

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094152.D
 Acq On : 4 Apr 2017 7:05
 Operator : SJ/MA
 Sample : I2510-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Manual Integrations
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mohammad
 4/4/2017 5:35:08 PM

Quant Time: Apr 04 07:36:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	167940	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	637724	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	248270	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	370412	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	317324	20.00	ng	-0.01
86) Perylene-d12	16.24	264	224191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	995644	100.13	ng	0.00
7) Phenol-d6	5.50	99	1259035	102.36	ng	-0.01
23) Nitrobenzene-d5	6.54	82	707411	63.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	183915	93.74	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1378839	84.71	ng	-0.02
78) Terphenyl-d14	13.34	244	938410	66.29	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.42	128	73628	2.40	ng	100
48) Acenaphthylene	9.36	152	114062	4.38	ng	97
49) Dimethylphthalate	9.21	163	119719	6.78	ng	99
70) Phenanthrene	11.39	178	171152	8.31	ng	97
71) Anthracene	11.45	178	77659	3.66	ng	100
74) Fluoranthene	12.85	202	371418	17.60	ng	98
77) Pyrene	13.13	202	427597	18.57	ng	98
80) Benzo(a)anthracene	14.60	228	227089m	12.27	ng	
82) Chrysene	14.64	228	228764	13.32	ng	96
85) Indeno(1,2,3-cd)pyrene	17.59	276	125305	8.43	ng	95
87) Benzo(b)fluoranthene	15.84	252	295909m	21.53	ng	
88) Benzo(k)fluoranthene	15.86	252	94898m	7.06	ng	
89) Benzo(a)pyrene	16.19	252	190564	15.06	ng	98
90) Dibenzo(a,h)anthracene	17.60	278	29157	2.72	ng	# 86
91) Benzo(a,h,i)perylene	17.99	276	146228	13.54	ng	98

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

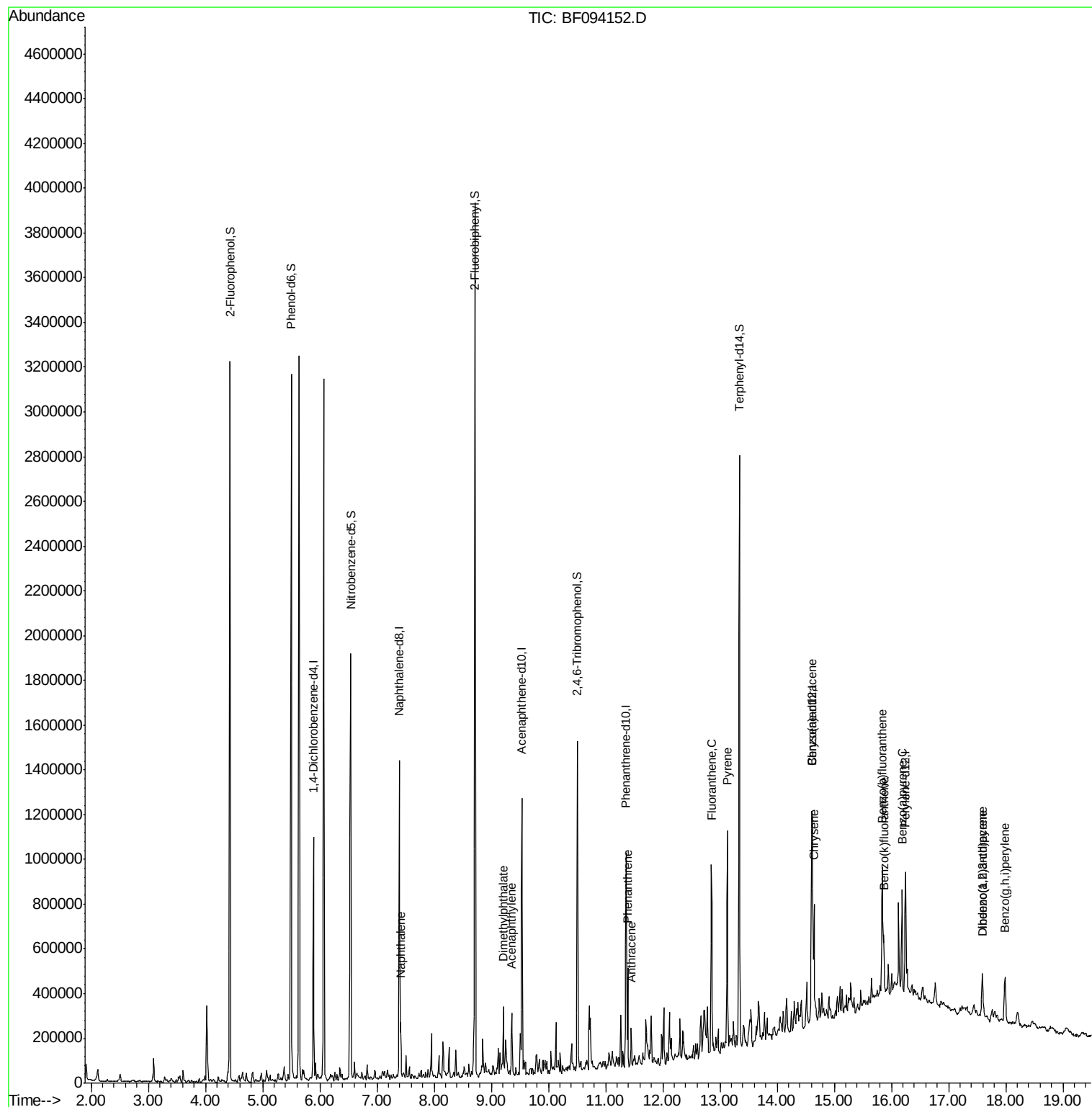
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094152.D
Acq On : 4 Apr 2017 7:05
Operator : SJ/MA
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Misc :
ALS Vial : 34 Sample Multiplier: 1

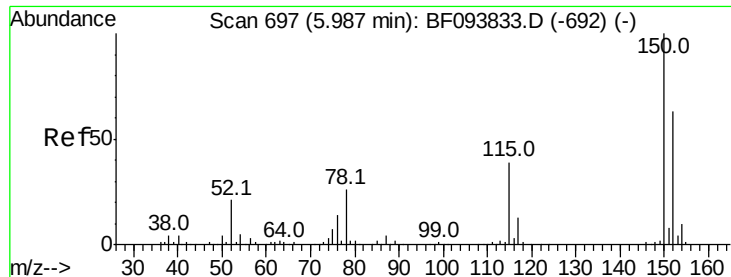
Instrument :
BNA_F
ClientSampled :
E2-O11-BASE

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

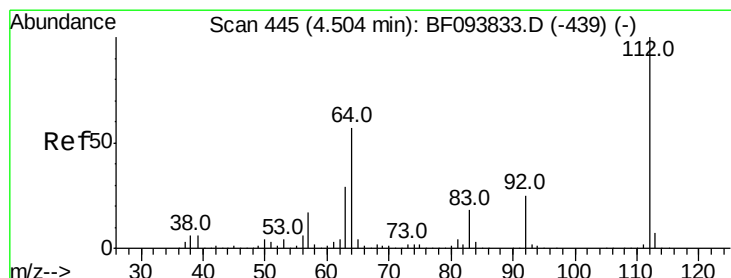
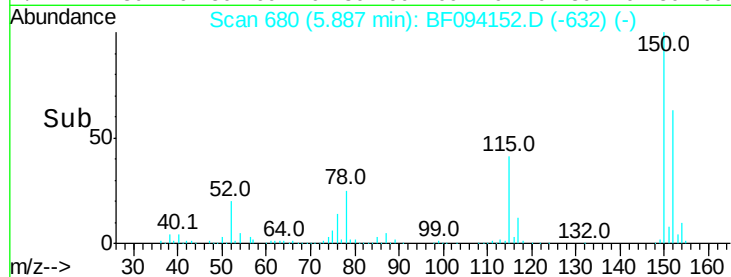
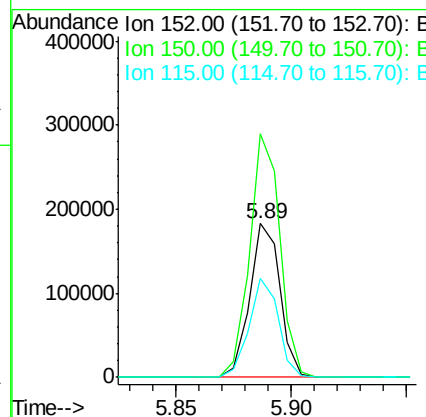
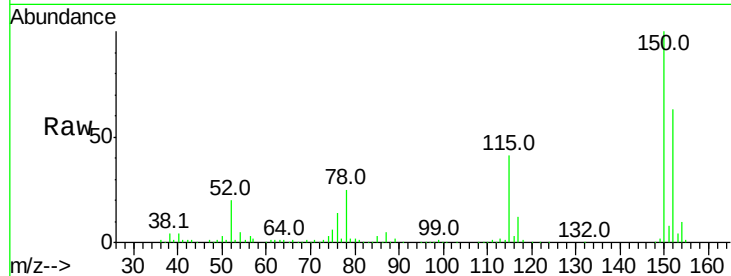
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	64.7	52.2	78.2

Manual Integrations
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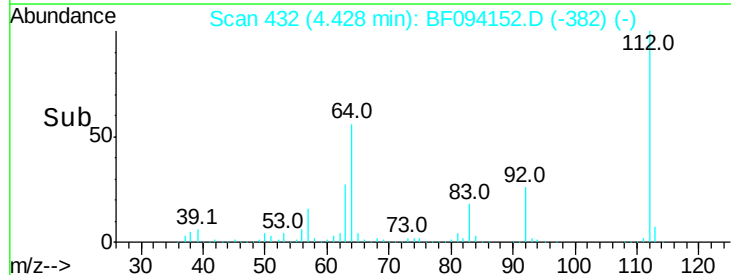
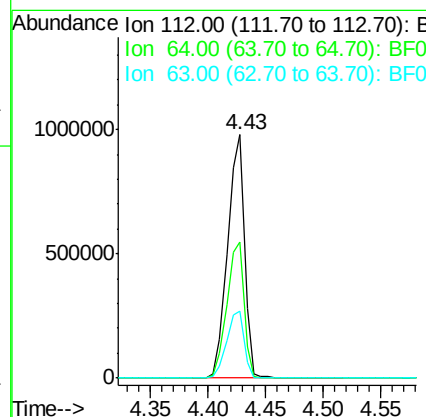
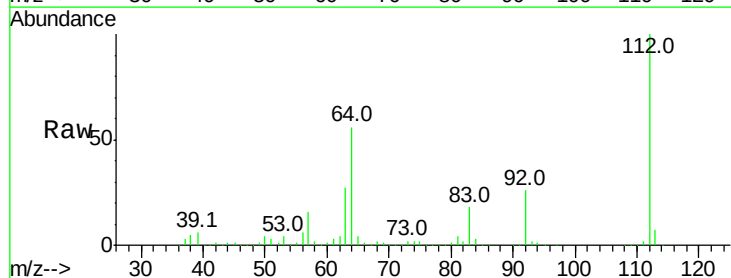
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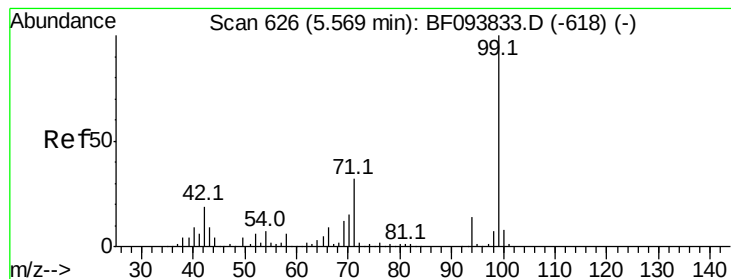


#5

2-Fluorophenol
Concen: 100.13 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 102.36 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

ClientSampled :

E2-O11-BASE

Tot Ion: 99 Resp: 1259035

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

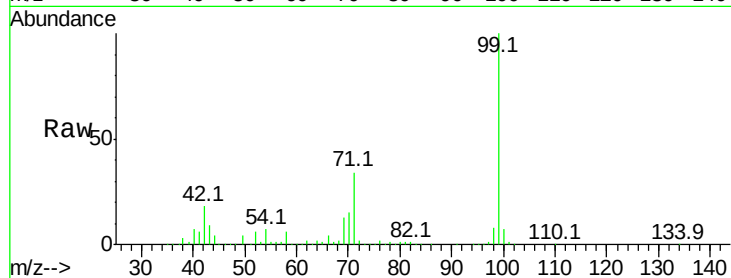
71 34.1 24.5 36.7

Manual Integrations

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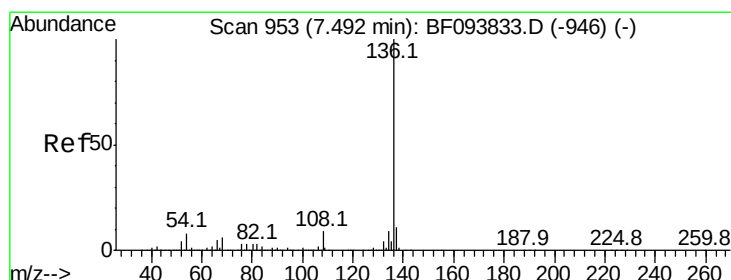
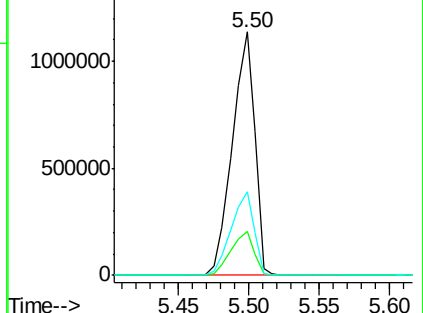
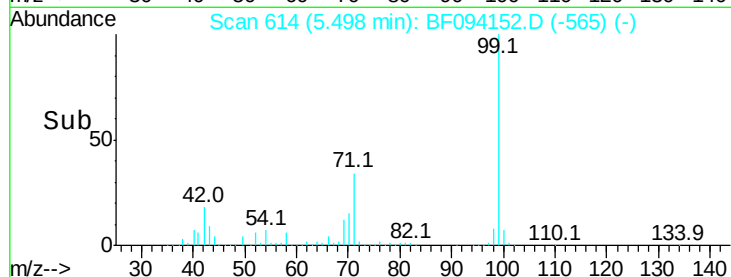
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Tgt Ion: 136 Resp: 637724

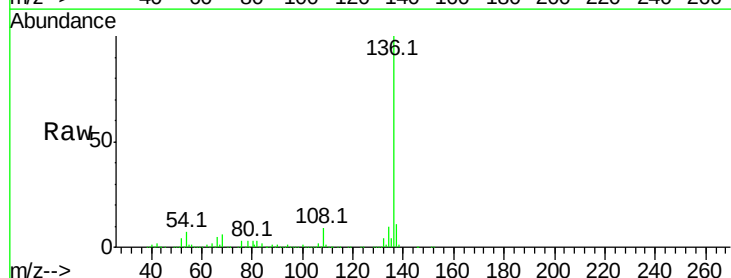
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

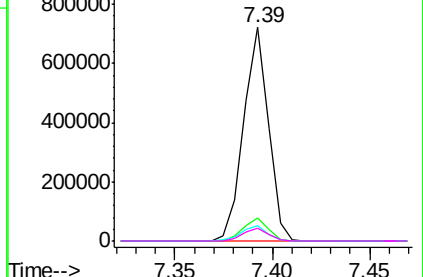
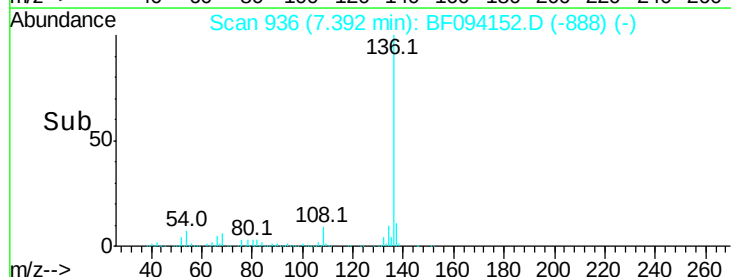


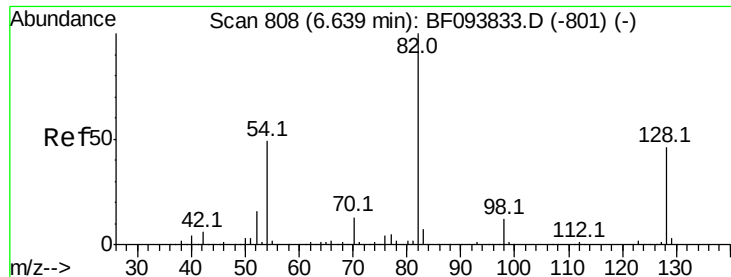
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





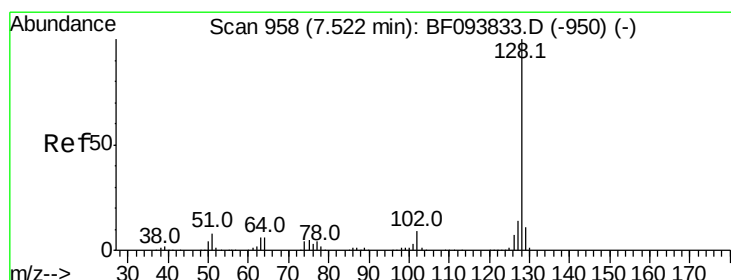
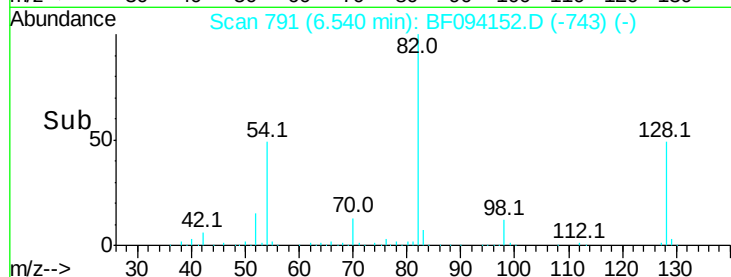
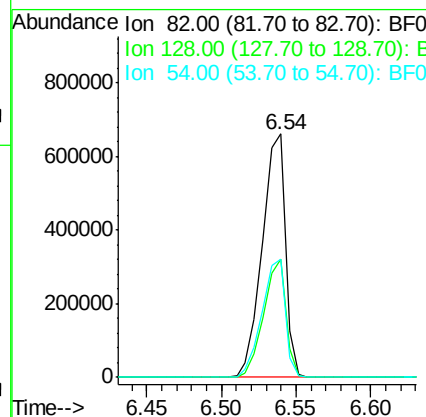
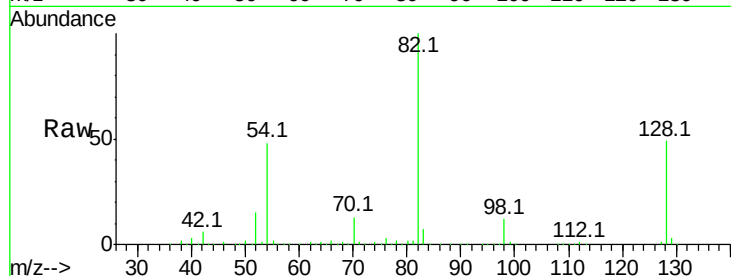
#23
 Nitrobenzene-d5
 Concen: 63.30 ng
 RT: 6.54 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.8	34.0	51.0	
54	48.4	42.2	63.2	

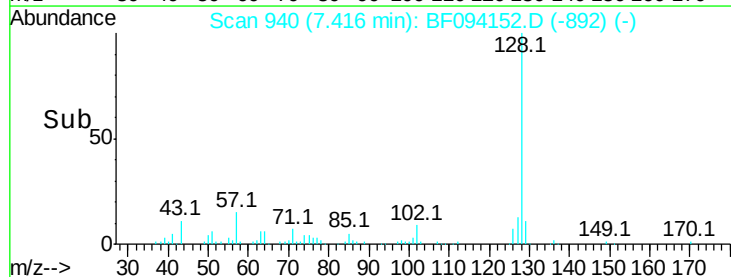
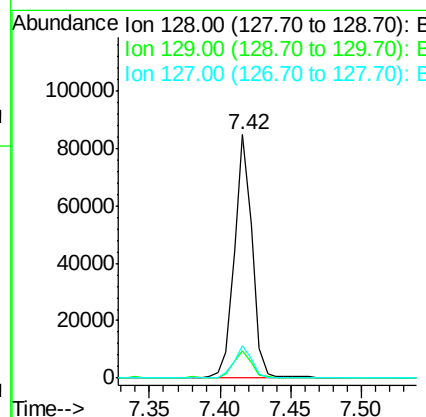
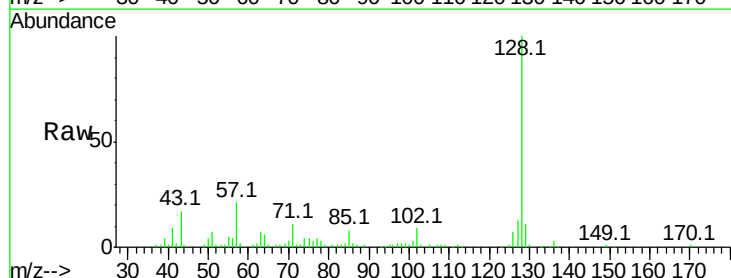
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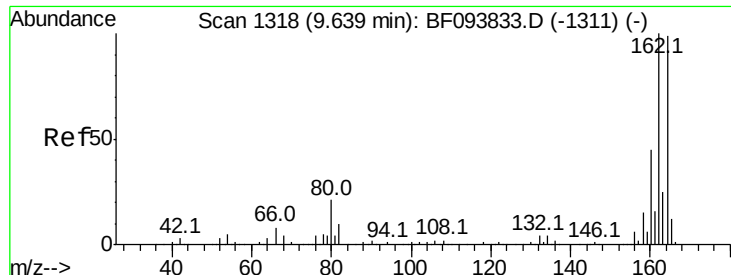
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#31
 Naphthalene
 Concen: 2.40 ng
 RT: 7.42 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.4	9.0	13.6	
127	13.5	10.8	16.2	





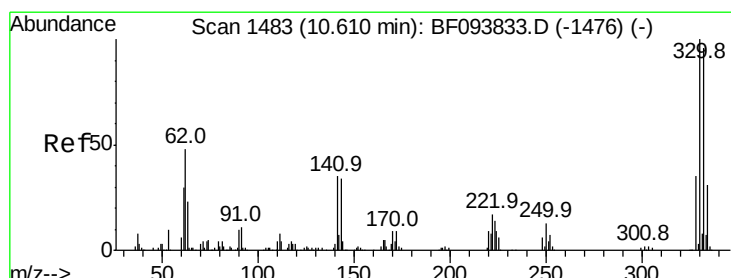
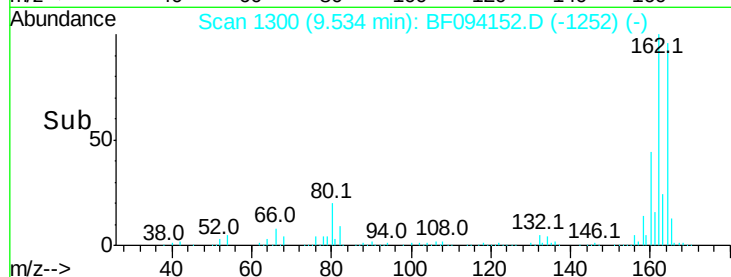
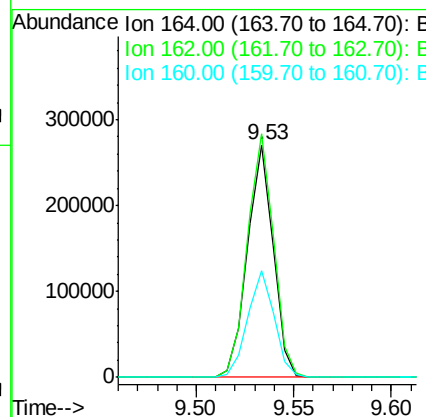
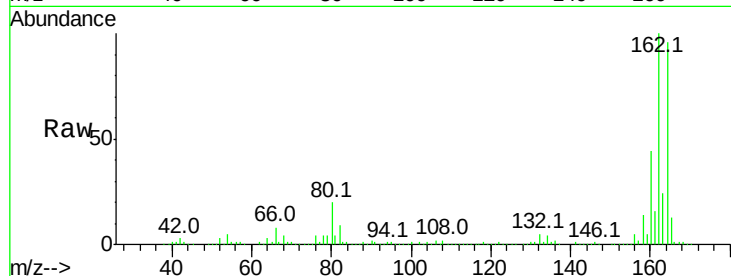
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	248270		
162	104.7	82.6	123.8	
160	46.0	36.2	54.2	

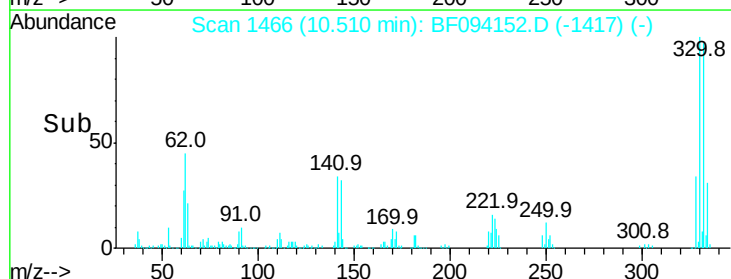
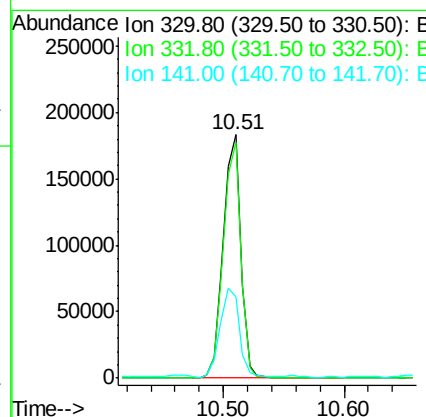
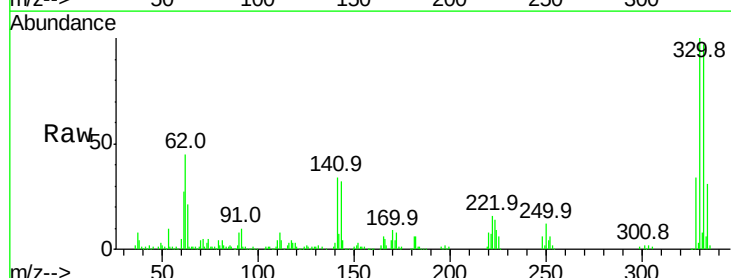
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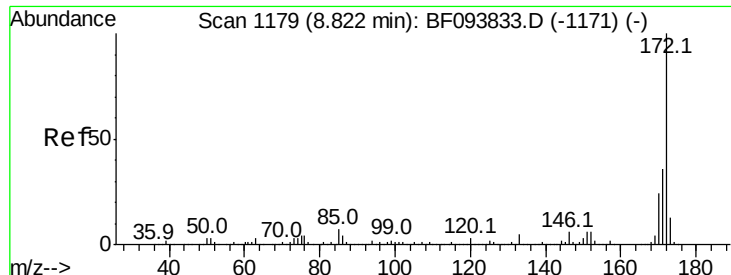
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#41
2,4,6-Tribromophenol
Concen: 93.74 ng
RT: 10.51 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	183915		
332	96.8	76.6	115.0	
141	39.6	31.4	47.2	





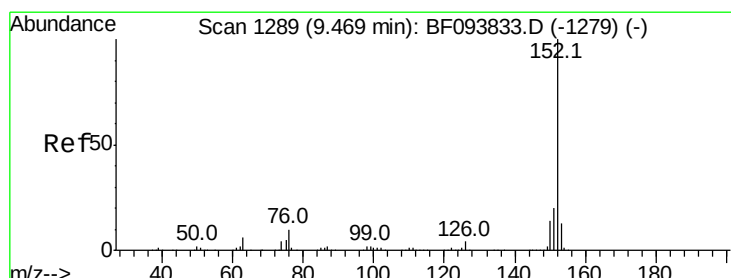
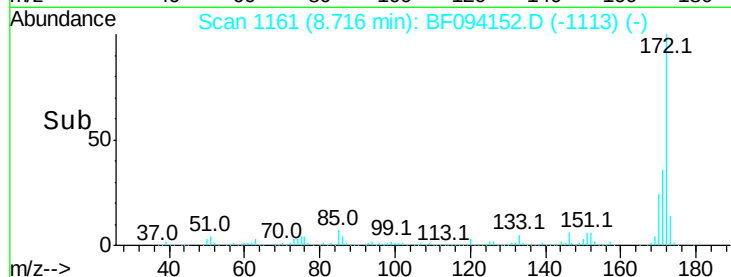
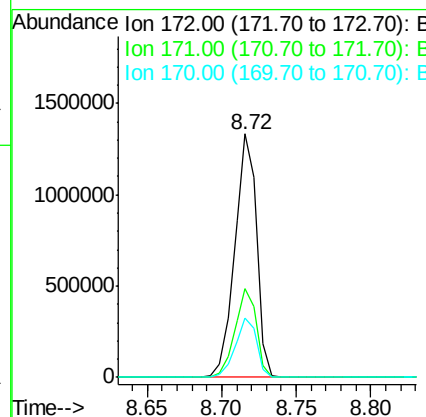
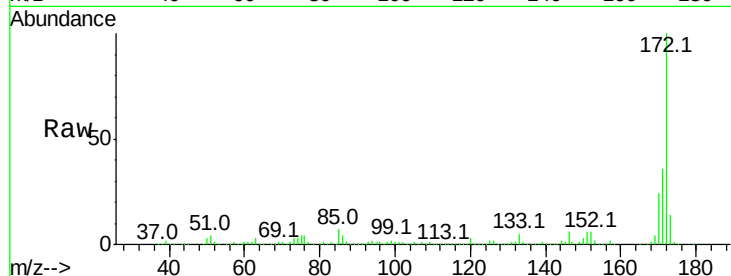
#44
2-Fluorobiphenyl
Concen: 84.71 ng
RT: 8.72 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8

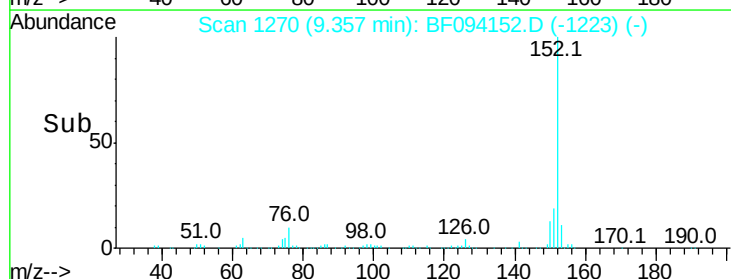
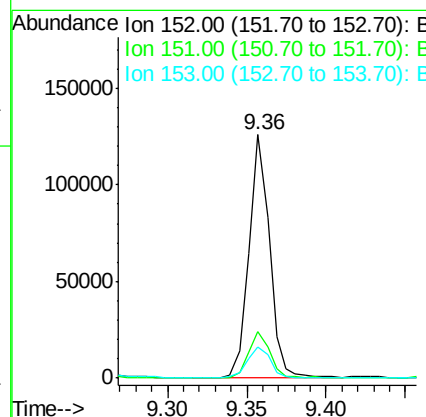
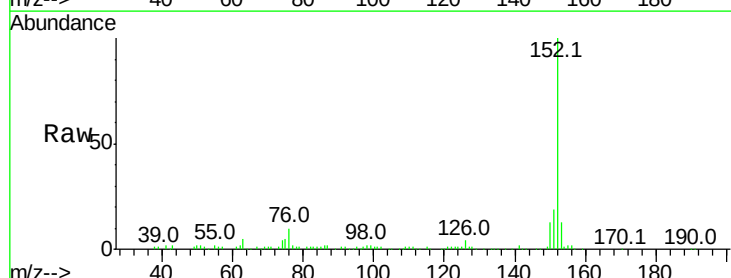
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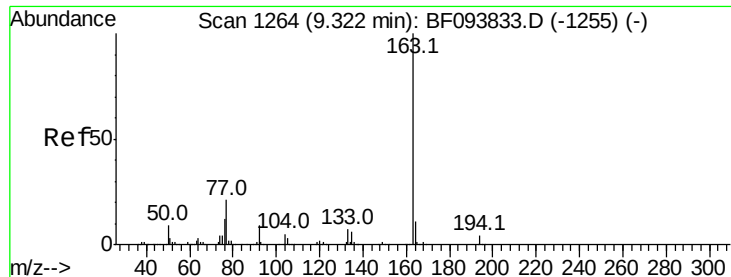
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#48
Acenaphthylene
Concen: 4.38 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.8	25.2
153	12.7	10.8	16.2





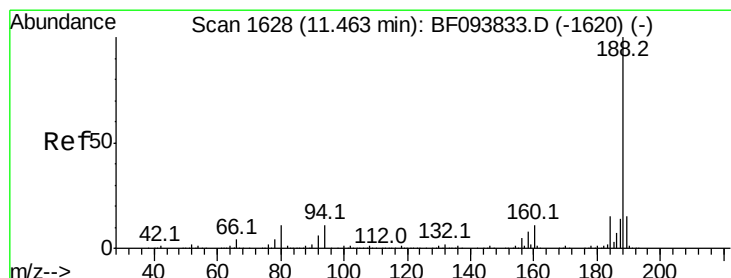
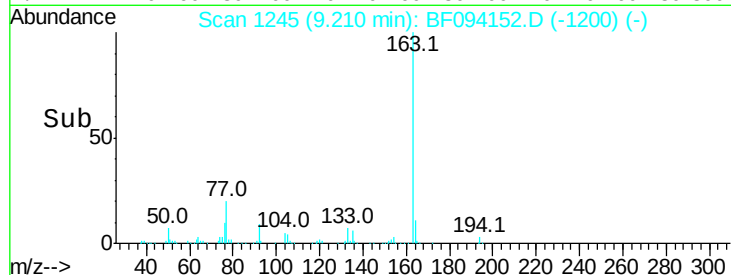
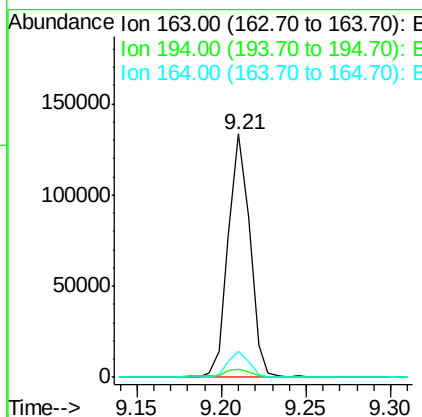
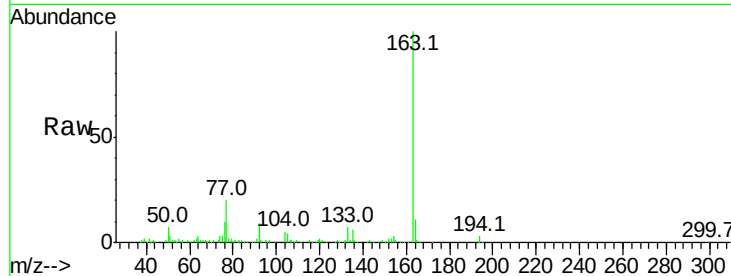
#49
Dimethylphthalate
Concen: 6.78 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	119719		
194	3.4	2.6	4.0	
164	10.7	8.4	12.6	

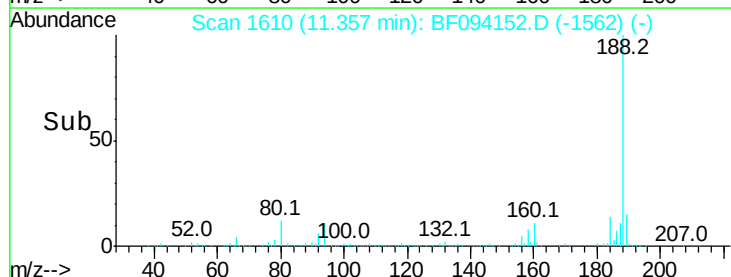
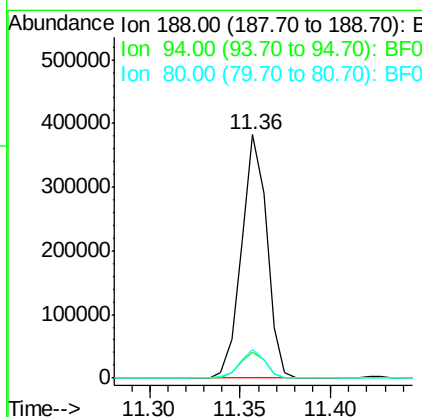
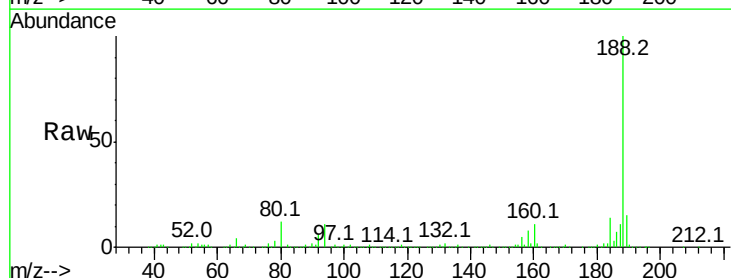
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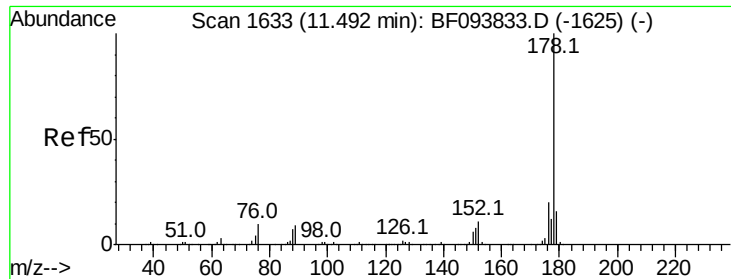
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	370412		
94	10.7	9.4	14.2	
80	11.7	10.2	15.2	





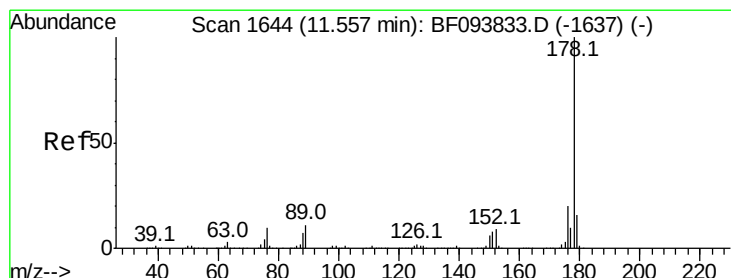
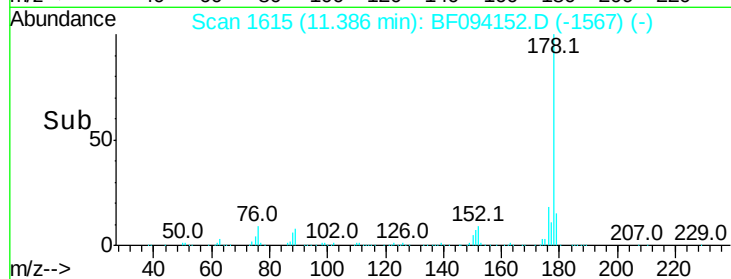
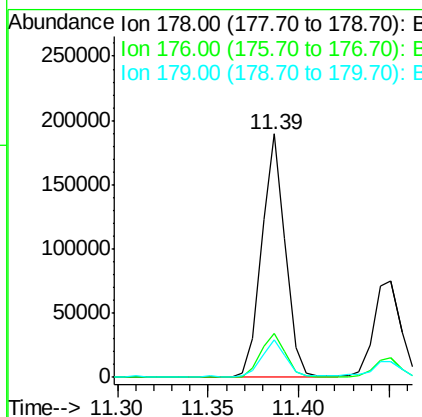
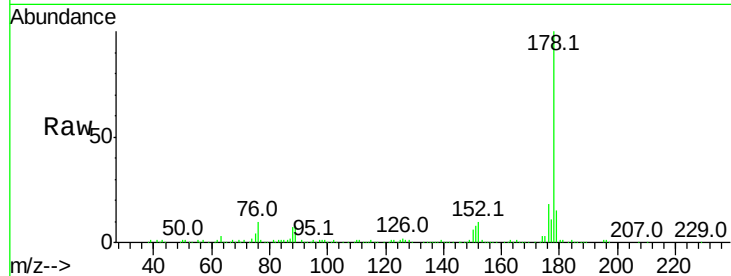
#70
Phenanthrene
Concen: 8.31 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	15.3	12.6	19.0

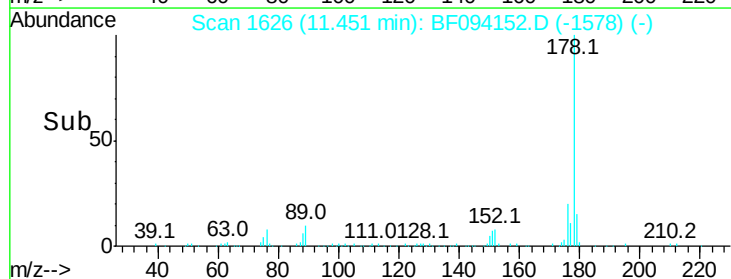
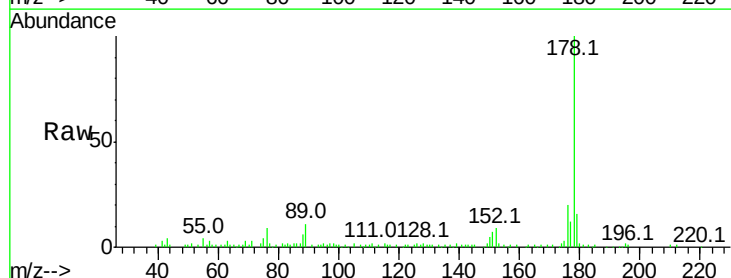
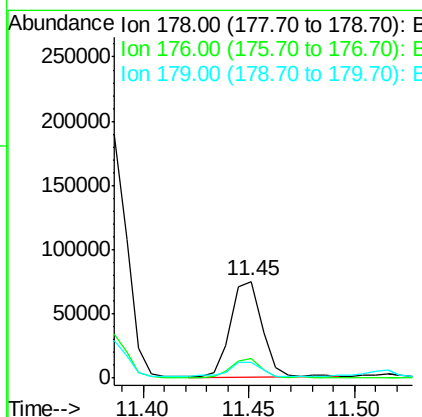
Manual Integrations
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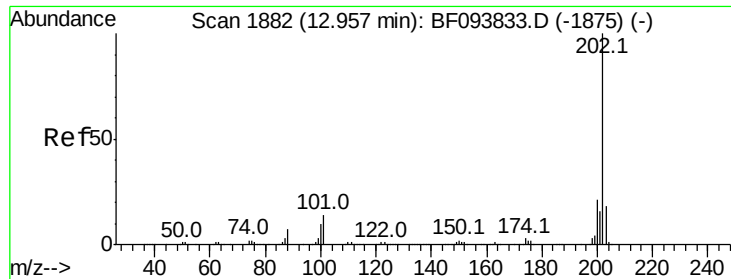
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#71
Anthracene
Concen: 3.66 ng
RT: 11.45 min Scan# 1626
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	12.7	19.1





#74

Fluoranthene

Concen: 17.60 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

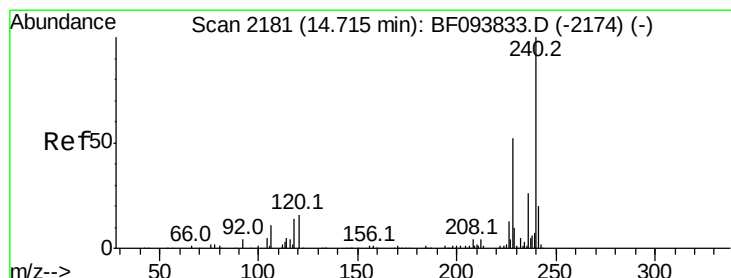
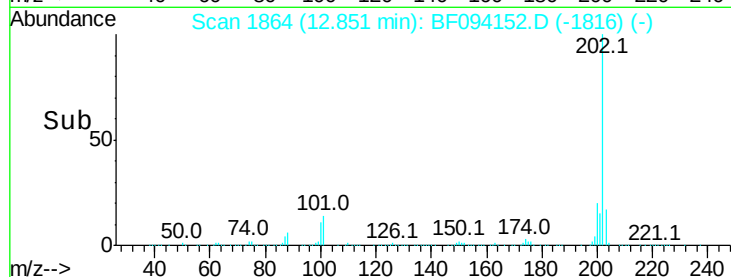
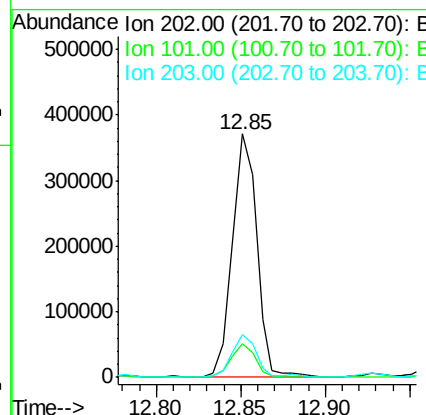
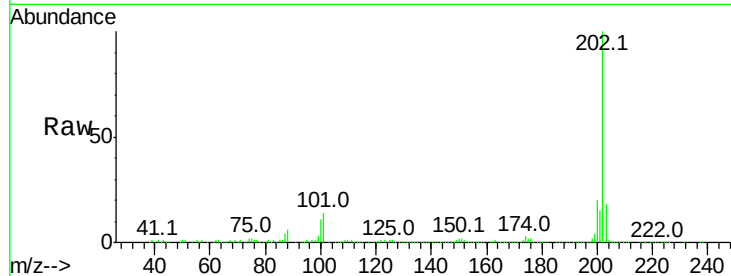
ClientSampleId :

E2-O11-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.0	0.0	33.2		
203	17.5	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

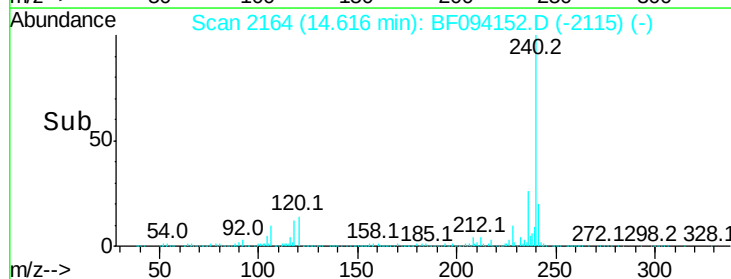
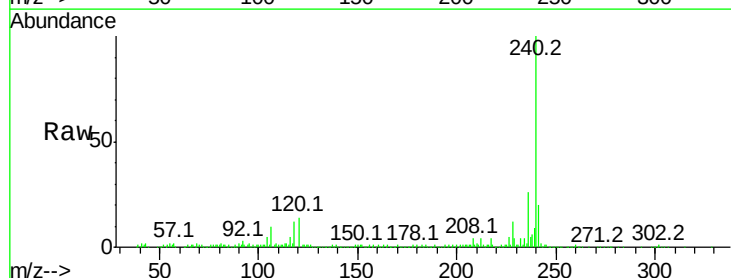
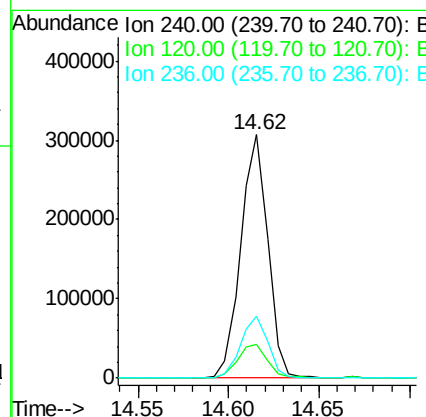
RT: 14.62 min Scan# 2164

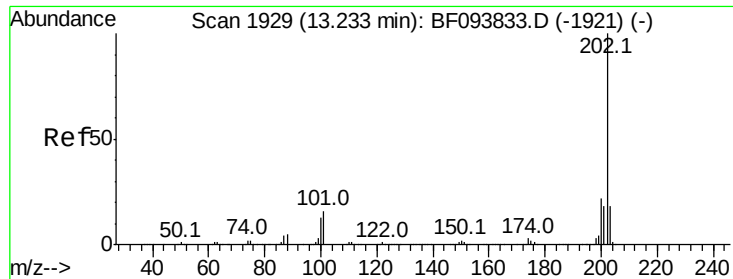
Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.9	5.8	8.8#		
236	25.6	20.5	30.7		





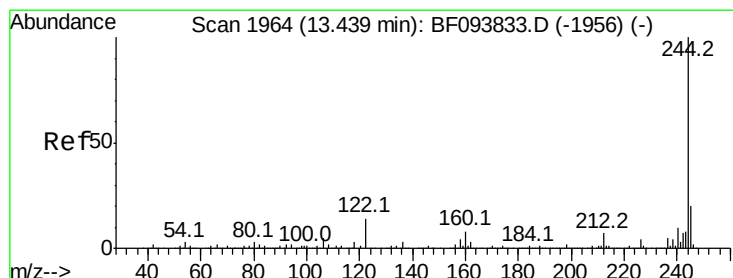
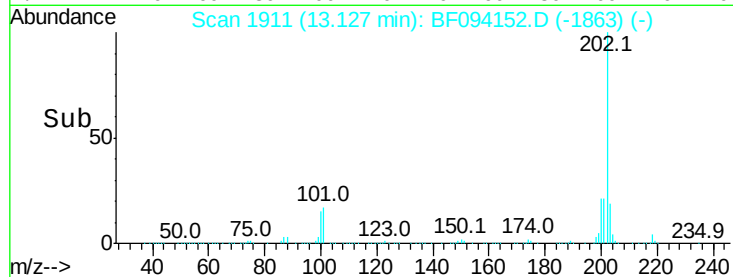
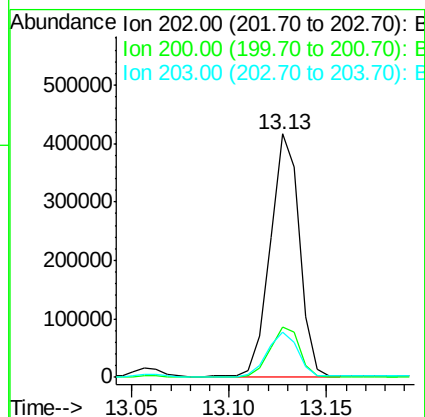
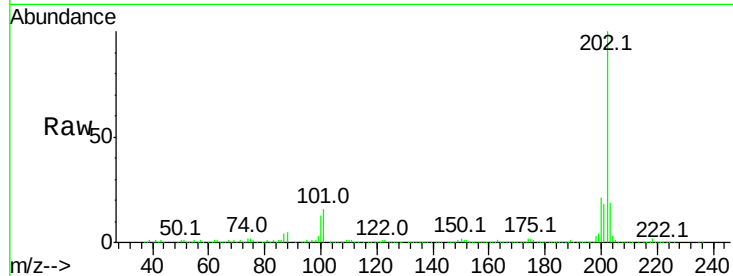
#77
Pvrene
Concen: 18.57 ng
RT: 13.13 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion:	202	Resp:	427597
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	18.6	14.4	21.6

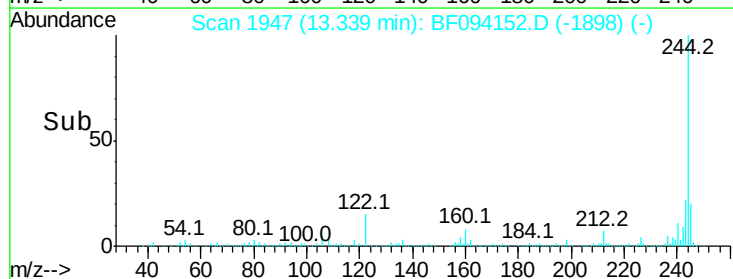
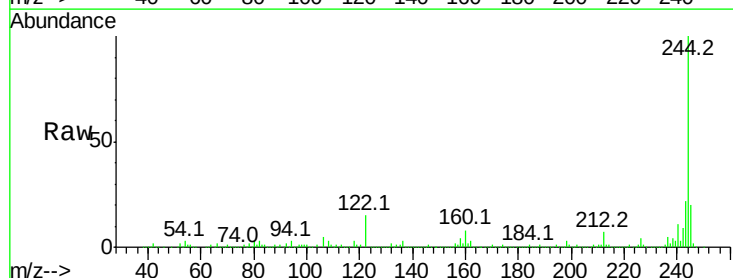
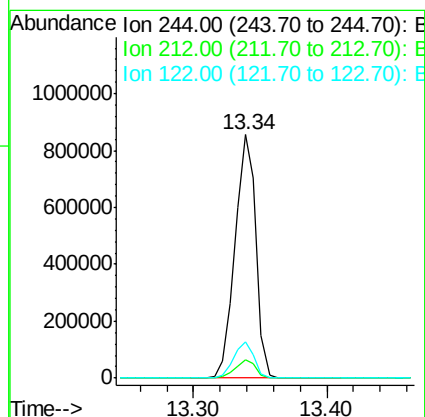
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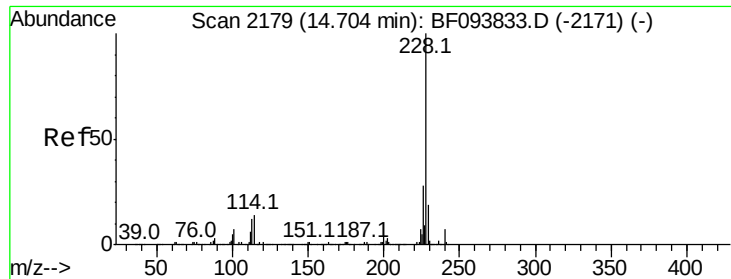
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#78
Terphenyl-d14
Concen: 66.29 ng
RT: 13.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion:	244	Resp:	938410
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	14.7	10.3	15.5





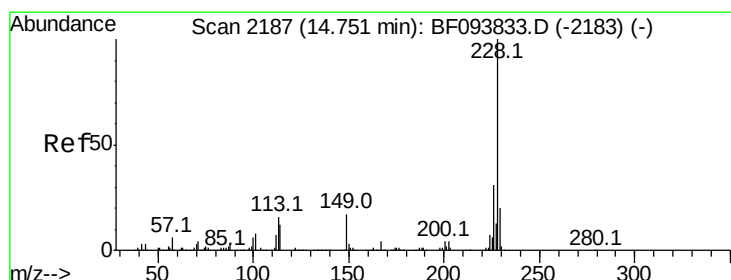
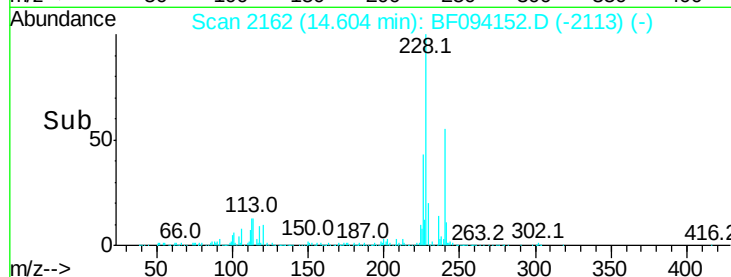
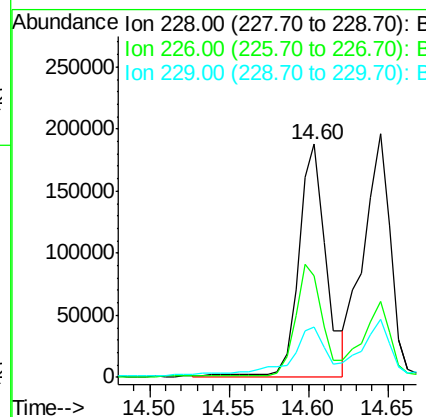
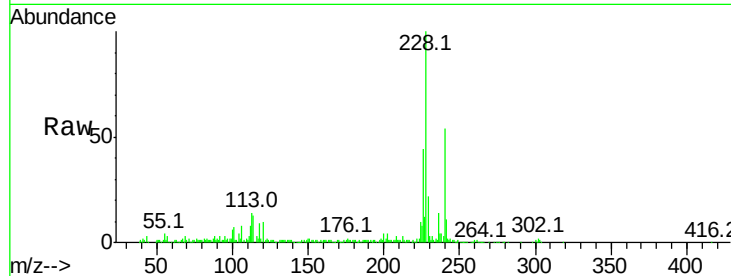
#80
Benzo(a)anthracene
Concen: 12.27 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.7	22.6	33.8
229	21.6	16.3	24.5

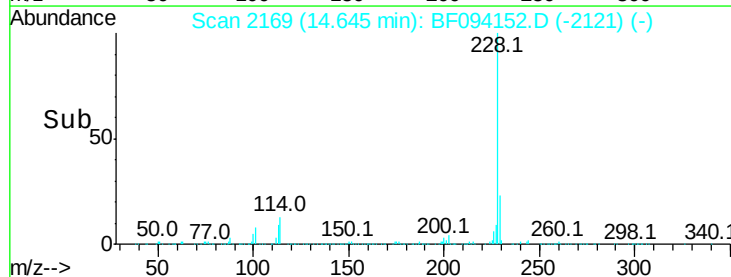
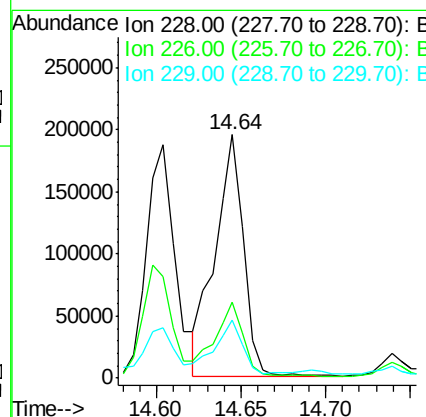
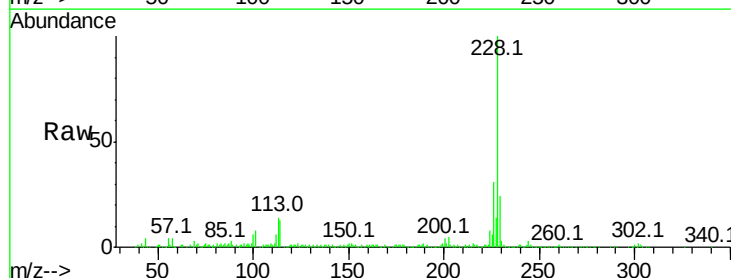
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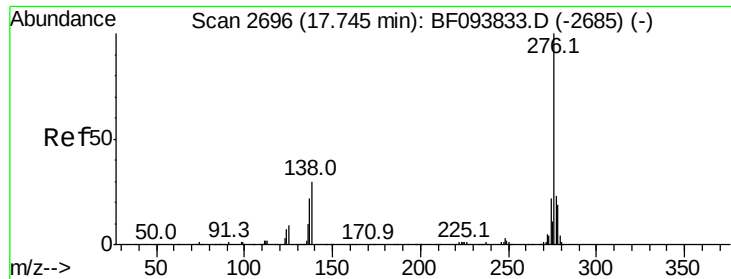
mohammad
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#82
Chrysene
Concen: 13.32 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	23.6	15.8	23.6





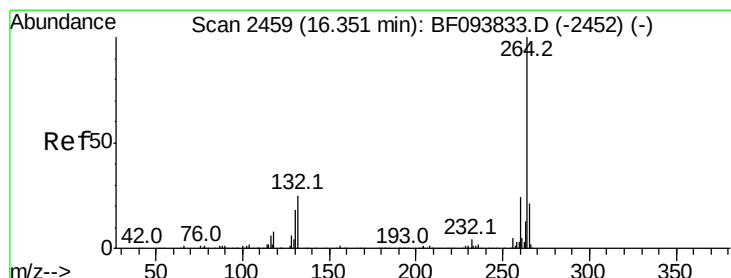
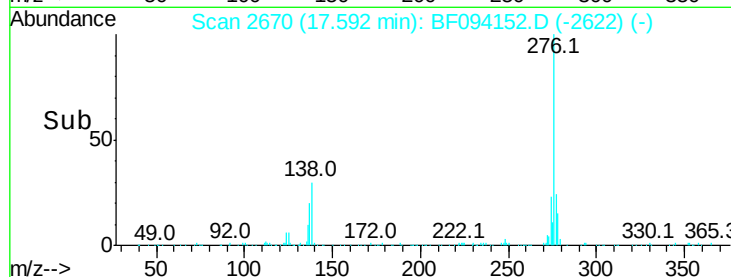
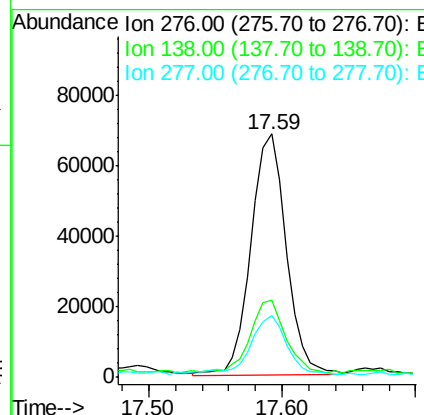
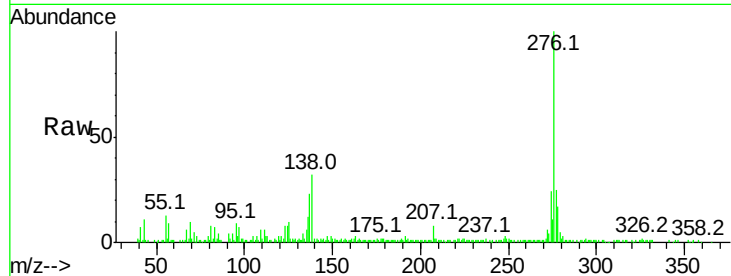
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.43 ng
 RT: 17.59 min Scan# 2670
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	27.8	41.6
277	24.4	20.2	30.4

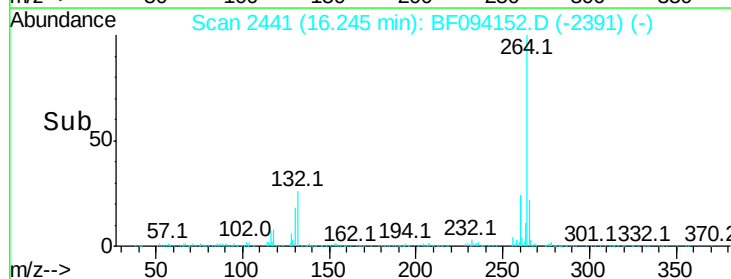
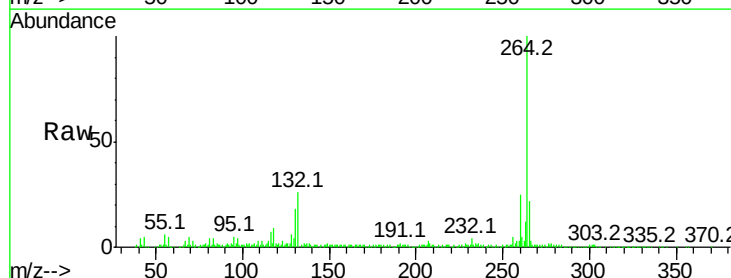
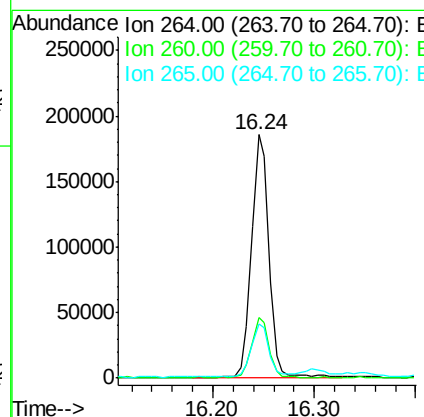
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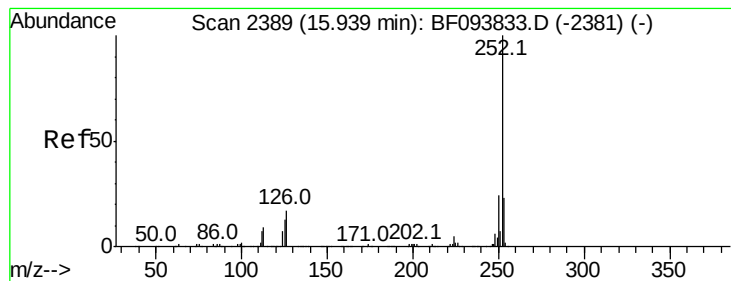
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.24 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.53 ng m

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Instrument :

BNA_F

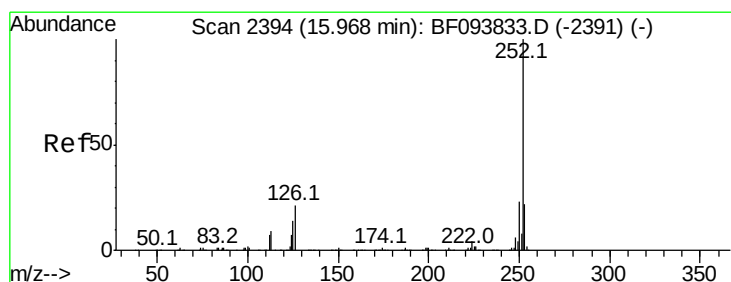
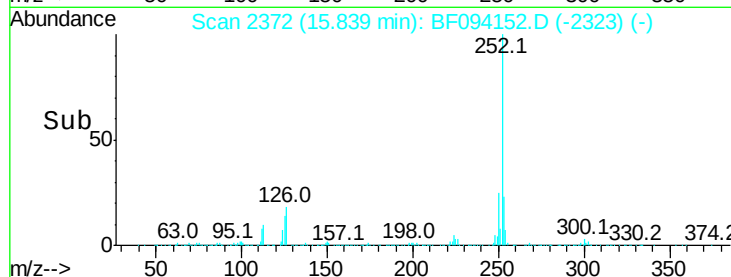
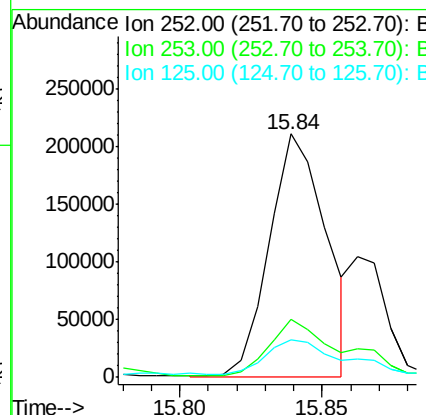
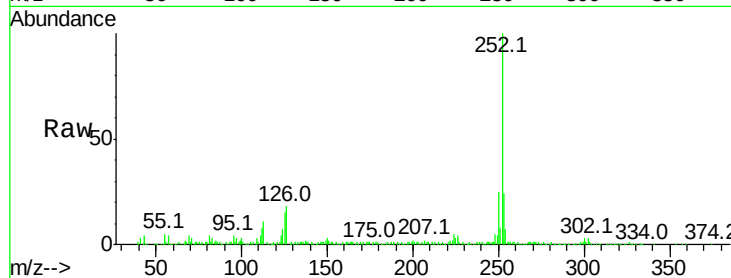
ClientSampleId :

E2-O11-BASE

Tot Ion:	252	Resp:	295909
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.1	27.1
125	15.2	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 7.06 ng m

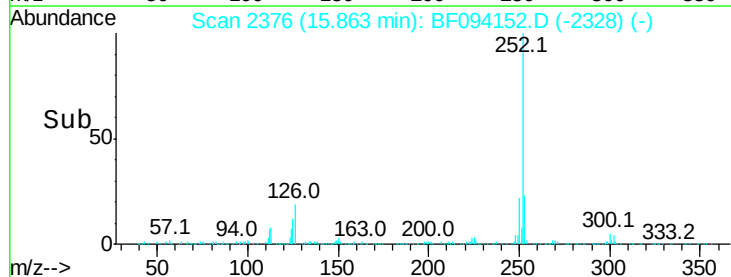
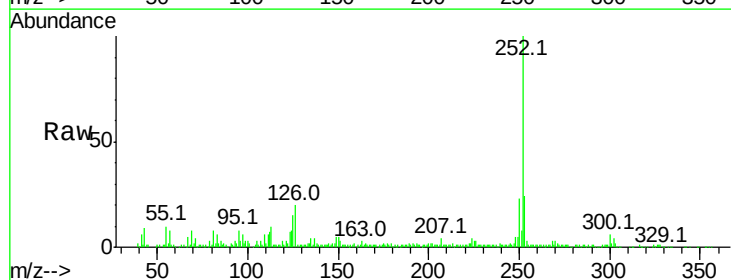
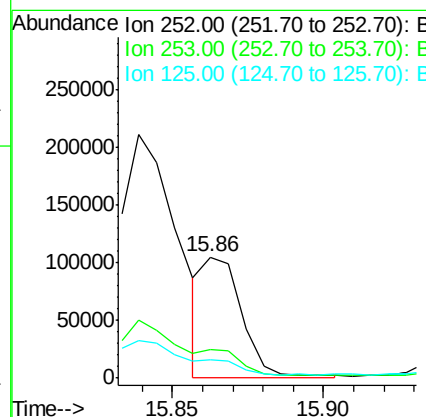
RT: 15.86 min Scan# 2376

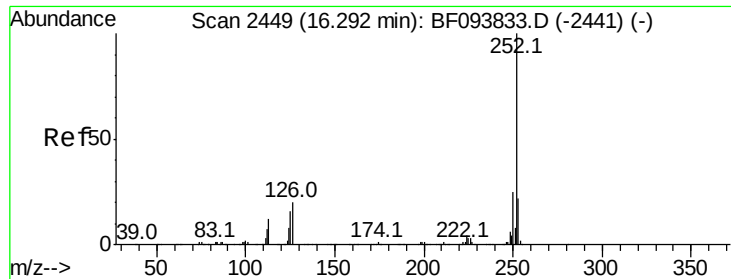
Delta R.T. -0.02 min

Lab File: BF094152.D

Acq: 4 Apr 2017 7:05

Tgt Ion:	252	Resp:	94898
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.4	27.6
125	15.1	13.1	19.7





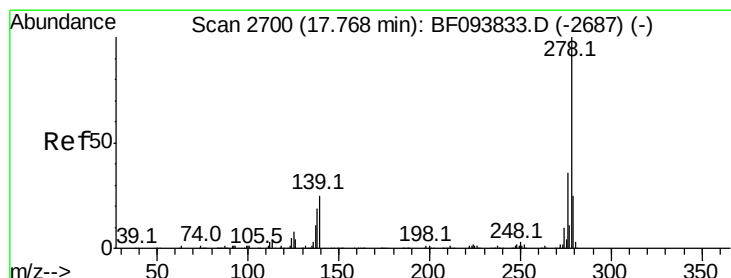
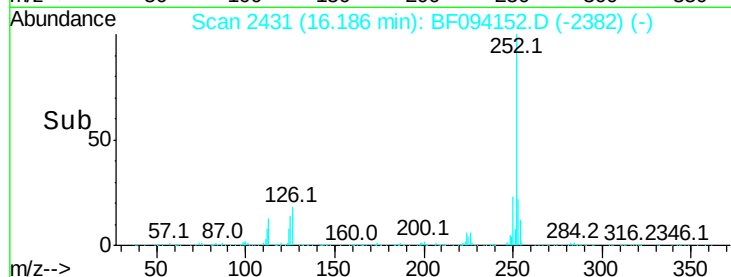
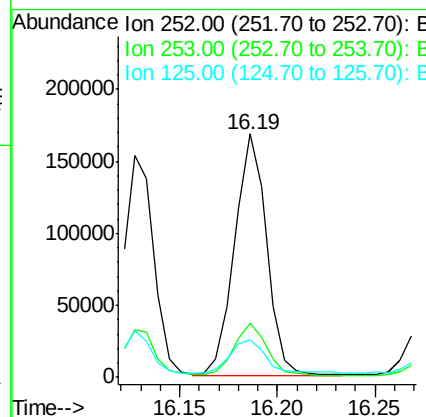
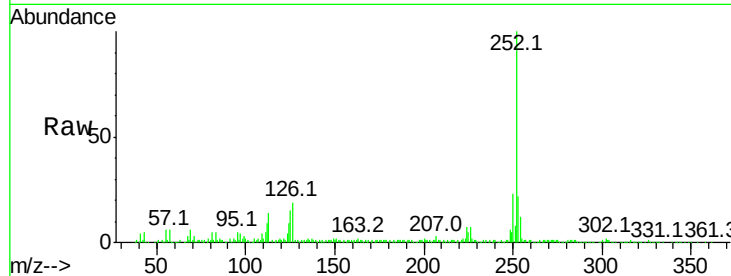
#89
Benzo(a)pyrene
Concen: 15.06 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Instrument :
BNA_F
ClientSampleId :
E2-O11-BASE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.3	11.0	16.4

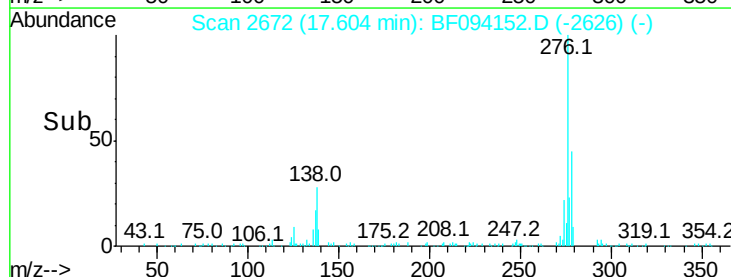
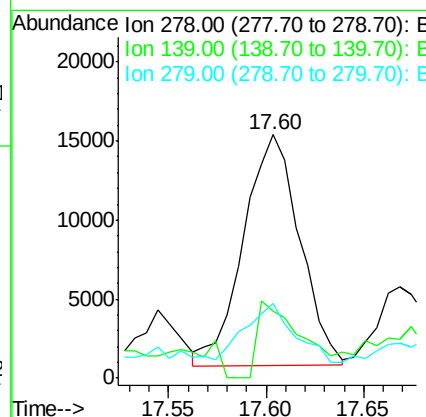
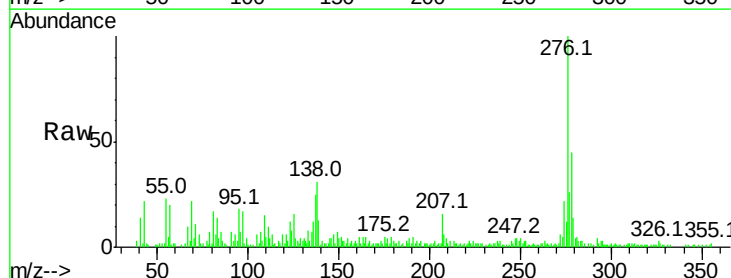
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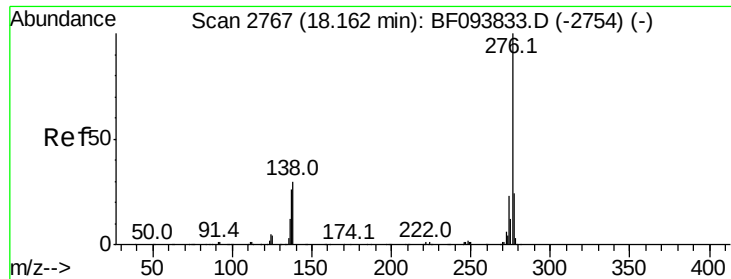
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#90
Dibenzo(a,h)anthracene
Concen: 2.72 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.03 min
Lab File: BF094152.D
Acq: 4 Apr 2017 7:05

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	27.8	16.6	24.8#
279	30.8	19.3	28.9#





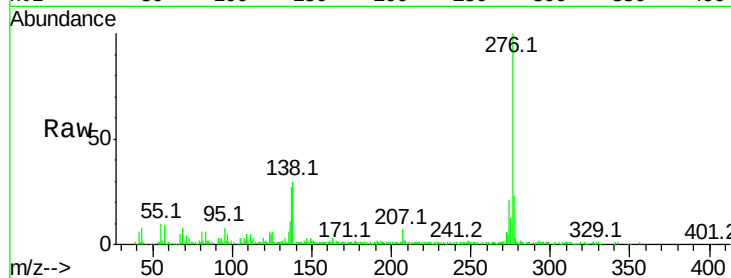
#91
 Benzo(a,h,i)perylene
 Concen: 13.54 ng
 RT: 17.99 min Scan# 2737
 Delta R.T. -0.02 min
 Lab File: BF094152.D
 Acq: 4 Apr 2017 7:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-O11-BASE

Tot Ion	Ratio	Resp	Lower	Upper
276	100	146228		
277	22.7		18.6	28.0
138	30.2		25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

