

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093205.D
 Acq On : 27 Feb 2017 13:31
 Operator : SJ/MA
 Sample : I1973-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-4

Manual Integrations
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Quant Time: Feb 27 18:11:20 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	154989	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	597802	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	242773	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	365179	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	304679	20.00	ng	0.00
86) Perylene-d12	15.45	264	284551	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	856550	94.81	ng	-0.02
7) Phenol-d6	6.48	99	1033714	88.93	ng	-0.01
23) Nitrobenzene-d5	7.40	82	730646	68.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	172037	97.98	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1130894	84.39	ng	-0.01
78) Terphenyl-d14	12.96	244	699611	53.95	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.49	94	97667	7.18	ng	79
31) Naphthalene	8.14	128	179896	5.94	ng	98
48) Acenaphthylene	9.74	152	66938	2.82	ng	99
49) Dimethylphthalate	9.61	163	339006	20.73	ng	100
51) Acenaphthene	9.92	154	101184	7.12	ng	99
54) Dibenzofuran	10.09	168	97305	5.12	ng	93
57) Fluorene	10.43	166	99675	6.82	ng	97
70) Phenanthrene	11.40	178	1265109	60.47	ng	98
71) Anthracene	11.45	178	322291	15.34	ng	97
72) Carbazole	11.61	167	117962	5.87	ng	97
74) Fluoranthene	12.59	202	1459821	67.65	ng	95
77) Pvrene	12.82	202	1381053	60.57	ng	99
80) Benzo(a)anthracene	14.01	228	710838	38.15	ng	97
82) Chrysene	14.04	228	605542	34.71	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	31551	2.49	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.87	276	293232	21.70	ng	95
87) Benzo(b)fluoranthene	15.04	252	708736m	37.84	ng	
88) Benzo(k)fluoranthene	15.05	252	325803m	20.15	ng	
89) Benzo(a)pvrene	15.39	252	554730	34.24	ng	97
90) Dibenzo(a,h)anthracene	16.87	278	76549	5.85	ng	# 77
91) Benzo(g,h,i)perylene	17.29	276	268903	20.33	ng	# 89

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

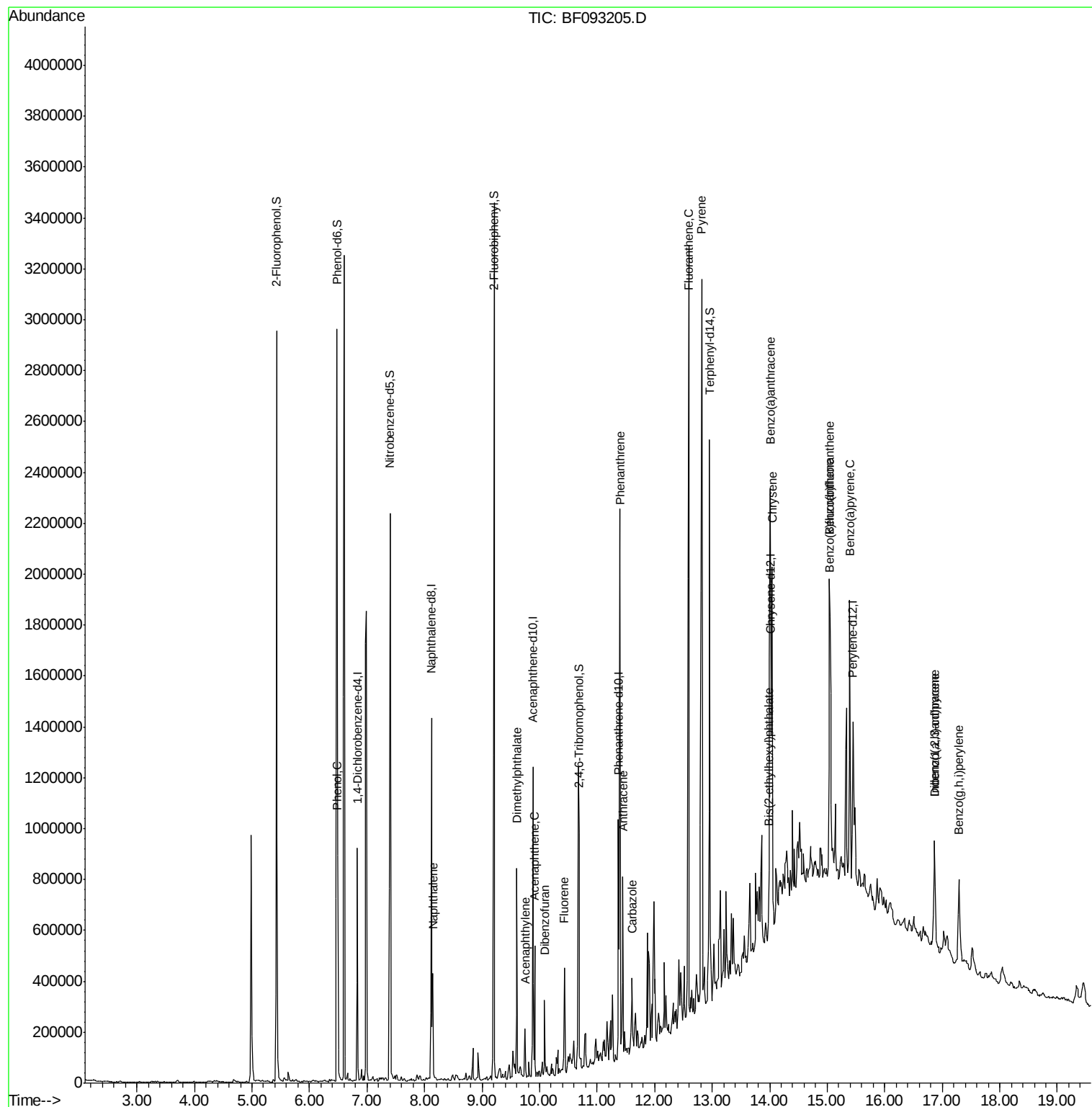
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093205.D
Acq On : 27 Feb 2017 13:31
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Misc :
ALS Vial : 9 Sample Multiplier: 1

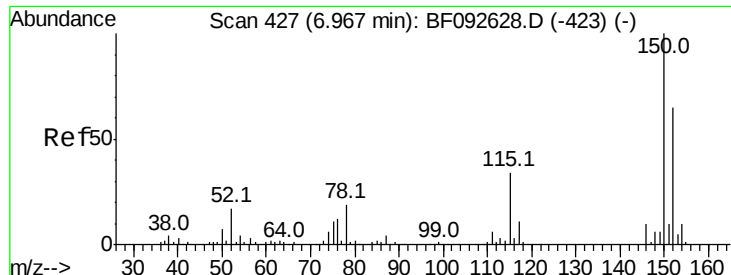
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

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Quant Time: Feb 27 18:11:20 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

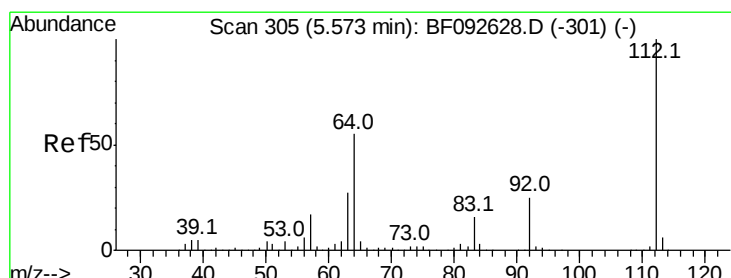
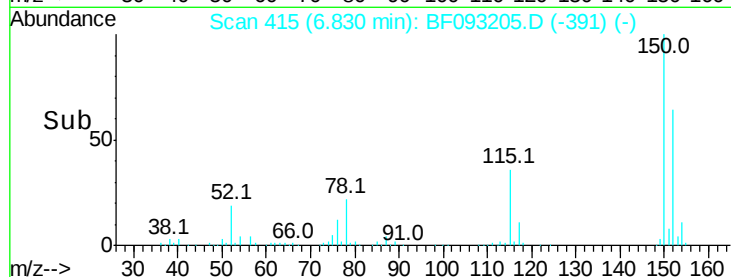
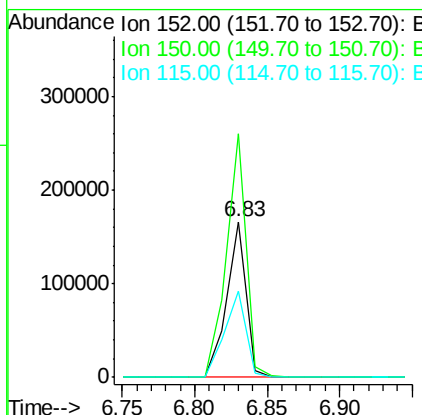
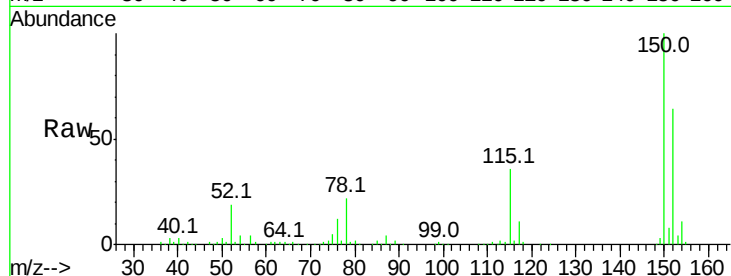
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	152	Resp:	154989
Ion Ratio	Lower	Upper	
152	100		
150	156.3	124.9	187.3
115	55.6	46.0	69.0

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#5

2-Fluorophenol

Concen: 94.81 ng

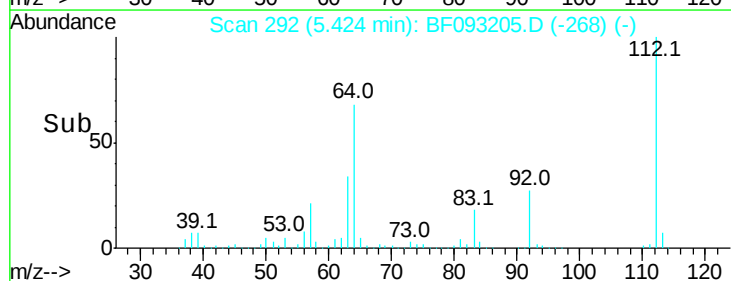
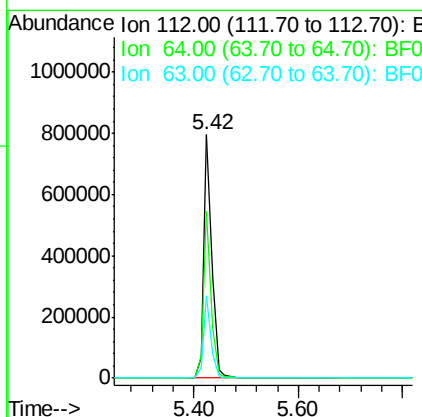
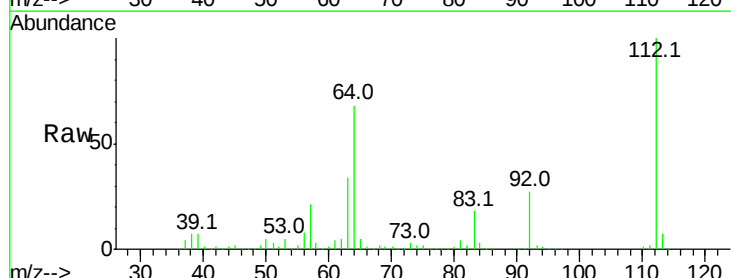
RT: 5.42 min Scan# 292

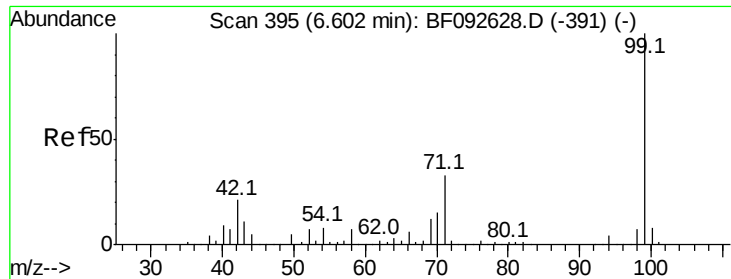
Delta R.T. -0.02 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	112	Resp:	856550
Ion Ratio	Lower	Upper	
112	100		
64	68.3	46.1	69.1
63	33.9	23.8	35.6





#7

Phenol-d6

Concen: 88.93 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion: 99 Resp: 1033714

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

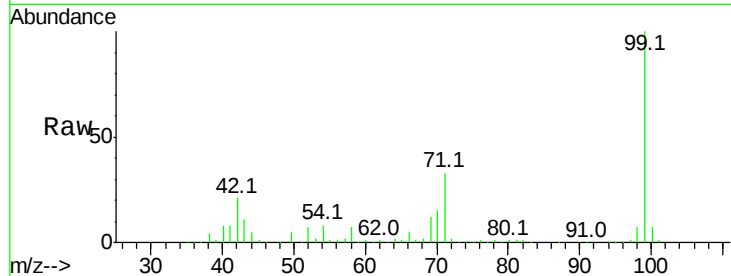
71 32.8 27.5 41.3

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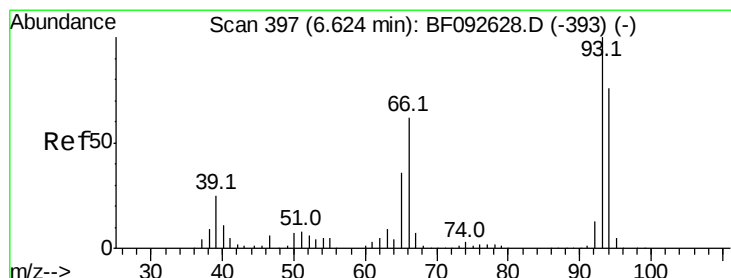
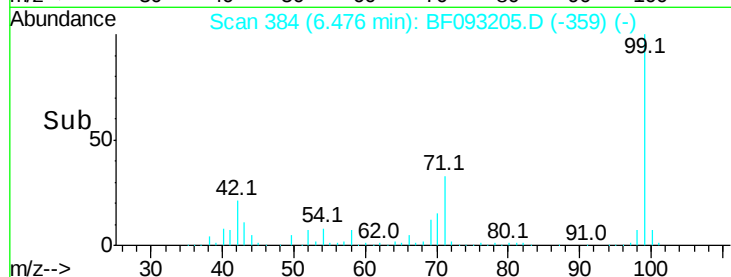
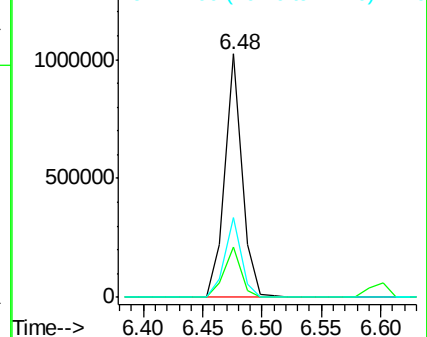
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.18 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

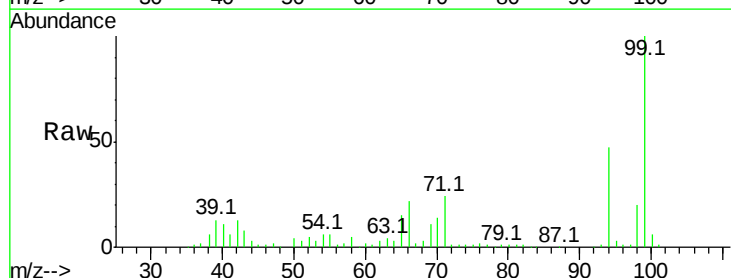
Tgt Ion: 94 Resp: 97667

Ion Ratio Lower Upper

94 100

65 31.0 21.4 61.4

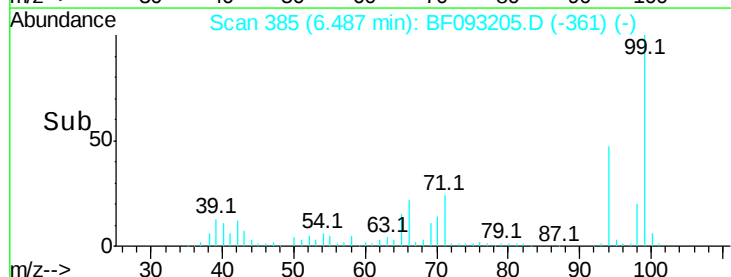
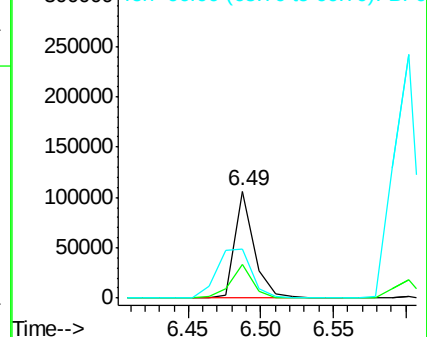
66 45.6 44.0 84.0

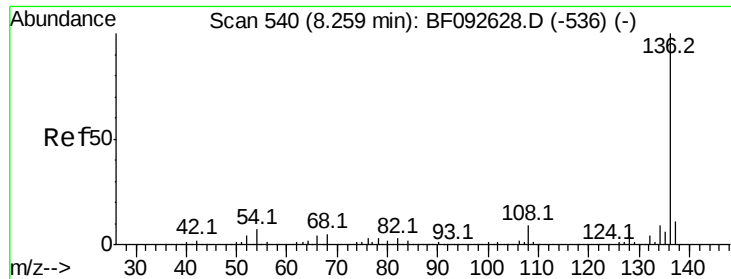


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





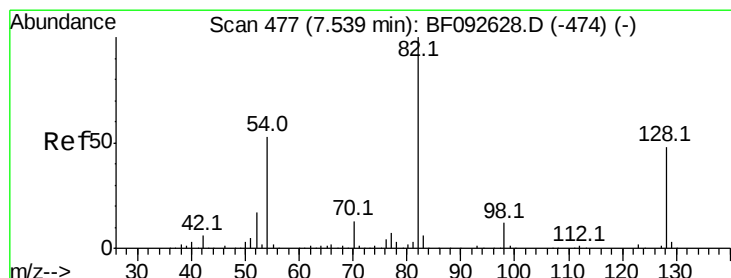
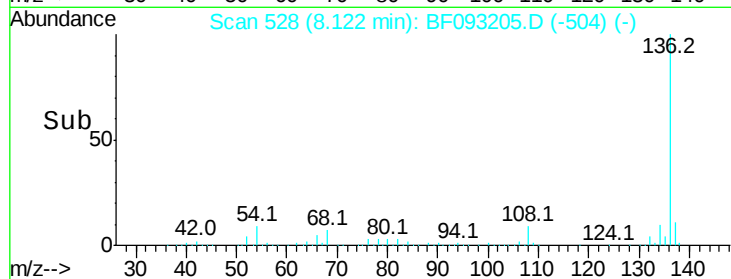
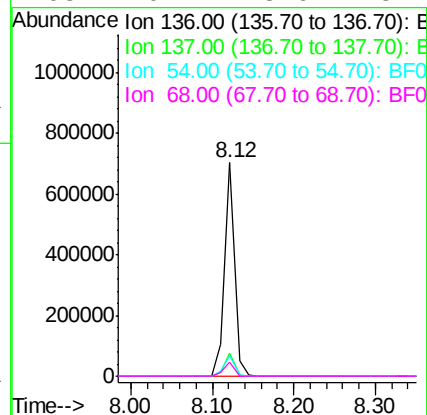
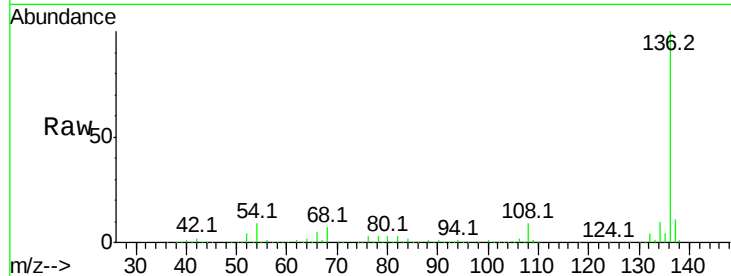
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100	597802		
137	11.0	8.4	12.6	
54	9.4	4.5	6.7#	
68	6.7	3.6	5.4#	

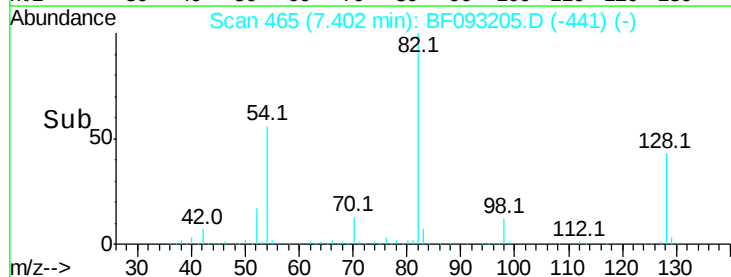
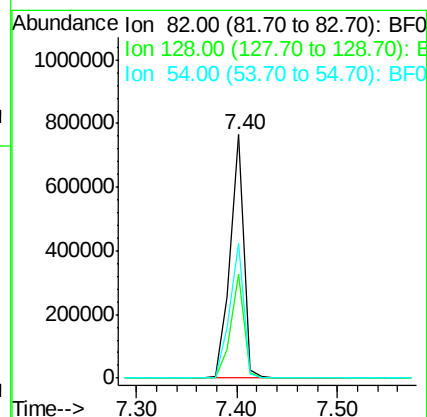
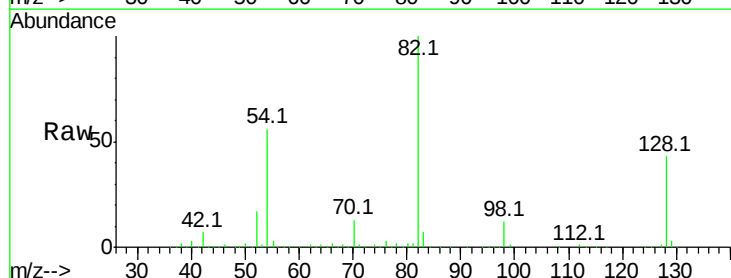
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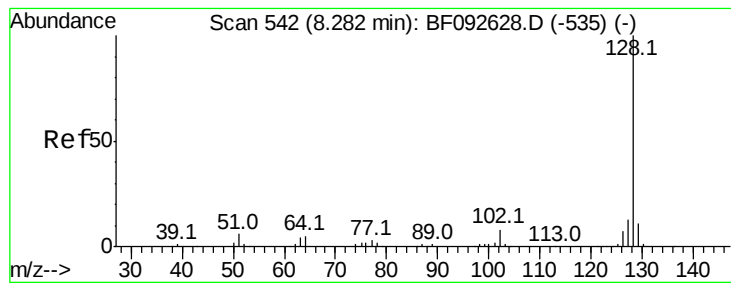
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#23
Nitrobenzene-d5
Concen: 68.06 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	730646		
128	42.7	34.6	52.0	
54	55.5	39.5	59.3	





#31

Naphthalene

Concen: 5.94 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

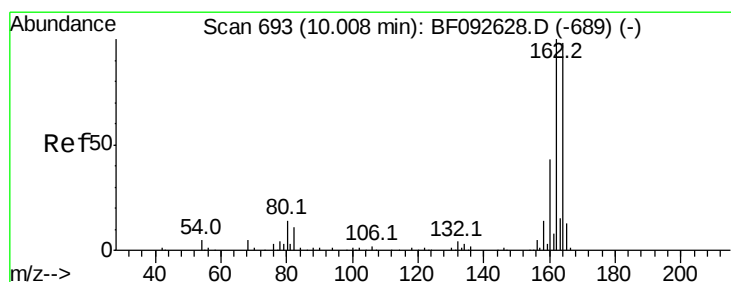
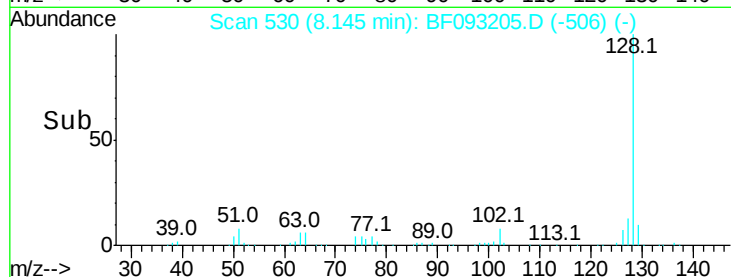
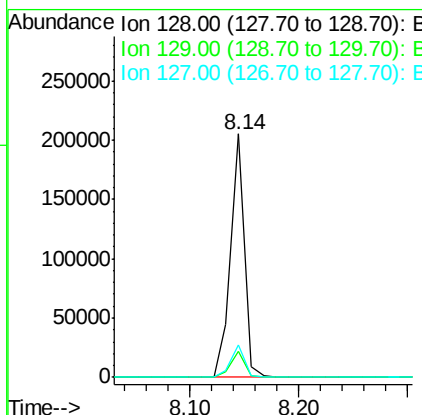
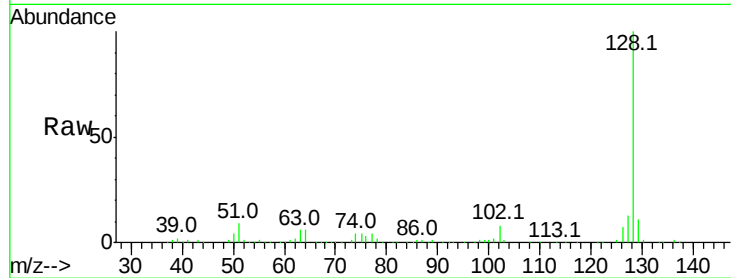
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	128	Resp:	179896
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.5	14.3
127	13.4	10.8	16.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

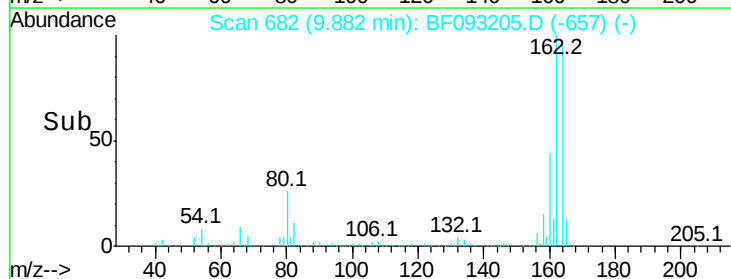
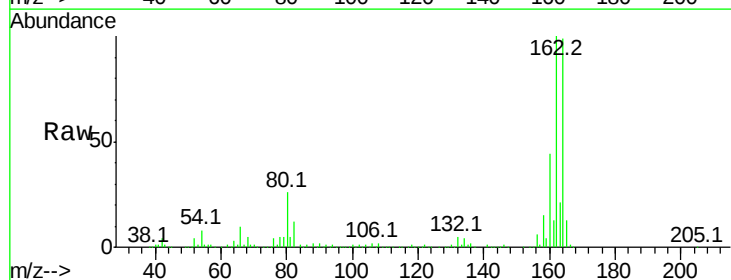
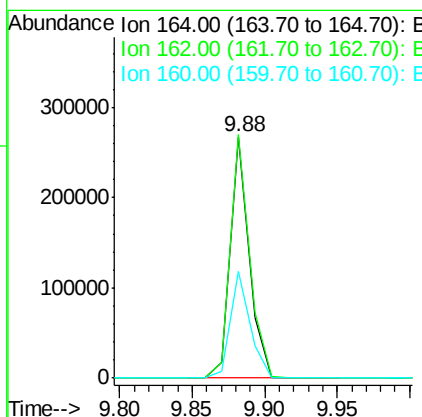
RT: 9.88 min Scan# 682

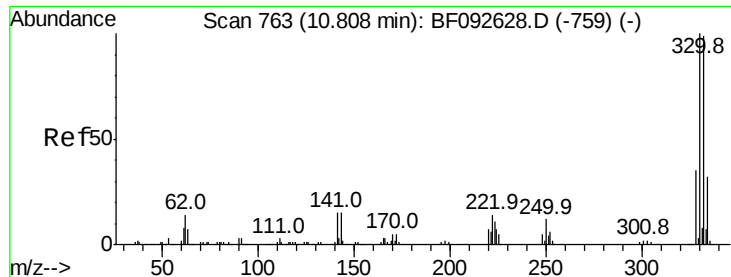
Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	164	Resp:	242773
Ion Ratio	Lower	Upper	
164	100		
162	100.7	80.2	120.2
160	44.3	36.9	55.3





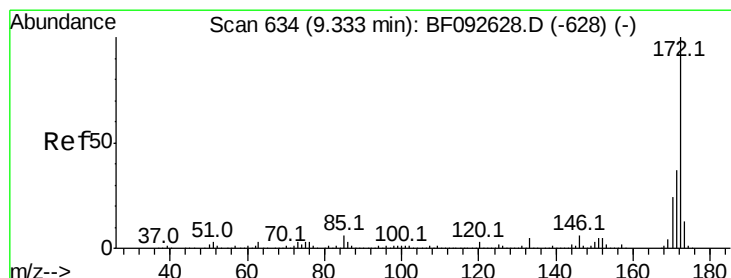
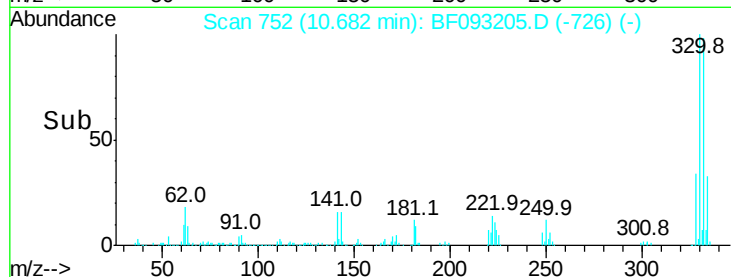
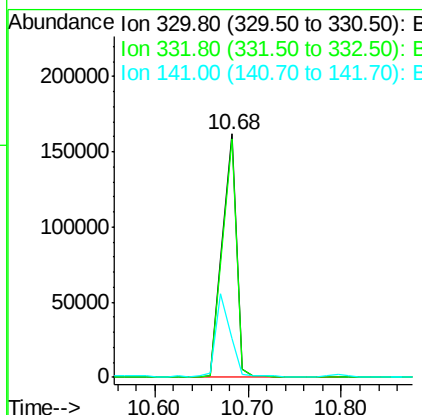
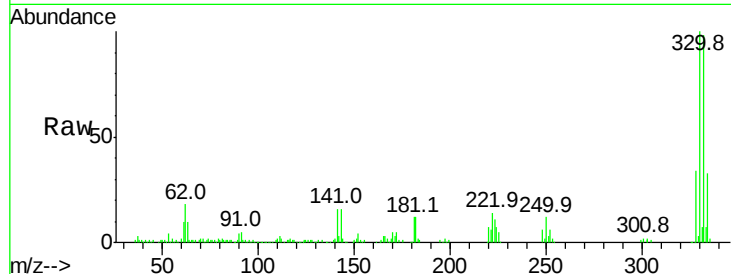
#41
 2,4,6-Tribromophenol
 Concen: 97.98 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093205.D
 Acq: 27 Feb 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	172037		
332	97.2		77.4	116.2
141	34.8		34.1	51.1

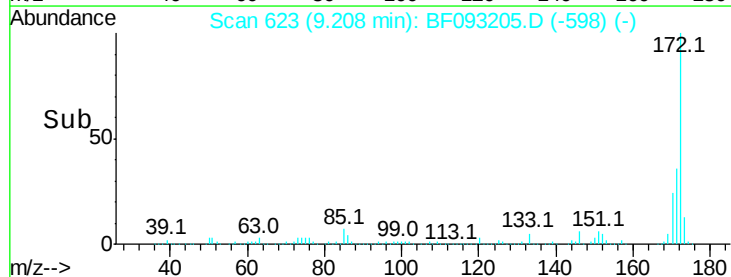
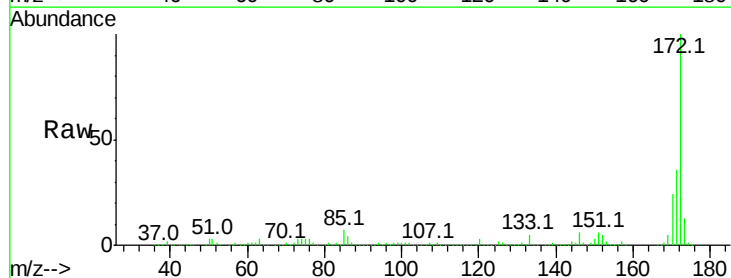
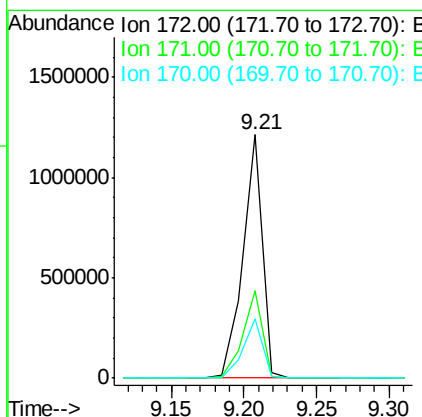
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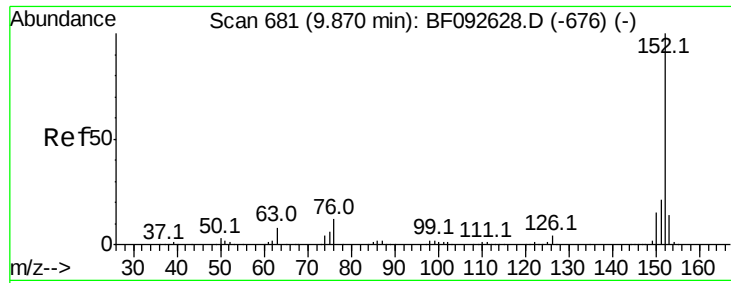
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#44
 2-Fluorobiphenyl
 Concen: 84.39 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093205.D
 Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1130894		
171	36.0		29.4	44.0
170	24.3		20.2	30.4





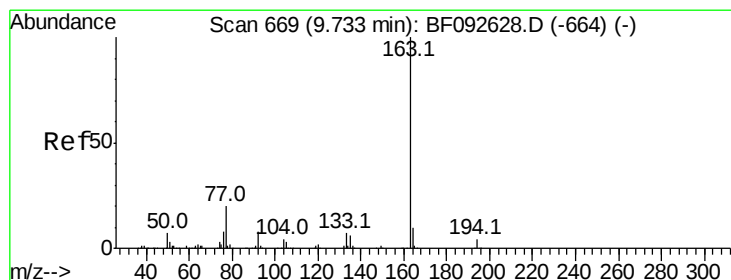
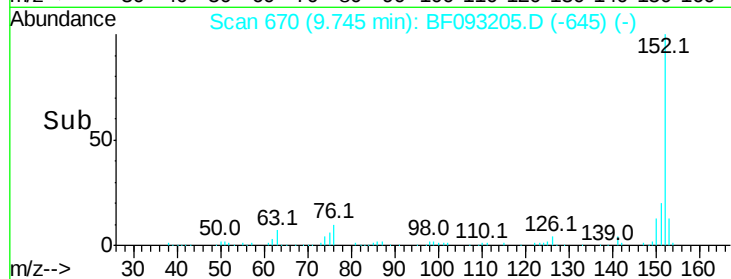
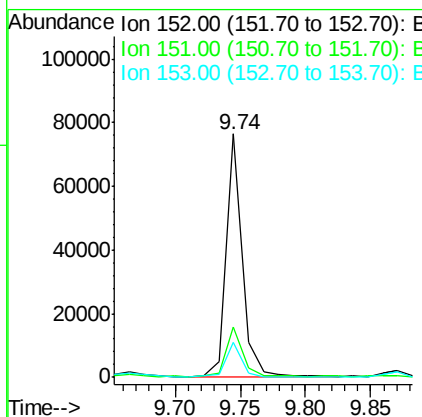
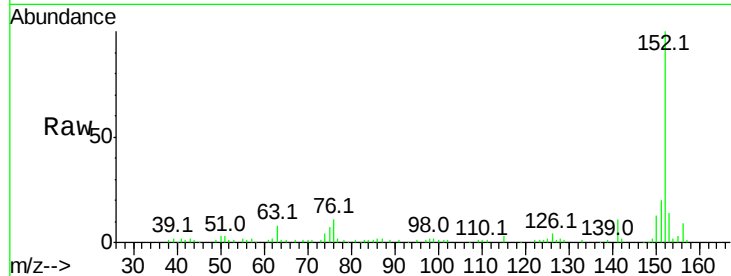
#48
Acenaphthylene
Concen: 2.82 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	14.2	11.4	17.2

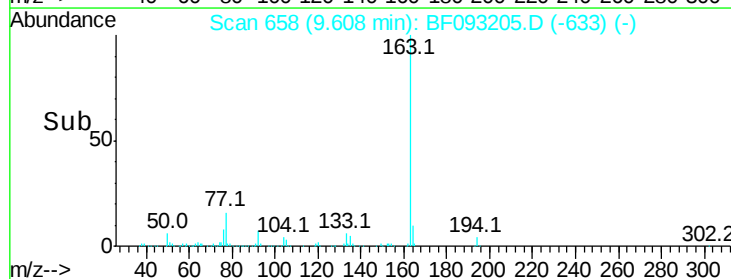
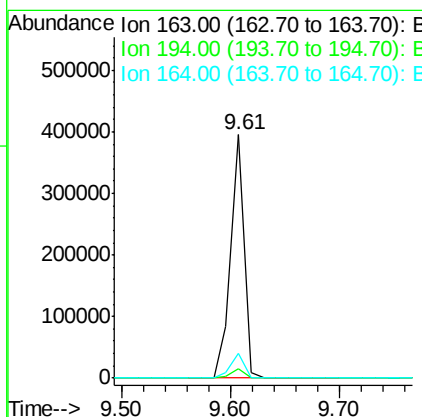
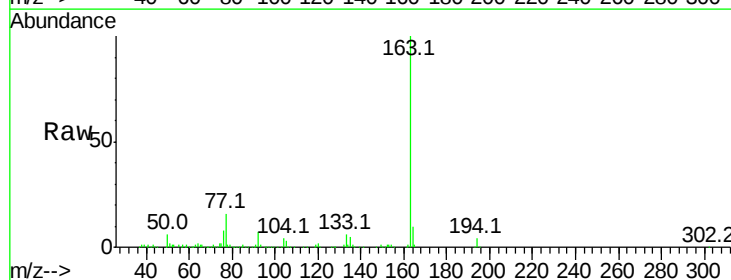
Manual Integrations
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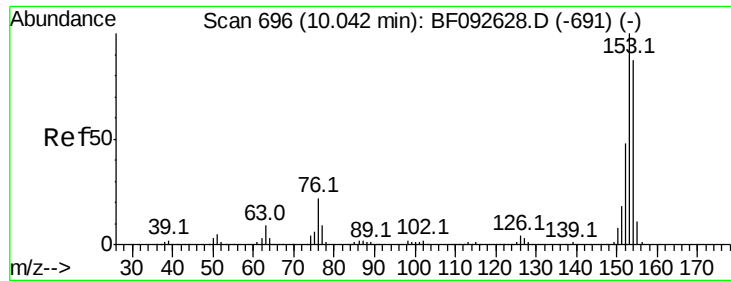
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#49
Dimethylphthalate
Concen: 20.73 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.1	8.0	12.0





#51

Acenaphthene

Concen: 7.12 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

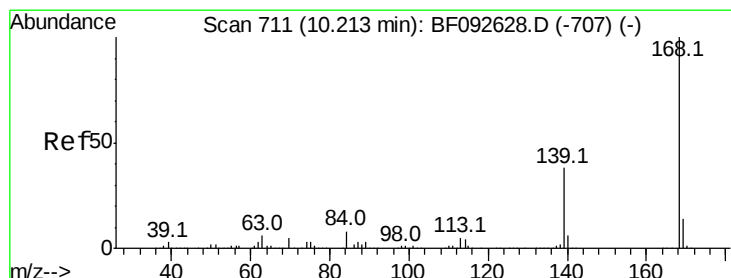
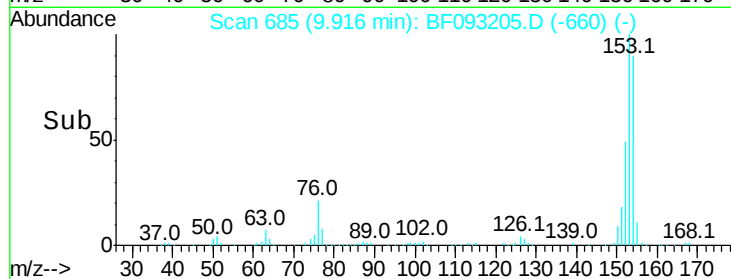
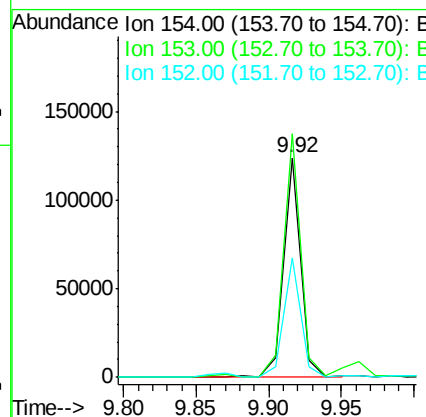
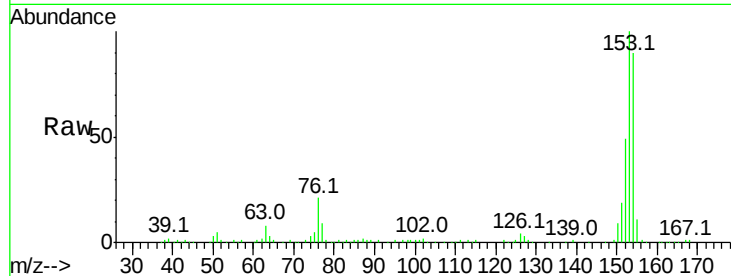
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	154	Resp:	101184
Ion Ratio	Lower	Upper	
154	100		
153	110.8	88.6	133.0
152	54.3	41.6	62.4

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#54

Dibenzofuran

Concen: 5.12 ng

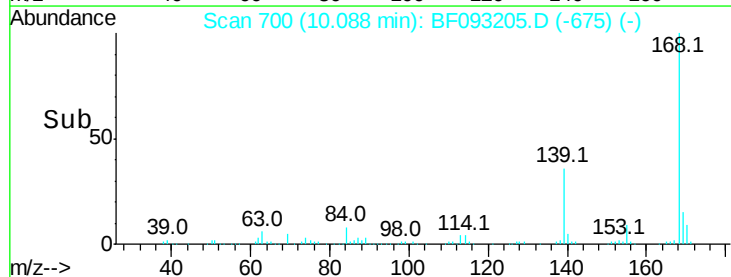
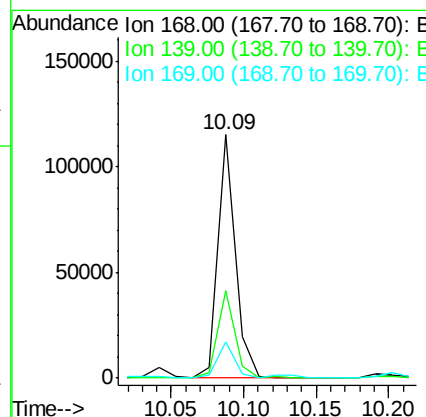
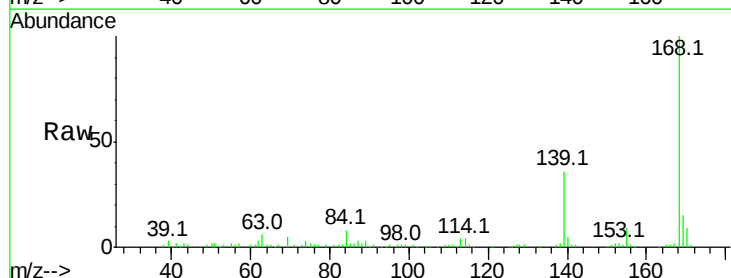
RT: 10.09 min Scan# 700

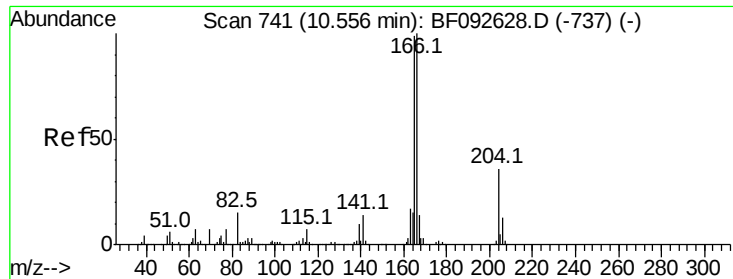
Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	168	Resp:	97305
Ion Ratio	Lower	Upper	
168	100		
139	35.8	32.6	49.0
169	14.9	11.3	16.9





#57

Fluorene

Concen: 6.82 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

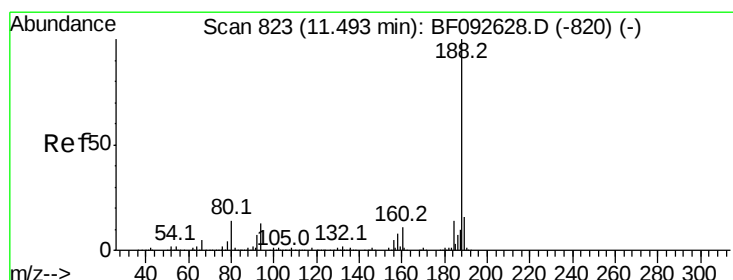
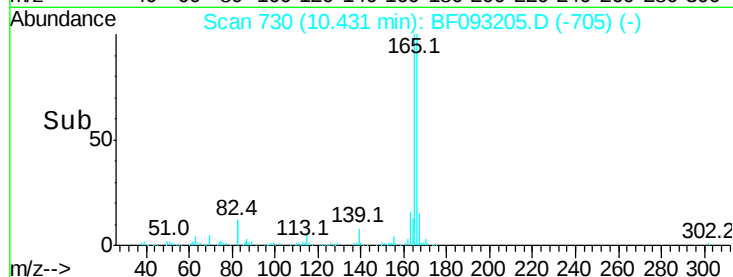
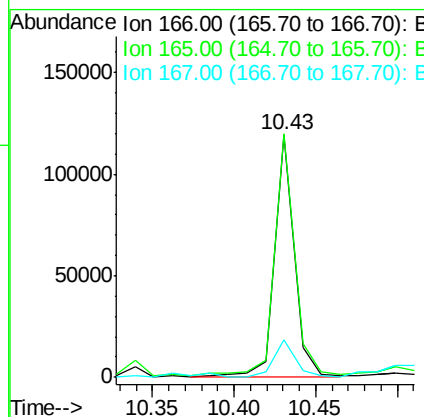
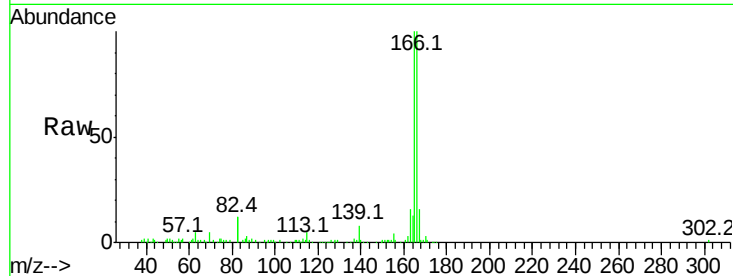
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	166	Resp:	99675
Ion Ratio	Lower	Upper	
166	100		
165	100.5	77.8	116.8
167	15.6	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

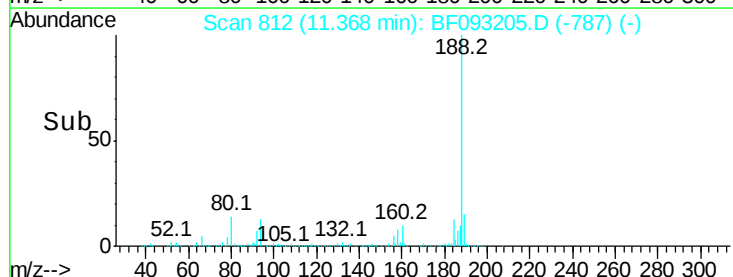
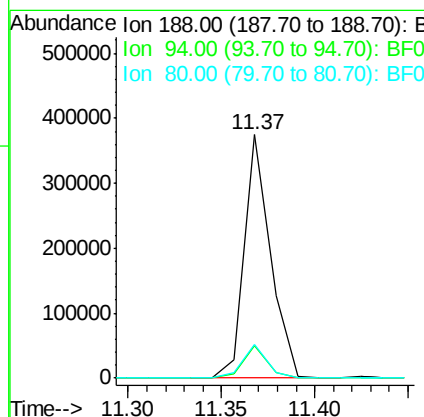
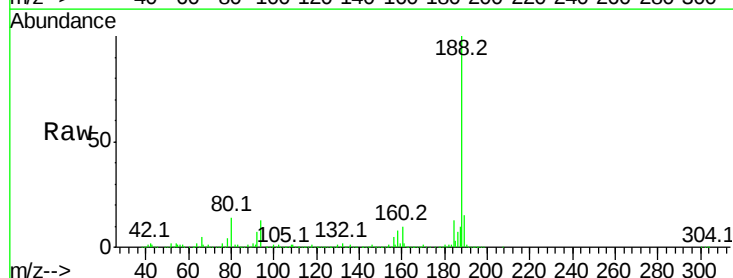
RT: 11.37 min Scan# 812

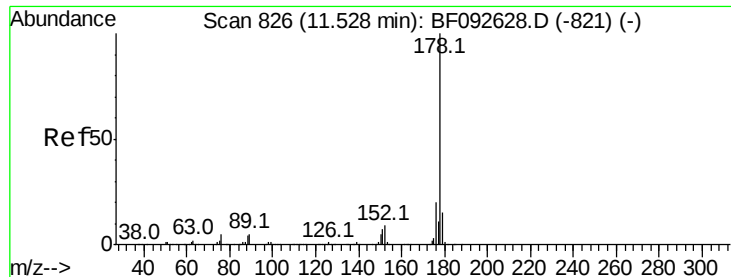
Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	188	Resp:	365179
Ion Ratio	Lower	Upper	
188	100		
94	13.2	10.0	15.0
80	13.7	11.2	16.8





#70

Phenanthrene

Concen: 60.47 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:178 Resp: 1265109

Ion Ratio Lower Upper

178 100

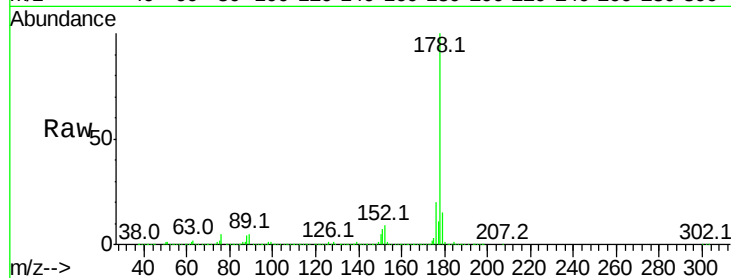
176 19.7 16.6 25.0

179 15.1 12.8 19.2

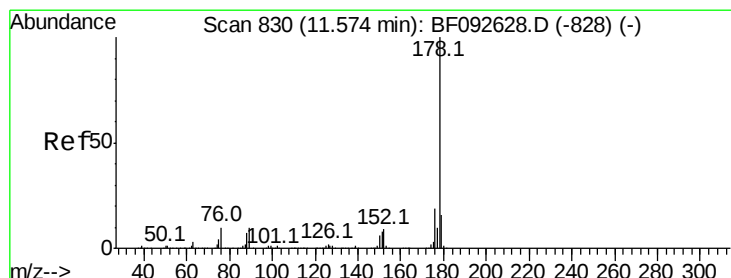
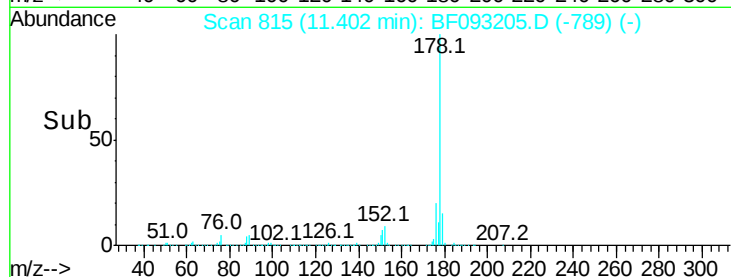
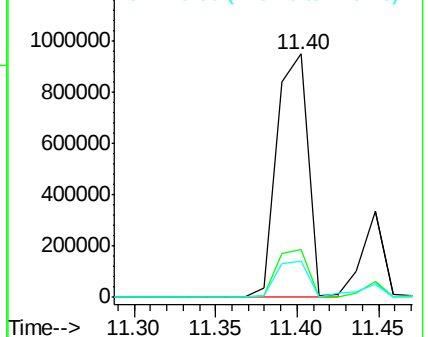
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 15.34 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:178 Resp: 322291

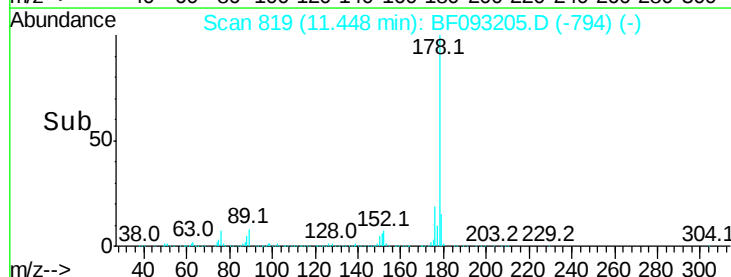
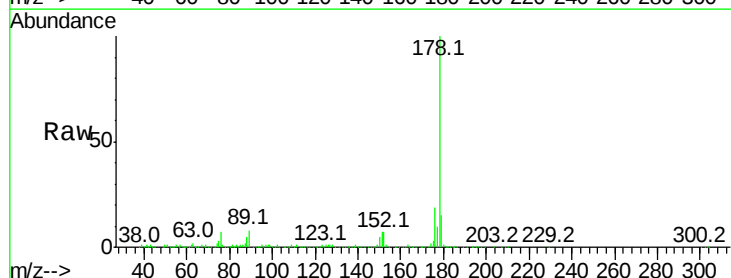
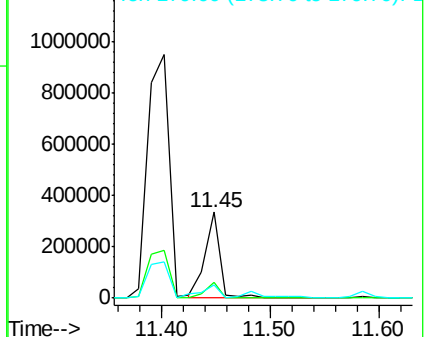
Ion Ratio Lower Upper

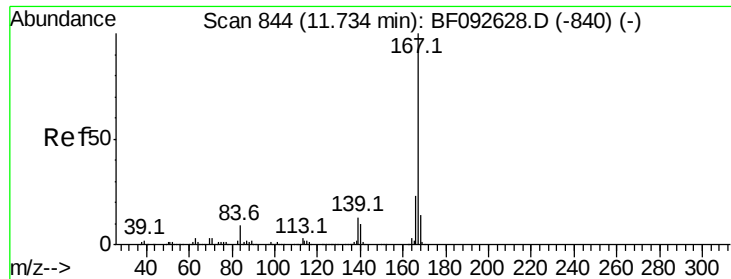
178 100

176 18.9 15.9 23.9

179 14.9 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





#72

Carbazole

Concen: 5.87 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

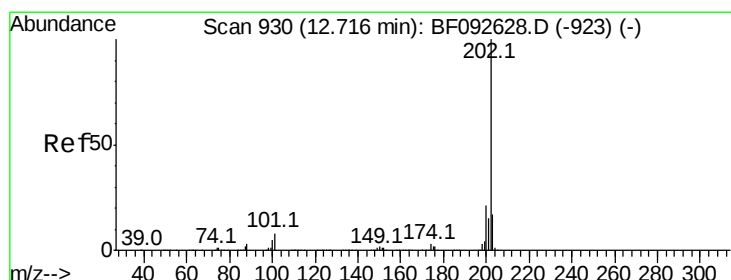
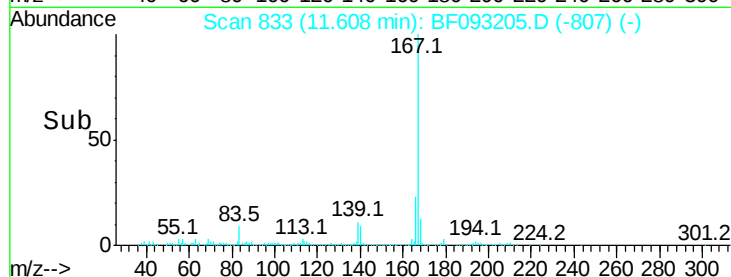
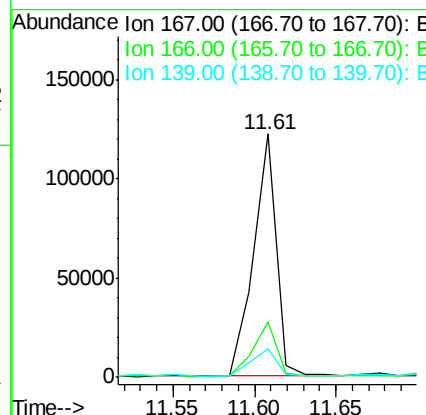
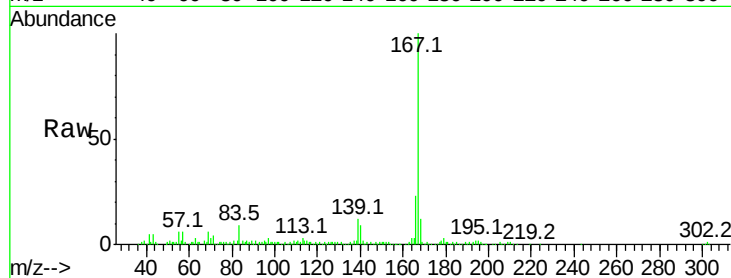
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	167	Resp:	117962
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.2	27.2
139	11.8	11.4	17.2

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#74

Fluoranthene

Concen: 67.65 ng

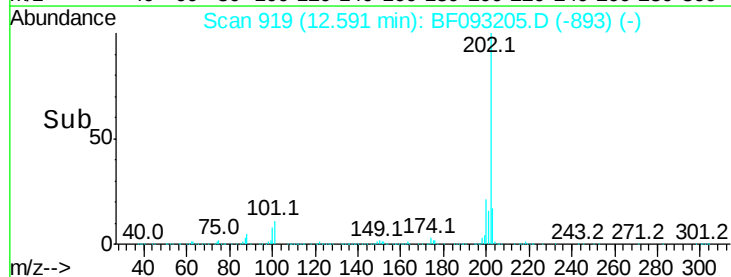
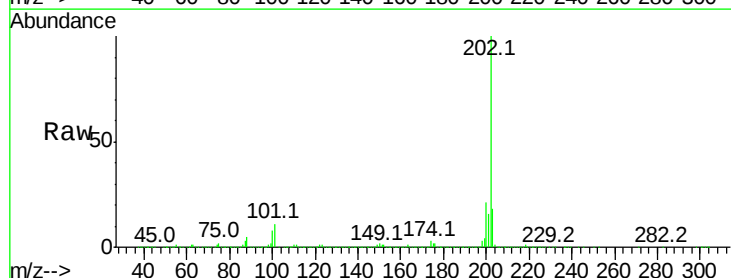
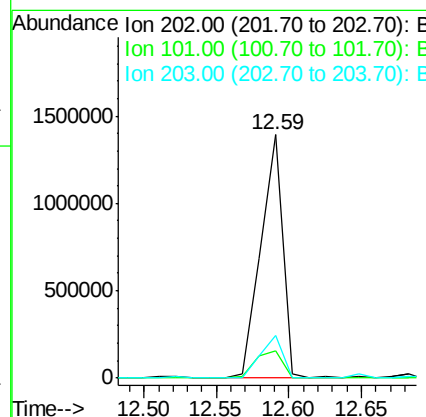
RT: 12.59 min Scan# 919

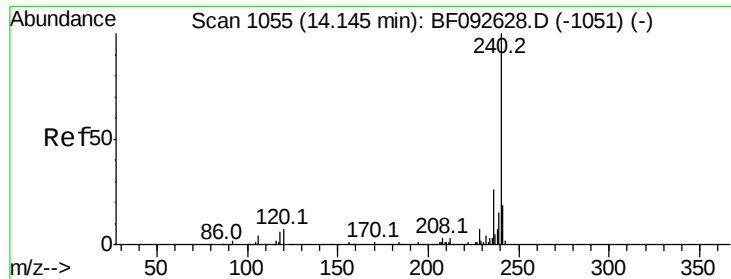
Delta R.T. 0.00 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	202	Resp:	1459821
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	34.6
203	17.5	0.0	38.7





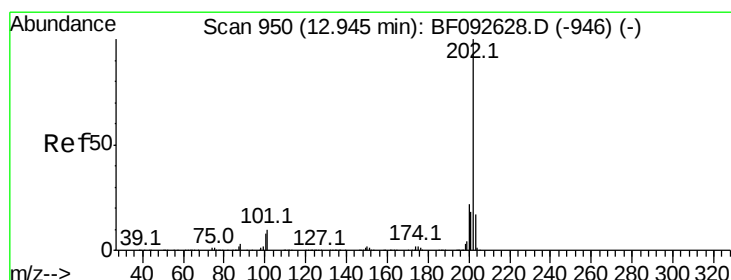
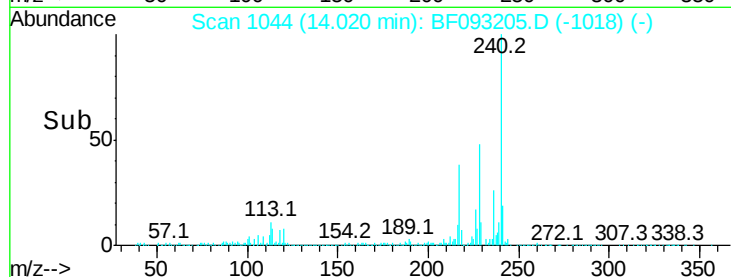
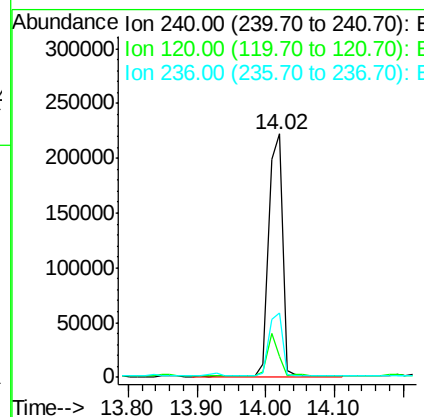
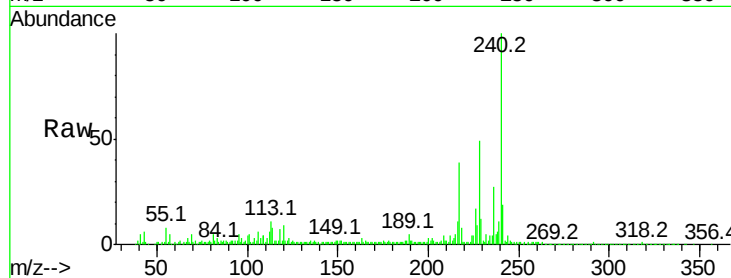
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	12.9	19.3#
236	26.7	20.9	31.3

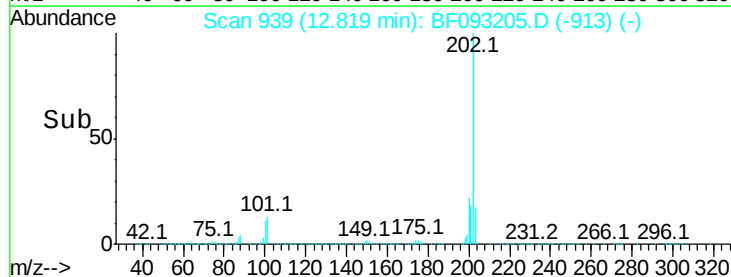
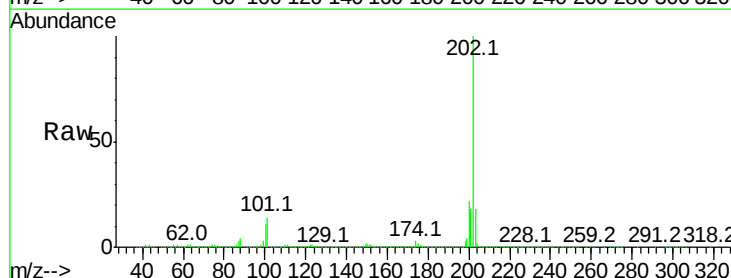
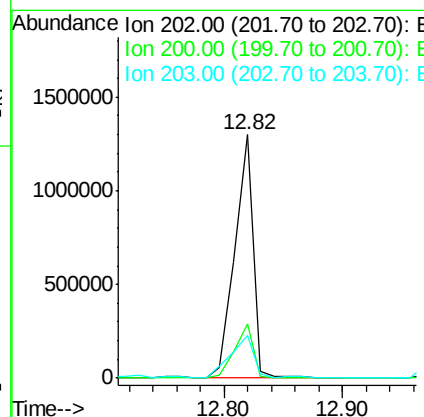
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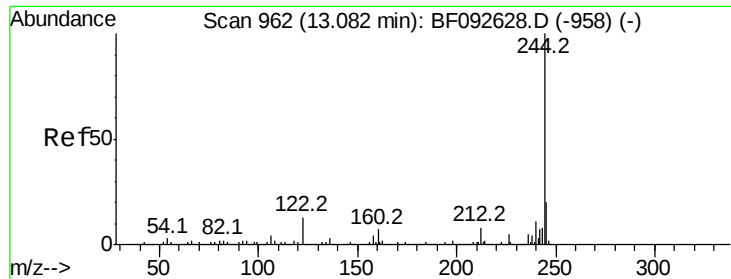
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#77
Pyrene
Concen: 60.57 ng
RT: 12.82 min Scan# 939
Delta R.T. 0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	17.6	14.7	22.1





#78

Terphenyl-d14

Concen: 53.95 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

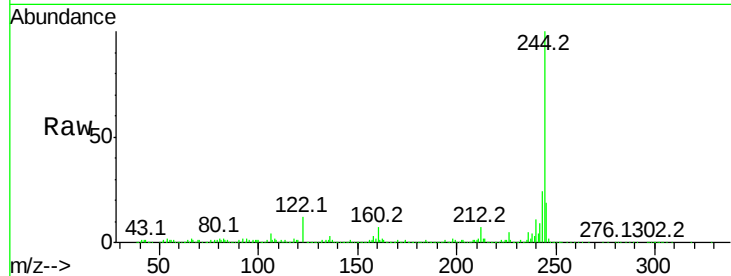
ClientSampleId :

E2-B1-B2-BASE-4

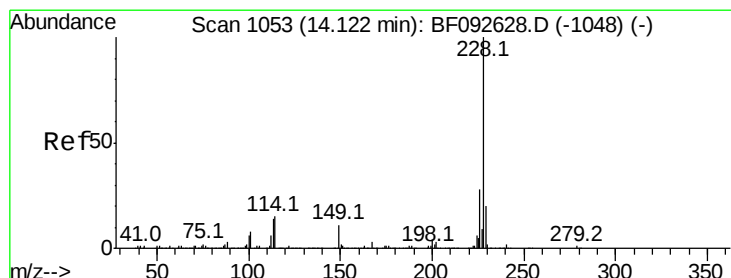
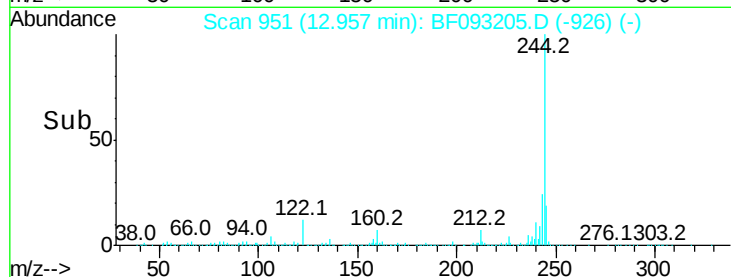
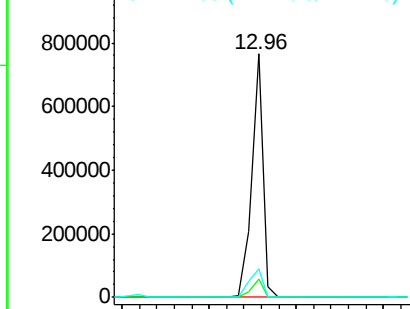
Tot Ion:	244	Resp:	699611
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	12.0	11.4	17.2

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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: 38.15 ng

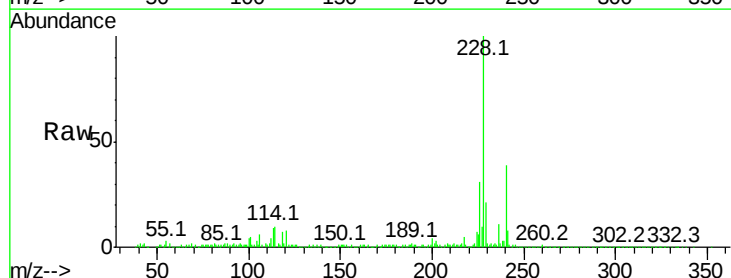
RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

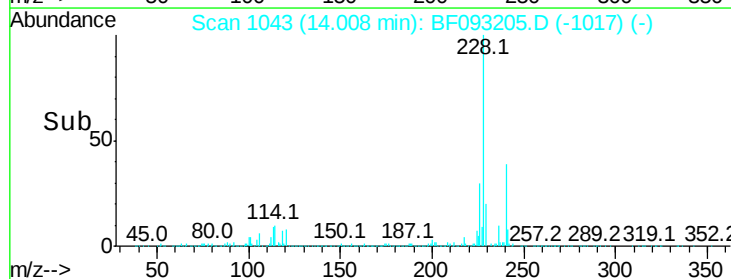
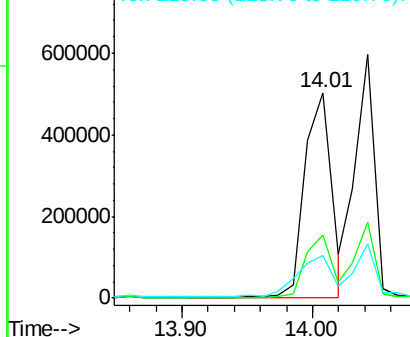
Lab File: BF093205.D

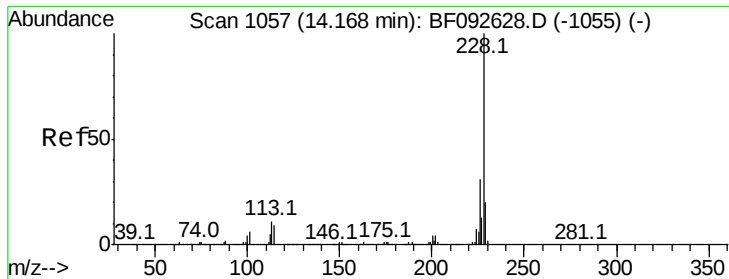
Acq: 27 Feb 2017 13:31

Tgt Ion:	228	Resp:	710838
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.4	33.6
229	20.9	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





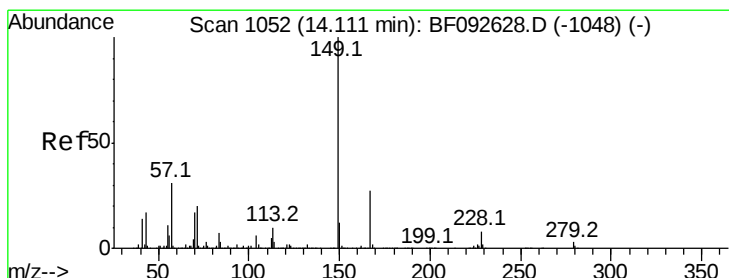
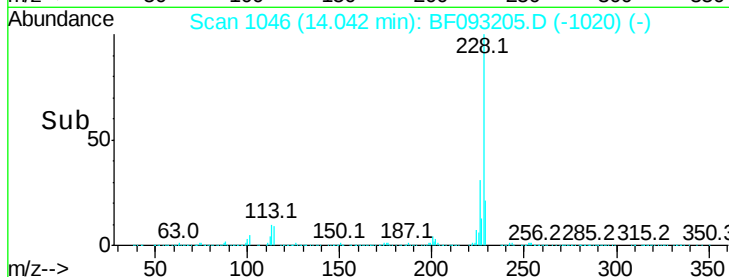
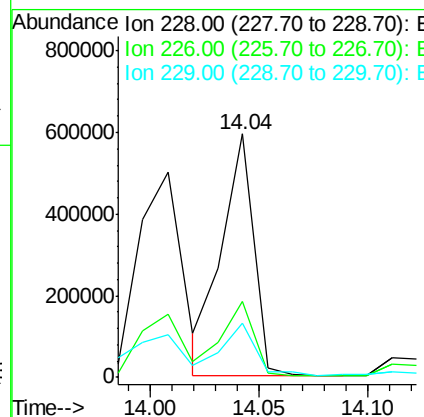
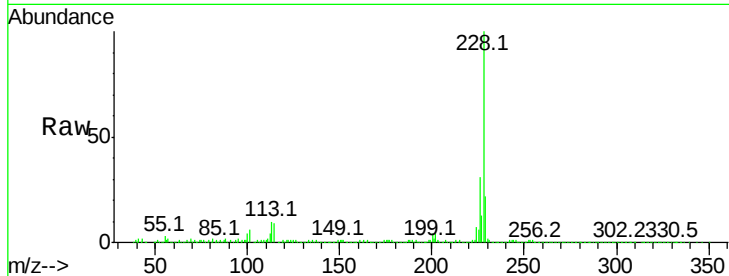
#82
Chrysene
Concen: 34.71 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	22.3	16.2	24.2

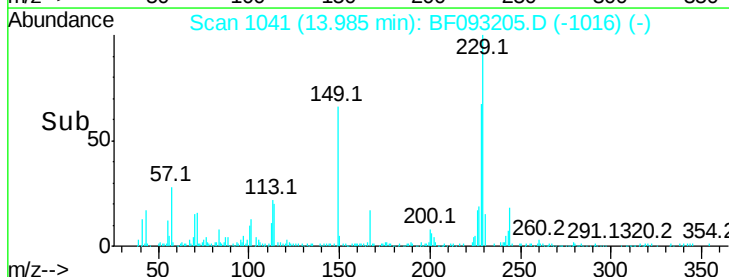
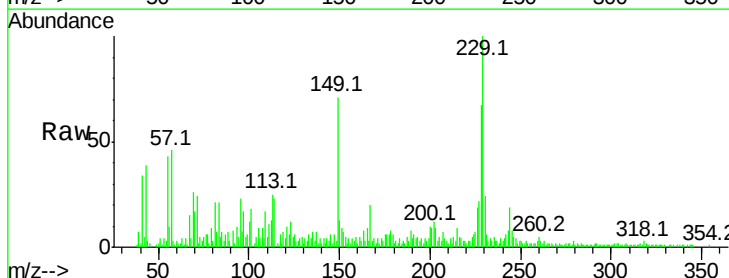
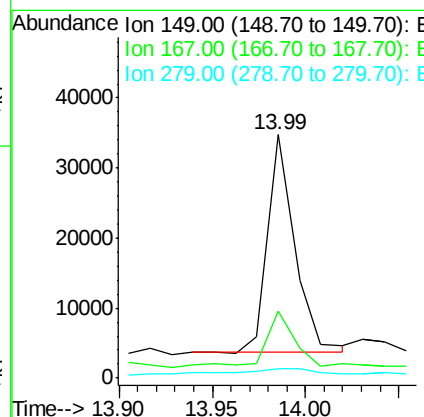
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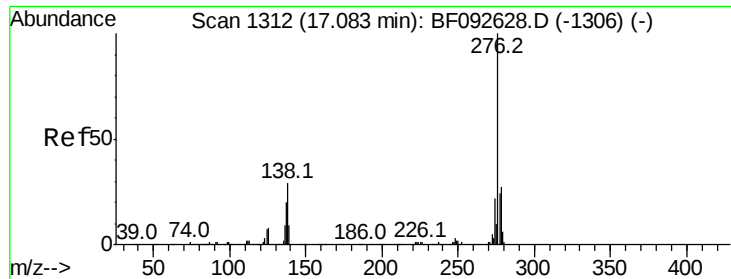
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.49 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	20.2	30.4
279	3.7	1.8	2.8#





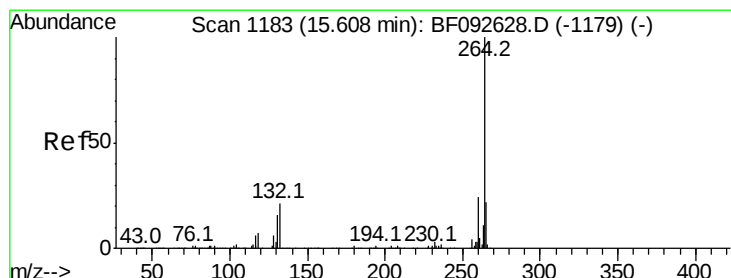
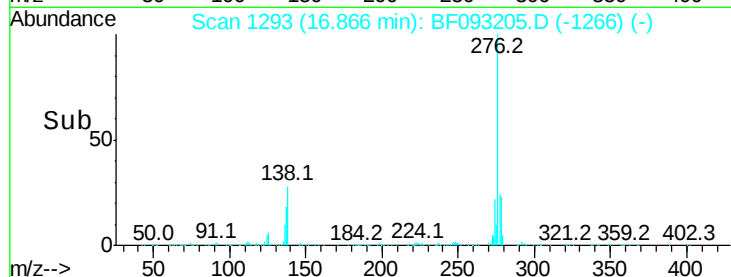
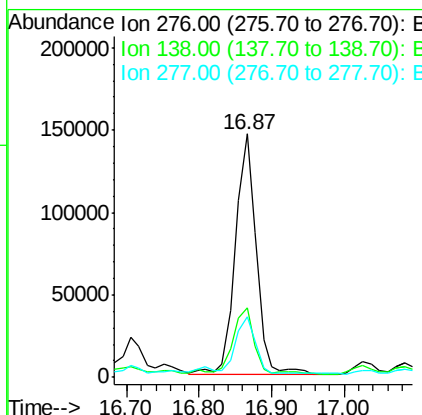
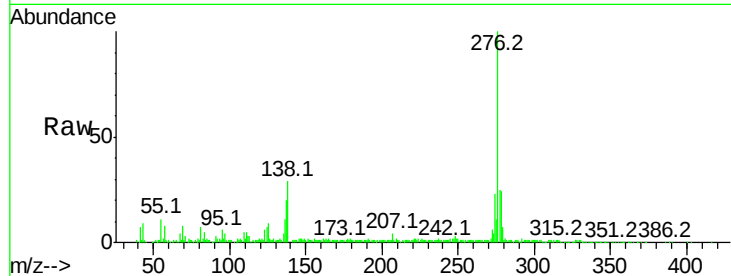
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.70 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.8	32.6
277	22.0	20.2	30.4

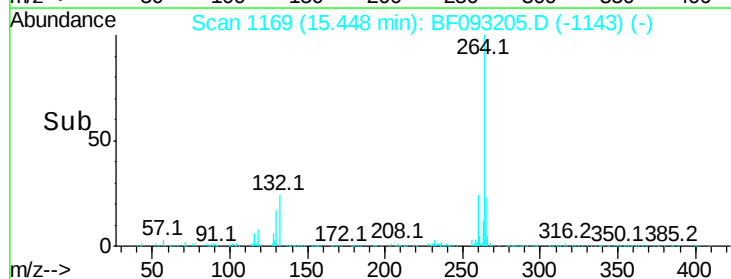
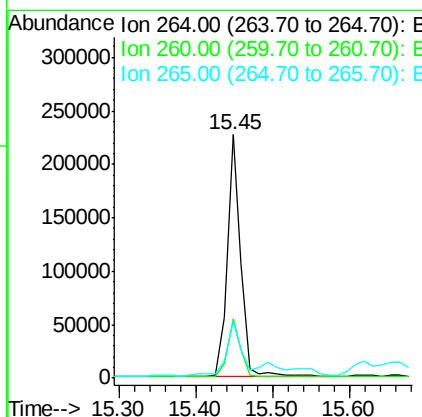
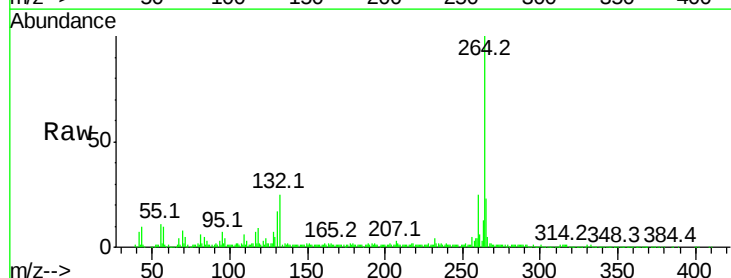
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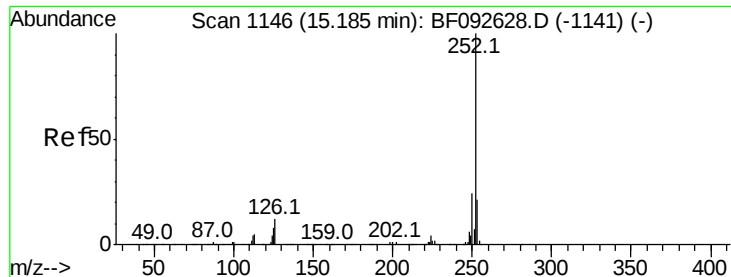
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 37.84 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Instrument :

BNA_F

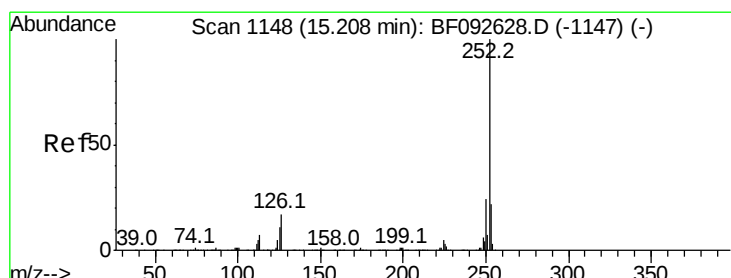
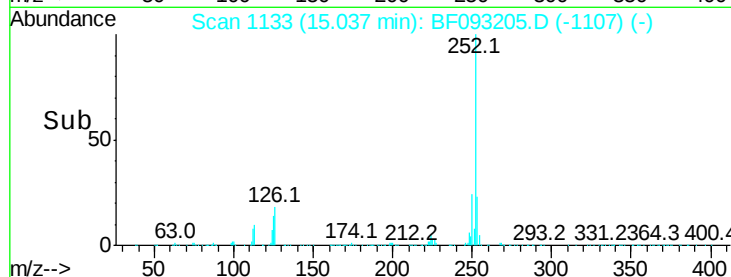
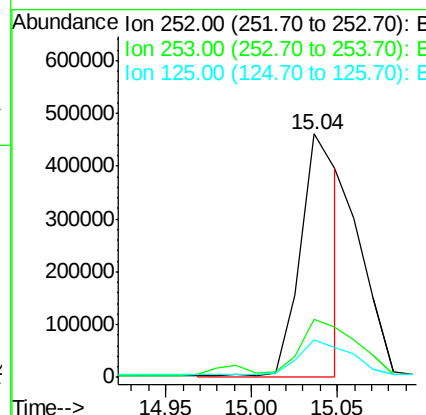
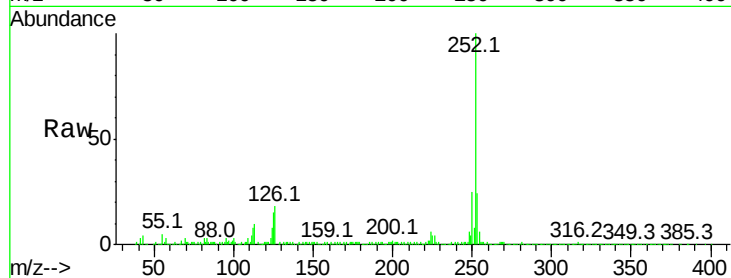
ClientSampleId :

E2-B1-B2-BASE-4

Tot Ion:	252	Resp:	708736
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.4
125	15.2	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 20.15 ng m

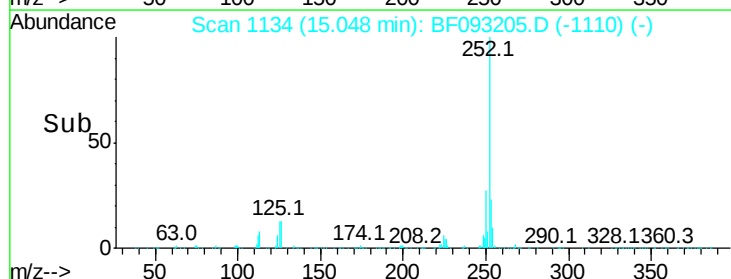
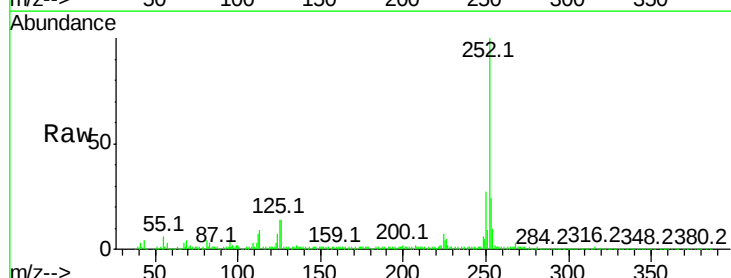
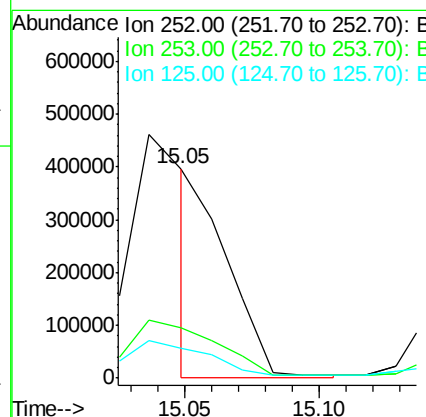
RT: 15.05 min Scan# 1134

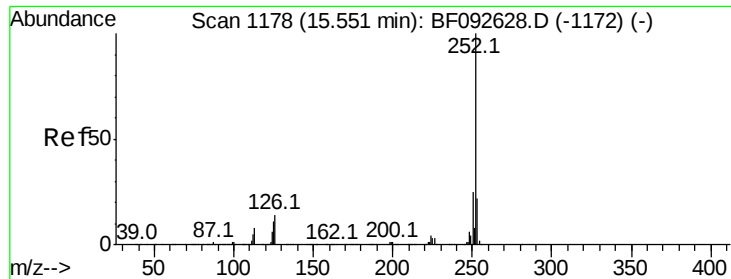
Delta R.T. -0.02 min

Lab File: BF093205.D

Acq: 27 Feb 2017 13:31

Tgt Ion:	252	Resp:	325803
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.5	27.7
125	14.3	8.9	13.3#





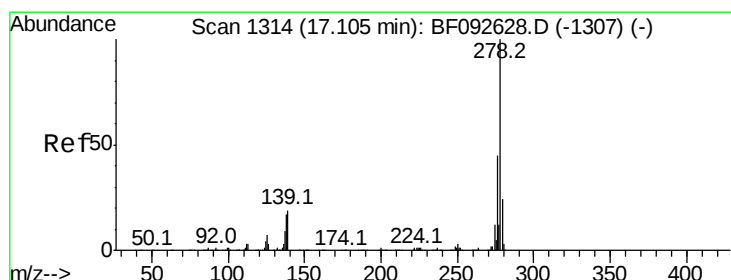
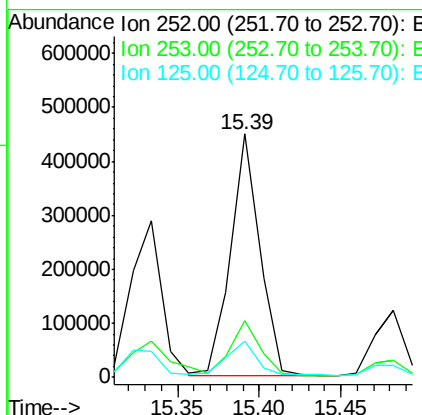
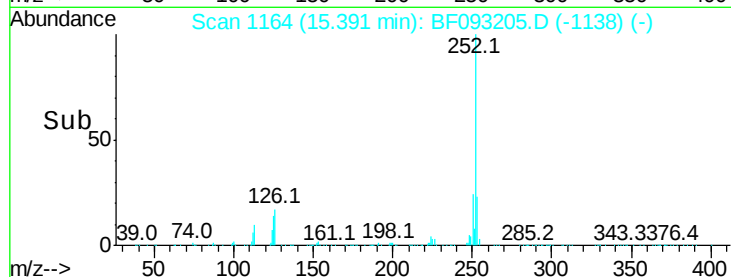
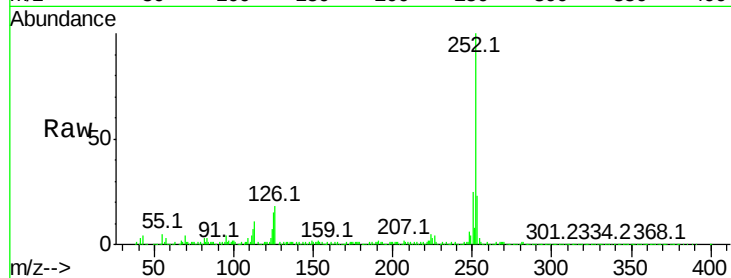
#89
Benzo(a)pyrene
Concen: 34.24 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	14.8	10.0	15.0

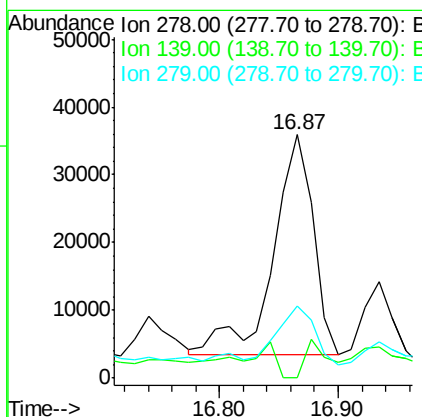
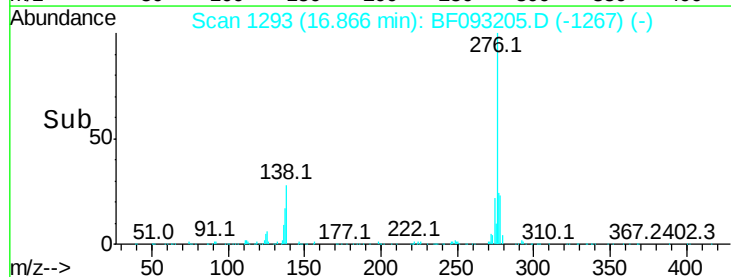
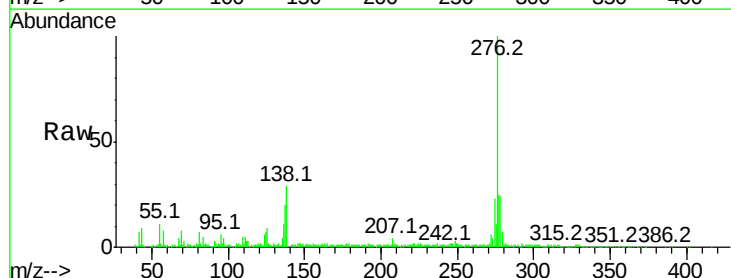
Manual Integrations
APPROVED

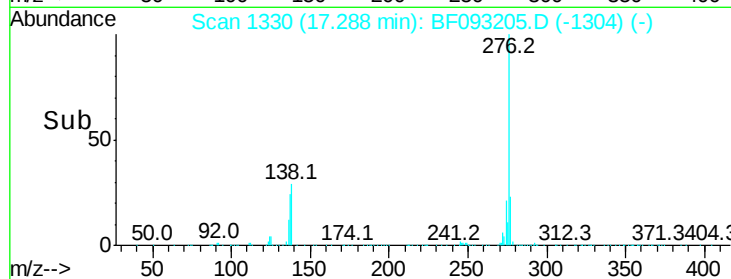
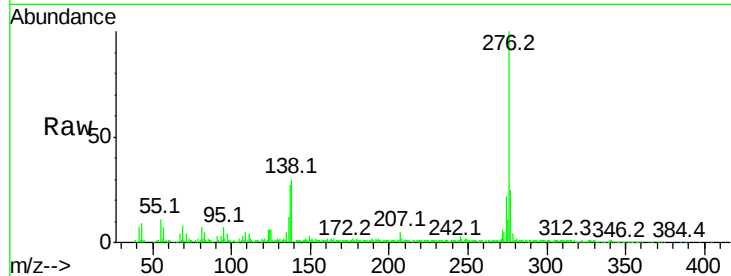
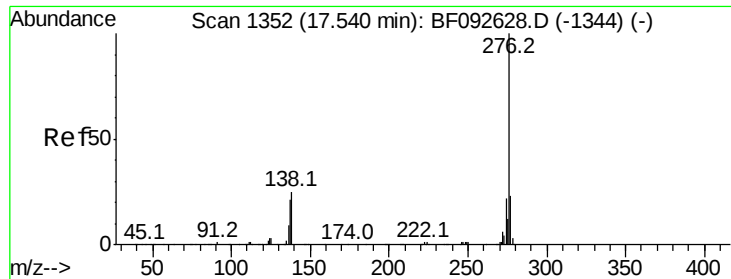
mohammad
2/28/2017 2:29:07 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.85 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	29.7	19.8	29.6#





#91
Benzo(a,h,i)perylene
Concen: 20.33 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093205.D
Acq: 27 Feb 2017 13:31

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.9	19.2	28.8
138	29.9	16.0	24.0

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:07 PM

