

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112747.D
 Acq On : 28 Feb 2019 5:02
 Operator : JU/SJ
 Sample : K1631-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

Quant Time: Feb 28 06:44:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

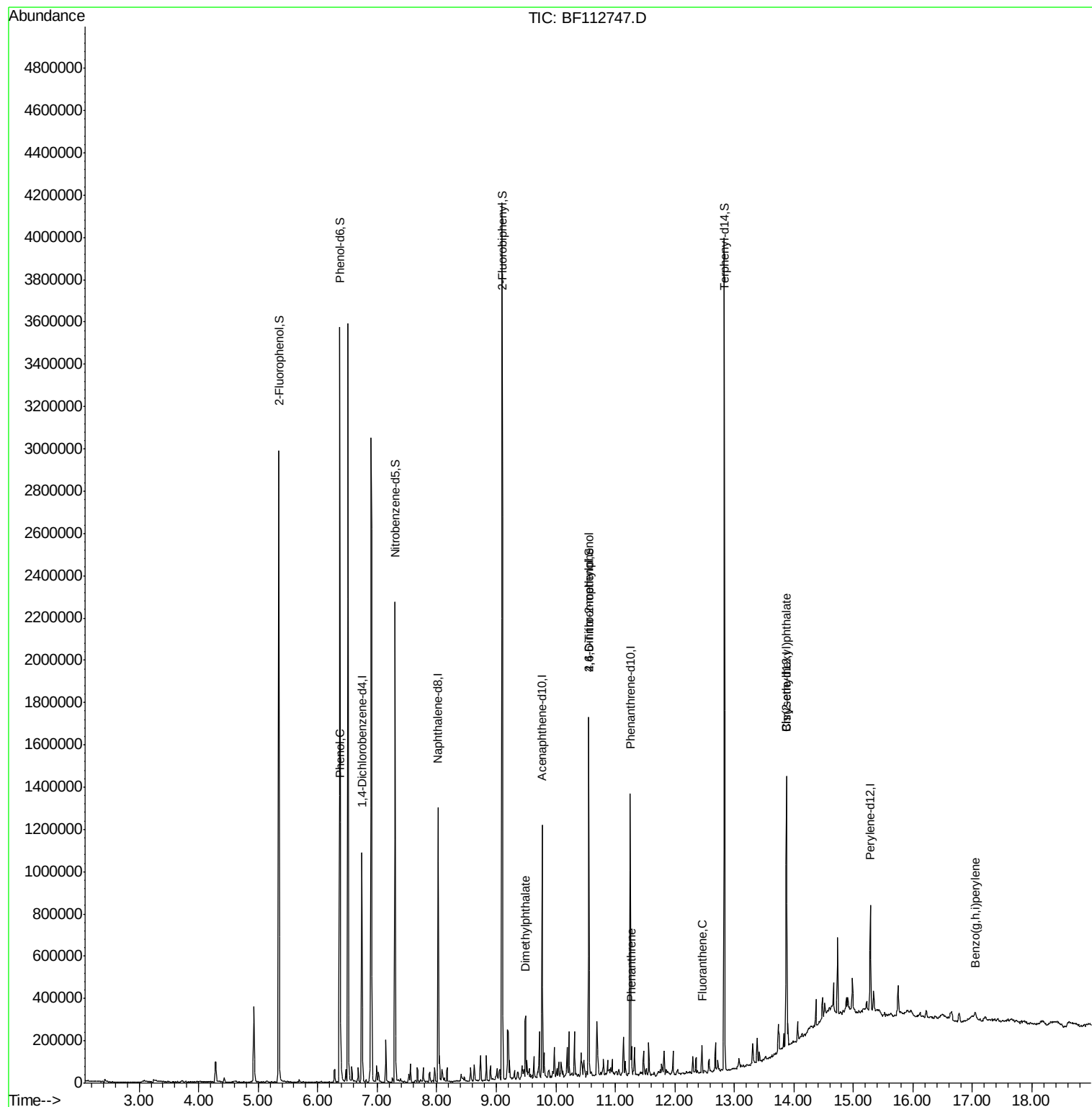
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160140	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	547161	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	229836	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	445977	20.00	ng	0.00
76) Chrysene-d12	13.87	240	340377	20.00	ng	0.00
87) Perylene-d12	15.29	264	230292	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	869944	84.50	ng	0.00
7) Phenol-d6	6.37	99	1169835	90.46	ng	0.00
23) Nitrobenzene-d5	7.30	82	683521	74.75	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	216479	88.72	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1187996	89.39	ng	0.00
79) Terphenyl-d14	12.83	244	1298772	73.97	ng	0.00
Target Compounds						
10) Phenol	6.39	94	40222	2.665	ng	91
50) Dimethylphthalate	9.49	163	102828	6.068	ng	99
65) 4,6-Dinitro-2-methylphenol	10.56	198	347	4.784	ng	# 1
71) Phenanthrene	11.27	178	46832	2.111	ng	99
75) Fluoranthene	12.46	202	49651	2.089	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	46290	3.116	ng	98
92) Benzo(g,h,i)perylene	17.04	276	23900	2.117	ng	# 93

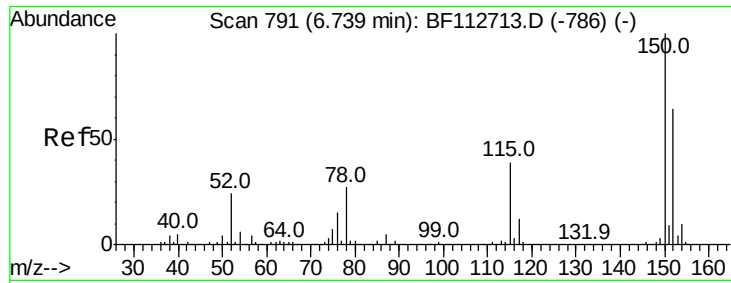
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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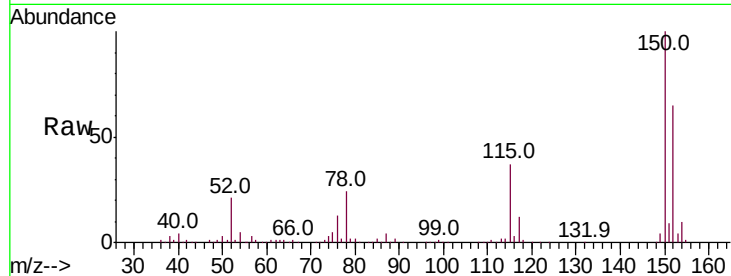


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	56.6	48.2	72.4

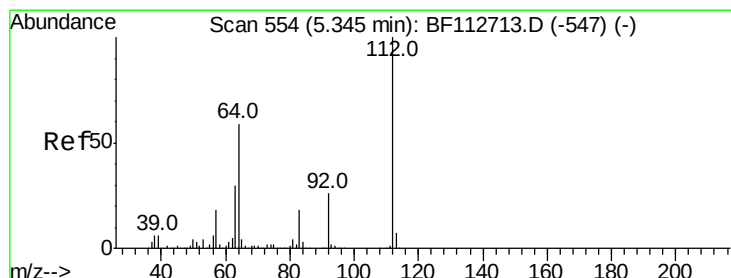
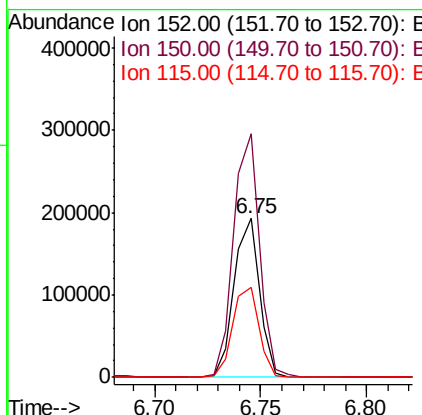
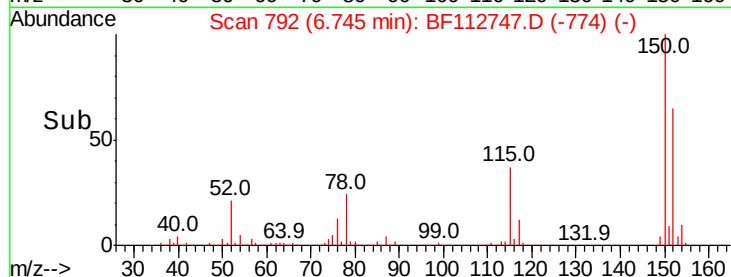


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

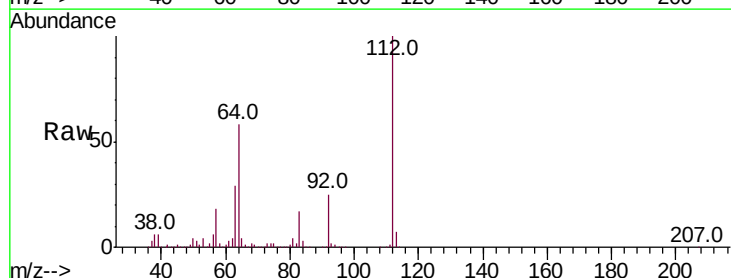
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.503 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.6	71.4
63	29.5	24.4	36.6

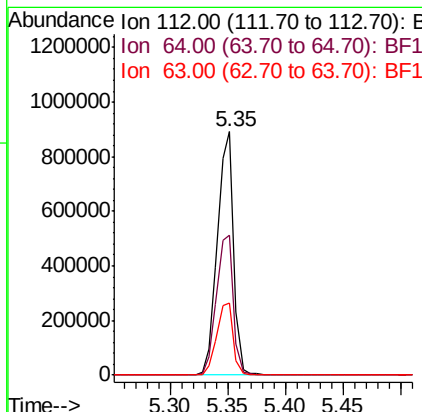
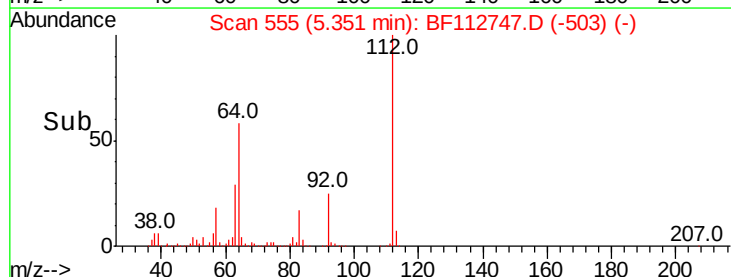


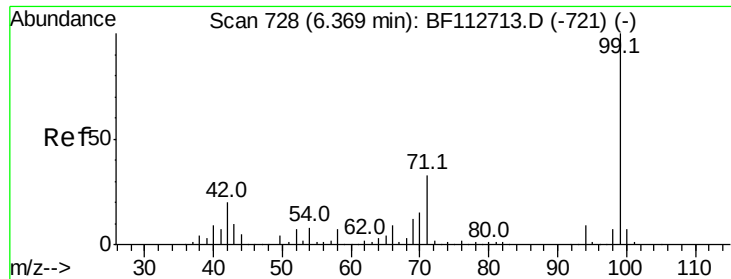
Abundance

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: 90.461 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

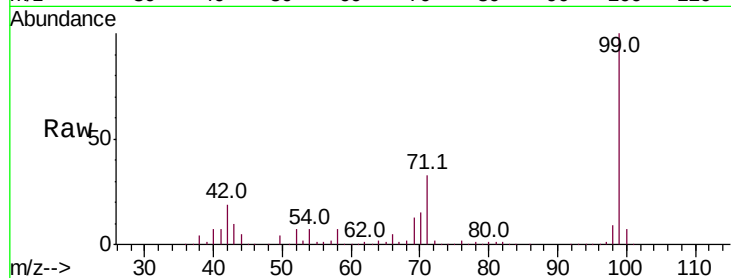
Tot Ion: 99 Resp: 1169835

Ion Ratio Lower Upper

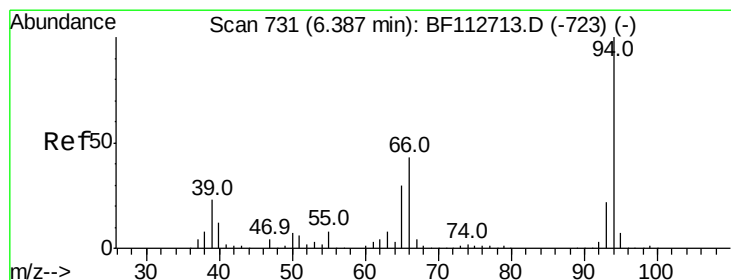
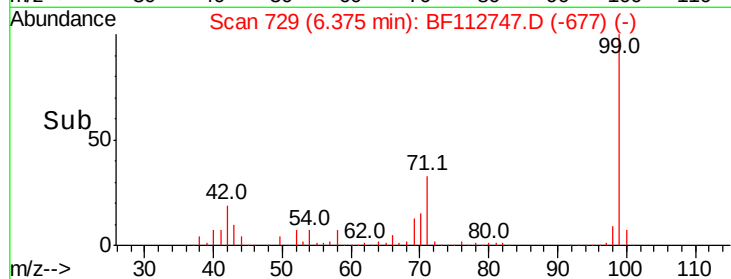
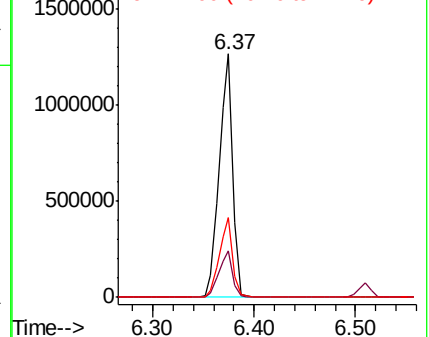
99 100

42 19.0 16.3 24.5

71 32.6 26.2 39.4



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



#10

Phenol

Concen: 2.665 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

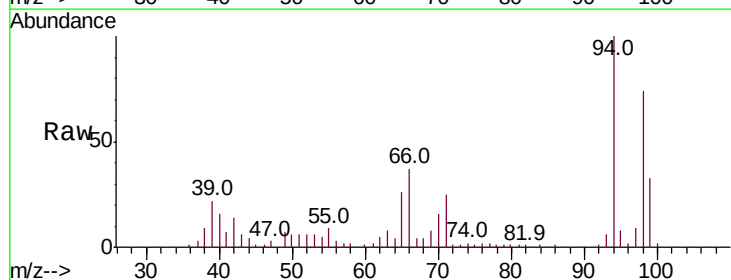
Tgt Ion: 94 Resp: 40222

Ion Ratio Lower Upper

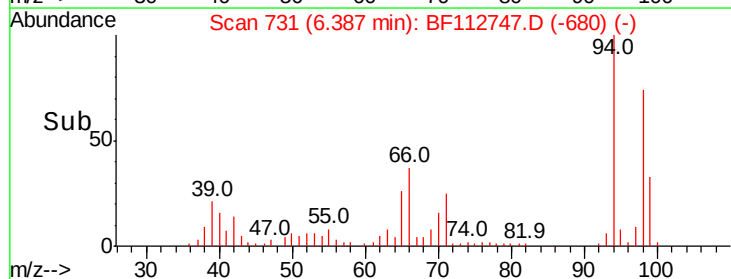
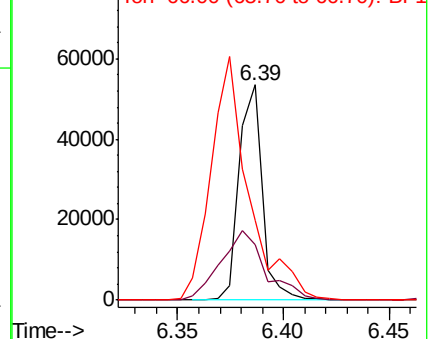
94 100

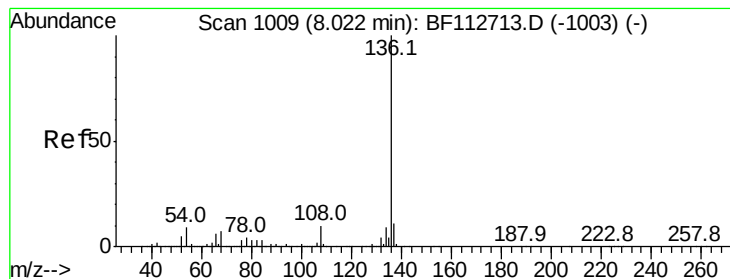
65 25.8 10.5 50.5

66 36.8 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

Tot Ion:136 Resp: 547161

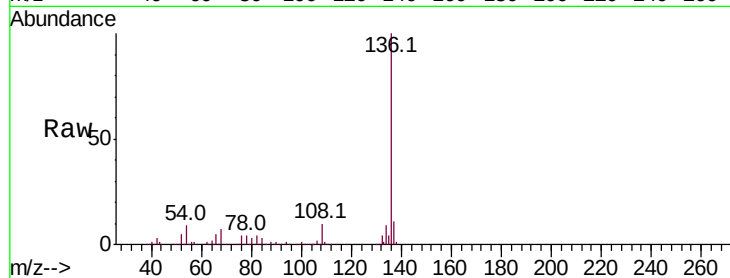
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.1 7.3 10.9

68 6.7 5.4 8.2

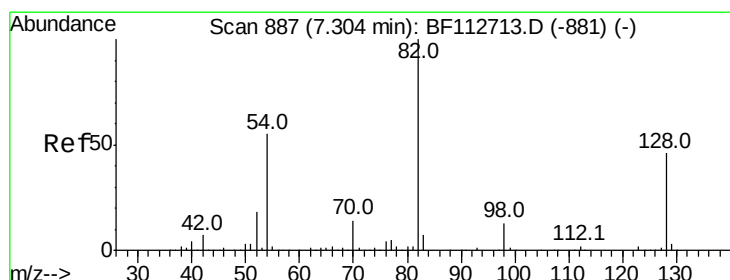
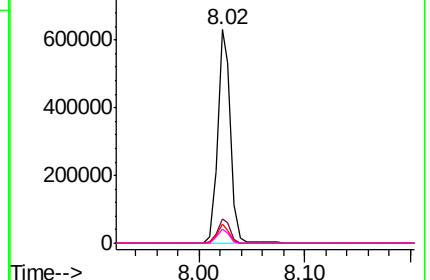
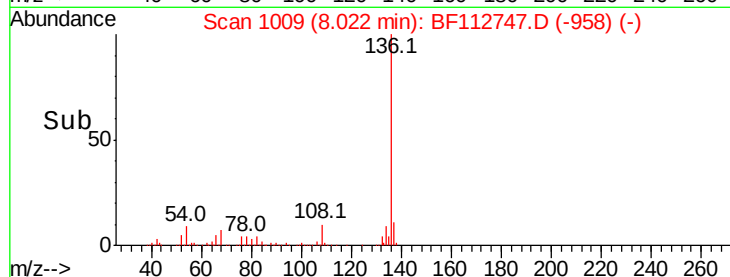


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.750 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

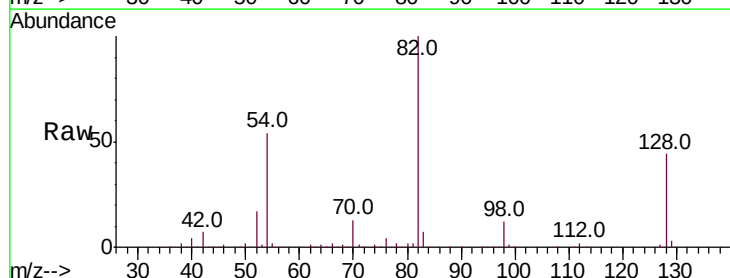
Tgt Ion: 82 Resp: 683521

Ion Ratio Lower Upper

82 100

128 44.5 36.3 54.5

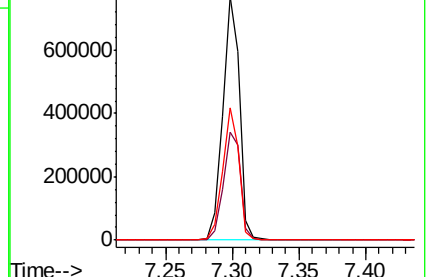
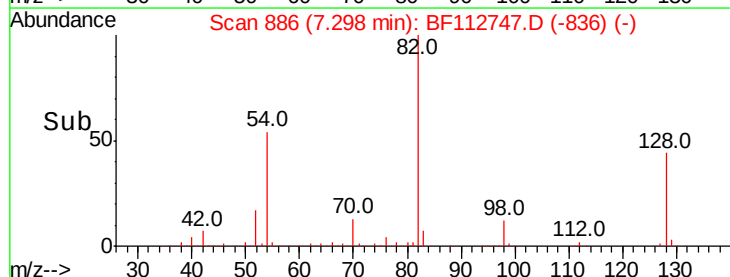
54 54.4 43.7 65.5

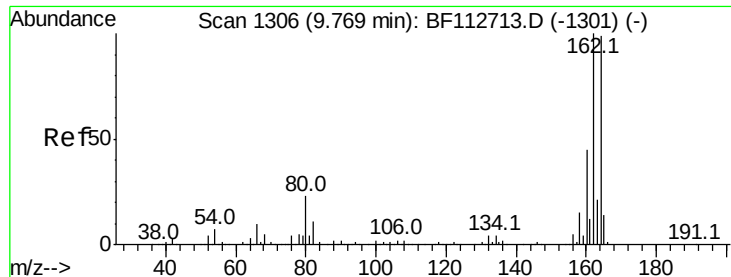


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

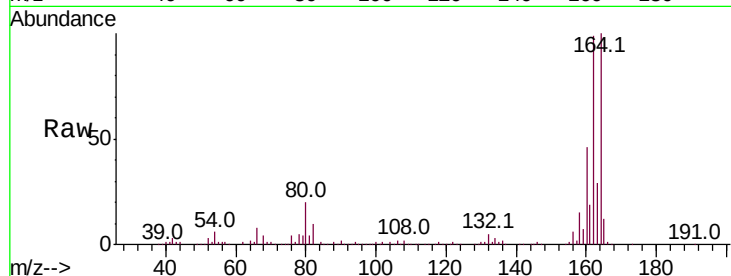




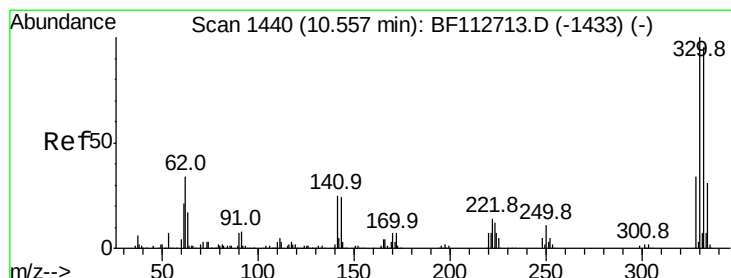
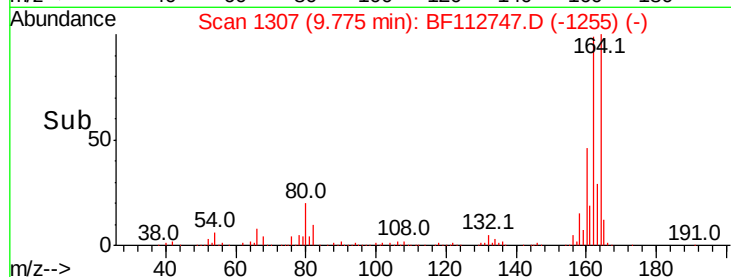
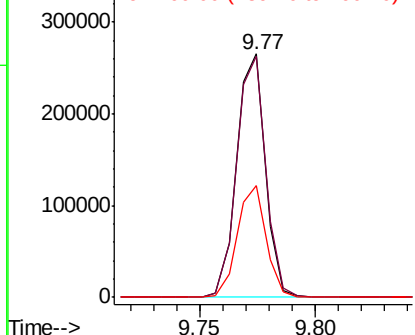
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	45.8	36.0	54.0

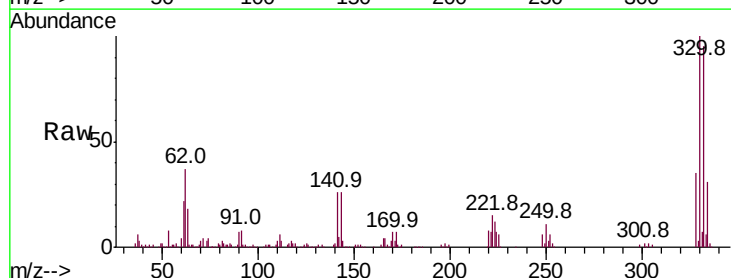


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

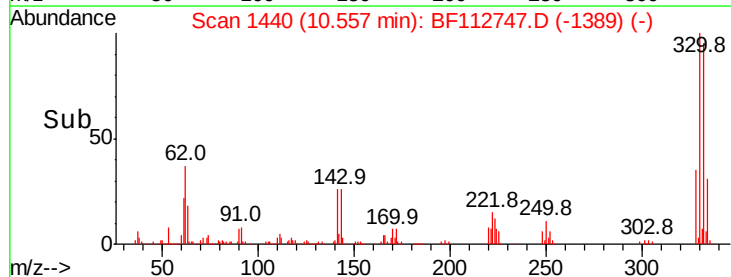
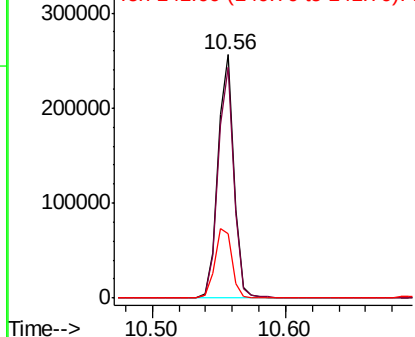


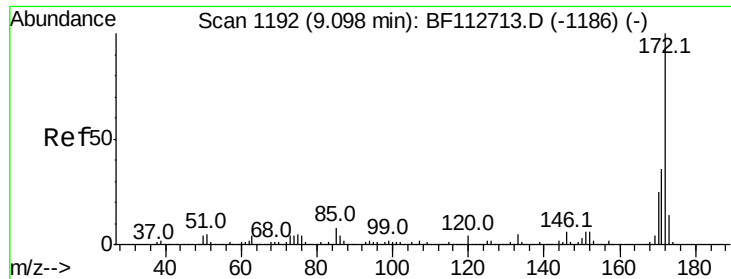
#42
2,4,6-Tribromophenol
Concen: 88.721 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.2	114.4
141	31.5	27.0	40.6



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

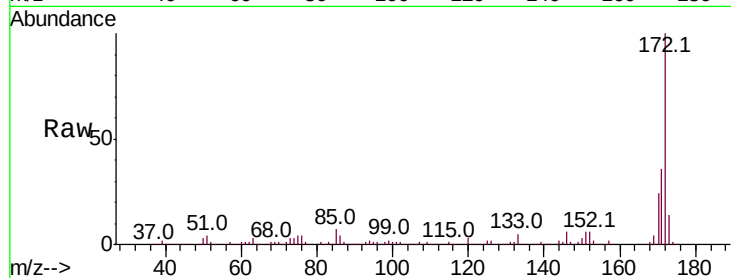




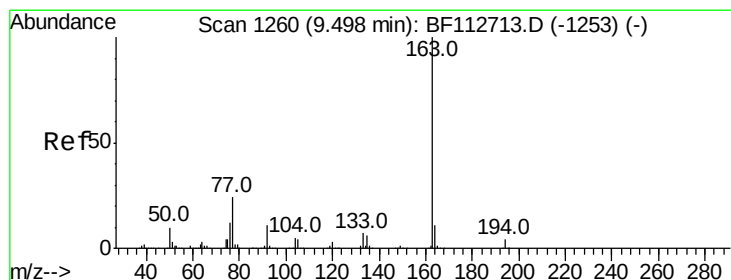
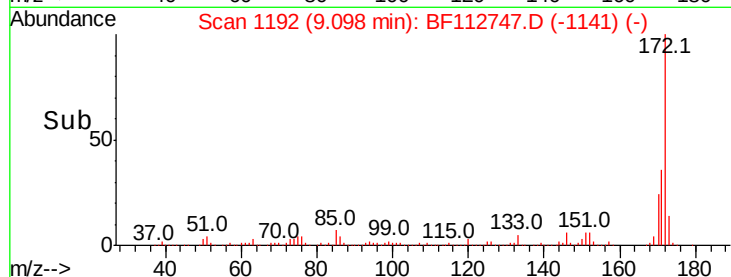
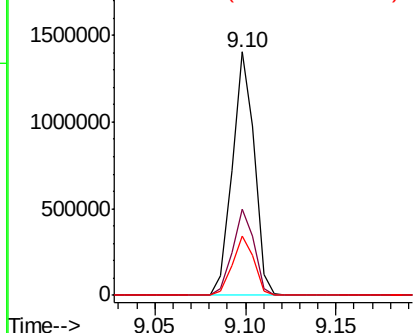
#45
2-Fluorobiphenyl
Concen: 89.385 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

Tot Ion:172 Resp: 1187996
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 24.2 20.0 30.0

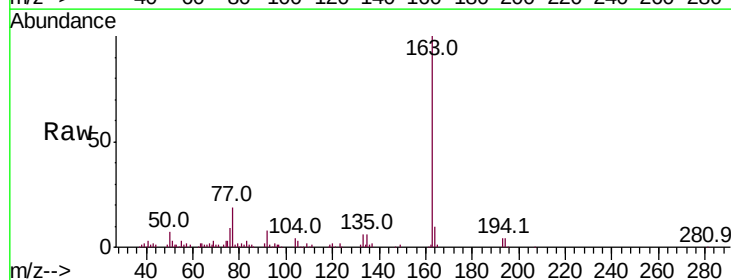


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

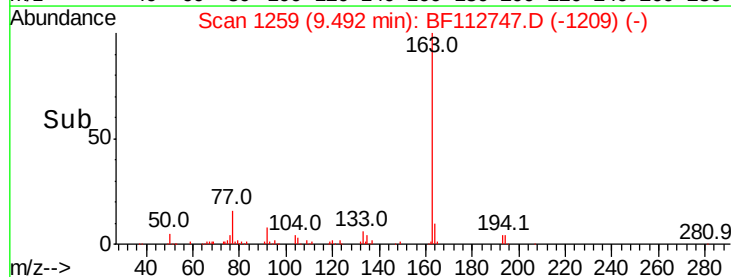
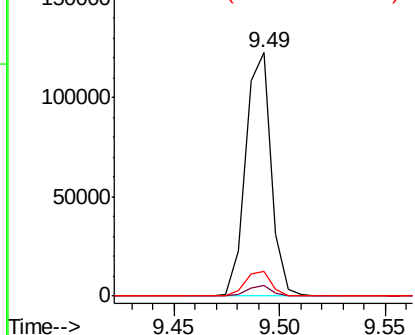


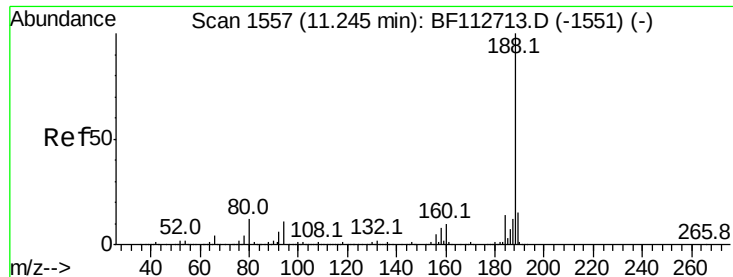
#50
Dimethylphthalate
Concen: 6.068 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Tgt Ion:163 Resp: 102828
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 10.3 8.4 12.6



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

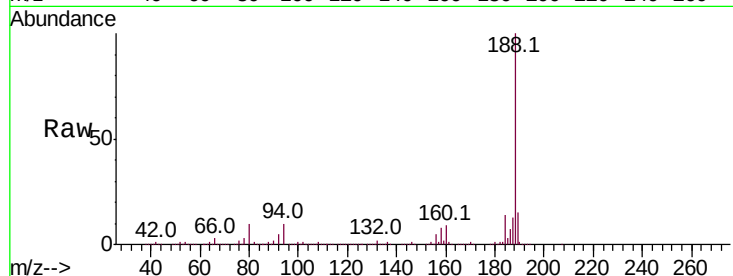
Tot Ion:188 Resp: 445977

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.4

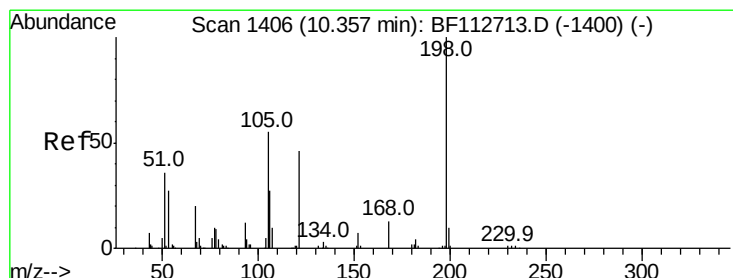
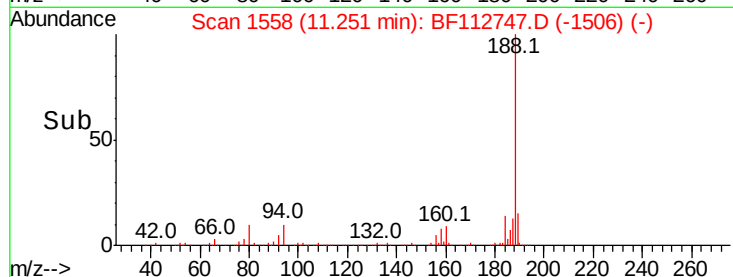
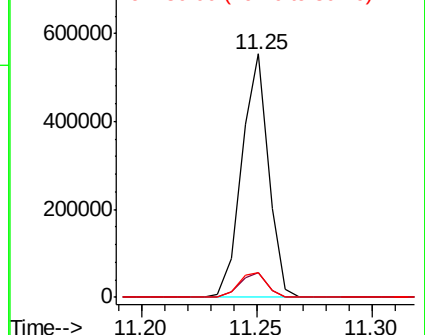
80 10.1 9.2 13.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.784 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

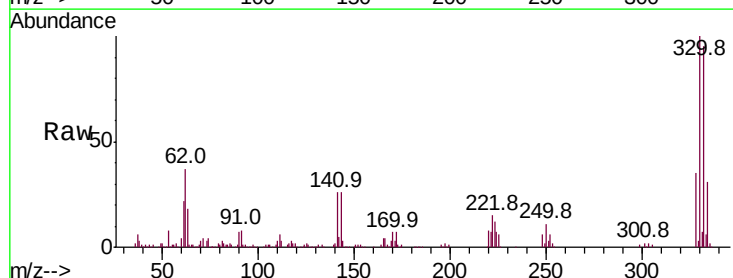
Tgt Ion:198 Resp: 347

Ion Ratio Lower Upper

198 100

51 160.5 43.8 83.8#

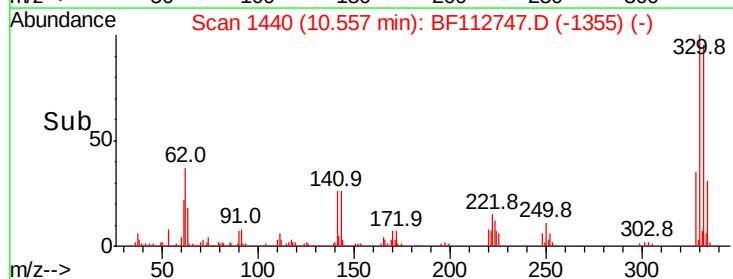
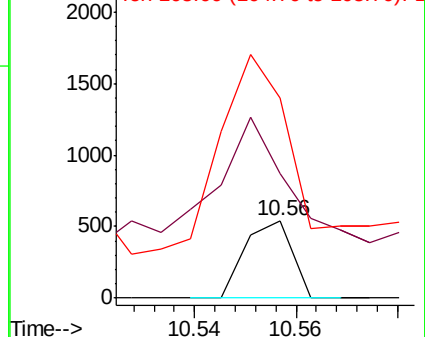
105 256.6 36.5 76.5#

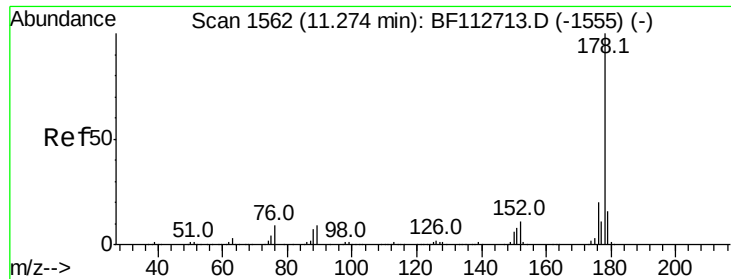


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 2.111 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

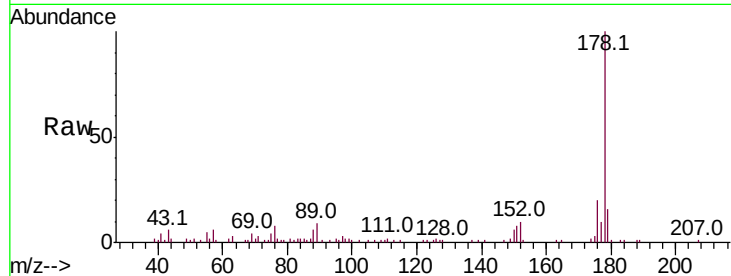
Tot Ion:178 Resp: 46832

Ion Ratio Lower Upper

178 100

176 19.8 16.3 24.5

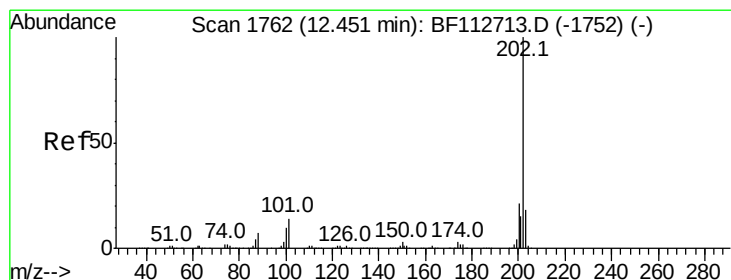
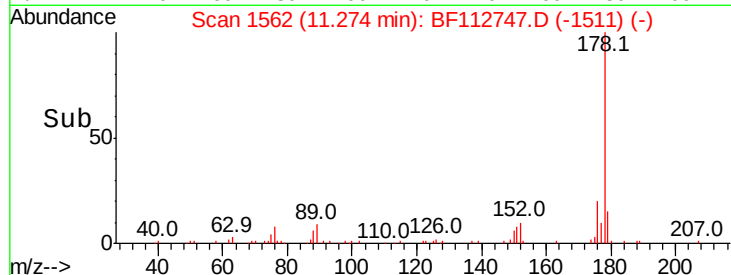
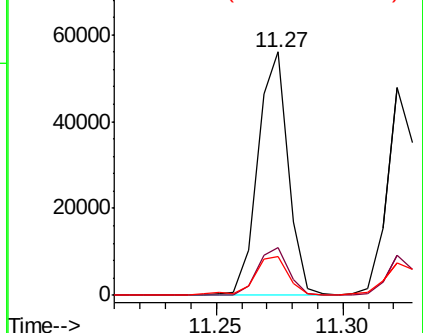
179 15.8 12.7 19.1



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: 2.089 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

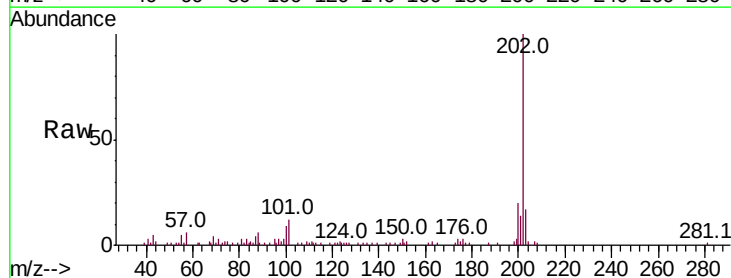
Tgt Ion:202 Resp: 49651

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.8

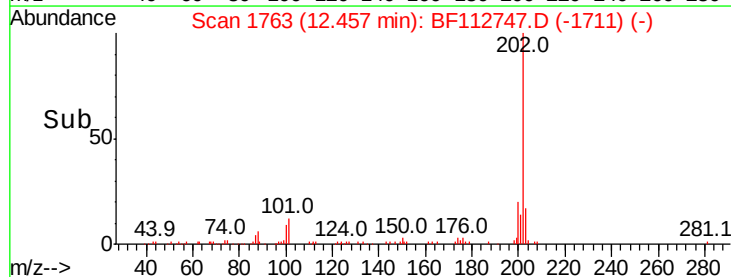
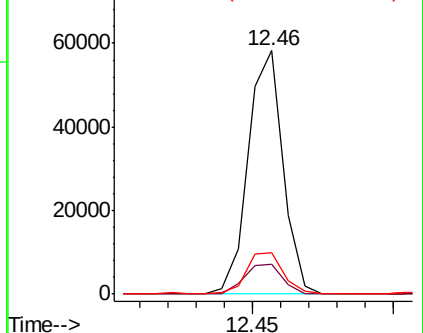
203 17.2 0.0 38.4

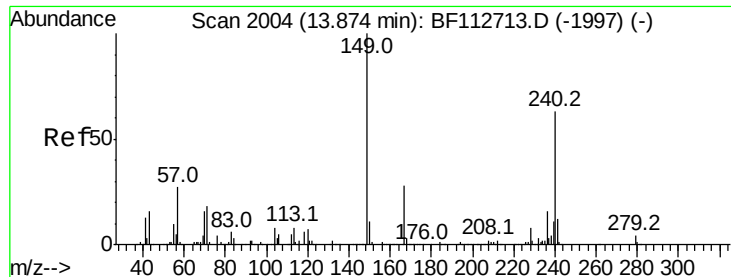


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

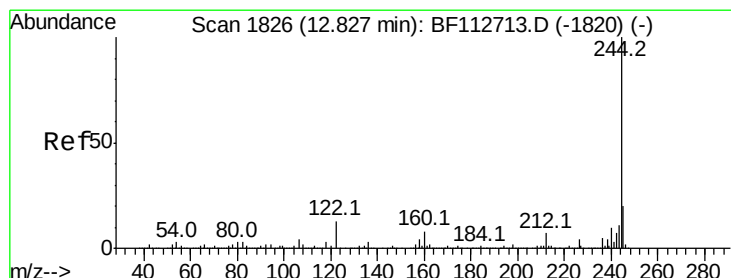
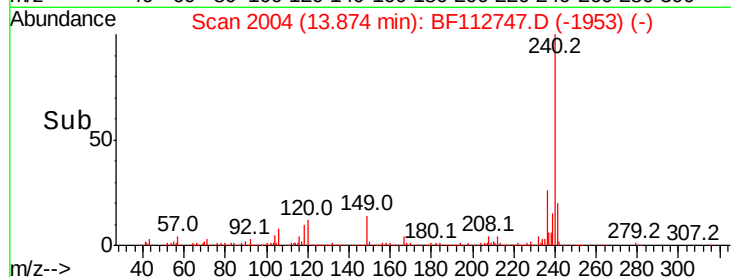
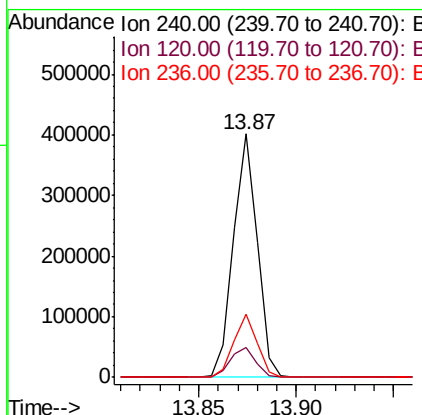
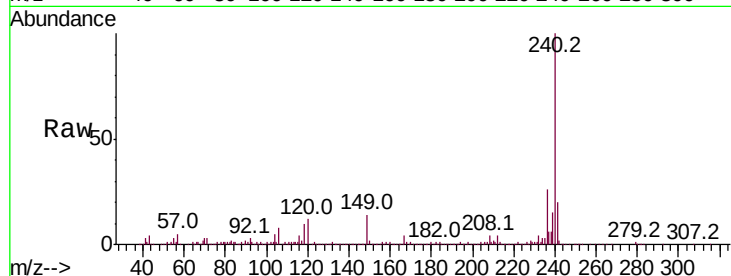




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

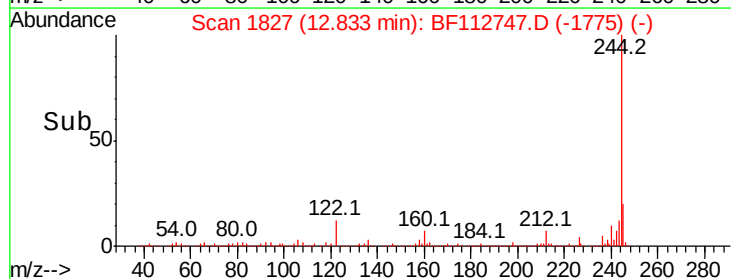
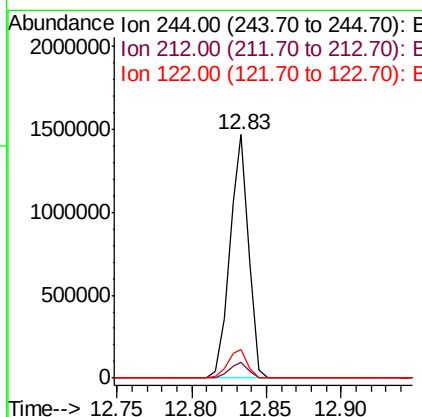
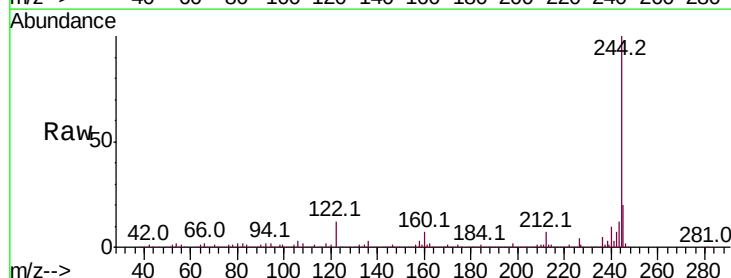
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

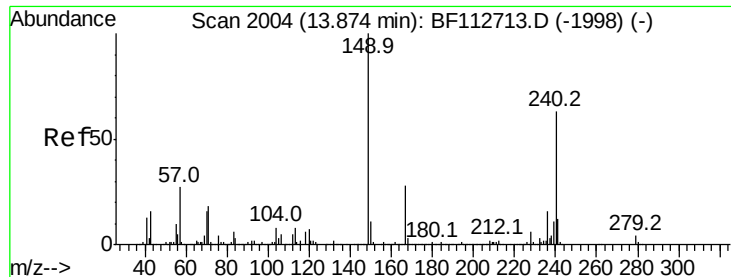
Tot Ion:	240	Resp:	340377
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.9	13.3
236	26.0	20.7	31.1



#79
 Terphenyl-d14
 Concen: 73.967 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

Tgt Ion:	244	Resp:	1298772
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.6	10.5	15.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.116 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

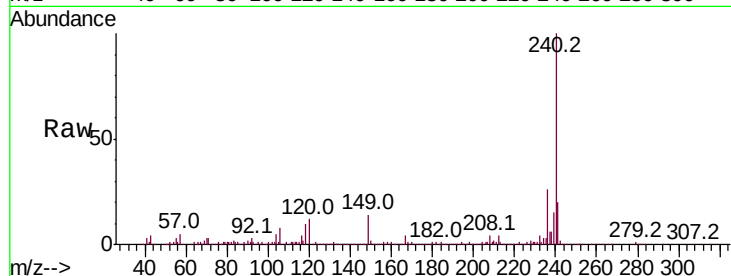
Tot Ion:149 Resp: 46290

Ion Ratio Lower Upper

149 100

167 26.6 22.4 33.6

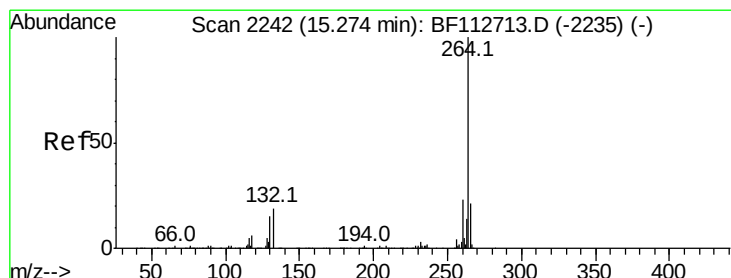
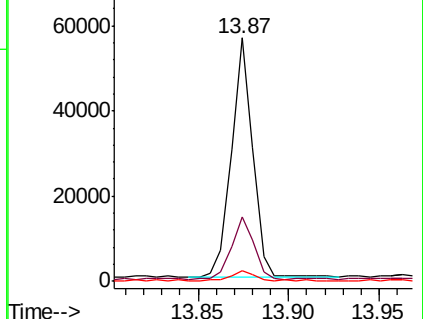
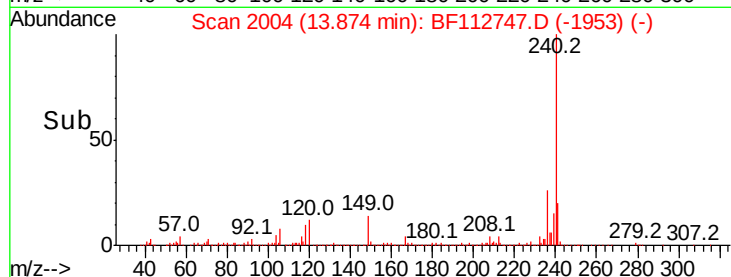
279 4.2 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112747.D

Acq: 28 Feb 2019 5:02

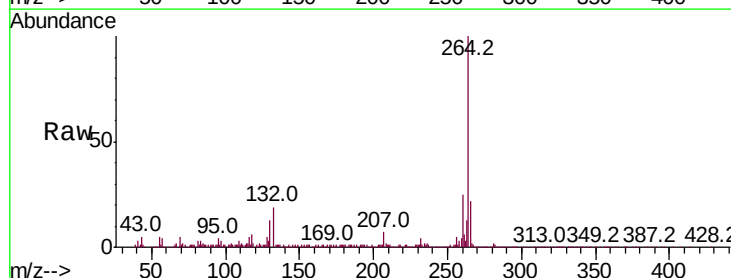
Tgt Ion:264 Resp: 230292

Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

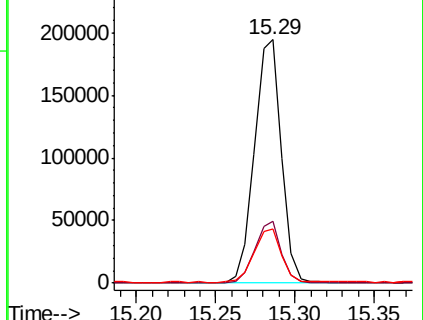
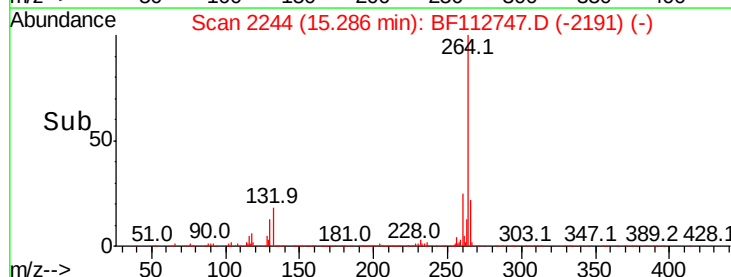
265 22.0 17.2 25.8

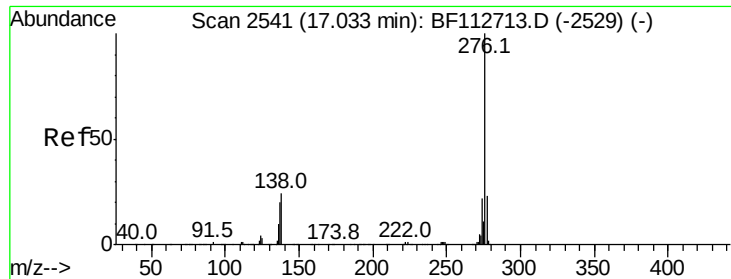


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

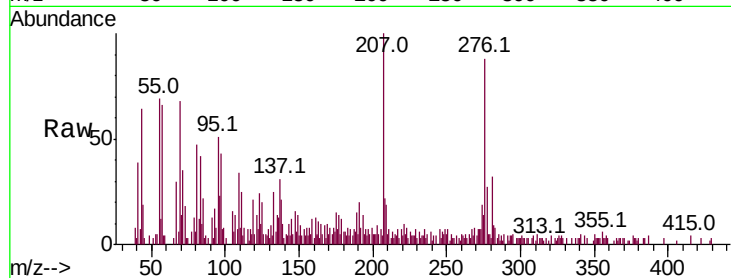




#92
 Benzo(a,h,i)perylene
 Concen: 2.117 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.4	18.6	27.8#
138	24.3	19.4	29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

