

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094226.D
 Acq On : 6 Apr 2017 14:16
 Operator : SJ/MA
 Sample : I2511-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NW

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:20:45 PM

Quant Time: Apr 06 15:38:59 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	5.85	152	165083	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	676450	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	313002	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	546019	20.00	ng	0.00
75) Chrysene-d12	14.56	240	395719	20.00	ng	-0.01
86) Perylene-d12	16.19	264	280526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	296869	30.37	ng	0.00
7) Phenol-d6	5.45	99	922642	76.31	ng	-0.01
23) Nitrobenzene-d5	6.50	82	894104	75.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	11745	4.75	ng	-0.01
44) 2-Fluorobiphenyl	8.68	172	1626321	79.25	ng	0.00
78) Terphenyl-d14	13.30	244	1336565	75.71	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	6.34	107	23139	2.08	ng	Qvalue # 61
37) 2-Methylnaphthalene	8.22	142	53969	2.49	ng	96
49) Dimethylphthalate	9.17	163	133359	5.99	ng	99
70) Phenanthrene	11.35	178	255916	8.43	ng	99
74) Fluoranthene	12.80	202	176159	5.66	ng	98
77) Pyrene	13.08	202	166391	5.79	ng	97
80) Benzo(a)anthracene	14.55	228	50908	2.21	ng	98
82) Chrysene	14.59	228	55021	2.57	ng	95
87) Benzo(b)fluoranthene	15.79	252	49940m	2.90	ng	
89) Benzo(a)pyrene	16.13	252	32708	2.07	ng	# 96

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

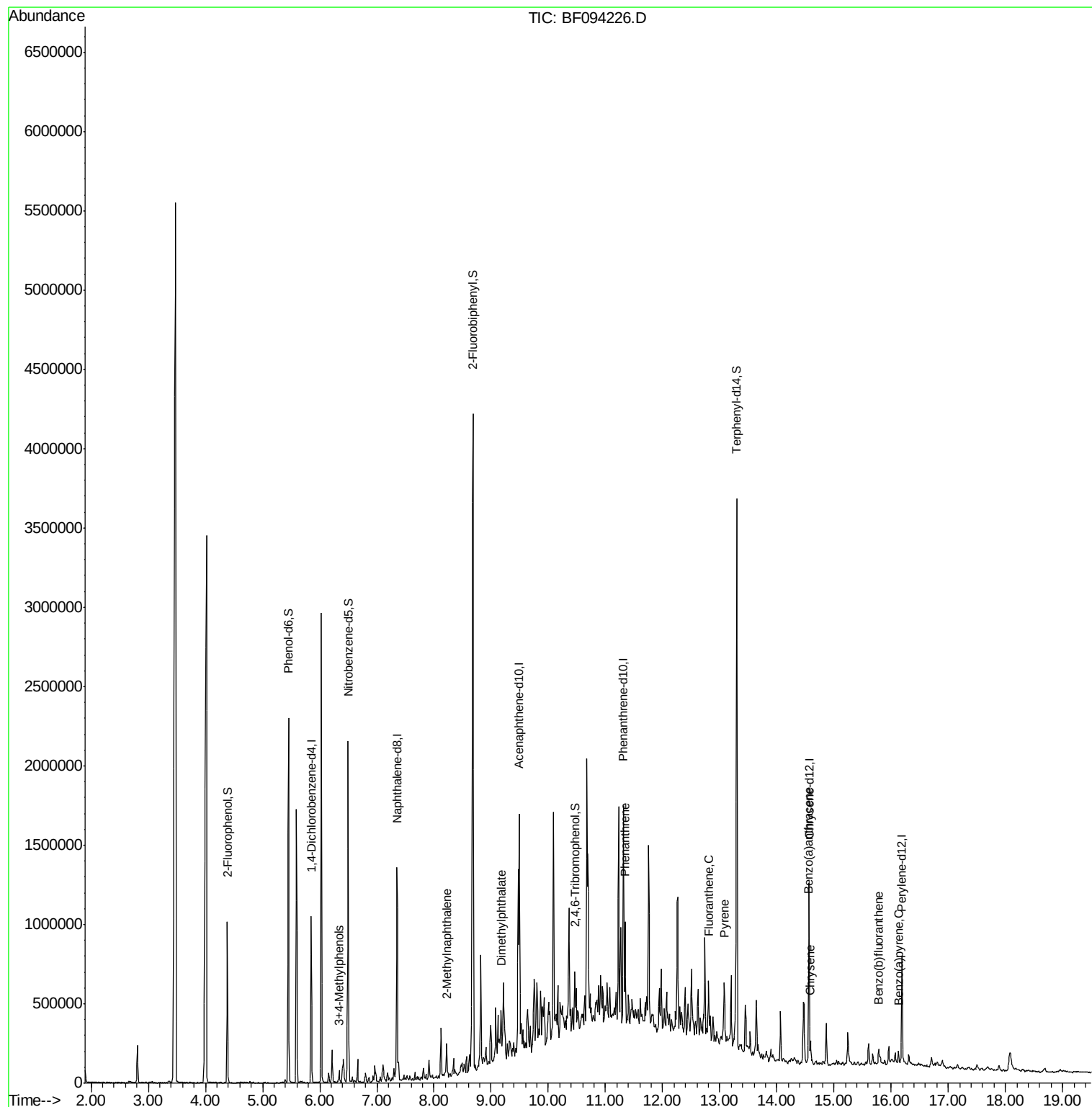
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094226.D
Acq On : 6 Apr 2017 14:16
Operator : SJ/MA
Sample : I2511-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

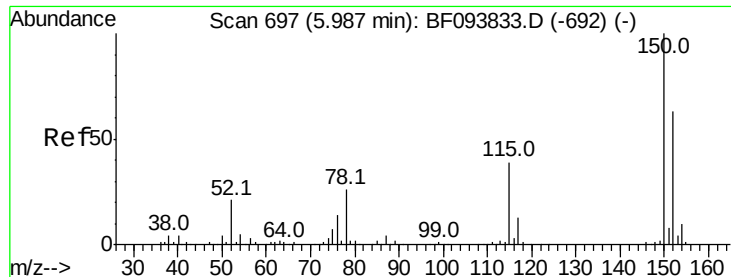
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Manual Integrations
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Quant Time: Apr 06 15:38:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

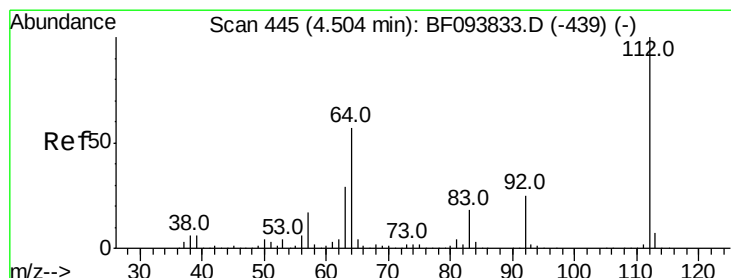
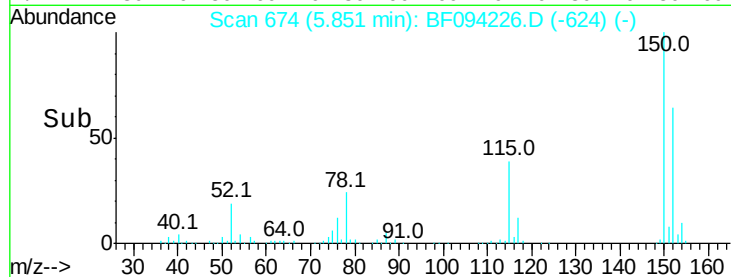
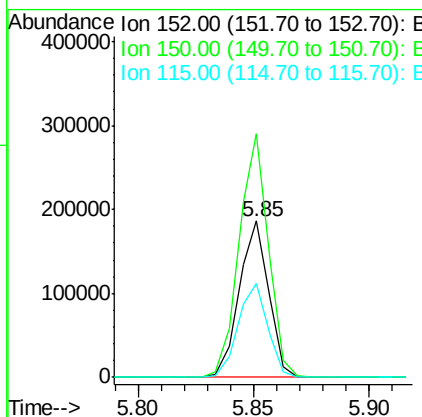
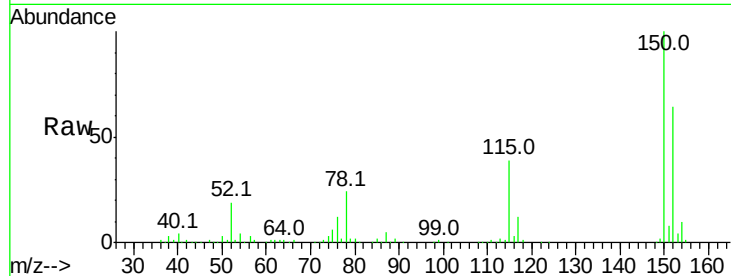
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	60.4	52.2	78.2

Manual Integrations
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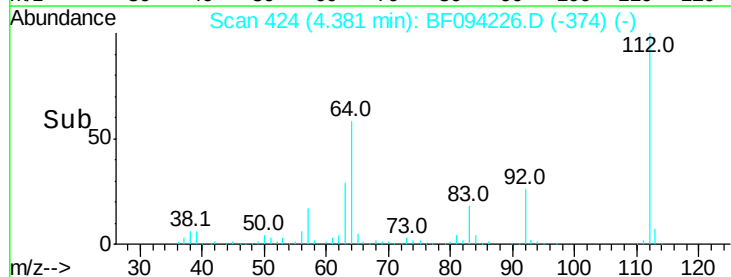
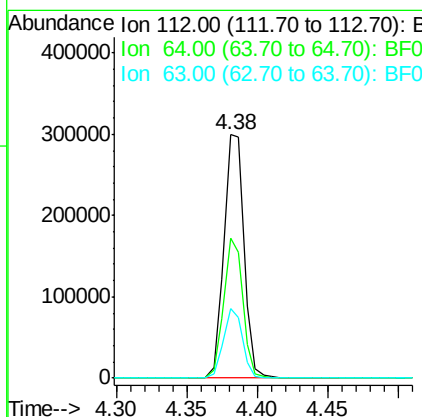
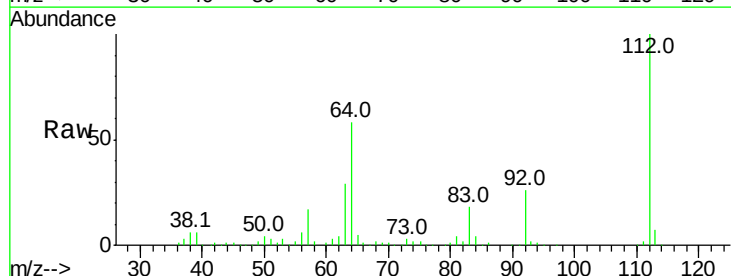
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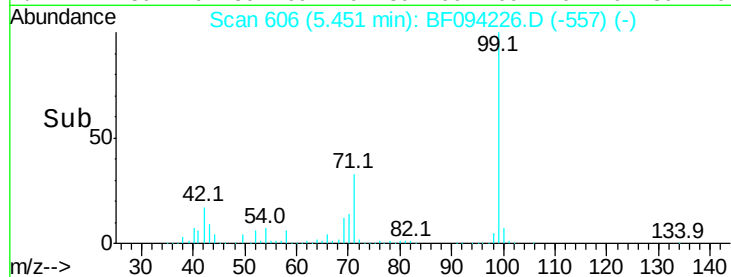
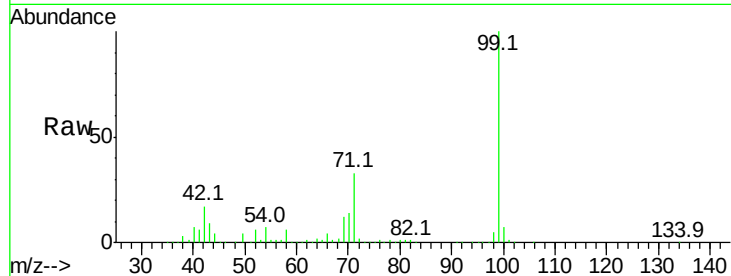
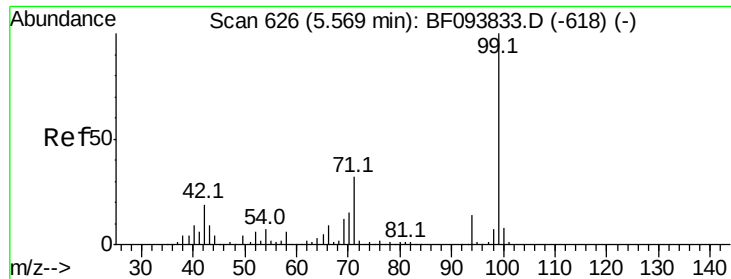


#5

2-Fluorophenol
Concen: 30.37 ng
RT: 4.38 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	28.5	23.4	35.0





#7

Phenol-d6

Concen: 76.31 ng

RT: 5.45 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tot Ion:	99	Resp:	922642
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.5	20.3
71	33.1	24.5	36.7

Instrument :

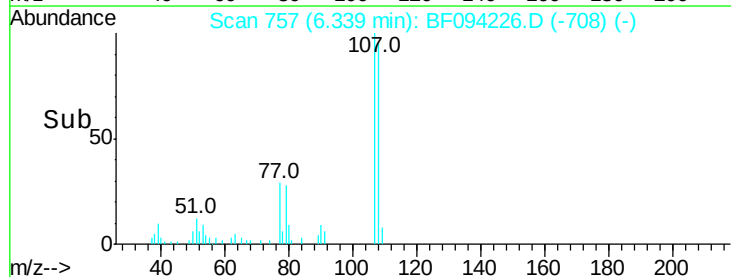
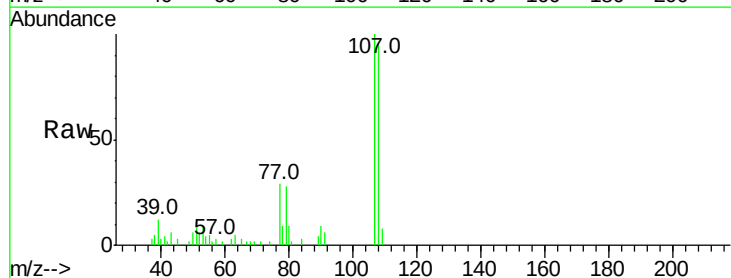
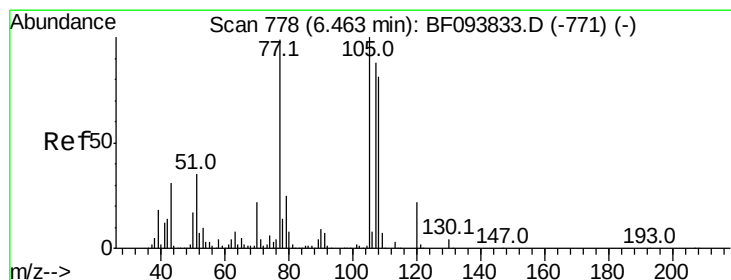
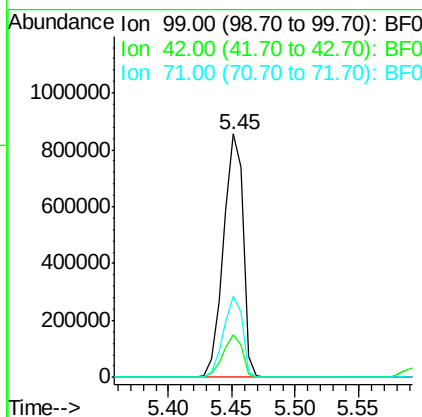
BNA_F

ClientSampleId :

E2-CONCRETE-NW

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#20

3+4-Methylphenols

Concen: 2.08 ng

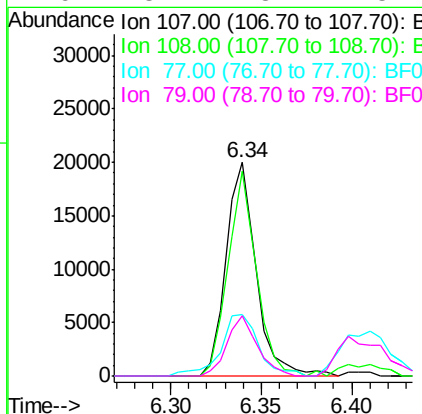
RT: 6.34 min Scan# 757

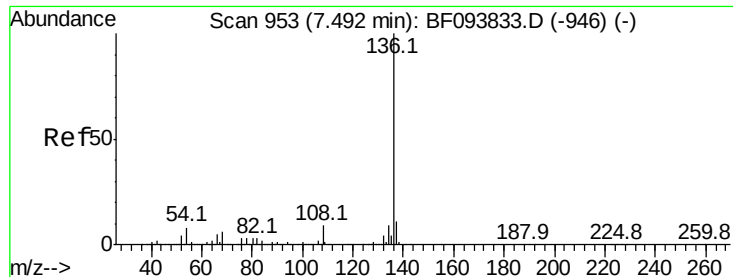
Delta R.T. -0.01 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tgt Ion:	107	Resp:	23139
Ion Ratio	Lower	Upper	
107	100		
108	96.2	71.0	111.0
77	29.1	90.5	130.5#
79	28.4	8.4	48.4





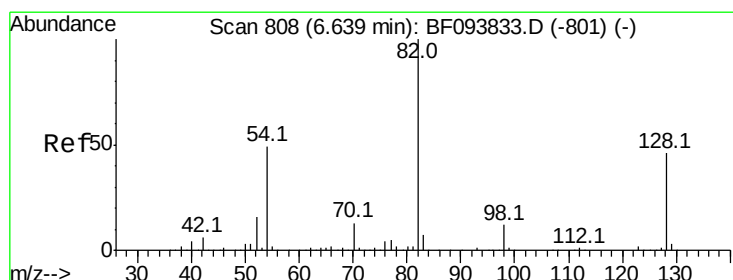
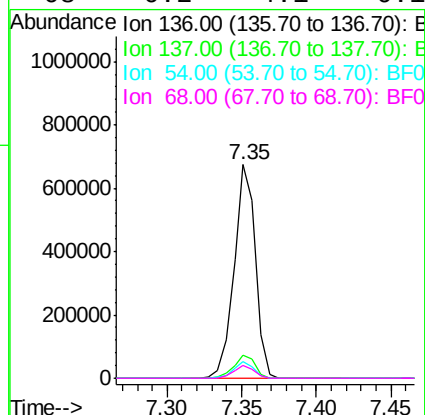
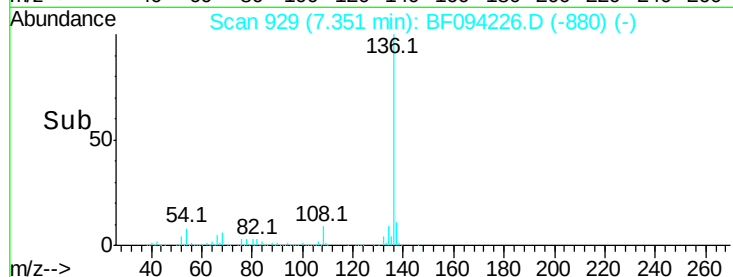
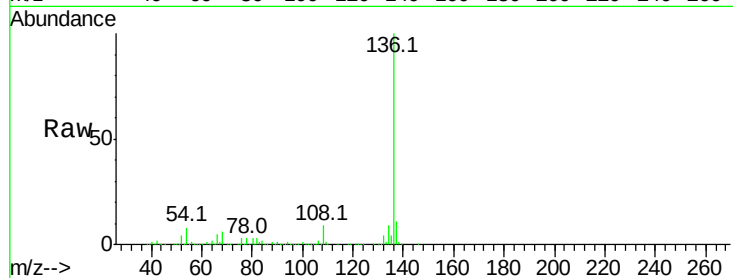
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.35 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.7	4.9	7.3#
68	6.2	4.1	6.1#

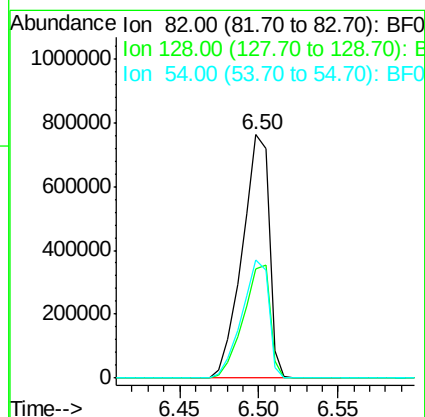
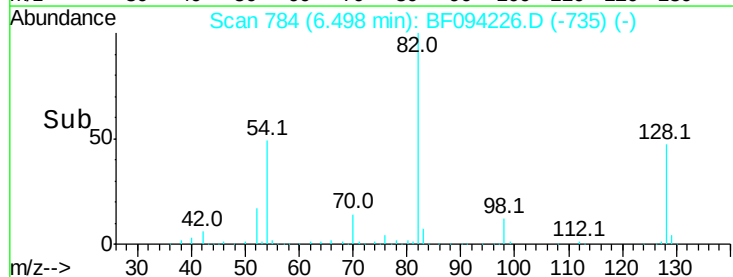
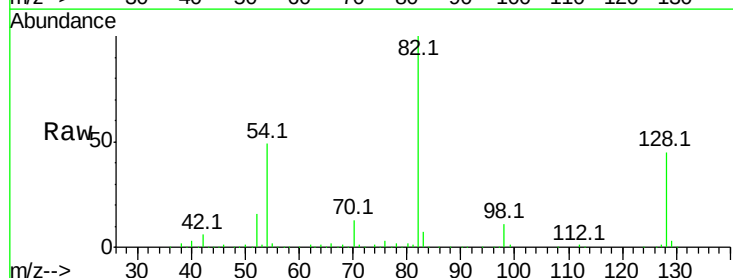
Manual Integrations
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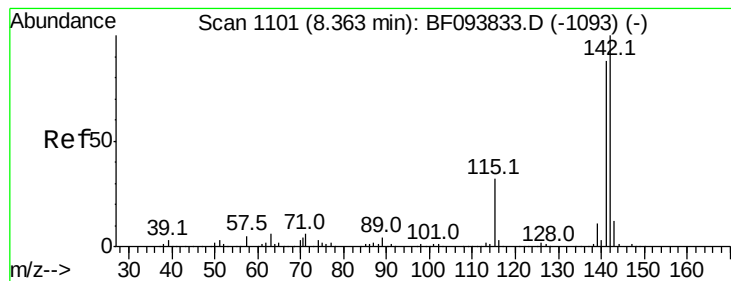
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#23
Nitrobenzene-d5
Concen: 75.43 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.8	34.0	51.0
54	48.5	42.2	63.2





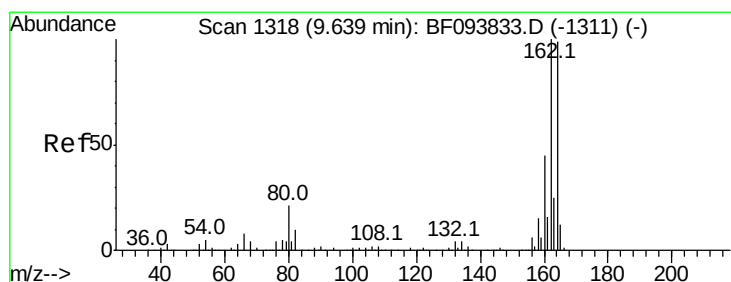
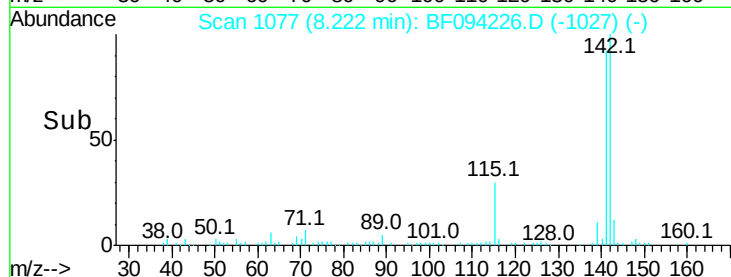
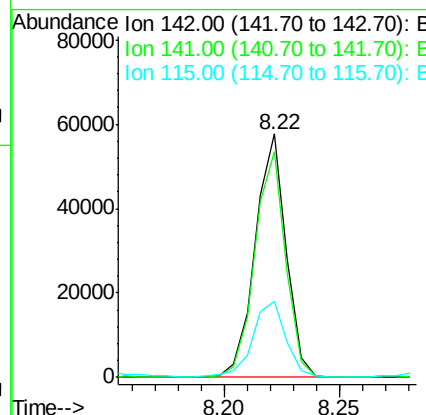
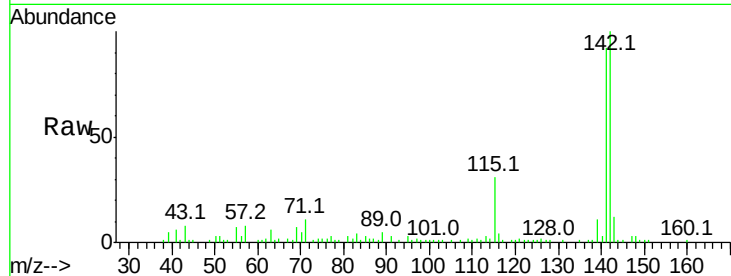
#37
2-Methylnaphthalene
Concen: 2.49 ng
RT: 8.22 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.3	106.9
115	31.3	27.1	40.7

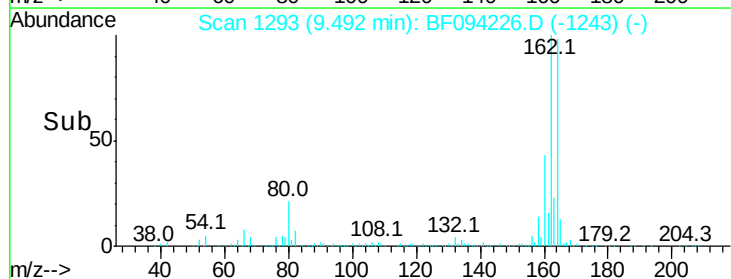
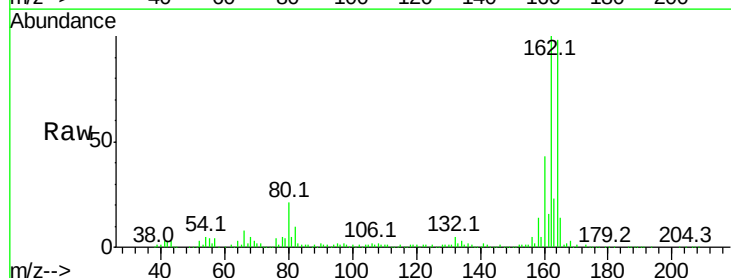
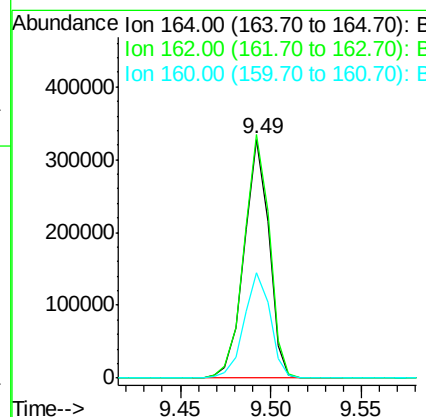
Manual Integrations
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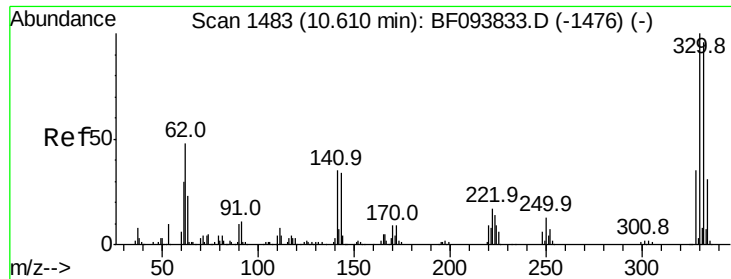
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	44.3	36.2	54.2





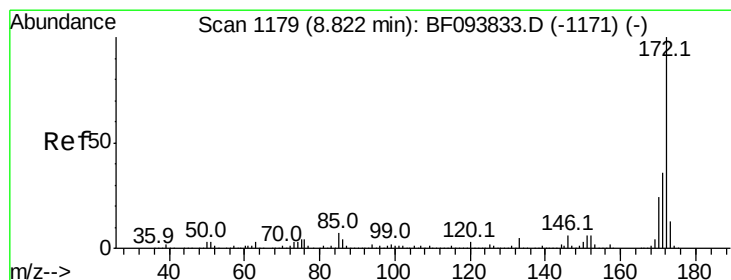
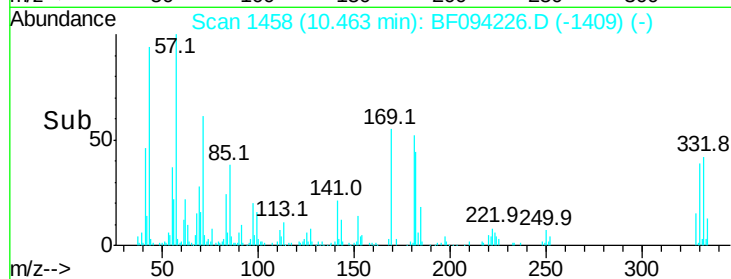
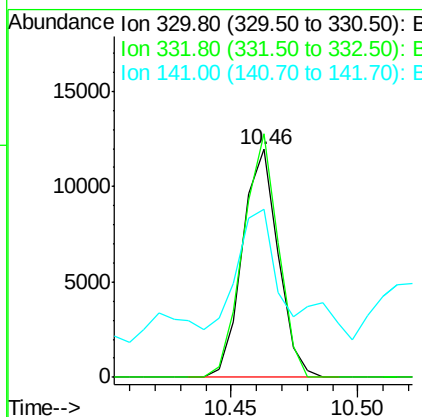
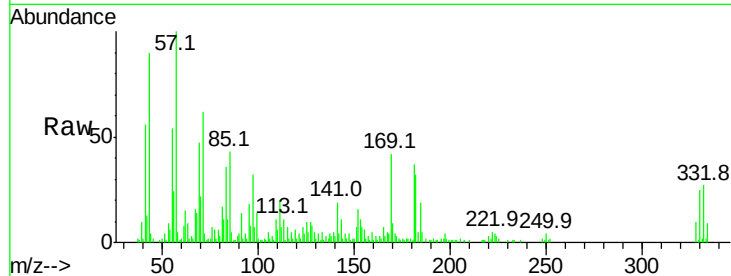
#41
 2,4,6-Tribromophenol
 Concen: 4.75 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF094226.D
 Acq: 6 Apr 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-NW

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.5	76.6	115.0
141	77.8	31.4	47.2

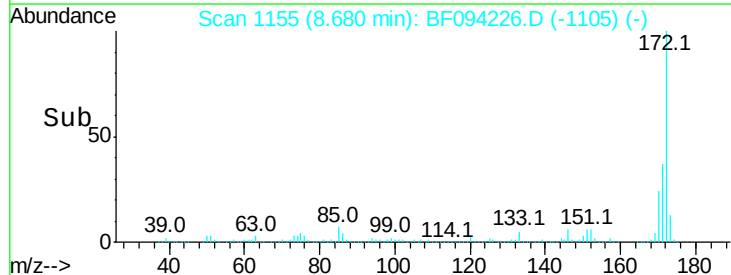
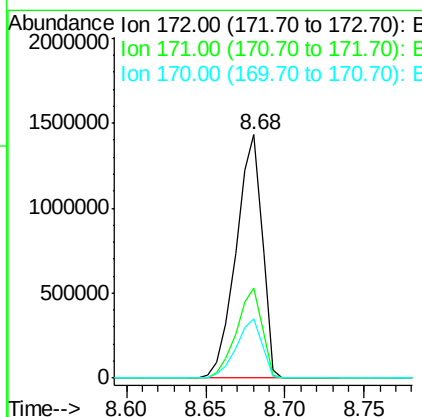
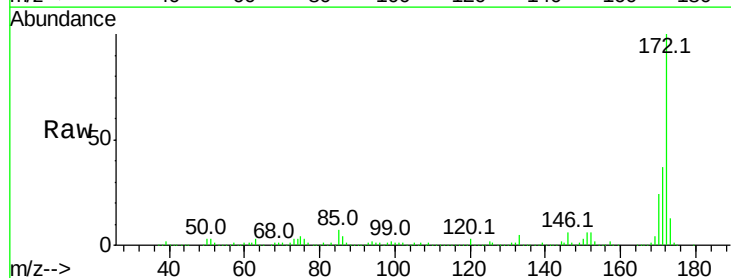
Manual Integrations
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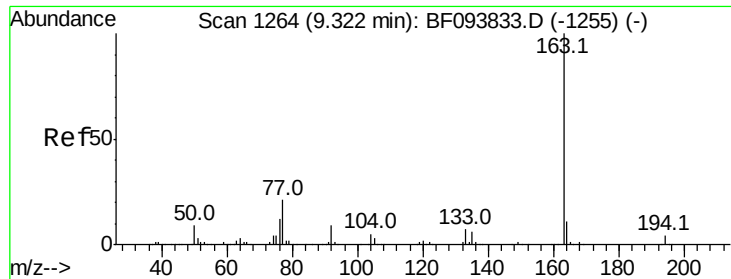
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#44
 2-Fluorobiphenyl
 Concen: 79.25 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094226.D
 Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	24.2	19.8	29.8





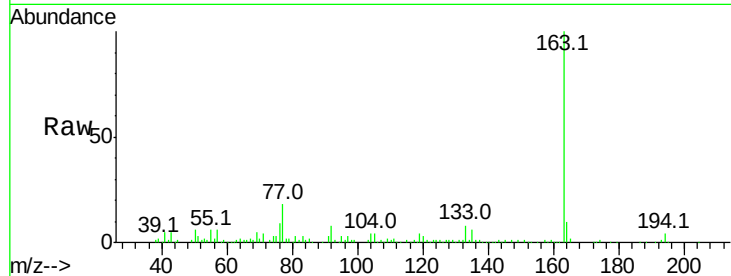
#49
Dimethylphthalate
Concen: 5.99 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

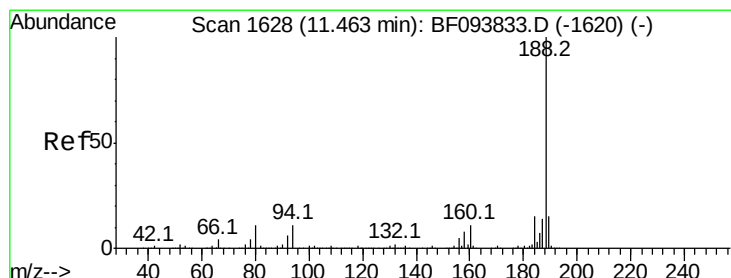
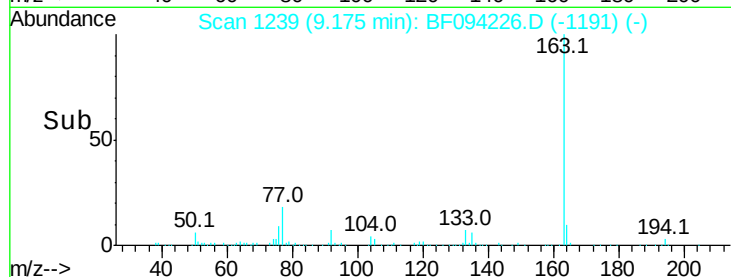
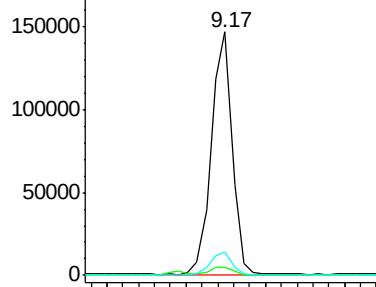
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	

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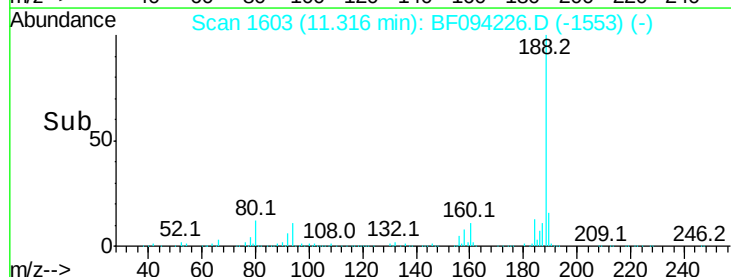
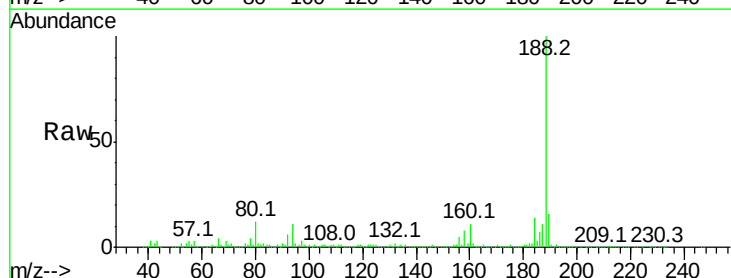
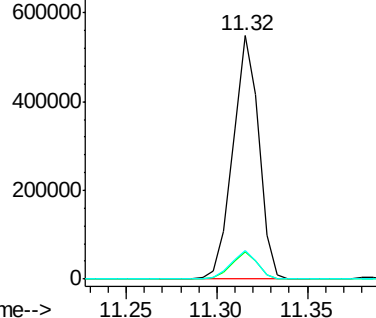
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

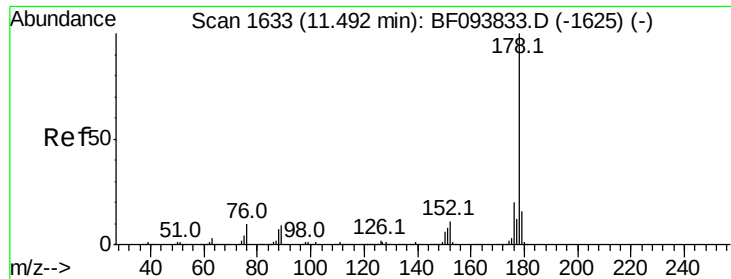


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.0	9.4	14.2	
80	11.9	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





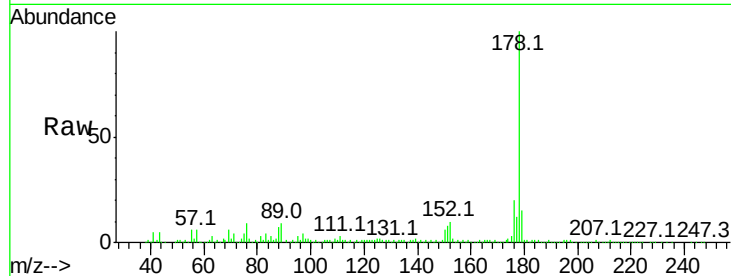
#70
Phenanthrene
Concen: 8.43 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

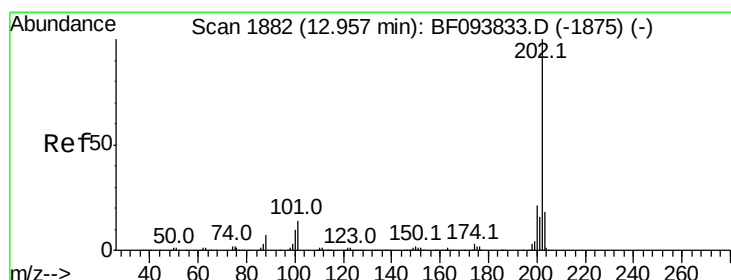
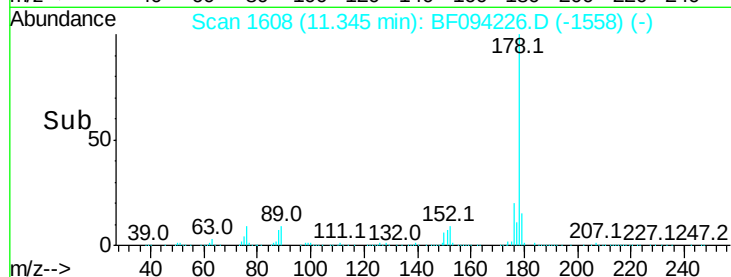
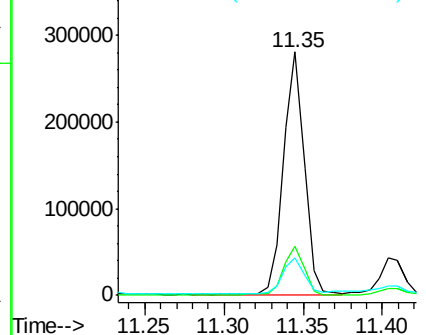
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.2	12.6	19.0

Manual Integrations
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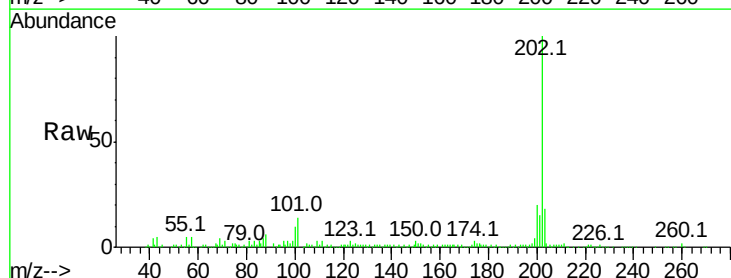


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

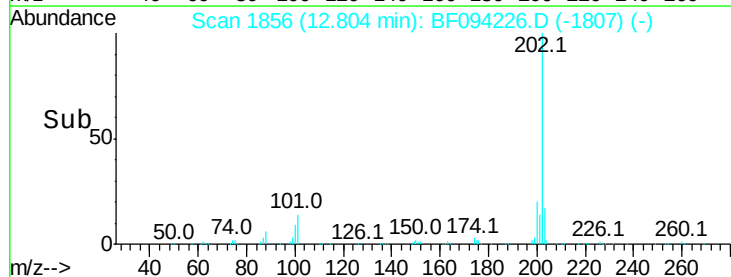
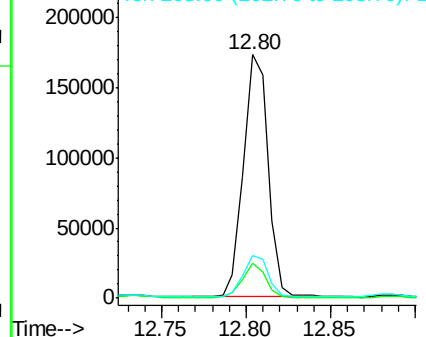


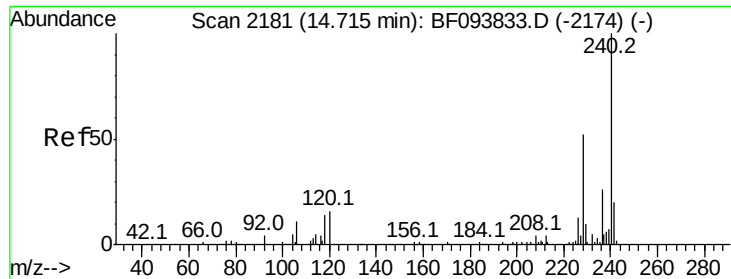
#74
Fluoranthene
Concen: 5.66 ng
RT: 12.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.7	0.0	38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

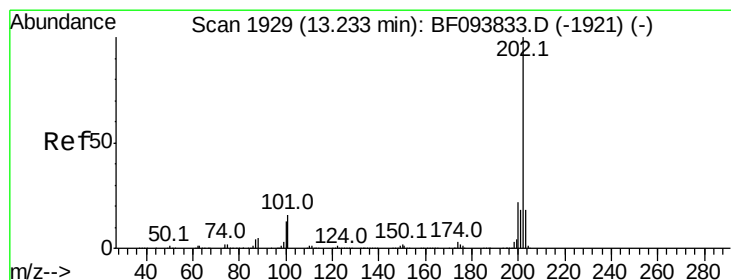
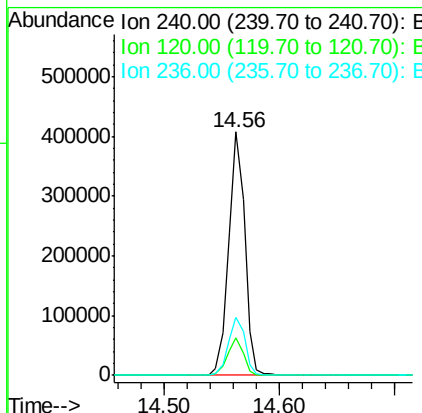
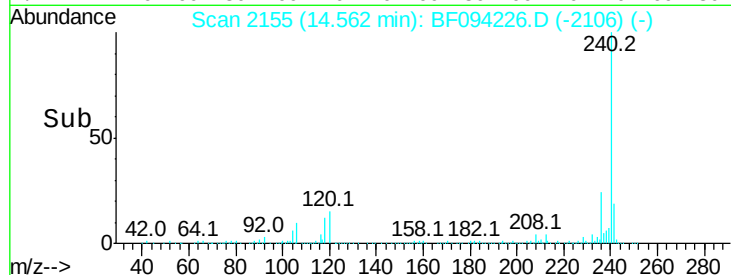
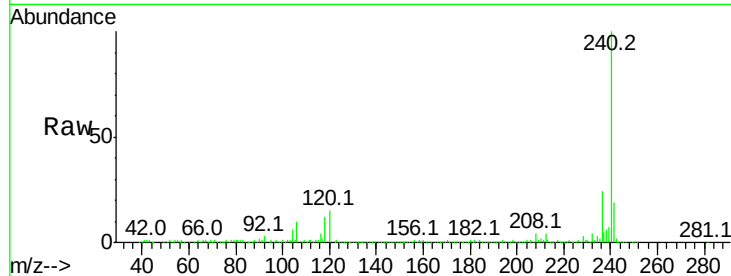
ClientSampleId :

E2-CONCRETE-NW

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	23.8	20.5	30.7

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#77

Pyrene

Concen: 5.79 ng

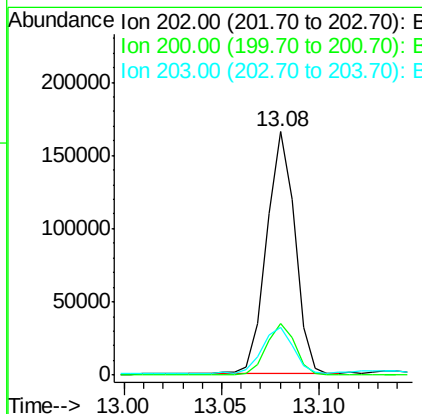
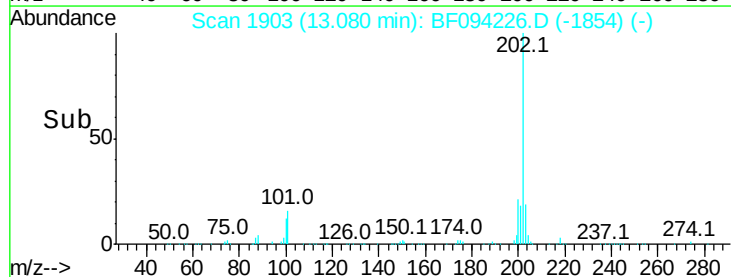
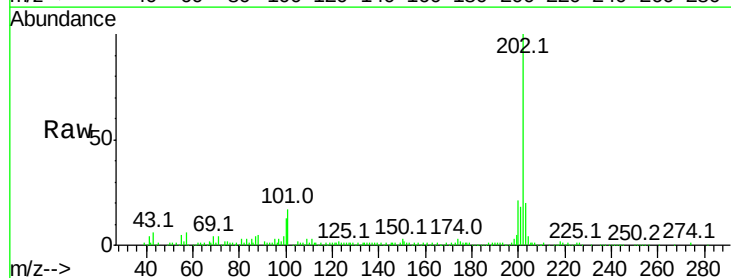
RT: 13.08 min Scan# 1903

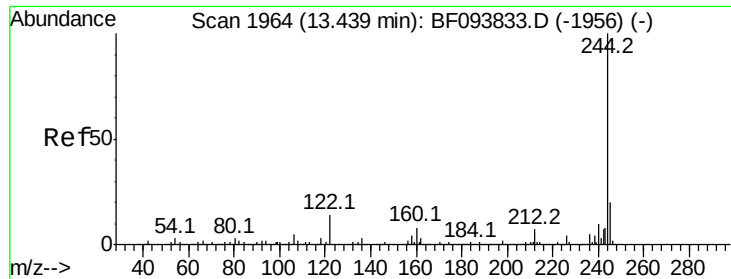
Delta R.T. -0.01 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.6	14.4	21.6





#78

Terphenyl-d14

Concen: 75.71 ng

RT: 13.30 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-NW

Tot Ion:244 Resp: 1336565

Ion Ratio Lower Upper

244 100

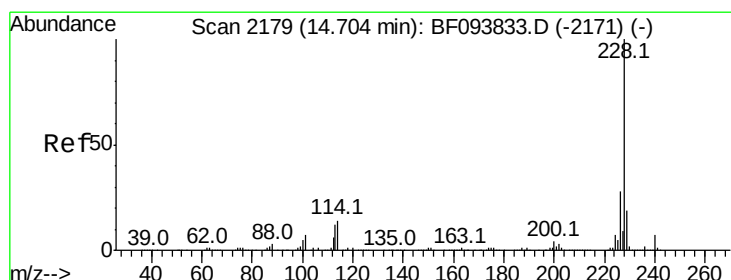
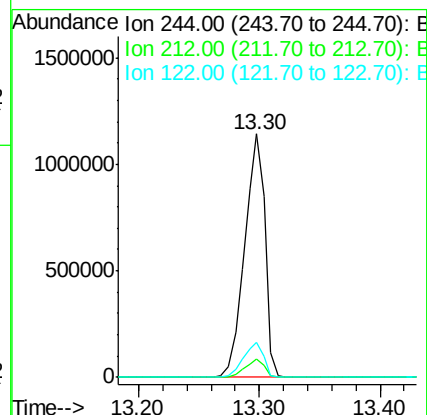
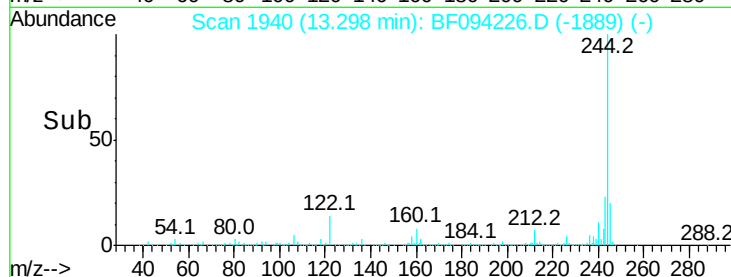
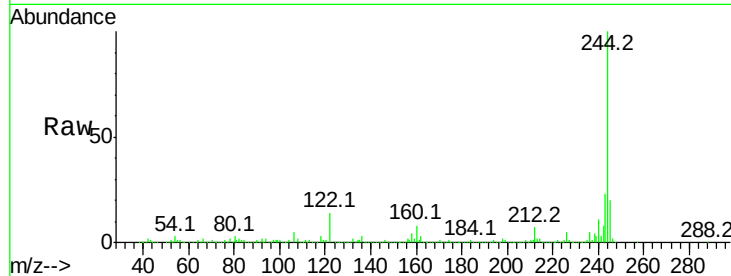
212 7.3 6.0 9.0

122 14.3 10.3 15.5

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#80

Benzo(a)anthracene

Concen: 2.21 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BF094226.D

Acq: 6 Apr 2017 14:16

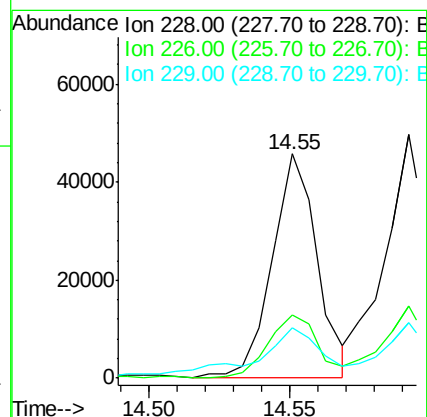
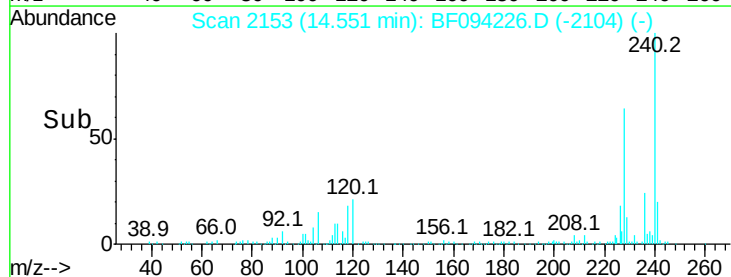
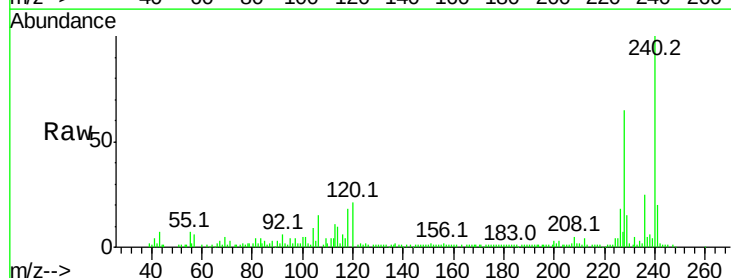
Tgt Ion:228 Resp: 50908

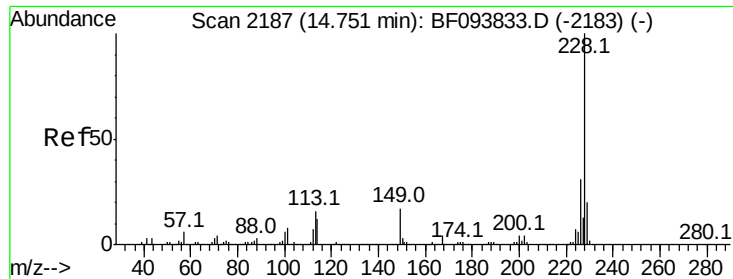
Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

229 22.5 16.3 24.5





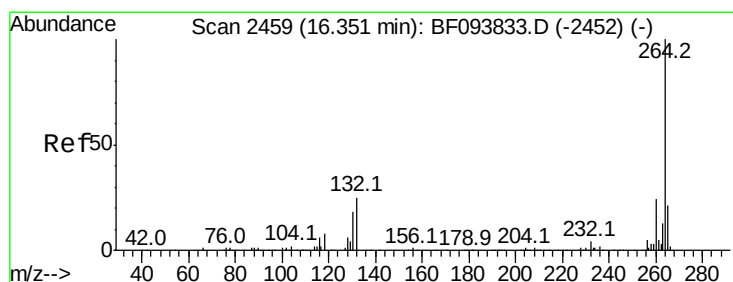
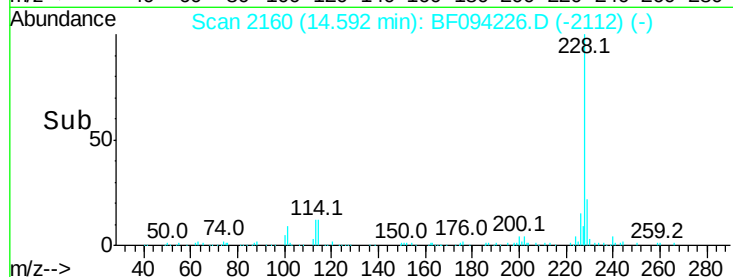
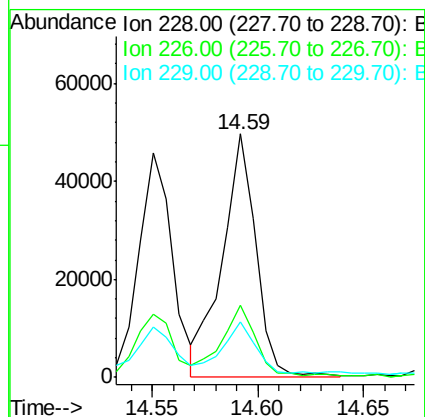
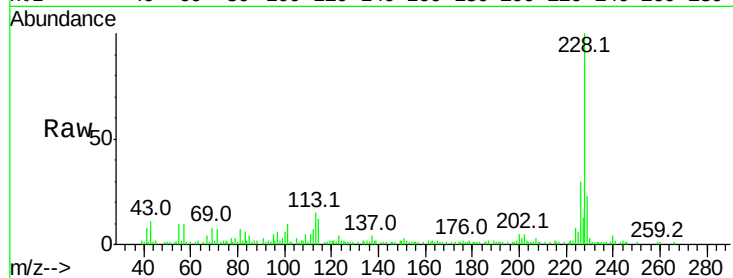
#82
Chrysene
Concen: 2.57 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Tot Ion:228	Resp:	55021
Ion Ratio	Lower	Upper
228 100		
226 29.6	24.9	37.3
229 23.0	15.8	23.6

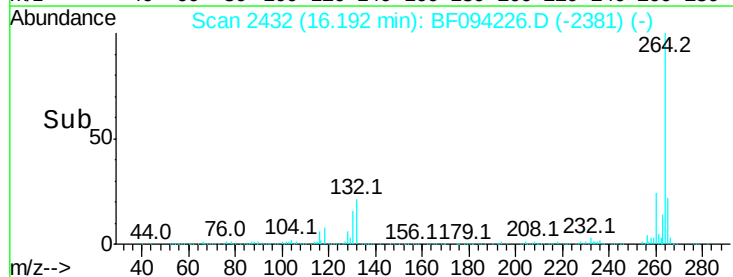
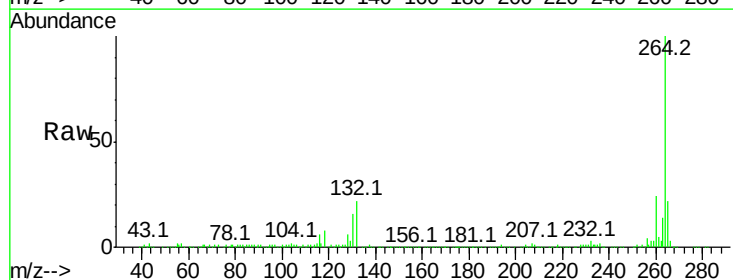
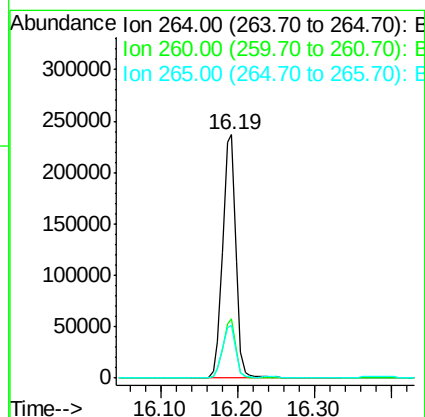
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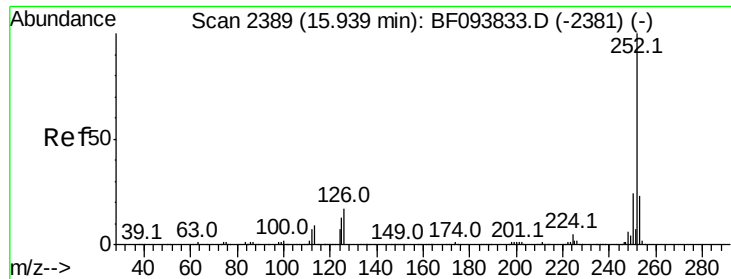
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion:264	Resp:	280526
Ion Ratio	Lower	Upper
264 100		
260 24.1	19.5	29.3
265 21.6	17.2	25.8





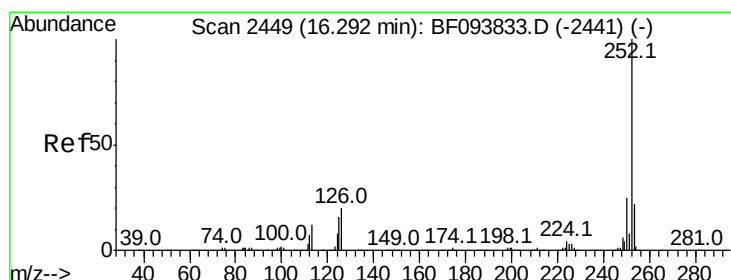
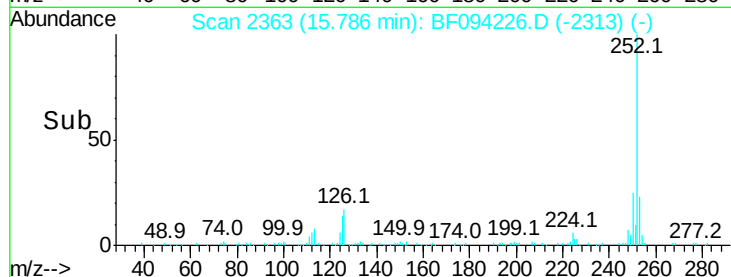
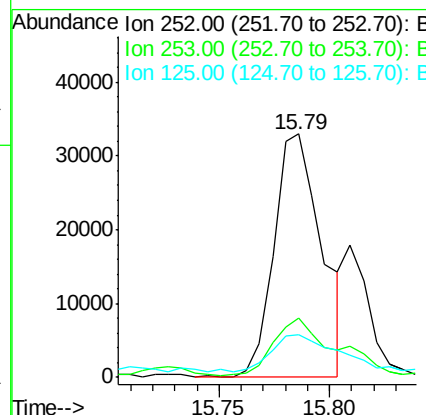
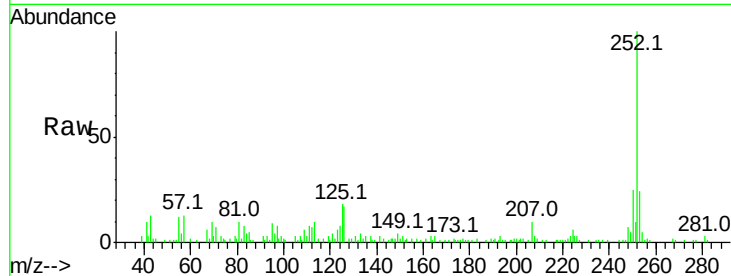
#87
Benzo(b)fluoranthene
Concen: 2.90 ng m
RT: 15.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-NW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	17.6	9.8	14.8

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.07 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094226.D
Acq: 6 Apr 2017 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.4	11.0	16.4

