

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094362.D
 Acq On : 11 Apr 2017 20:46
 Operator : SJ/MA
 Sample : I2622-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-4

Manual Integrations
 APPROVED

mohammad
 4/12/2017 5:11:52 PM

Quant Time: Apr 12 02:11:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	143795	20.00	ng	-0.04
21) Naphthalene-d8	7.33	136	578970	20.00	ng	-0.04
38) Acenaphthene-d10	9.47	164	252667	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	412209	20.00	ng	-0.03
75) Chrysene-d12	14.54	240	278116	20.00	ng	-0.03
86) Perylene-d12	16.17	264	245918	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	488431	57.37	ng	-0.01
7) Phenol-d6	5.45	99	893425	84.83	ng	-0.01
23) Nitrobenzene-d5	6.47	82	637504	62.84	ng	-0.04
41) 2,4,6-Tribromophenol	10.44	330	46526	23.30	ng	-0.04
44) 2-Fluorobiphenyl	8.65	172	1178926	71.17	ng	-0.04
78) Terphenyl-d14	13.27	244	791982	63.83	ng	-0.02
Target Compounds						Qvalue
10) Phenol	5.46	94	49128	4.10	ng	89
37) 2-Methylnaphthalene	8.19	142	54971	2.96	ng	99
49) Dimethylphthalate	9.15	163	92027	5.12	ng	# 99
70) Phenanthrene	11.32	178	205872	8.98	ng	98
74) Fluoranthene	12.79	202	117666	5.01	ng	98
77) Pyrene	13.06	202	105472	5.23	ng	96
82) Chrysene	14.57	228	33878m	2.25	ng	

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

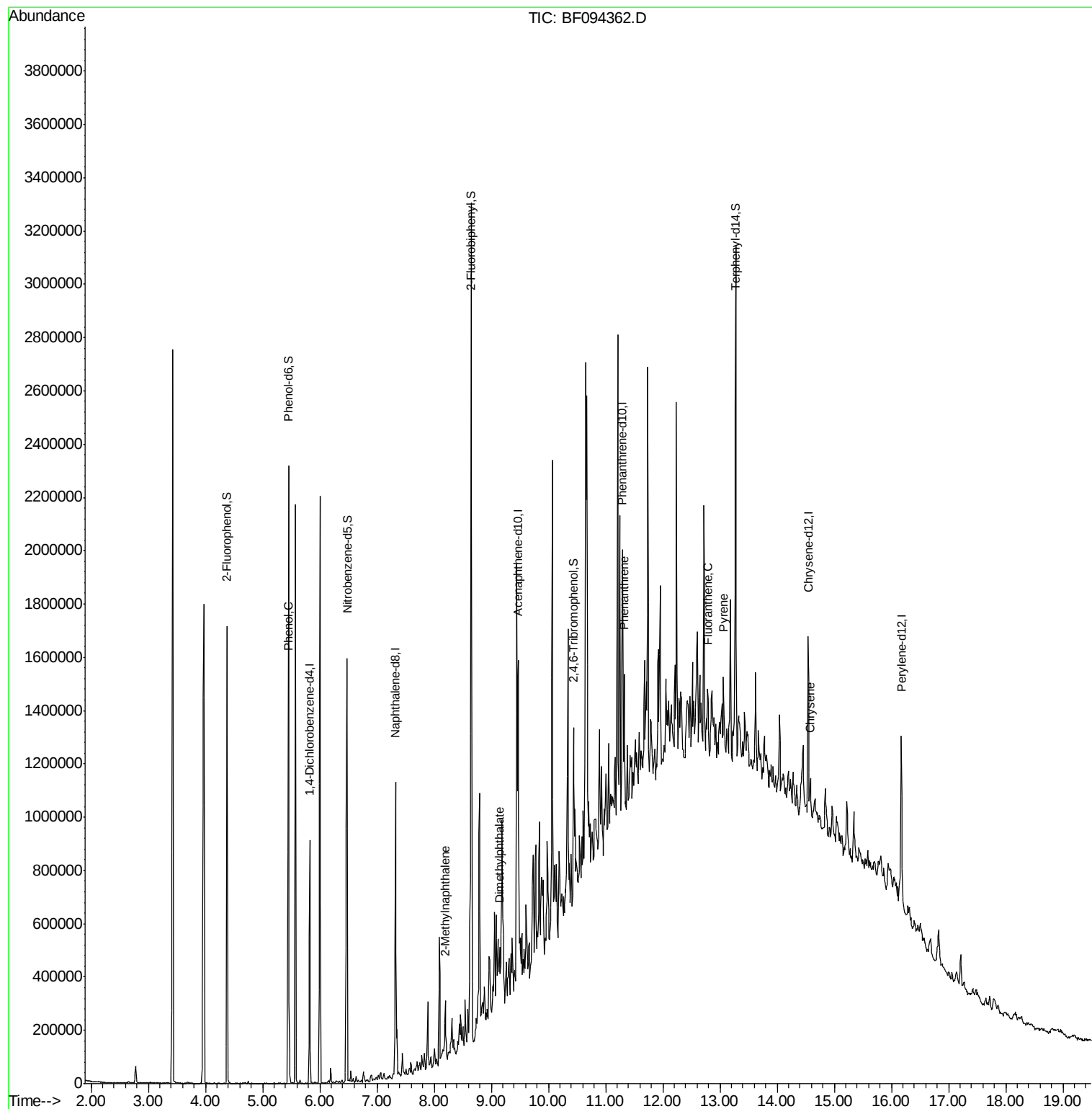
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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#1

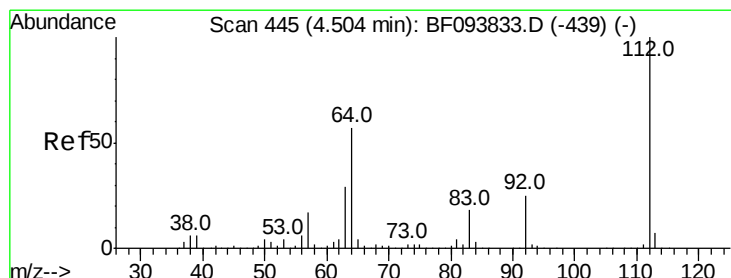
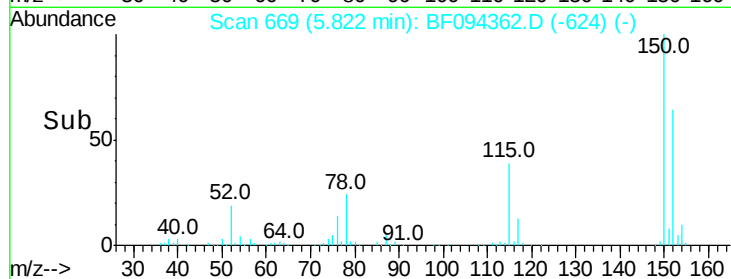
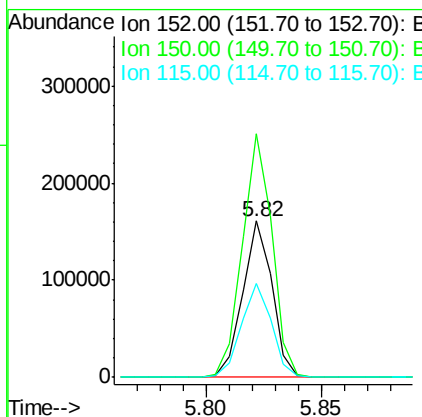
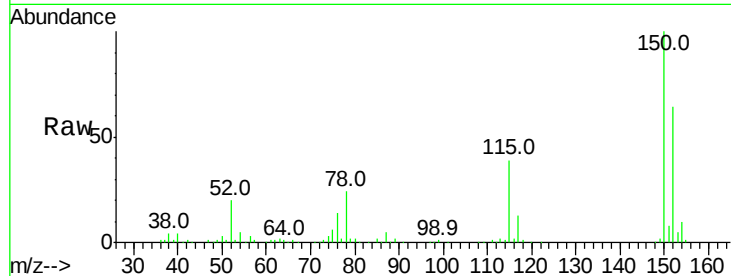
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 669
Delta R.T. -0.04 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	60.3	52.2	78.2

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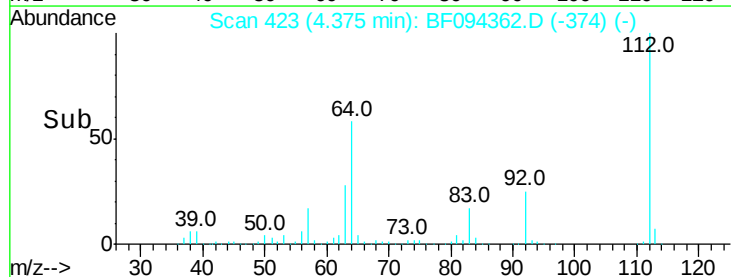
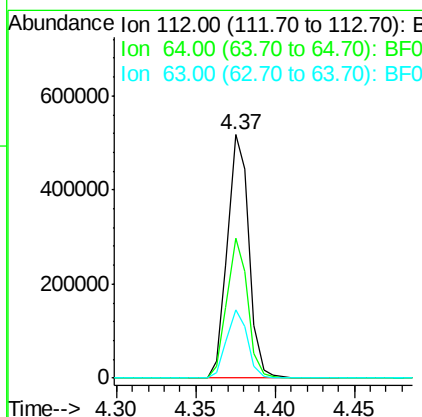
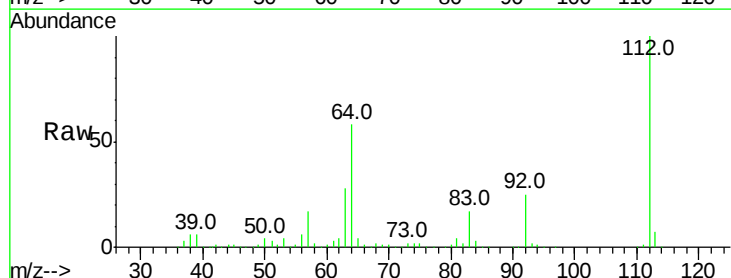
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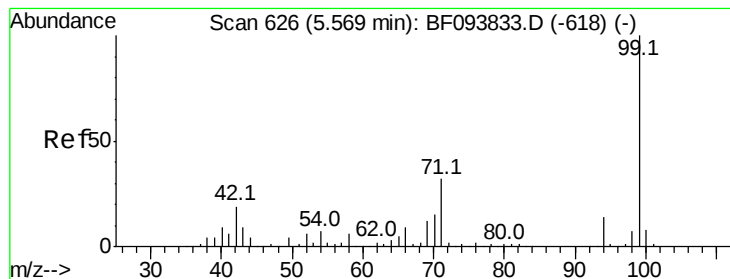


#5

2-Fluorophenol
Concen: 57.37 ng
RT: 4.37 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 84.83 ng

RT: 5.45 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

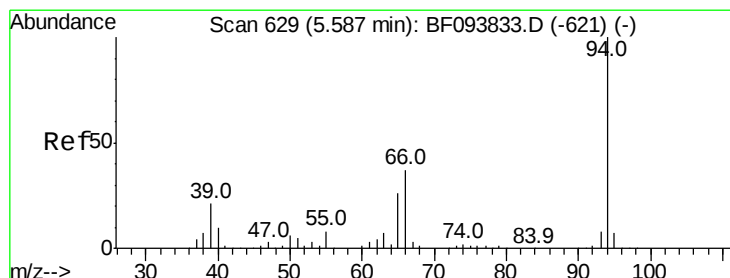
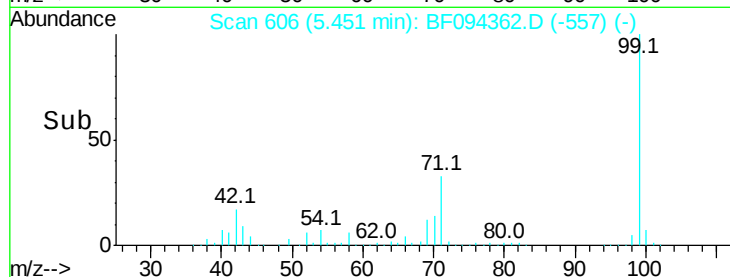
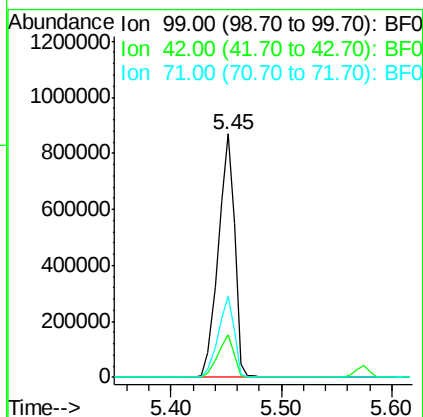
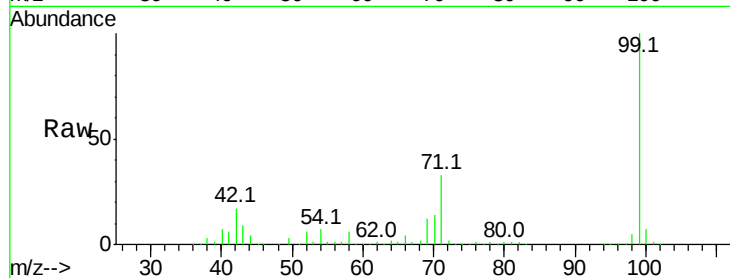
ClientSampleId :

E2-CONCRETE-BATCH-4

Tot Ion:	99	Resp:	893425
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.5	20.3
71	33.1	24.5	36.7

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#10

Phenol

Concen: 4.10 ng

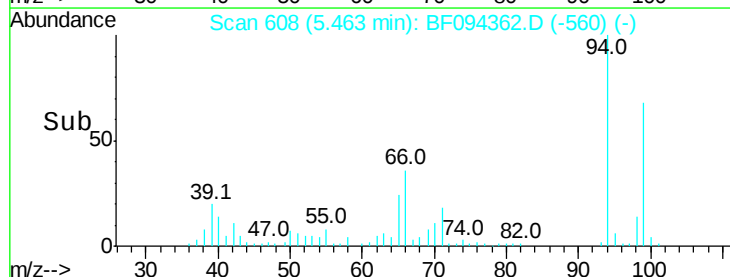
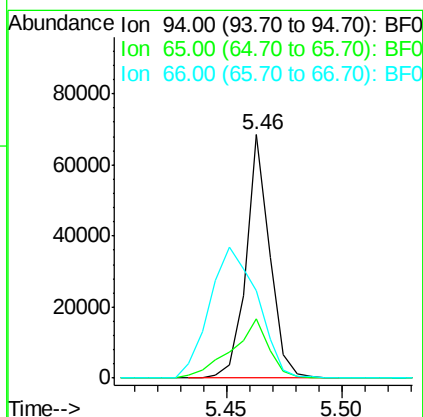
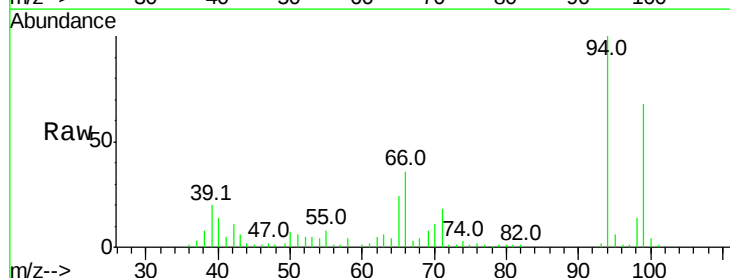
RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Tgt Ion:	94	Resp:	49128
Ion Ratio	Lower	Upper	
94	100		
65	24.4	9.9	49.9
66	36.1	23.1	63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

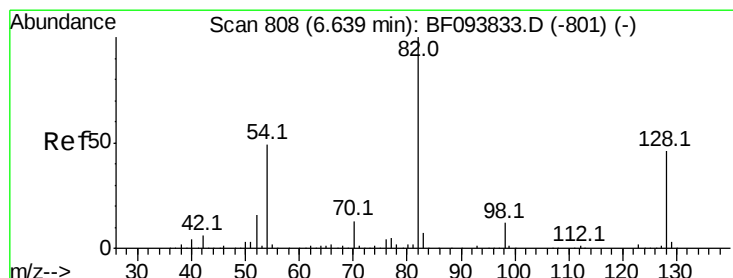
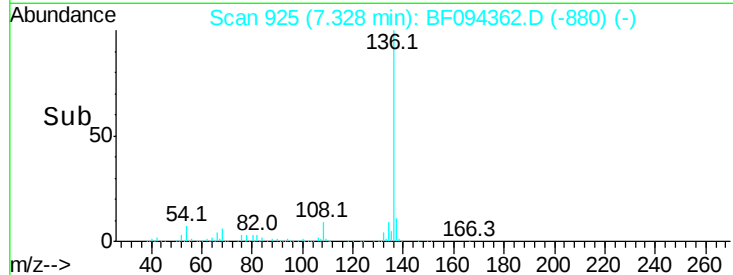
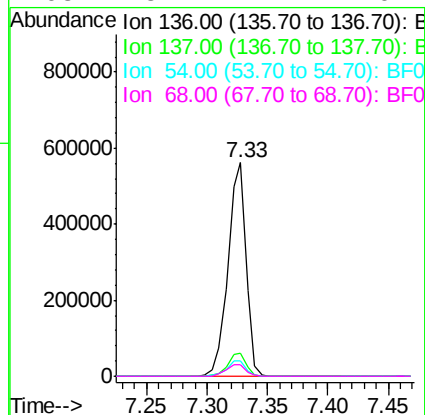
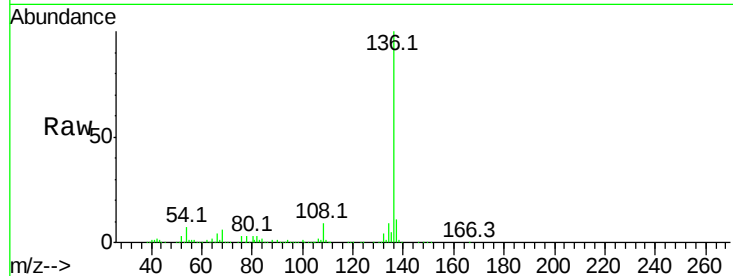
ClientSampleId :

E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100	578970		
137	11.1		8.5	12.7
54	7.1		4.9	7.3
68	5.7		4.1	6.1

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#23

Nitrobenzene-d5

Concen: 62.84 ng

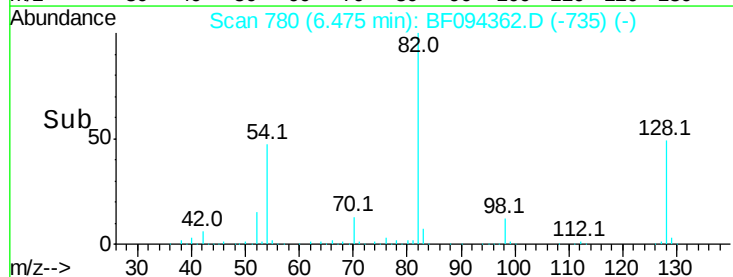
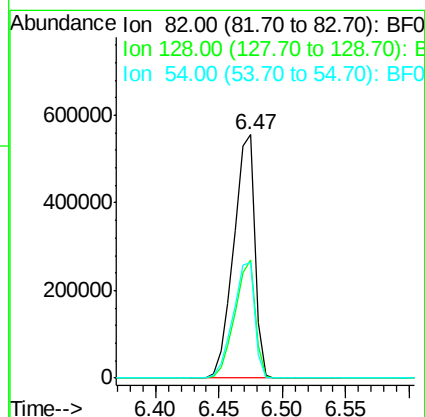
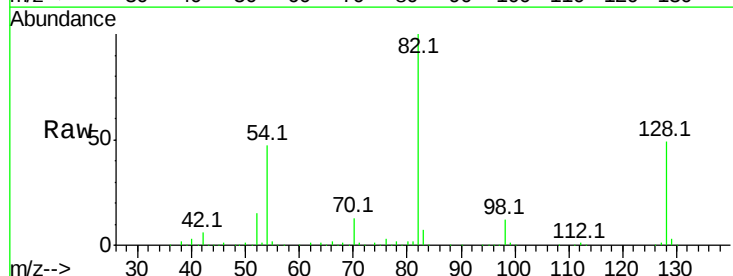
RT: 6.47 min Scan# 780

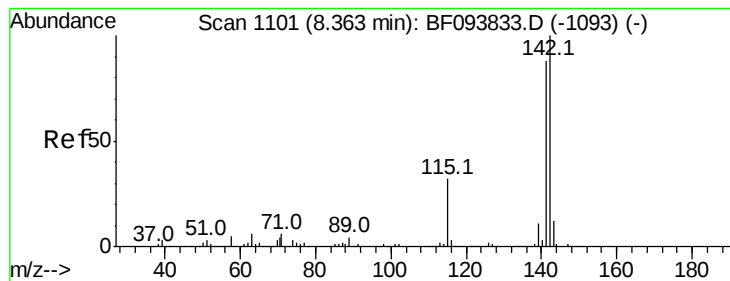
Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	637504		
128	48.6		34.0	51.0
54	47.4		42.2	63.2





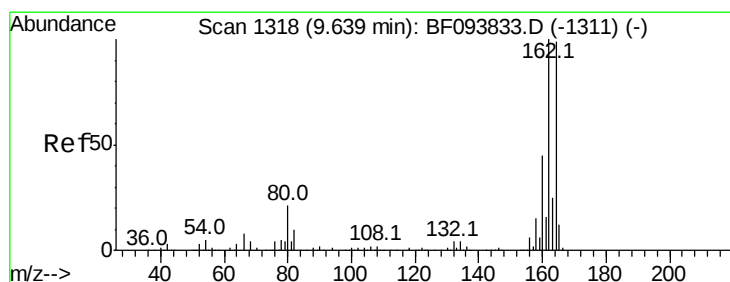
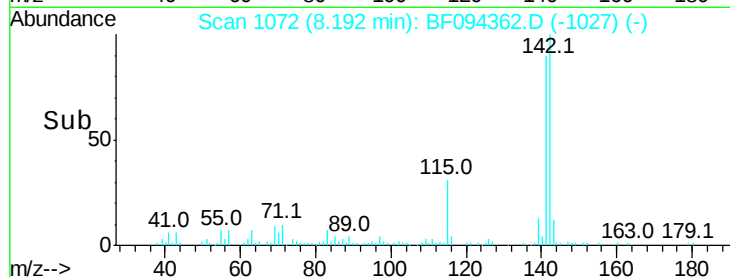
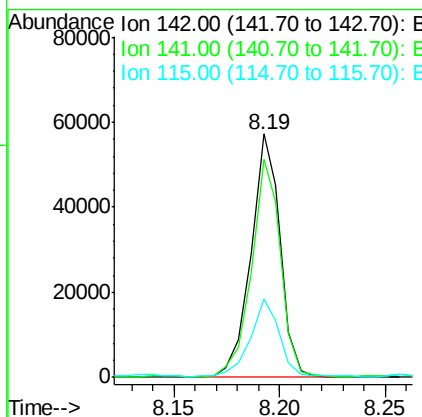
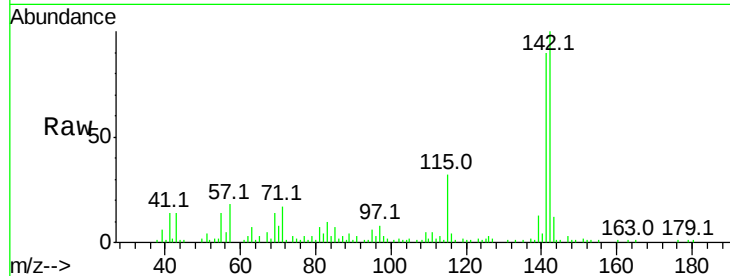
#37
 2-Methylnaphthalene
 Concen: 2.96 ng
 RT: 8.19 min Scan# 1072
 Delta R.T. -0.04 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	32.3	27.1	40.7

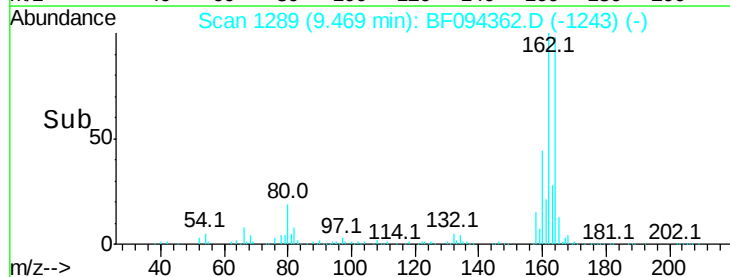
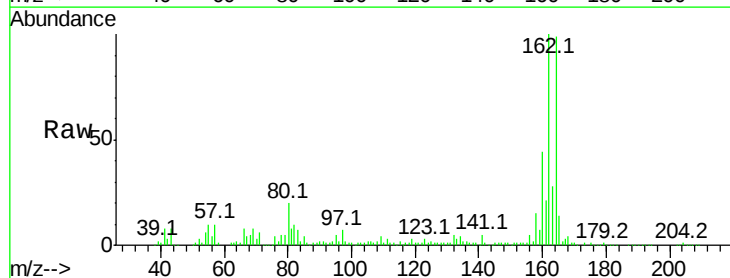
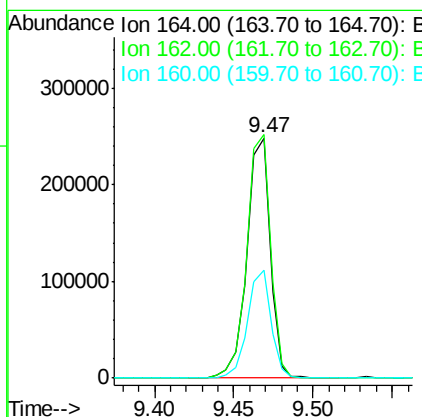
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.9	36.2	54.2





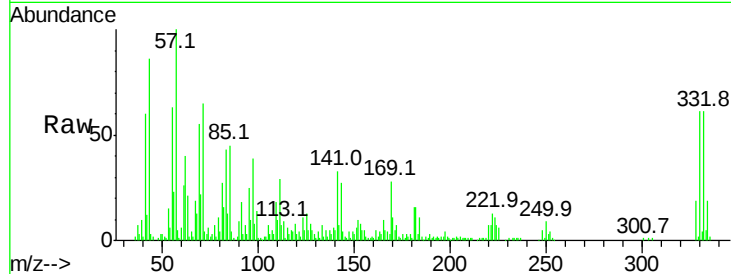
#41
 2,4,6-Tribromophenol
 Concen: 23.30 ng
 RT: 10.44 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-4

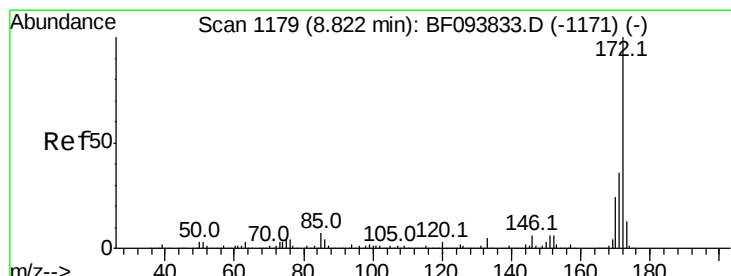
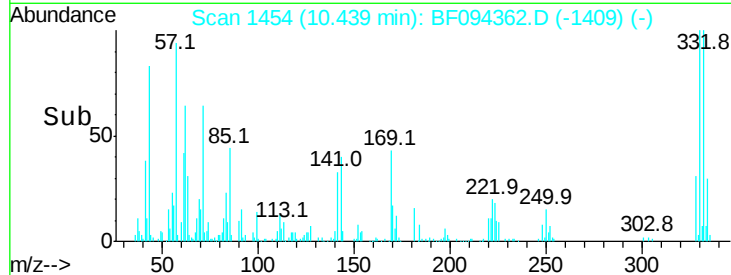
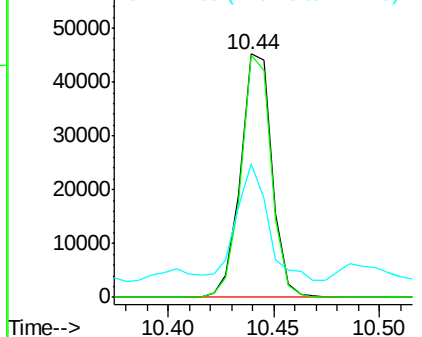
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	47.1	31.4	47.2

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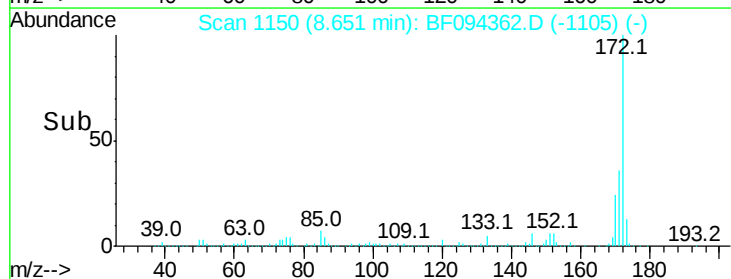
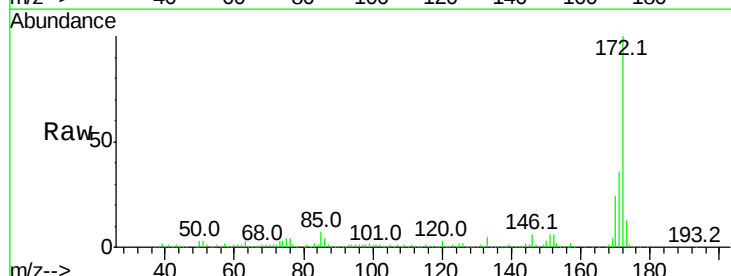
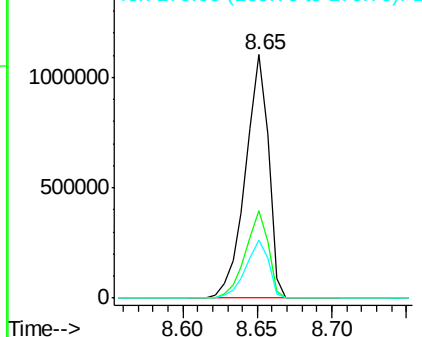
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

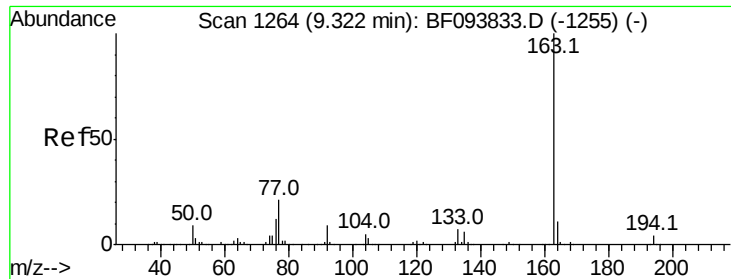


#44
 2-Fluorobiphenyl
 Concen: 71.17 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

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





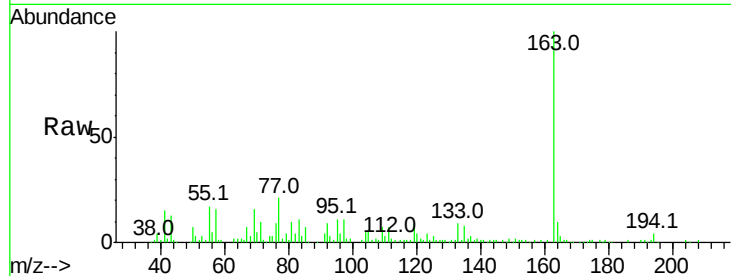
#49
Dimethylphthalate
Concen: 5.12 ng
RT: 9.15 min Scan# 1234
Delta R.T. -0.05 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-4

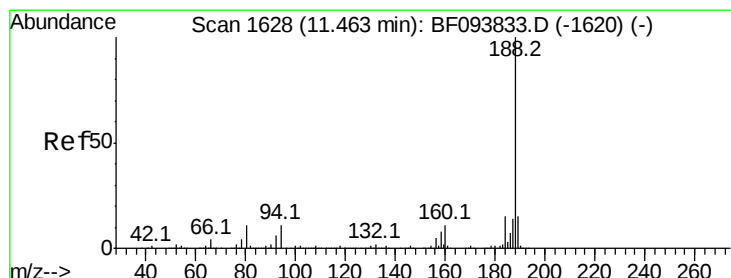
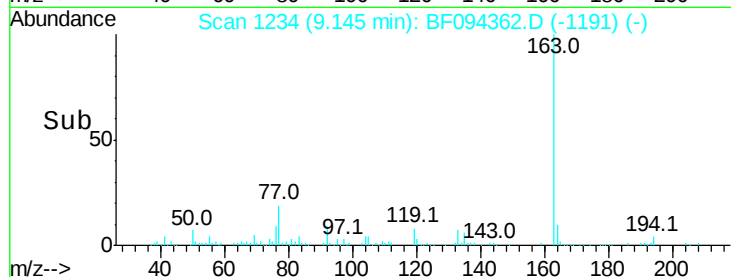
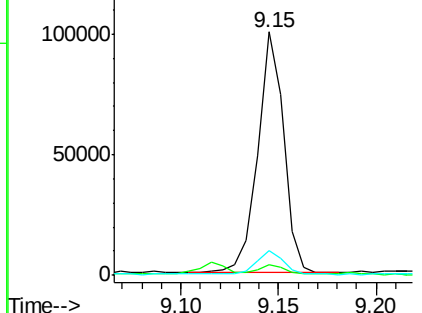
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	10.2	8.4	12.6

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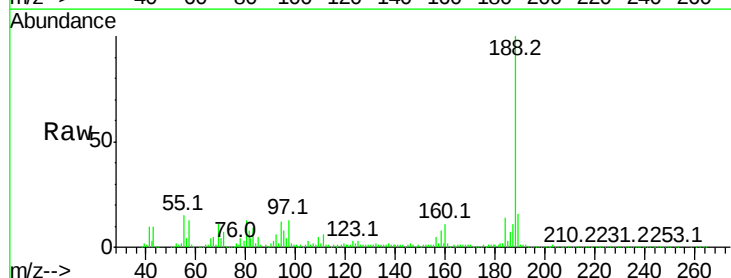


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

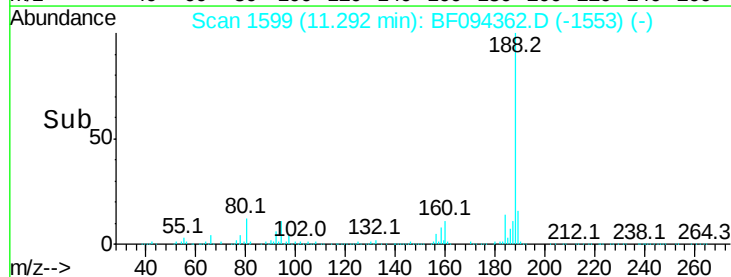
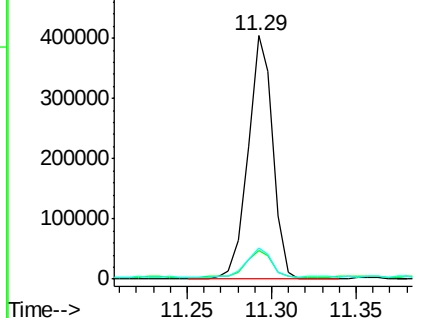


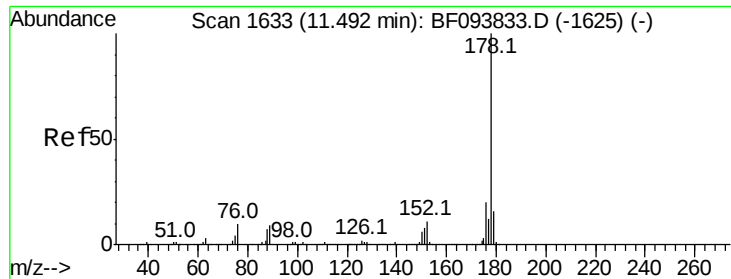
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1599
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.7	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





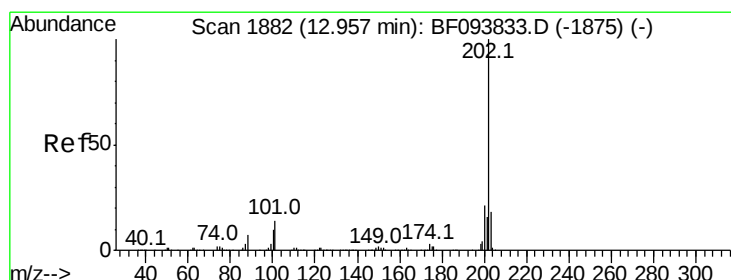
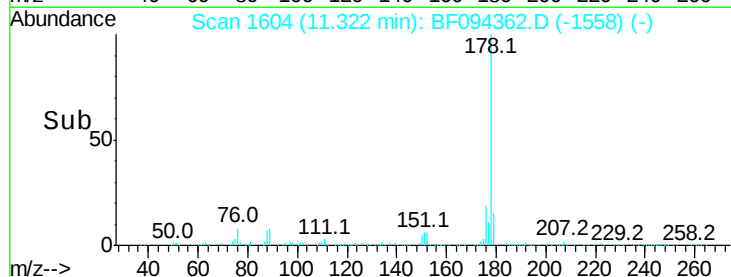
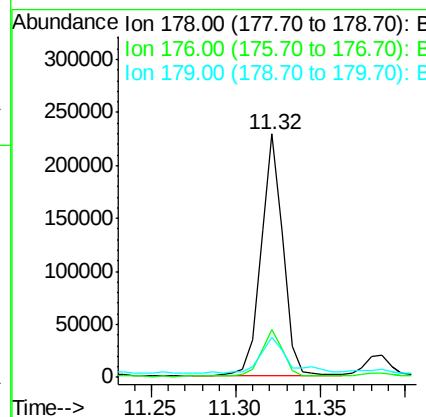
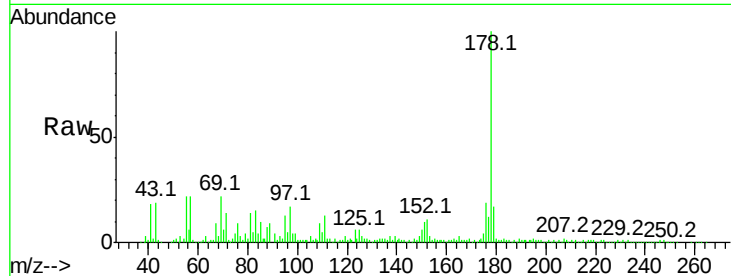
#70
Phenanthrene
Concen: 8.98 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	16.6	12.6	19.0

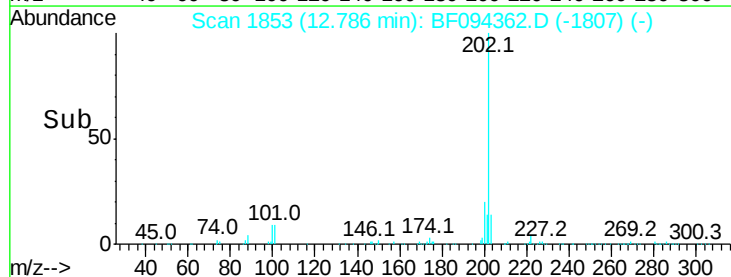
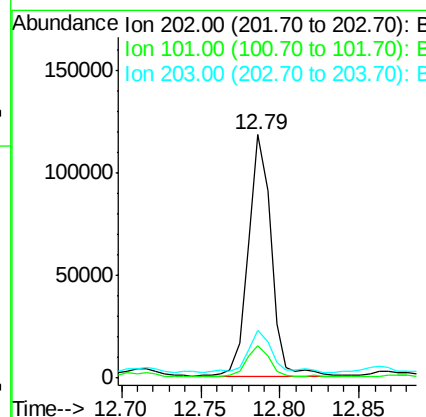
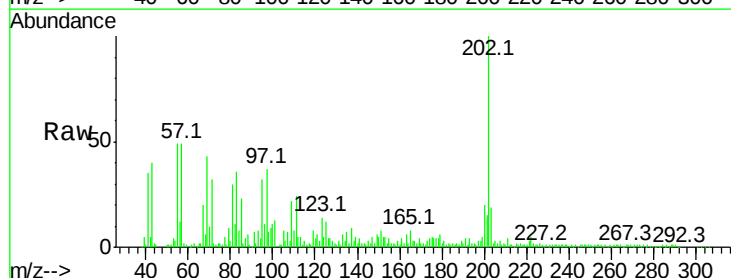
Manual Integrations
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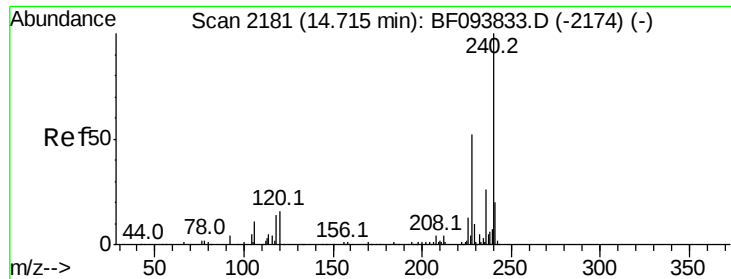
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#74
Fluoranthene
Concen: 5.01 ng
RT: 12.79 min Scan# 1853
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	19.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.54 min Scan# 2152

Delta R.T. -0.03 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

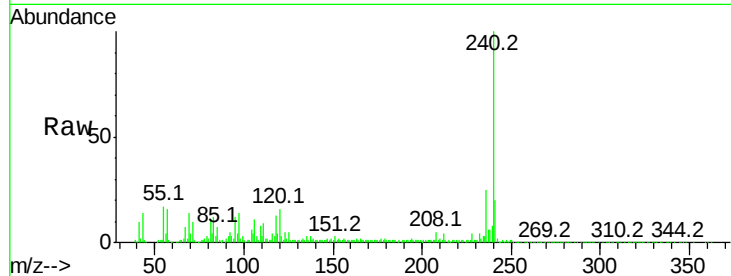
ClientSampleId :

E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	25.1	20.5	30.7

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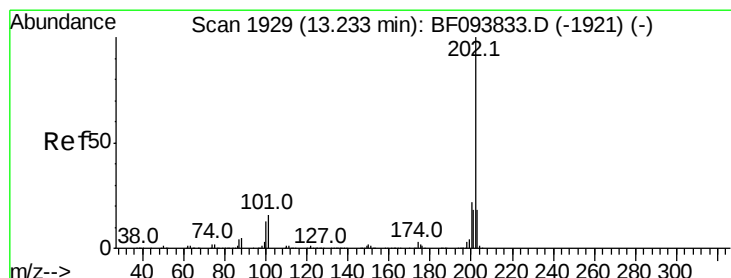
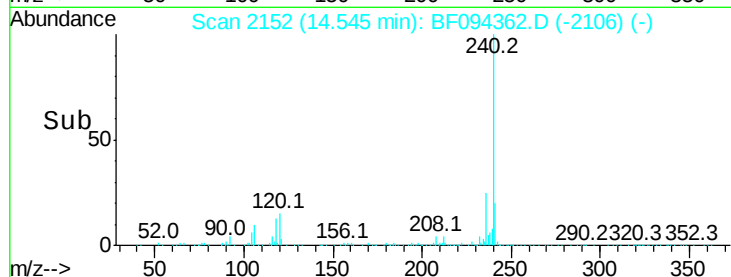
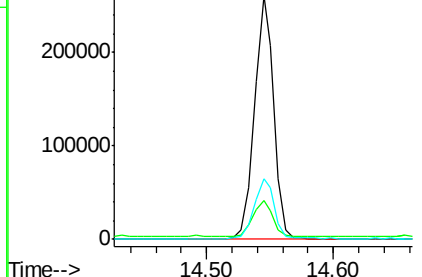
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.23 ng

RT: 13.06 min Scan# 1900

Delta R.T. -0.03 min

Lab File: BF094362.D

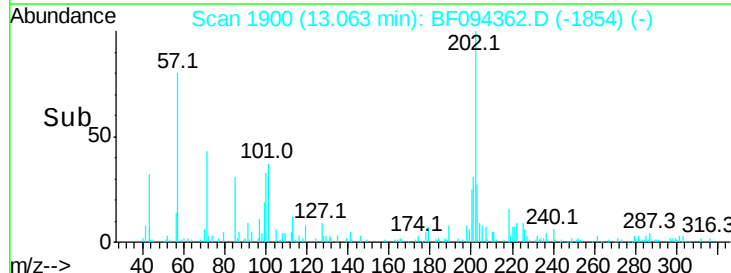
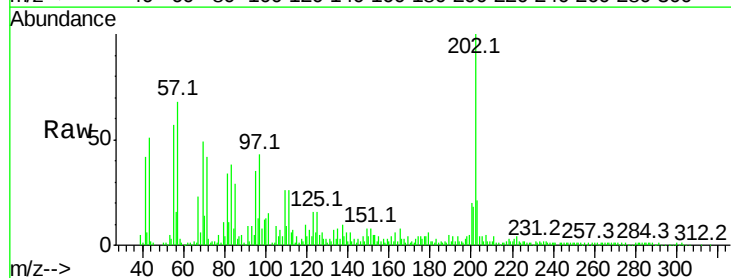
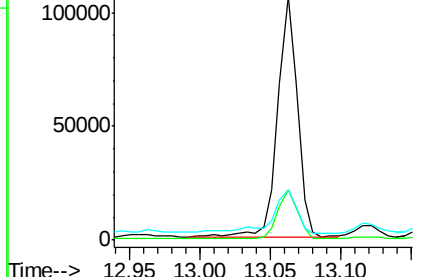
Acq: 11 Apr 2017 20:46

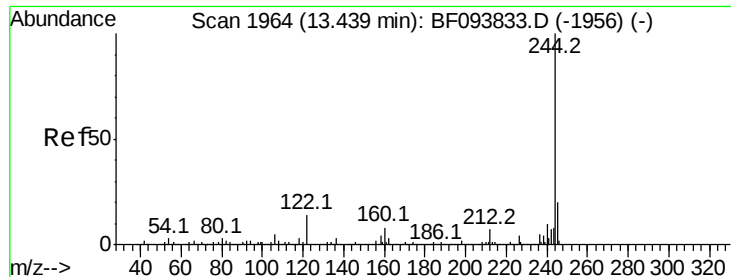
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	20.6	14.4	21.6

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





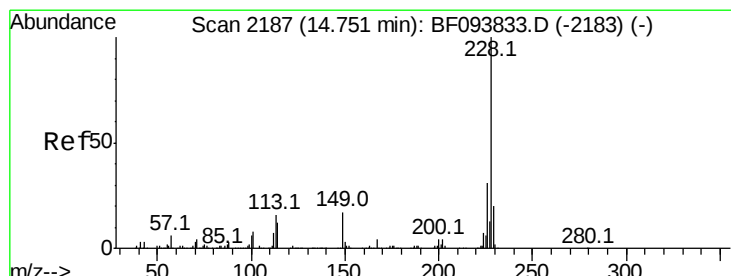
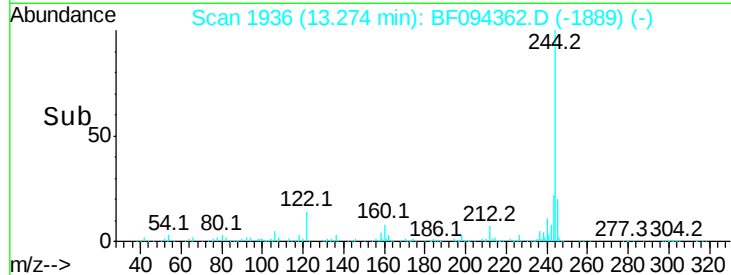
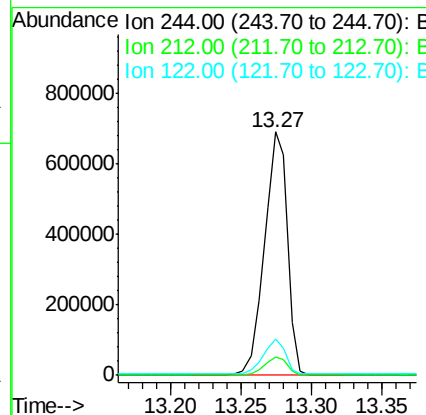
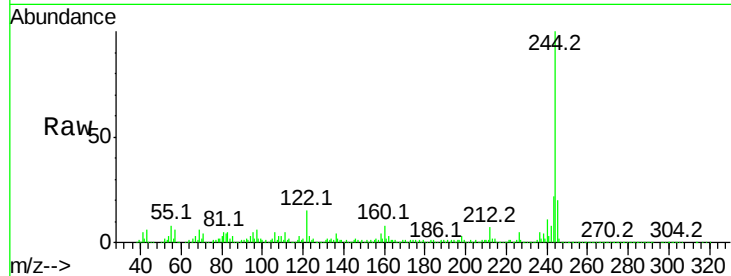
#78
 Terphenyl-d14
 Concen: 63.83 ng
 RT: 13.27 min Scan# 1936
 Delta R.T. -0.02 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-4

Tot Ion:	244	Resp:	791982
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	14.7	10.3	15.5

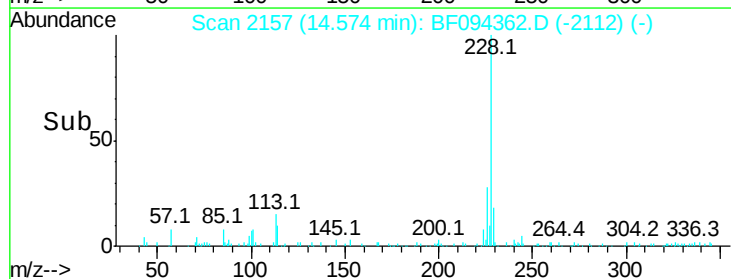
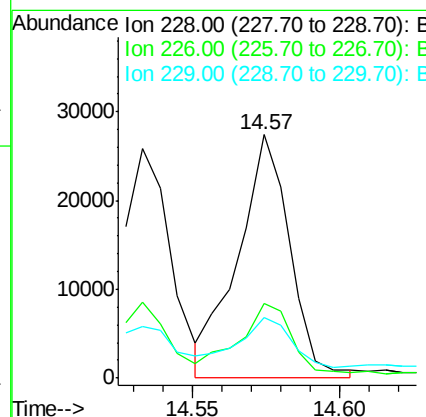
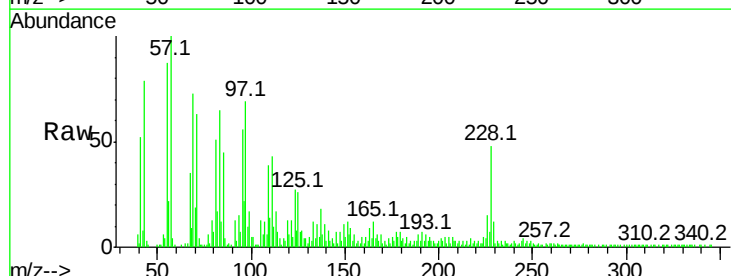
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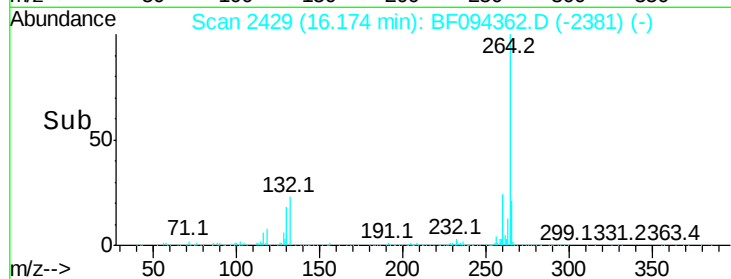
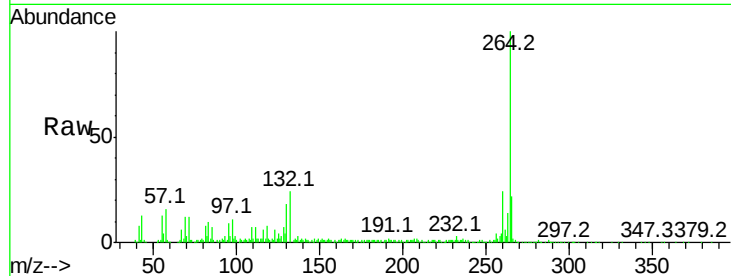
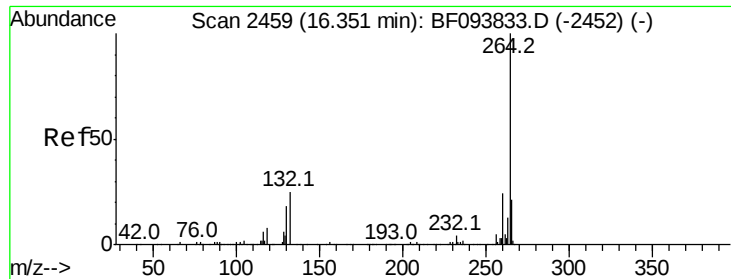
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#82
 Chrysene
 Concen: 2.25 ng m
 RT: 14.57 min Scan# 2157
 Delta R.T. -0.04 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Tgt Ion:	228	Resp:	33878
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	25.1	15.8	23.6#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-4

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8

Manual Integrations
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