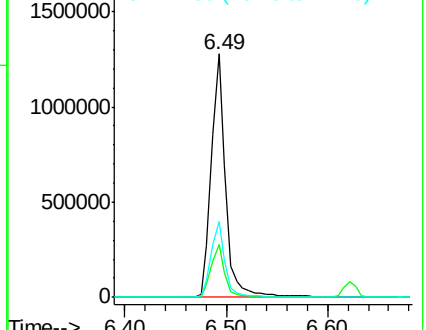
71 31.4 26.2 39.2



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: 13.891 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Tgt Ion: 70 Resp: 119478

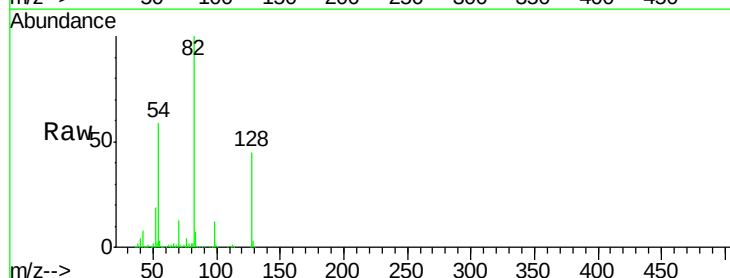
Ion Ratio Lower Upper

70 100

42 56.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

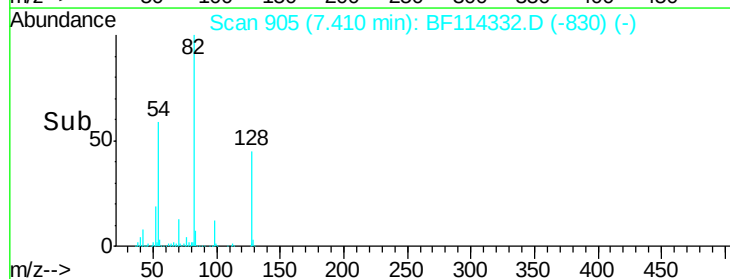
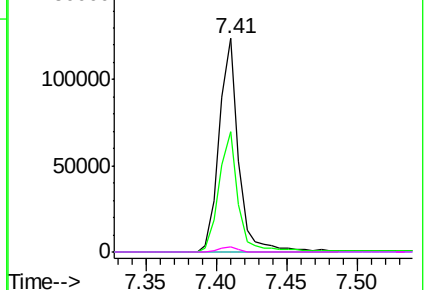


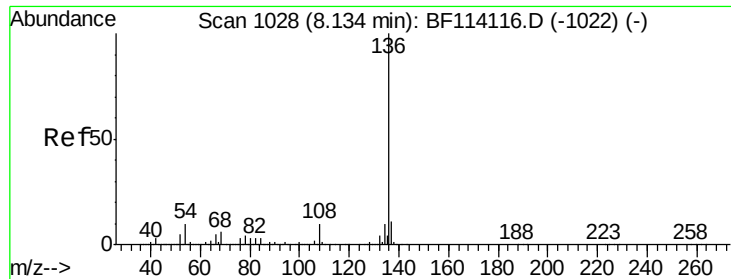
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

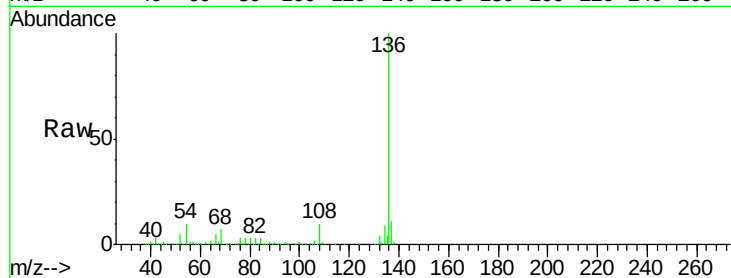




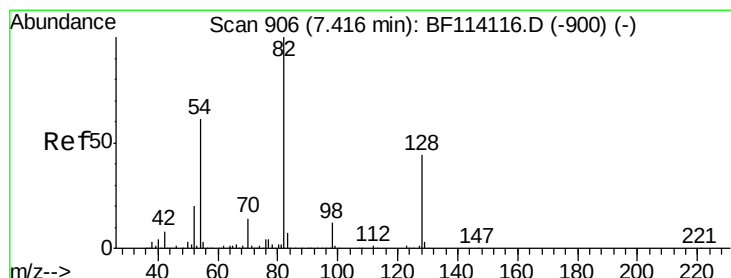
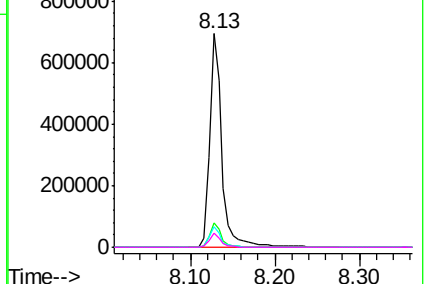
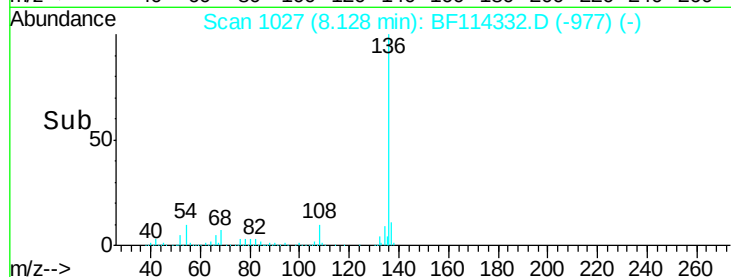
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114332.D
Acq: 17 May 2019 2:23

Instrument :
BNA_F
ClientSampleId :
CONCRETE-H

Tot Ion:136	Resp:	705546
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.8 13.2
54	9.6	7.8 11.8
68	6.8	5.1 7.7

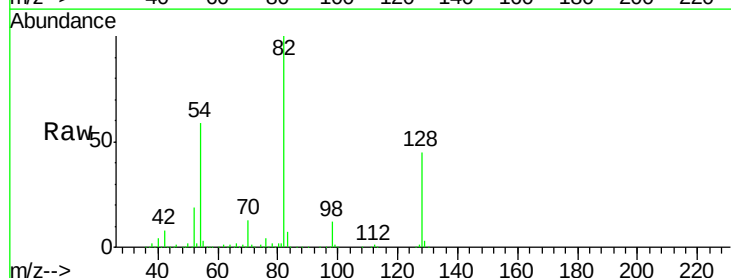


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

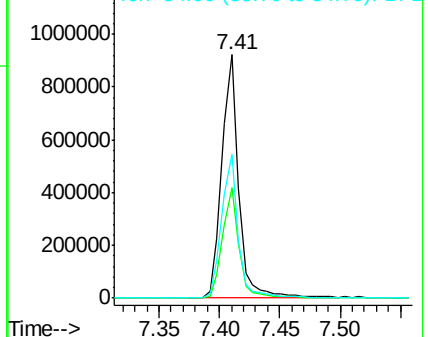
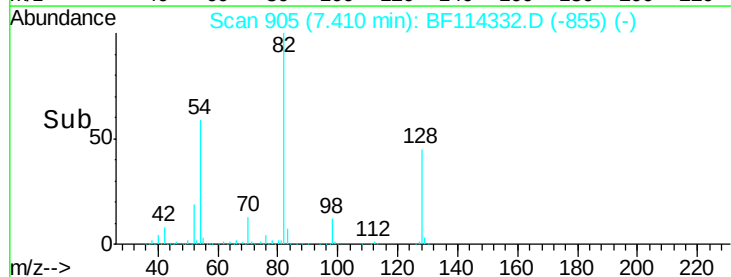


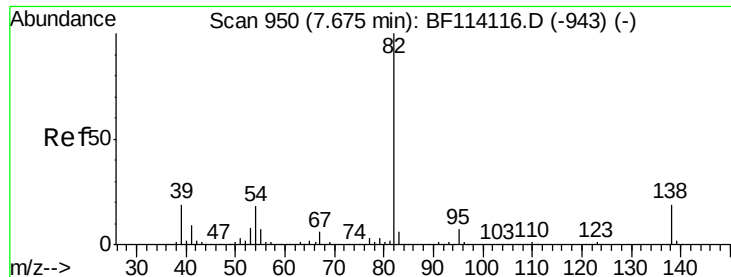
#23
Nitrobenzene-d5
Concen: 71.365 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114332.D
Acq: 17 May 2019 2:23

Tgt Ion: 82	Resp:	897211
Ion Ratio	Lower	Upper
82	100	
128	45.5	35.5 53.3
54	59.2	48.5 72.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.480 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

BNA_F

ClientSampleId :

CONCRETE-H

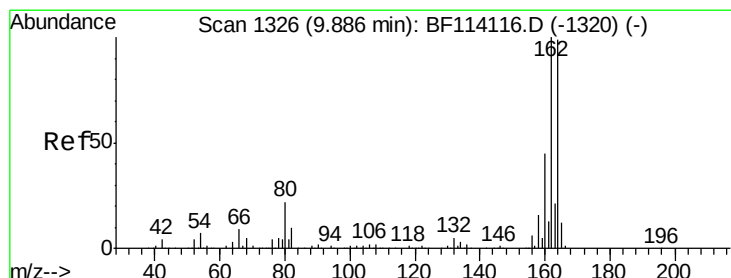
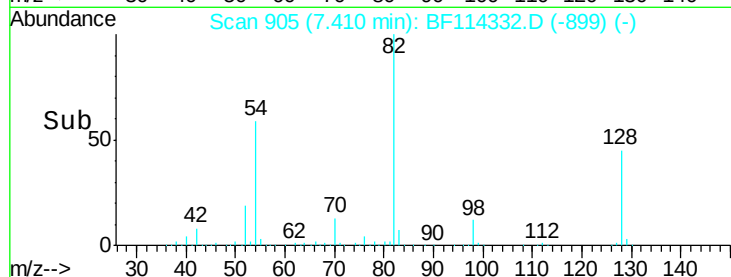
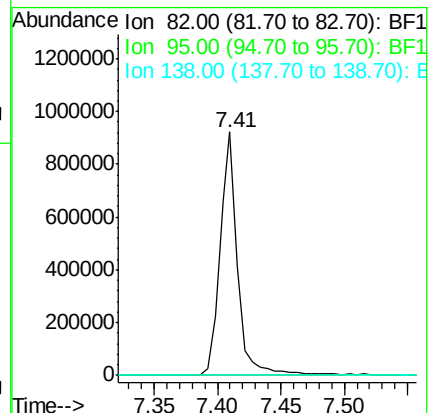
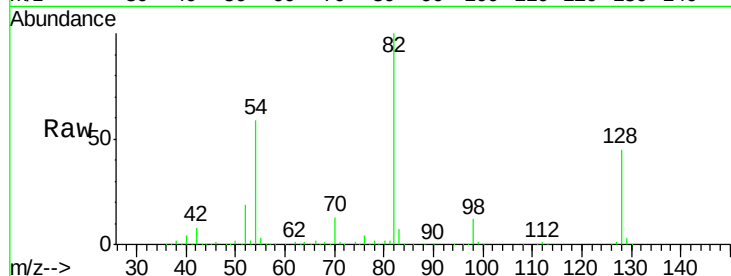
Tot Ion: 82 Resp: 897198

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

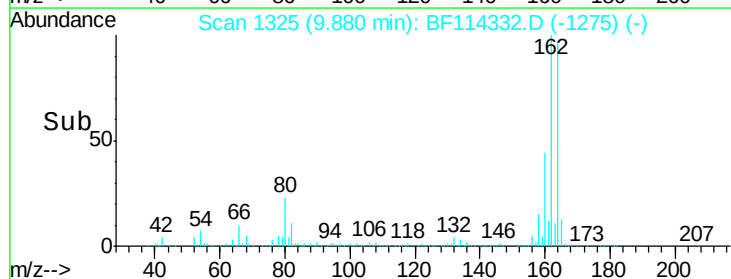
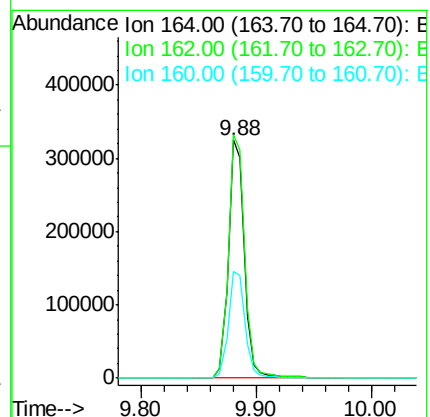
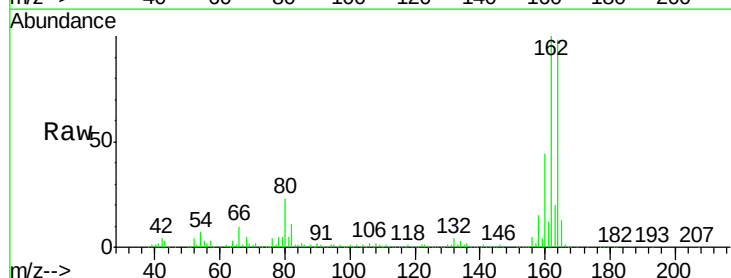
Tgt Ion: 164 Resp: 313762

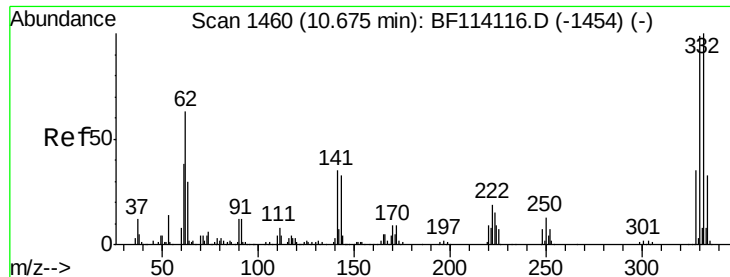
Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

160 44.9 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 33.610 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

BNA_F

ClientSampleId :

CONCRETE-H

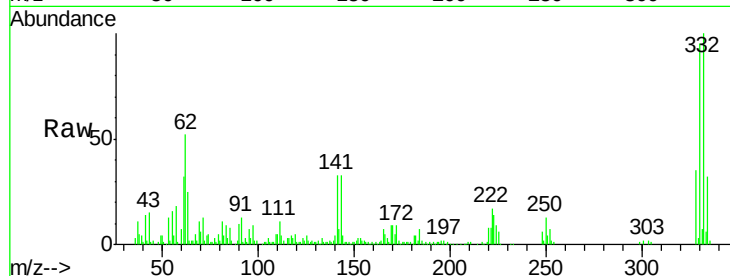
Tot Ion:330 Resp: 109022

Ion Ratio Lower Upper

330 100

332 104.6 81.4 122.2

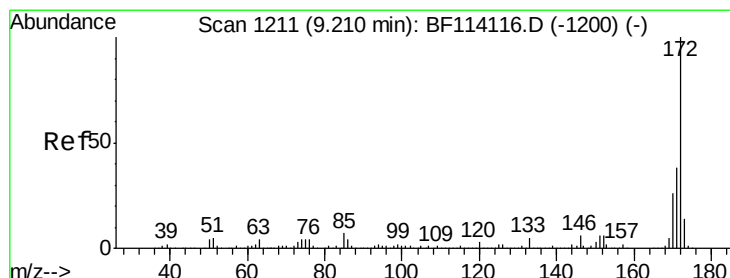
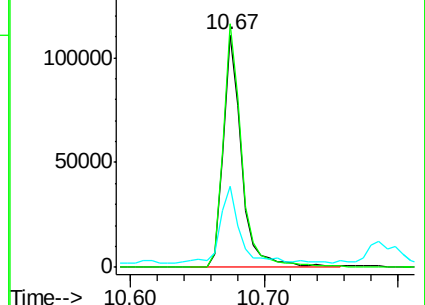
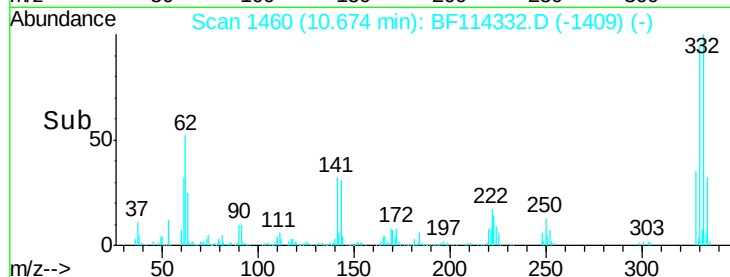
141 34.8 26.6 40.0



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: 77.873 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

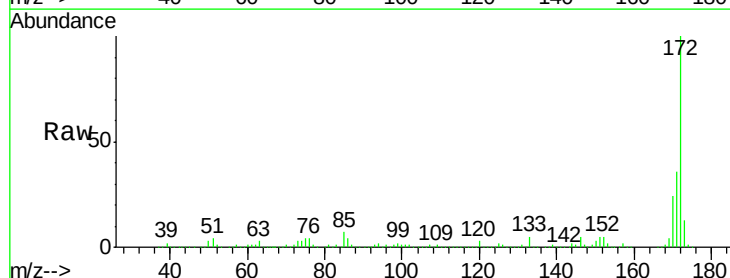
Tgt Ion:172 Resp: 1615269

Ion Ratio Lower Upper

172 100

171 35.7 30.7 46.1

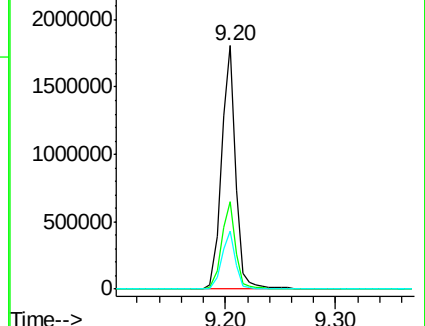
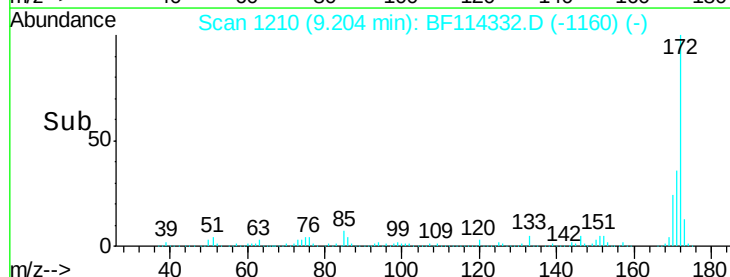
170 23.6 20.5 30.7

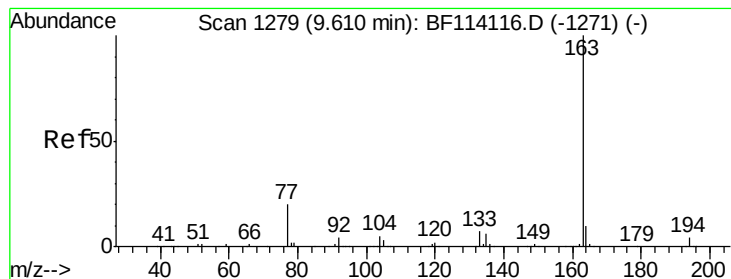


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.525 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

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ClientSampleId :

CONCRETE-H

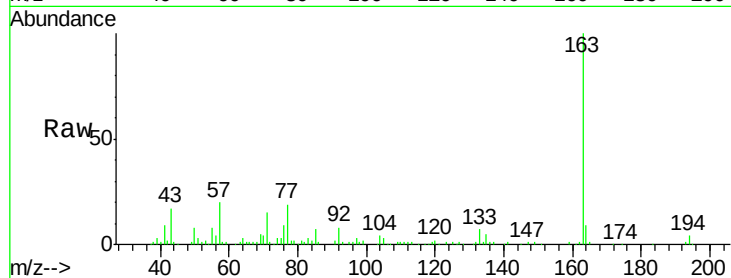
Tot Ion:163 Resp: 127260

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.0 8.2 12.2

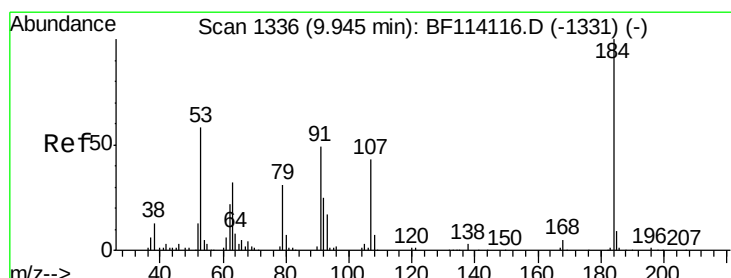
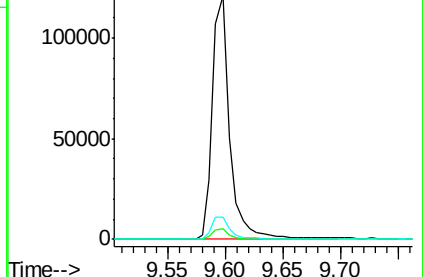
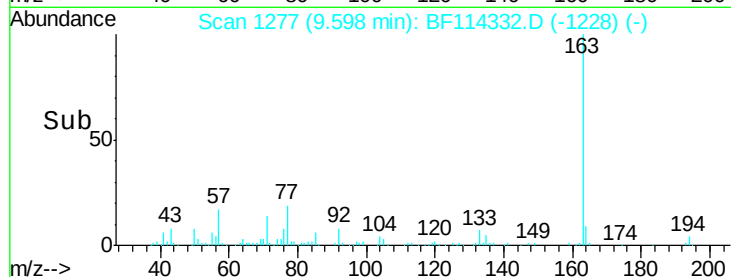


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#54

2,4-Dinitrophenol

Concen: 6.805 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.19 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

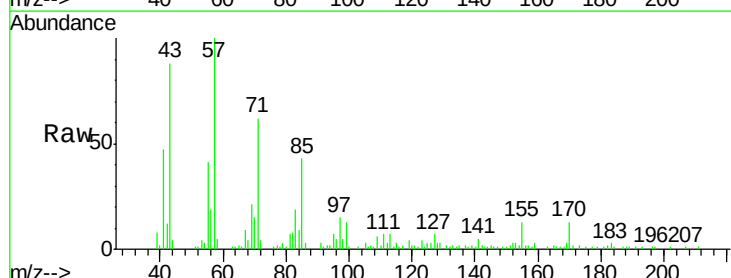
Tgt Ion:184 Resp: 168

Ion Ratio Lower Upper

184 100

63 83.4 55.6 83.4#

154 185.3 46.0 69.0#

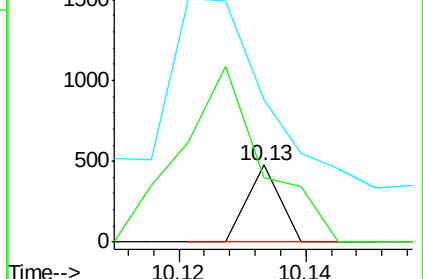
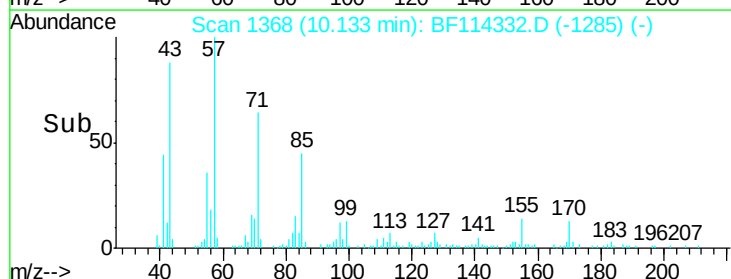


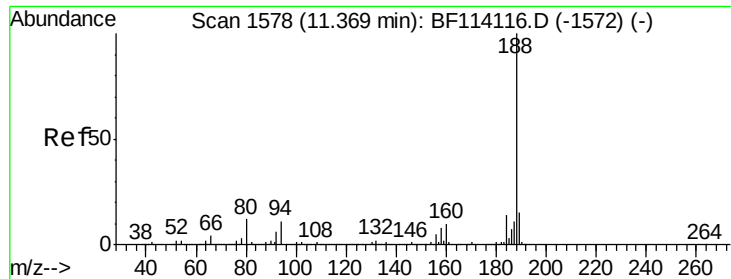
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

BNA_F

ClientSampleId :

CONCRETE-H

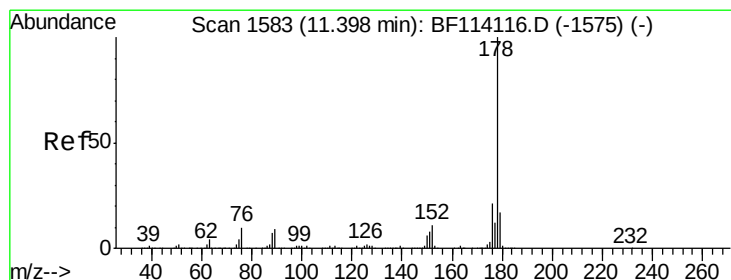
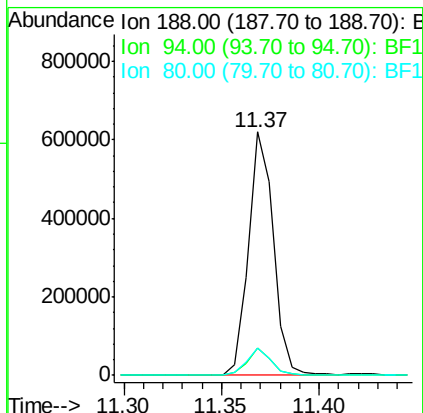
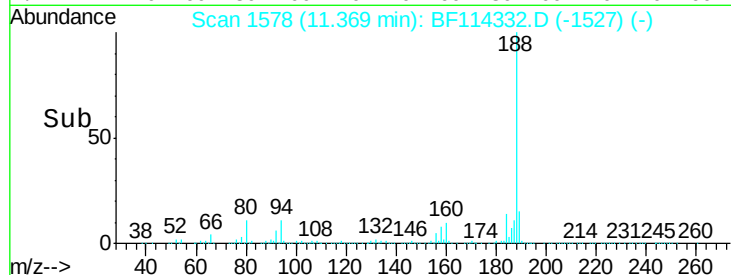
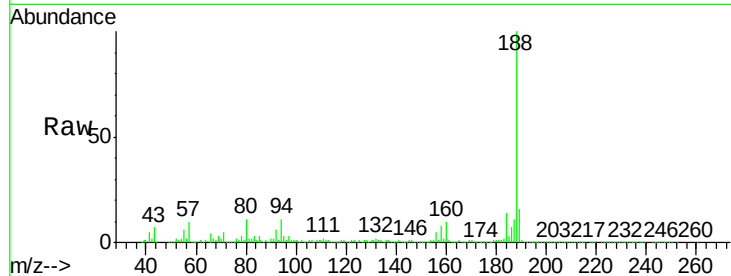
Tot Ion:188 Resp: 549911

Ion Ratio Lower Upper

188 100

94 11.0 8.4 12.6

80 11.3 9.2 13.8



#71

Phenanthrene

Concen: 5.322 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

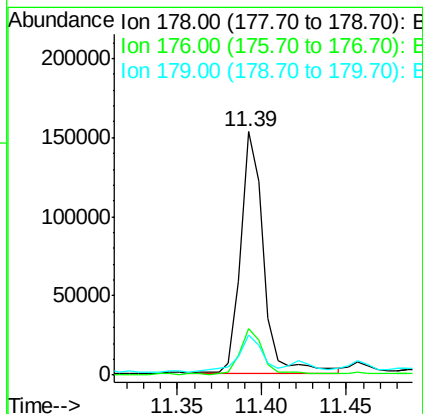
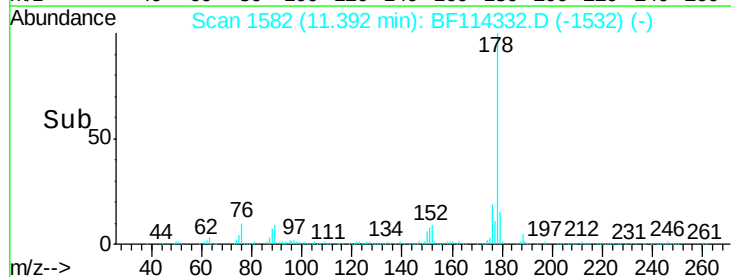
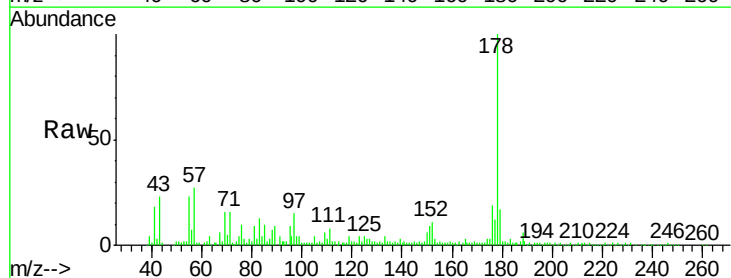
Tgt Ion:178 Resp: 142389

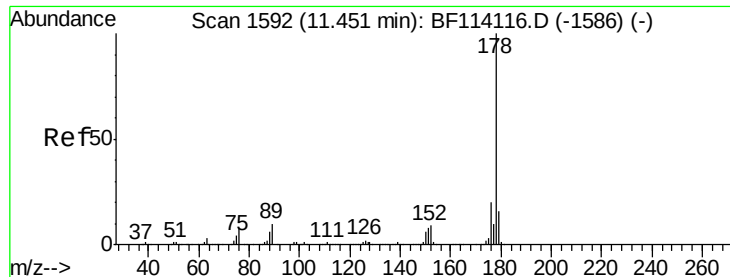
Ion Ratio Lower Upper

178 100

176 19.3 16.4 24.6

179 16.7 13.2 19.8





#72

Anthracene

Concen: 5.299 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.06 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

Instrument :

BNA_F

ClientSampleId :

CONCRETE-H

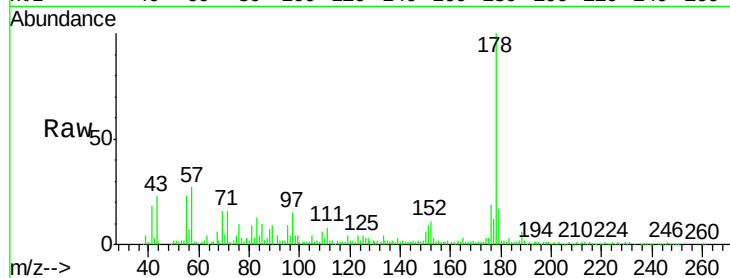
Tot Ion:178 Resp: 142389

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

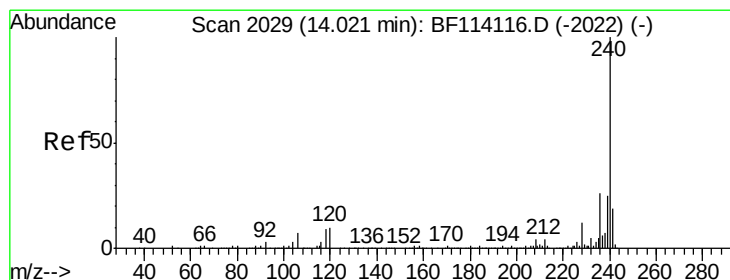
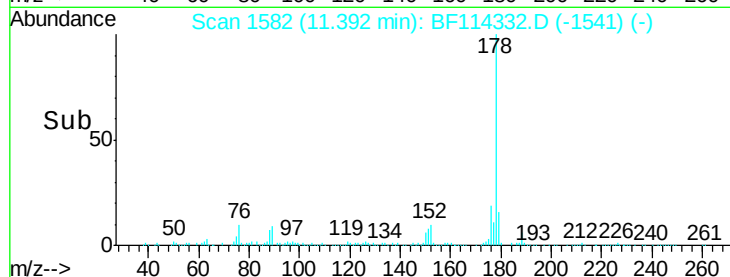
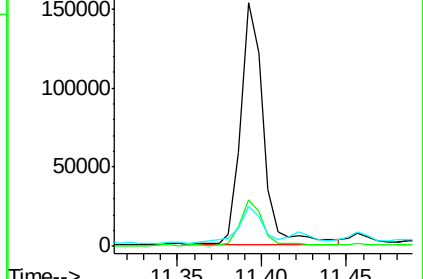
179 16.7 13.0 19.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114332.D

Acq: 17 May 2019 2:23

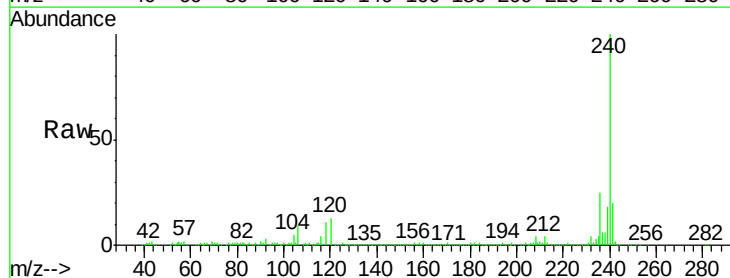
Tgt Ion:240 Resp: 403468

Ion Ratio Lower Upper

240 100

120 13.0 8.3 12.5#

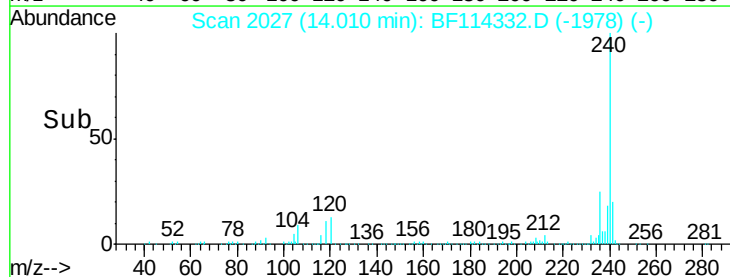
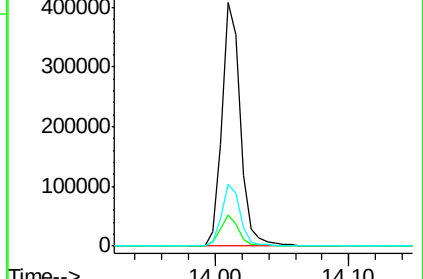
236 25.3 20.8 31.2

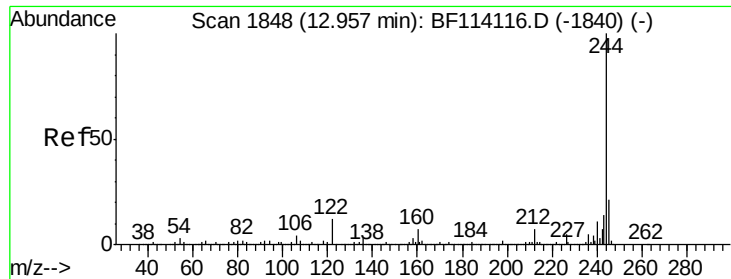


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



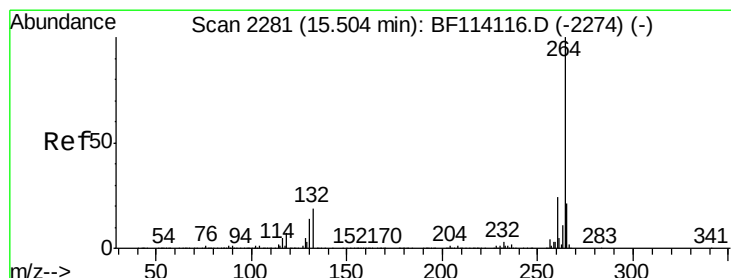
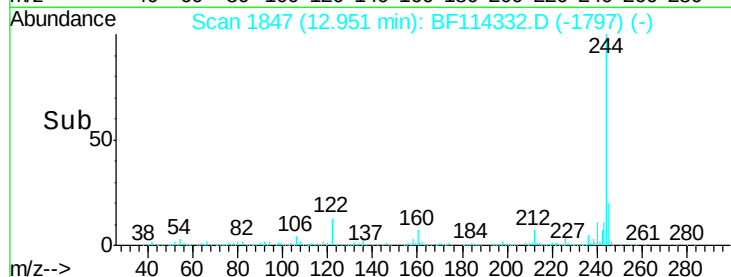
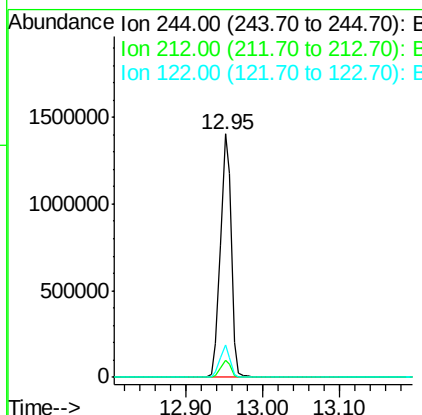
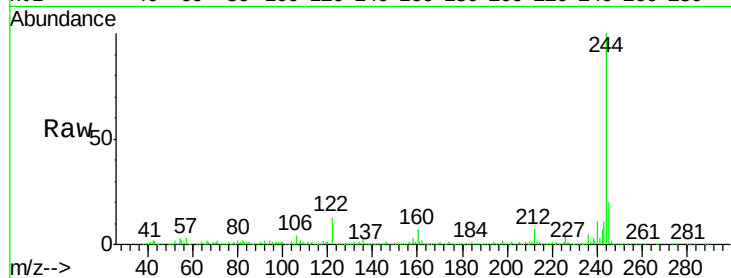


#79
 Terphenyl-d14
 Concen: 68.910 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114332.D
 Acq: 17 May 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-H

Tot Ion:244 Resp: 1348729

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	13.3	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114332.D
 Acq: 17 May 2019 2:23

Tgt Ion:264 Resp: 469592

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	20.9	16.9	25.3

