

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093211.D
 Acq On : 27 Feb 2017 16:15
 Operator : SJ/MA
 Sample : I1972-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-3

Manual Integrations
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Quant Time: Feb 27 18:00:32 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	161119	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	579401	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	223934	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	325709	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	336527	20.00	ng	-0.01
86) Perylene-d12	15.45	264	268475	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	205645	21.90	ng	-0.02
7) Phenol-d6	6.48	99	266472	22.05	ng	-0.01
23) Nitrobenzene-d5	7.40	82	142897	13.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	28680	17.71	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	215612	17.44	ng	-0.01
78) Terphenyl-d14	12.96	244	123385	8.61	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.74	152	95767	4.37	ng	99
70) Phenanthrene	11.39	178	97326	5.22	ng	98
71) Anthracene	11.45	178	54429	2.90	ng	97
74) Fluoranthene	12.58	202	111794	5.81	ng	95
77) Pyrene	12.81	202	245986	9.77	ng	98
80) Benzo(a)anthracene	14.00	228	106328m	5.17	ng	
82) Chrysene	14.03	228	131734m	6.84	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	138845	9.30	ng	97
87) Benzo(b)fluoranthene	15.04	252	204460m	11.57	ng	
88) Benzo(k)fluoranthene	15.05	252	61446m	4.03	ng	
89) Benzo(a)pyrene	15.39	252	280173	18.33	ng	98
90) Dibenzo(a,h)anthracene	16.87	278	34478	2.79	ng	# 80
91) Benzo(a,h,i)perylene	17.30	276	230958	18.51	ng	# 92

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

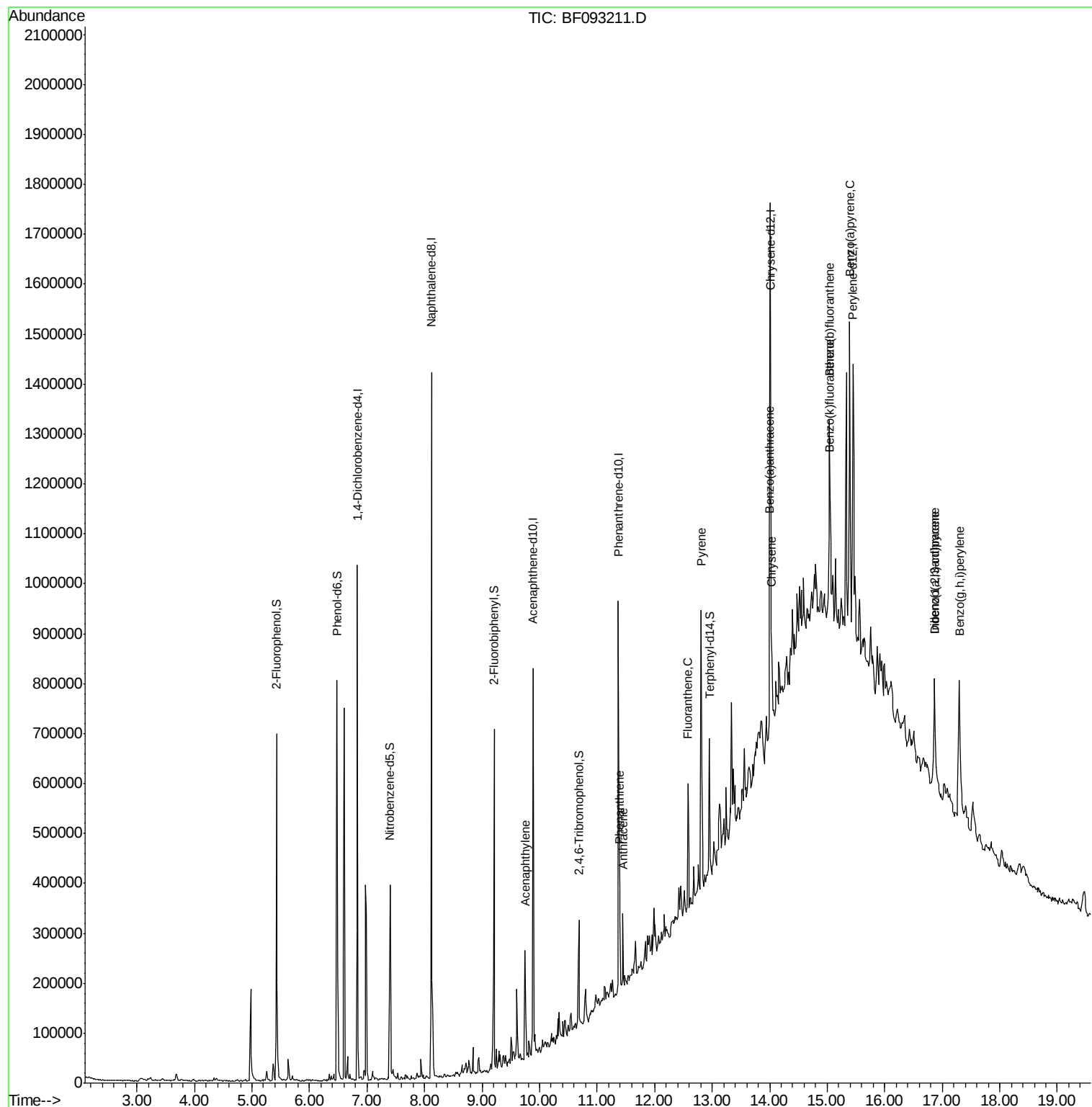
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093211.D
Acq On : 27 Feb 2017 16:15
Operator : SJ/MA
Sample : I1972-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

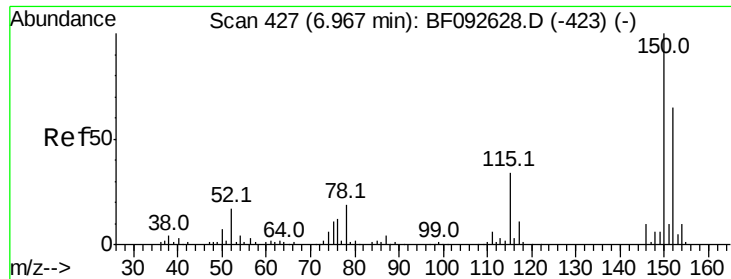
Instrument :
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E2B15-BASE-3

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Quant Time: Feb 27 18:00:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

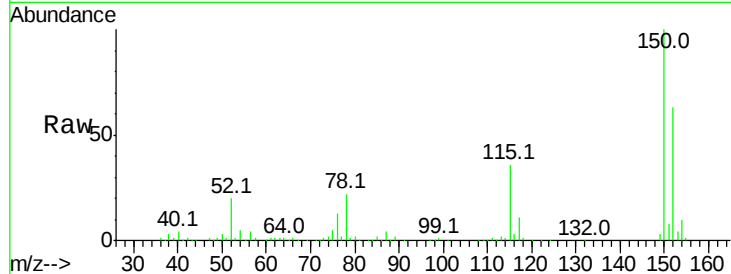
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.9	187.3
115	56.8	46.0	69.0

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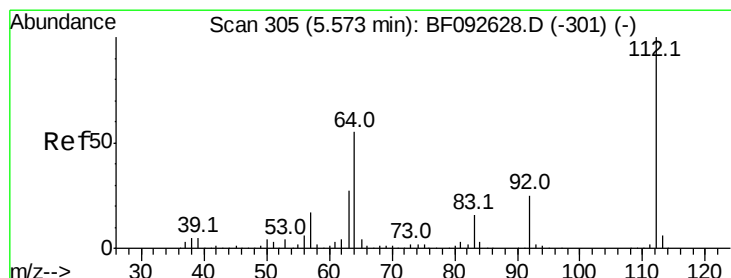
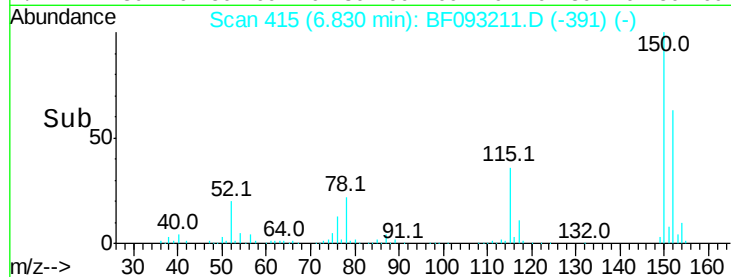
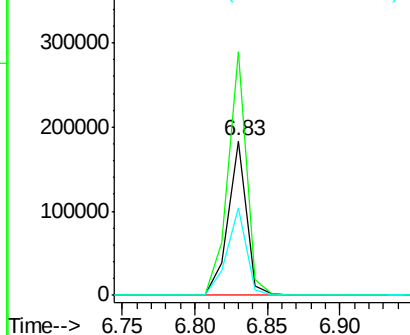


Abundance

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: 21.90 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

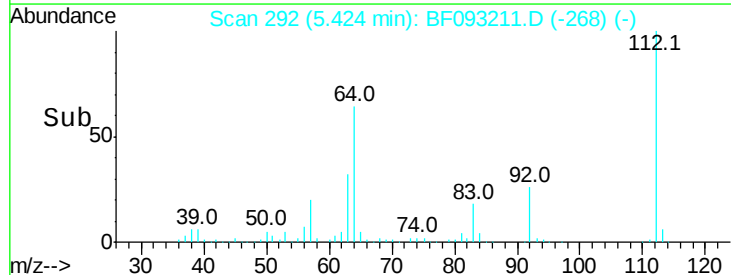
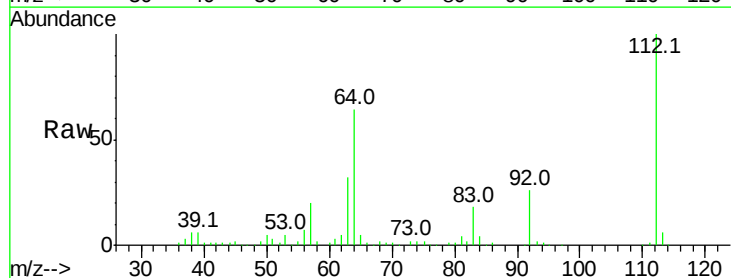
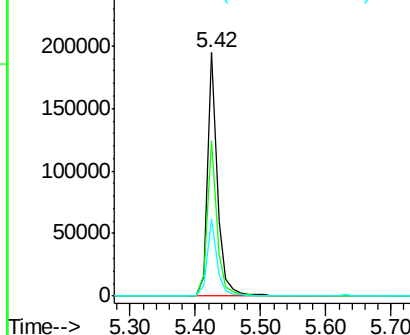
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	46.1	69.1
63	31.9	23.8	35.6

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: 22.05 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

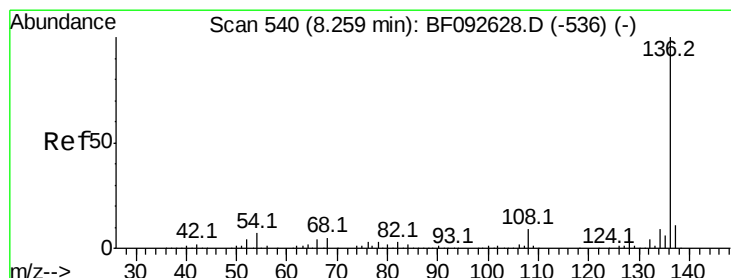
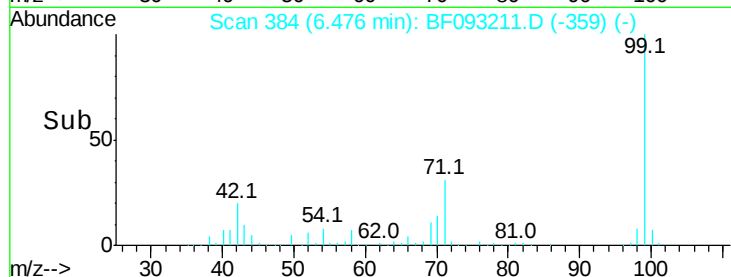
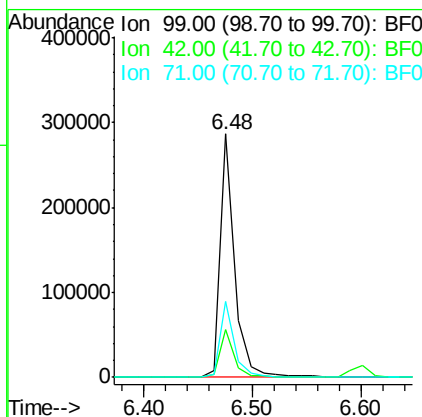
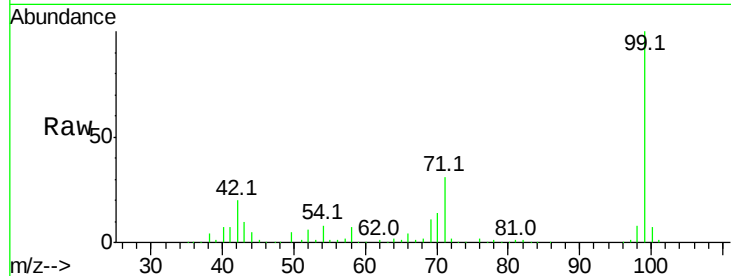
ClientSampleId :

E2B15-BASE-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		266472		
42	19.9	15.6	23.4		
71	31.1	27.5	41.3		

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#21

Naphthalene-d8

Concen: 20.00 ng

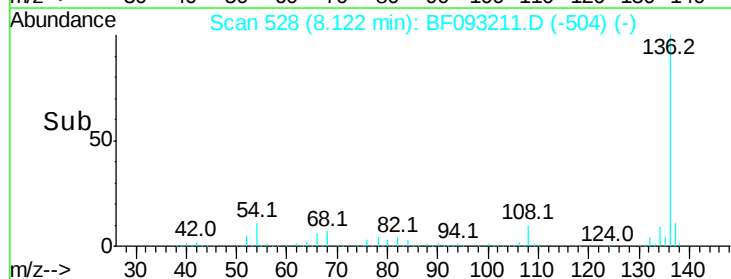
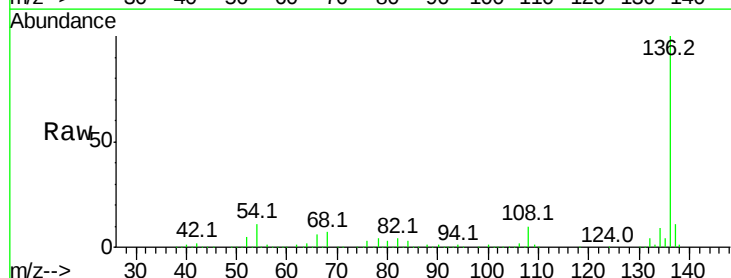
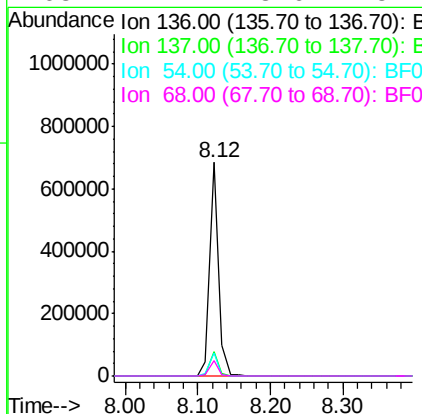
RT: 8.12 min Scan# 528

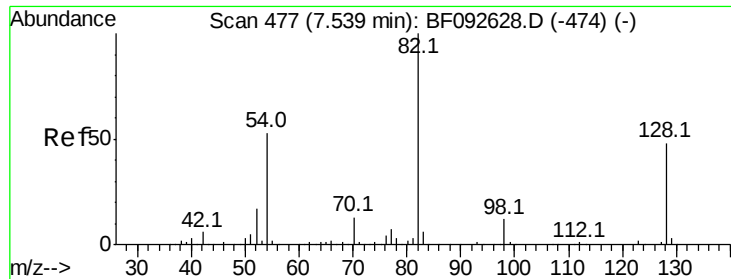
Delta R.T. -0.02 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		579401		
137	11.4	8.4	12.6		
54	10.6	4.5	6.7#		
68	7.4	3.6	5.4#		





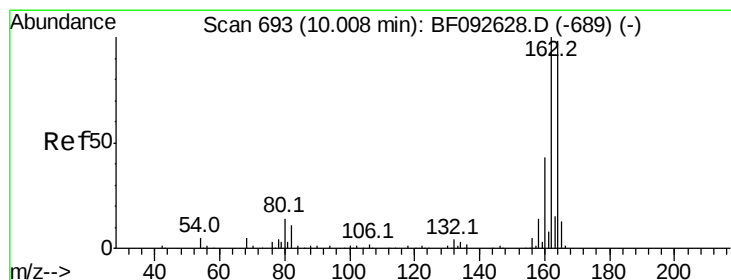
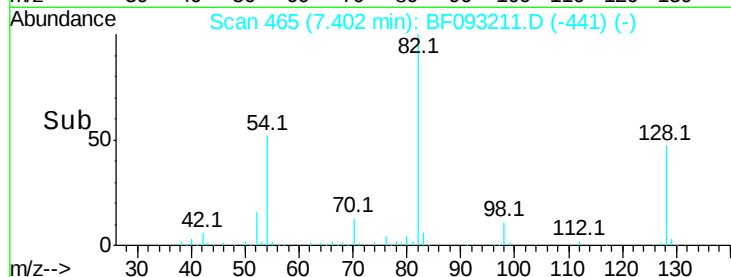
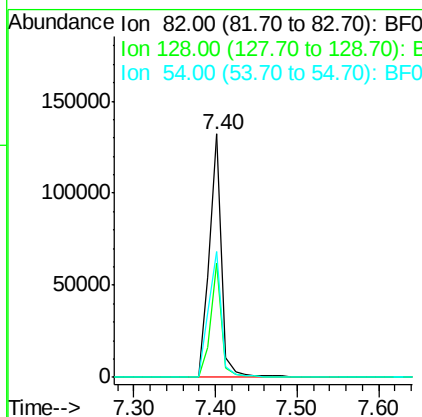
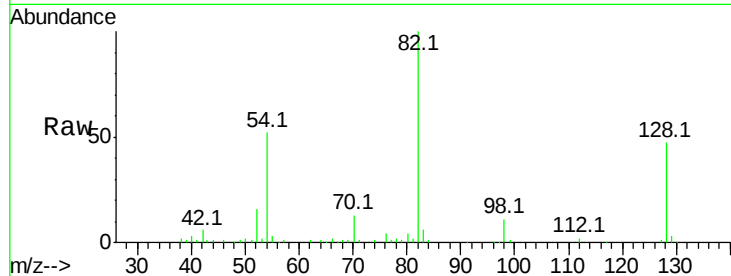
#23
 Nitrobenzene-d5
 Concen: 13.73 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093211.D
 Acq: 27 Feb 2017 16:15

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	34.6	52.0
54	51.8	39.5	59.3

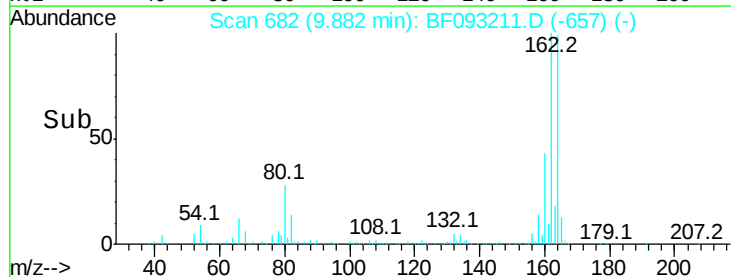
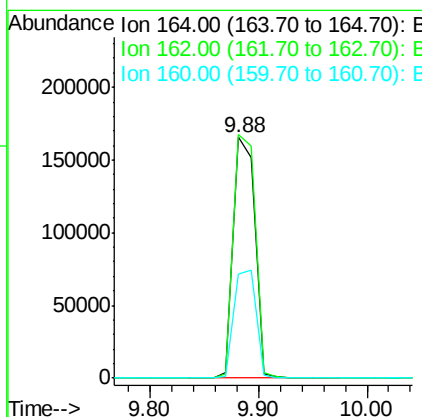
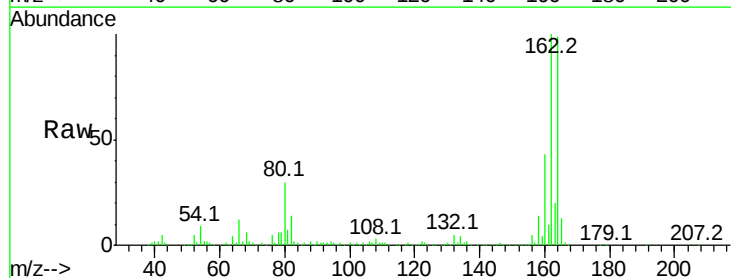
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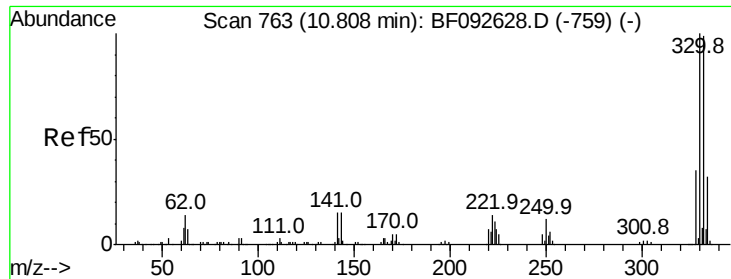
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093211.D
 Acq: 27 Feb 2017 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.2
160	43.0	36.9	55.3





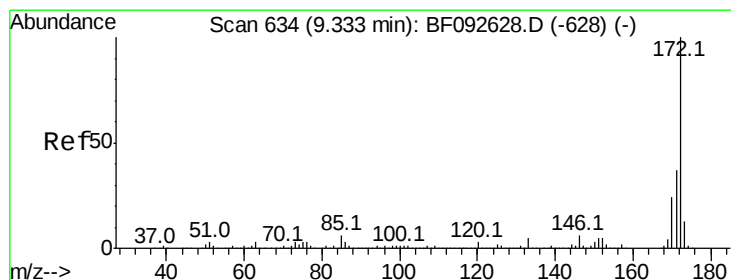
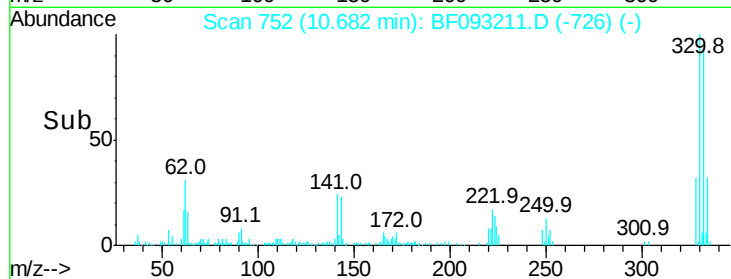
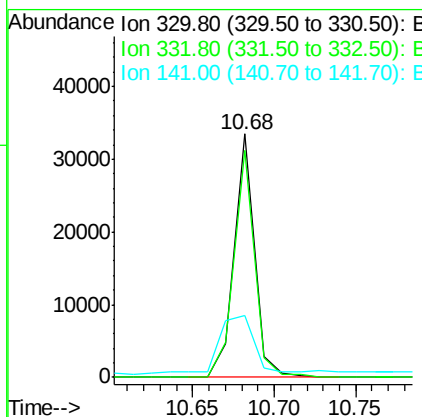
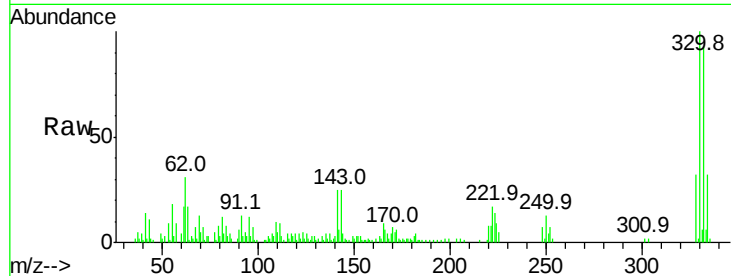
#41
 2,4,6-Tribromophenol
 Concen: 17.71 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093211.D
 Acq: 27 Feb 2017 16:15

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	28680		
332	94.5		77.4	116.2
141	42.2		34.1	51.1

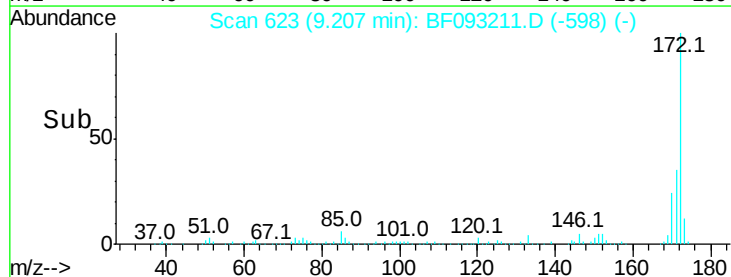
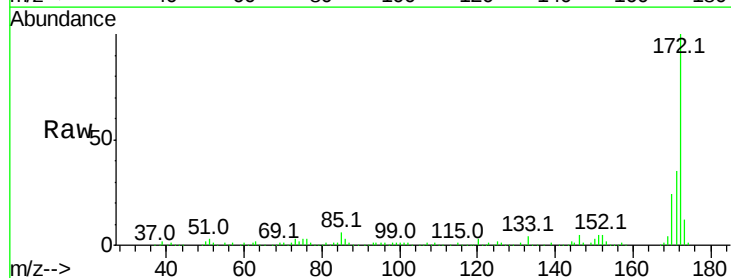
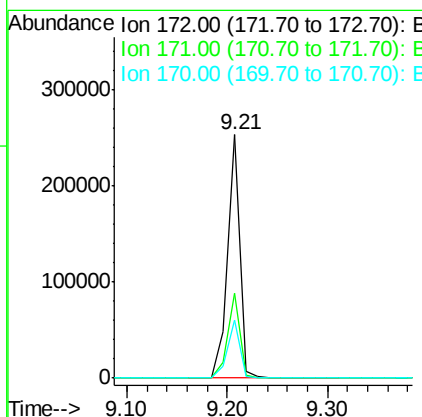
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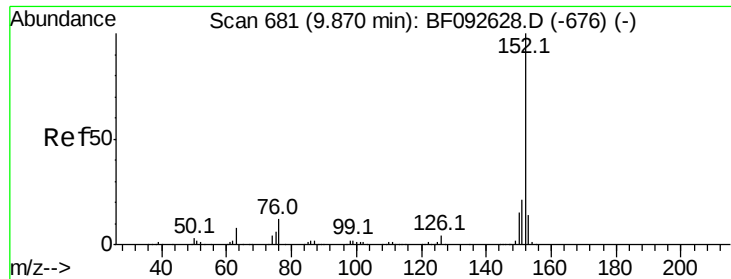
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#44
 2-Fluorobiphenyl
 Concen: 17.44 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093211.D
 Acq: 27 Feb 2017 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	215612		
171	34.8		29.4	44.0
170	23.6		20.2	30.4





#48

Acenaphthylene

Concen: 4.37 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

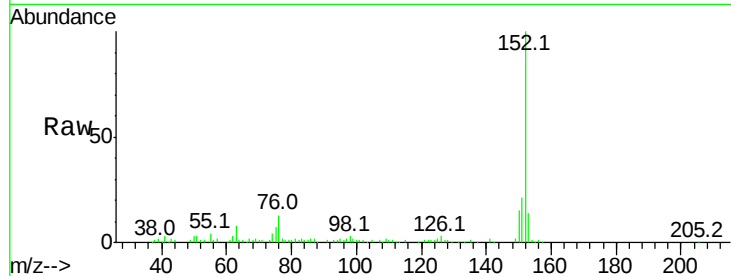
ClientSampleId :

E2B15-BASE-3

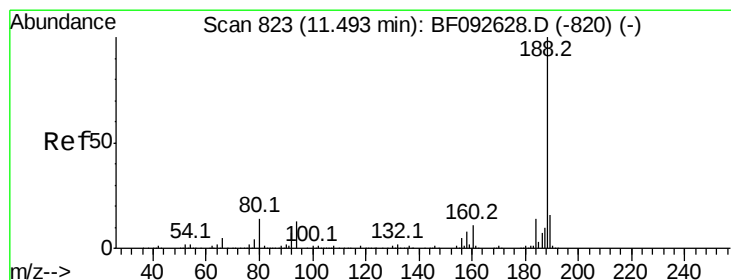
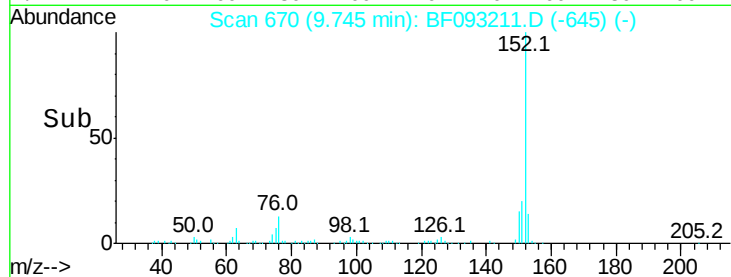
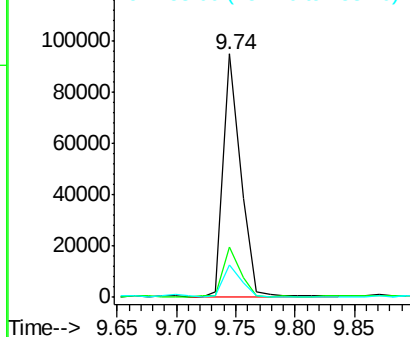
Tot Ion:	152	Resp:	95767
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.9	25.3
153	13.5	11.4	17.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

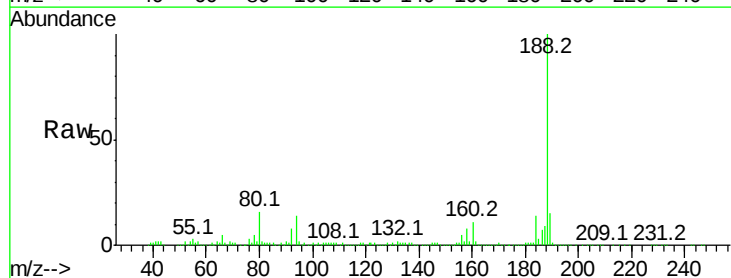
RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

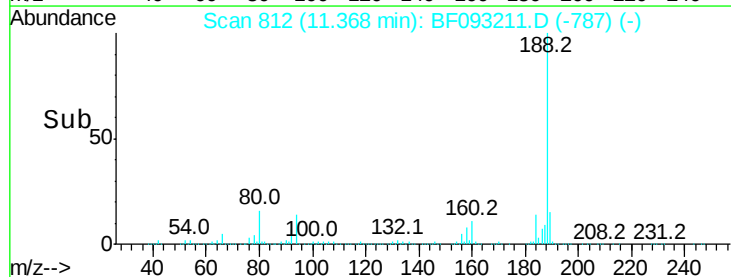
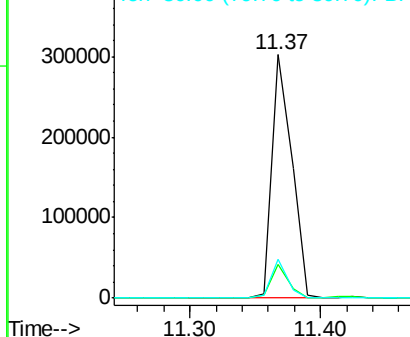
Lab File: BF093211.D

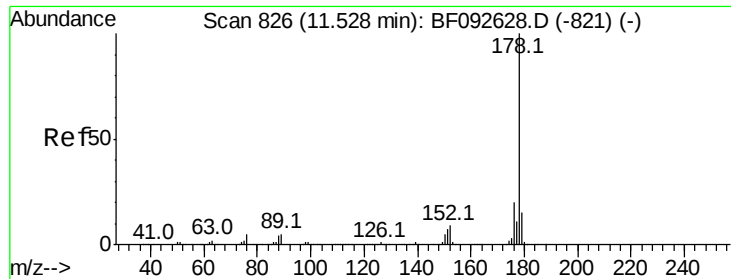
Acq: 27 Feb 2017 16:15

Tgt Ion:	188	Resp:	325709
Ion Ratio	Lower	Upper	
188	100		
94	14.0	10.0	15.0
80	15.9	11.2	16.8



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: 5.22 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-3

Tot Ion:178 Resp: 97326

Ion Ratio Lower Upper

178 100

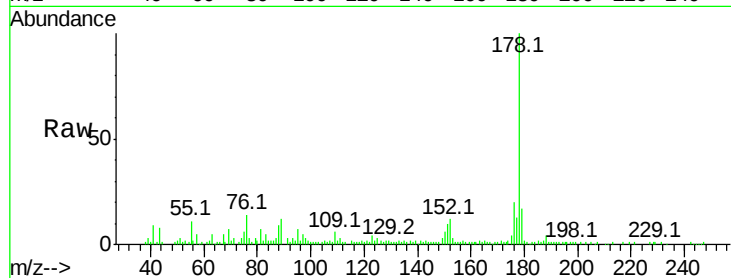
176 19.9 16.6 25.0

179 16.6 12.8 19.2

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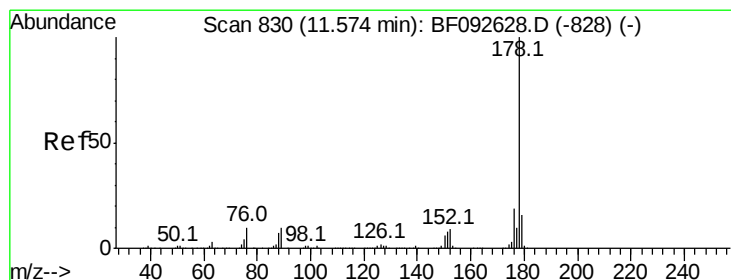
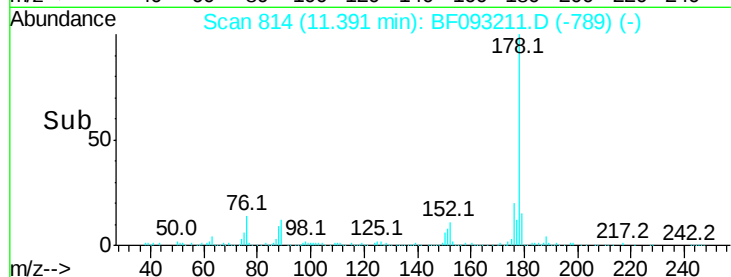
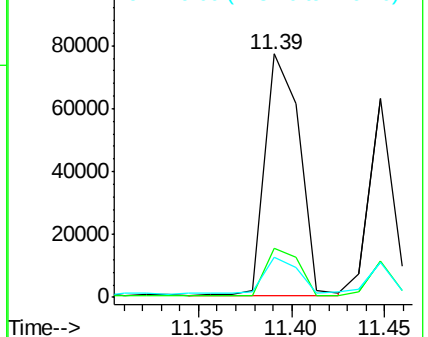
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.90 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

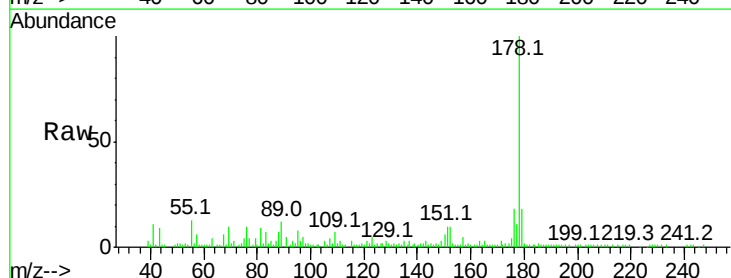
Tgt Ion:178 Resp: 54429

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

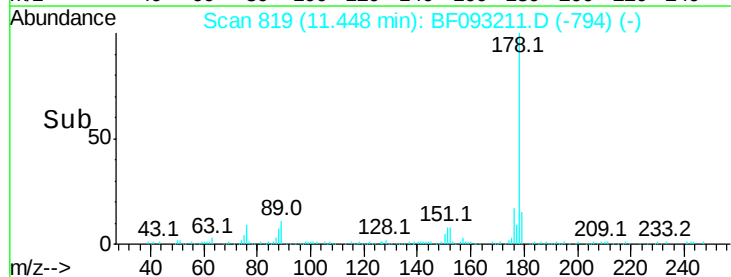
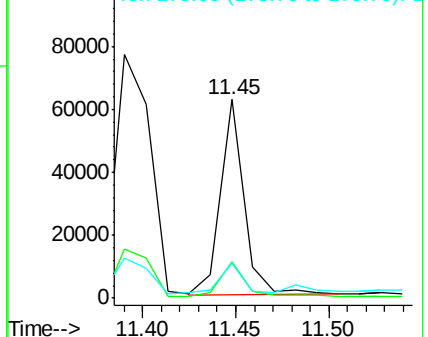
179 17.8 13.2 19.8

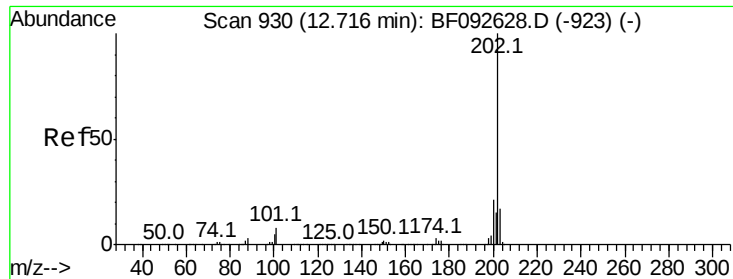


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.81 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

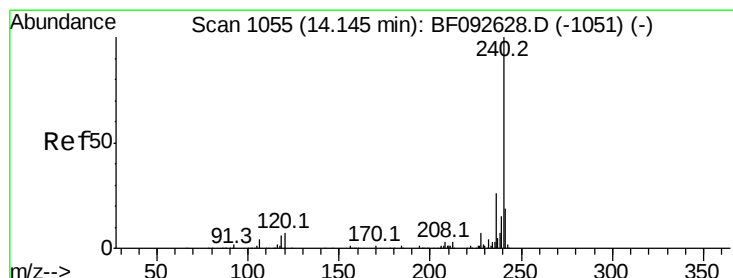
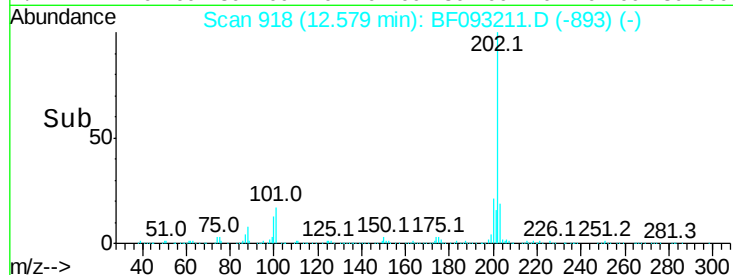
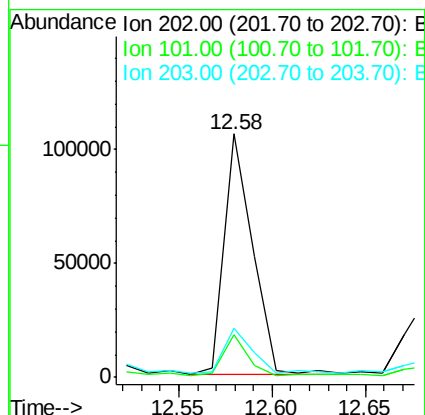
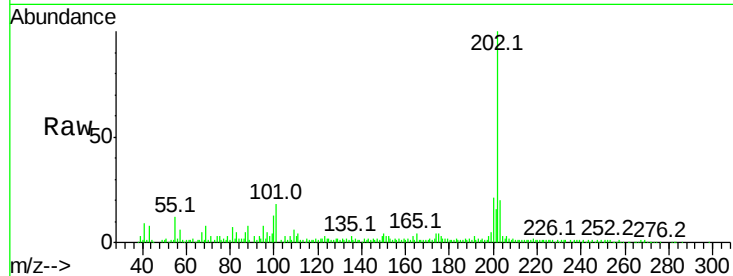
ClientSampleId :

E2B15-BASE-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	17.6	0.0	34.6		
203	20.0	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

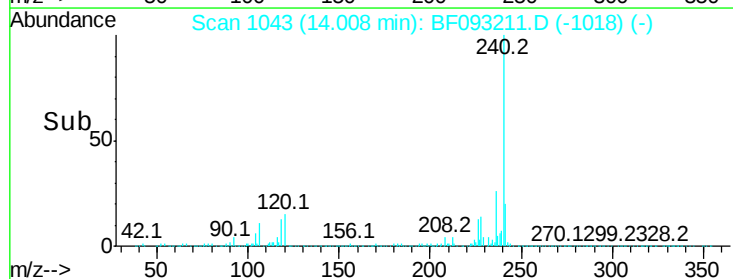
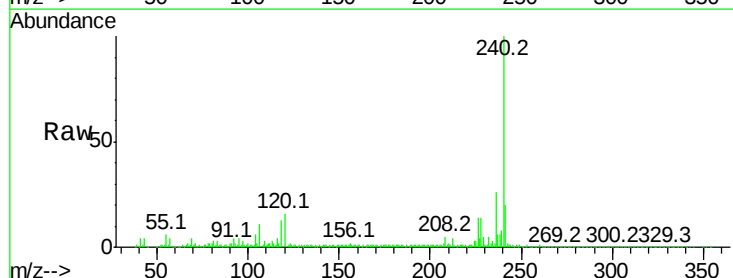
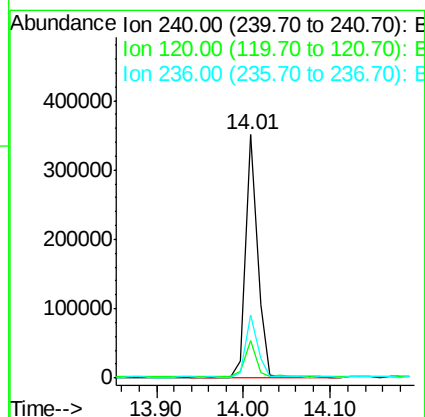
RT: 14.01 min Scan# 1043

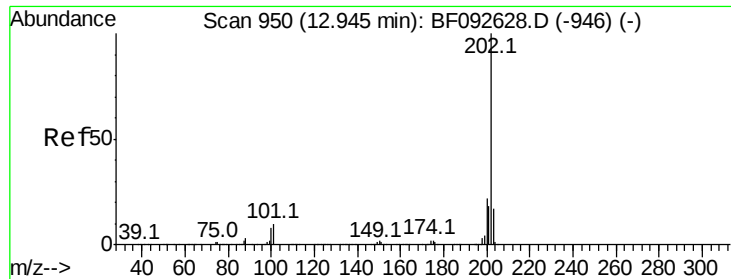
Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.6	12.9	19.3		
236	25.9	20.9	31.3		





#77

Pvrene

Concen: 9.77 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

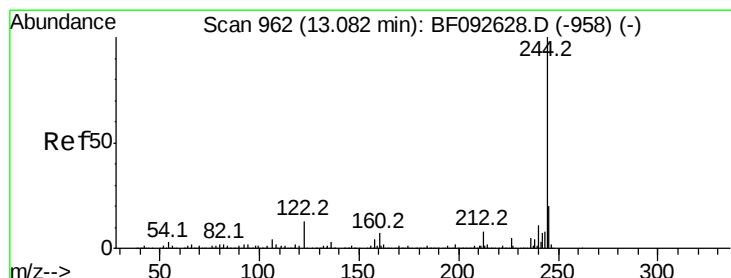
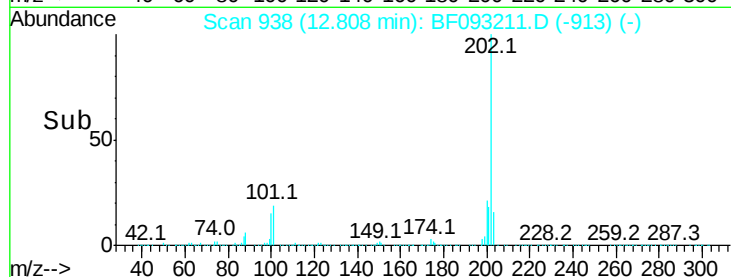
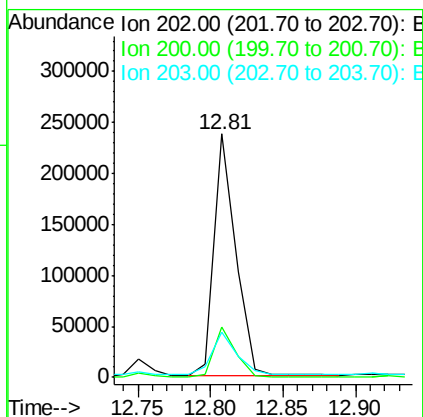
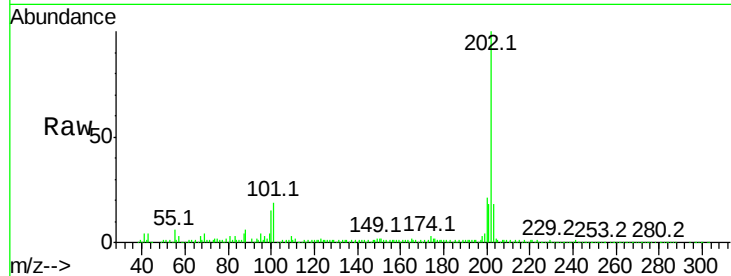
ClientSampleId :

E2B15-BASE-3

Tot Ion:	202	Resp:	245986
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	18.4	14.7	22.1

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#78

Terphenyl-d14

Concen: 8.61 ng

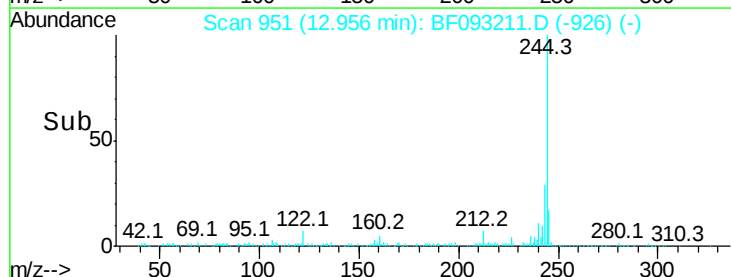
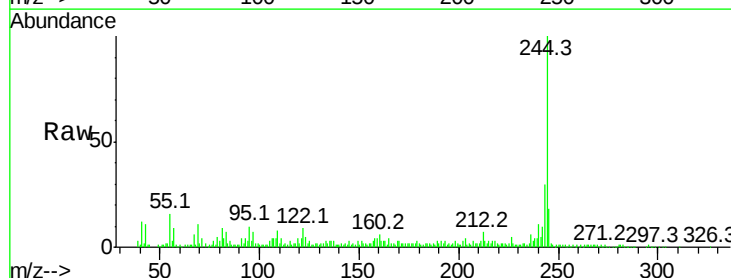
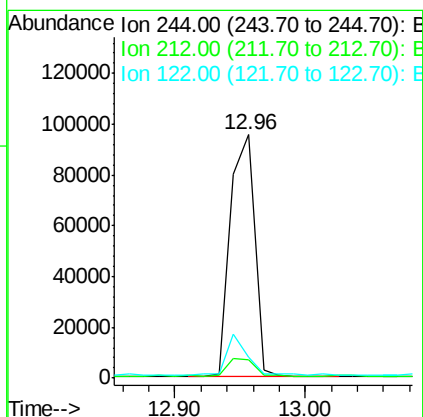
RT: 12.96 min Scan# 951

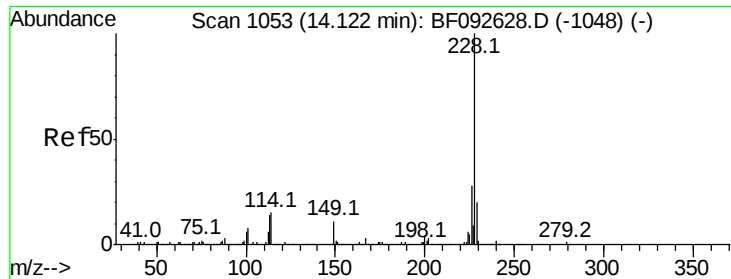
Delta R.T. -0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Tgt Ion:	244	Resp:	123385
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	8.6	11.4	17.2





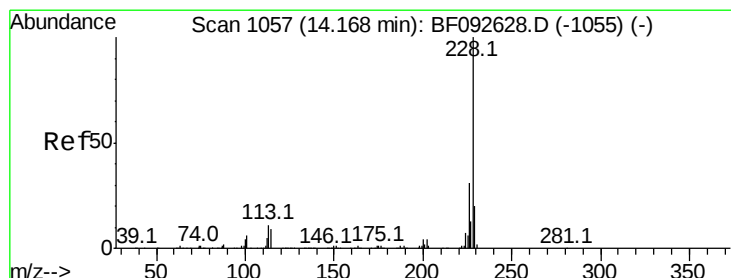
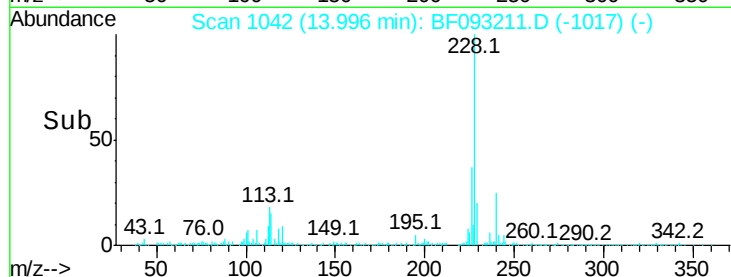
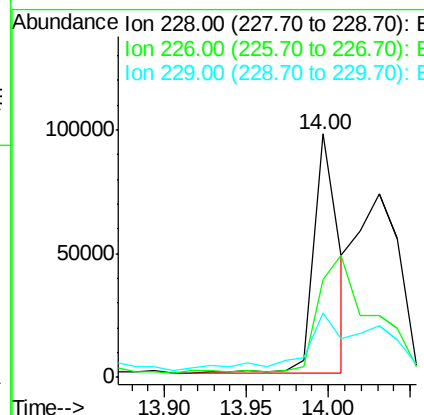
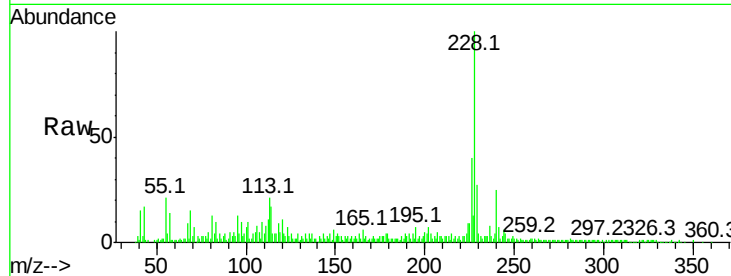
#80
Benzo(a)anthracene
Concen: 5.17 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.4	33.6#
229	26.6	16.2	24.4#

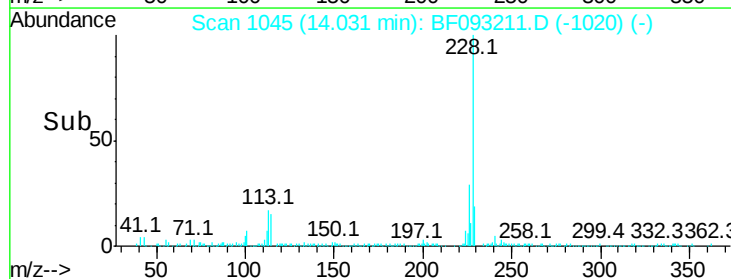
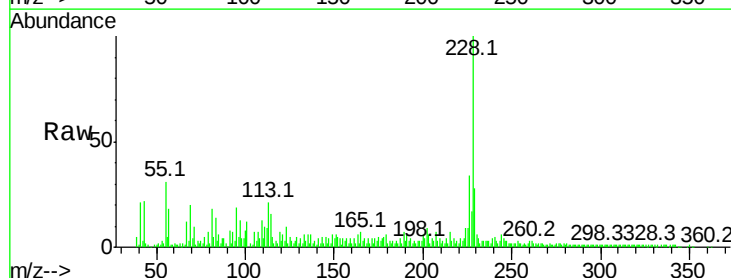
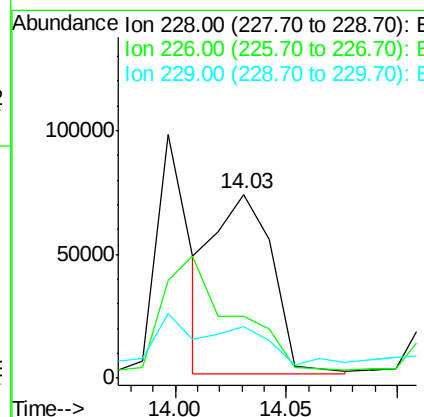
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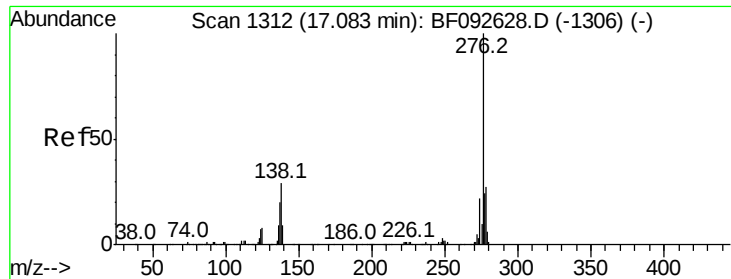
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#82
Chrysene
Concen: 6.84 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	25.4	38.0
229	28.1	16.2	24.2#





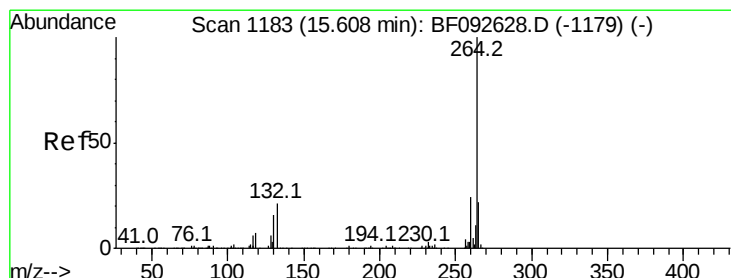
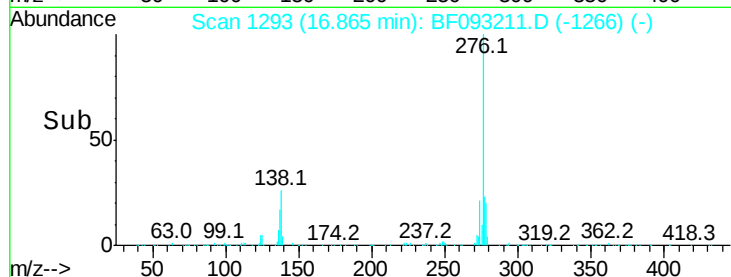
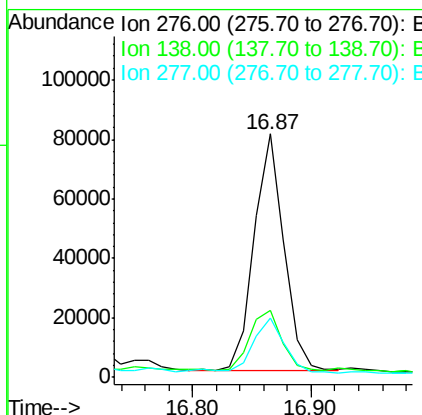
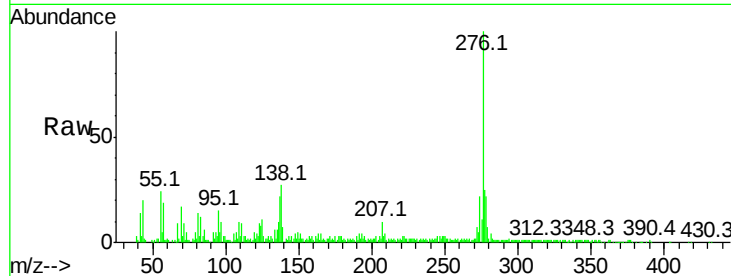
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.30 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Instrument :
BNA_F
ClientSampled :
E2B15-BASE-3

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	27.4	21.8	32.6	
277	27.9	20.2	30.4	

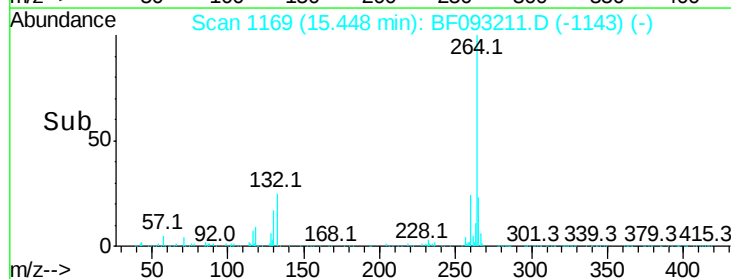
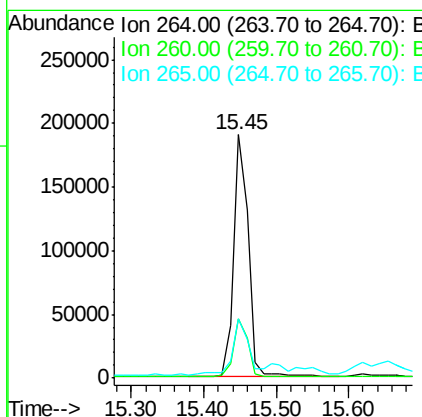
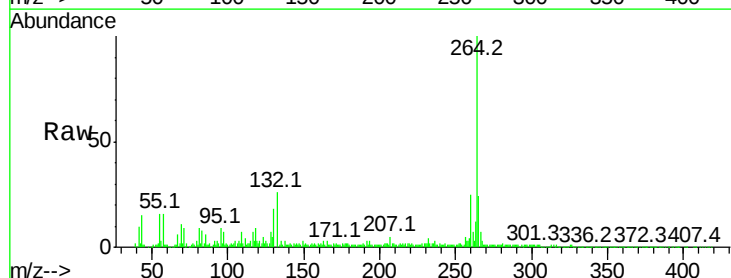
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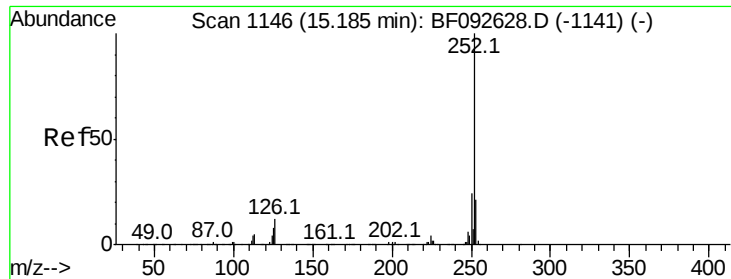
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.5	19.2	28.8	
265	24.3	17.4	26.0	





#87

Benzo(b)fluoranthene

Concen: 11.57 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

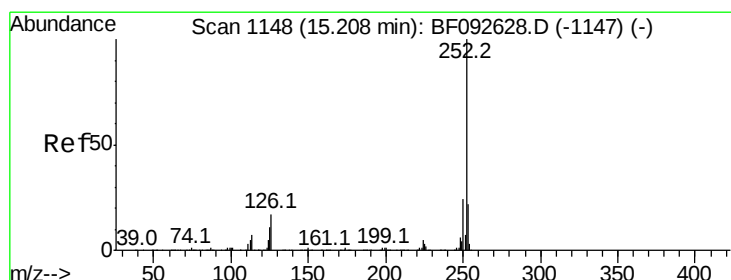
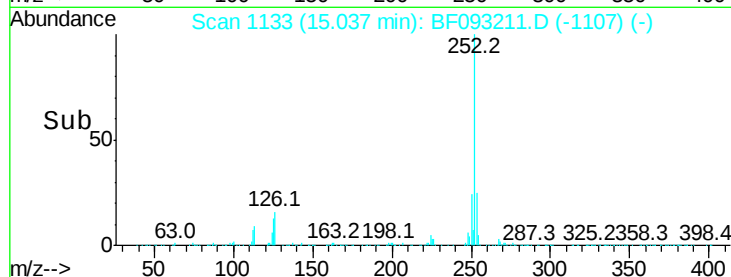
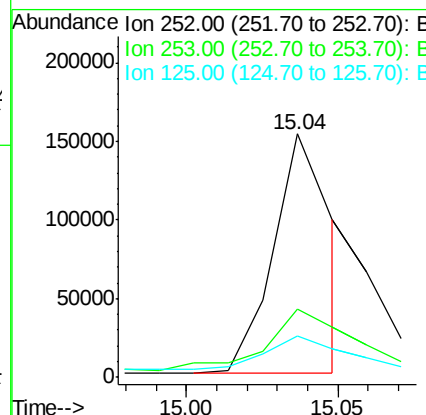
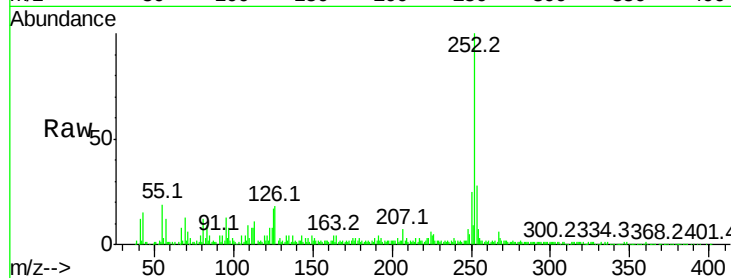
ClientSampleId :

E2B15-BASE-3

Tot Ion:	252	Resp:	204460
Ion Ratio	Lower	Upper	
252	100		
253	27.8	18.2	27.4#
125	16.8	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 4.03 ng m

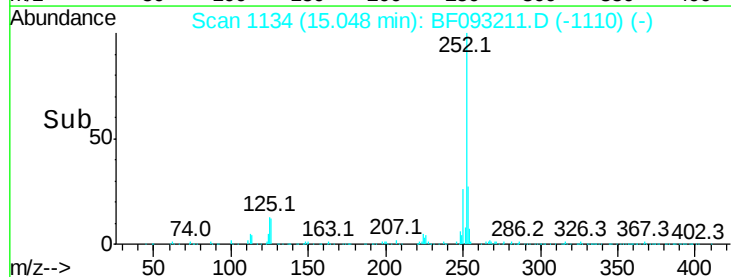
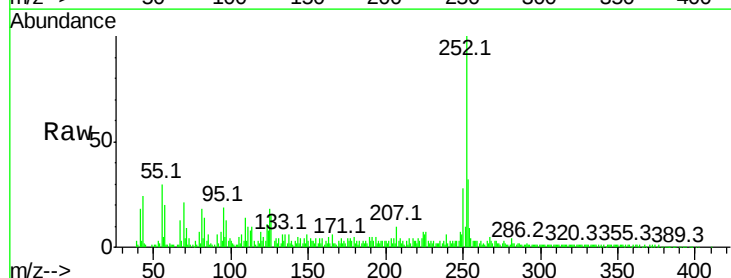
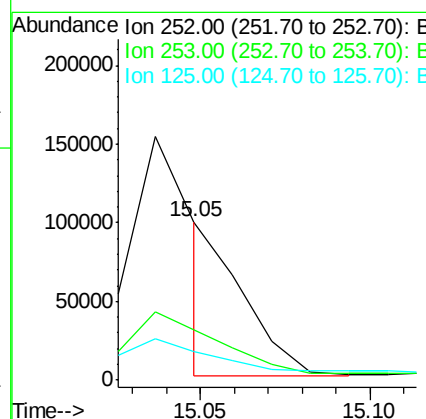
RT: 15.05 min Scan# 1134

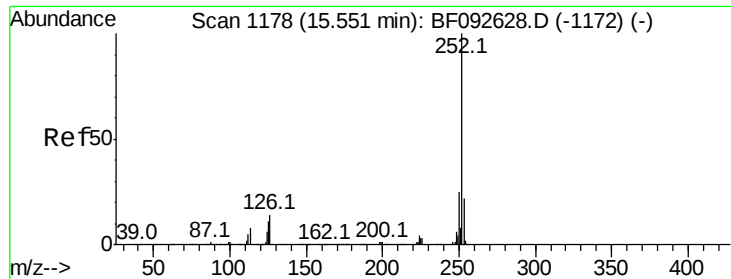
Delta R.T. -0.02 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Tgt Ion:	252	Resp:	61446
Ion Ratio	Lower	Upper	
252	100		
253	31.5	18.5	27.7#
125	18.3	8.9	13.3#





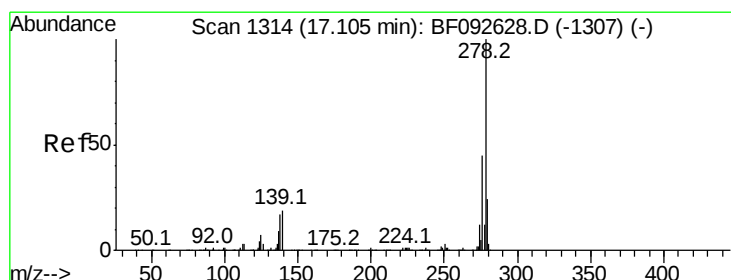
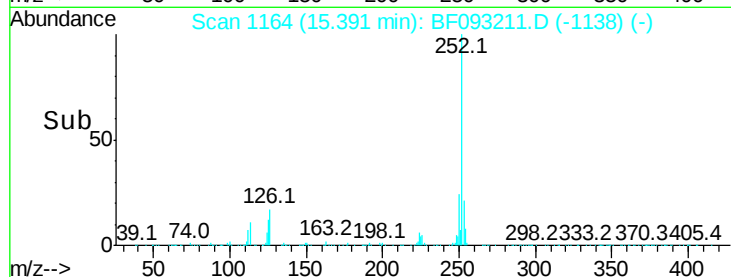
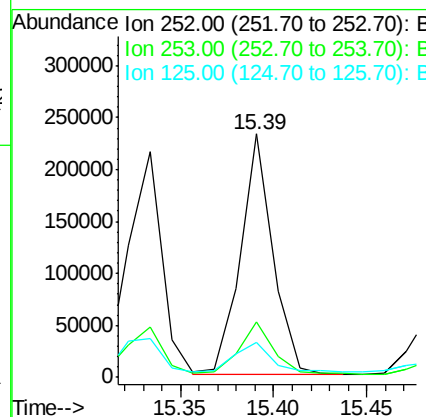
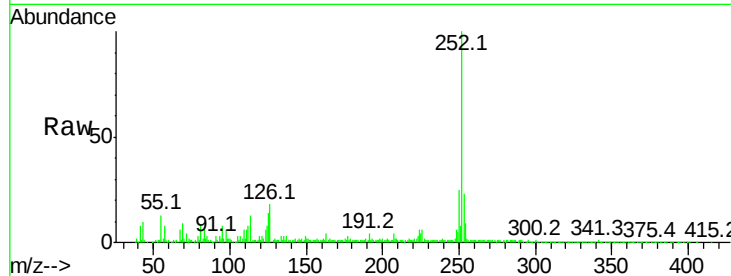
#89
Benzo(a)pyrene
Concen: 18.33 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-3

Tot Ion	Ratio	Resp	Lower	Upper
252	100	280173		
253	23.0		18.2	27.2
125	14.5		10.0	15.0

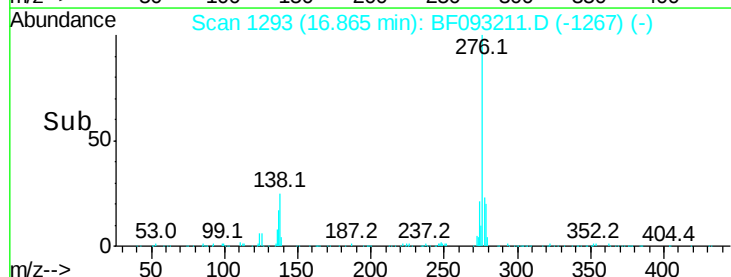
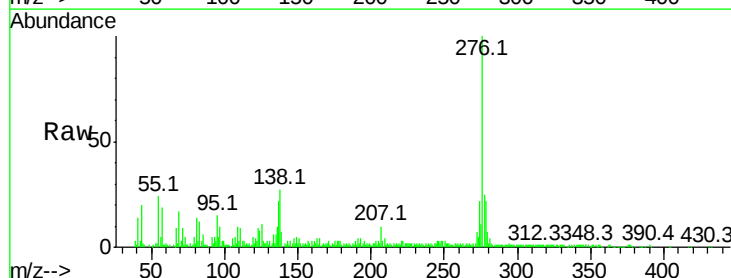
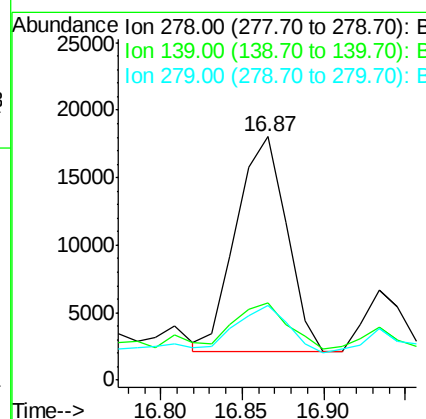
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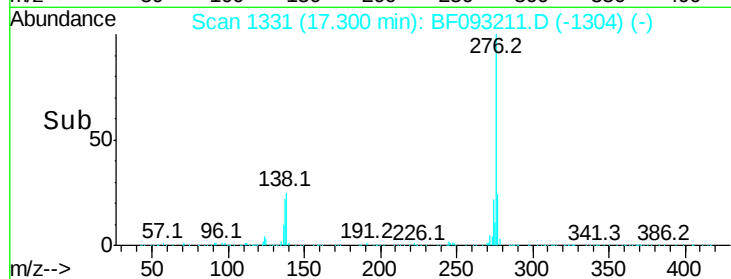
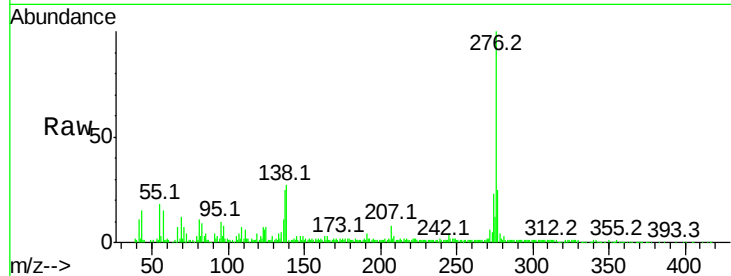
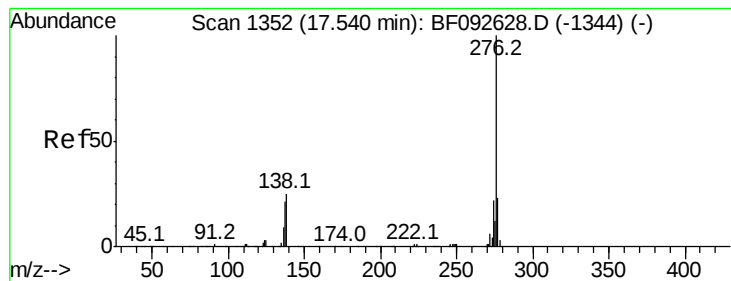
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.79 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF093211.D
Acq: 27 Feb 2017 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	34478		
139	32.0		14.8	22.2#
279	30.7		19.8	29.6#





#91

Benzo(a,h,i)perylene

Concen: 18.51 ng

RT: 17.30 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF093211.D

Acq: 27 Feb 2017 16:15

Instrument :

BNA_F

ClientSampleId :

E2B15-BASE-3

Tot Ion:	276	Resp:	230958
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	26.6	16.0	24.0

Manual Integrations
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