

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093308.D
 Acq On : 2 Mar 2017 00:00
 Operator : SJ/MA
 Sample : I2002-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(3.5-5.5)

Manual Integrations
 APPROVED

mohammad
 3/2/2017 1:42:54 PM

Quant Time: Mar 02 02:13:42 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	6.82	152	112911	20.00	ng	-0.03
21) Naphthalene-d8	8.12	136	185903	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	103919	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	324749	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	269794	20.00	ng	-0.05
86) Perylene-d12	15.40	264	270819	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	924496	140.47	ng	-0.05
7) Phenol-d6	6.46	99	1096011	129.43	ng	-0.02
23) Nitrobenzene-d5	7.39	82	581559	174.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	147556	196.32	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	511855	89.23	ng	-0.01
78) Terphenyl-d14	12.92	244	746428	65.01	ng	-0.05
Target Compounds						
10) Phenol	6.48	94	86486	8.73	ng	Qvalue 90
37) 2-Methylnaphthalene	8.86	142	1847650	305.36	ng	98
51) Acenaphthene	9.92	154	42953m	7.06	ng	
57) Fluorene	10.43	166	236566	37.81	ng	# 63
70) Phenanthrene	11.37	178	351174	18.87	ng	97
74) Fluoranthene	12.55	202	162818	8.48	ng	98
77) Pyrene	12.77	202	160602	7.95	ng	99
80) Benzo(a)anthracene	13.96	228	78909m	4.78	ng	
82) Chrysene	14.00	228	76762m	4.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	68325	5.71	ng	# 88
87) Benzo(b)fluoranthene	14.99	252	102412m	5.75	ng	
88) Benzo(k)fluoranthene	15.00	252	50649m	3.29	ng	
89) Benzo(a)pyrene	15.35	252	87177	5.65	ng	# 85
91) Benzo(a,h,i)perylene	17.22	276	66705	5.30	ng	# 87

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

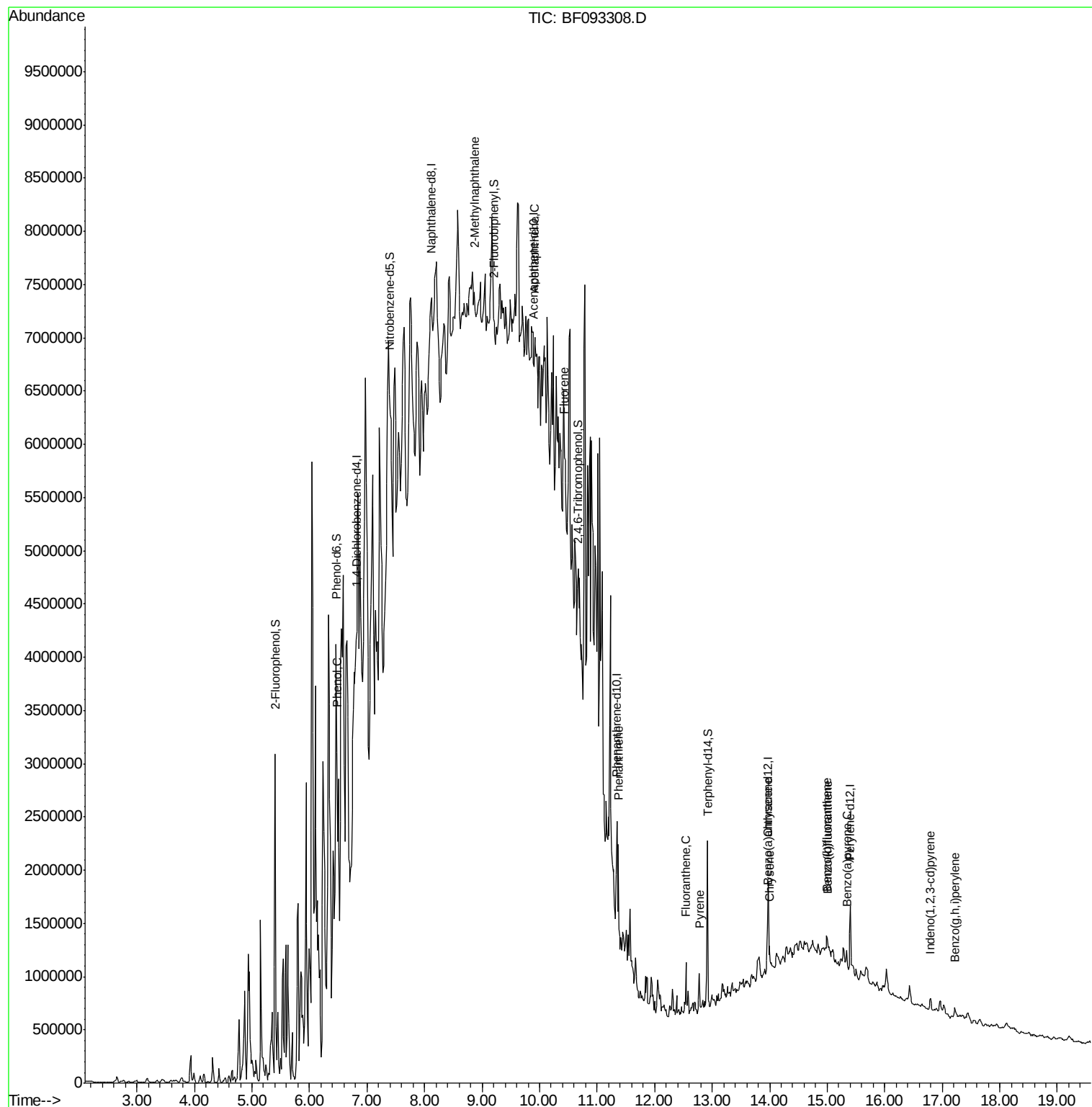
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
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ALS Vial : 22 Sample Multiplier: 1

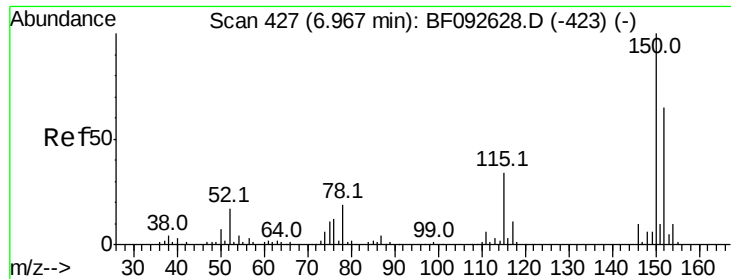
Instrument :
BNA_F
ClientSampleId :
SSP-7(3.5-5.5)

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Quant Time: Mar 02 02:13:42 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
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

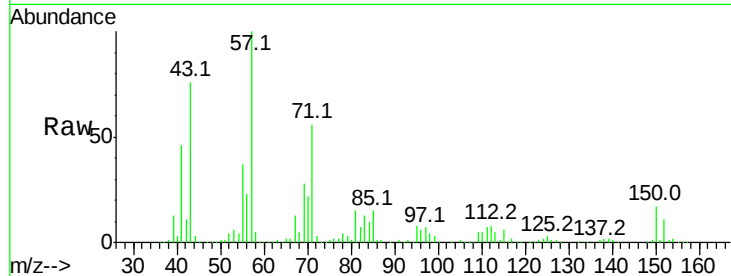
ClientSampleId :

SSP-7(3.5-5.5)

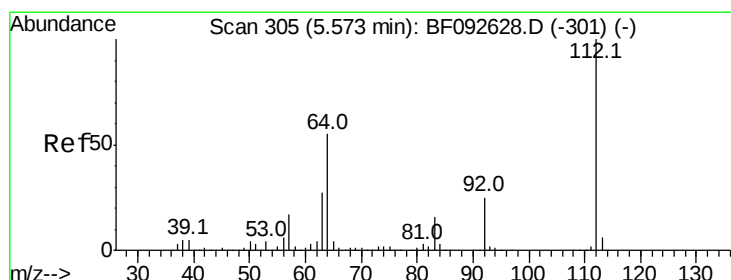
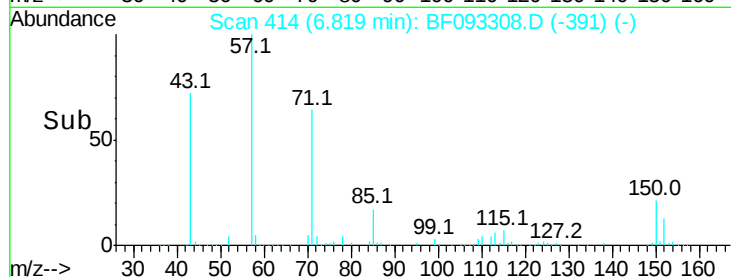
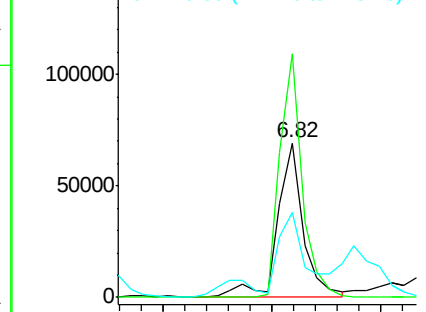
Tot Ion:	152	Resp:	112911
Ion Ratio	Lower	Upper	
152	100		
150	157.6	124.9	187.3
115	55.2	46.0	69.0

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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: 140.47 ng

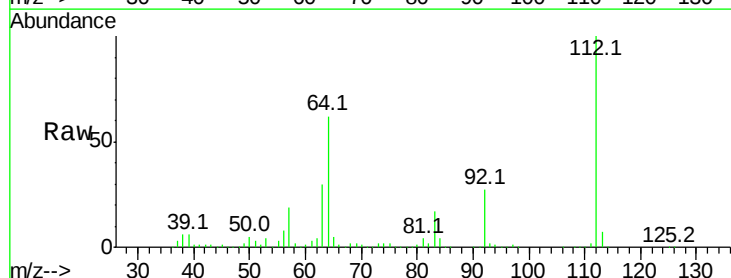
RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

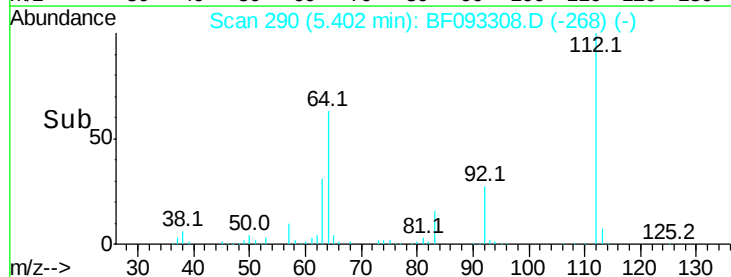
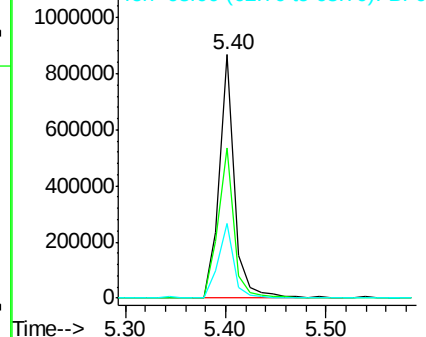
Lab File: BF093308.D

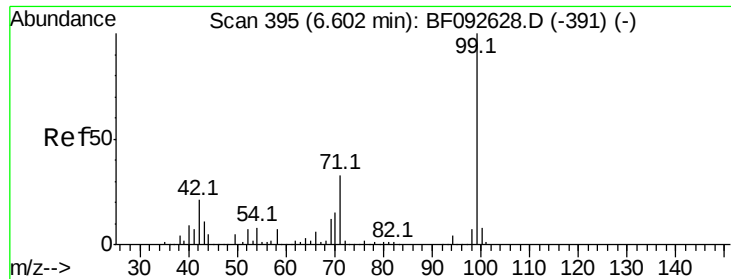
Acq: 2 Mar 2017 00:00

Tgt Ion:	112	Resp:	924496
Ion Ratio	Lower	Upper	
112	100		
64	61.7	46.1	69.1
63	30.4	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: 129.43 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion: 99 Resp: 1096011

Ion Ratio Lower Upper

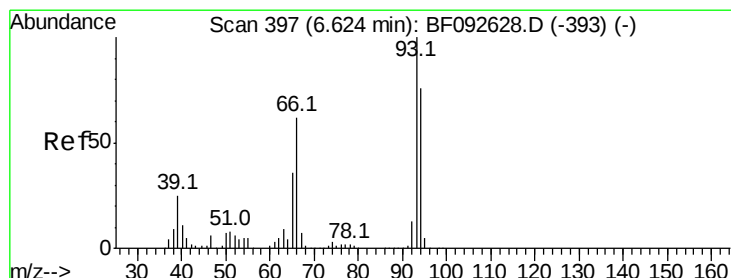
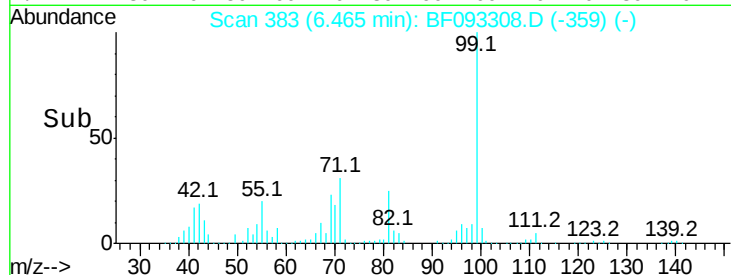
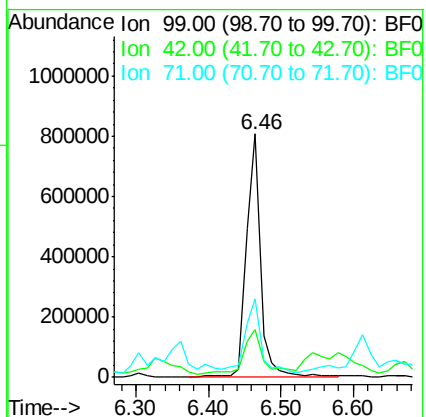
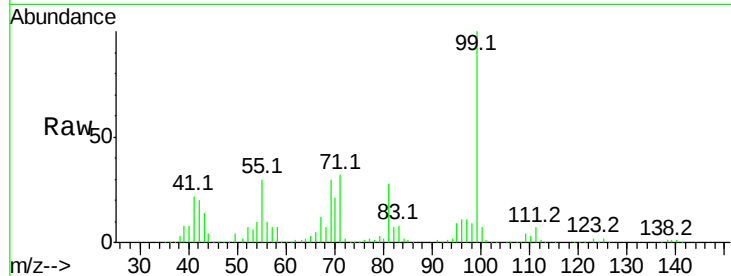
99 100

42 19.8 15.6 23.4

71 32.3 27.5 41.3

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#10

Phenol

Concen: 8.73 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

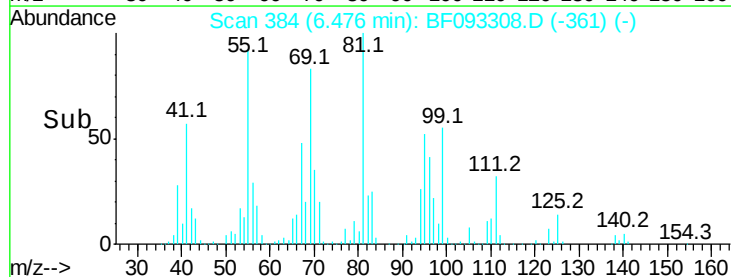
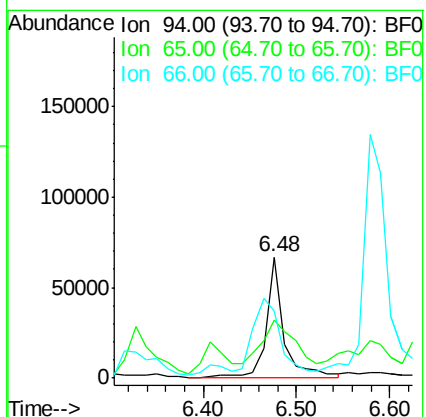
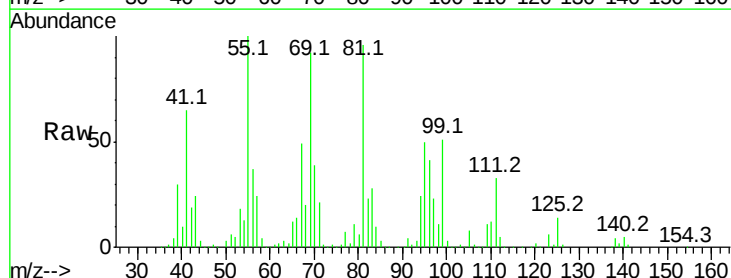
Tgt Ion: 94 Resp: 86486

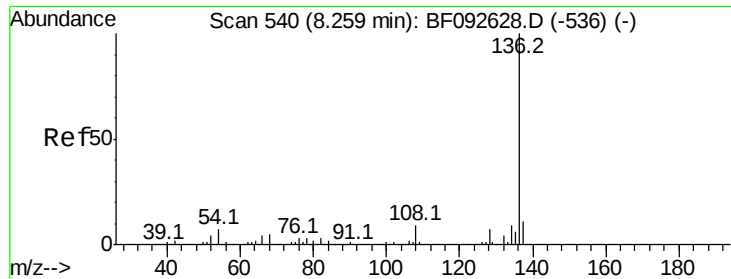
Ion Ratio Lower Upper

94 100

65 47.3 21.4 61.4

66 55.3 44.0 84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:136 Resp: 185903
Ion Ratio Lower Upper

136 100

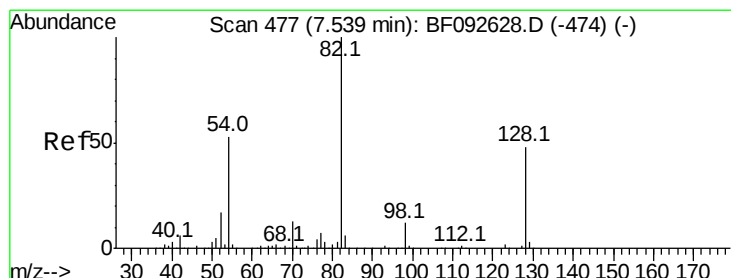
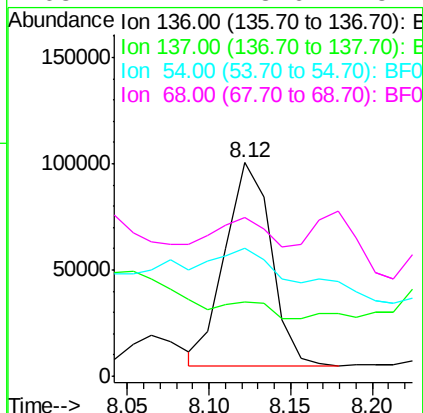
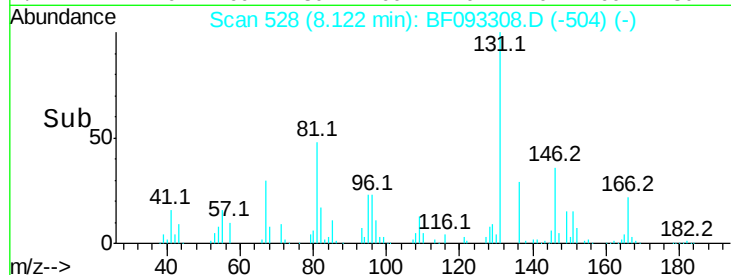
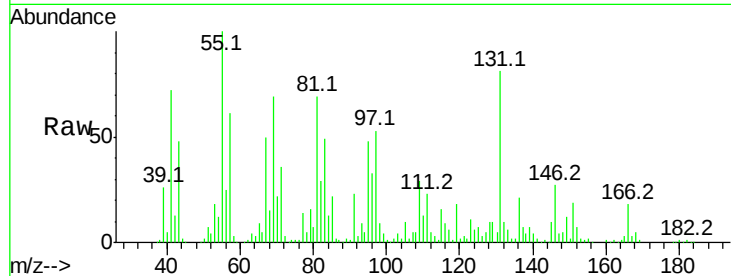
137 35.0 8.4 12.6#

54 59.7 4.5 6.7#

68 74.4 3.6 5.4#

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#23

Nitrobenzene-d5

Concen: 174.21 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.03 min

Lab File: BF093308.D

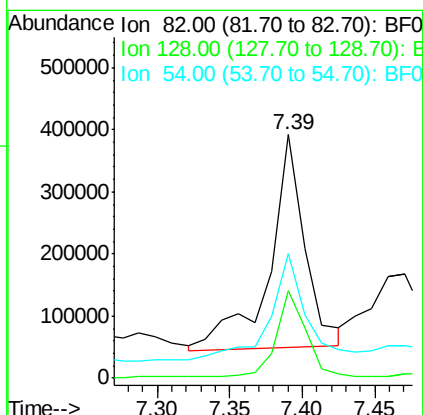
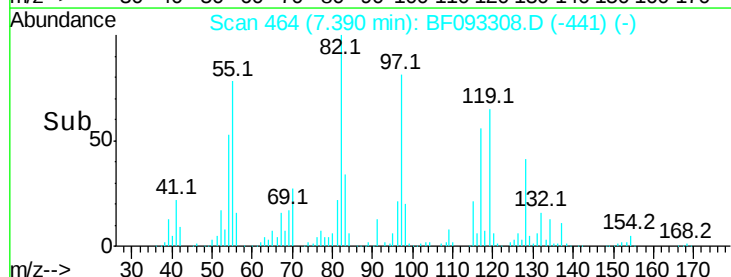
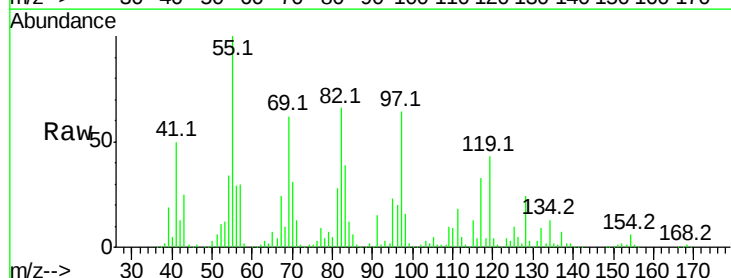
Acq: 2 Mar 2017 00:00

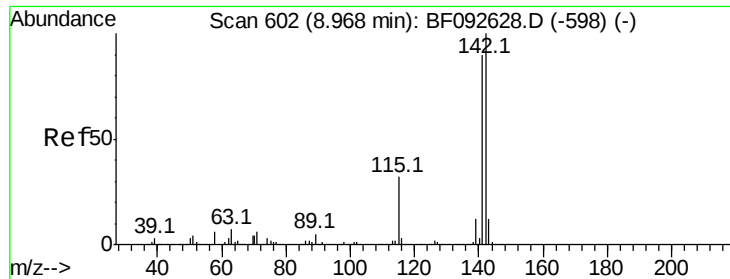
Tgt Ion: 82 Resp: 581559
Ion Ratio Lower Upper

82 100

128 36.1 34.6 52.0

54 51.3 39.5 59.3





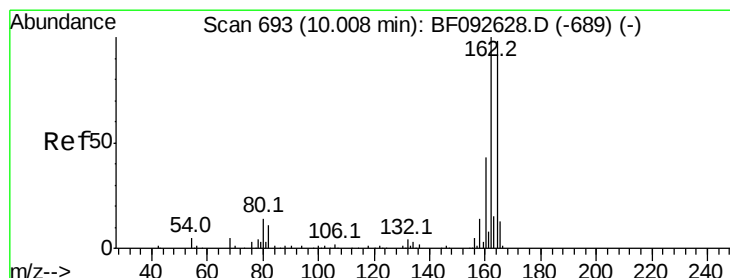
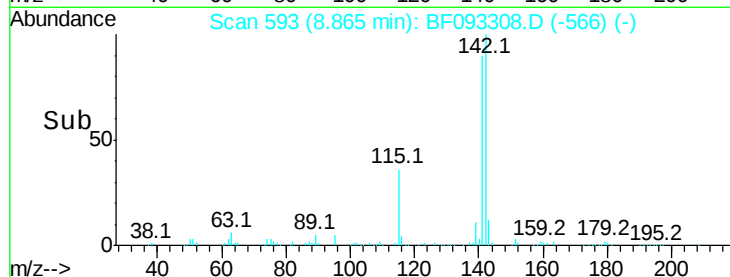
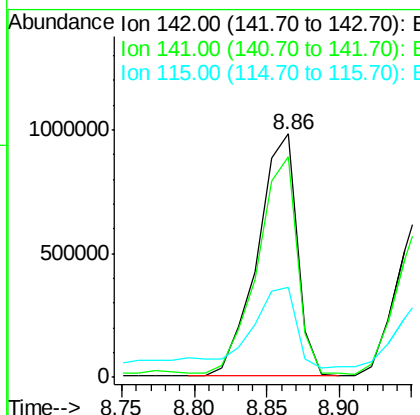
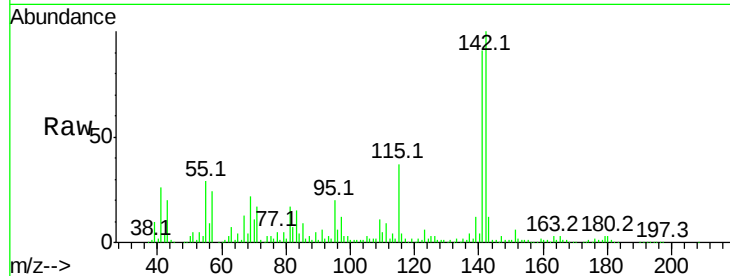
#37
2-Methylnaphthalene
Concen: 305.36 ng
RT: 8.86 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
SSP-7(3.5-5.5)

Tot Ion:142 Resp: 1847650
Ion Ratio Lower Upper
142 100
141 90.7 71.0 106.6
115 37.1 28.3 42.5

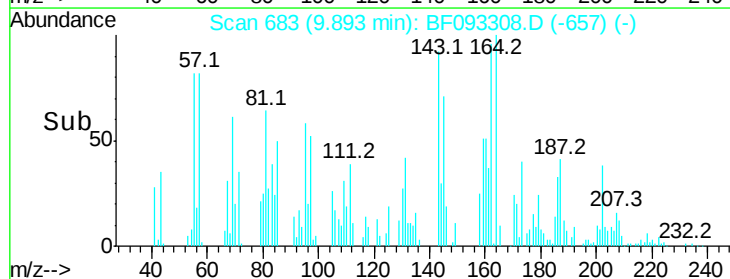
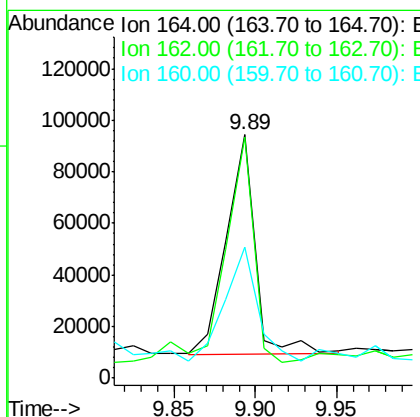
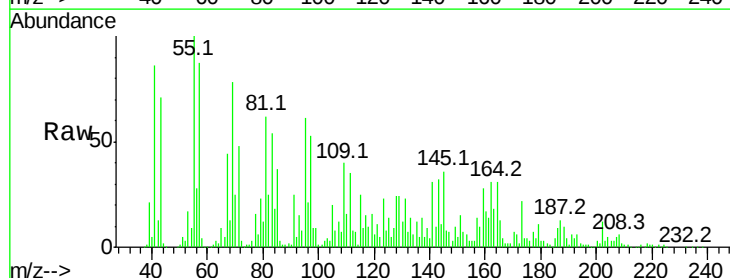
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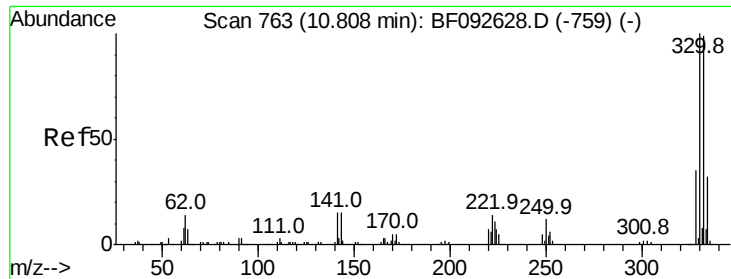
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Tgt Ion:164 Resp: 103919
Ion Ratio Lower Upper
164 100
162 98.8 80.2 120.2
160 53.9 36.9 55.3





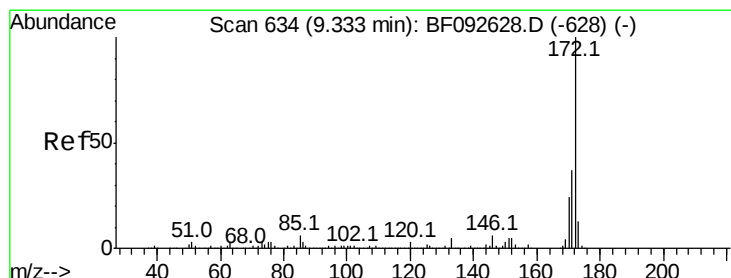
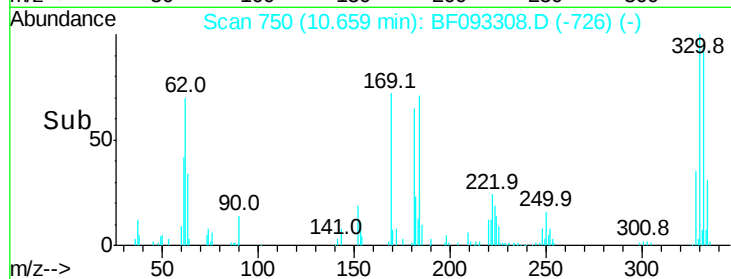
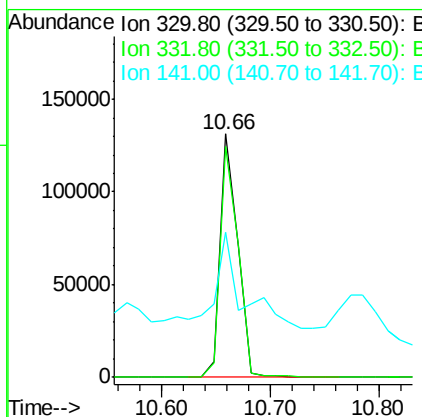
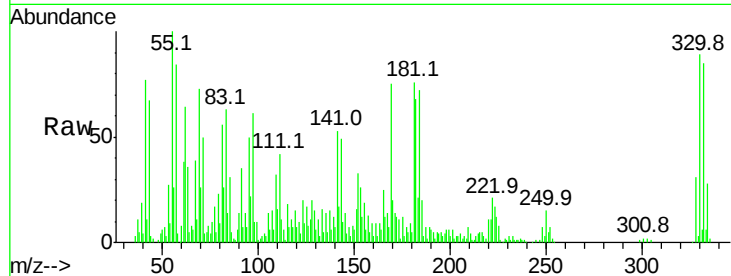
#41
 2,4,6-Tribromophenol
 Concen: 196.32 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093308.D
 Acq: 2 Mar 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(3.5-5.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	147556		
332	96.9	77.4	116.2	
141	60.5	34.1	51.1#	

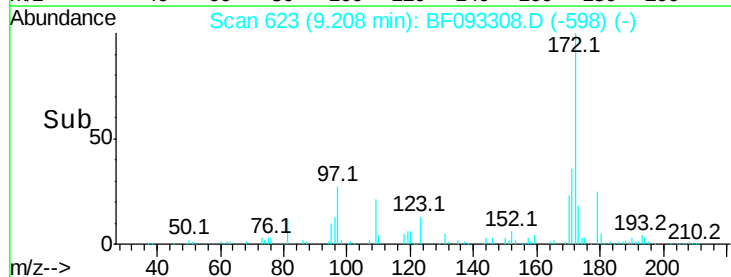
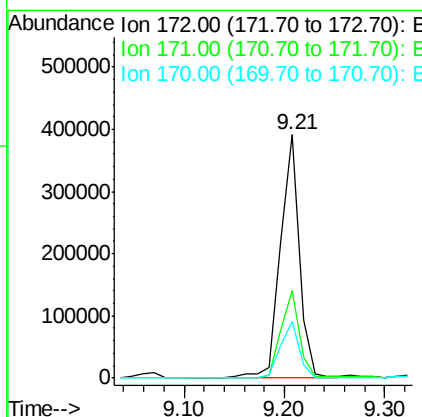
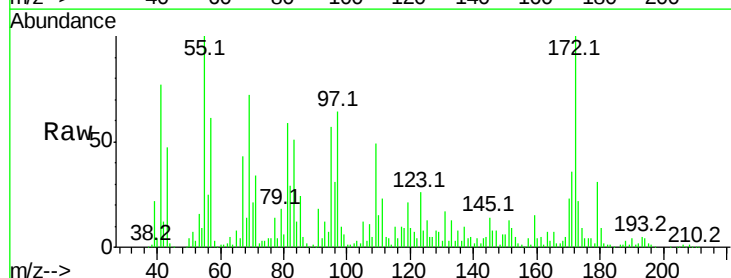
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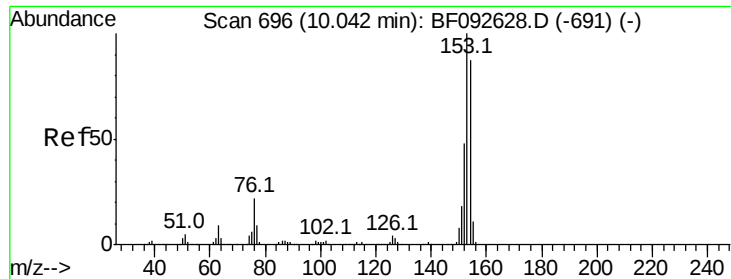
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#44
 2-Fluorobiphenyl
 Concen: 89.23 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093308.D
 Acq: 2 Mar 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	511855		
171	35.7	29.4	44.0	
170	23.4	20.2	30.4	





#51

Acenaphthene

Concen: 7.06 ng/mL

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

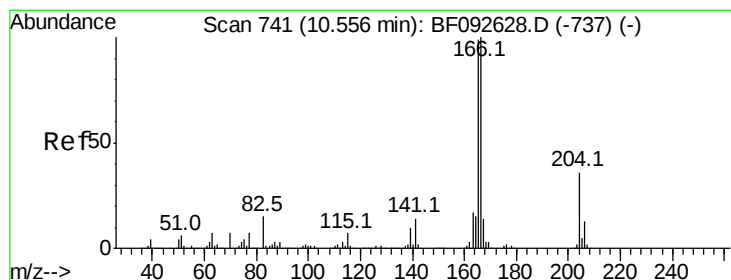
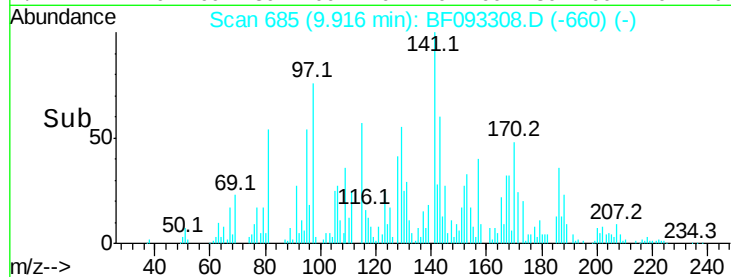
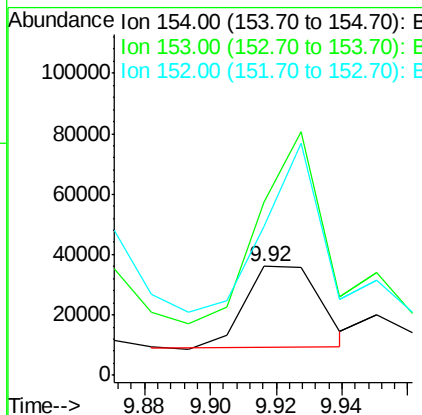
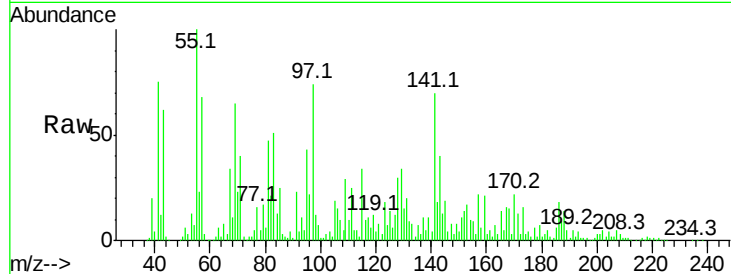
ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:	154	Resp:	42953
Ion Ratio	Lower	Upper	
154	100		
153	159.1	88.6	133.0#
152	136.7	41.6	62.4#

Manual Integrations
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#57

Fluorene

Concen: 37.81 ng/mL

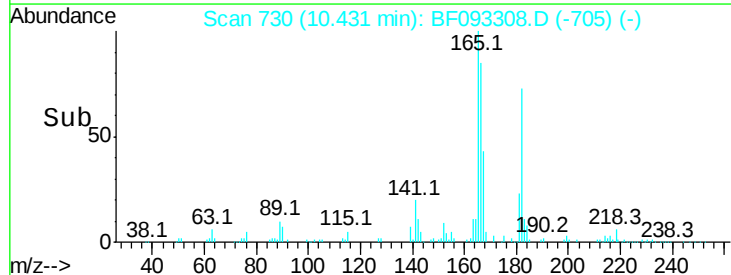
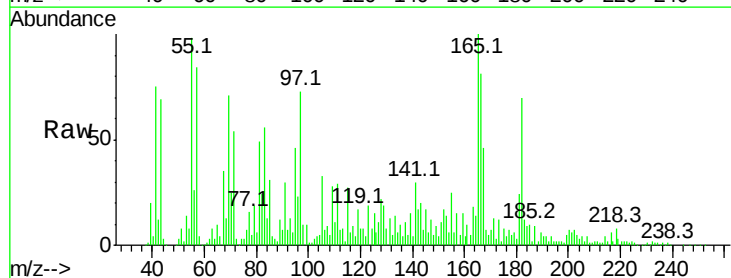
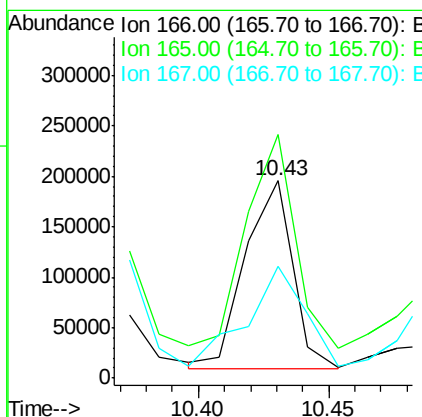
RT: 10.43 min Scan# 730

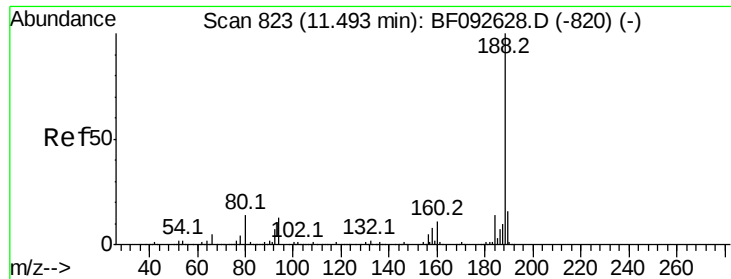
Delta R.T. -0.01 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Tgt Ion:	166	Resp:	236566
Ion Ratio	Lower	Upper	
166	100		
165	123.6	77.8	116.8#
167	56.7	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

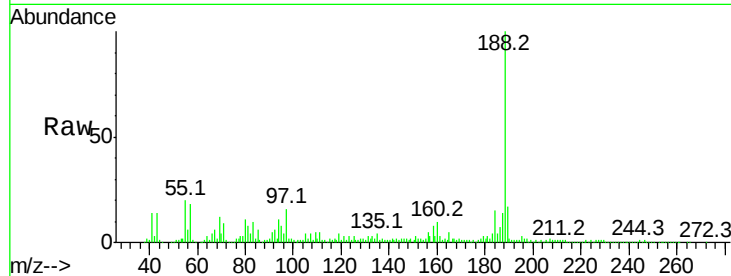
ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:	188	Resp:	324749
Ion Ratio	Lower	Upper	
188	100		
94	10.7	10.0	15.0
80	11.1	11.2	16.8#

Manual Integrations
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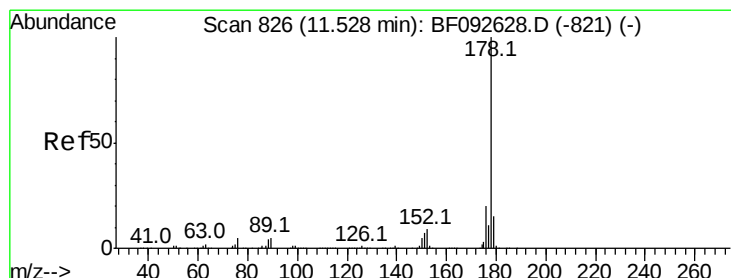
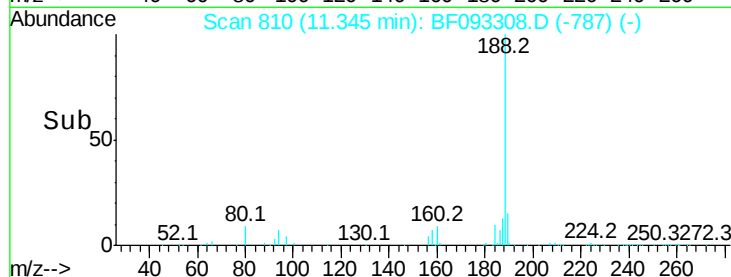
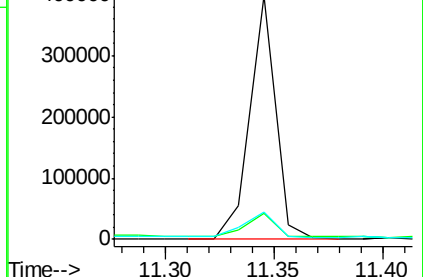
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 18.87 ng

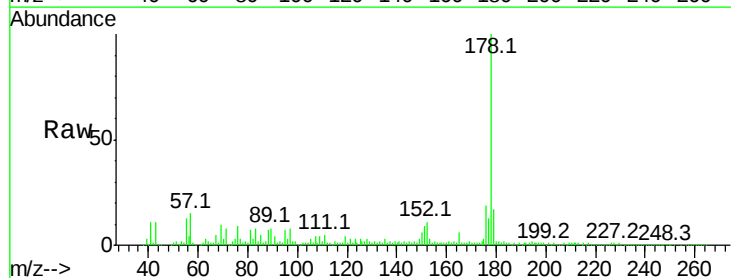
RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

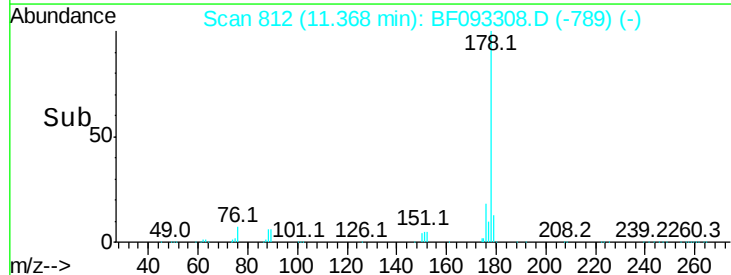
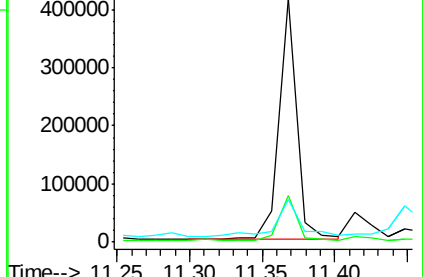
Tgt Ion:	178	Resp:	351174
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.6	25.0
179	17.5	12.8	19.2

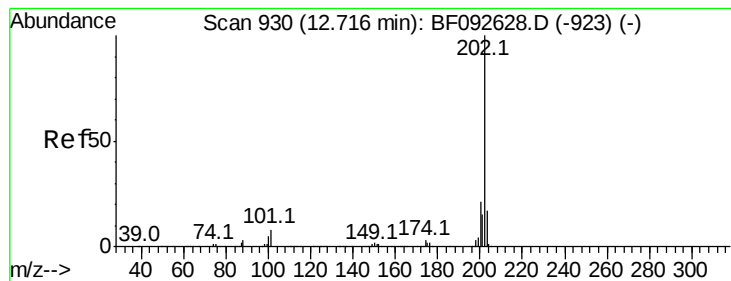


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.48 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

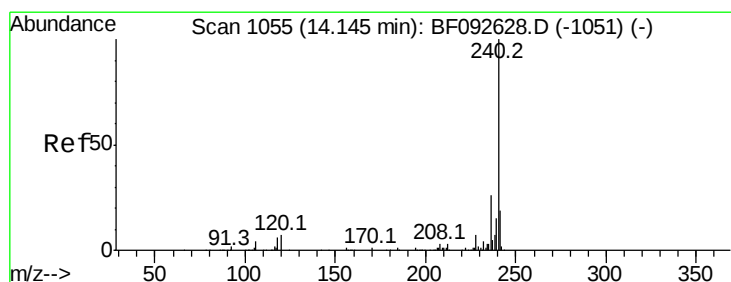
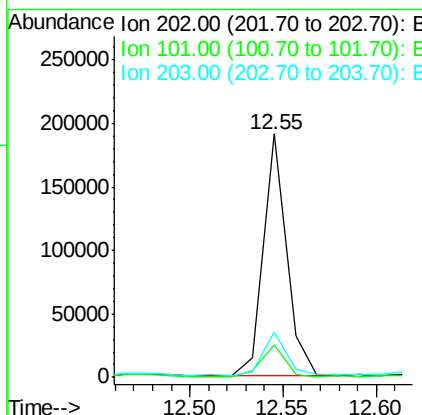
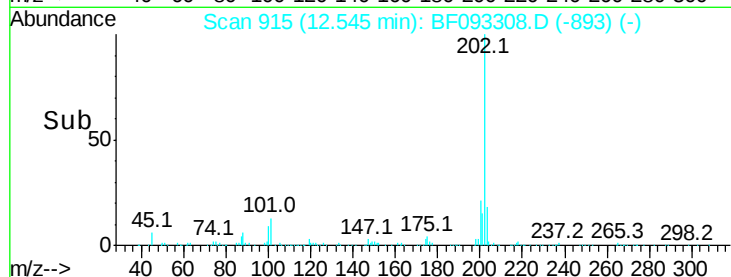
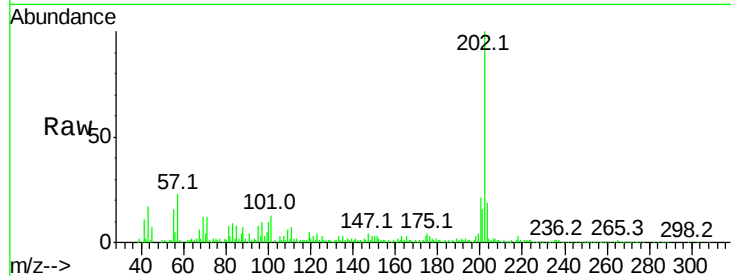
ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:	202	Resp:	162818
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.6
203	18.6	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

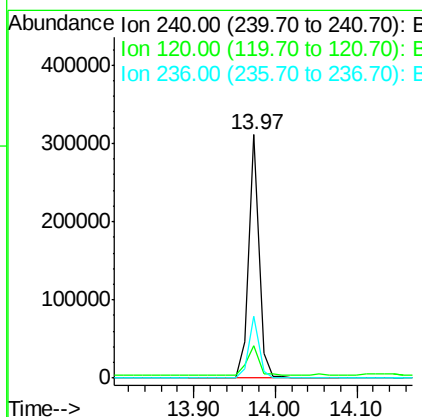
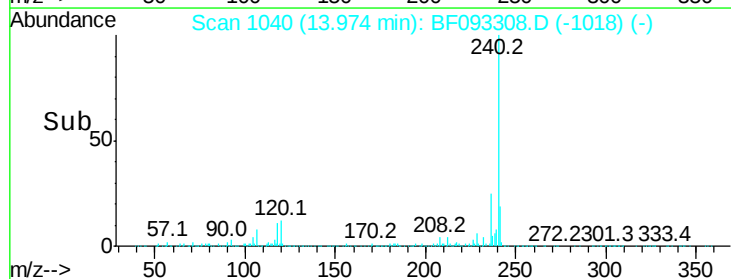
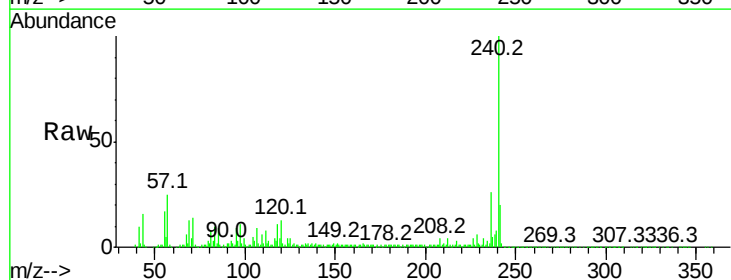
RT: 13.97 min Scan# 1040

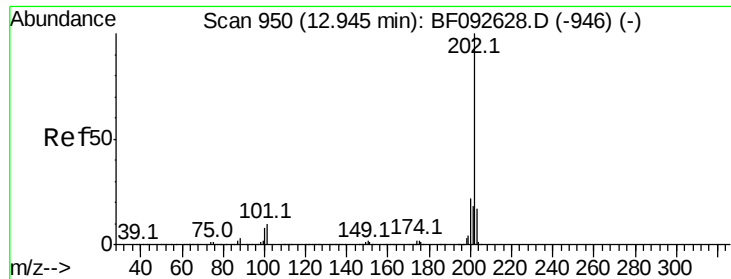
Delta R.T. -0.05 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Tgt Ion:	240	Resp:	269794
Ion Ratio	Lower	Upper	
240	100		
120	13.3	12.9	19.3
236	25.7	20.9	31.3





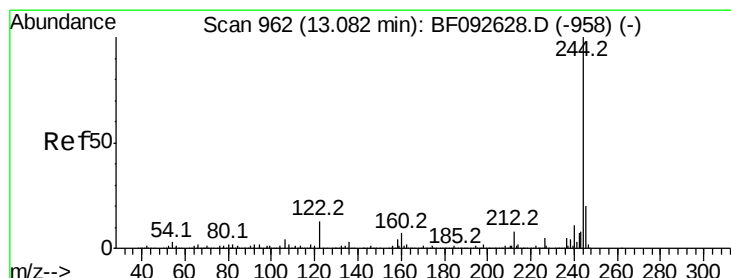
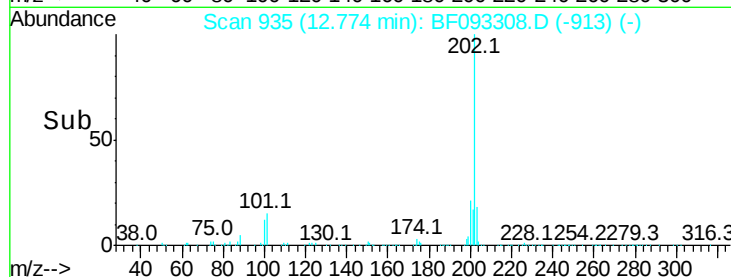
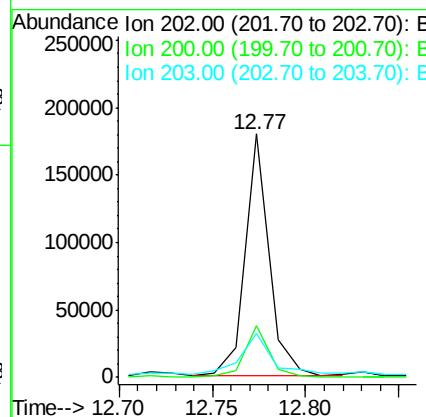
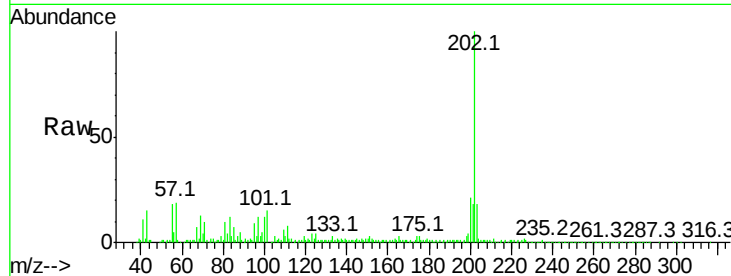
#77
Pvrene
Concen: 7.95 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
SSP-7(3.5-5.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.0	17.7	26.5		
203	18.3	14.7	22.1		

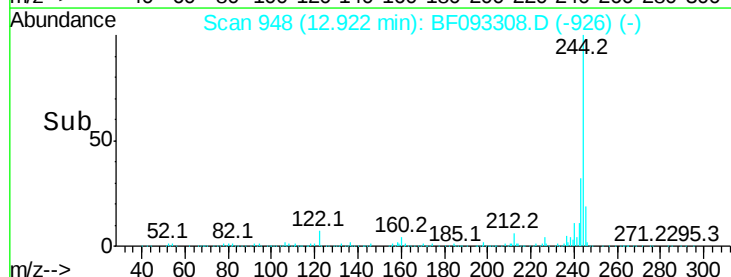
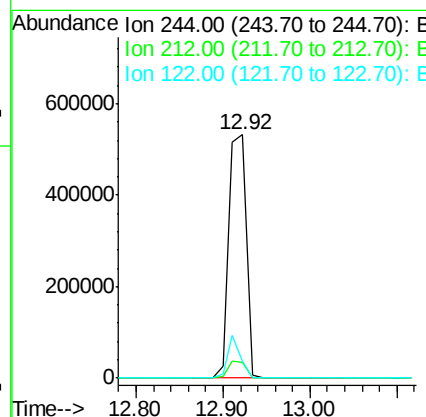
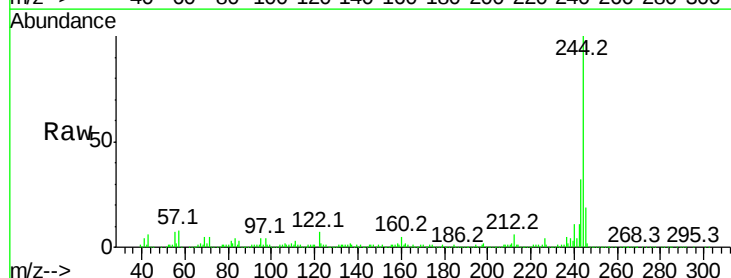
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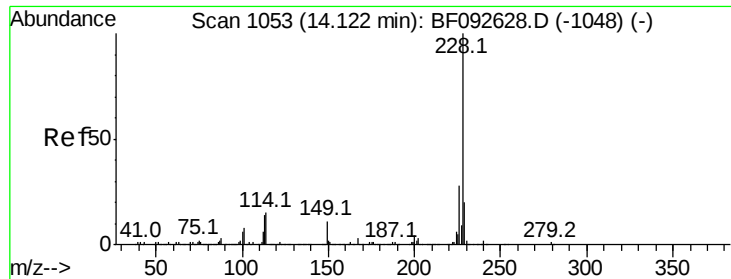
mohammad
3/2/2017 1:42:54 PM



#78
Terphenyl-d14
Concen: 65.01 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.3	6.2	9.2		
122	6.8	11.4	17.2		





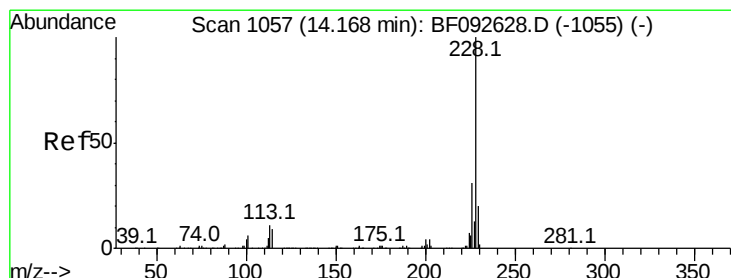
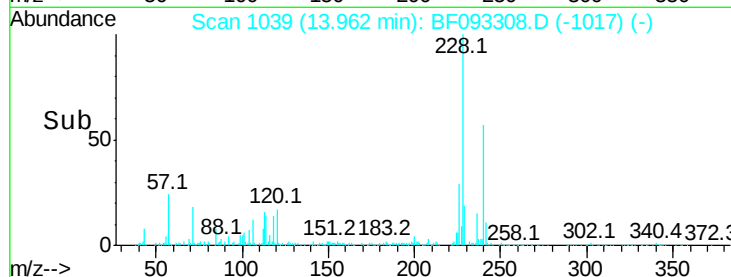
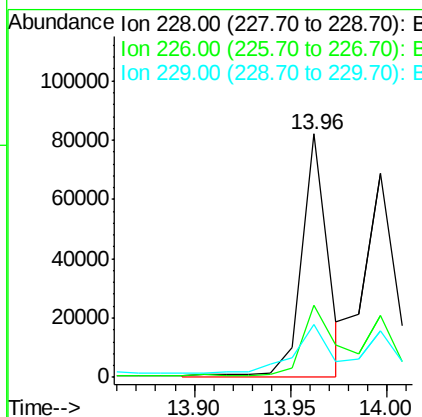
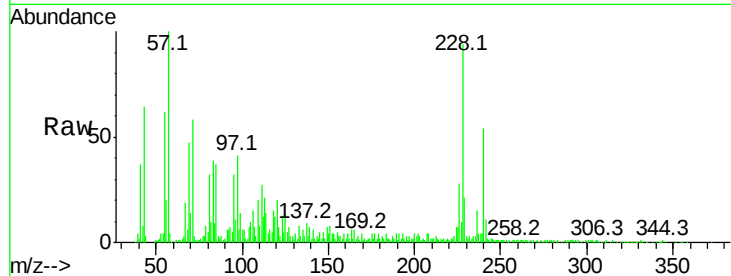
#80
Benzo(a)anthracene
Concen: 4.78 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
SSP-7(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.4	33.6
229	21.7	16.2	24.4

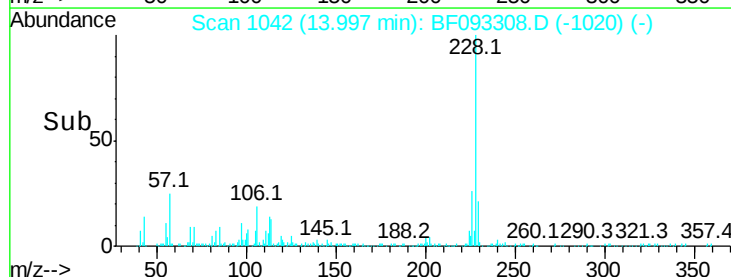
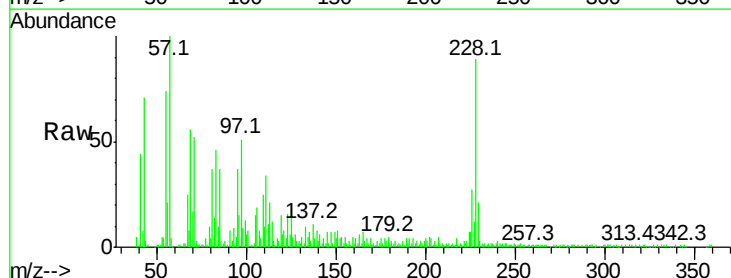
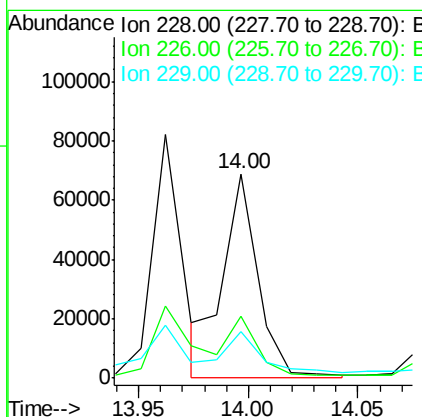
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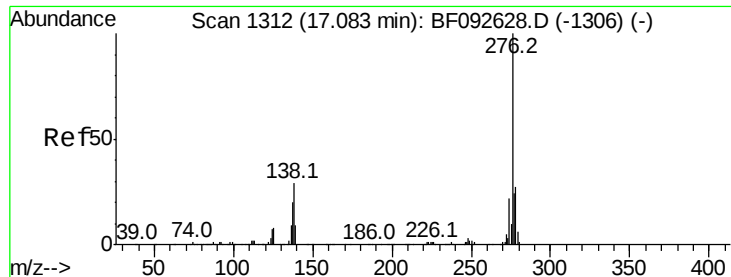
mohammad
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#82
Chrysene
Concen: 4.97 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	22.9	16.2	24.2





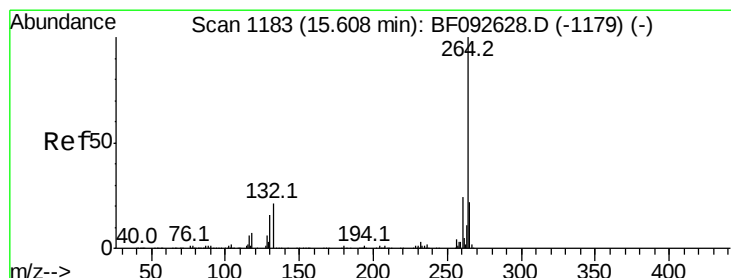
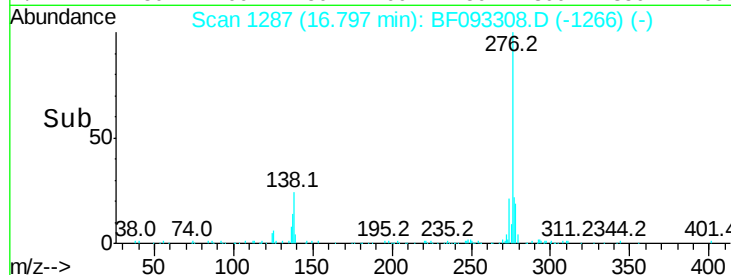
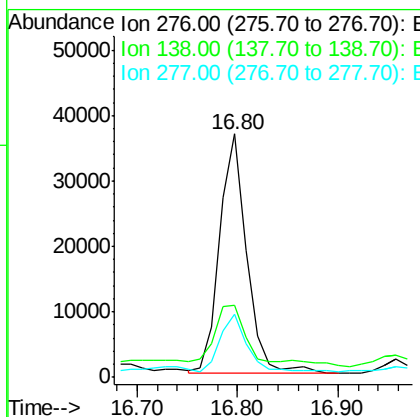
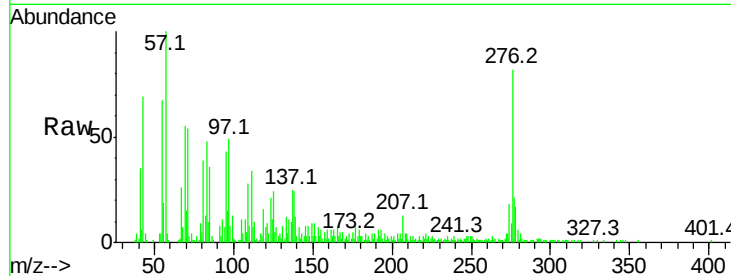
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.71 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Instrument :
BNA_F
ClientSampleId :
SSP-7(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.3	21.8	32.6
277	24.5	20.2	30.4

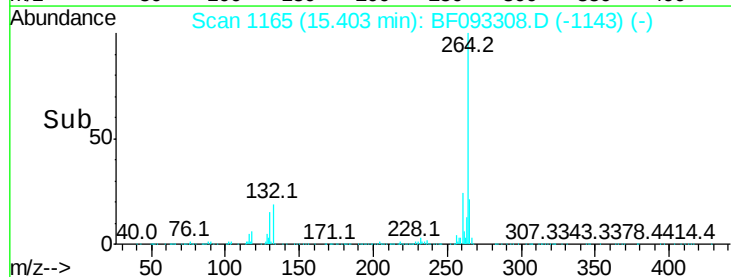
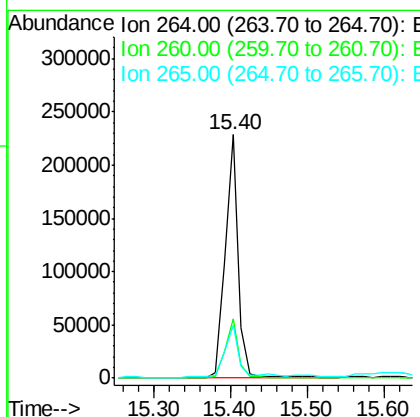
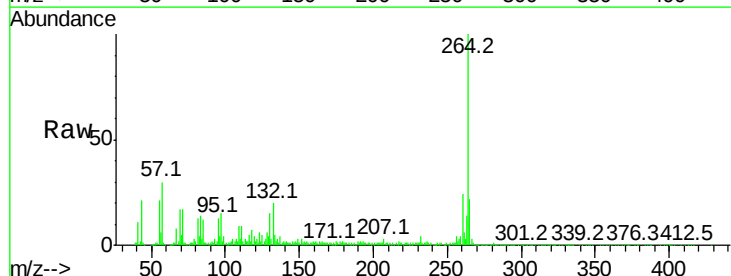
Manual Integrations
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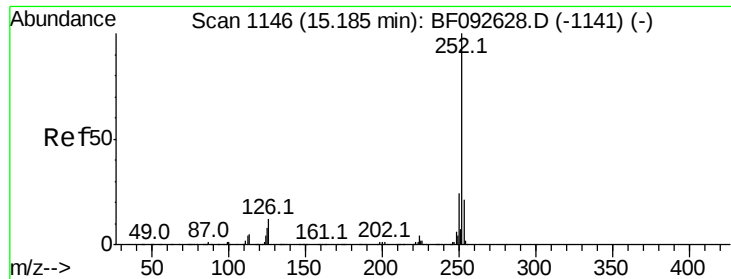
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093308.D
Acq: 2 Mar 2017 00:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.75 ng m

RT: 14.99 min Scan# 1129

Delta R.T. -0.05 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

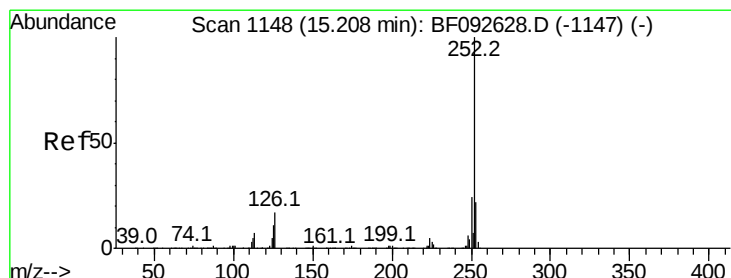
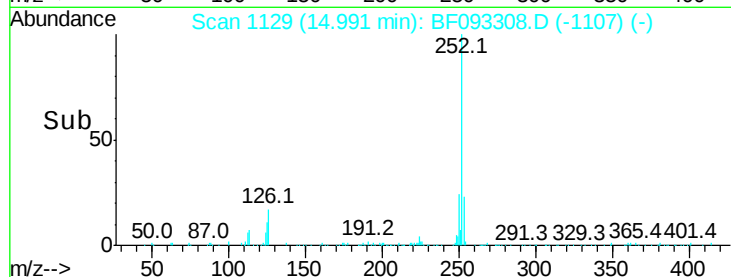
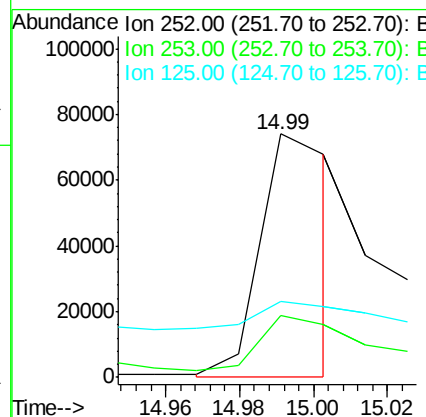
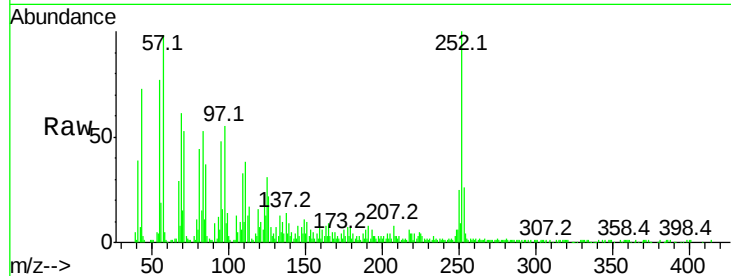
ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:	252	Resp:	102412
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.2	27.4
125	31.4	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.29 ng m

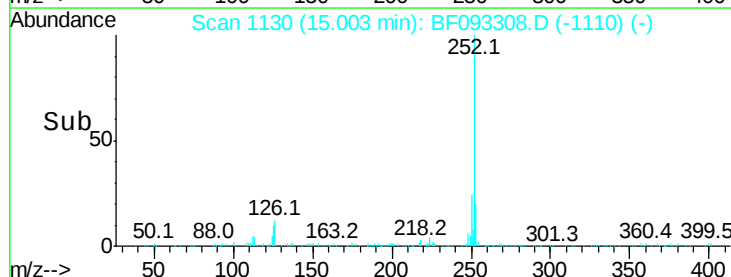
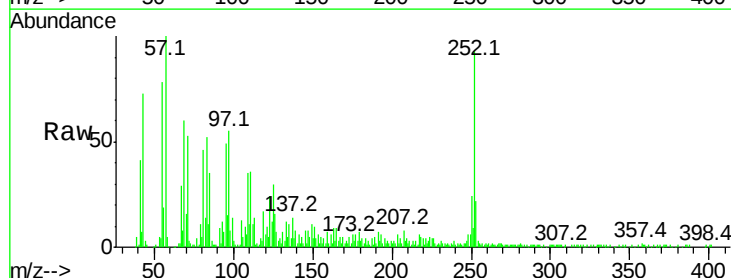
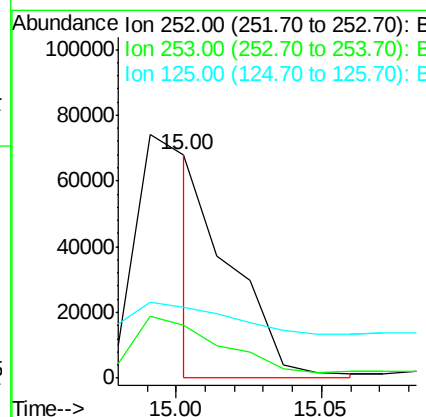
RT: 15.00 min Scan# 1130

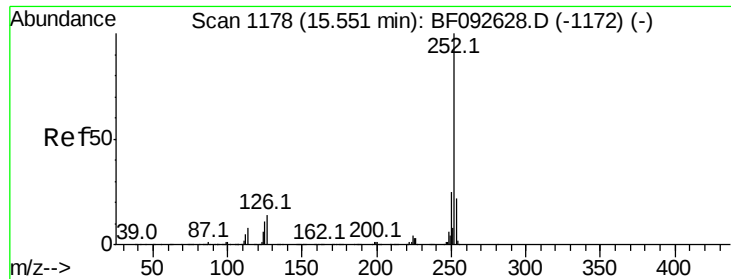
Delta R.T. -0.07 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Tgt Ion:	252	Resp:	50649
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.5	27.7
125	31.9	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 5.65 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Instrument :

BNA_F

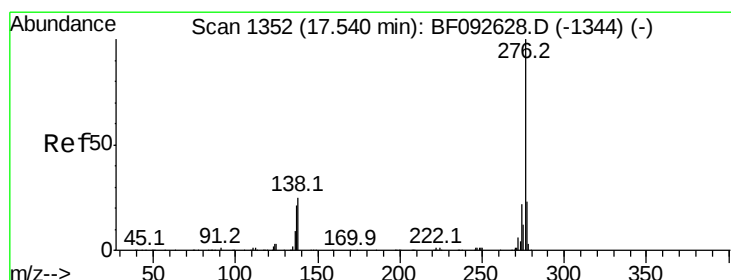
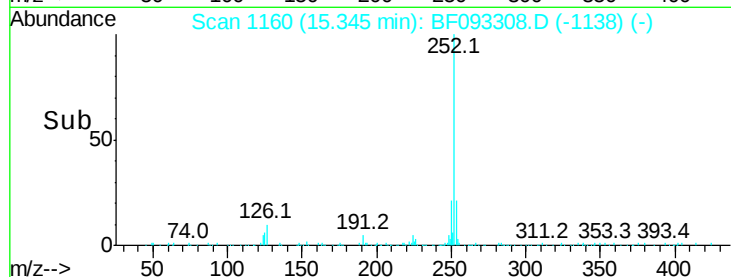
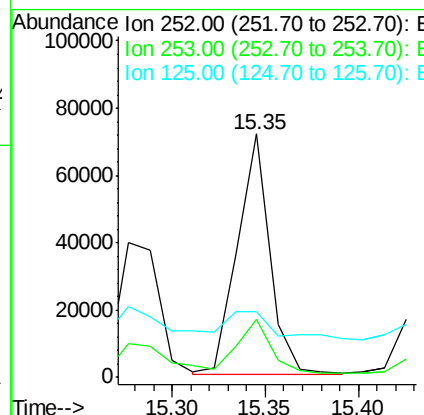
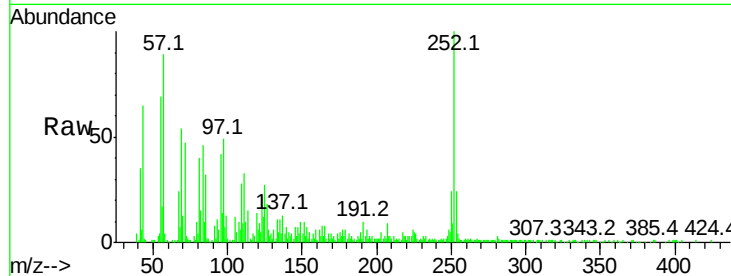
ClientSampleId :

SSP-7(3.5-5.5)

Tot Ion:	252	Resp:	87177
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	26.9	10.0	15.0#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.30 ng

RT: 17.22 min Scan# 1324

Delta R.T. -0.07 min

Lab File: BF093308.D

Acq: 2 Mar 2017 00:00

Tgt Ion:	276	Resp:	66705
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.2	28.8
138	31.2	16.0	24.0#

