

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093299.D
 Acq On : 1 Mar 2017 19:47
 Operator : SJ/MA
 Sample : I2002-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(5.5-7.5)

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 00:49:52 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	6.81	152	141645	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	545630	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	273449	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	510609	20.00	ng	-0.05
75) Chrysene-d12	13.96	240	410413	20.00	ng	-0.06
86) Perylene-d12	15.39	264	303493	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	818205	99.10	ng	-0.05
7) Phenol-d6	6.45	99	1046578	98.52	ng	-0.03
23) Nitrobenzene-d5	7.38	82	704045	71.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	181461	91.75	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1001011	66.32	ng	-0.05
78) Terphenyl-d14	12.91	244	800760	45.84	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.46	94	81754	6.58	ng	# 77
27) 2,4-Dimethylphenol	7.77	122	62992	7.50	ng	98
37) 2-Methylnaphthalene	8.81	142	538066	30.30	ng	99
49) Dimethylphthalate	9.56	163	117742	6.39	ng	# 96
57) Fluorene	10.40	166	45166	2.74	ng	# 89
70) Phenanthrene	11.36	178	126686	4.33	ng	96
74) Fluoranthene	12.54	202	182148	6.04	ng	93
77) Pyrene	12.77	202	180779	5.89	ng	98
80) Benzo(a)anthracene	13.96	228	71136	2.83	ng	95
82) Chrysene	14.00	228	62603	2.66	ng	99
87) Benzo(b)fluoranthene	14.99	252	72216m	3.62	ng	
89) Benzo(a)pyrene	15.33	252	51797	3.00	ng	98
91) Benzo(a,h,i)perylene	17.21	276	34757	2.46	ng	# 87

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

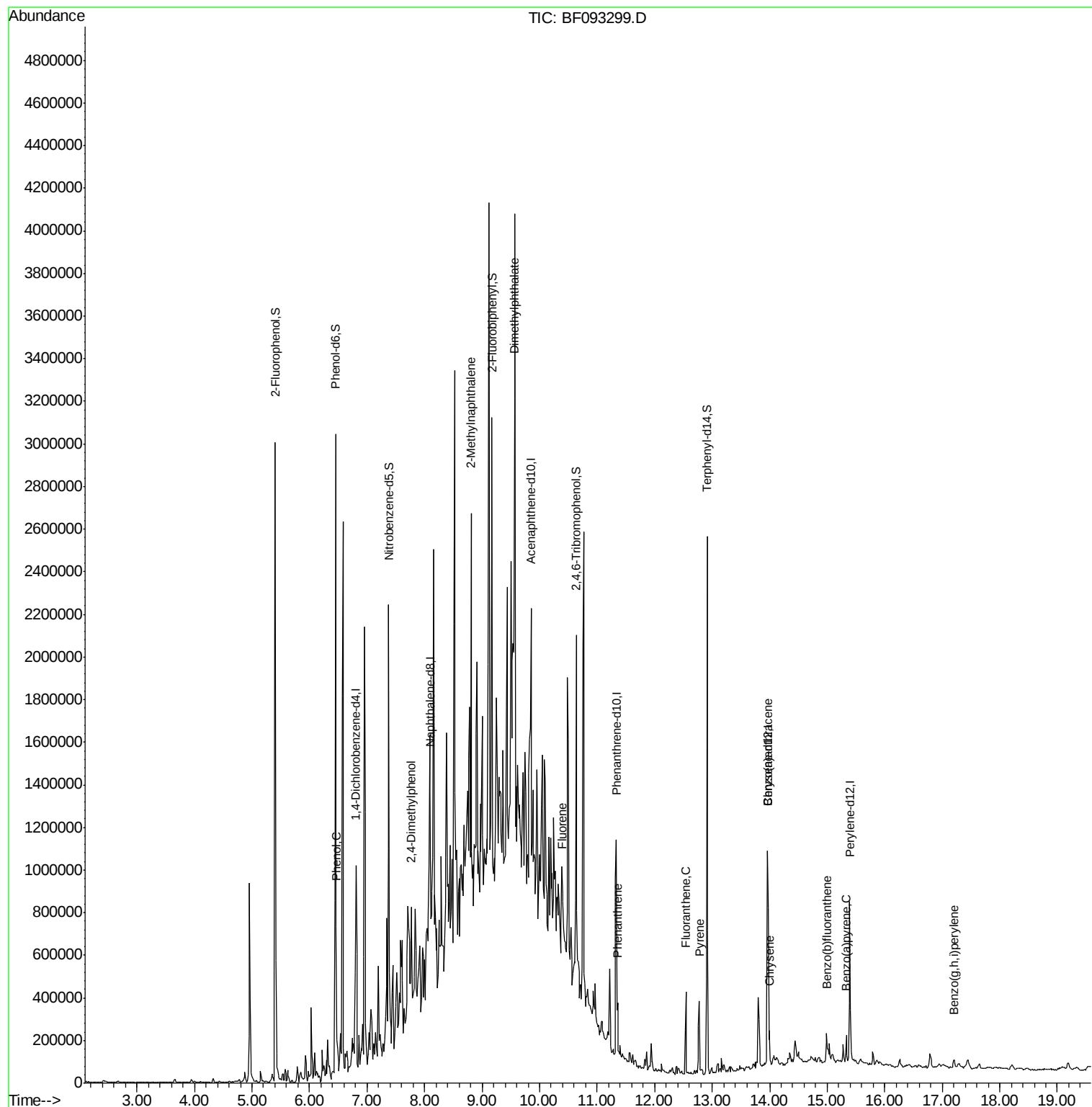
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093299.D
Acq On : 1 Mar 2017 19:47
Operator : SJ/MA
Sample : I2002-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

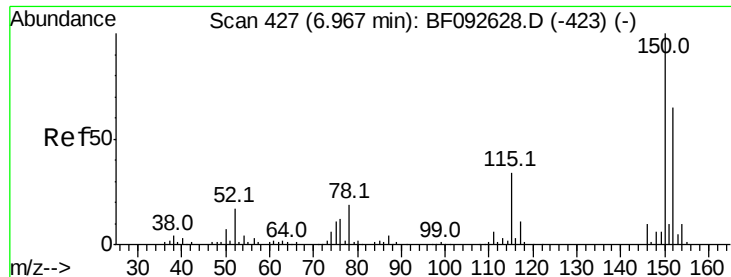
Instrument :
BNA_F
ClientSampleId :
SSP-7(5.5-7.5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

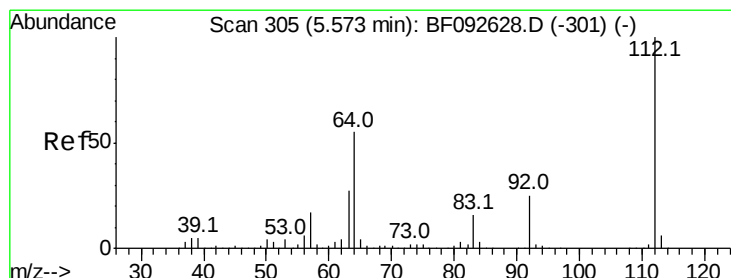
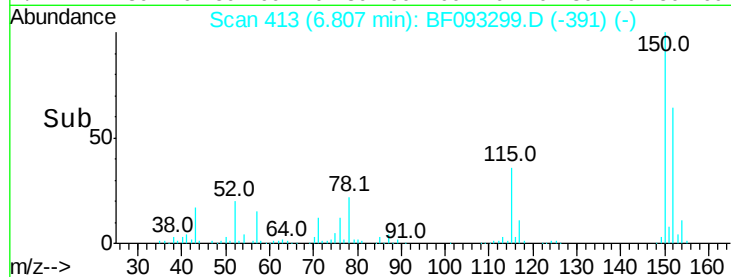
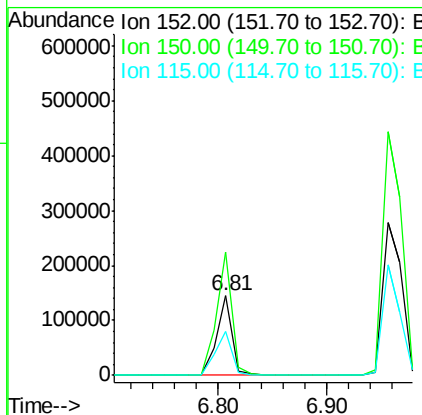
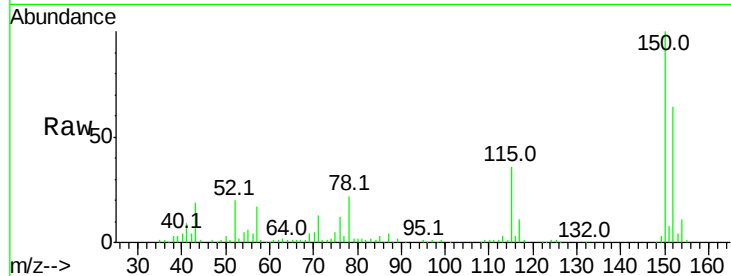
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Instrument :
BNA_F
ClientSampleId :
SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	55.6	46.0	69.0

Manual Integrations
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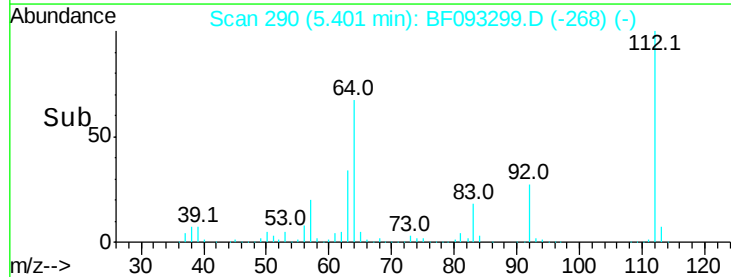
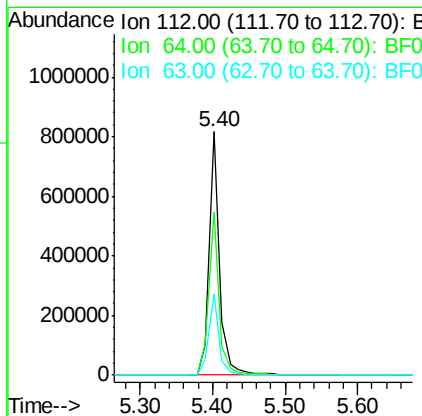
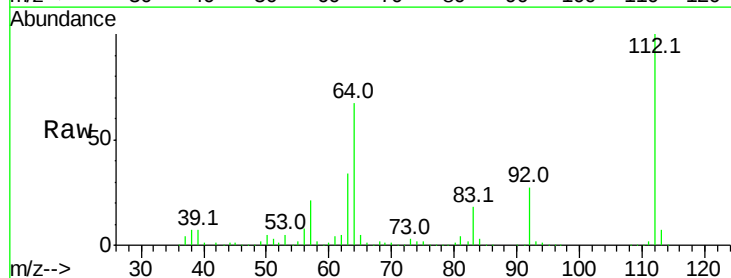
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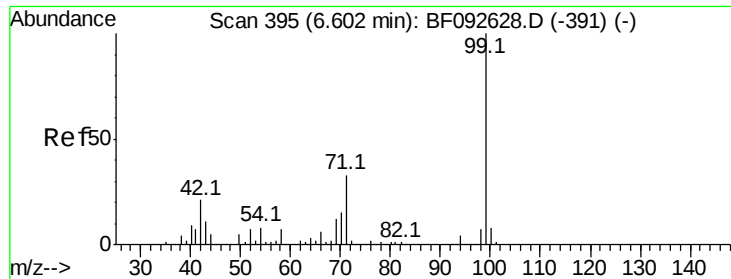


#5

2-Fluorophenol
Concen: 99.10 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.1	69.1
63	33.5	23.8	35.6





#7

Phenol-d6

Concen: 98.52 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion: 99 Resp: 1046578

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

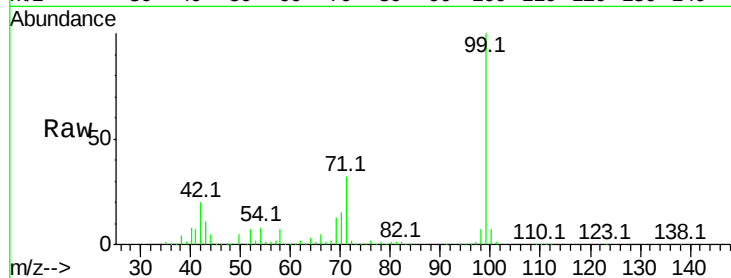
71 32.5 27.5 41.3

Manual Integrations

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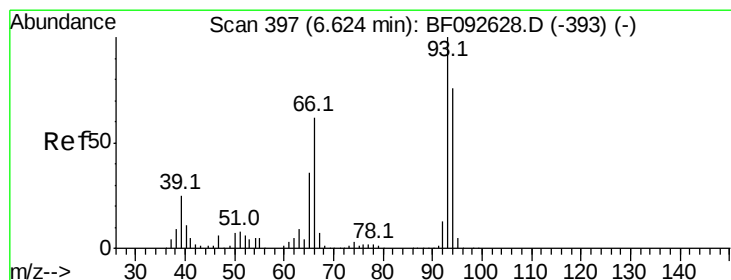
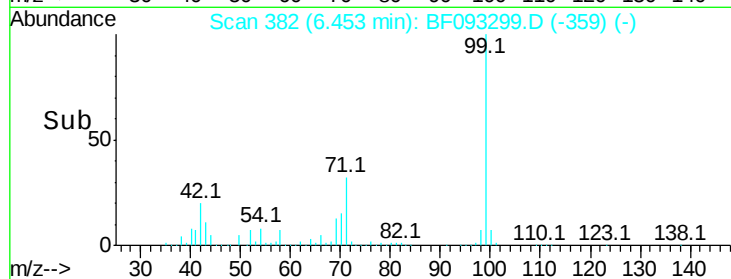
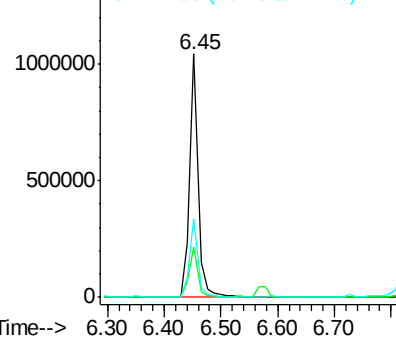
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.58 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

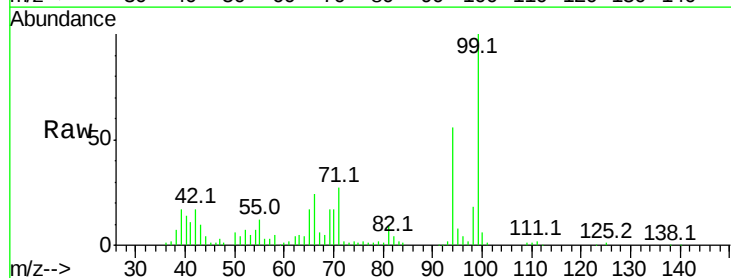
Tgt Ion: 94 Resp: 81754

Ion Ratio Lower Upper

94 100

65 30.5 21.4 61.4

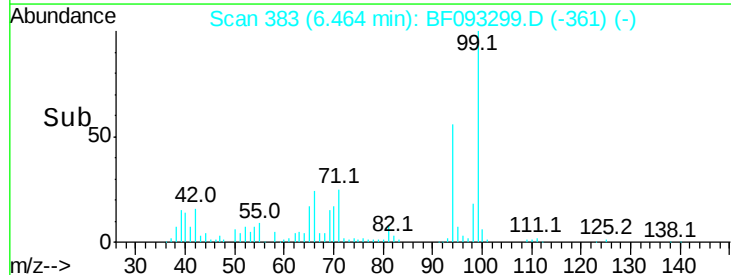
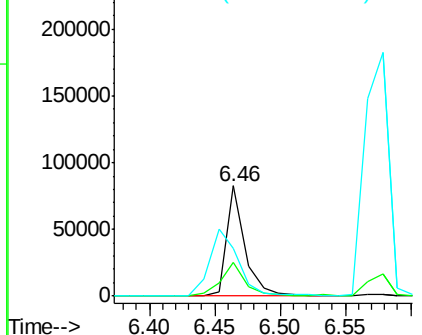
66 43.6 44.0 84.0#

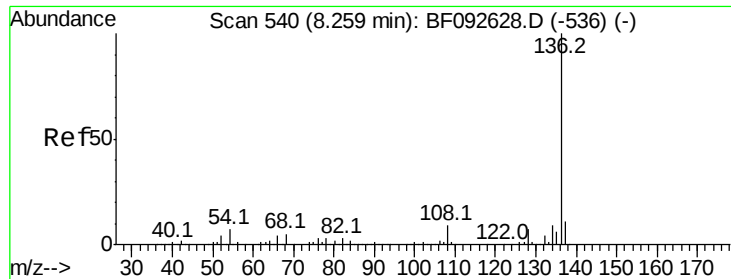


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





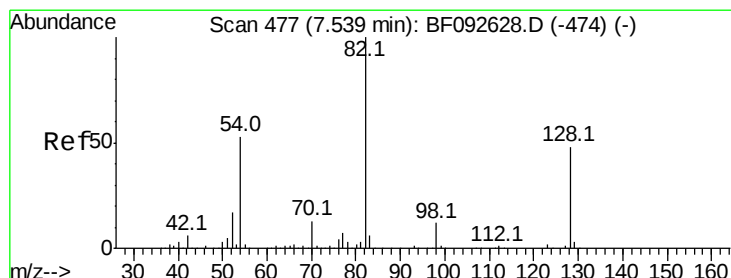
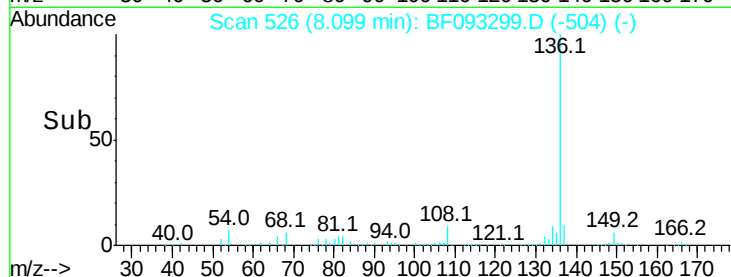
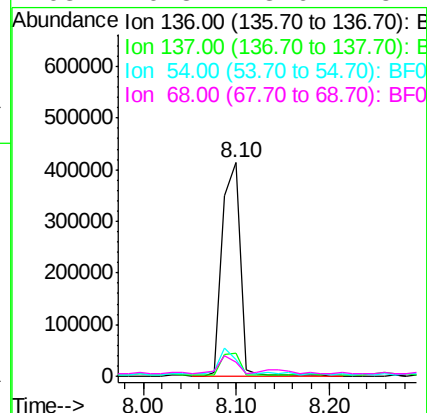
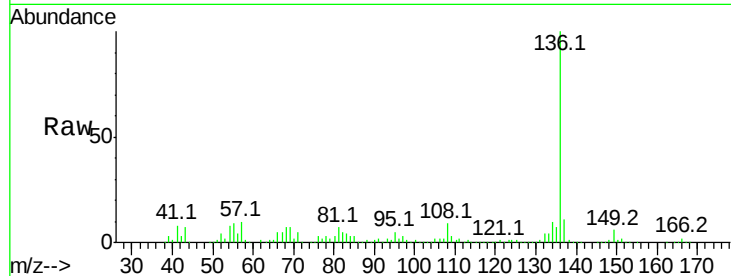
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Instrument :
BNA_F
ClientSampleId :
SSP-7(5.5-7.5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.4	12.6	
54	8.0	4.5	6.7#	
68	6.8	3.6	5.4#	

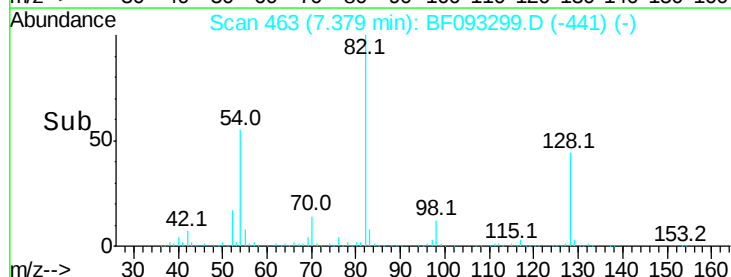
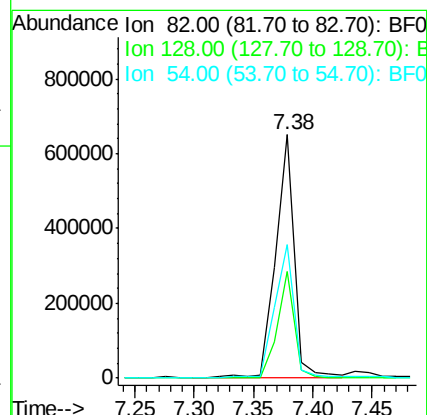
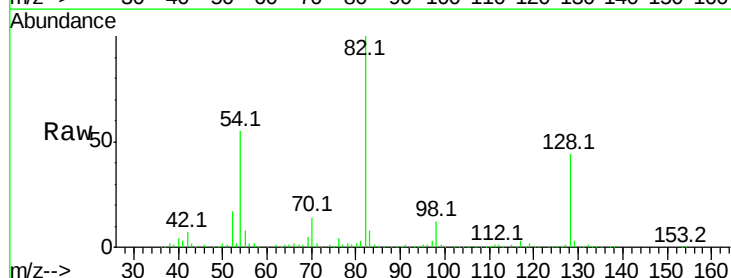
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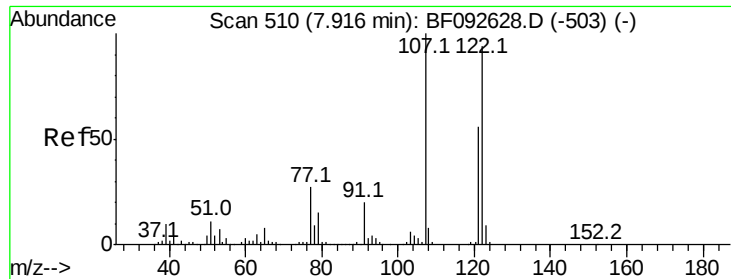
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#23
Nitrobenzene-d5
Concen: 71.86 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.8	34.6	52.0	
54	54.7	39.5	59.3	





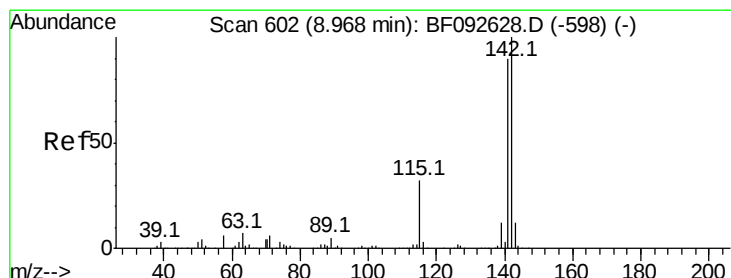
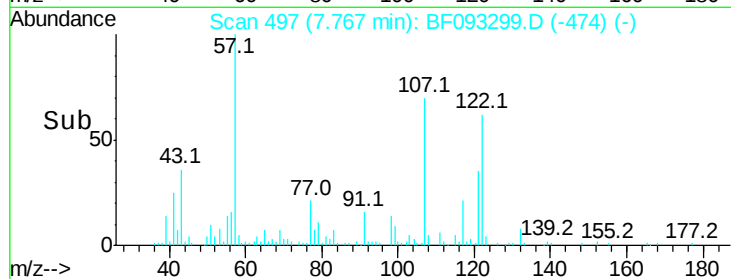
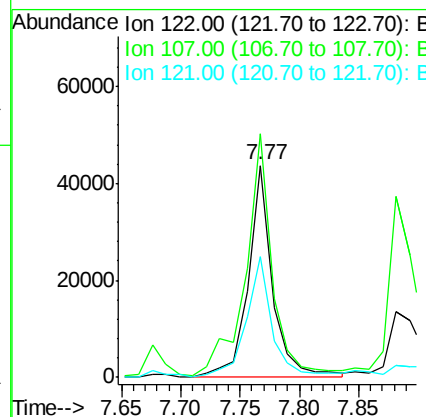
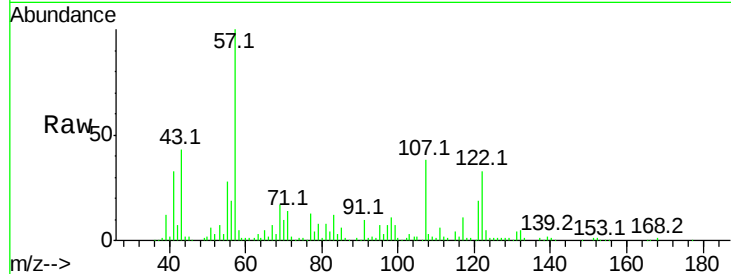
#27
 2,4-Dimethylphenol
 Concen: 7.50 ng
 RT: 7.77 min Scan# 497
 Delta R.T. -0.03 min
 Lab File: BF093299.D
 Acq: 1 Mar 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.9	94.1	141.1
121	56.8	46.0	69.0

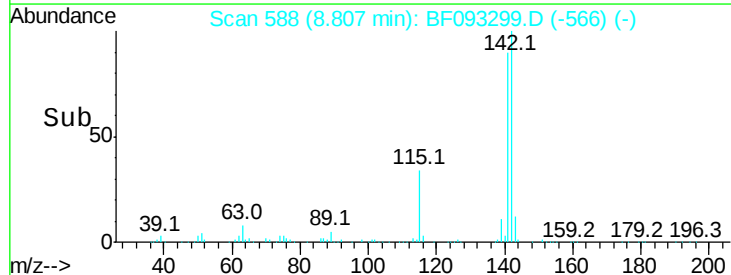
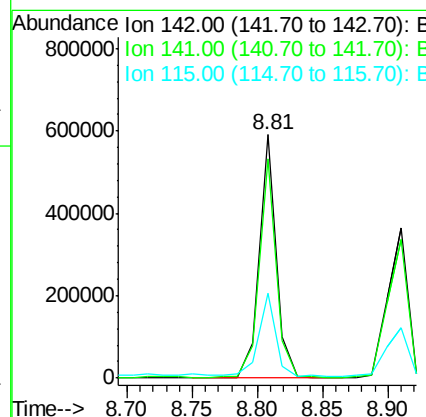
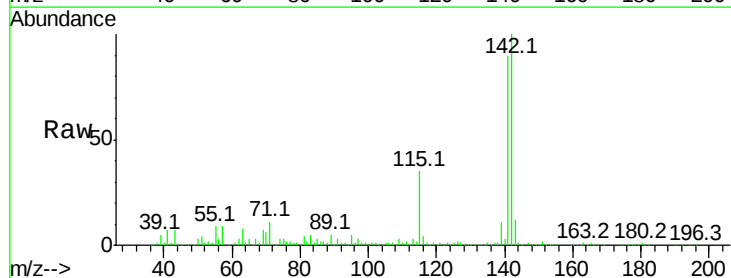
Manual Integrations
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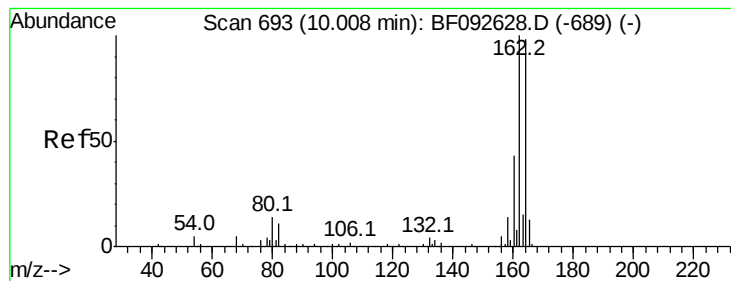
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#37
 2-Methylnaphthalene
 Concen: 30.30 ng
 RT: 8.81 min Scan# 588
 Delta R.T. -0.05 min
 Lab File: BF093299.D
 Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.0	106.6
115	35.1	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

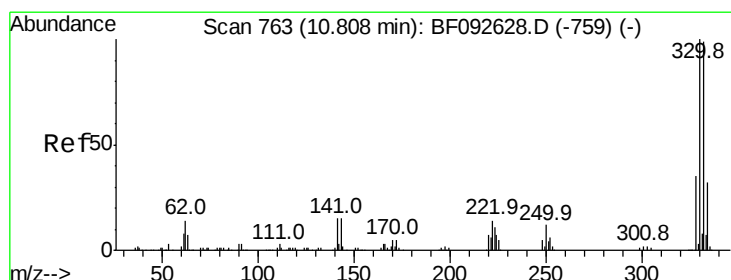
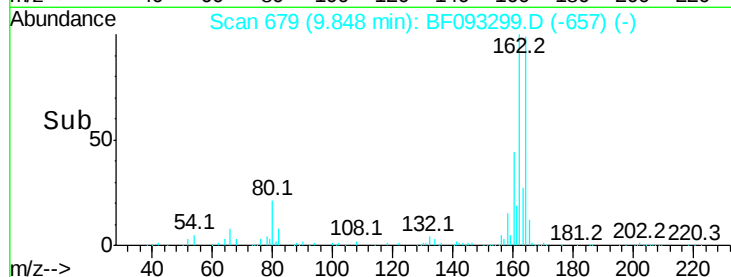
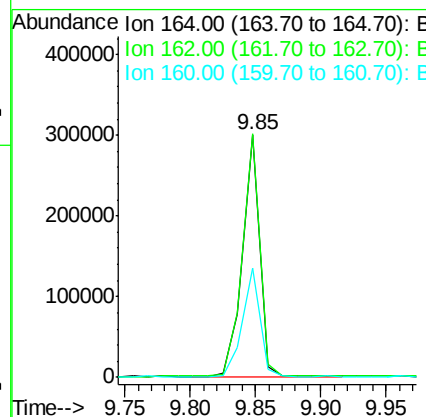
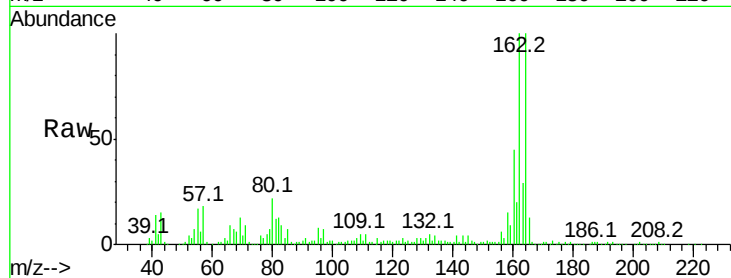
ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion:	164	Resp:	273449
Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	45.2	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 91.75 ng

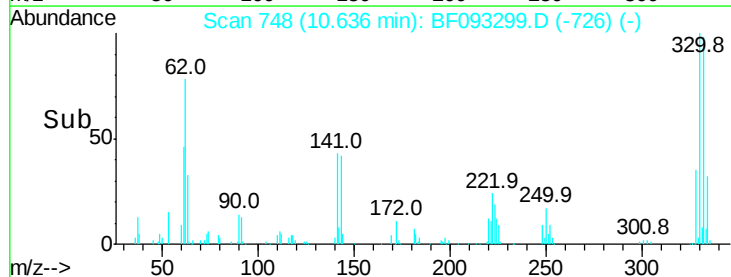
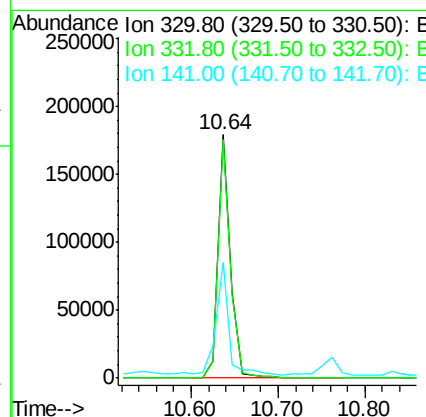
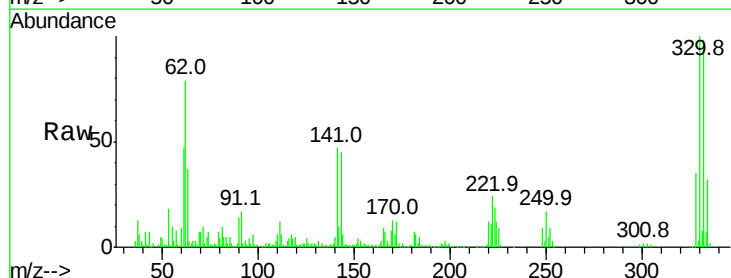
RT: 10.64 min Scan# 748

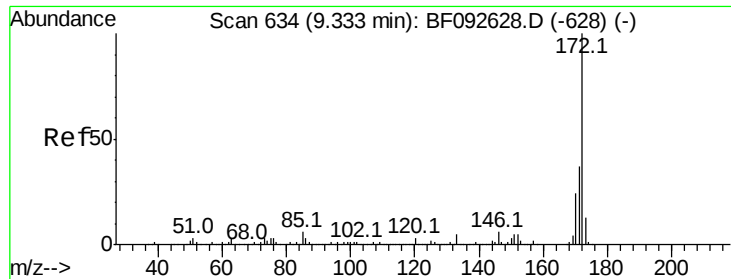
Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Tgt Ion:	330	Resp:	181461
Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.2
141	46.1	34.1	51.1





#44

2-Fluorobiphenyl

Concen: 66.32 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion:172 Resp: 1001011

Ion Ratio Lower Upper

172 100

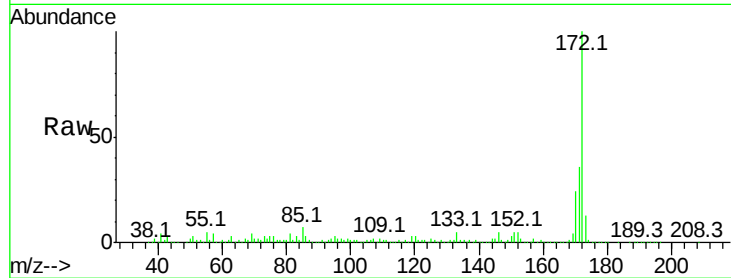
171 36.0 29.4 44.0

170 24.2 20.2 30.4

Manual Integrations
APPROVED

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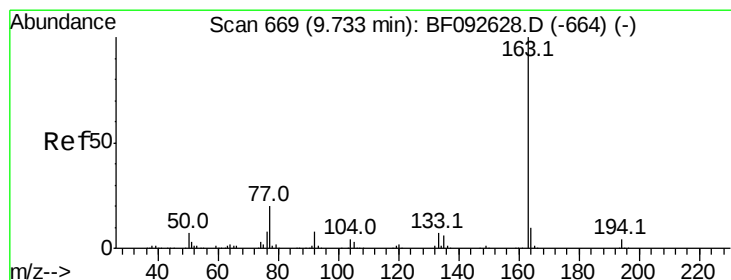
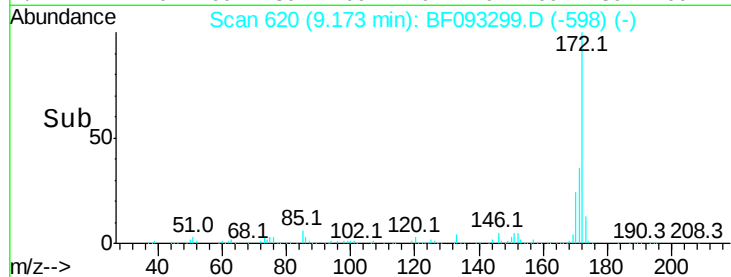
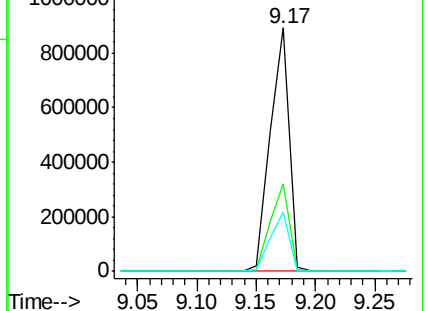
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 6.39 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

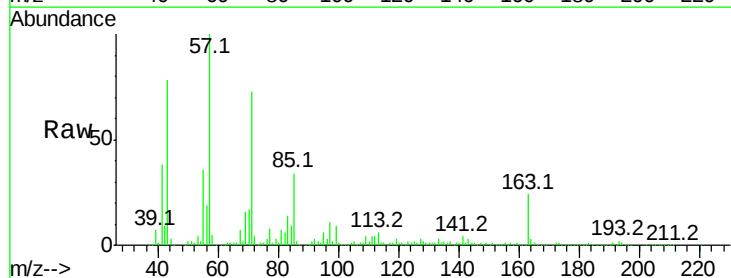
Tgt Ion:163 Resp: 117742

Ion Ratio Lower Upper

163 100

194 6.1 3.0 4.4#

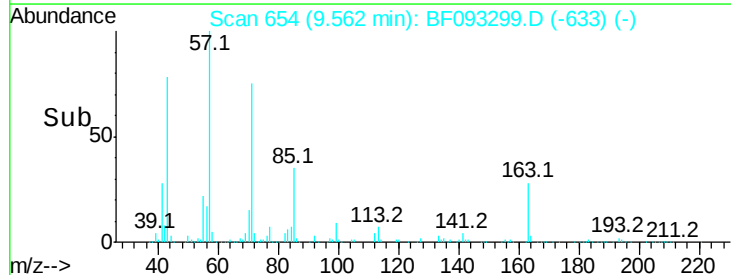
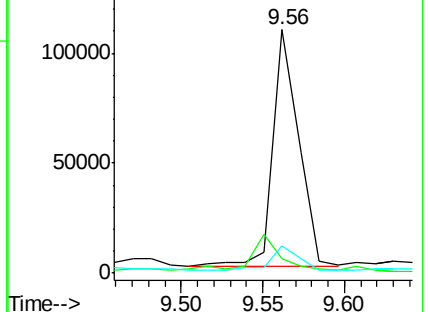
164 11.0 8.0 12.0

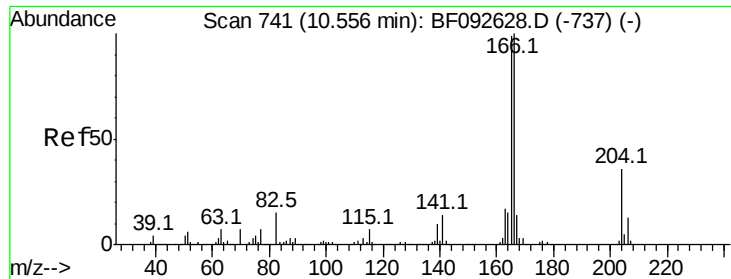


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





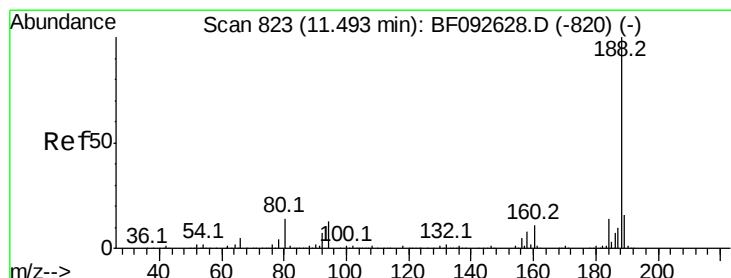
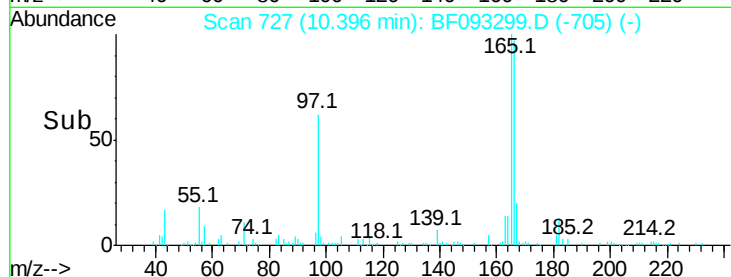
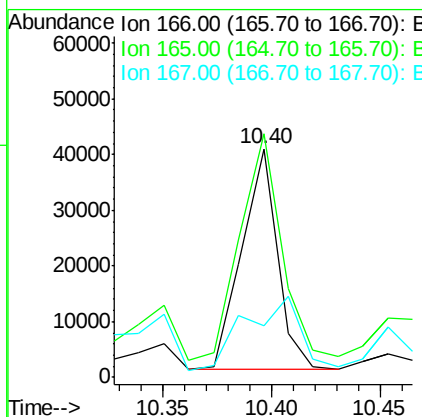
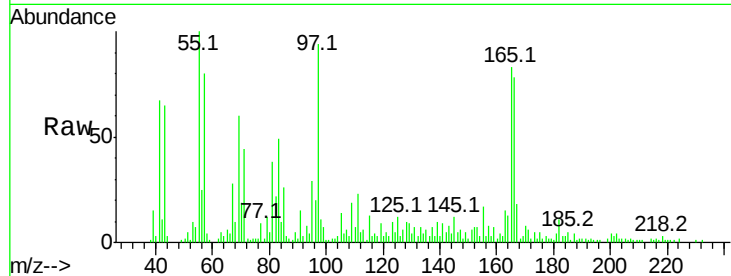
#57
Fluorene
Concen: 2.74 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Instrument :
BNA_F
ClientSampleId :
SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.4	77.8	116.8
167	22.8	10.8	16.2

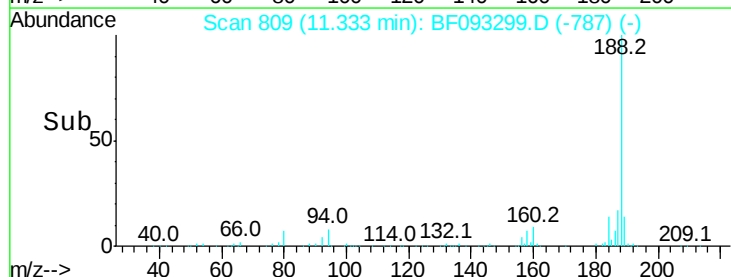
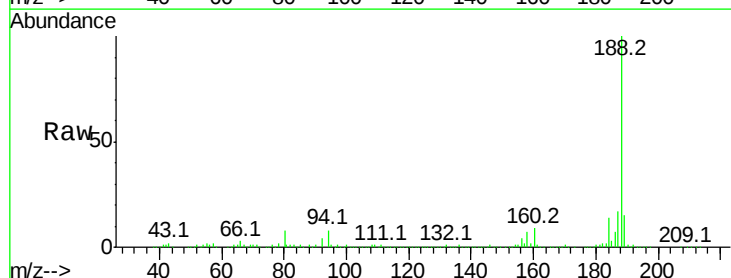
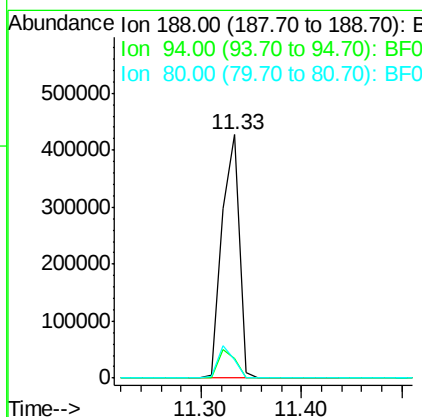
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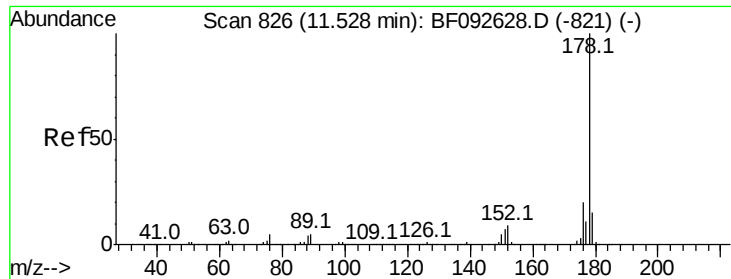
mohammad
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	10.0	15.0#
80	7.6	11.2	16.8#





#70

Phenanthrene

Concen: 4.33 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

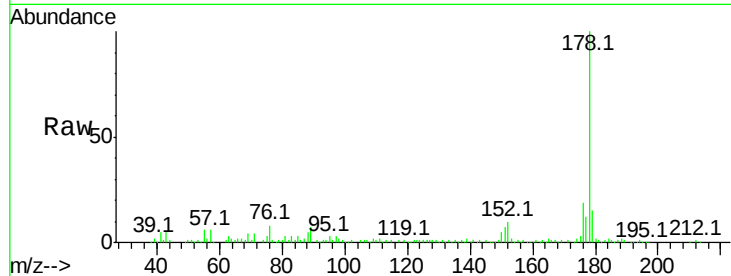
ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.6	25.0
179	15.1	12.8	19.2

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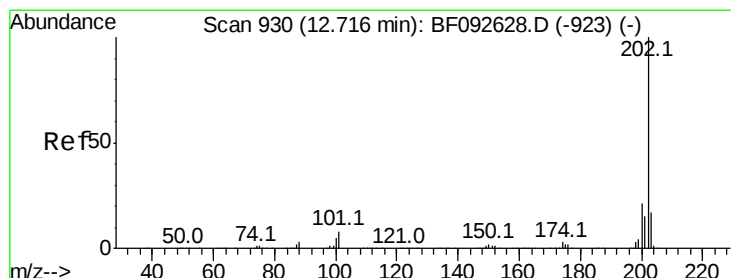
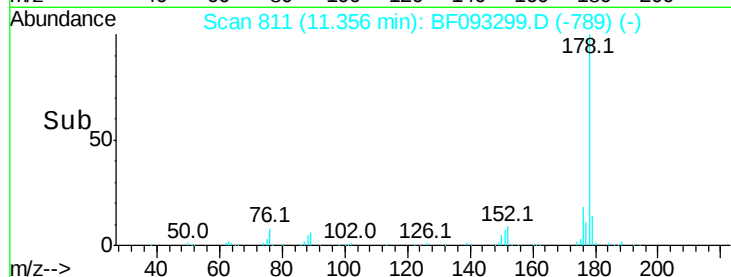
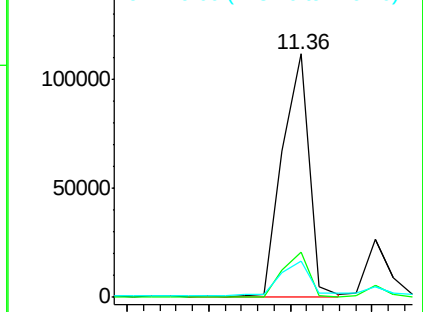
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.04 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093299.D

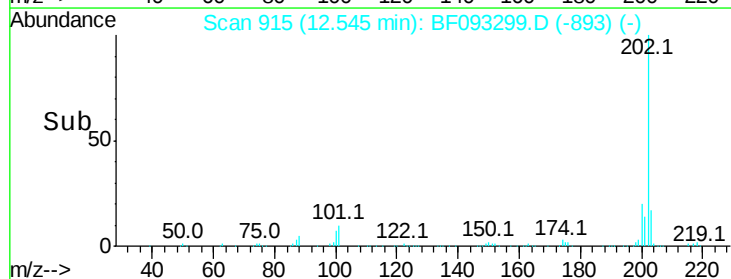
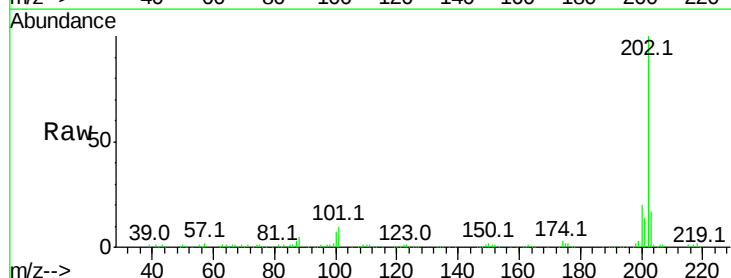
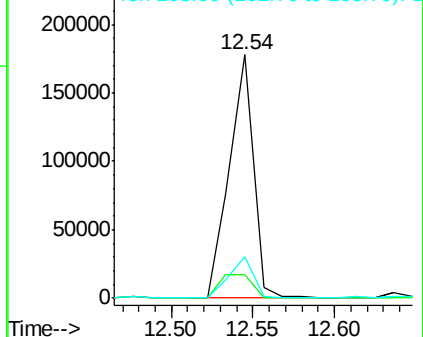
Acq: 1 Mar 2017 19:47

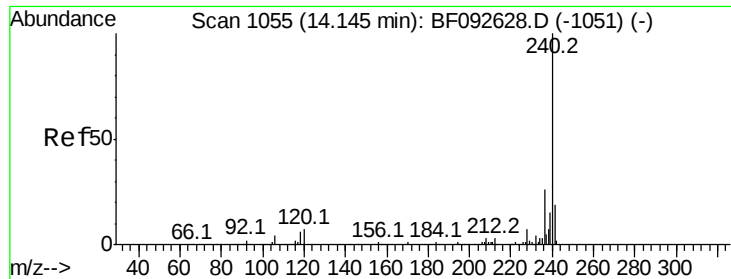
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.6
203	16.9	0.0	38.7

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

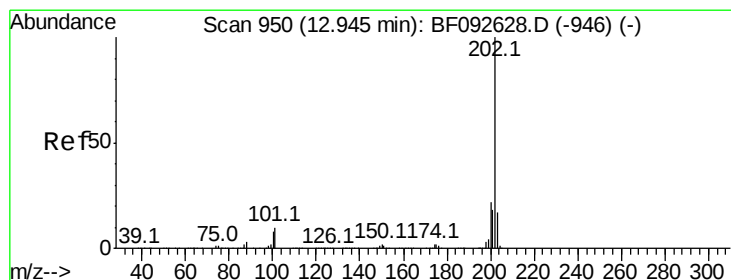
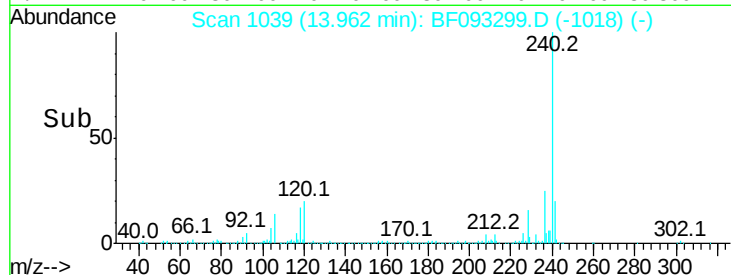
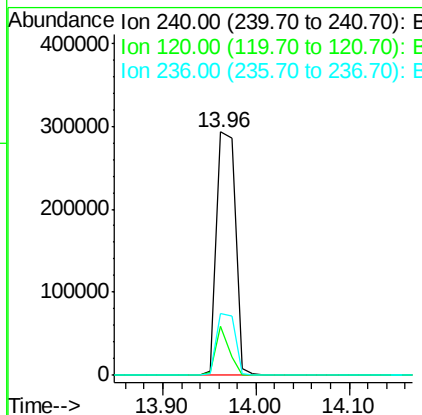
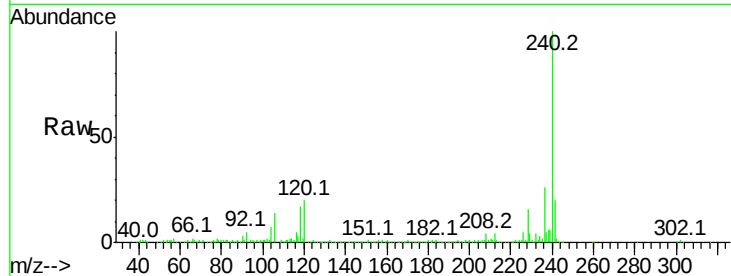
ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion:	240	Resp:	410413
Ion Ratio	Lower	Upper	
240	100		
120	20.0	12.9	19.3#
236	25.6	20.9	31.3

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#77

Pyrene

Concen: 5.89 ng

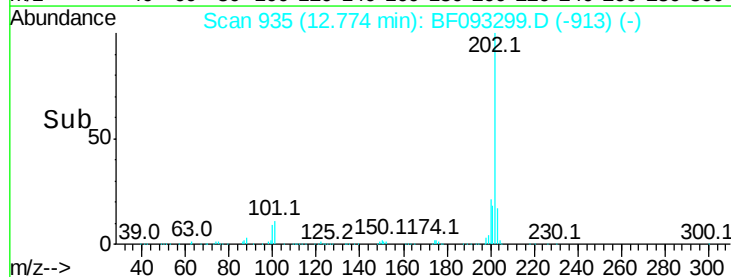
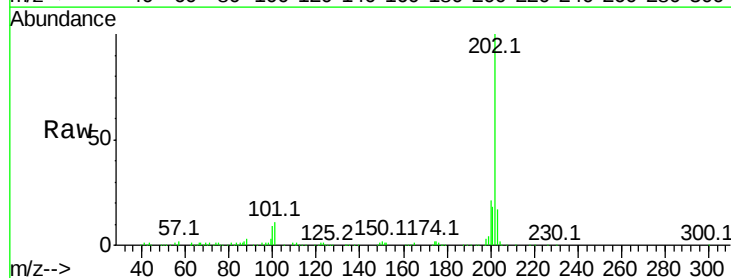
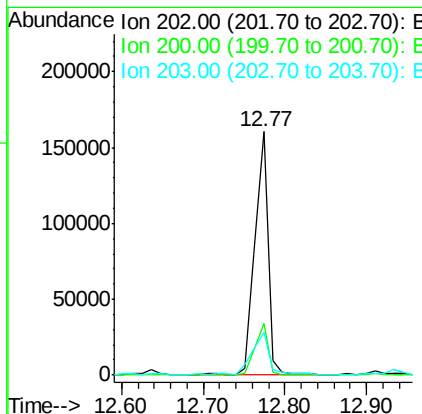
RT: 12.77 min Scan# 935

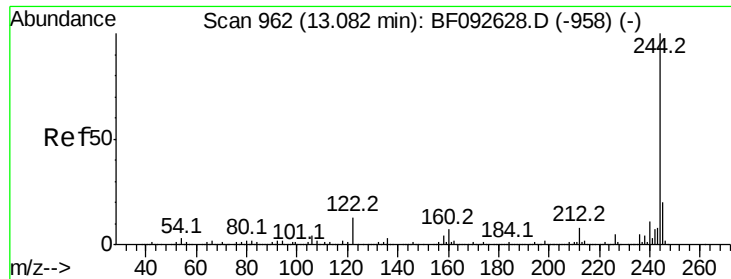
Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Tgt Ion:	202	Resp:	180779
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.4	14.7	22.1





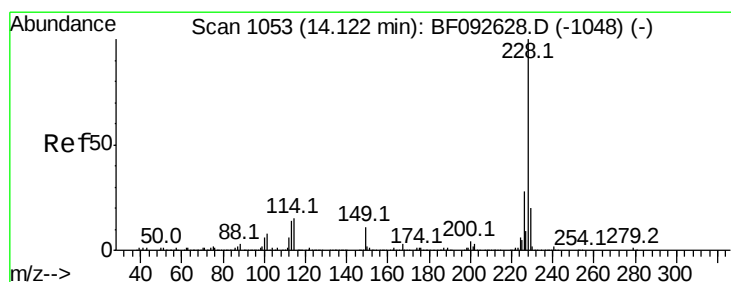
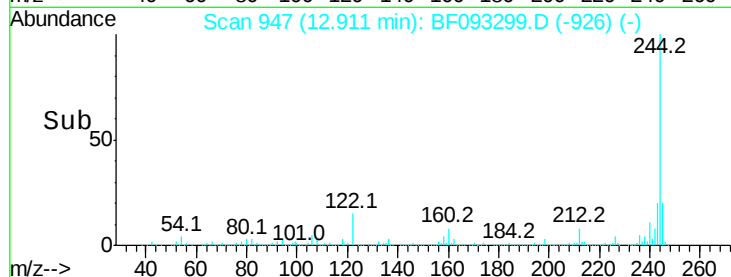
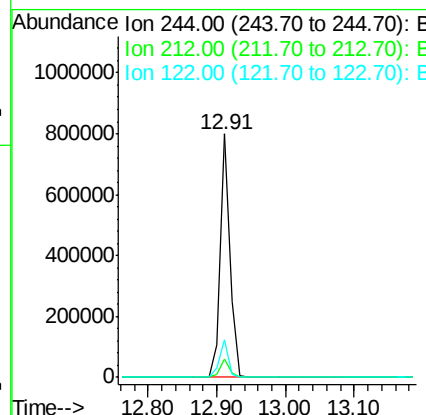
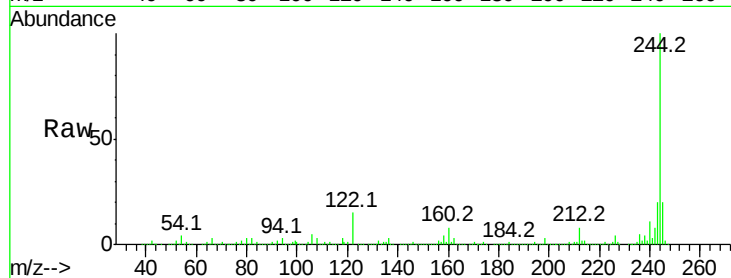
#78
 Terphenyl-d14
 Concen: 45.84 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093299.D
 Acq: 1 Mar 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	15.4	11.4	17.2

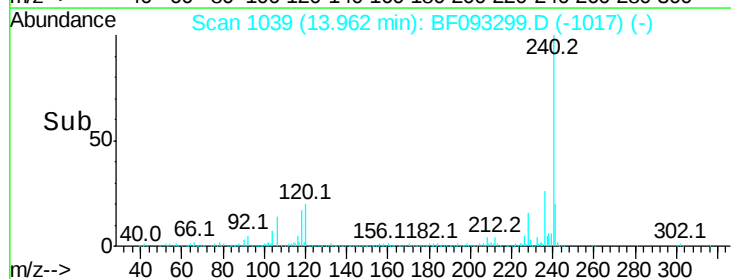
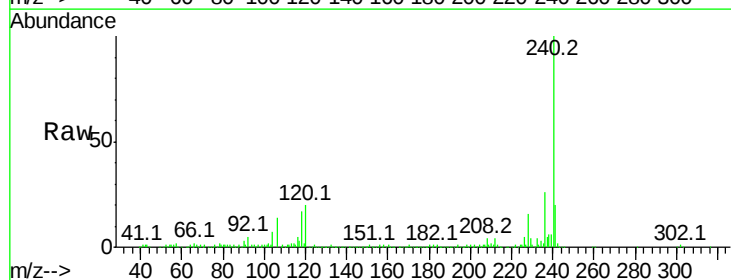
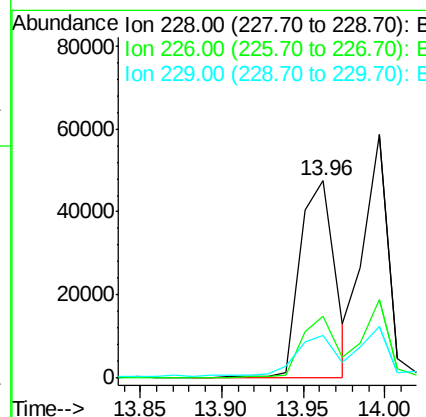
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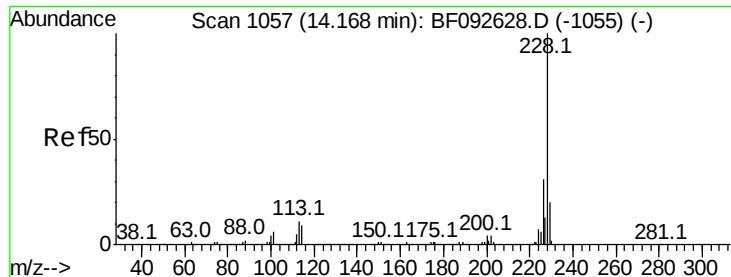
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#80
 Benzo(a)anthracene
 Concen: 2.83 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF093299.D
 Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.4	33.6
229	21.7	16.2	24.4





#82

Chrysene

Concen: 2.66 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Instrument :

BNA_F

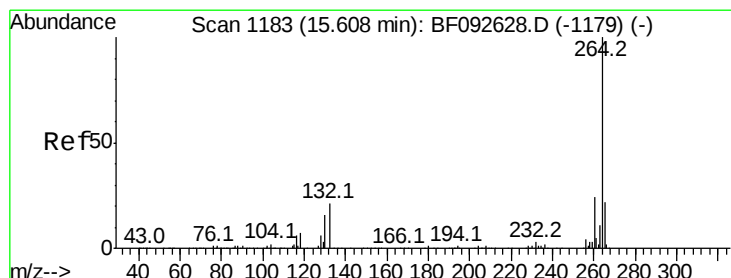
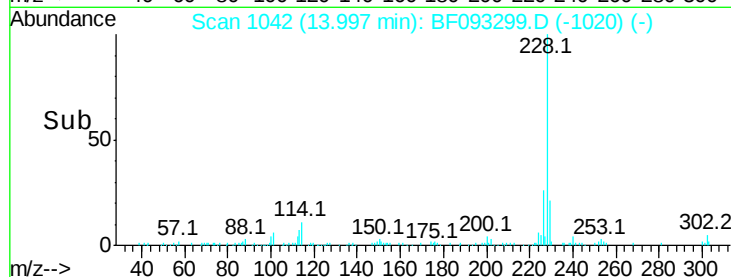
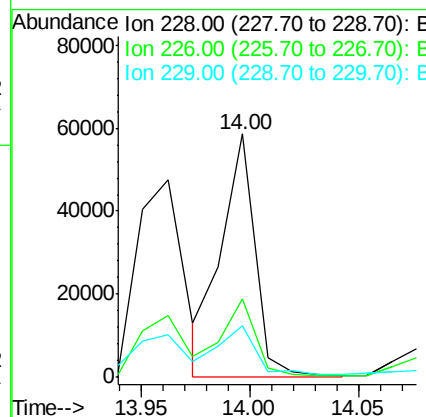
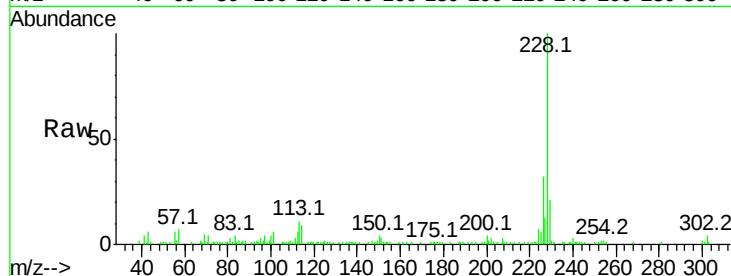
ClientSampleId :

SSP-7(5.5-7.5)

Tot Ion:	228	Resp:	62603
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.4	38.0
229	21.0	16.2	24.2

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

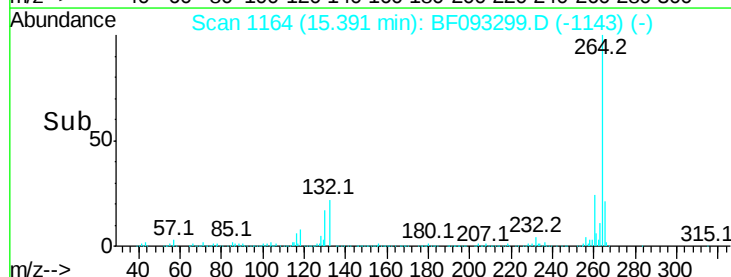
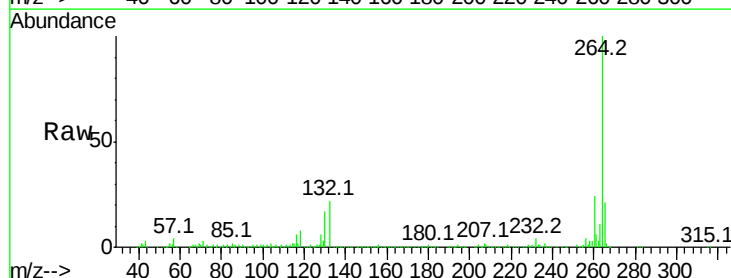
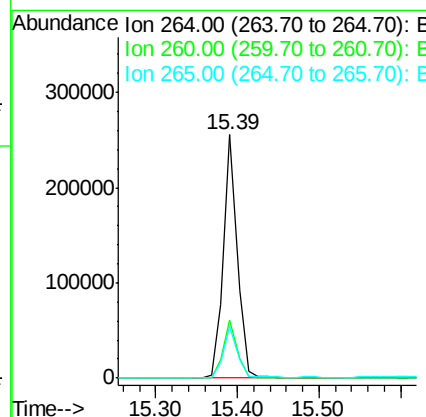
RT: 15.39 min Scan# 1164

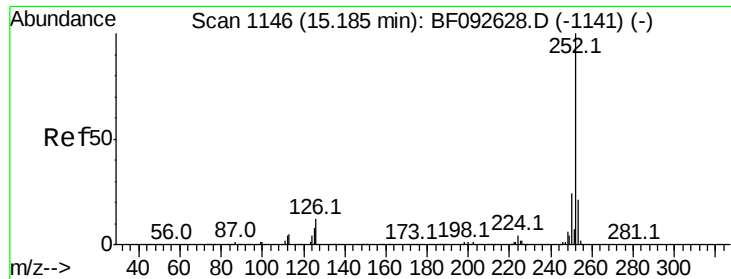
Delta R.T. -0.06 min

Lab File: BF093299.D

Acq: 1 Mar 2017 19:47

Tgt Ion:	264	Resp:	303493
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.1	17.4	26.0





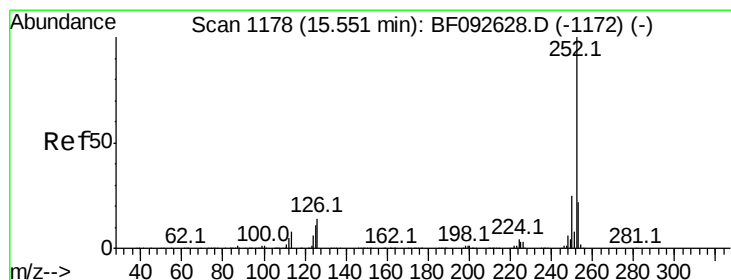
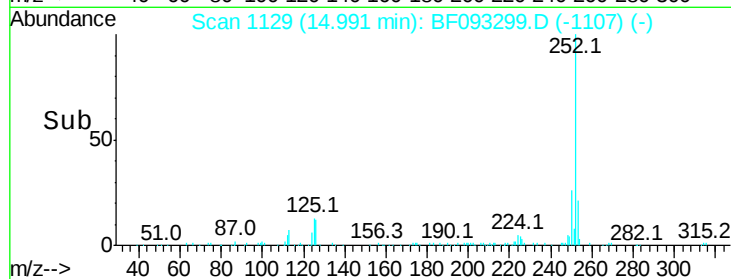
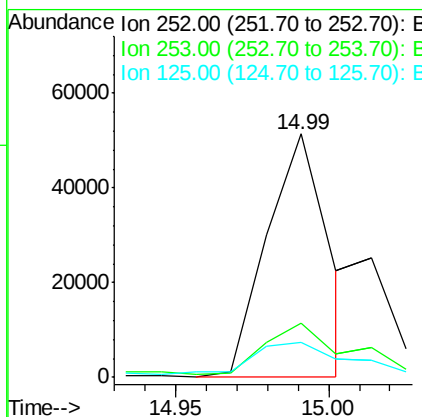
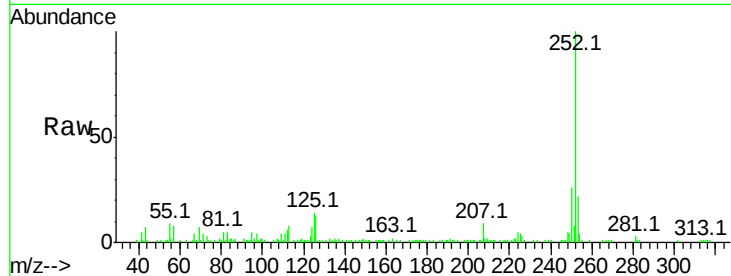
#87
Benzo(b)fluoranthene
Concen: 3.62 ng/mL
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Instrument :
BNA_F
ClientSampleId :
SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	14.3	9.8	14.6

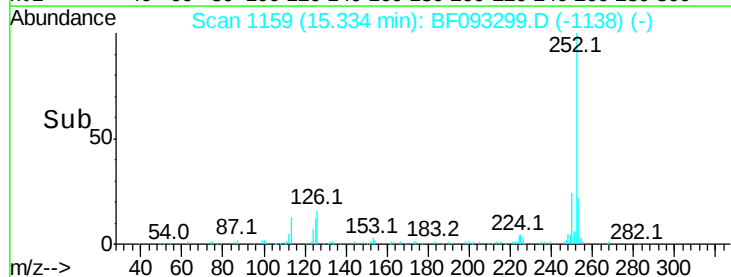
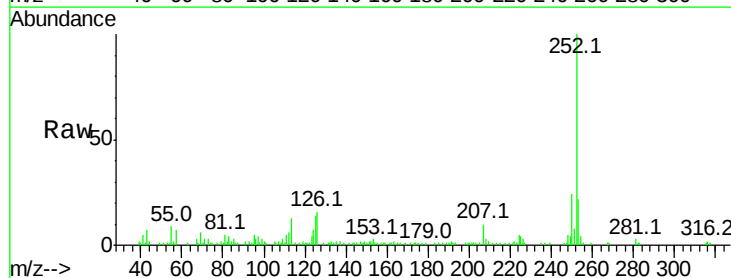
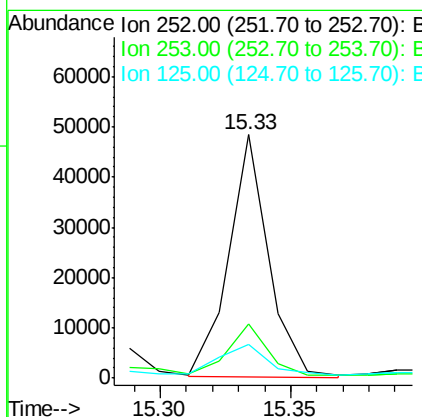
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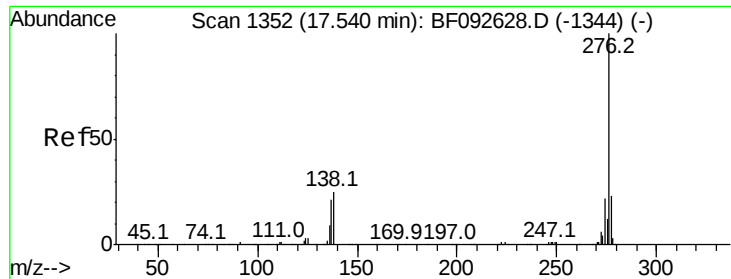
mohammad
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#89
Benzo(a)pyrene
Concen: 3.00 ng/mL
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093299.D
Acq: 1 Mar 2017 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	13.9	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.46 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093299.D
 Acq: 1 Mar 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 SSP-7(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	32.8	16.0	24.0

Manual Integrations
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