

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 06:46:23 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

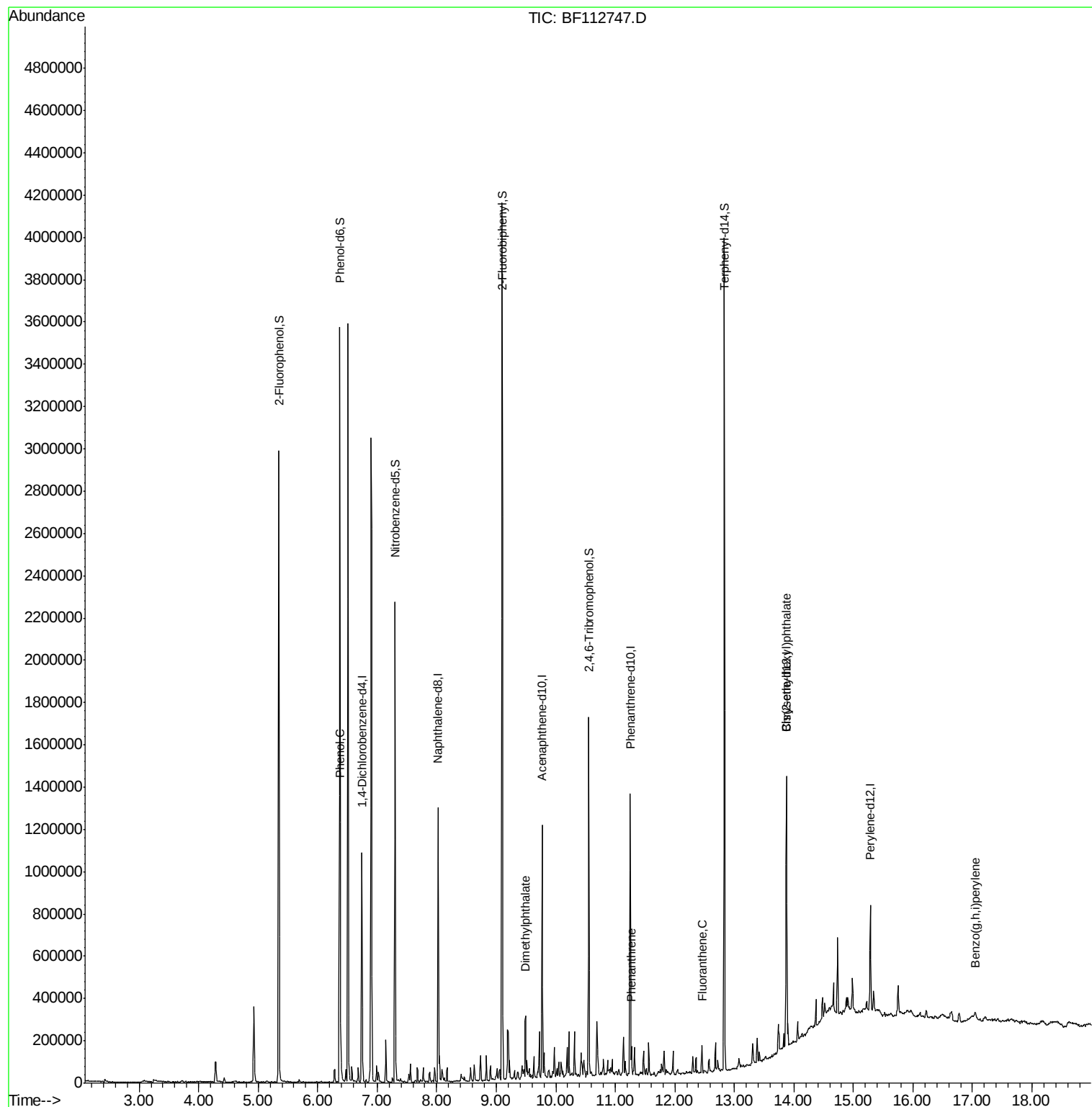
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160140	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	547161	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	229836	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	445977	20.00	ng	0.00
76) Chrysene-d12	13.87	240	340377	20.00	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
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

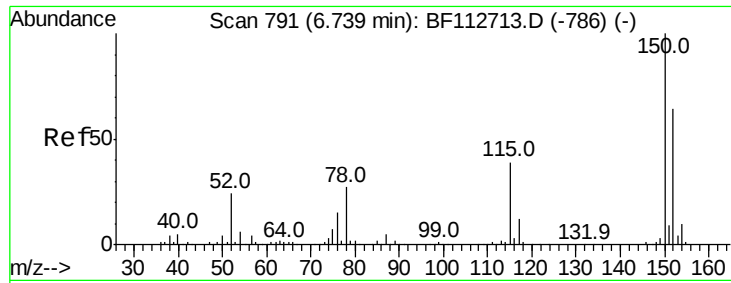
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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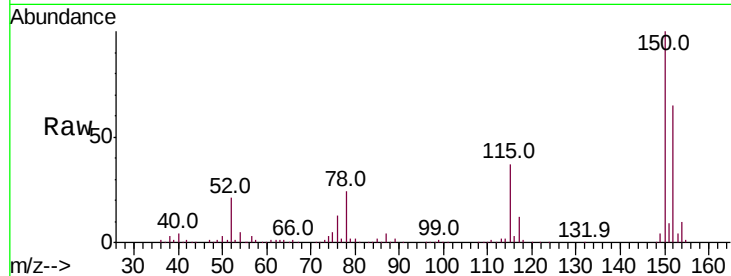


#1

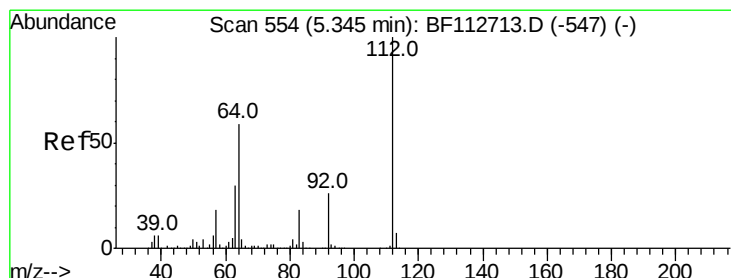
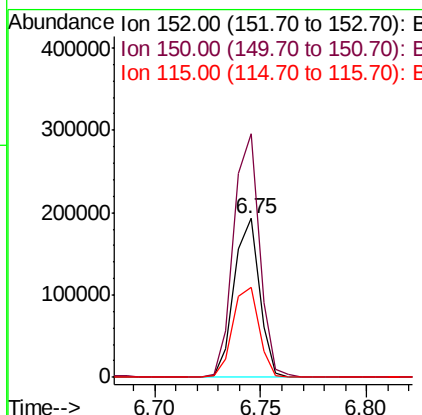
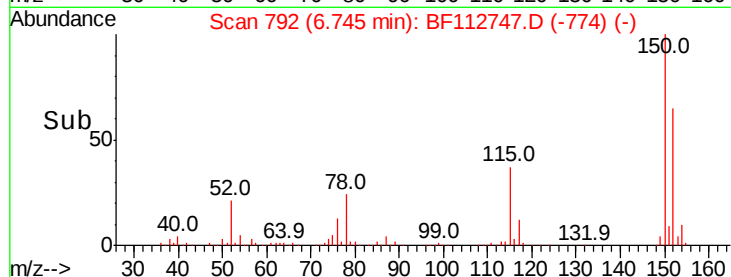
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

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



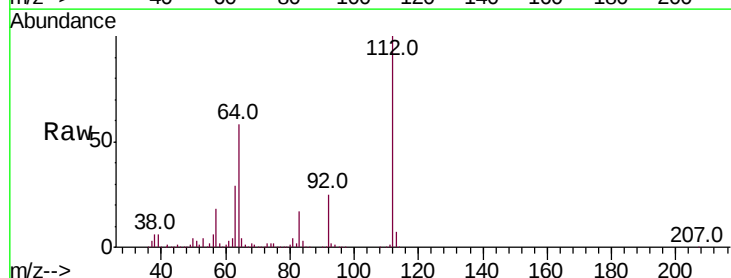
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



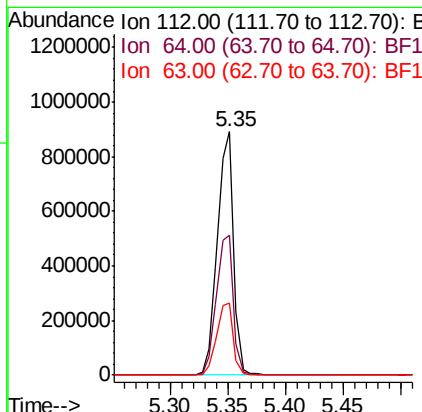
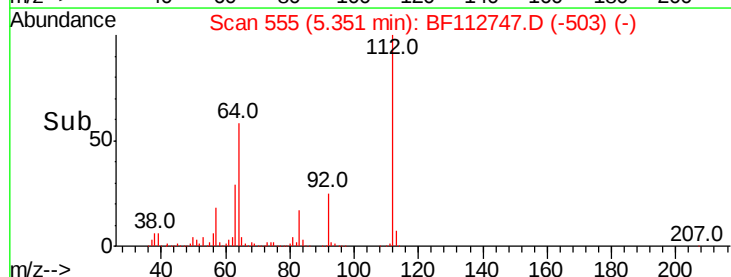
#5

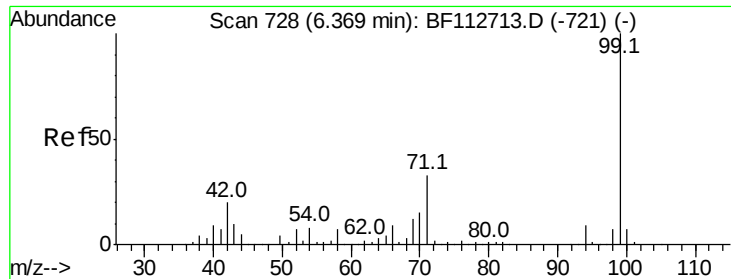
2-Fluorophenol
Concen: 84.503 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

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

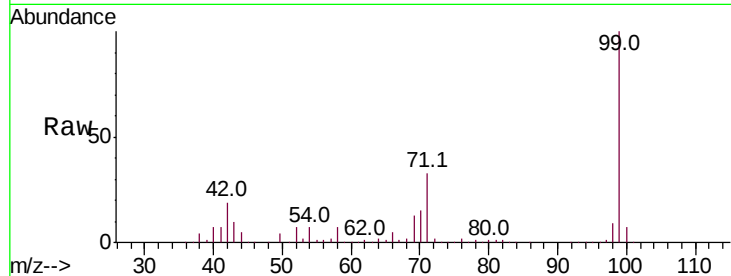
Tot Ion: 99 Resp: 1169835

Ion Ratio Lower Upper

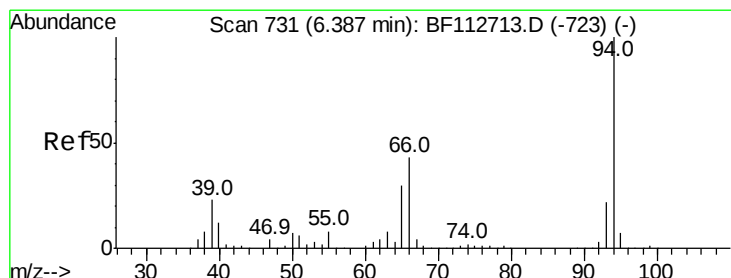
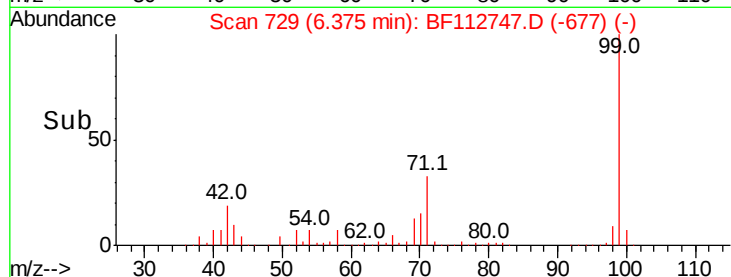
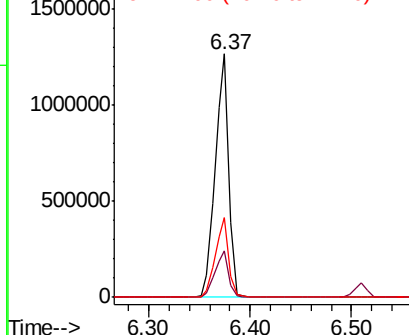
99 100

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

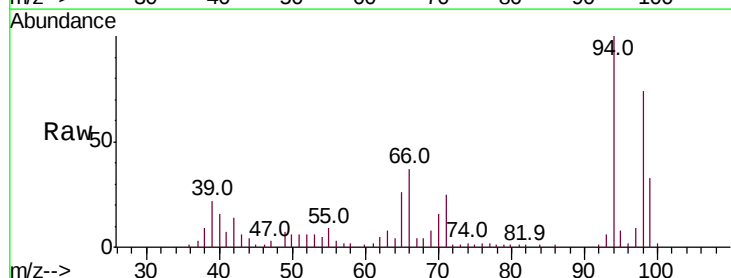
Tgt Ion: 94 Resp: 40222

Ion Ratio Lower Upper

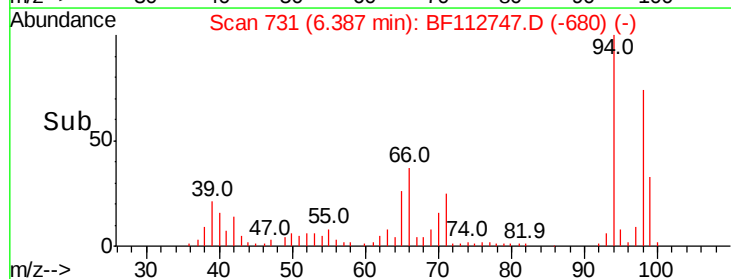
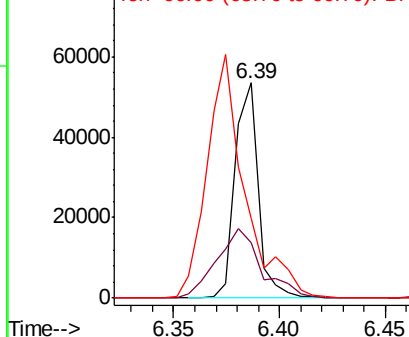
94 100

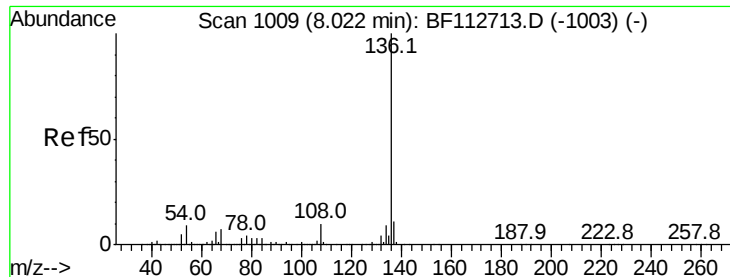
65 25.8 10.5 50.5

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

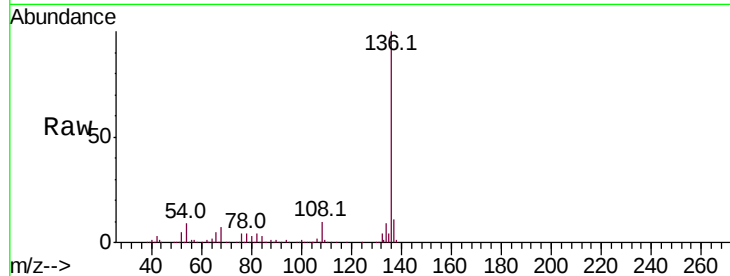




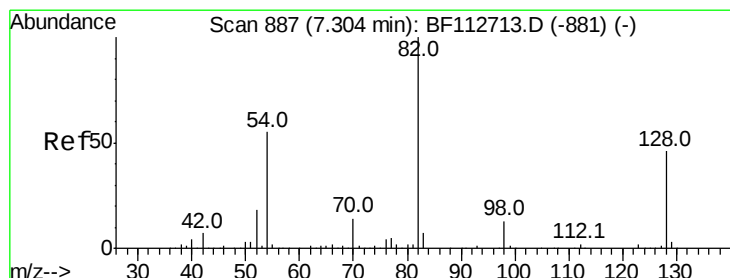
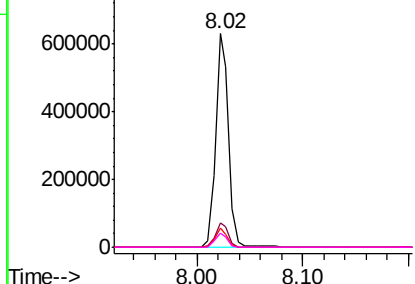
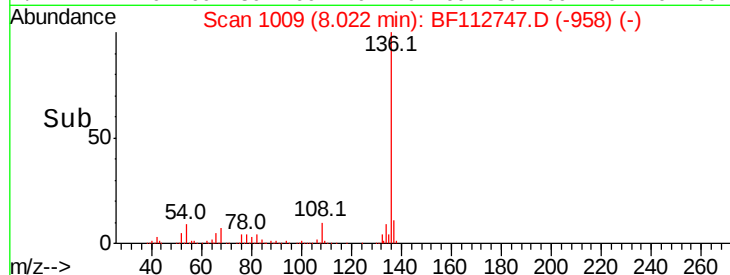
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

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

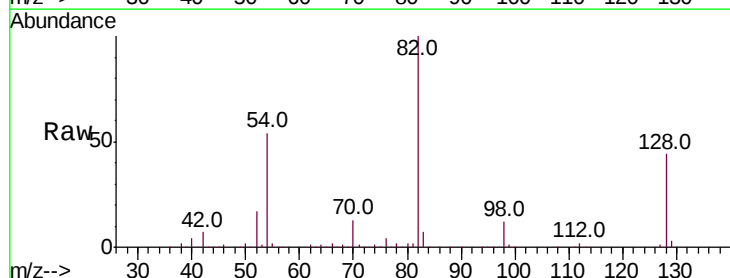


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

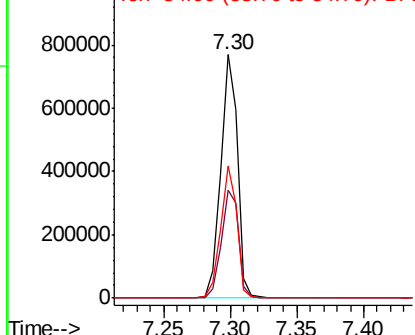
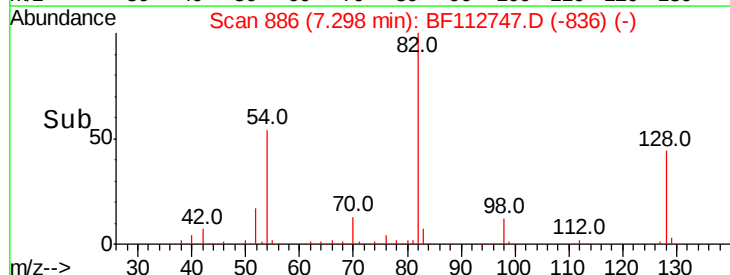


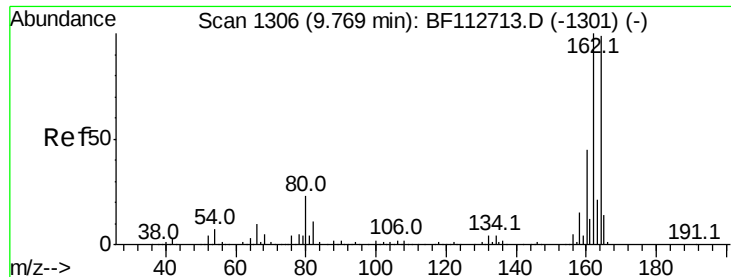
#23
Nitrobenzene-d5
Concen: 74.750 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

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
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

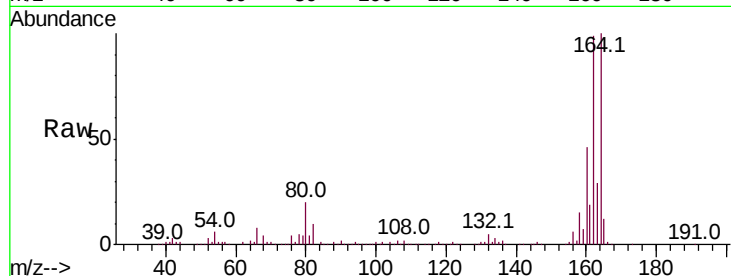




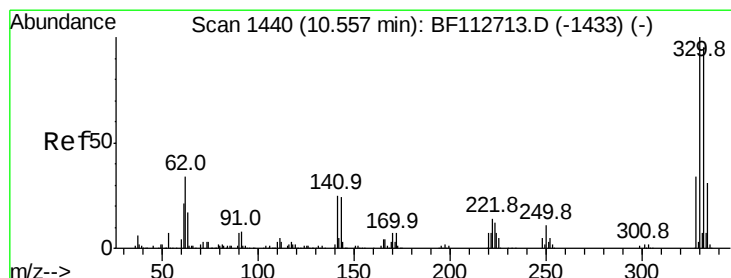
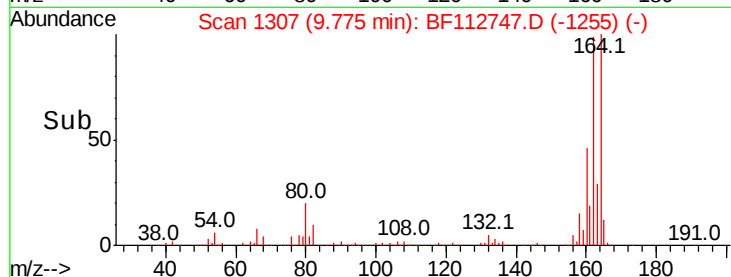
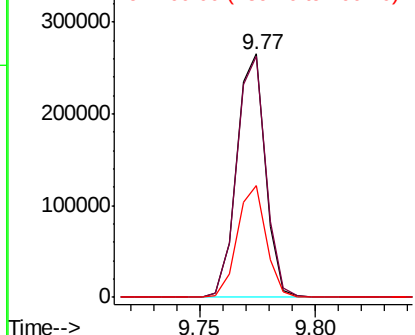
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

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

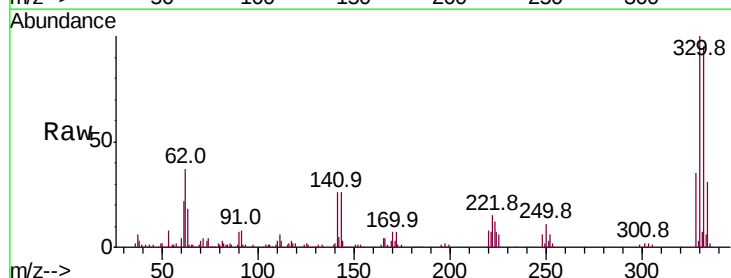


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

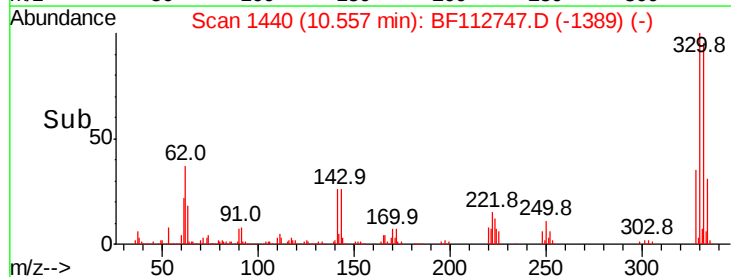
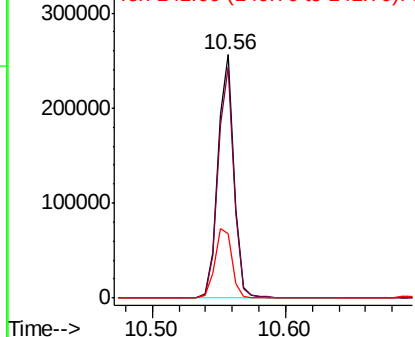


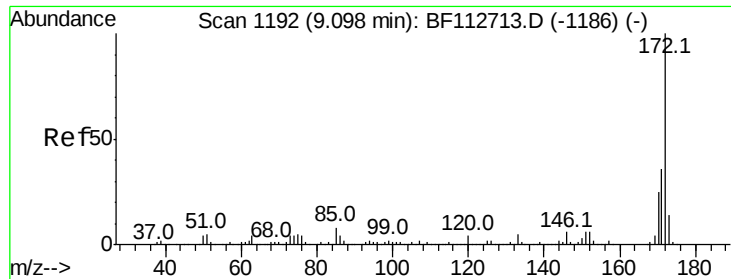
#42
 2,4,6-Tribromophenol
 Concen: 88.721 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

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



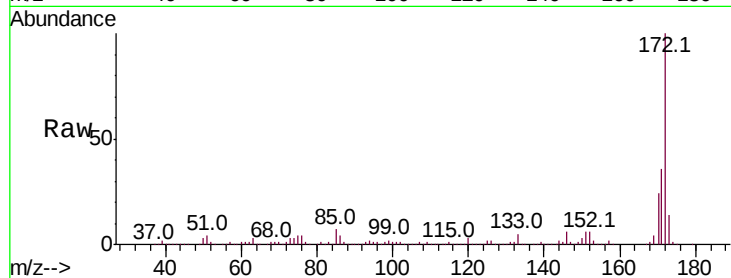


#45
 2-Fluorobiphenyl
 Concen: 89.385 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

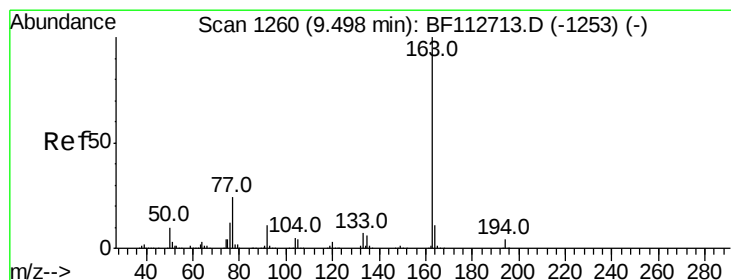
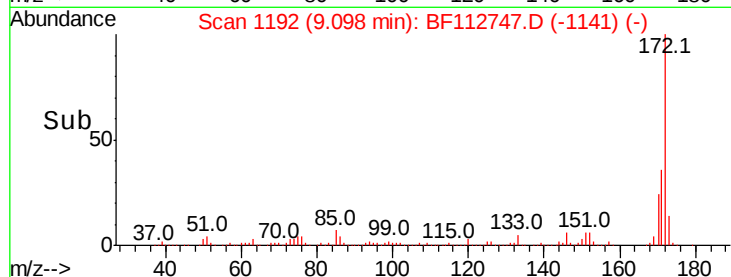
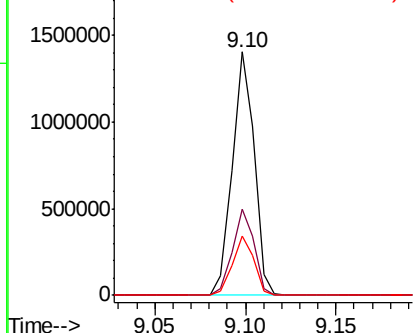
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

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



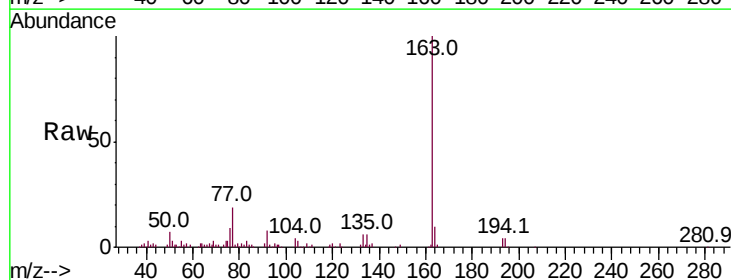
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



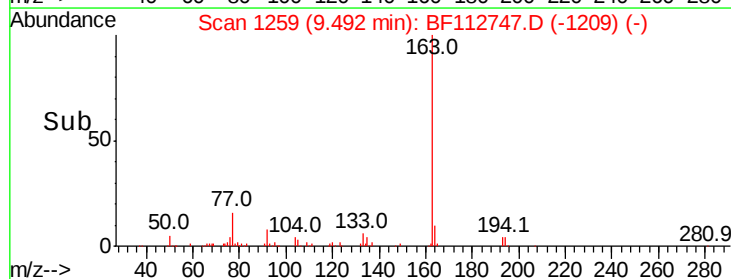
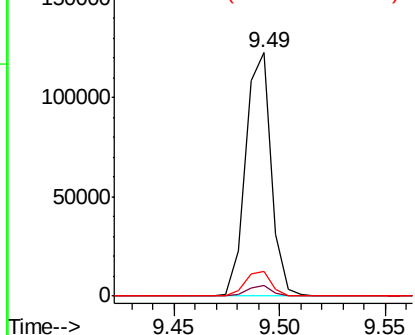
#50
 Dimethylphthalate
 Concen: 6.068 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: BF112747.D
 Acq: 28 Feb 2019 5:02

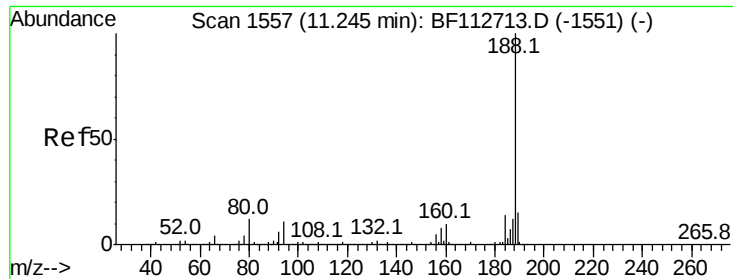
Tgt Ion:163 Resp: 102828

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

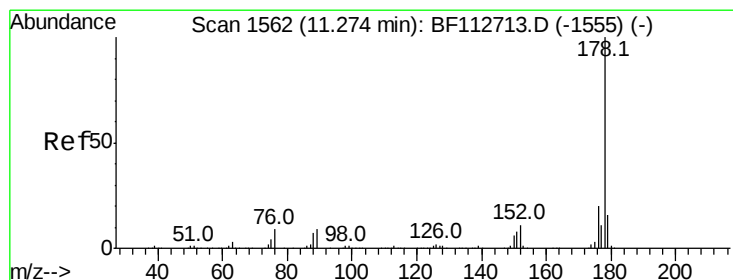
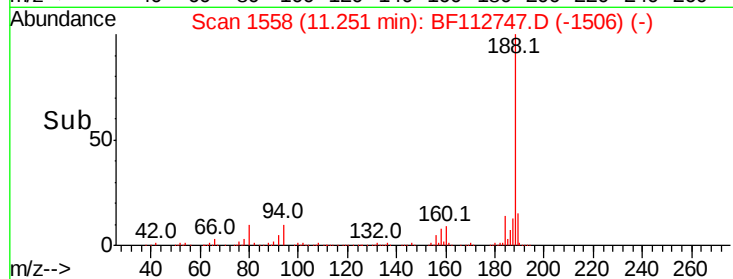
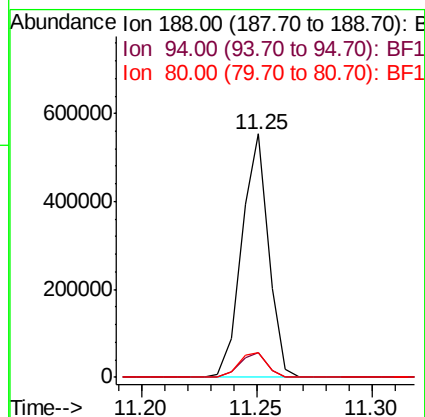
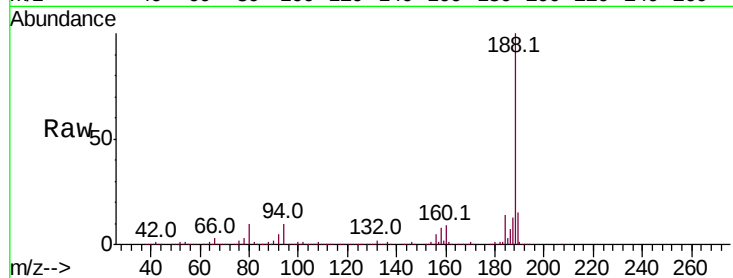




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

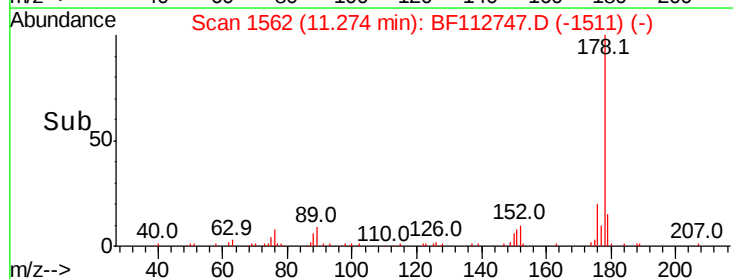
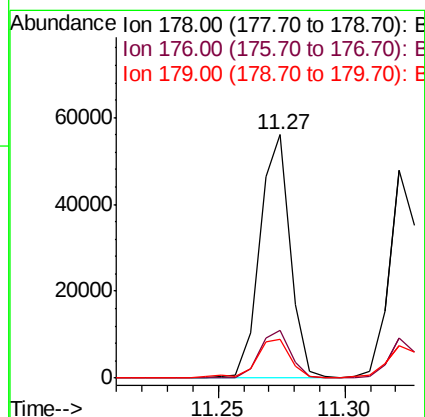
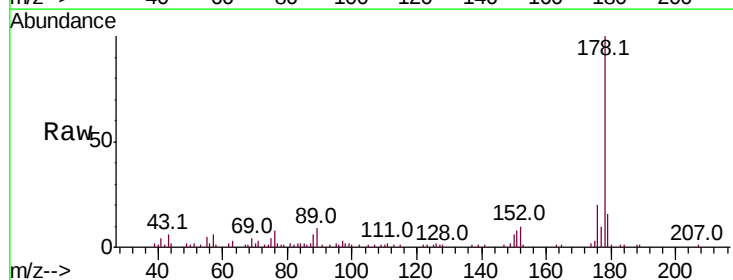
Instrument :
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CONCRETE-1

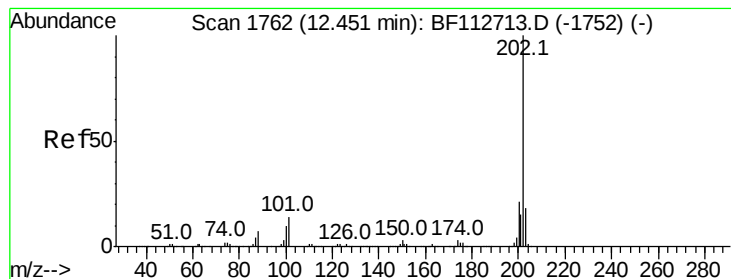
Tot Ion:188 Resp: 445977
Ion Ratio Lower Upper
188 100
94 9.9 9.0 13.4
80 10.1 9.2 13.8



#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

Tgt Ion:178 Resp: 46832
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.8 12.7 19.1





#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

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

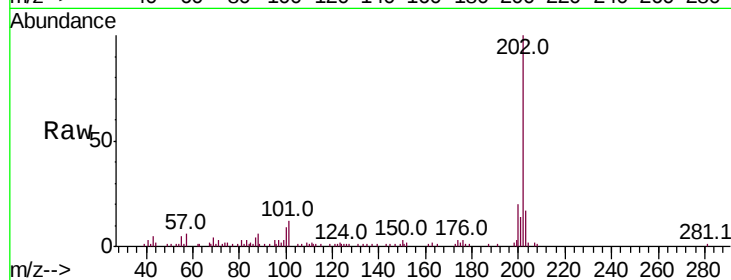
Tot Ion:202 Resp: 49651

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.8

203 17.2 0.0 38.4

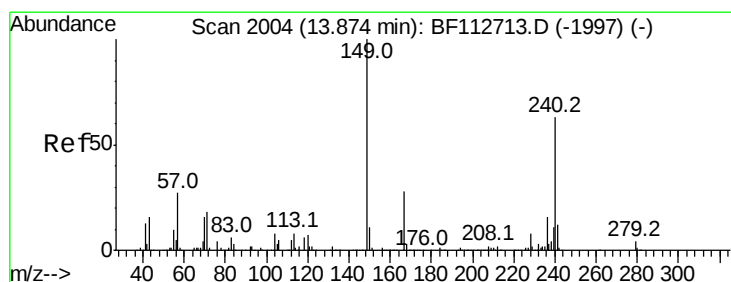
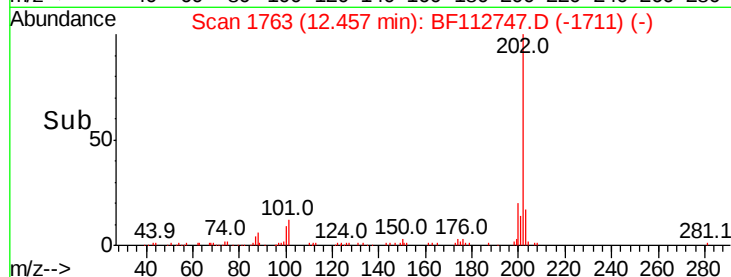
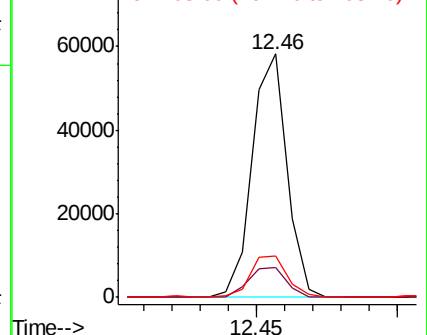


Abundance

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

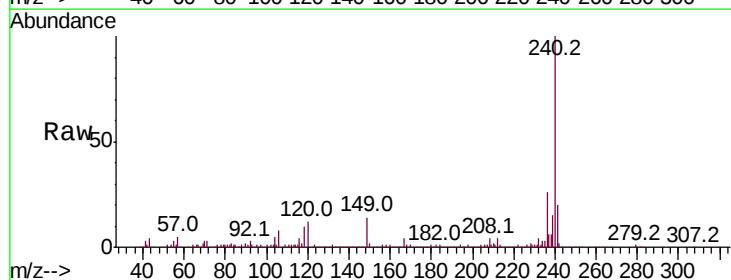
Tgt Ion:240 Resp: 340377

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

236 26.0 20.7 31.1

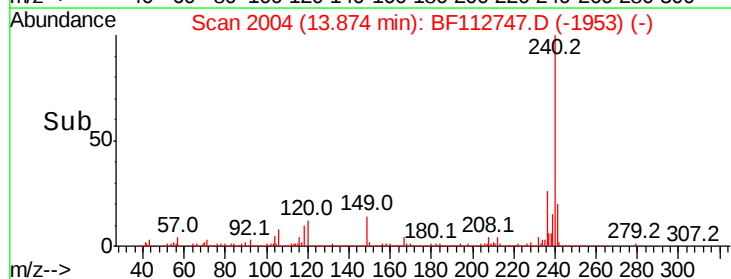
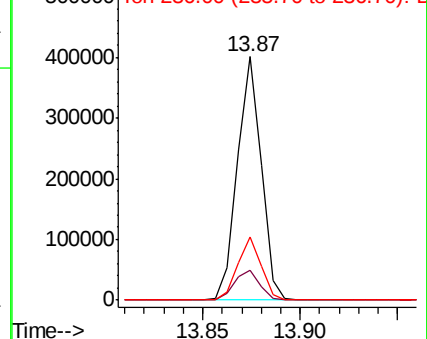


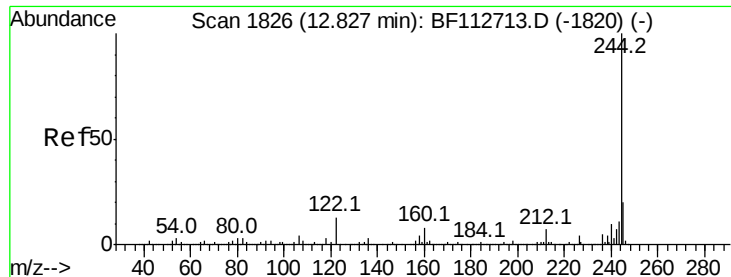
Abundance

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: 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

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

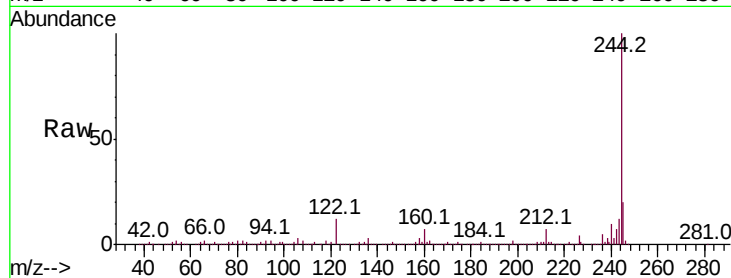
Tot Ion:244 Resp: 1298772

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

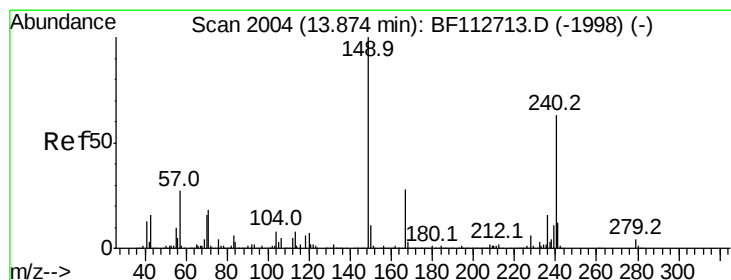
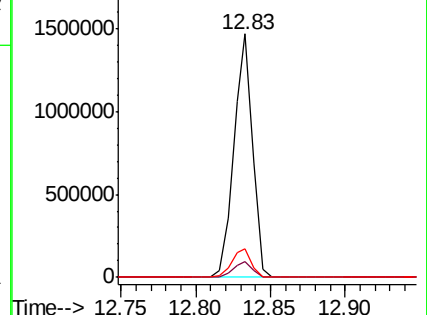
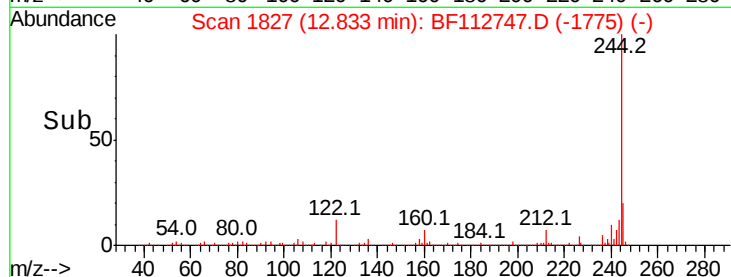
122 11.6 10.5 15.7



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



#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

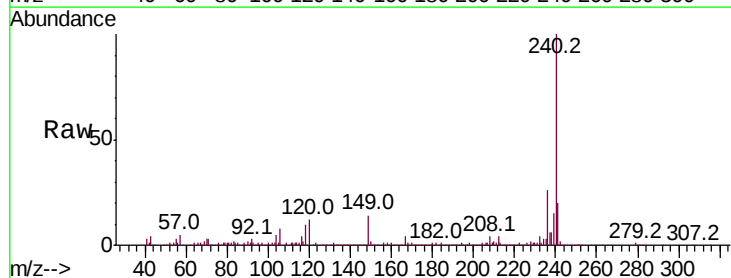
Tgt Ion:149 Resp: 46290

Ion Ratio Lower Upper

149 100

167 26.6 22.4 33.6

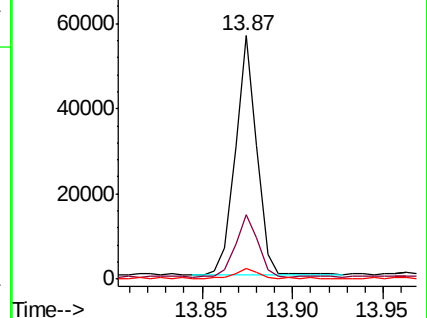
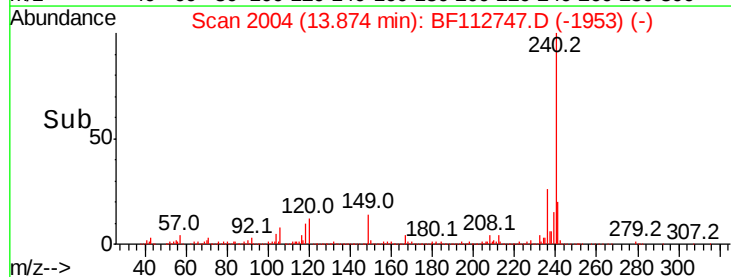
279 4.2 3.3 4.9

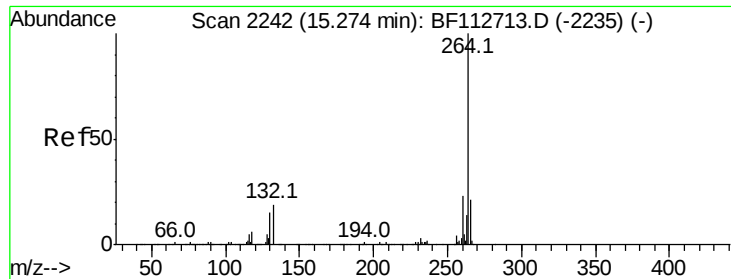


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



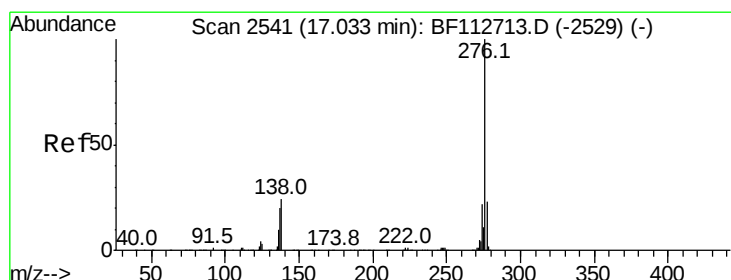
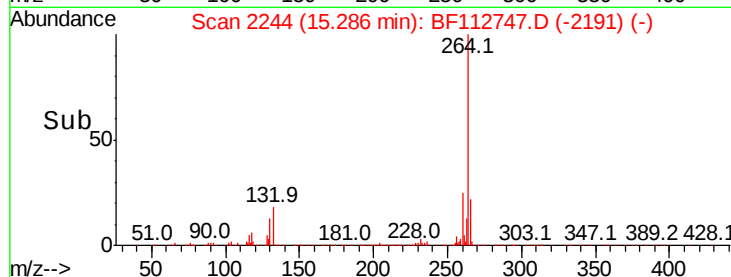
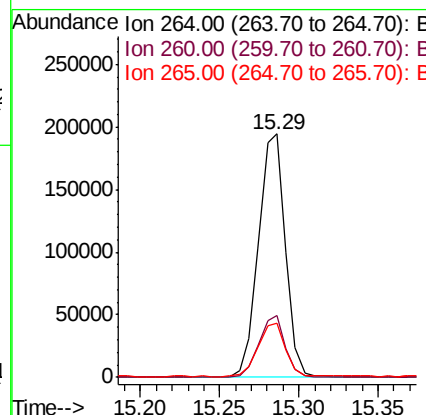
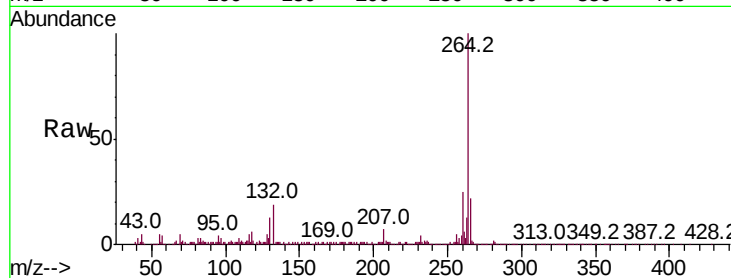


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112747.D
Acq: 28 Feb 2019 5:02

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

Tot Ion:264 Resp: 230292

Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.7	28.1
265	22.0	17.2	25.8



#92
Benzo(g,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

Tgt Ion:276 Resp: 23900

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

