

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093175.D
 Acq On : 25 Feb 2017 7:00
 Operator : SJ/MA
 Sample : I1973-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-1

Manual Integrations
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 2/27/2017 1:08:11 PM

Quant Time: Feb 27 00:34:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	158221	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	603709	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	255370	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	393235	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	311083	20.00	ng	-0.01
86) Perylene-d12	15.44	264	272219	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	869349	94.27	ng	-0.02
7) Phenol-d6	6.48	99	1224990	103.23	ng	-0.01
23) Nitrobenzene-d5	7.40	82	700220	64.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	183666	99.44	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1113912	79.02	ng	-0.02
78) Terphenyl-d14	12.95	244	605297	45.72	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	68327	4.92	ng	Qvalue # 69
49) Dimethylphthalate	9.60	163	172769	10.04	ng	100
70) Phenanthrene	11.39	178	68118	3.02	ng	97
74) Fluoranthene	12.58	202	114624	4.93	ng	91
77) Pyrene	12.81	202	99741	4.28	ng	96
80) Benzo(a)anthracene	14.00	228	54637	2.87	ng	94
82) Chrysene	14.03	228	45882m	2.58	ng	
87) Benzo(b)fluoranthene	15.03	252	56919m	3.18	ng	
89) Benzo(a)pyrene	15.37	252	40576	2.62	ng	# 91

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

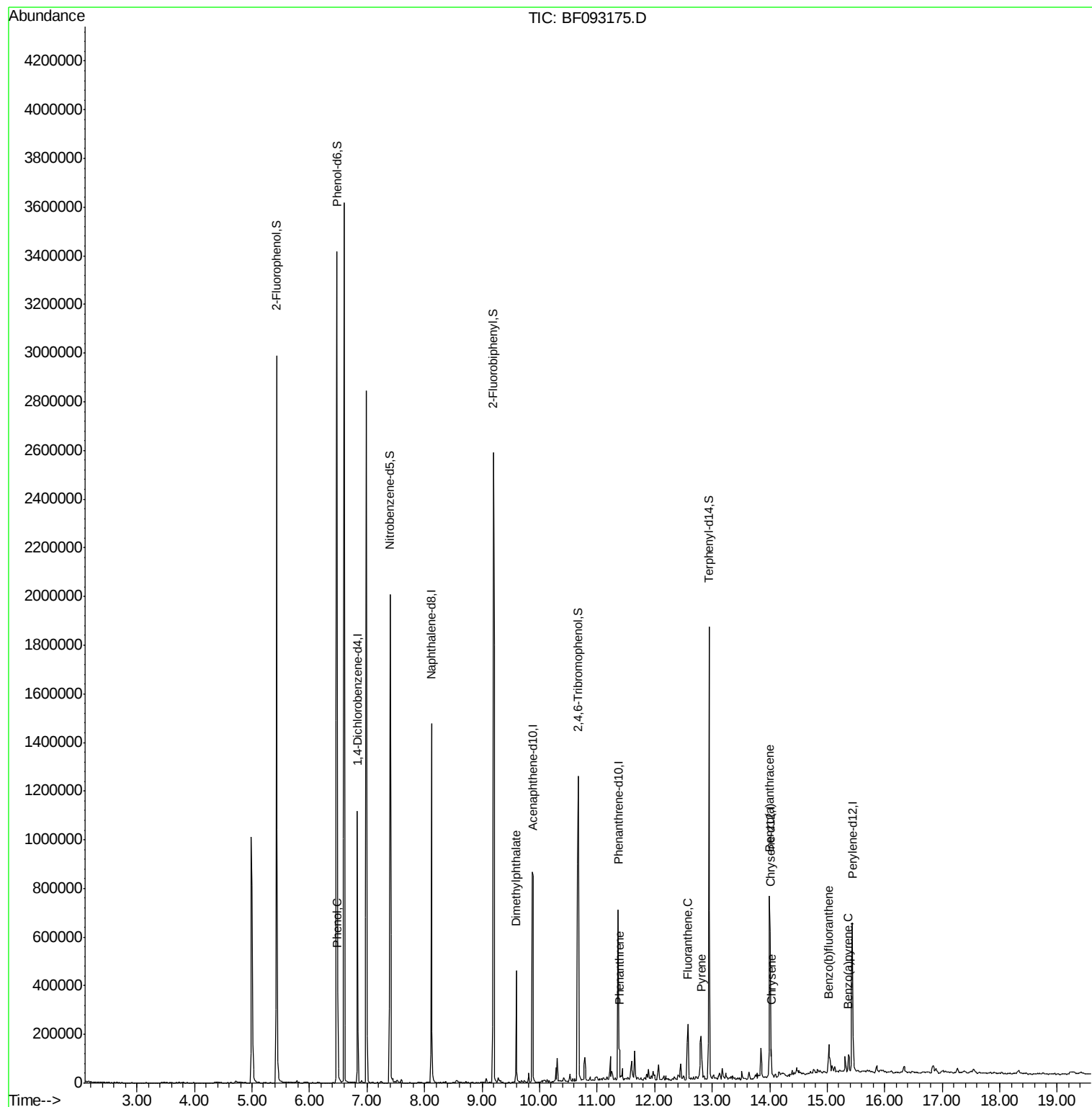
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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Sample : I1973-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

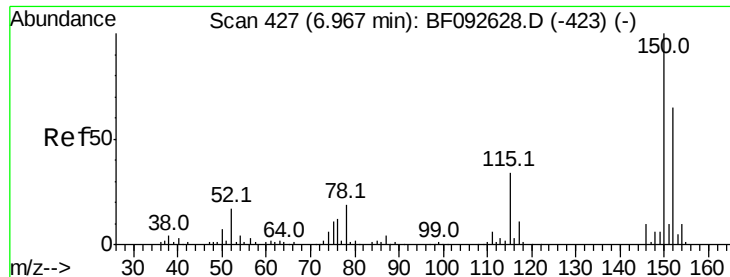
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

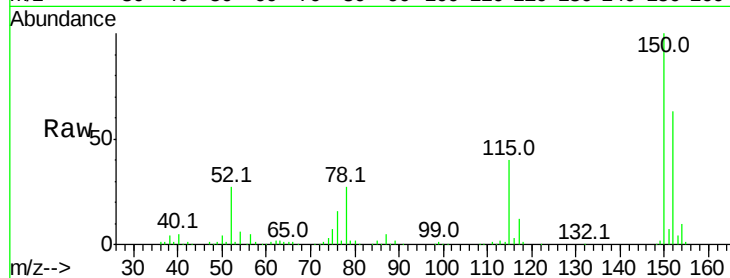
ClientSampleId :

E2-B1-B2-BASE-1

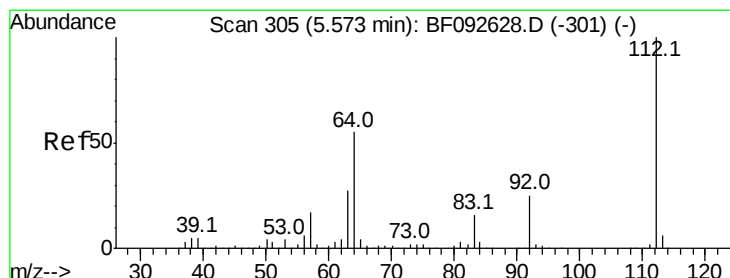
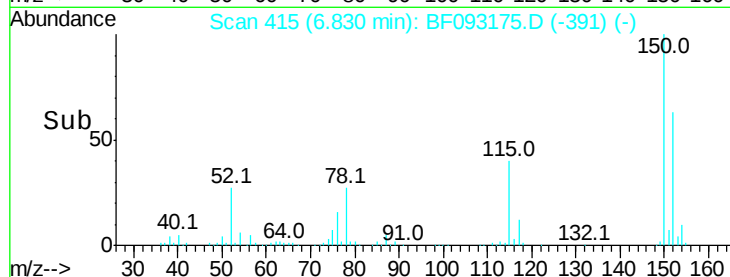
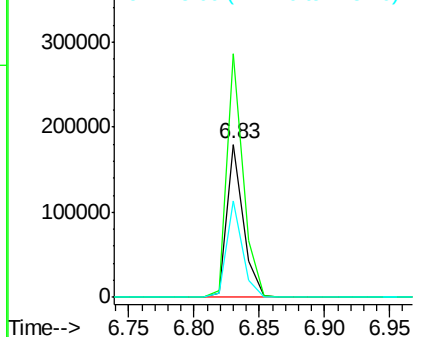
Tot Ion:	152	Resp:	158221
Ion Ratio	Lower	Upper	
152	100		
150	158.8	124.9	187.3
115	63.1	46.0	69.0

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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: 94.27 ng

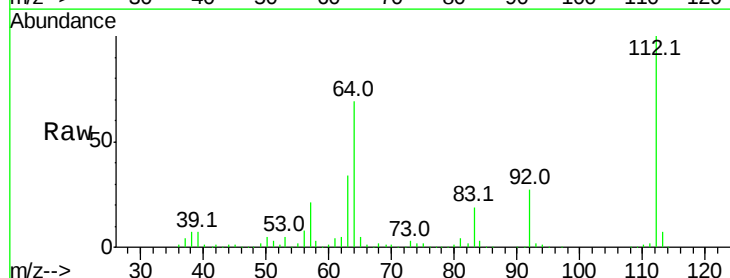
RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

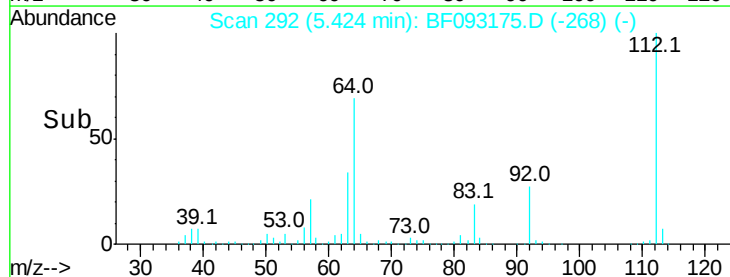
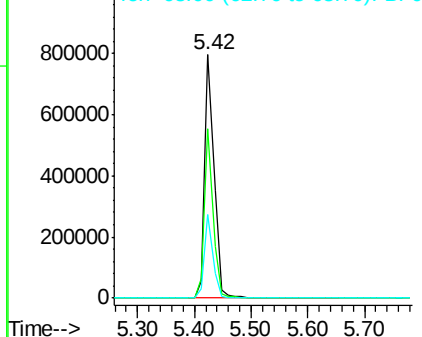
Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Tgt Ion:	112	Resp:	869349
Ion Ratio	Lower	Upper	
112	100		
64	69.3	46.1	69.1#
63	34.1	23.8	35.6



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: 103.23 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-1

Tot Ion: 99 Resp: 1224990

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

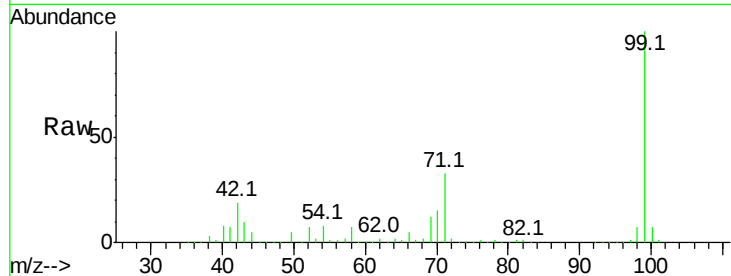
71 32.6 27.5 41.3

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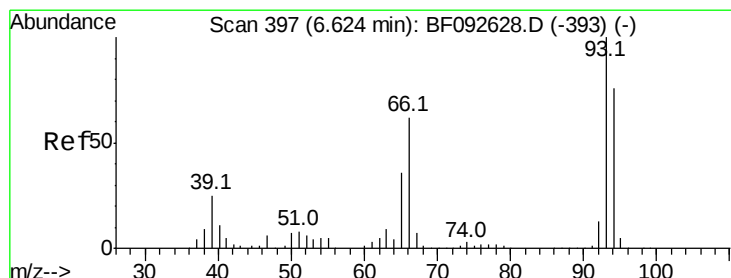
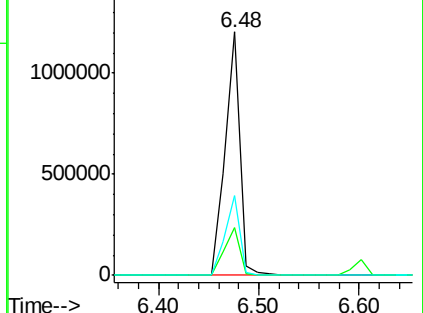
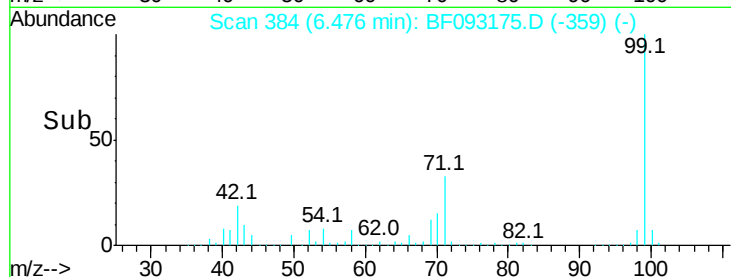
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.92 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

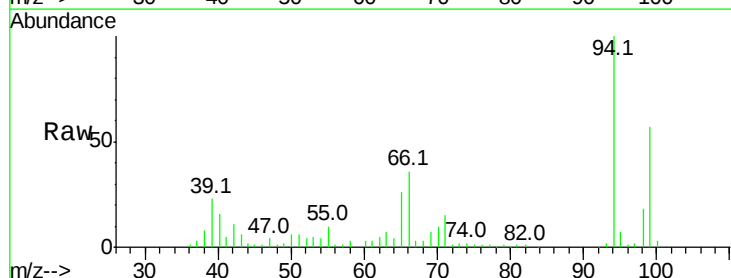
Tgt Ion: 94 Resp: 68327

Ion Ratio Lower Upper

94 100

65 26.4 21.4 61.4

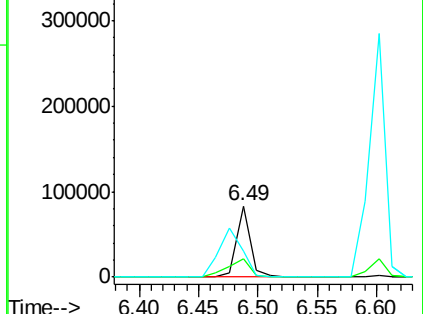
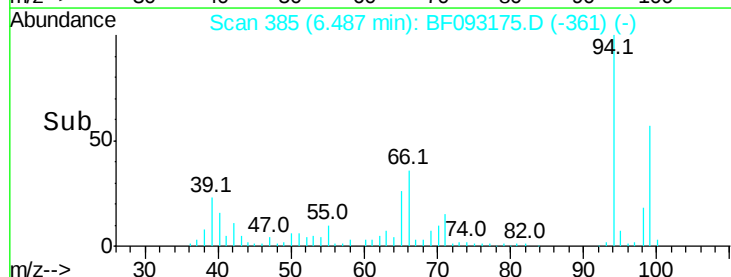
66 36.0 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





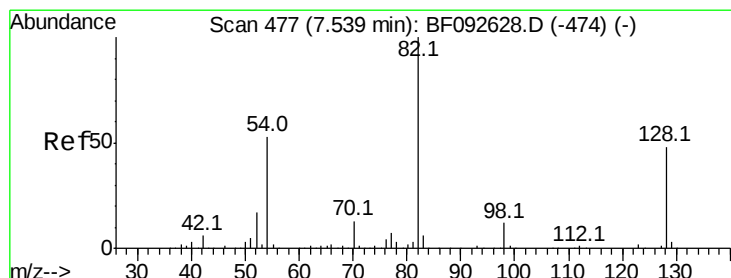
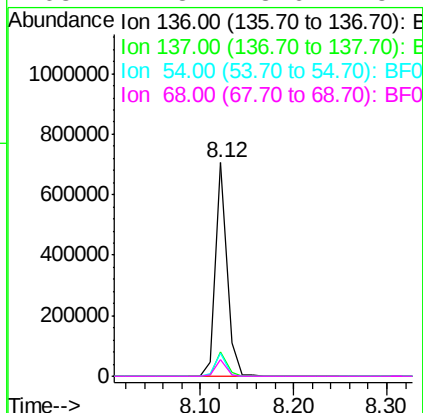
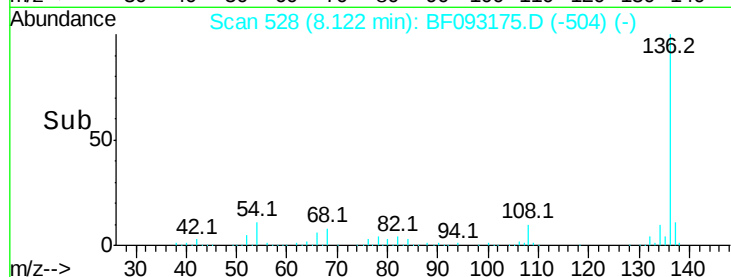
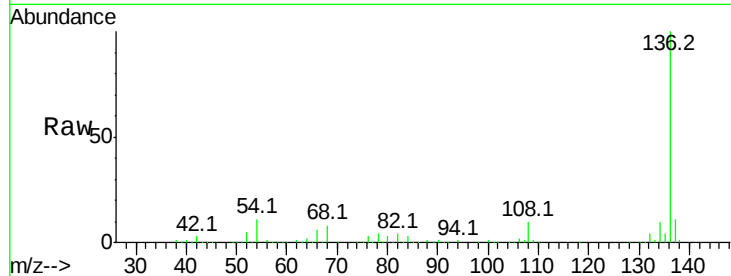
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	603709		
137	11.5		8.4	12.6
54	10.7		4.5	6.7#
68	7.8		3.6	5.4#

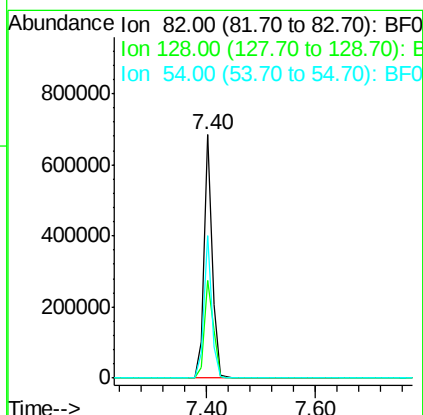
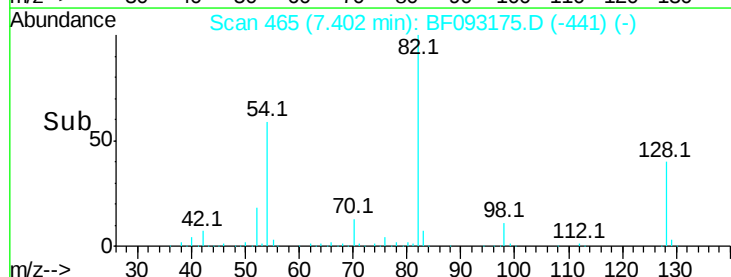
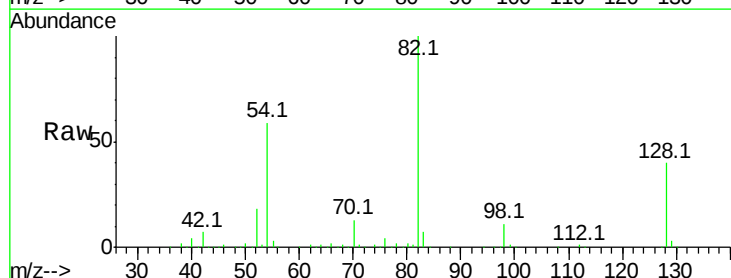
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#23
Nitrobenzene-d5
Concen: 64.59 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	700220		
128	40.1		34.6	52.0
54	58.8		39.5	59.3





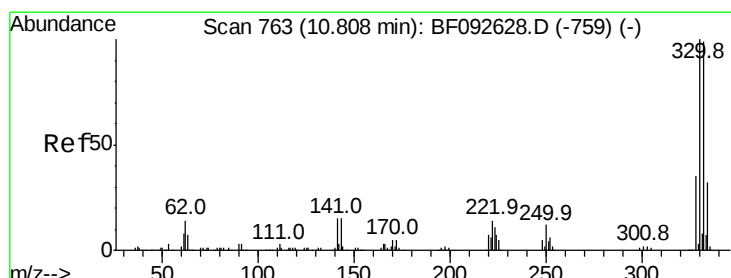
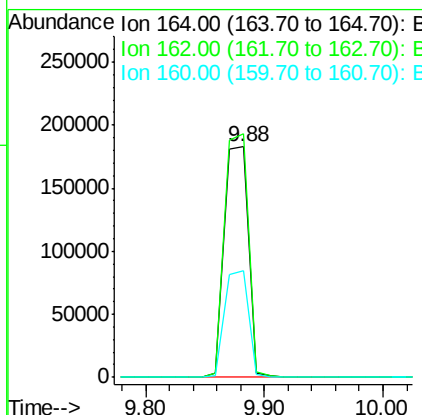
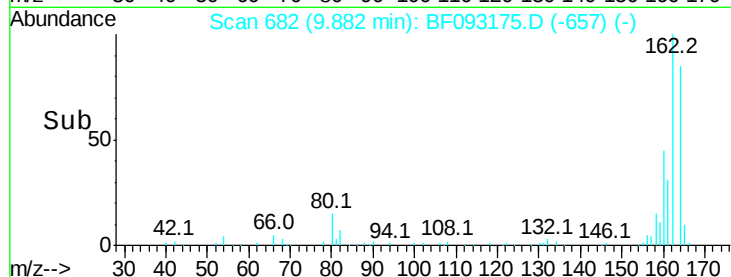
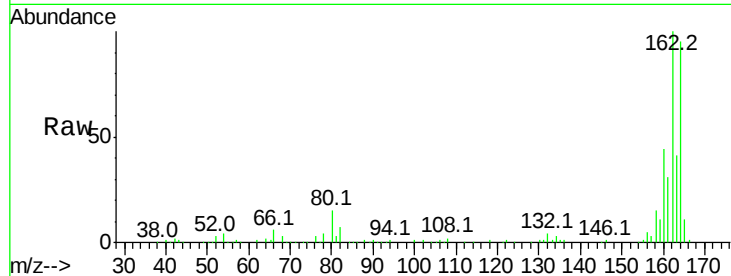
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	80.2	120.2
160	46.6	36.9	55.3

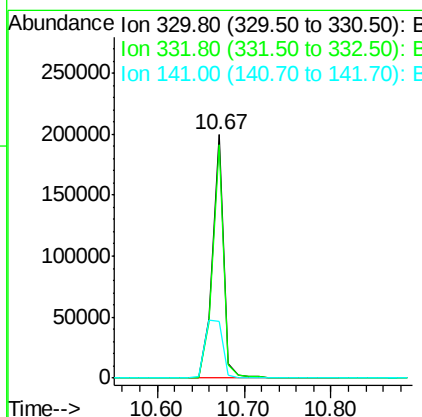
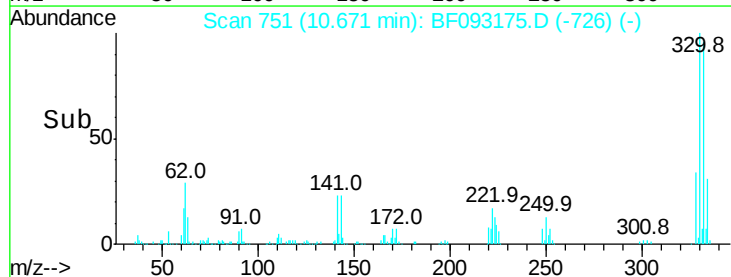
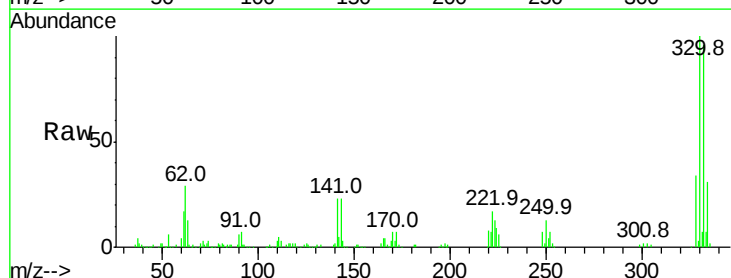
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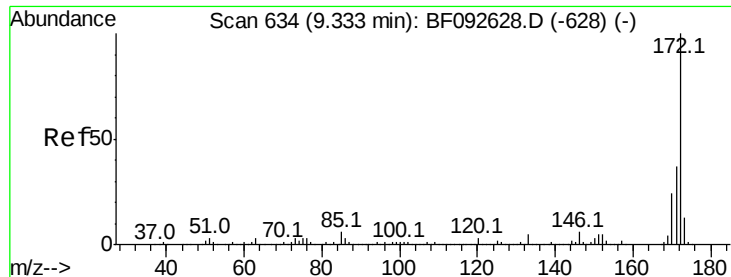
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#41
2,4,6-Tribromophenol
Concen: 99.44 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.2
141	36.9	34.1	51.1





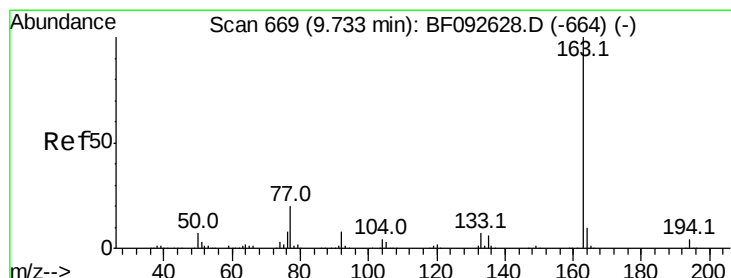
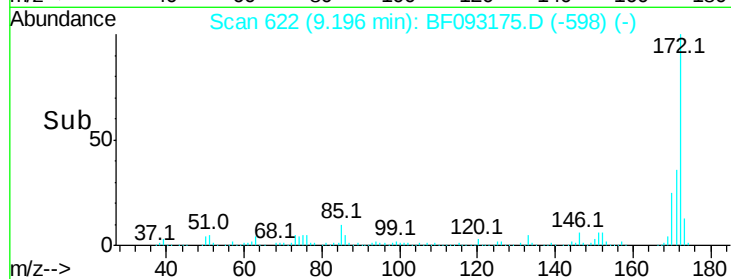
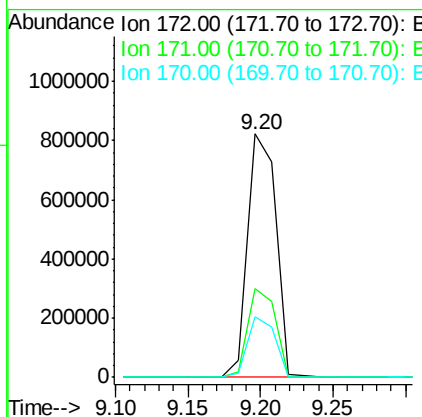
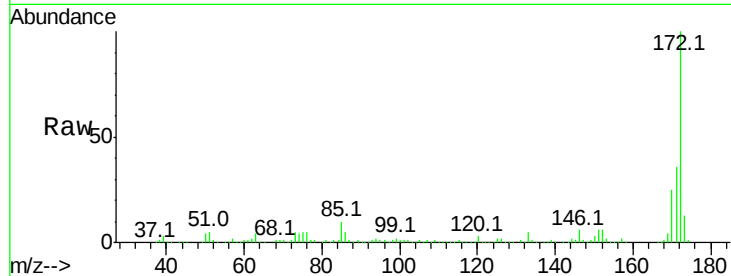
#44
2-Fluorobiphenyl
Concen: 79.02 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.7	20.2	30.4

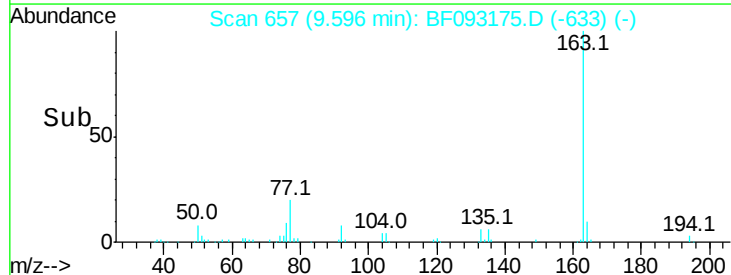
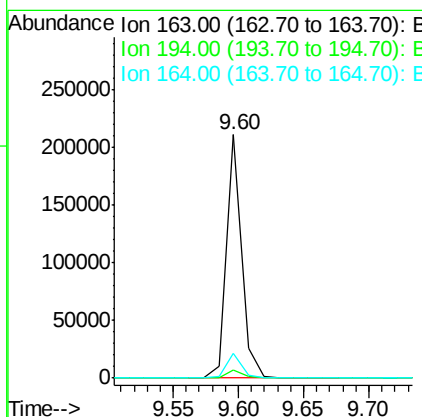
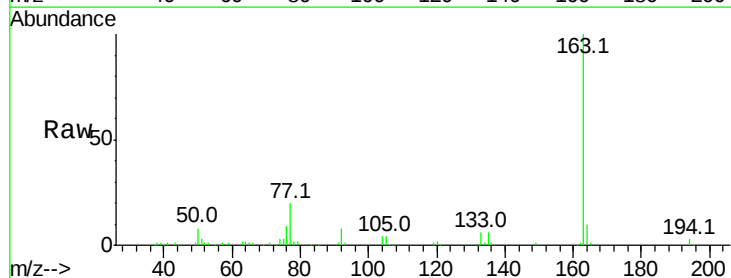
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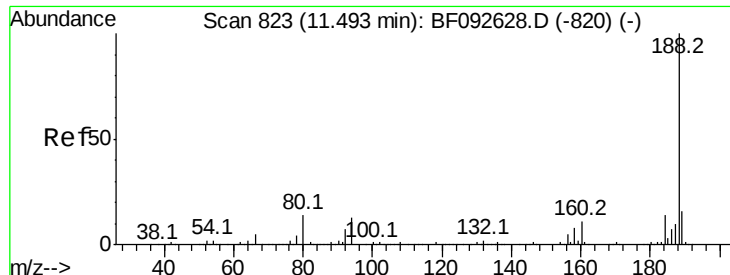
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#49
Dimethylphthalate
Concen: 10.04 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	10.1	8.0	12.0





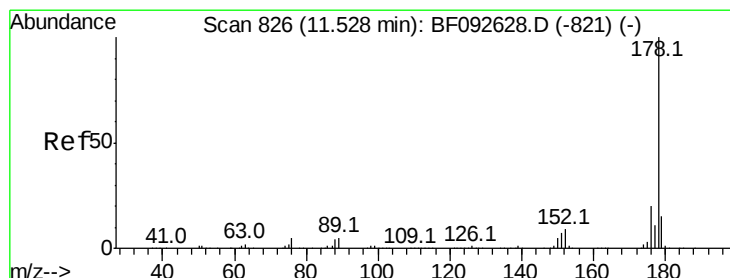
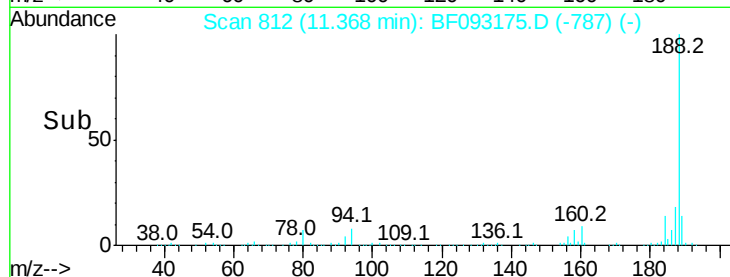
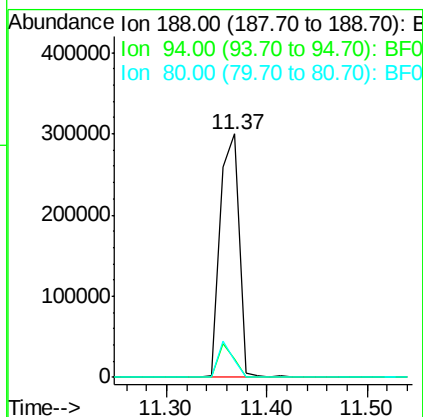
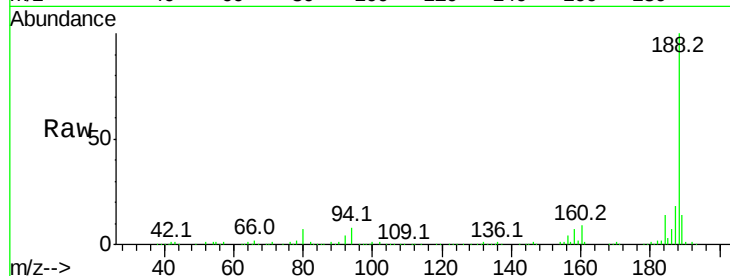
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.8	10.0	15.0#
80	7.1	11.2	16.8#

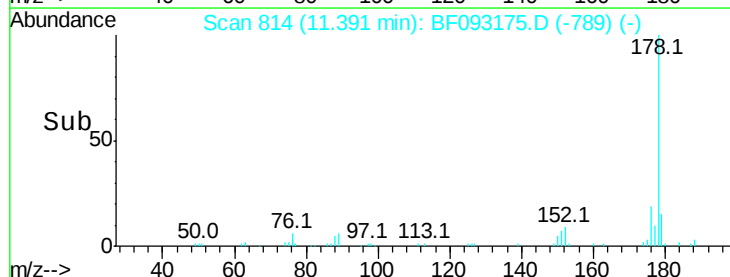
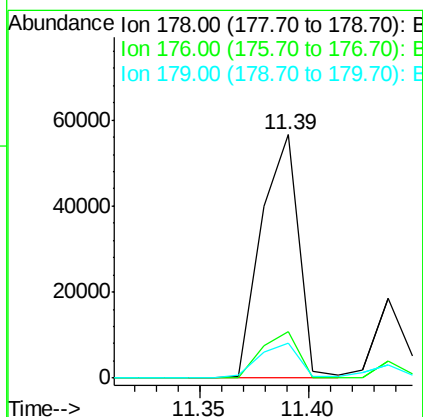
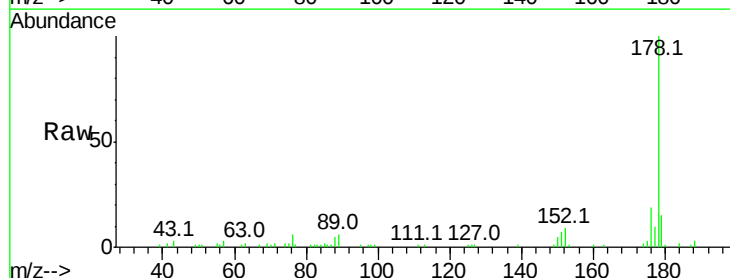
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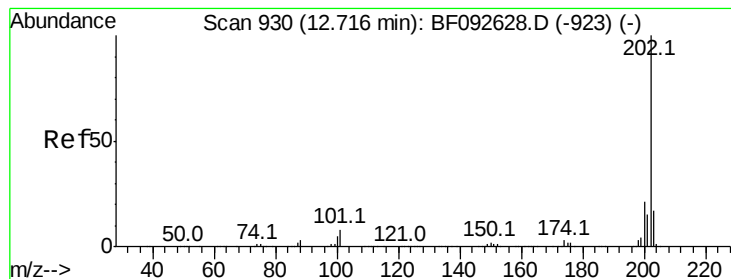
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#70
Phenanthrene
Concen: 3.02 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	16.6	25.0
179	14.6	12.8	19.2





#74

Fluoranthene

Concen: 4.93 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

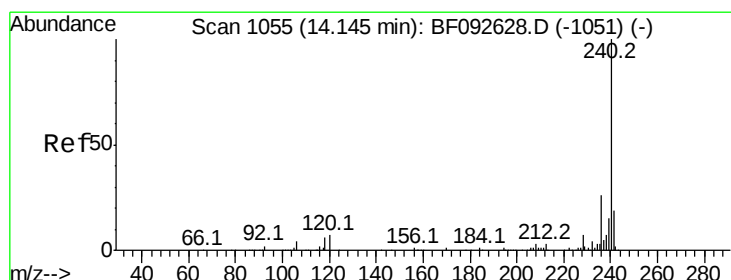
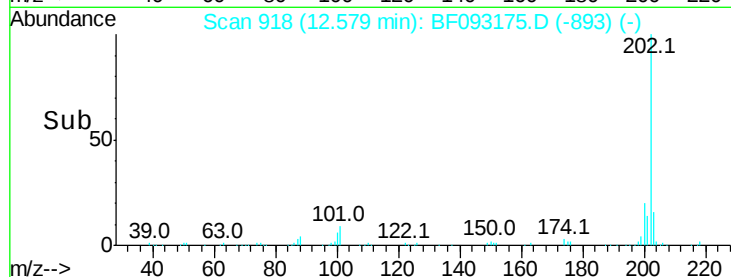
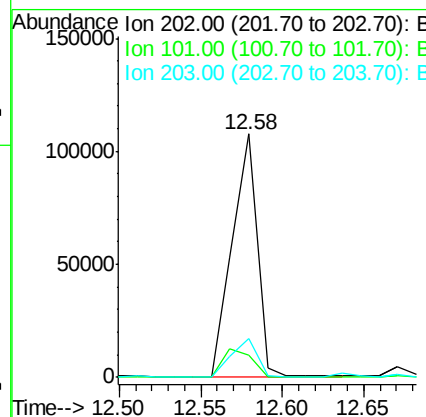
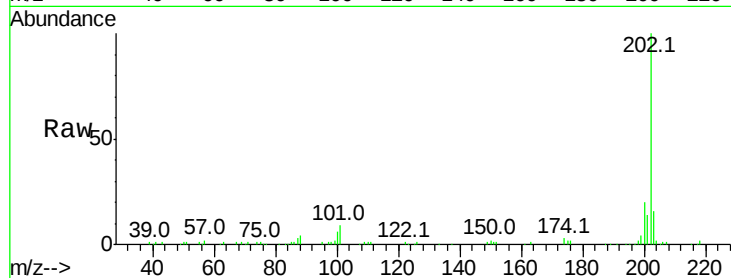
ClientSampleId :

E2-B1-B2-BASE-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	0.0	34.6
203	16.2	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

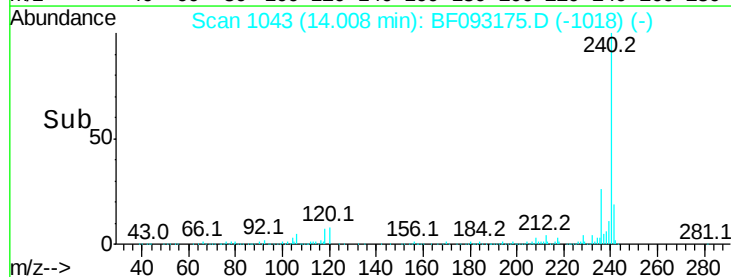
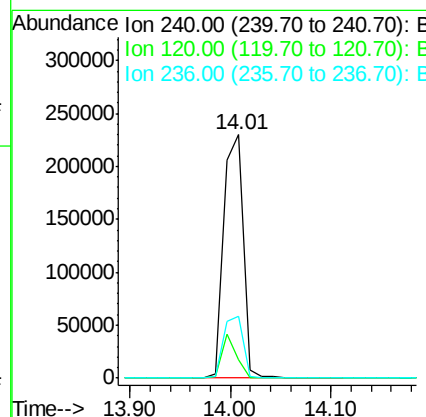
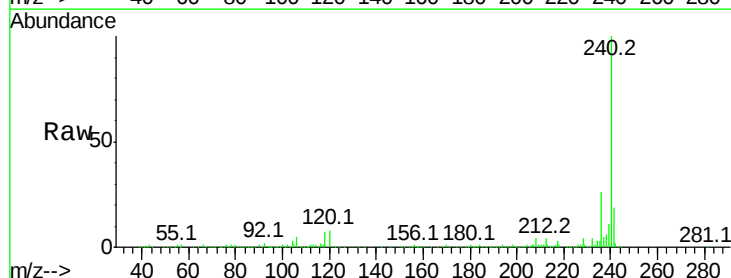
RT: 14.01 min Scan# 1043

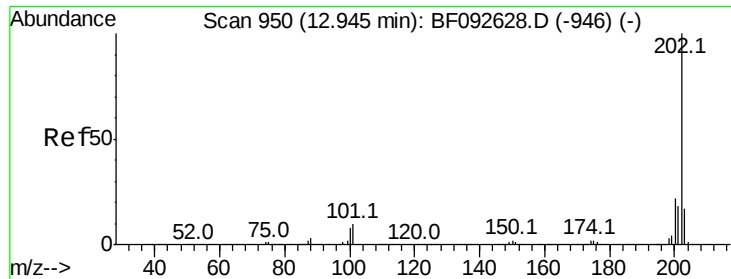
Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.7	12.9	19.3#
236	25.6	20.9	31.3





#77

Pvrene

Concen: 4.28 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093175.D

Acq: 25 Feb 2017 7:00

Instrument :

BNA_F

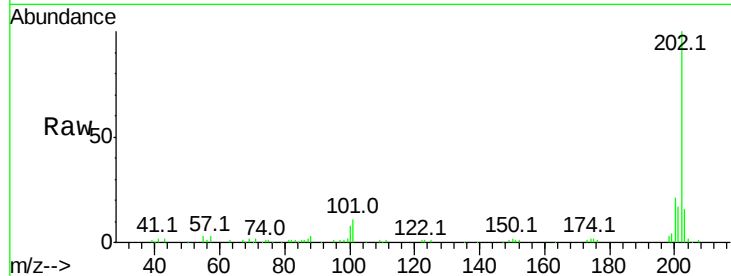
ClientSampleId :

E2-B1-B2-BASE-1

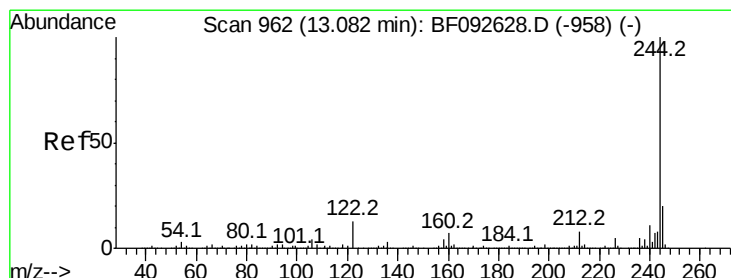
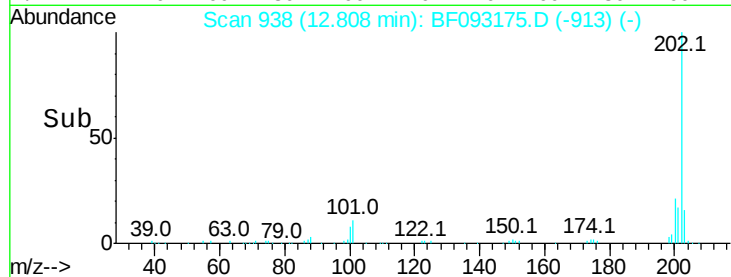
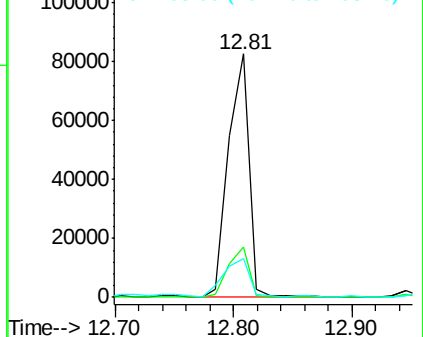
Tot Ion:	202	Resp:	99741
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.7	26.5
203	15.7	14.7	22.1

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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: 45.72 ng

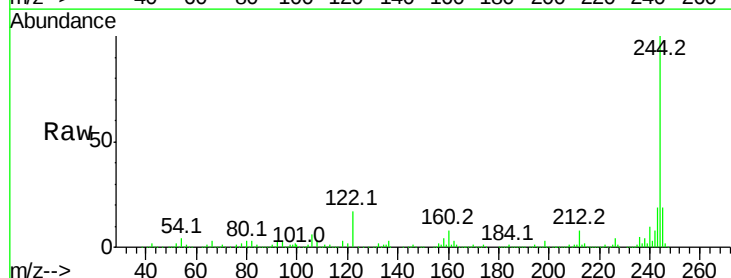
RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

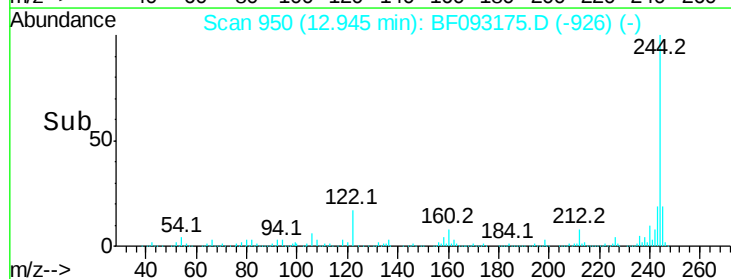
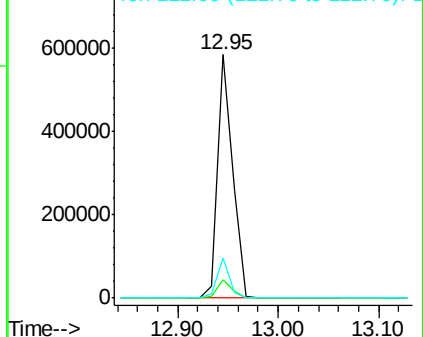
Lab File: BF093175.D

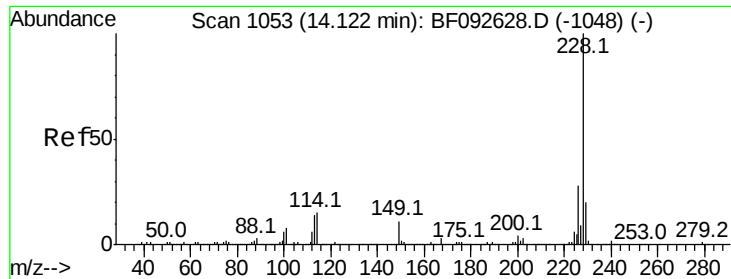
Acq: 25 Feb 2017 7:00

Tgt Ion:	244	Resp:	605297
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	16.6	11.4	17.2



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





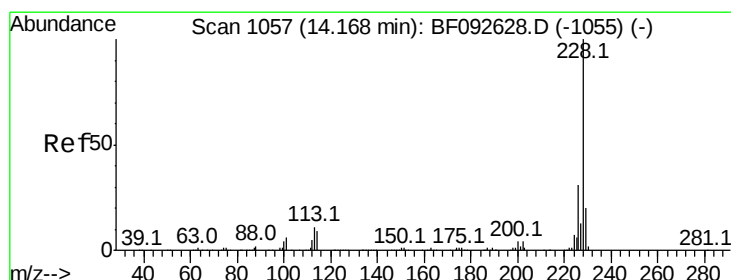
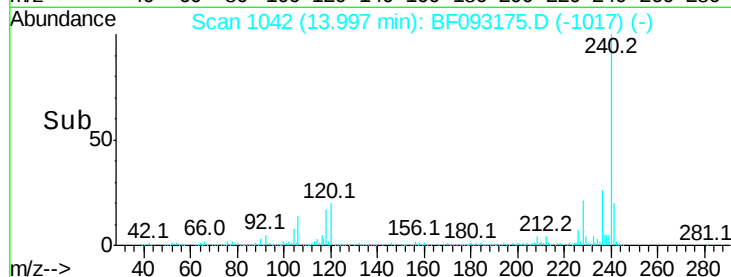
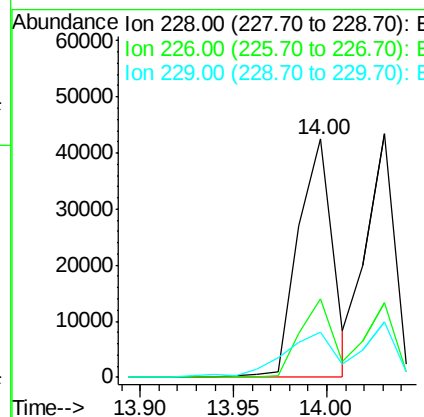
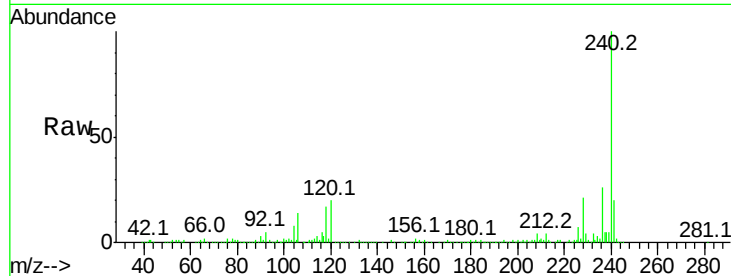
#80
Benzo(a)anthracene
Concen: 2.87 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion:228	Resp:	54637
Ion Ratio	Lower	Upper
228 100		
226 32.8	22.4	33.6
229 19.1	16.2	24.4

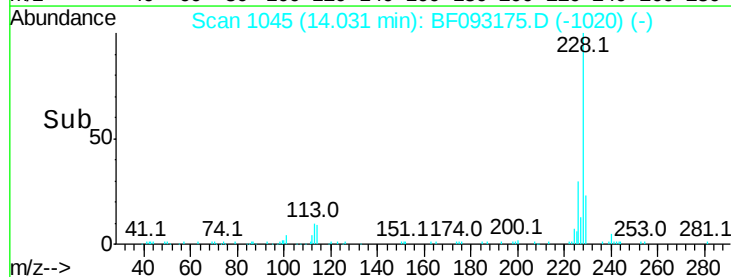
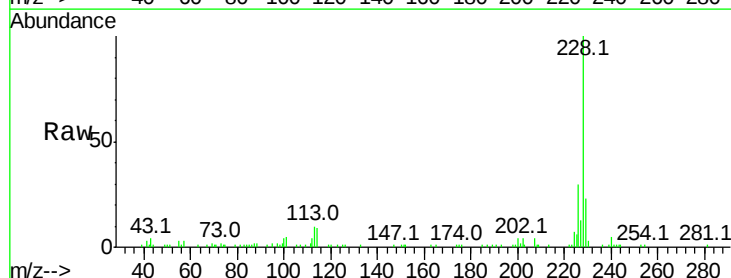
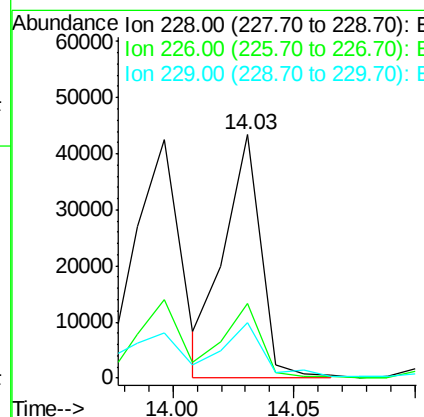
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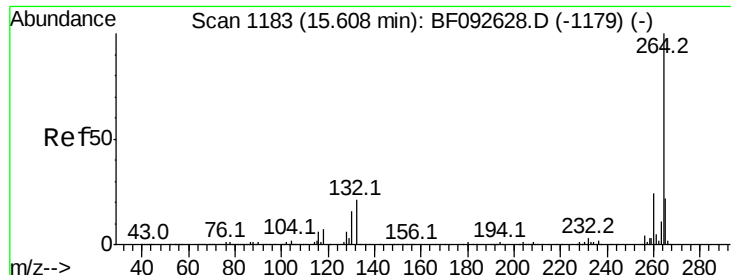
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#82
Chrysene
Concen: 2.58 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion:228	Resp:	45882
Ion Ratio	Lower	Upper
228 100		
226 30.5	25.4	38.0
229 22.7	16.2	24.2





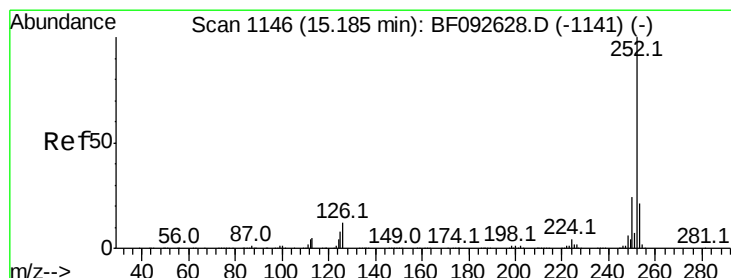
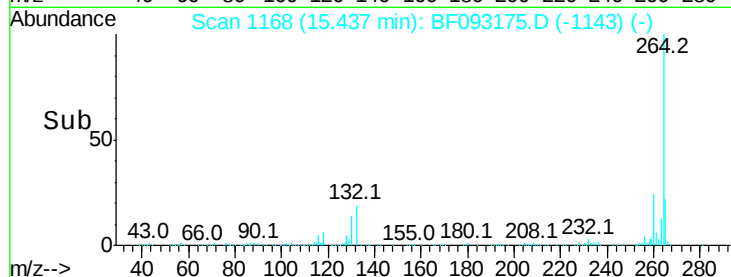
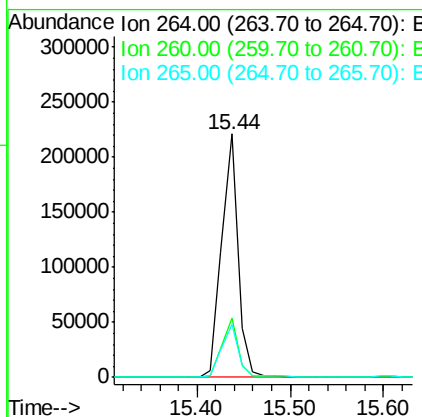
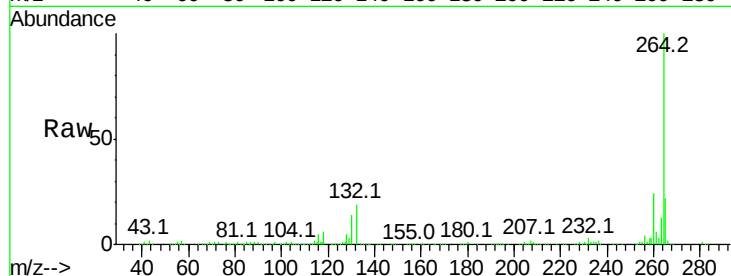
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.4	26.0

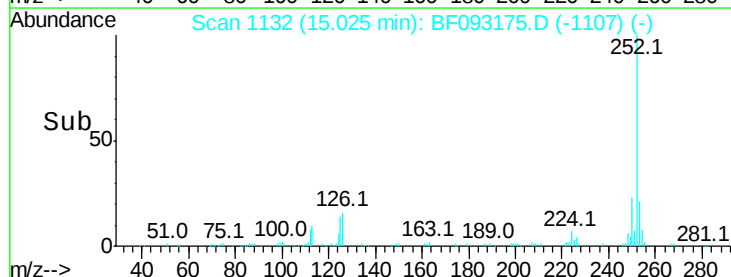
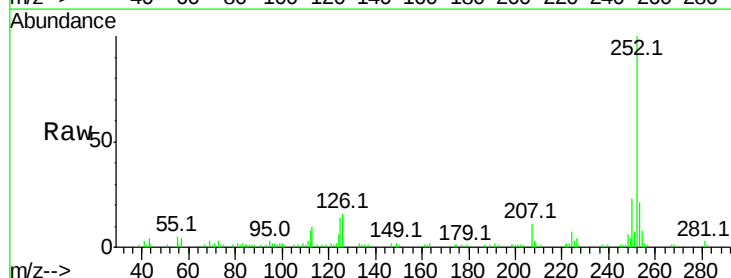
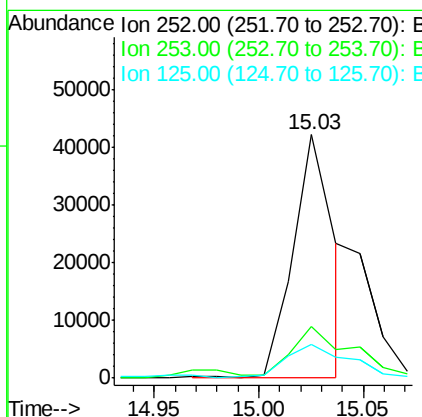
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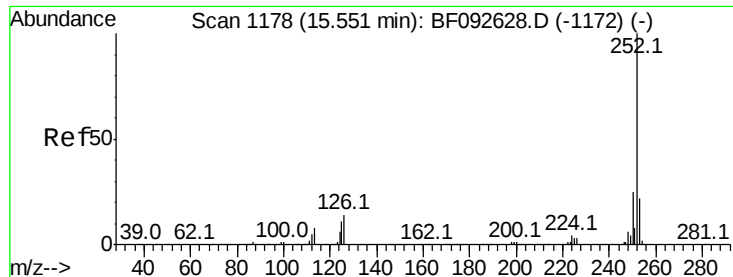
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#87
Benzo(b)fluoranthene
Concen: 3.18 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093175.D
Acq: 25 Feb 2017 7:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.4
125	13.6	9.8	14.6





#89
 Benzo(a)pyrene
 Concen: 2.62 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. -0.02 min
 Lab File: BF093175.D
 Acq: 25 Feb 2017 7:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-1

Tot Ion:	252	Resp:	40576
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.2	27.2
125	19.0	10.0	15.0#

Manual Integrations
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