

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094384.D
 Acq On : 12 Apr 2017 9:59
 Operator : SJ/MA
 Sample : I2622-03DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-5DL

Manual Integrations
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Quant Time: Apr 12 11:08:21 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	5.83	152	121903	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	452795	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	177075	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	292374	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	267937	20.00	ng	-0.02
86) Perylene-d12	16.18	264	193151	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	113	0.02	ng	0.00
7) Phenol-d6	5.43	99	1251	0.14	ng	-0.03
23) Nitrobenzene-d5	6.47	82	89648	11.30	ng	-0.04
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.65	172	200028	17.23	ng	-0.04
78) Terphenyl-d14	13.27	244	149629	12.52	ng	-0.02
Target Compounds						
37) 2-Methylnaphthalene	8.20	142	68997	4.75	ng	96
70) Phenanthrene	11.33	178	368526	22.66	ng	98
71) Anthracene	11.39	178	52161m	3.11	ng	
74) Fluoranthene	12.79	202	64537	3.88	ng	99
77) Pyrene	13.07	202	300690	15.46	ng	99
80) Benzo(a)anthracene	14.54	228	48708m	3.12	ng	
82) Chrysene	14.58	228	73622m	5.08	ng	

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

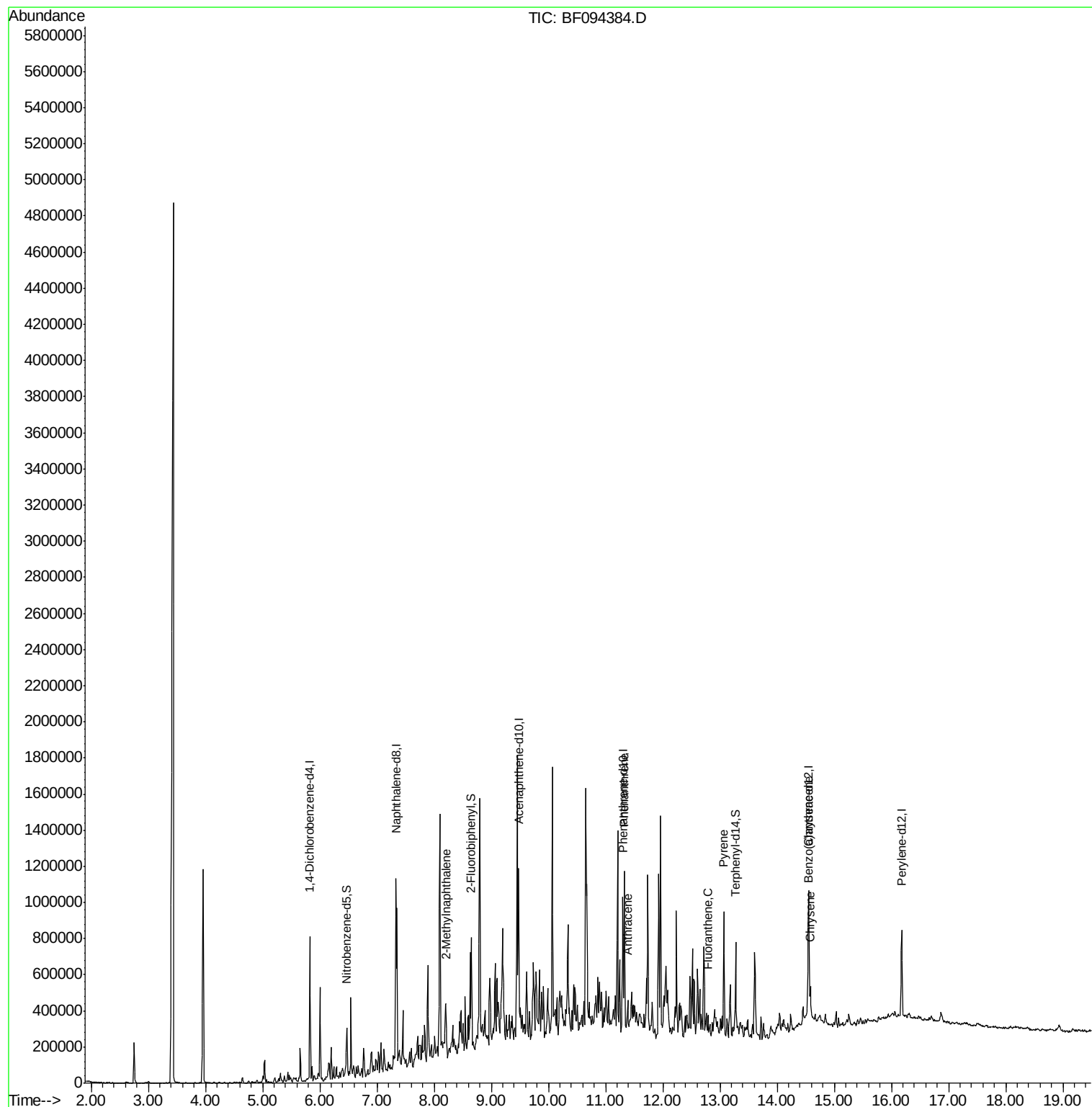
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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ALS Vial : 31 Sample Multiplier: 1

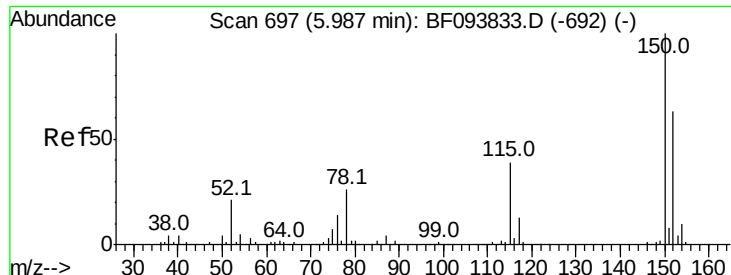
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Manual Integrations
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Quant Time: Apr 12 11:08:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

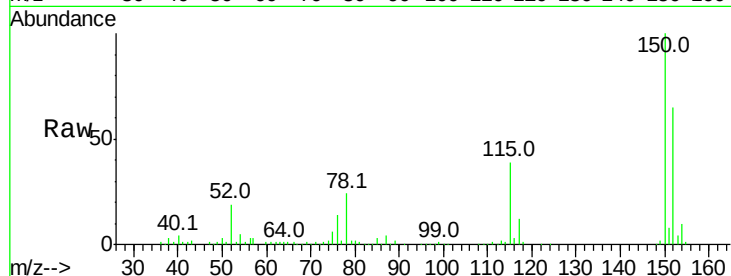
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.2
115	59.9	52.2	78.2

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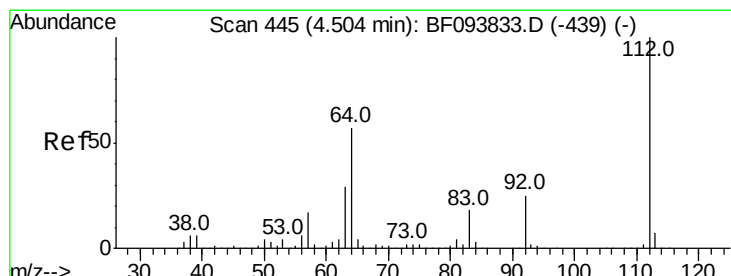
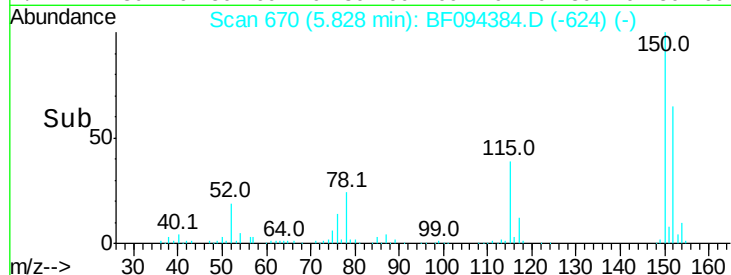
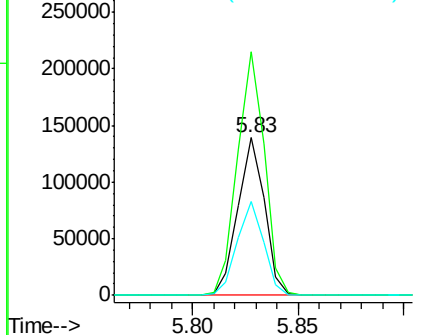


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

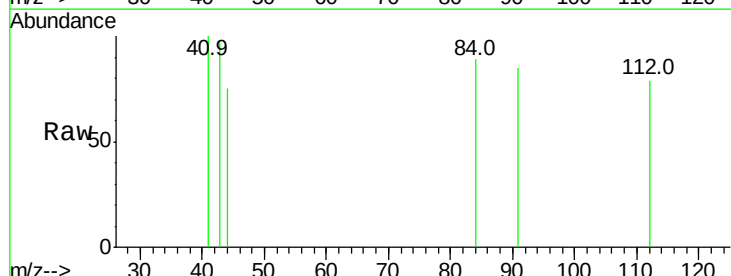
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.02 ng
RT: 4.39 min Scan# 426
Delta R.T. 0.01 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#

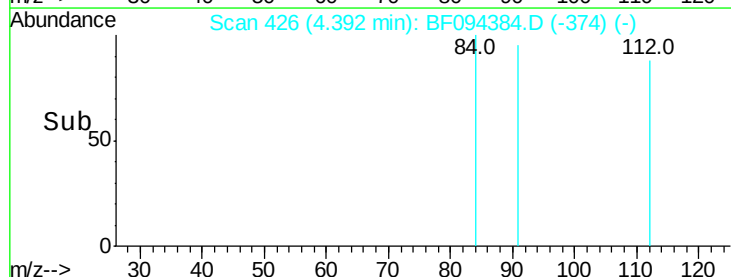
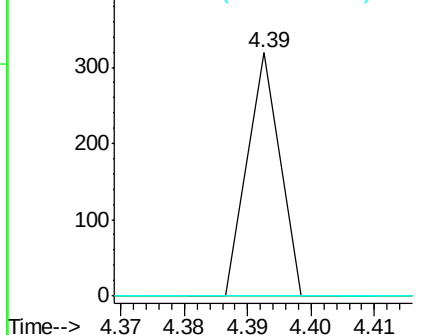


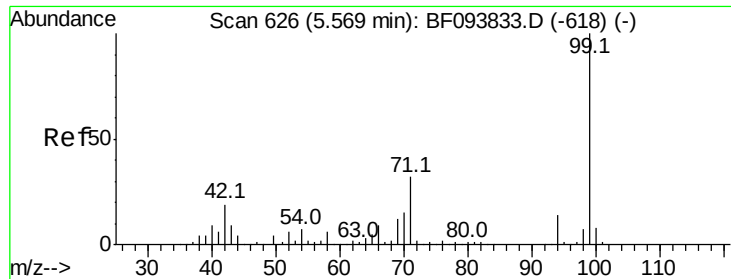
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.14 ng

RT: 5.43 min Scan# 603

Delta R.T. -0.03 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

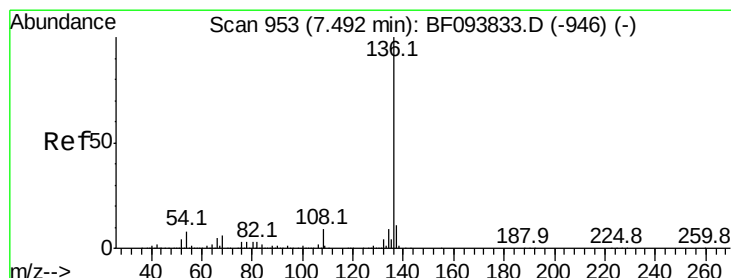
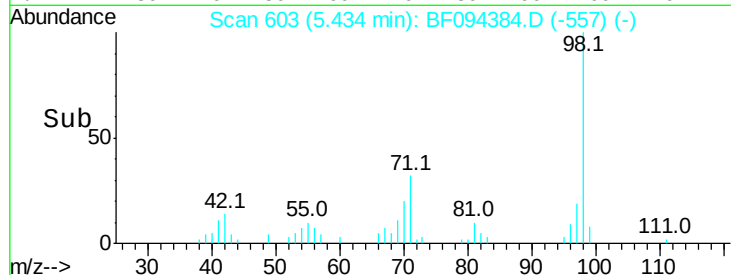
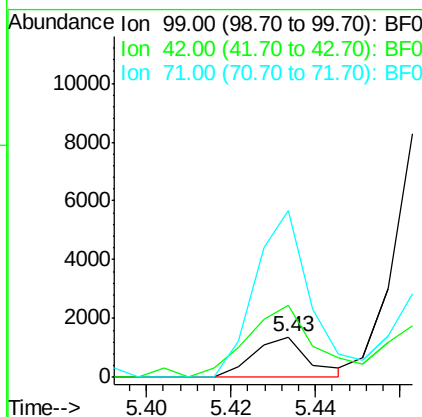
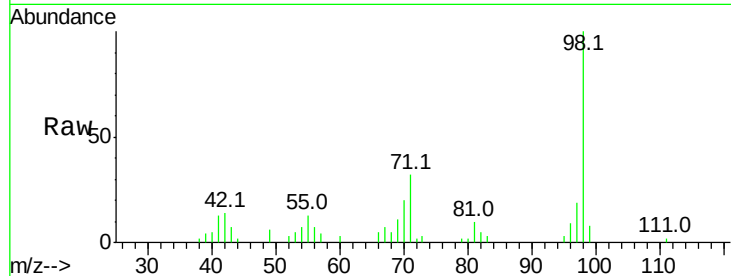
ClientSampleId :

E2-CONCRETE-BATCH-5DL

Tot Ion:	99	Resp:	1251
Ion Ratio	Lower	Upper	
99	100		
42	178.4	13.5	20.3#
71	414.8	24.5	36.7#

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#21

Naphthalene-d8

Concen: 20.00 ng

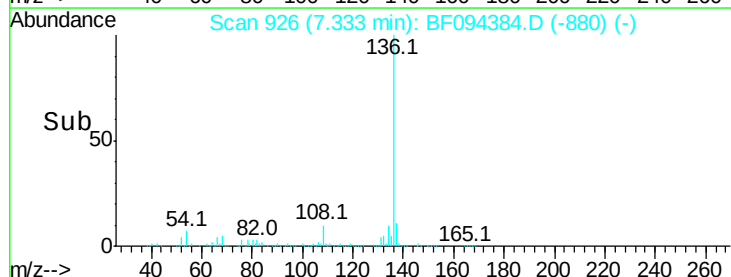
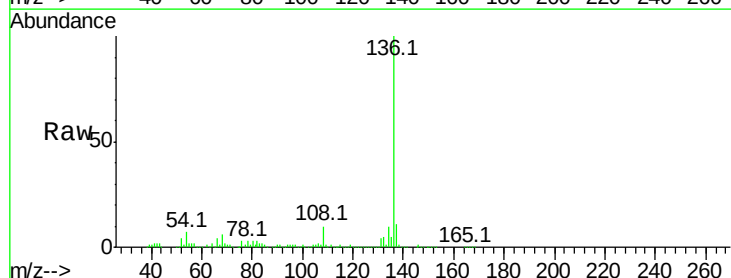
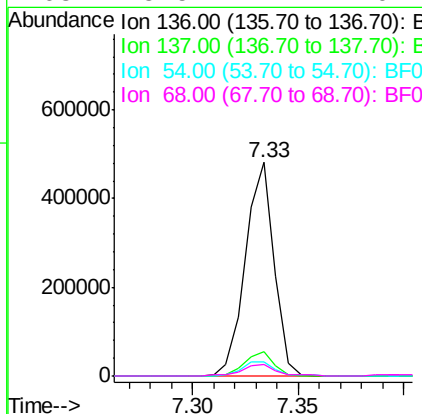
RT: 7.33 min Scan# 926

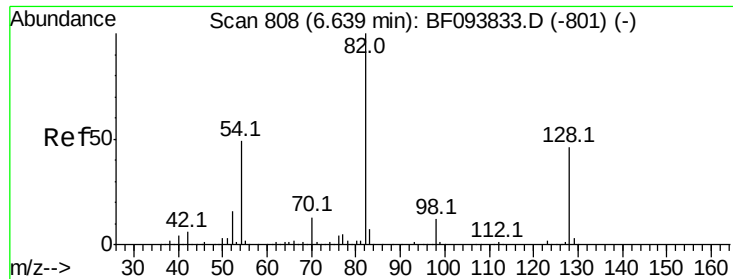
Delta R.T. -0.03 min

Lab File: BF094384.D

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Tgt Ion:	136	Resp:	452795
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.5	12.7
54	6.9	4.9	7.3
68	5.5	4.1	6.1





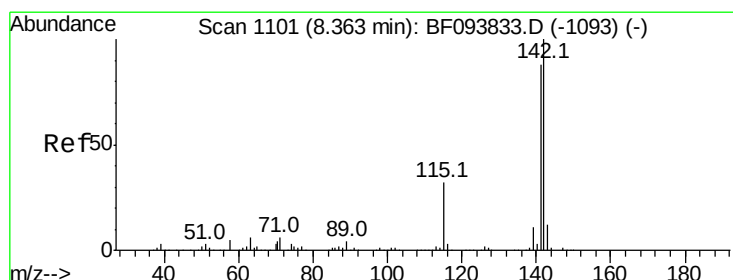
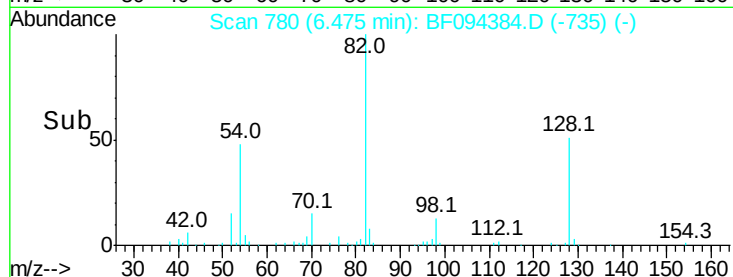
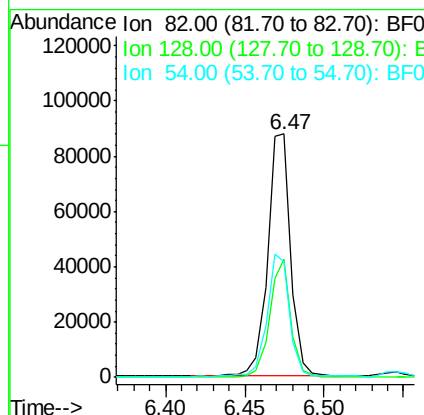
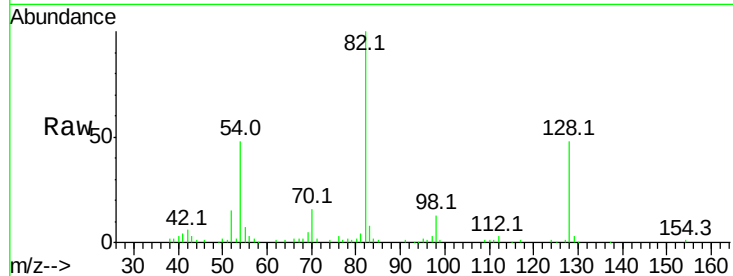
#23
 Nitrobenzene-d5
 Concen: 11.30 ng
 RT: 6.47 min Scan# 780
 Delta R.T. -0.04 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-5DL

Tot Ion:	82	Resp:	89648
Ion Ratio	Lower	Upper	
82	100		
128	48.4	34.0	51.0
54	47.6	42.2	63.2

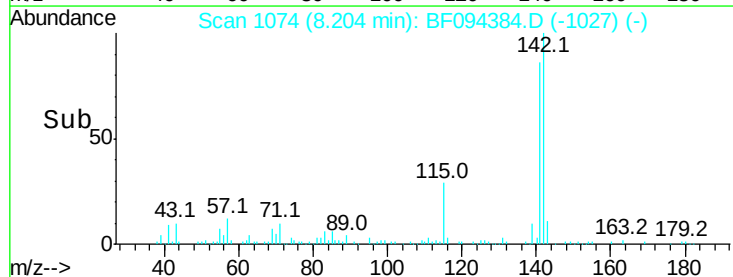
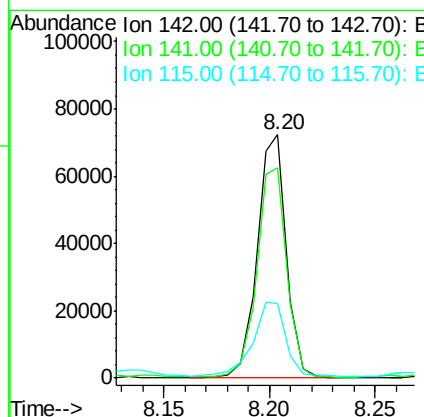
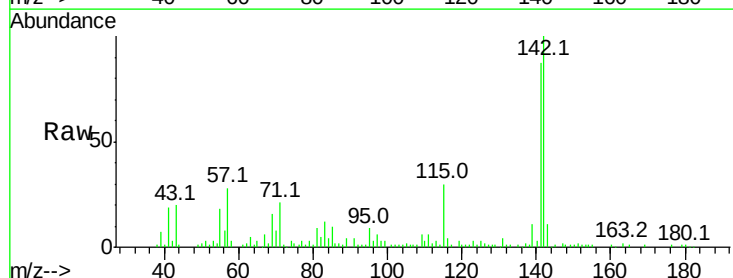
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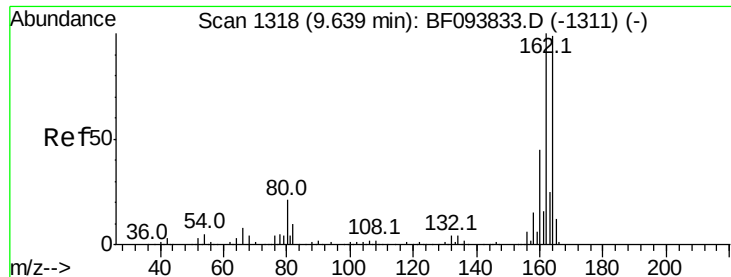
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#37
 2-Methylnaphthalene
 Concen: 4.75 ng
 RT: 8.20 min Scan# 1074
 Delta R.T. -0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion:	142	Resp:	68997
Ion Ratio	Lower	Upper	
142	100		
141	86.6	71.3	106.9
115	30.5	27.1	40.7





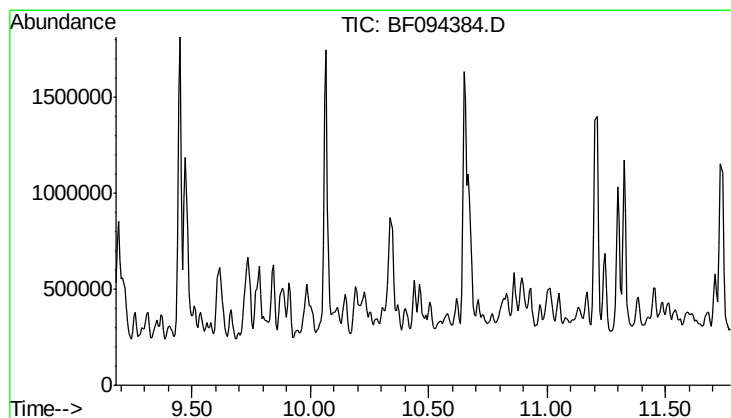
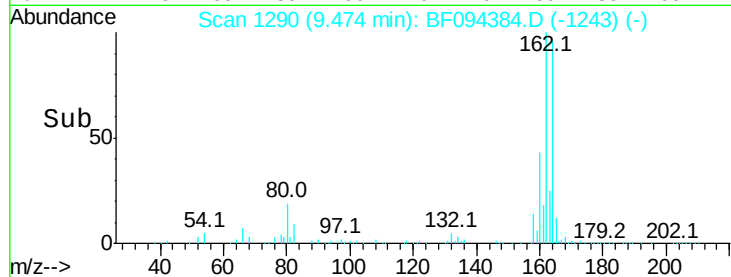
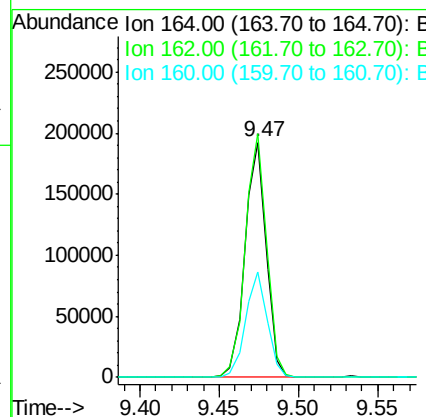
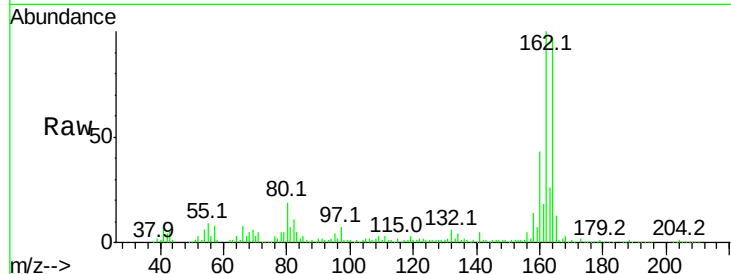
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.6	123.8	
160	44.6	36.2	54.2	

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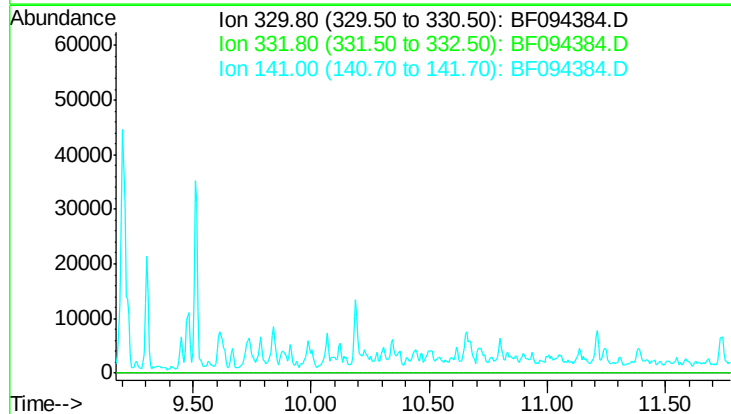
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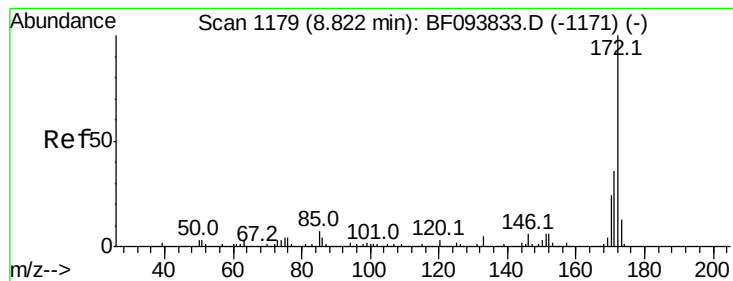


#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.47 min

Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion	Exp Ratio
330	100
332	95.8
141	39.3





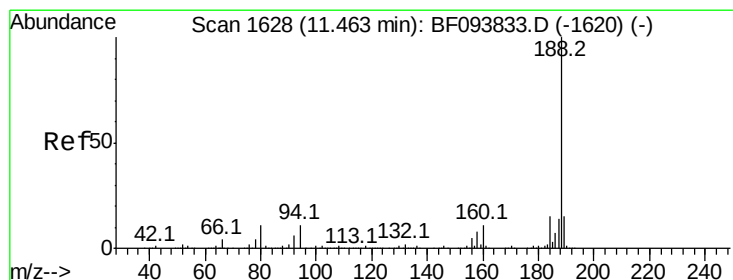
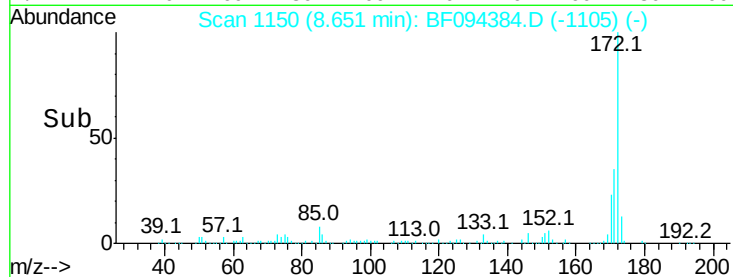
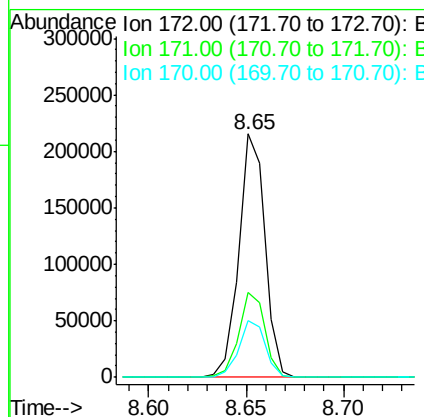
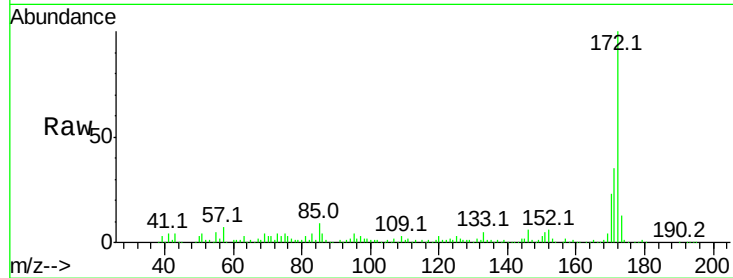
#44
2-Fluorobiphenyl
Concen: 17.23 ng
RT: 8.65 min Scan# 1150
Delta R.T. -0.04 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	200028		
171	34.8		29.6	44.4
170	23.2		19.8	29.8

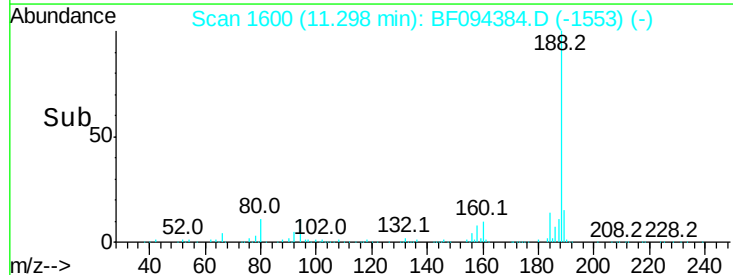
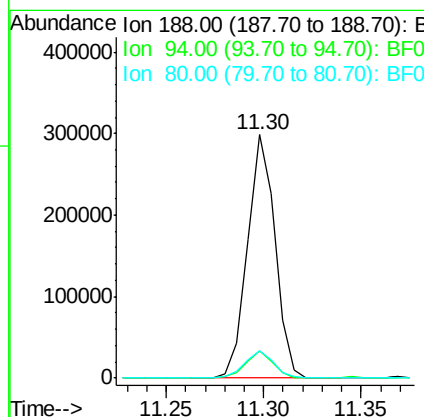
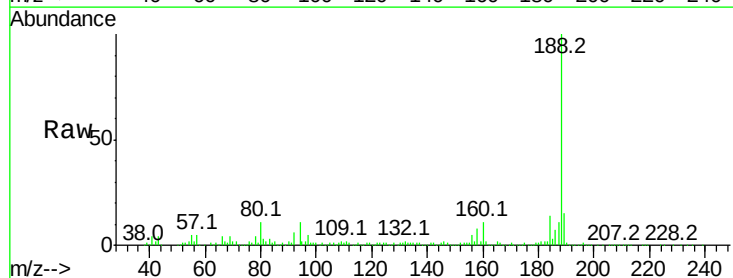
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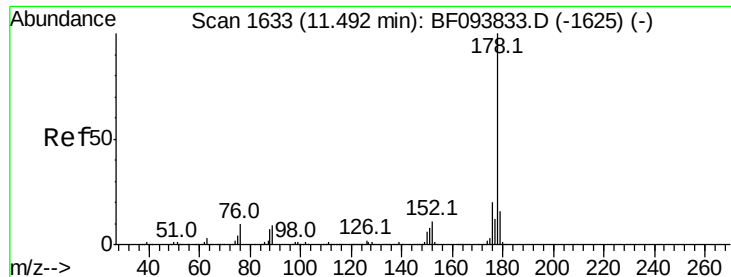
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	292374		
94	11.2		9.4	14.2
80	11.4		10.2	15.2





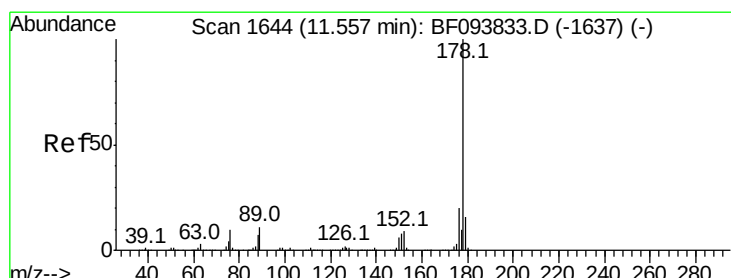
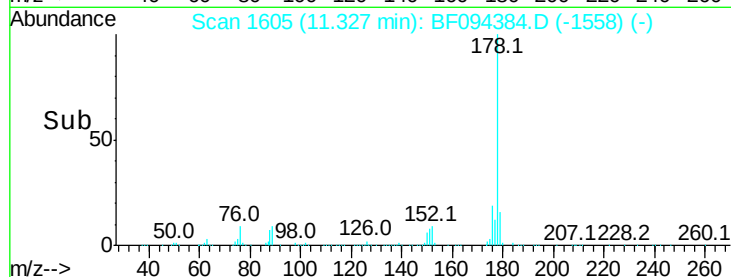
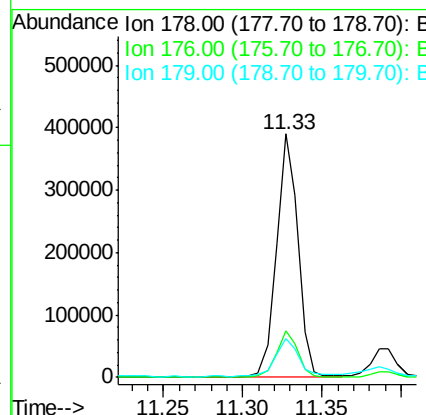
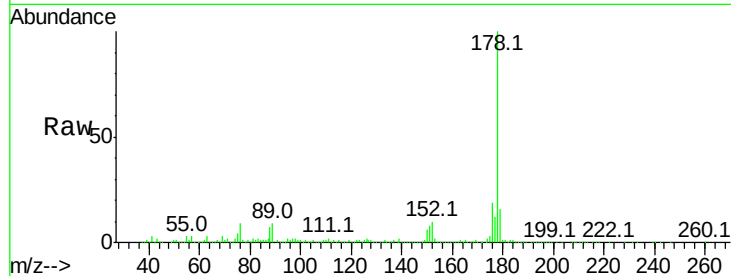
#70
Phenanthrene
Concen: 22.66 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.8	12.6	19.0

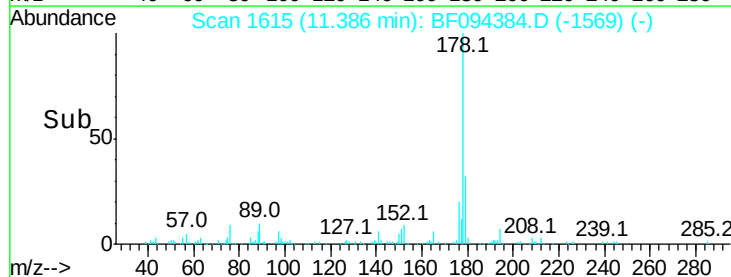
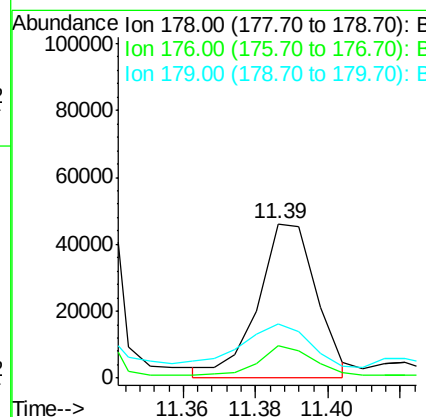
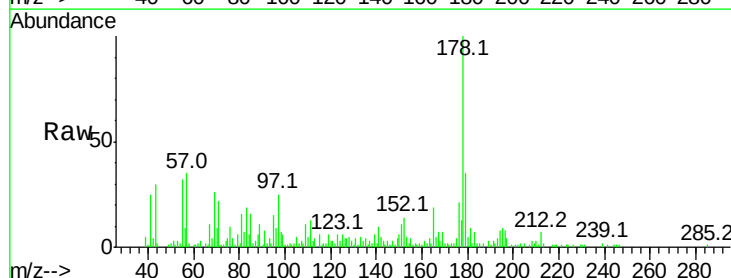
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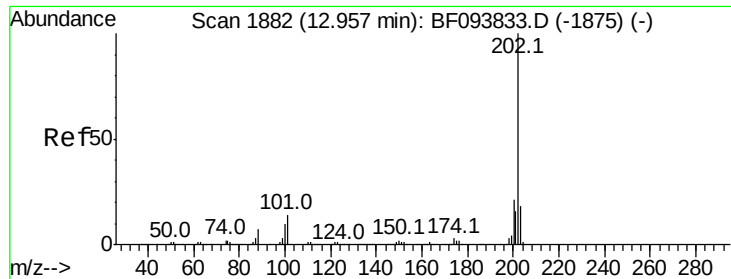
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#71
Anthracene
Concen: 3.11 ng m
RT: 11.39 min Scan# 1615
Delta R.T. -0.03 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	34.9	12.7	19.1#





#74

Fluoranthene

Concen: 3.88 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

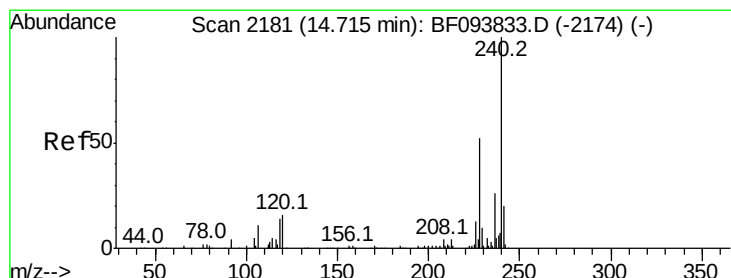
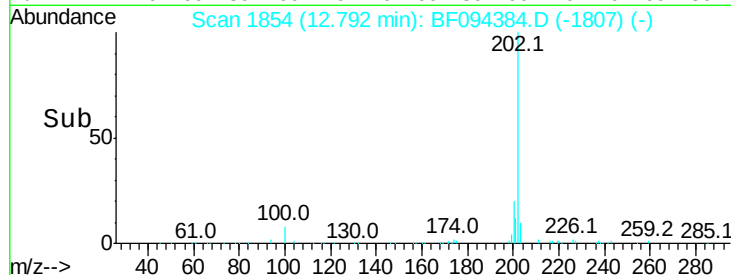
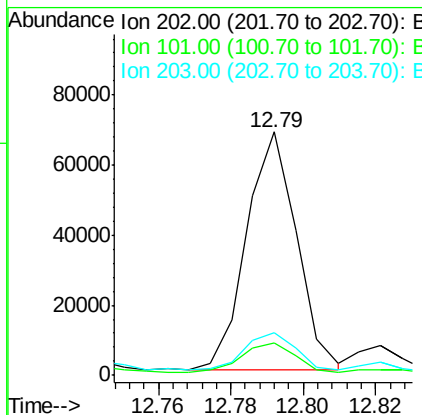
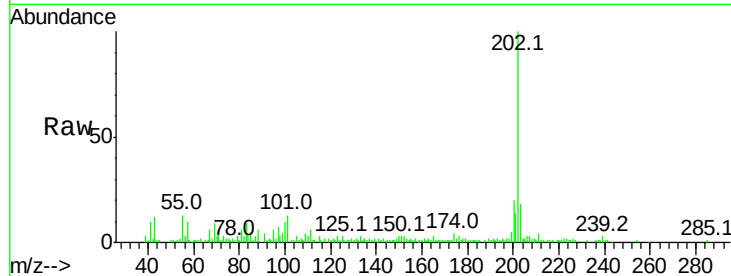
ClientSampleId :

E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

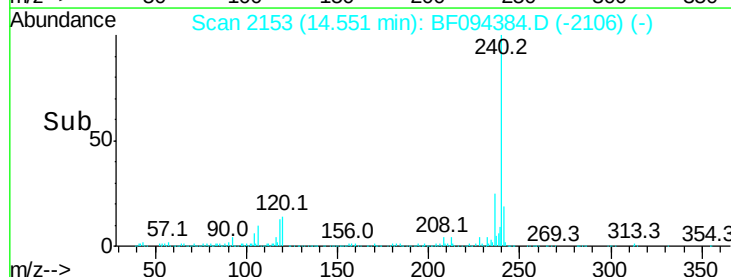
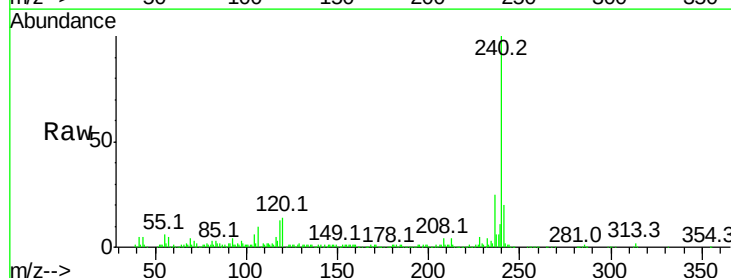
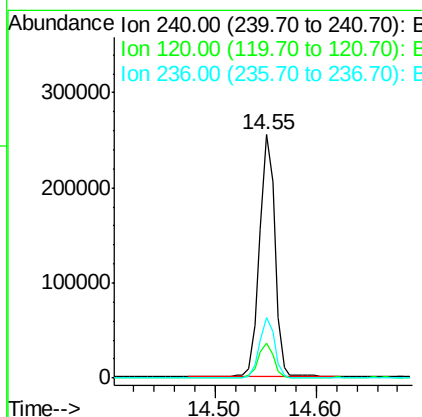
RT: 14.55 min Scan# 2153

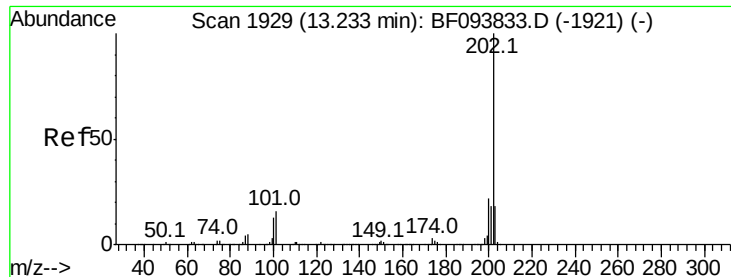
Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.8	20.5	30.7





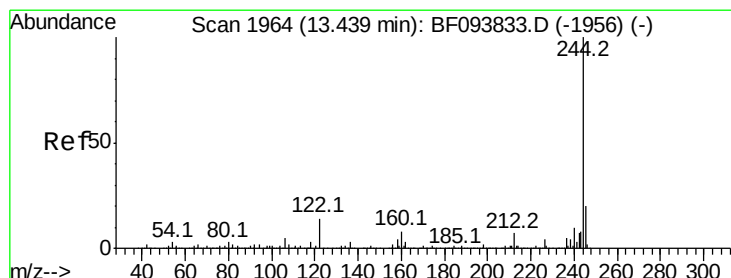
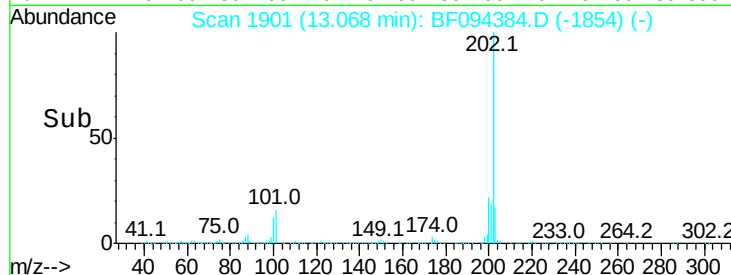
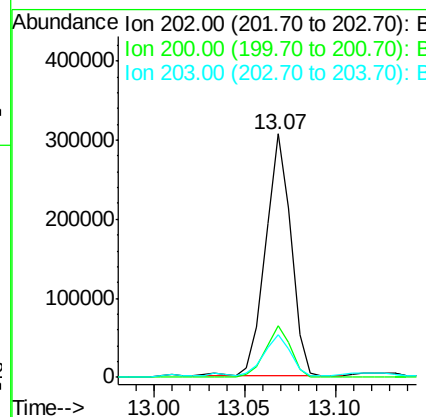
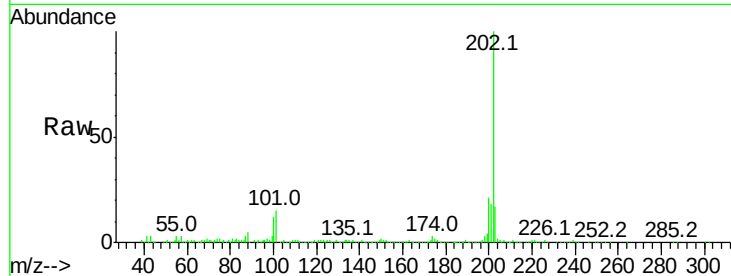
#77
Pvrene
Concen: 15.46 ng
RT: 13.07 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.3	14.4	21.6

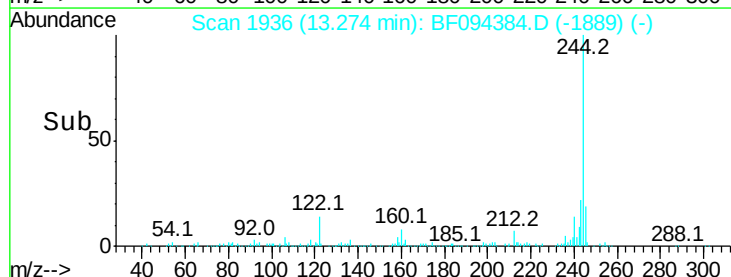
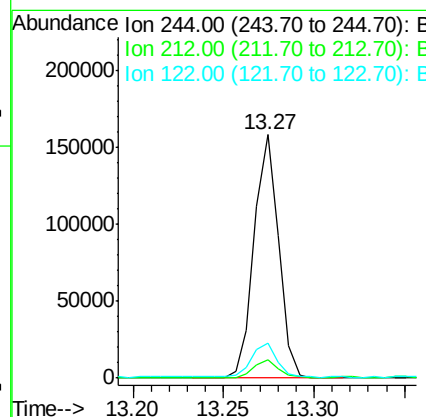
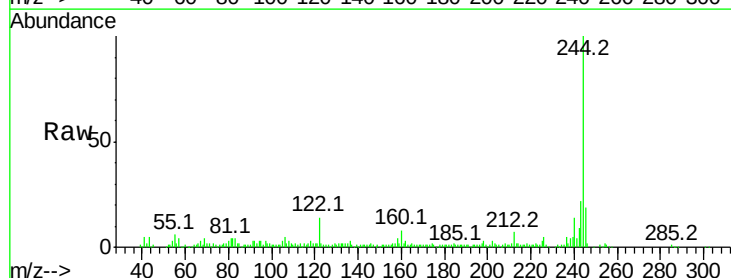
Manual Integrations
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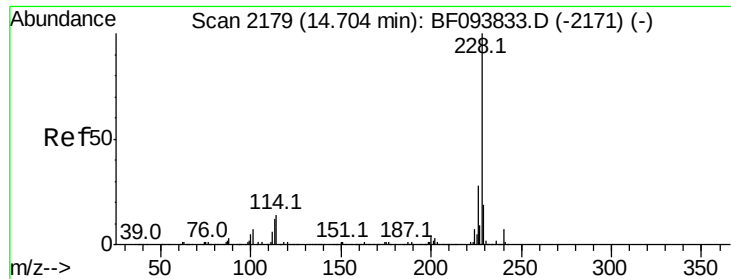
mohammad
4/12/2017 5:12:29 PM



#78
Terphenyl-d14
Concen: 12.52 ng
RT: 13.27 min Scan# 1936
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.4	10.3	15.5





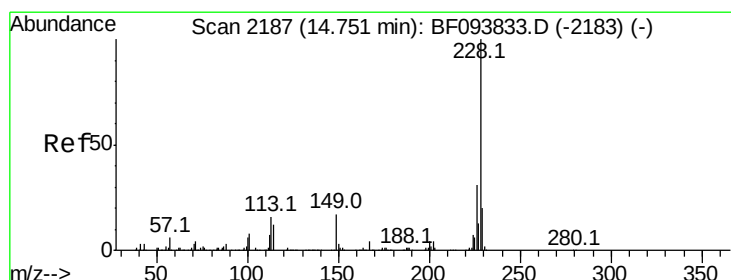
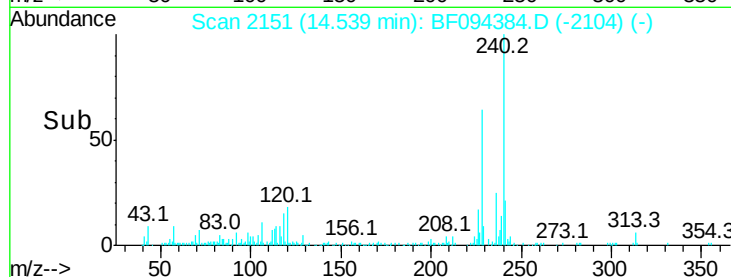
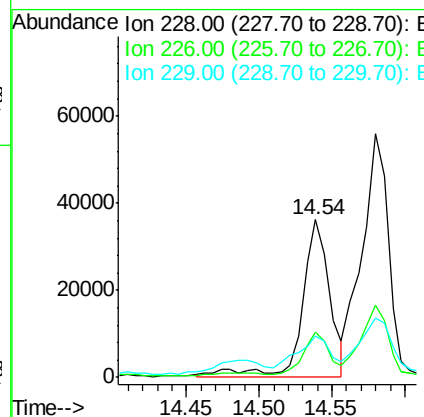
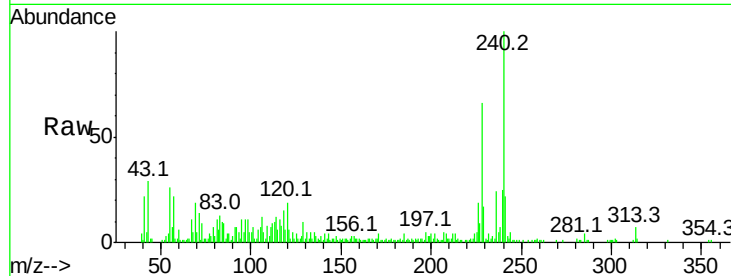
#80
Benzo(a)anthracene
Concen: 3.12 ng m
RT: 14.54 min Scan# 2151
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	26.2	16.3	24.5

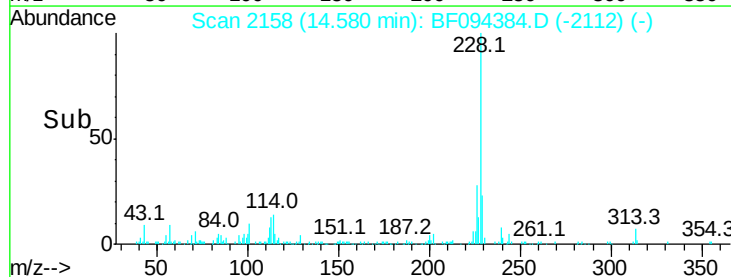
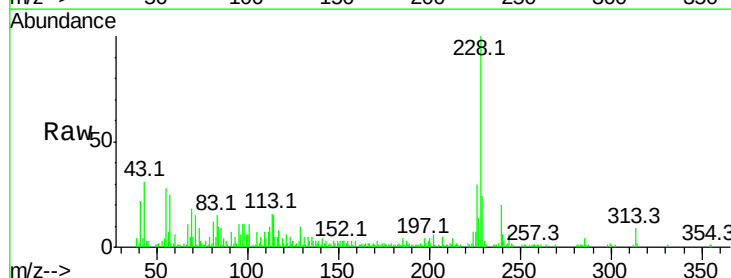
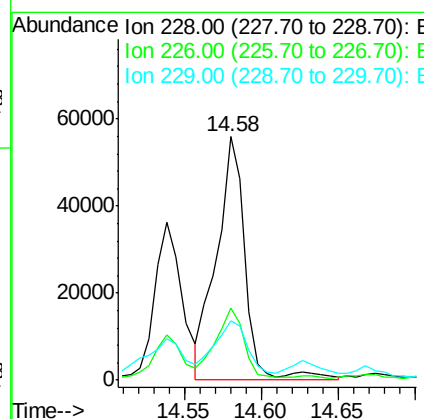
Manual Integrations
APPROVED

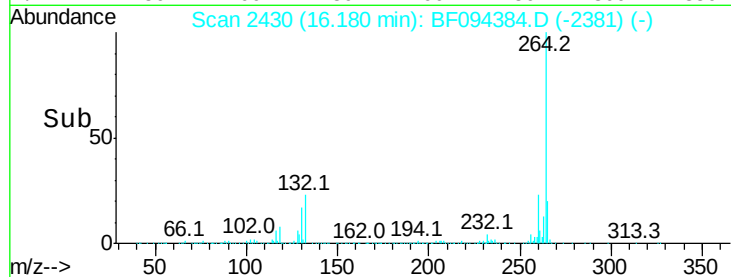
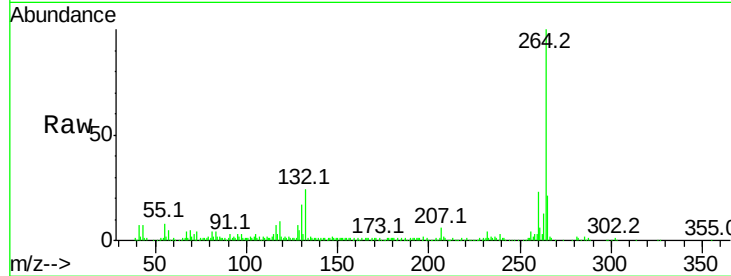
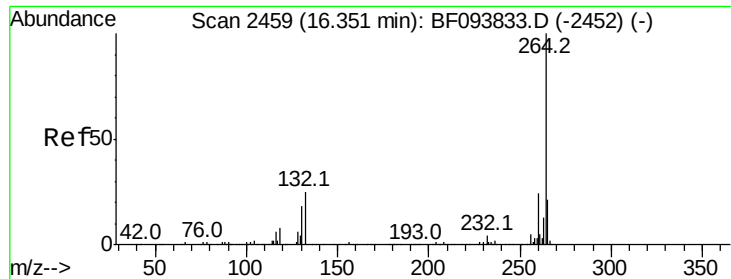
mohammad
4/12/2017 5:12:29 PM



#82
Chrysene
Concen: 5.08 ng m
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	24.2	15.8	23.6





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5DL

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.5	17.2	25.8

Manual Integrations
APPROVED

mohammad
4/12/2017 5:12:29 PM

