

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000894.D
 Acq On : 18 Oct 2019 22:40
 Operator : JU
 Sample : K5415-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BS-CONCRETE

Quant Time: Oct 19 02:22:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 16:40:44 2019
 Response via : Initial Calibration

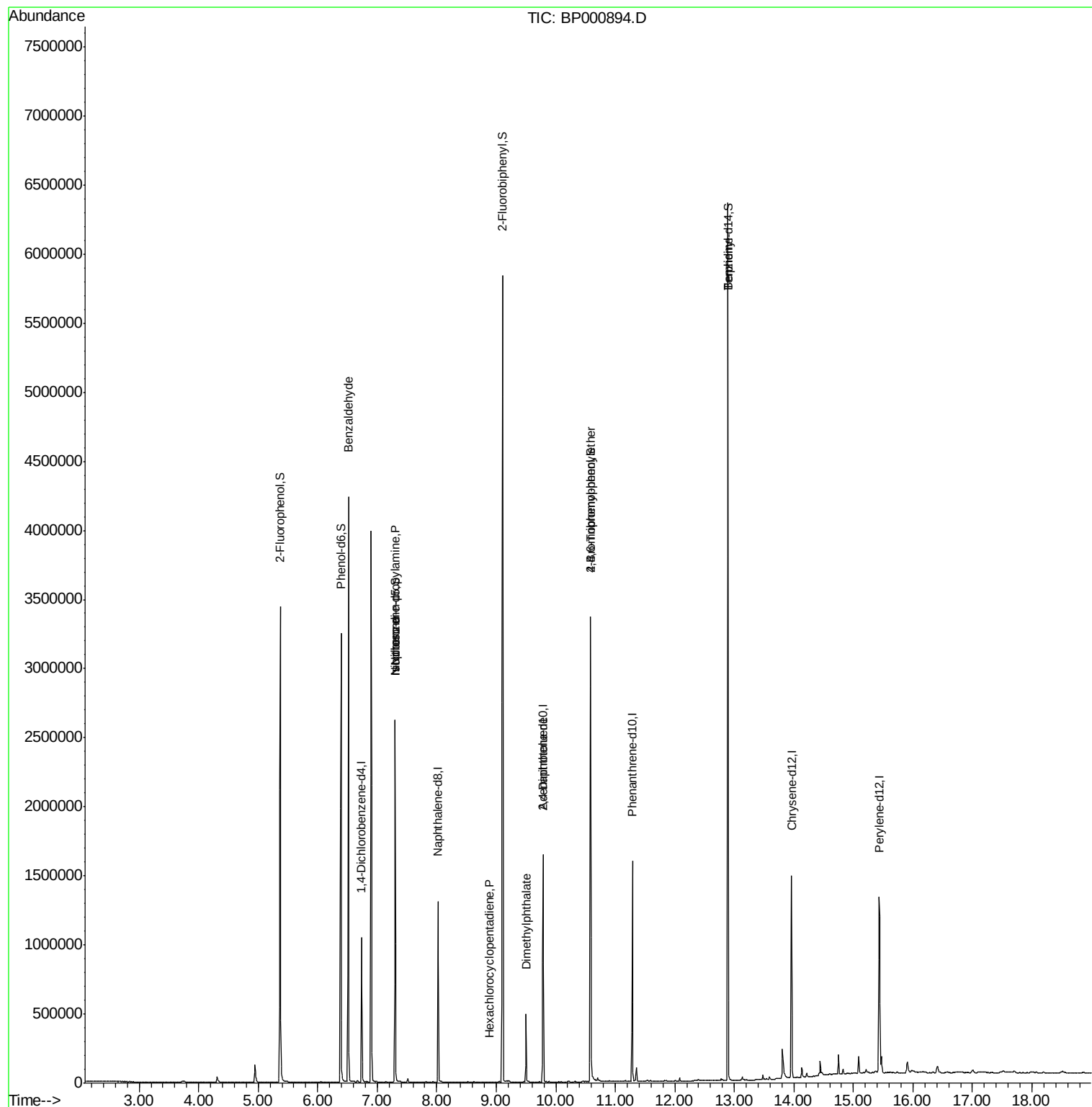
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	153961	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	544258	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	301481	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	565049	20.00	ng	0.00
76) Chrysene-d12	13.96	240	507201	20.00	ng	0.00
87) Perylene-d12	15.43	264	583781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1116478	116.57	ng	0.00
7) Phenol-d6	6.39	99	1427296	123.66	ng	0.00
23) Nitrobenzene-d5	7.30	82	803015	90.11	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	464639	144.63	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1863292	100.00	ng	0.00
79) Terphenyl-d14	12.89	244	2297093	91.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	24394	4.058	ng	82
19) n-Nitroso-di-n-propylamine	7.30	70	101121	19.007	ng	# 74
25) Isophorone	7.30	82	802503	50.741	ng	# 61
41) Hexachlorocyclopentadiene	8.90	237	29	7.304	ng	95
50) Dimethylphthalate	9.50	163	208462	9.951	ng	99
57) 2,4-Dinitrotoluene	9.79	165	39534	6.527	ng	# 31
67) 4-Bromophenyl-phenylether	10.59	248	30803	4.843	ng	# 1
77) Benzidine	12.89	184	30586	2.082	ng	# 94

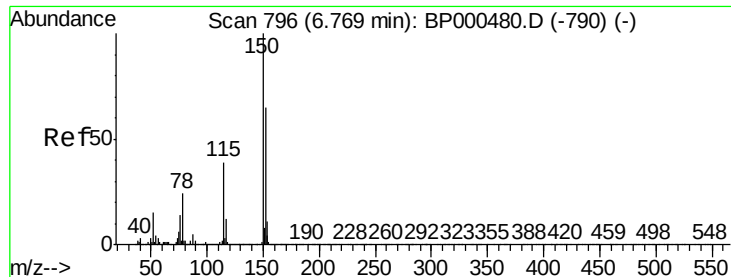
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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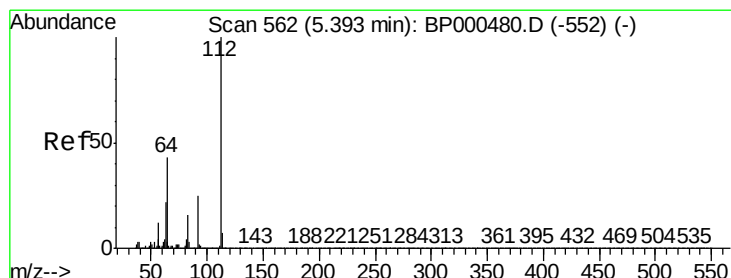
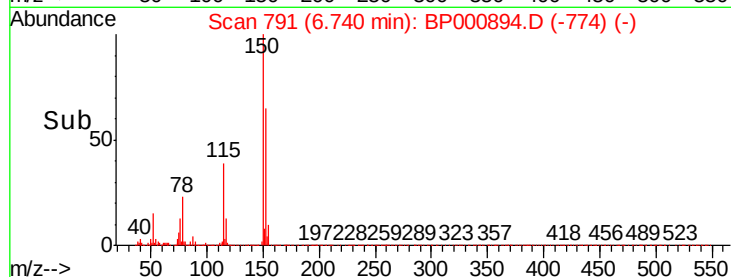
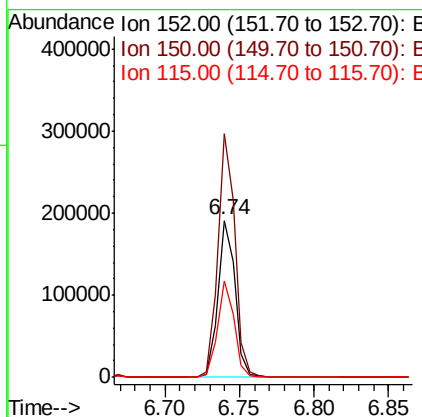
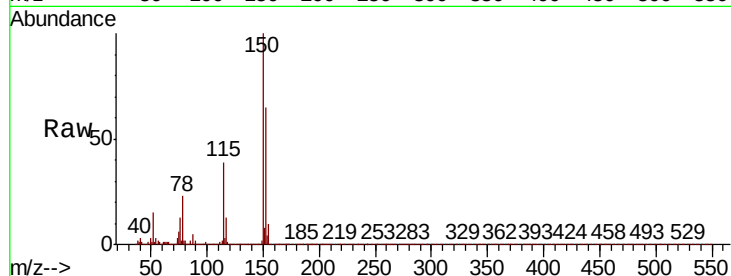


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Instrument :
BNA_P
ClientSampleId :
BS-CONCRETE

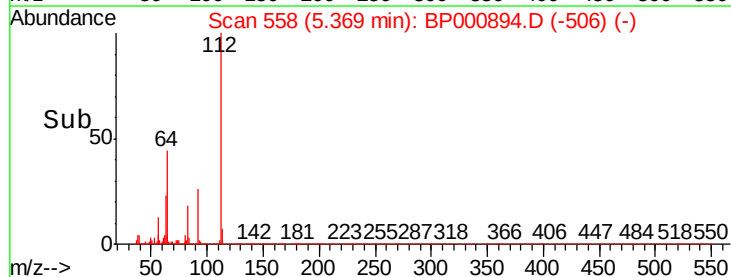
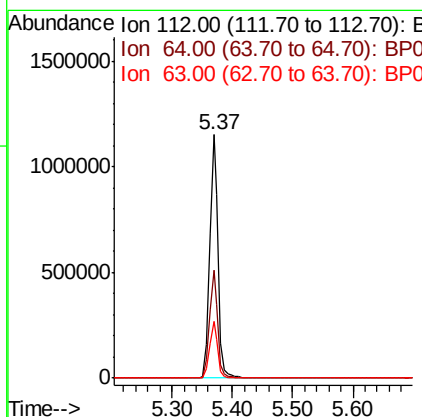
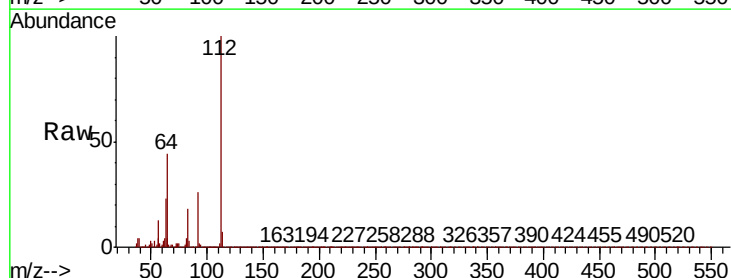
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.8	185.8
115	61.1	46.8	70.2

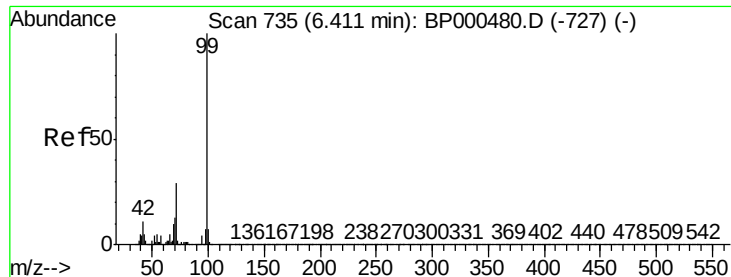


#5

2-Fluorophenol
Concen: 116.567 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.01 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.1	33.9	50.9
63	23.2	17.4	26.0





#7

Phenol-d6

Concen: 123.662 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Instrument :

BNA_P

ClientSampleId :

BS-CONCRETE

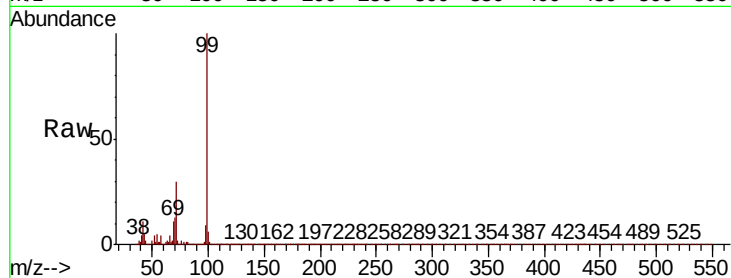
Tot Ion: 99 Resp: 1427296

Ion Ratio Lower Upper

99 100

42 10.8 8.7 13.1

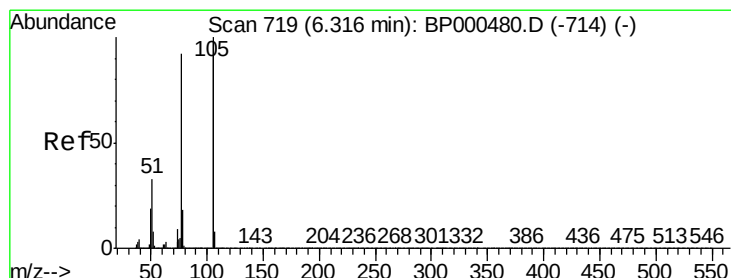
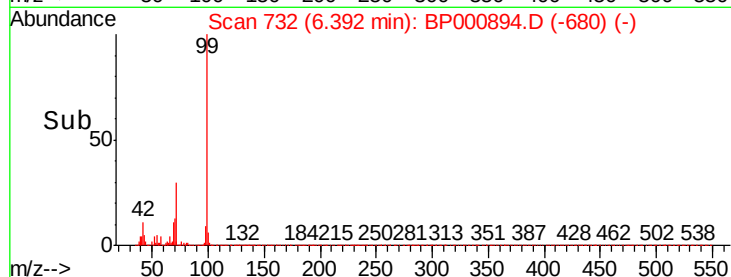
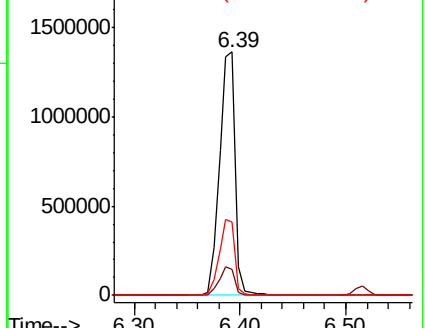
71 30.3 24.1 36.1



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: 4.058 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.23 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

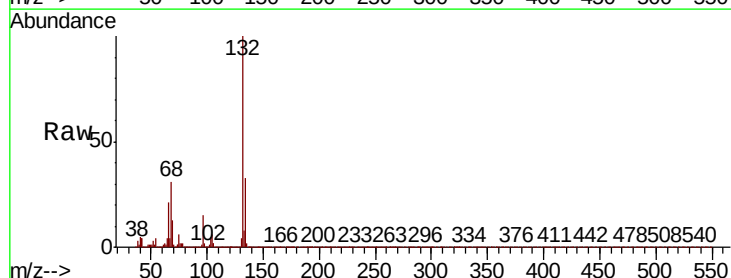
Tgt Ion: 77 Resp: 24394

Ion Ratio Lower Upper

77 100

105 92.6 90.5 130.5

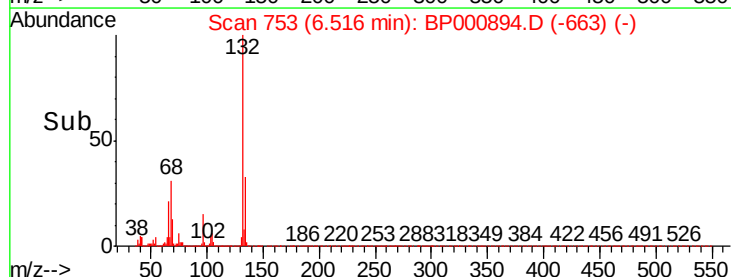
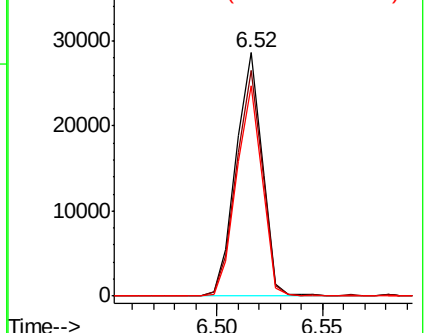
106 86.5 85.5 125.5

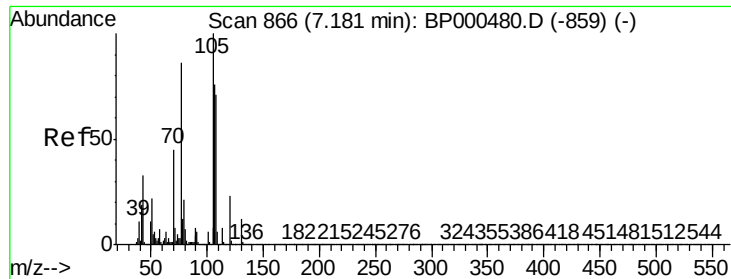


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

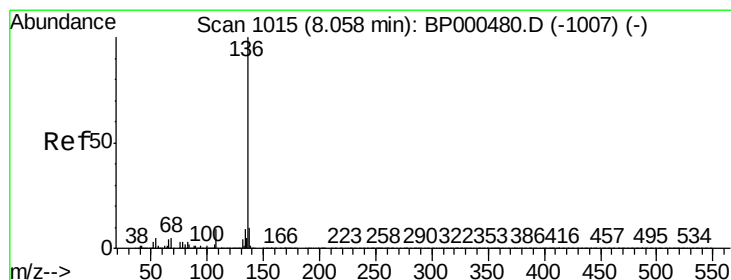
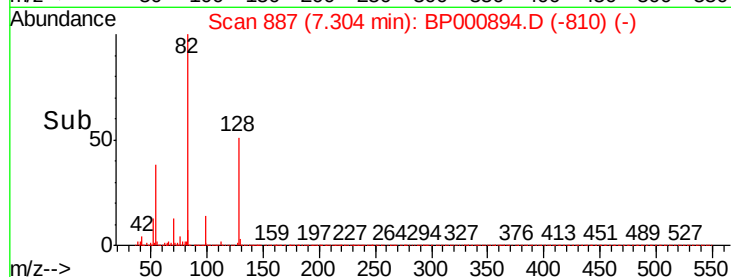
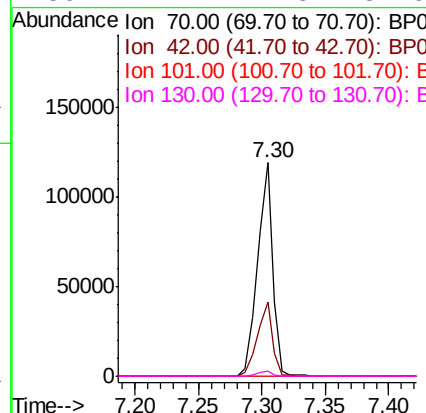
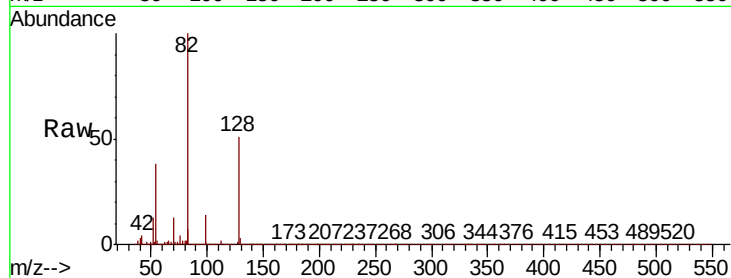




#19
n-Nitroso-di-n-propylamine
Concen: 19.007 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.15 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

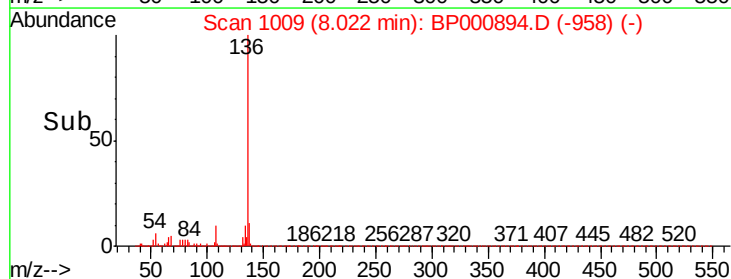
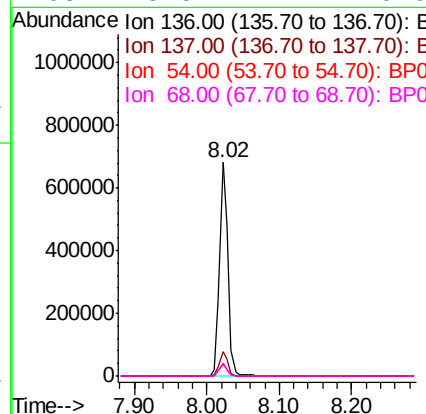
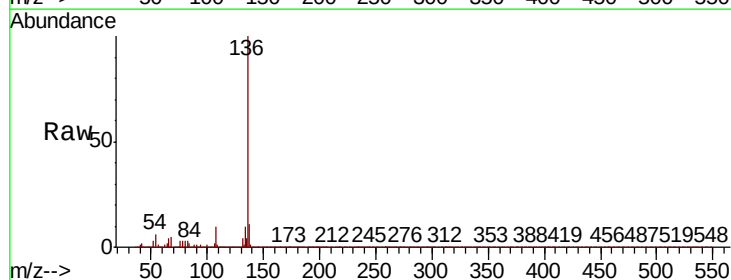
Instrument :
BNA_P
ClientSampleId :
BS-CONCRETE

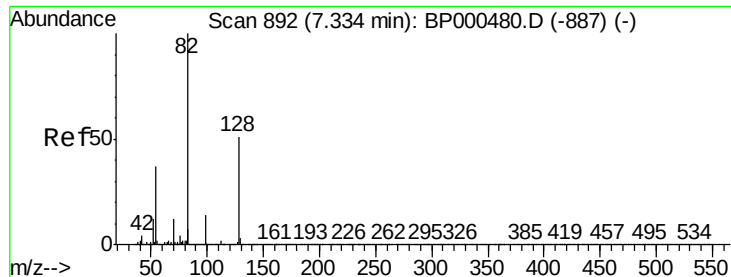
Tot Ion:	70	Resp:	101121
Ion	Ratio	Lower	Upper
70	100		
42	34.8	34.0	51.0
101	0.0	9.5	14.3#
130	2.7	21.3	31.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Tgt Ion:	136	Resp:	544258
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.7	4.6	6.8
68	5.5	4.4	6.6

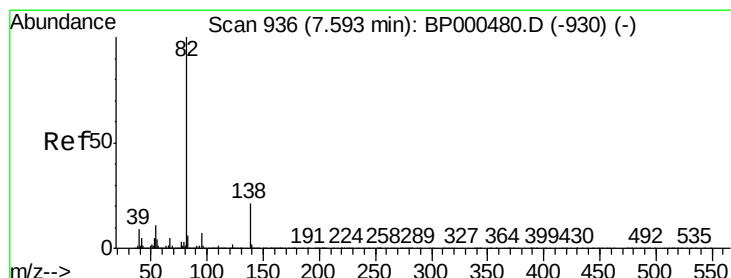
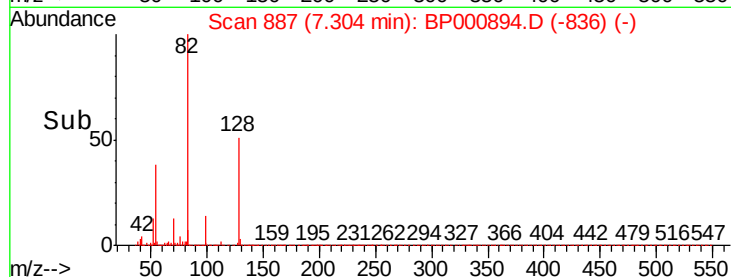
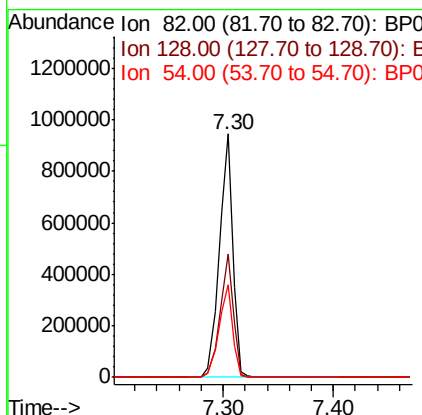
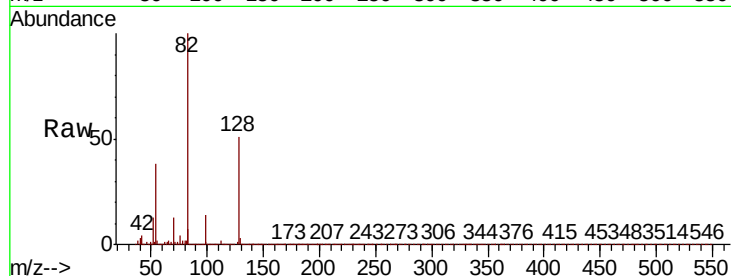




#23
Nitrobenzene-d5
Concen: 90.112 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

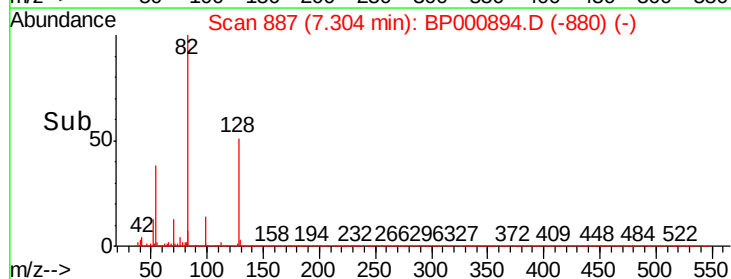
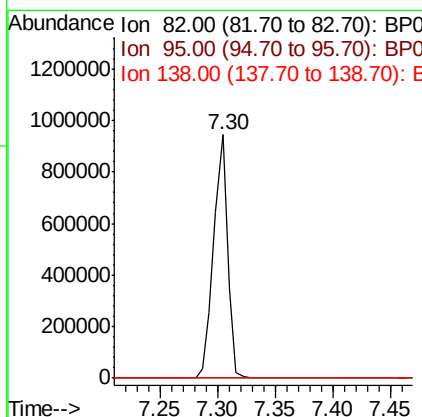
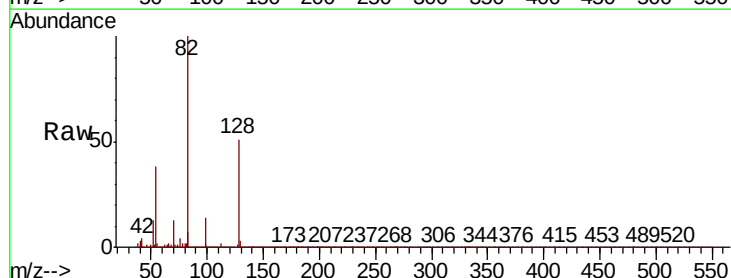
Instrument :
BNA_P
ClientSampleId :
BS-CONCRETE

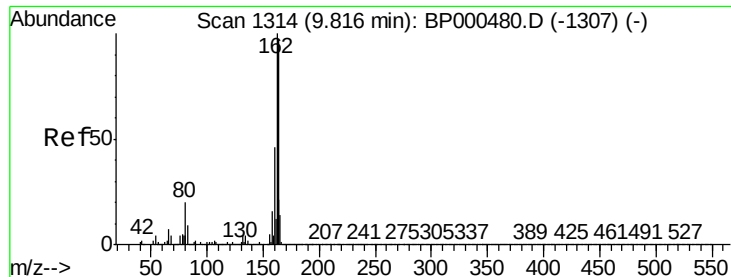
Tot Ion	82	Resp	803015
Ion Ratio	Lower	Upper	
82	100		
128	50.6	41.2	61.8
54	37.9	30.6	45.8



#25
Isophorone
Concen: 50.741 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Tgt Ion	82	Resp	802503
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.2	9.4#
138	0.0	17.0	25.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Instrument :

BNA_P

ClientSampleId :

BS-CONCRETE

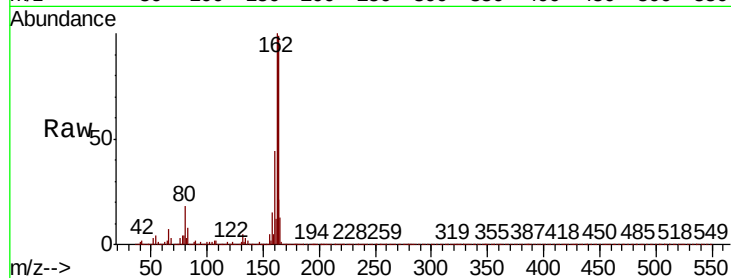
Tot Ion:164 Resp: 301481

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

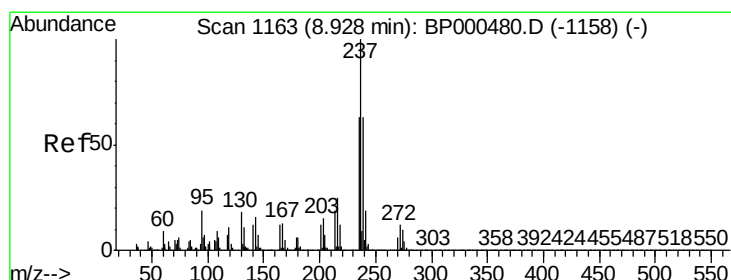
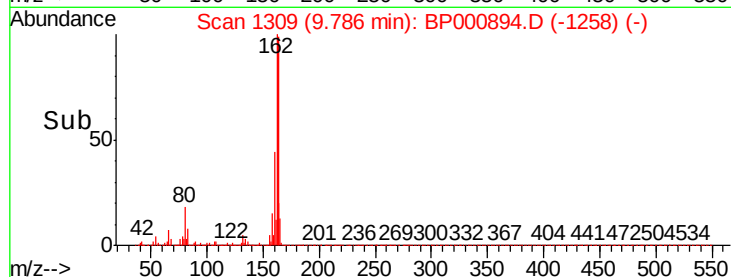
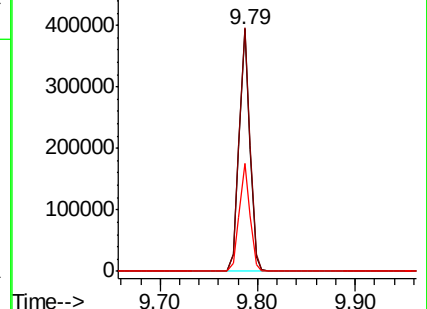
160 44.4 35.4 53.2



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



#41

Hexachlorocyclopentadiene

Concen: 7.304 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

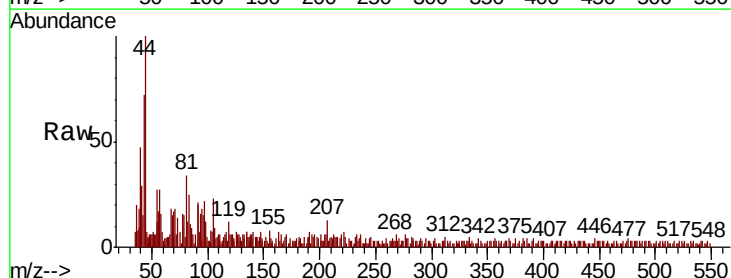
Tgt Ion:237 Resp: 29

Ion Ratio Lower Upper

237 100

235 60.9 42.3 82.3

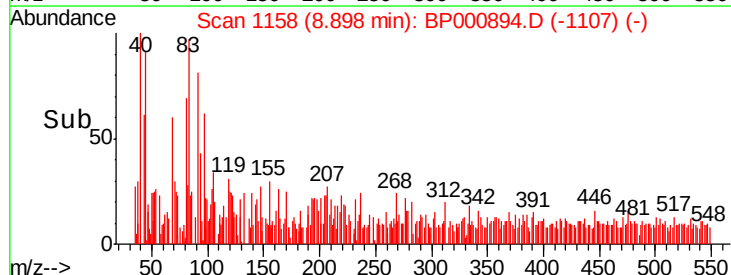
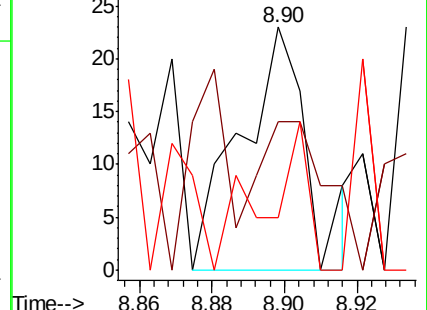
272 21.7 0.0 33.6

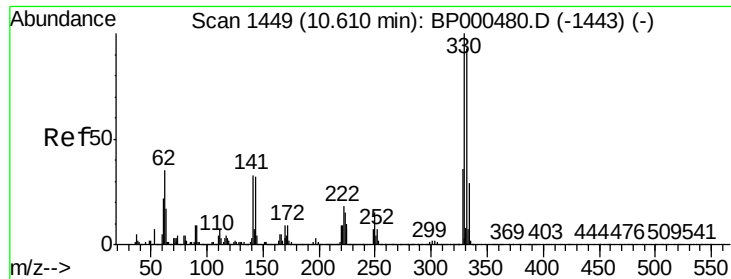


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

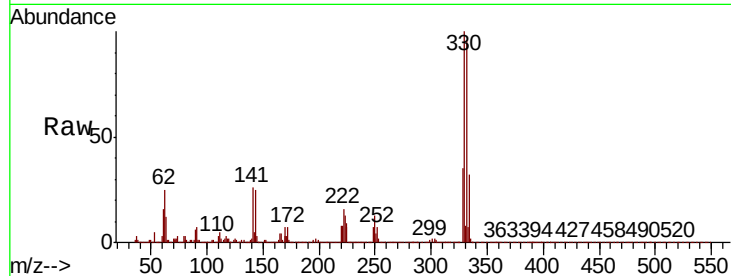




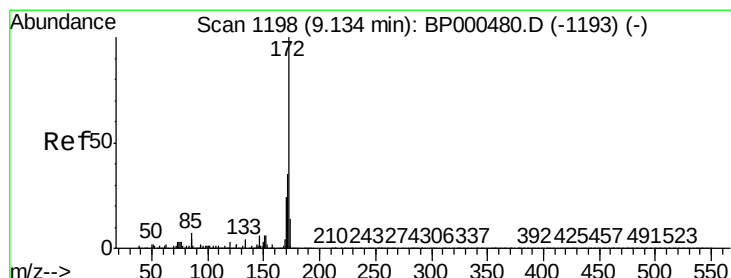
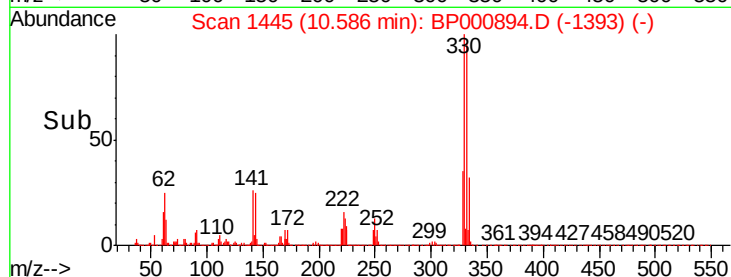
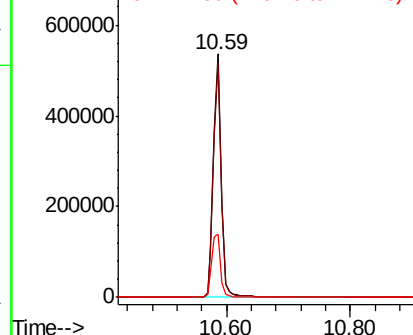
#42
2,4,6-Tribromophenol
Concen: 144.629 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Instrument :
BNA_P
ClientSampleId :
BS-CONCRETE

Tot Ion:330 Resp: 464639
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.4
141 29.5 23.7 35.5

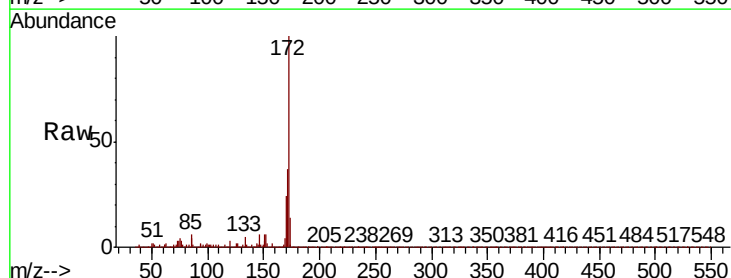


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

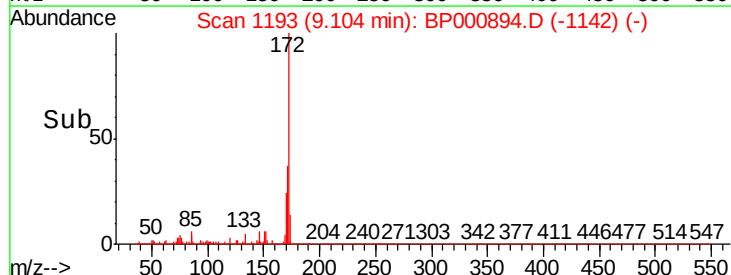
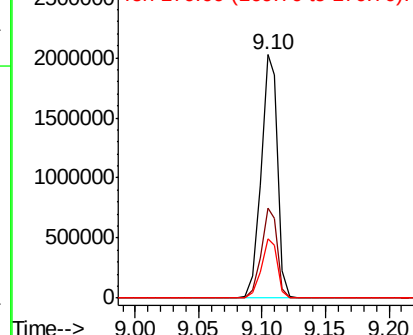


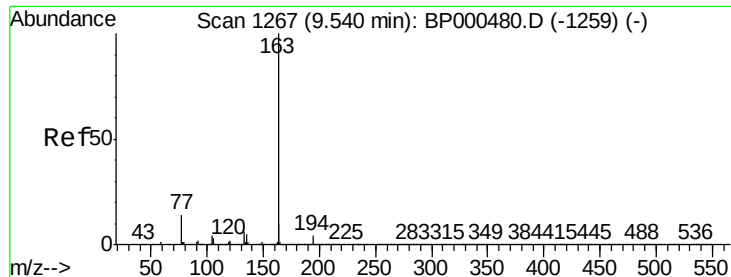
#45
2-Fluorobiphenyl
Concen: 100.000 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BP000894.D
Acq: 18 Oct 2019 22:40

Tgt Ion:172 Resp: 1863292
Ion Ratio Lower Upper
172 100
171 36.8 29.0 43.4
170 24.3 19.3 28.9



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: 9.951 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Instrument :

BNA_P

ClientSampleId :

BS-CONCRETE

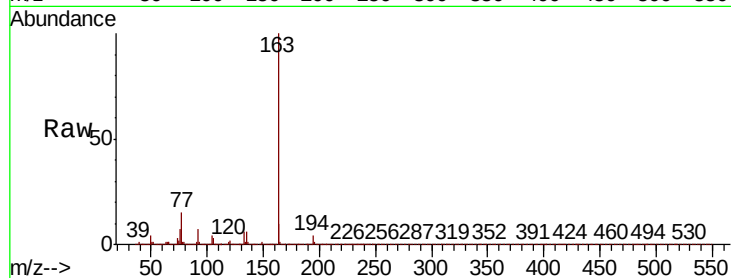
Tot Ion:163 Resp: 208462

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

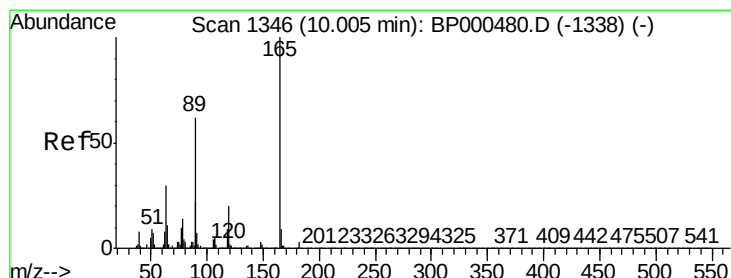
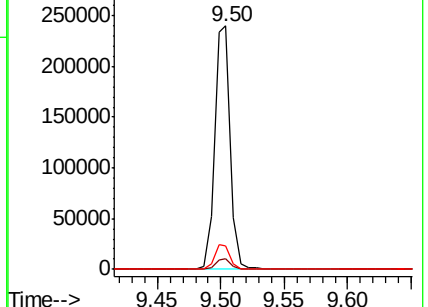
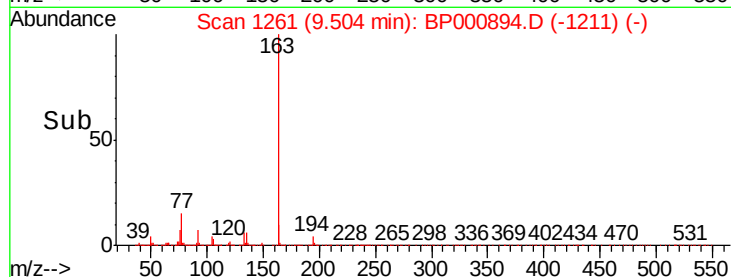
164 9.7 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 6.527 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.19 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Tgt Ion:165 Resp: 39534

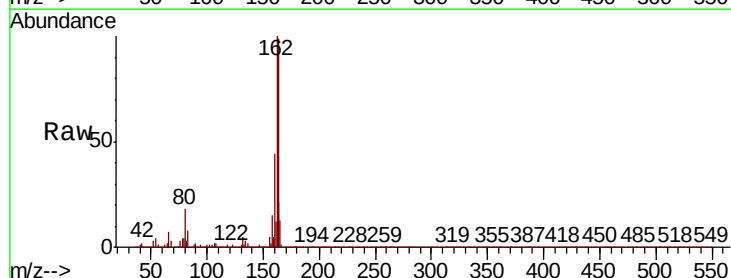
Ion Ratio Lower Upper

165 100

63 0.9 25.4 38.2#

89 1.1 49.2 73.8#

182 0.0 2.3 3.5#

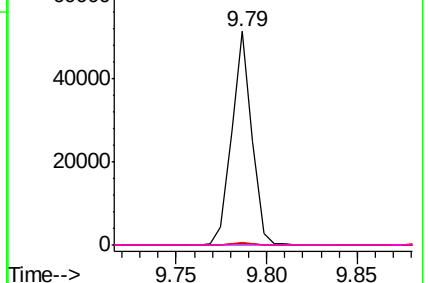
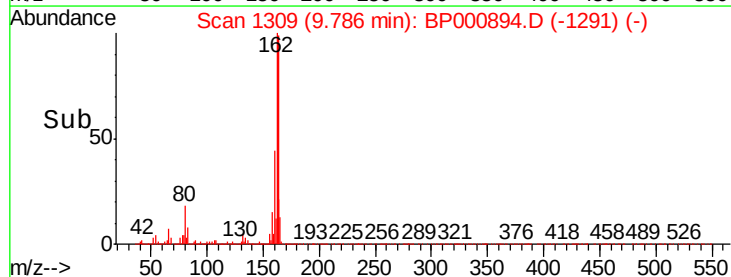


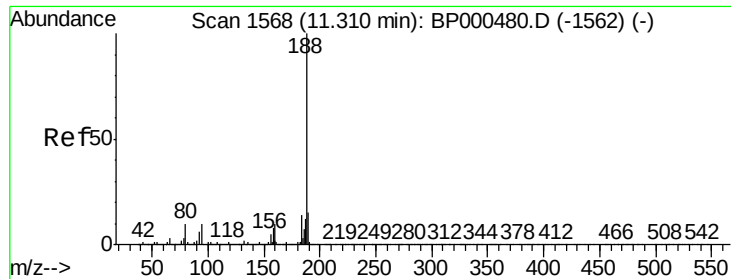
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Instrument :

BNA_P

ClientSampleId :

BS-CONCRETE

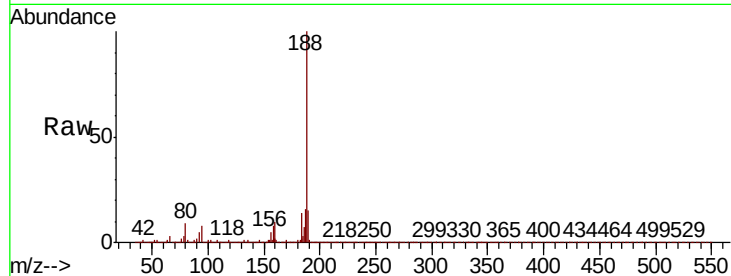
Tot Ion:188 Resp: 565049

Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

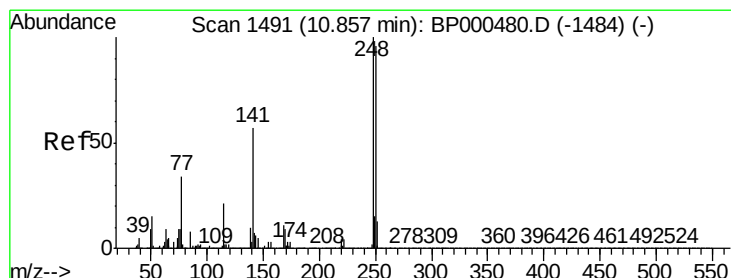
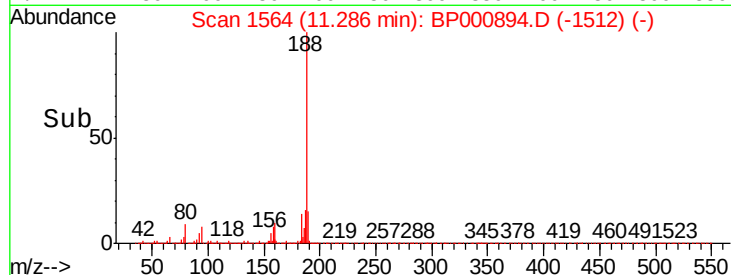
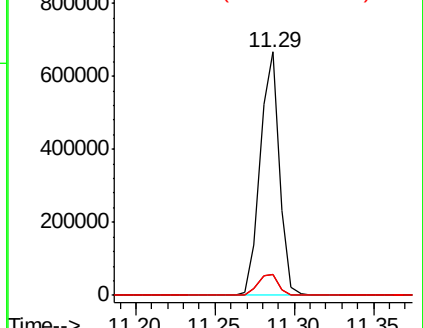
80 8.7 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#67

4-Bromophenyl-phenylether

Concen: 4.843 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.24 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

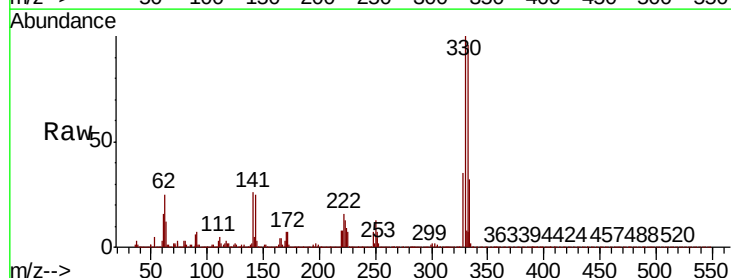
Tgt Ion:248 Resp: 30803

Ion Ratio Lower Upper

248 100

250 203.9 77.7 116.5#

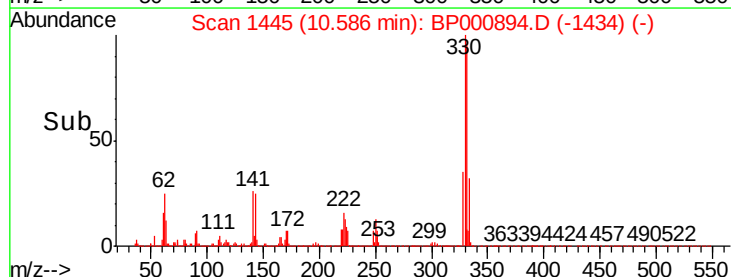
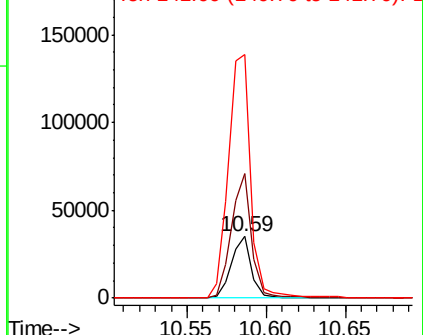
141 397.4 57.4 86.0#

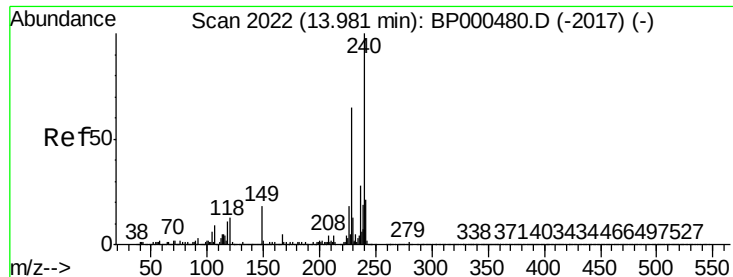


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

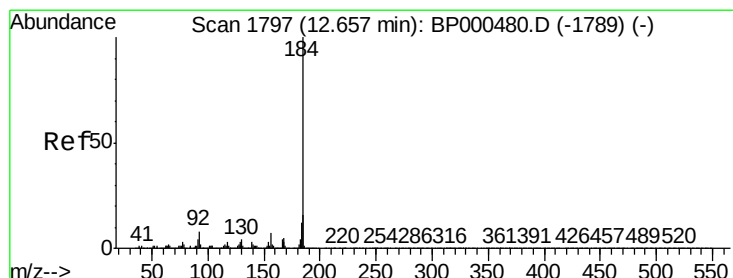
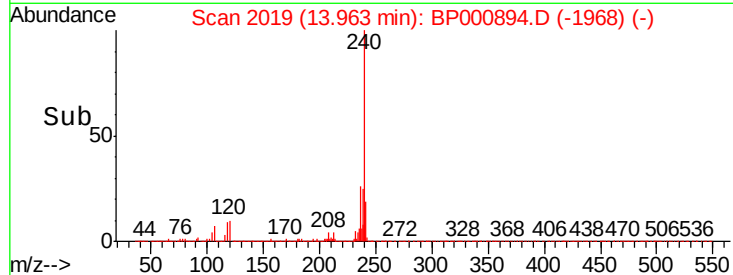
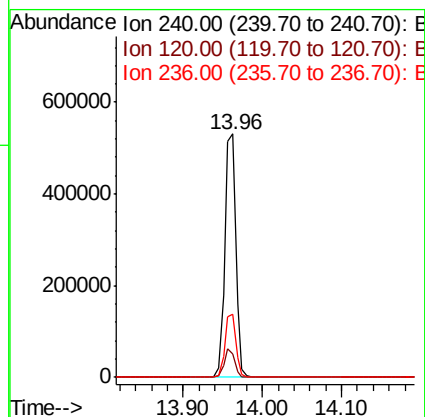
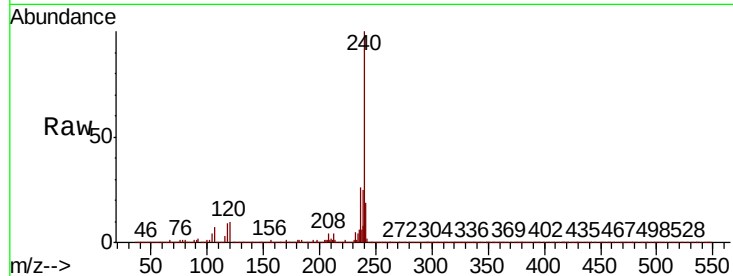




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BP000894.D
 Acq: 18 Oct 2019 22:40

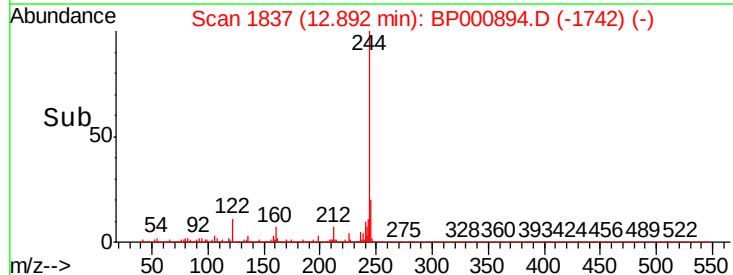
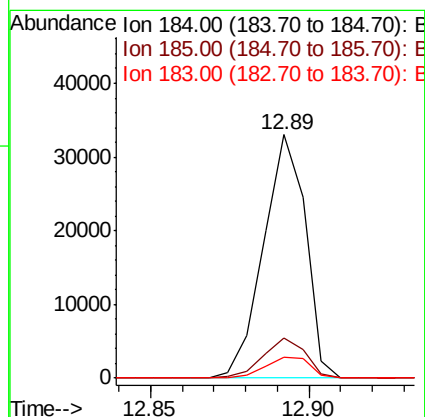
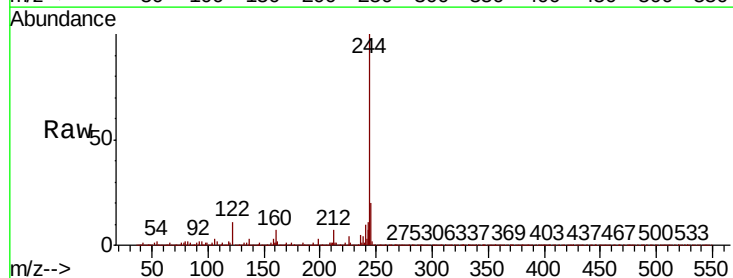
Instrument :
 BNA_P
 ClientSampleId :
 BS-CONCRETE

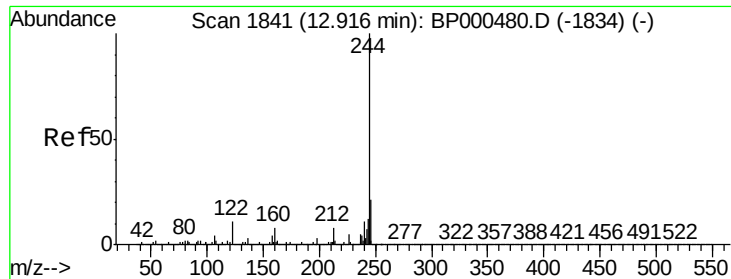
Tot Ion:240 Resp: 507201
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.3 10.9
 236 26.0 21.2 31.8



#77
 Benzidine
 Concen: 2.082 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. 0.26 min
 Lab File: BP000894.D
 Acq: 18 Oct 2019 22:40

Tgt Ion:184 Resp: 30586
 Ion Ratio Lower Upper
 184 100
 185 16.5 12.2 18.2
 183 8.8 9.8 14.8#





#79

Terphenyl-d14

Concen: 91.699 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

Instrument :

BNA_P

ClientSampleId :

BS-CONCRETE

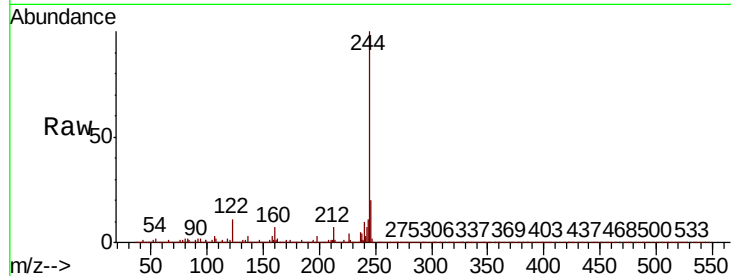
Tot Ion:244 Resp: 2297093

Ion Ratio Lower Upper

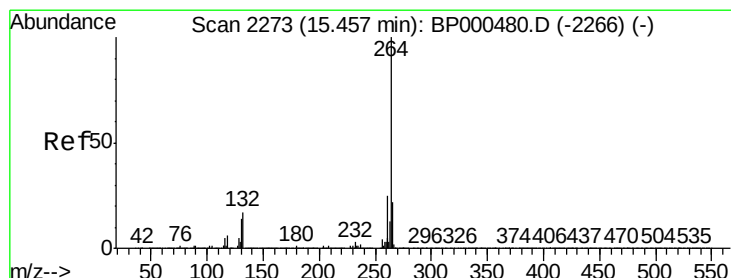
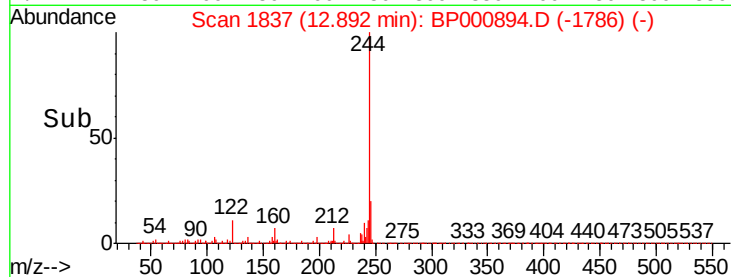
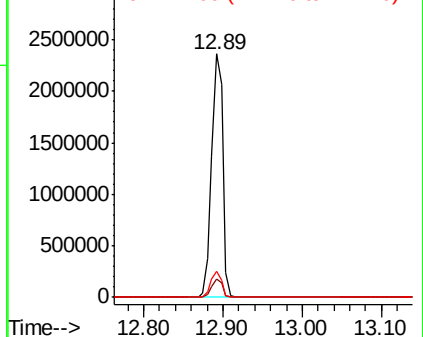
244 100

212 7.3 5.5 8.3

122 10.5 7.1 10.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BP000894.D

Acq: 18 Oct 2019 22:40

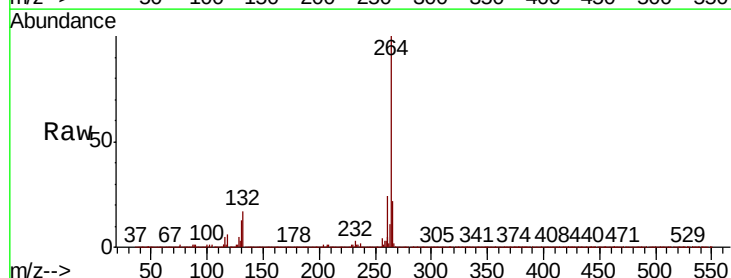
Tgt Ion:264 Resp: 583781

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.7 17.4 26.0



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

