

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093184.D
 Acq On : 25 Feb 2017 11:12
 Operator : SJ/MA
 Sample : I1972-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2

Manual Integrations
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Quant Time: Feb 27 10:21:47 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	153758	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	568805	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	249179	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	364694	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	268719	20.00	ng	0.00
86) Perylene-d12	15.45	264	286319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	965305	107.71	ng	-0.02
7) Phenol-d6	6.48	99	1166111	101.12	ng	-0.01
23) Nitrobenzene-d5	7.40	82	698783	68.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	168334	93.40	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1154928	83.97	ng	-0.01
78) Terphenyl-d14	12.96	244	675492	59.06	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.49	94	75808	5.62	ng	# 72
31) Naphthalene	8.14	128	63099	2.19	ng	99
48) Acenaphthylene	9.74	152	169265	6.94	ng	97
49) Dimethylphthalate	9.60	163	110632	6.59	ng	99
51) Acenaphthene	9.90	154	63684	4.37	ng	97
54) Dibenzofuran	10.09	168	87513	4.49	ng	# 88
57) Fluorene	10.42	166	126986m	8.46	ng	
70) Phenanthrene	11.39	178	1698620	81.30	ng	99
71) Anthracene	11.44	178	484861	23.11	ng	98
72) Carbazole	11.60	167	299976	14.96	ng	98
74) Fluoranthene	12.59	202	2595516	120.43	ng	97
77) Pvrene	12.82	202	2343453	116.53	ng	100
80) Benzo(a)anthracene	14.01	228	1531595	93.19	ng	96
82) Chrysene	14.04	228	1263439	82.10	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	615760	51.66	ng	99
87) Benzo(b)fluoranthene	15.05	252	1770145m	93.93	ng	
88) Benzo(k)fluoranthene	15.07	252	429216m	26.38	ng	
89) Benzo(a)pyrene	15.39	252	1065697m	65.37	ng	
90) Dibenzo(a,h)anthracene	16.87	278	164111m	12.46	ng	
91) Benzo(a,h,i)perylene	17.29	276	520692	39.12	ng	# 90

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

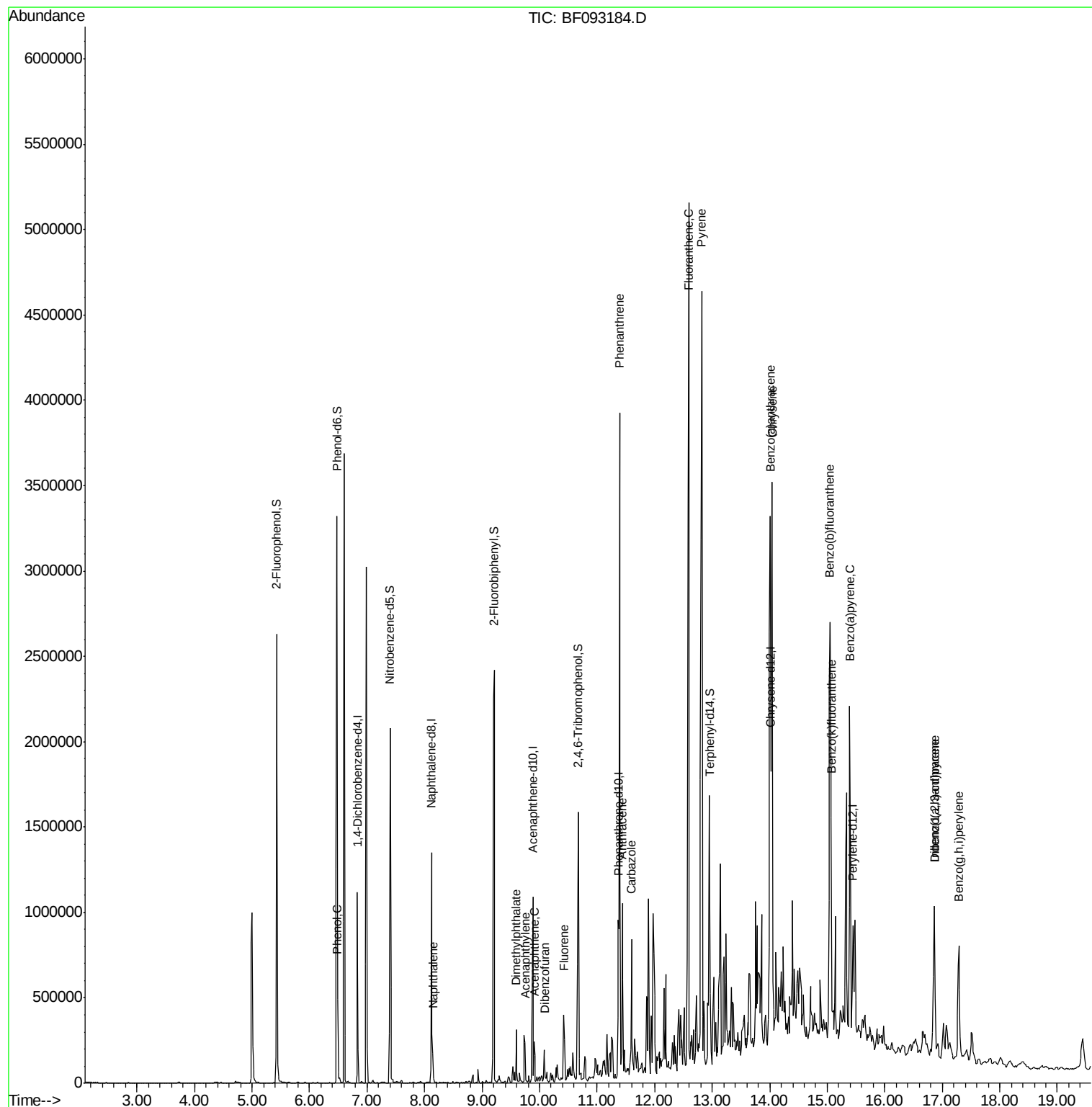
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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ALS Vial : 37 Sample Multiplier: 1

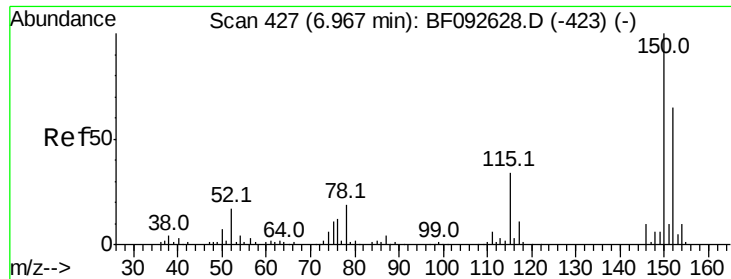
Instrument :
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E2B21-WESTSW-2

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

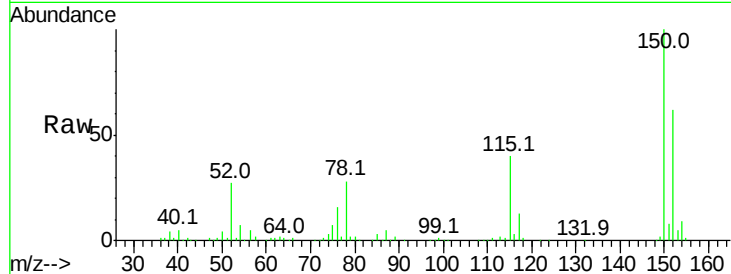
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

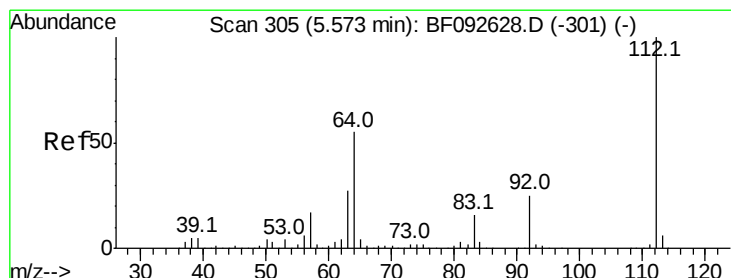
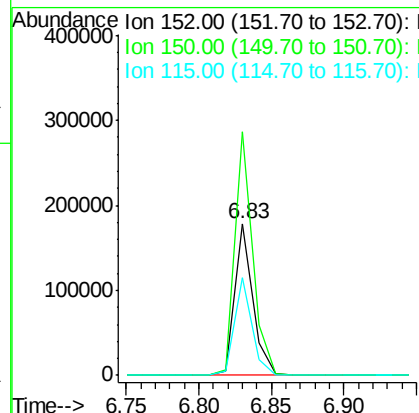
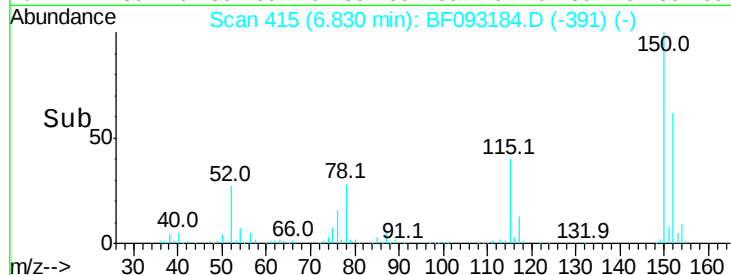
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.9	187.3
115	64.5	46.0	69.0

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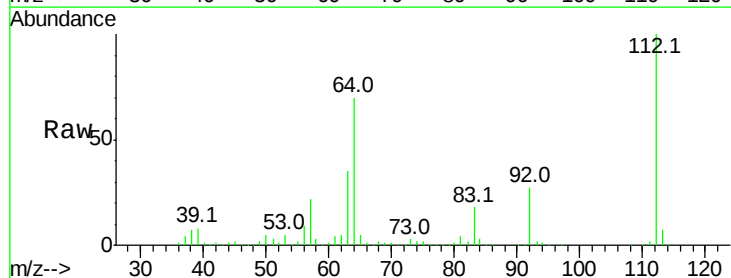
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



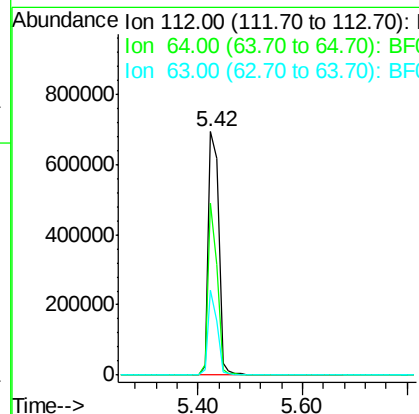
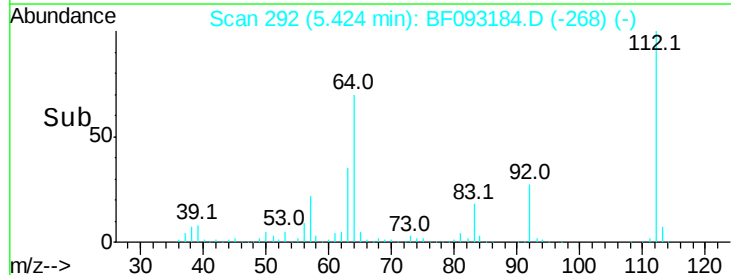
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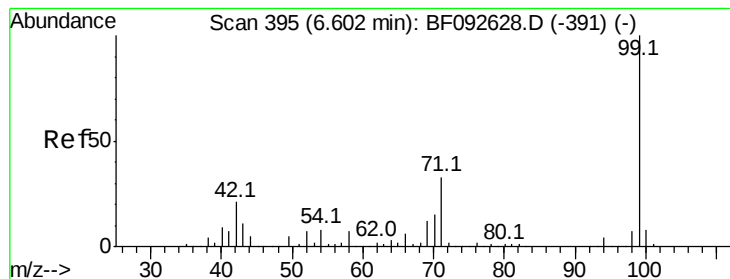
2-Fluorophenol
Concen: 107.71 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	46.1	69.1#
63	34.9	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.12 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-2

Tot Ion: 99 Resp: 1166111

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

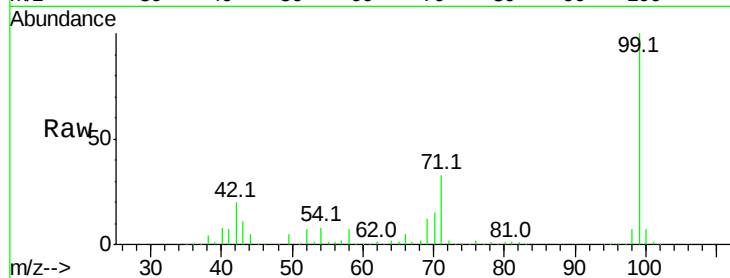
71 32.6 27.5 41.3

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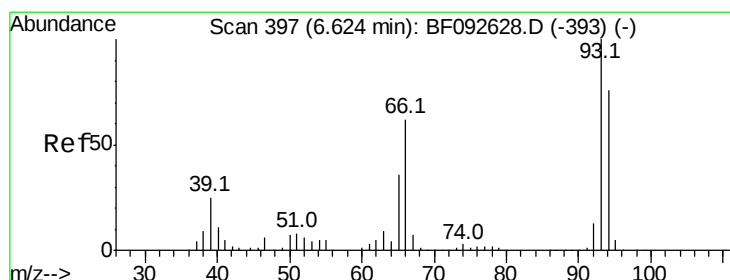
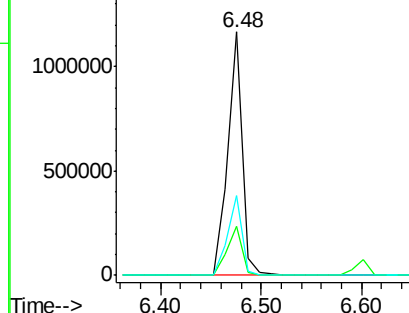
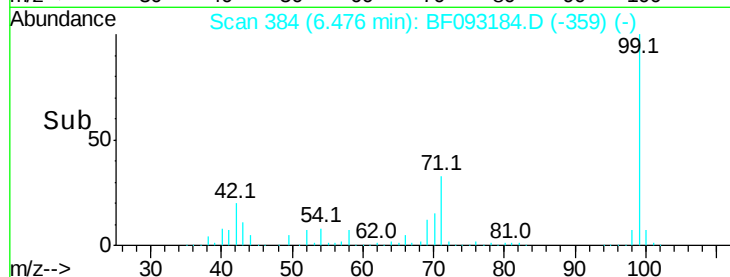
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.62 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

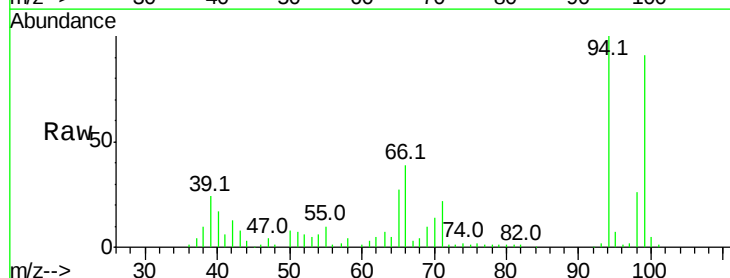
Tgt Ion: 94 Resp: 75808

Ion Ratio Lower Upper

94 100

65 27.5 21.4 61.4

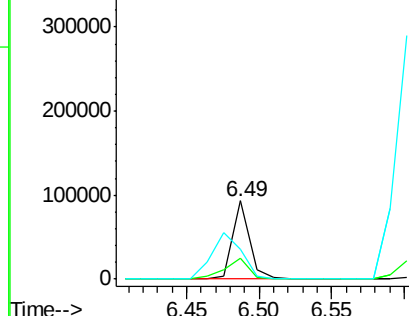
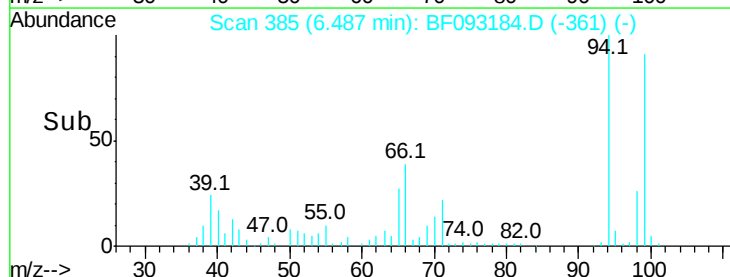
66 39.1 44.0 84.0#



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





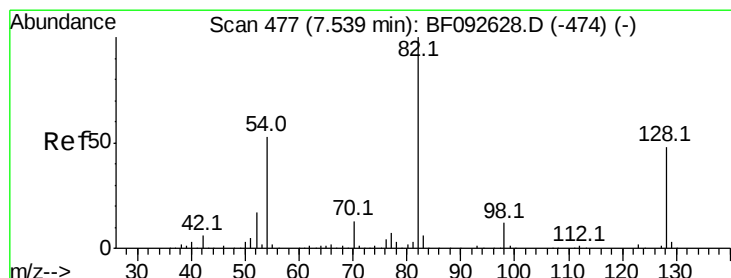
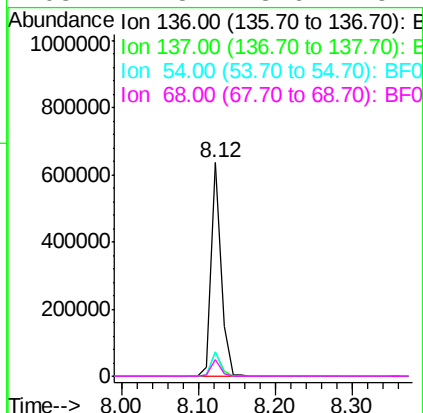
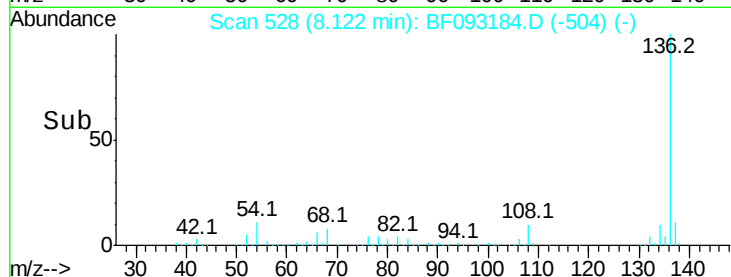
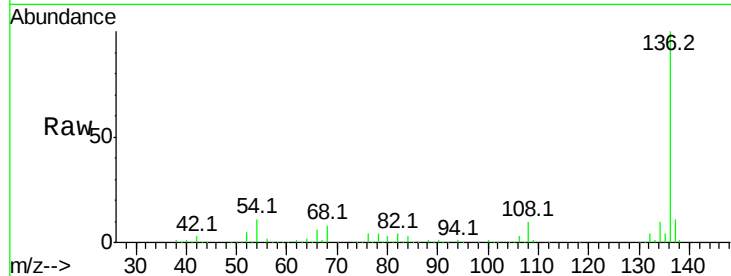
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.4	12.6
54	11.3	4.5	6.7#
68	7.8	3.6	5.4#

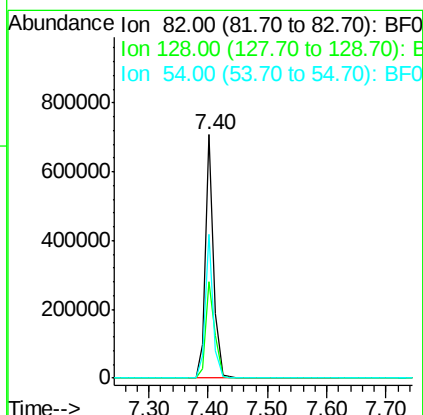
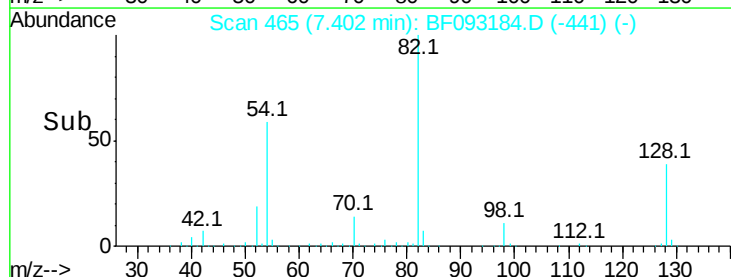
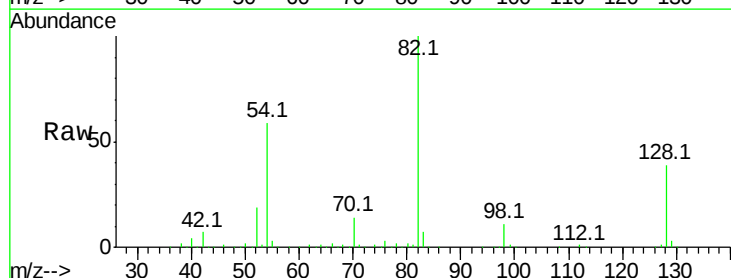
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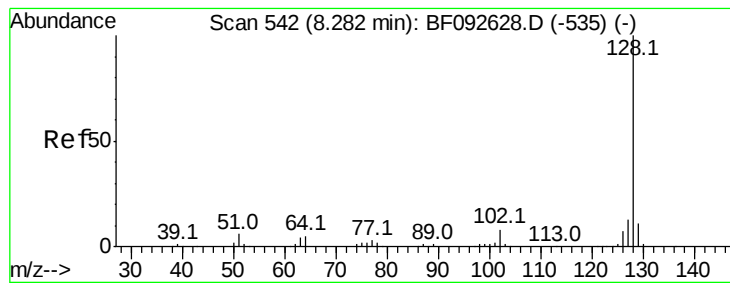
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#23
Nitrobenzene-d5
Concen: 68.41 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

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





#31

Naphthalene

Concen: 2.19 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Instrument :

BNA_F

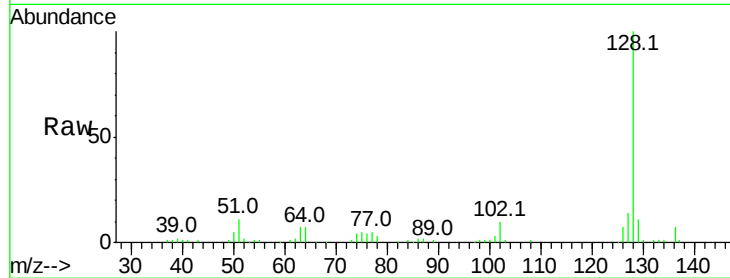
ClientSampleId :

E2B21-WESTSW-2

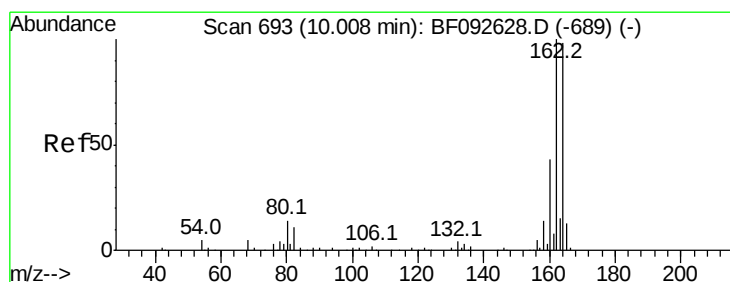
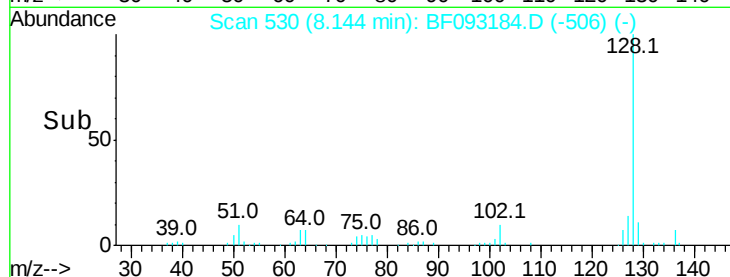
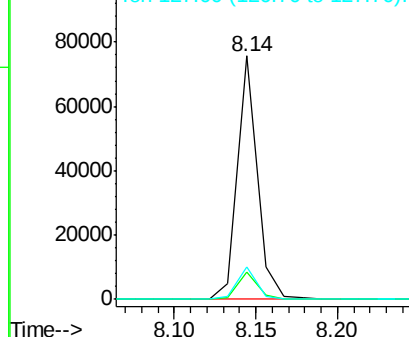
Tot Ion:	128	Resp:	63099
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.5	14.3
127	13.6	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

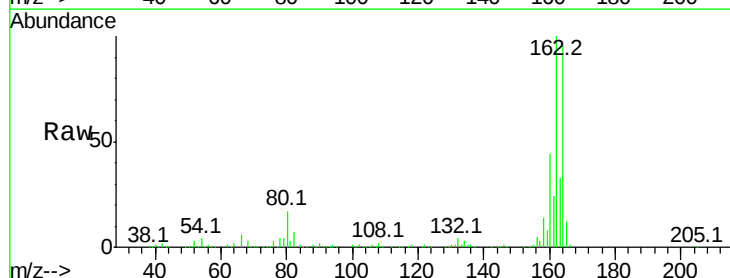
RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

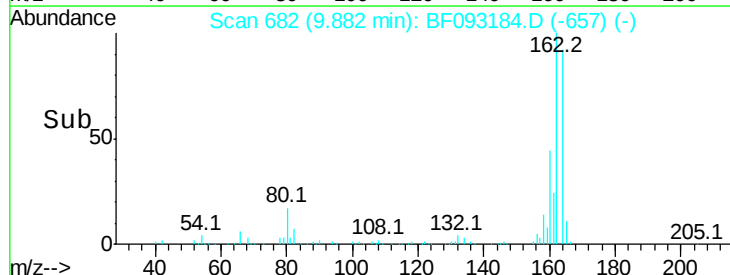
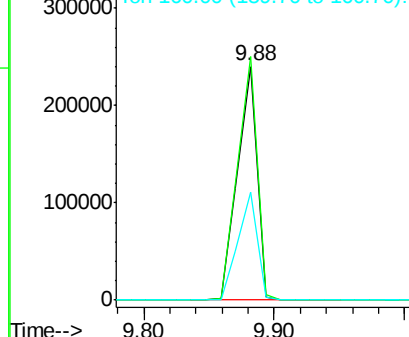
Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Tgt Ion:	164	Resp:	249179
Ion Ratio	Lower	Upper	
164	100		
162	104.1	80.2	120.2
160	46.0	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





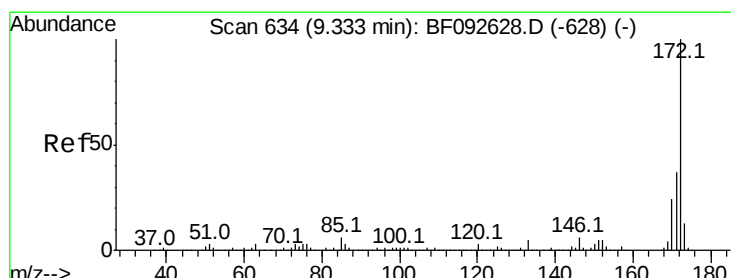
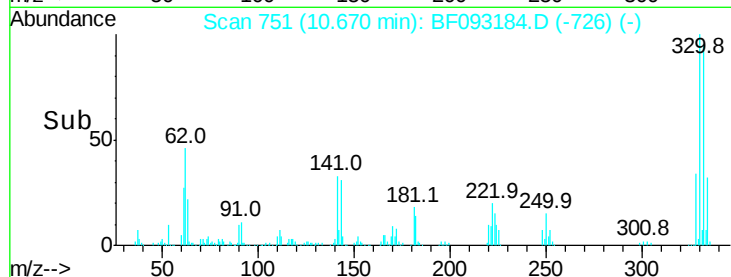
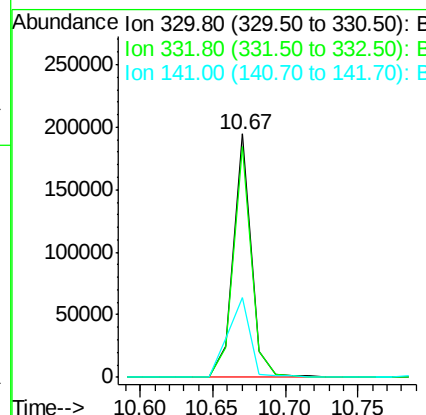
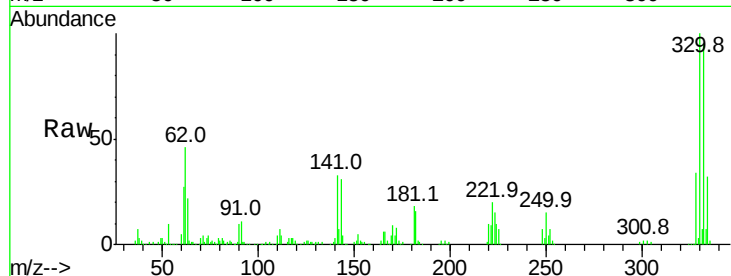
#41
 2,4,6-Tribromophenol
 Concen: 93.40 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	168334		
332	95.6	77.4	116.2	
141	41.9	34.1	51.1	

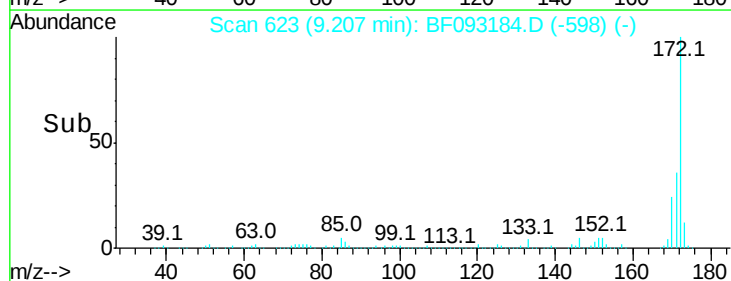
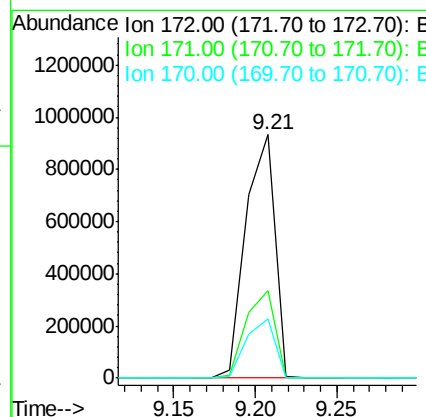
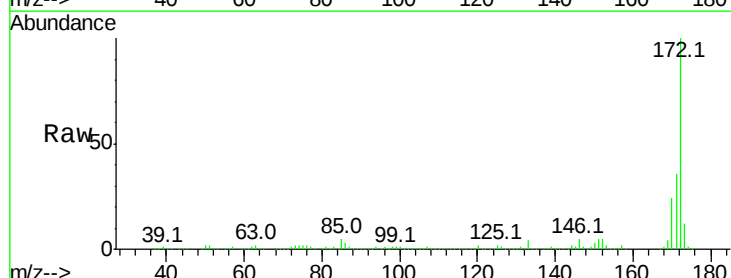
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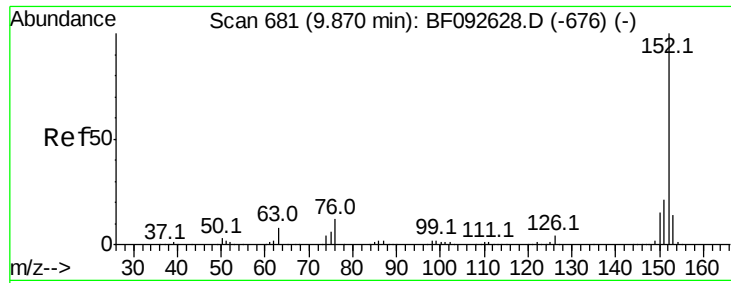
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#44
 2-Fluorobiphenyl
 Concen: 83.97 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1154928		
171	36.0	29.4	44.0	
170	24.1	20.2	30.4	





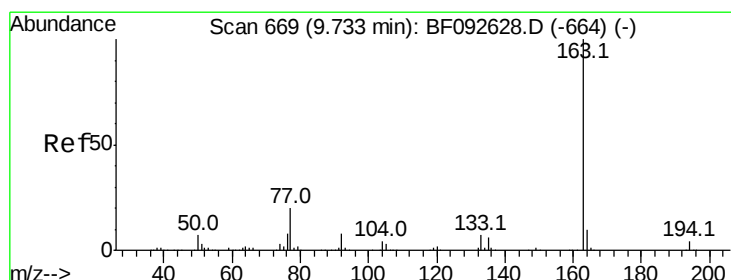
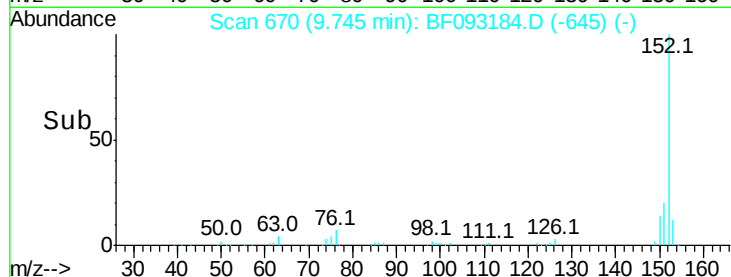
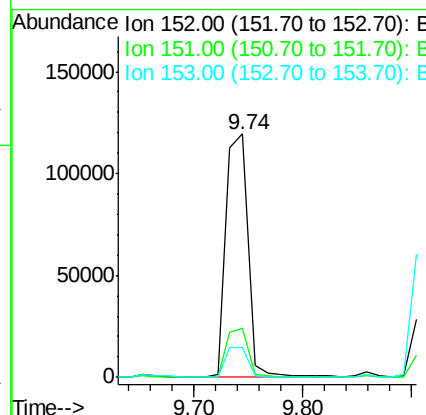
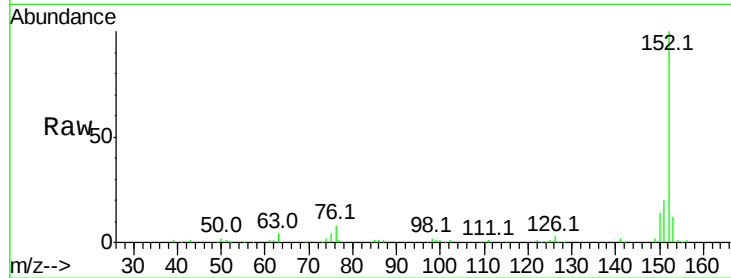
#48
Acenaphthylene
Concen: 6.94 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.9	25.3
153	12.5	11.4	17.2

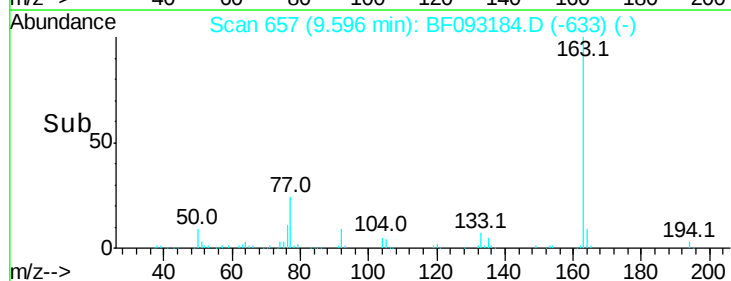
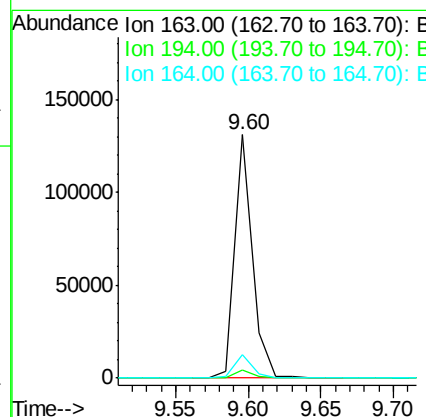
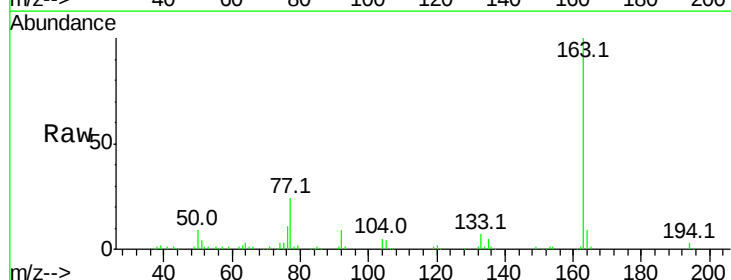
Manual Integrations
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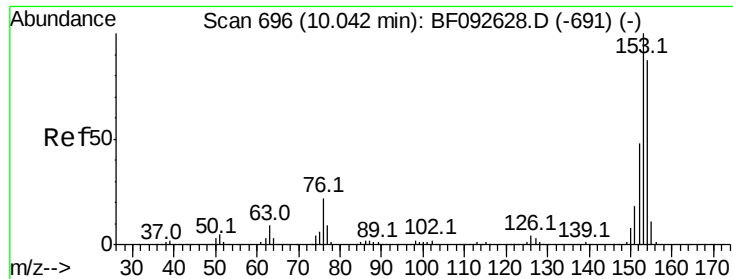
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#49
Dimethylphthalate
Concen: 6.59 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	9.4	8.0	12.0





#51

Acenaphthene

Concen: 4.37 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Instrument :

BNA_F

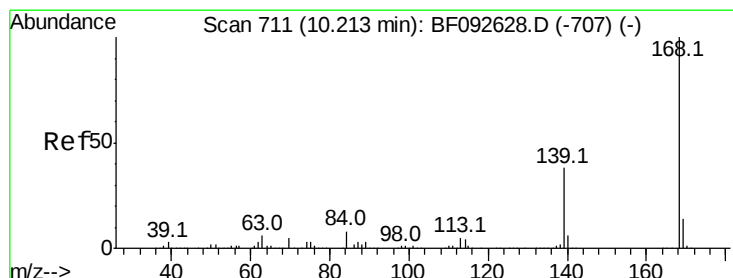
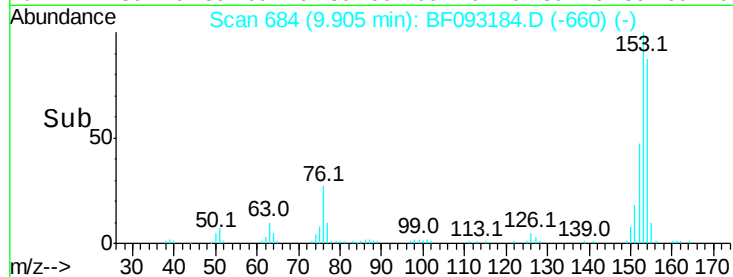
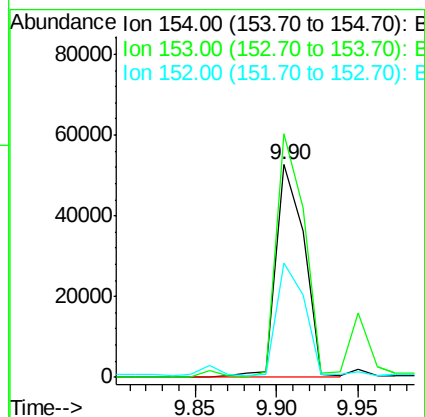
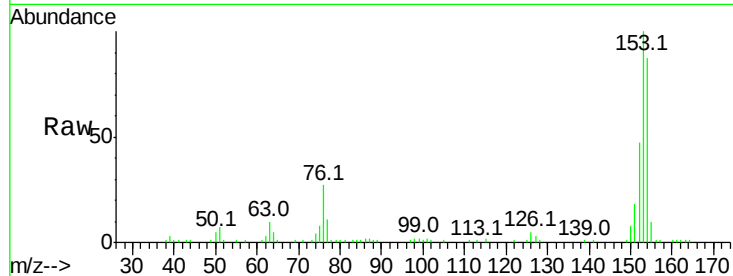
ClientSampleId :

E2B21-WESTSW-2

Tot Ion:	154	Resp:	63684
Ion	Ratio	Lower	Upper
154	100		
153	114.5	88.6	133.0
152	53.9	41.6	62.4

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#54

Dibenzofuran

Concen: 4.49 ng

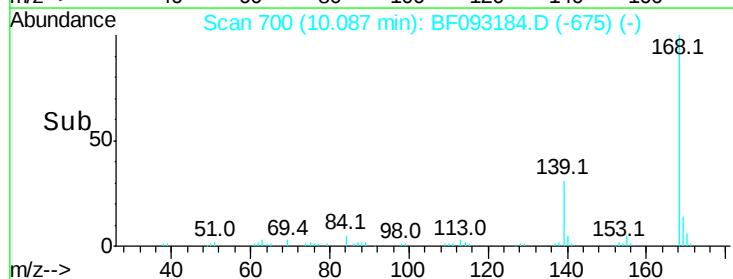
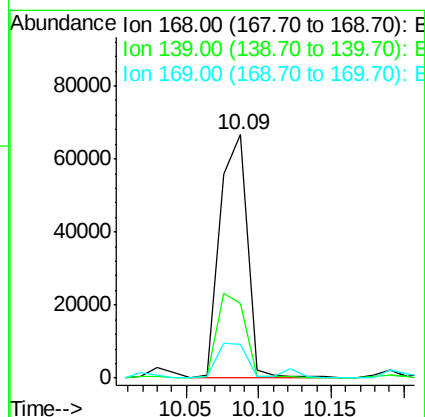
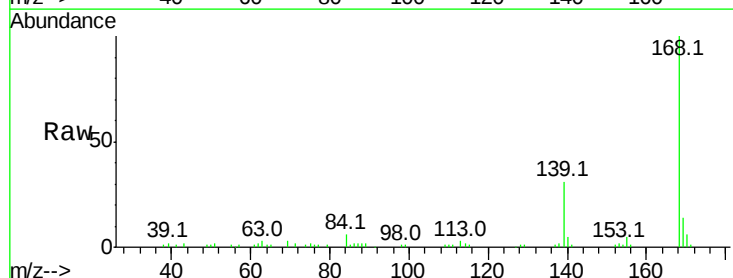
RT: 10.09 min Scan# 700

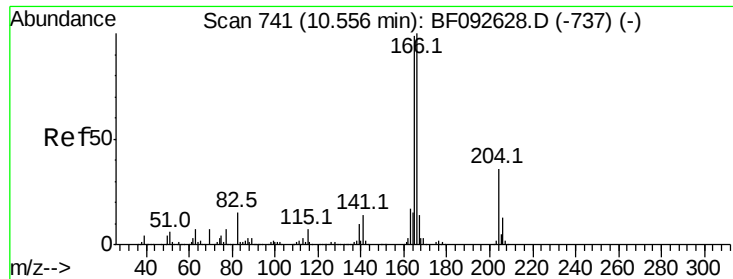
Delta R.T. -0.01 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Tgt Ion:	168	Resp:	87513
Ion	Ratio	Lower	Upper
168	100		
139	30.7	32.6	49.0#
169	13.7	11.3	16.9





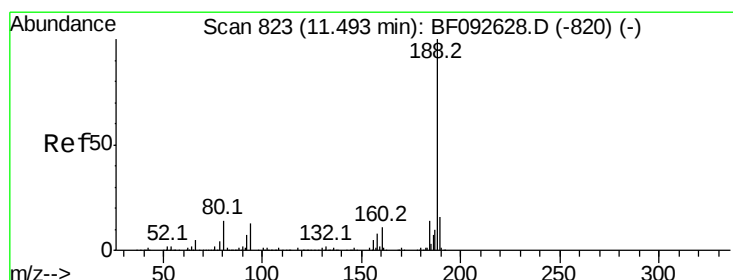
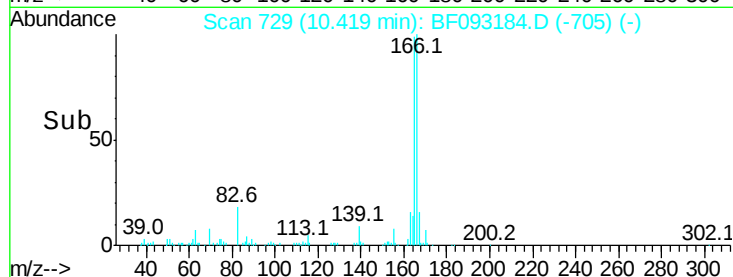
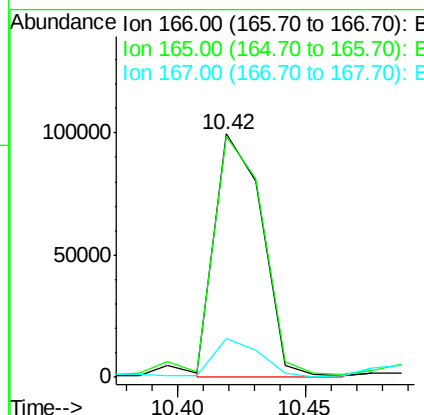
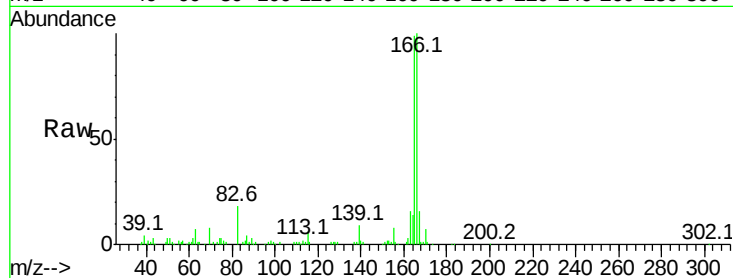
#57
Fluorene
 Concen: 8.46 ng/mL
 RT: 10.42 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	126986		
165	99.0		77.8	116.8
167	15.9		10.8	16.2

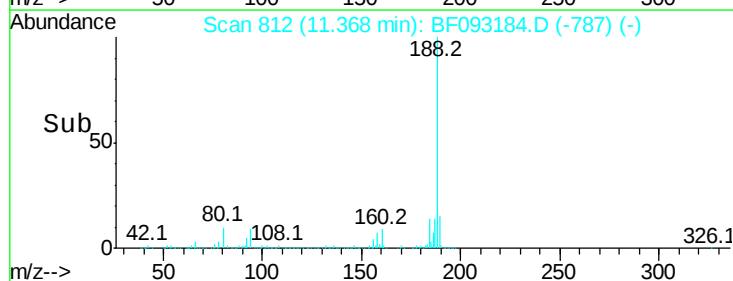
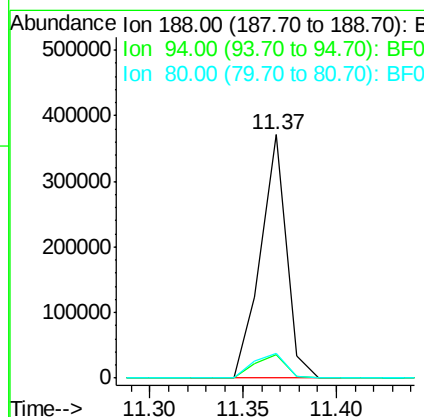
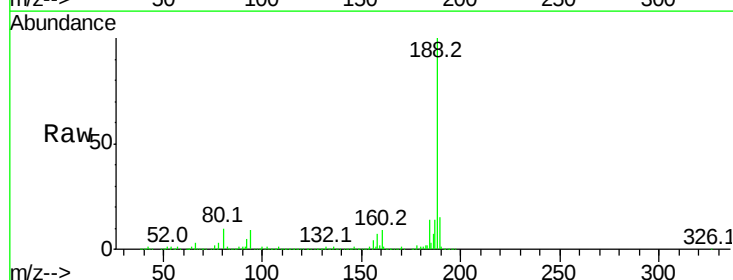
Manual Integrations
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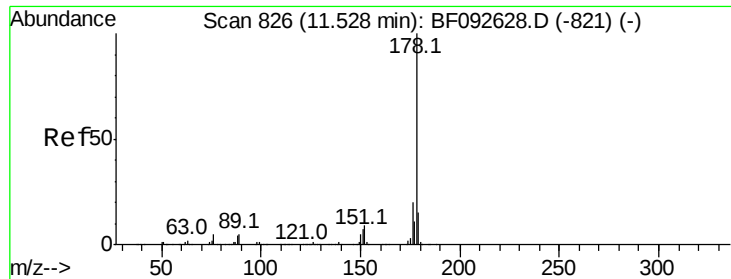
mohammad
 2/27/2017 1:08:42 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng/mL
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	364694		
94	9.4		10.0	15.0#
80	10.1		11.2	16.8#





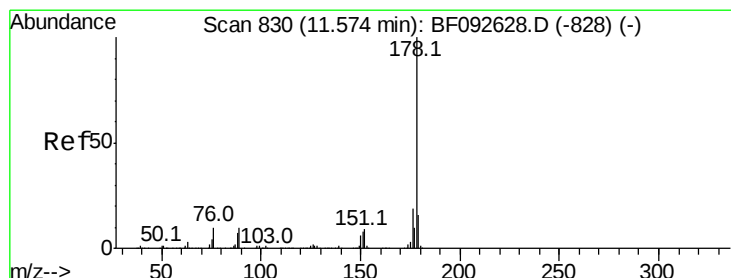
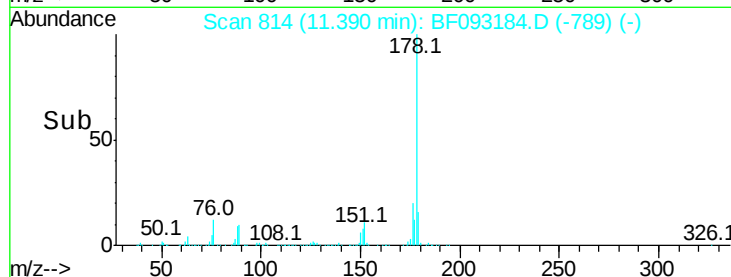
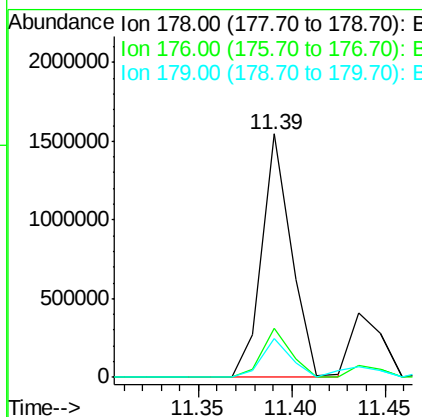
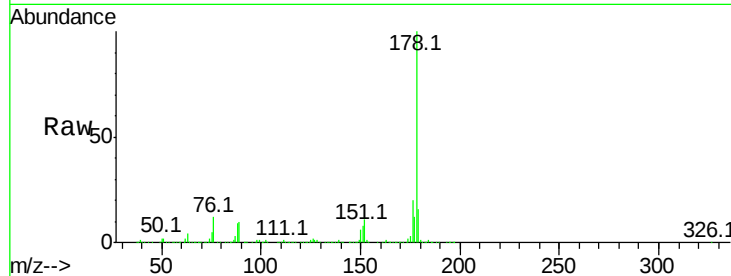
#70
Phenanthrene
Concen: 81.30 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion:178 Resp: 1698620
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 15.9 12.8 19.2

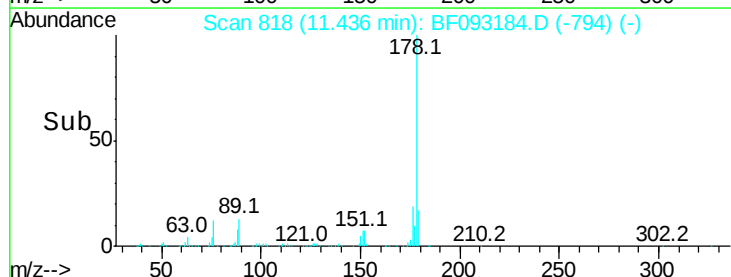
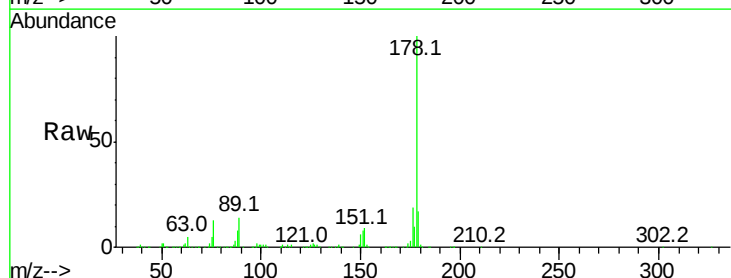
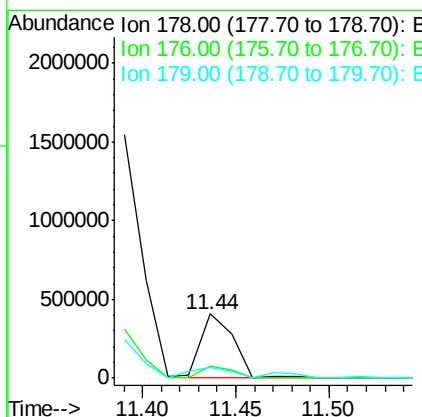
Manual Integrations
APPROVED

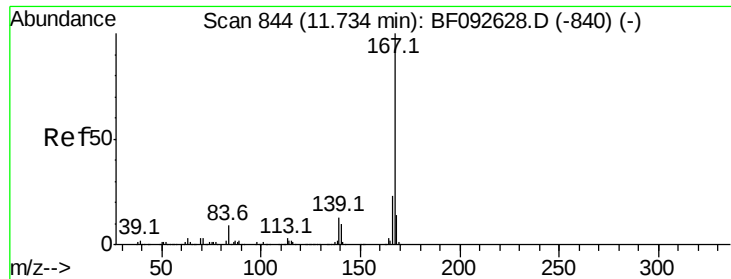
mohammad
2/27/2017 1:08:42 PM



#71
Anthracene
Concen: 23.11 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion:178 Resp: 484861
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 17.3 13.2 19.8





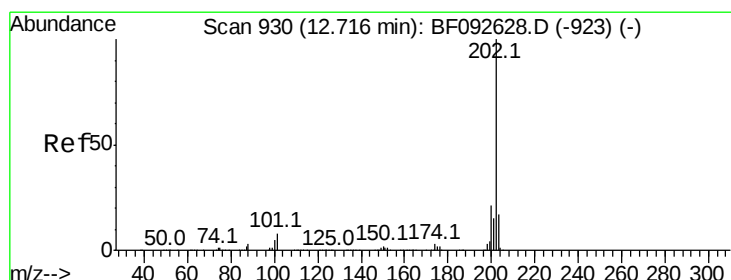
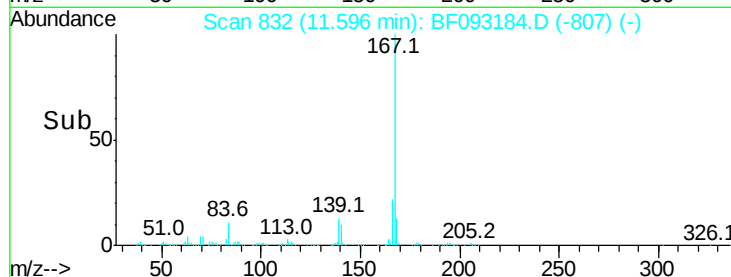
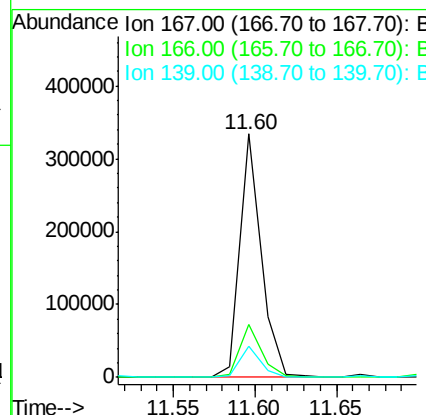
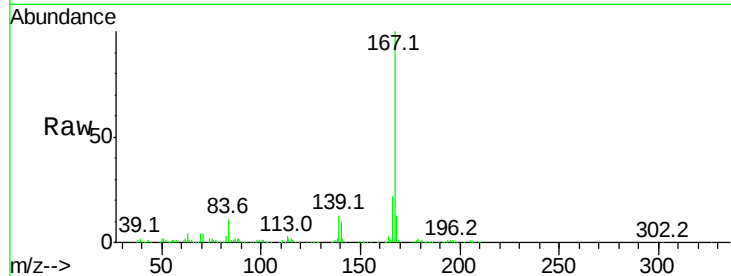
#72
 Carbazole
 Concen: 14.96 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2

Tot Ion	Ratio	Resp	Lower	Upper
167	100	299976		
166	21.8		18.2	27.2
139	12.9		11.4	17.2

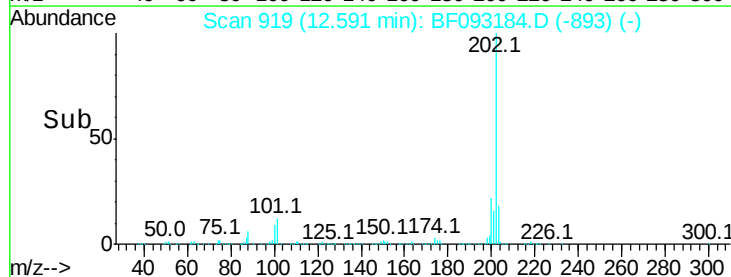
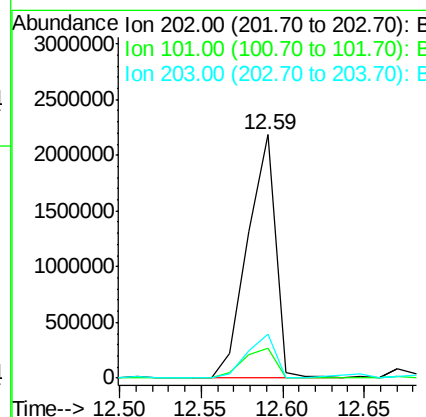
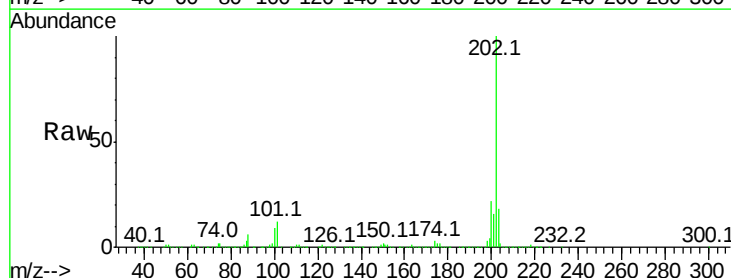
Manual Integrations
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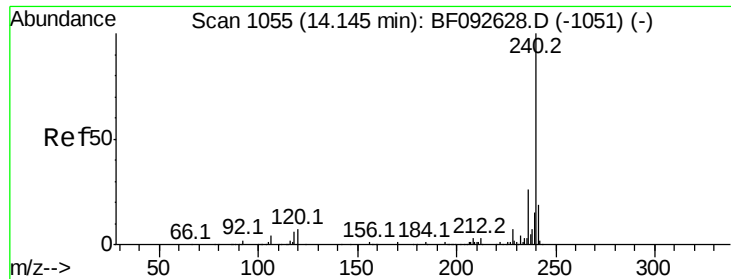
mohammad
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#74
 Fluoranthene
 Concen: 120.43 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2595516		
101	12.5		0.0	34.6
203	18.2		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: BF093184.D

Acq: 25 Feb 2017 11:12

Instrument :

BNA_F

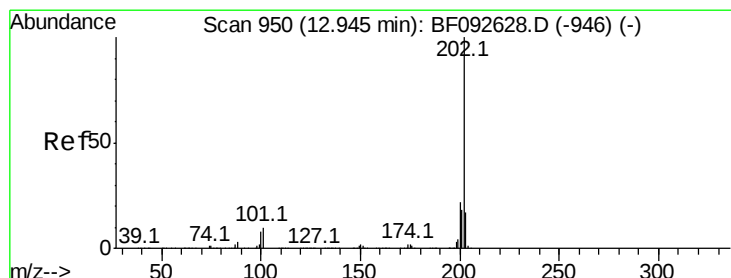
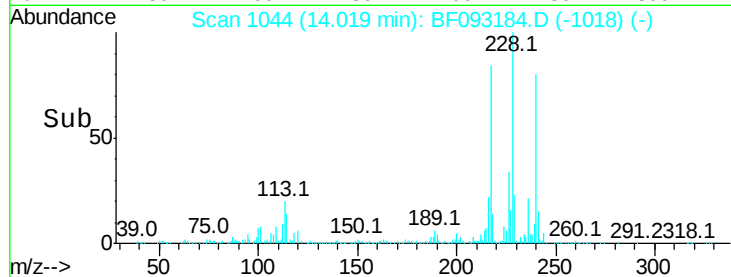
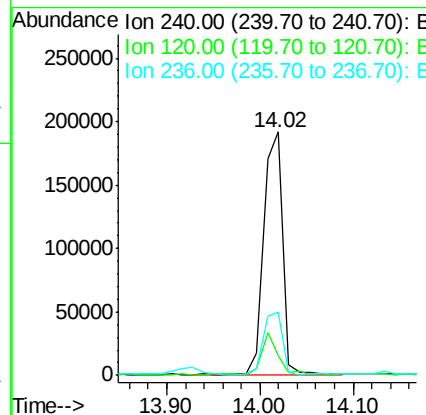
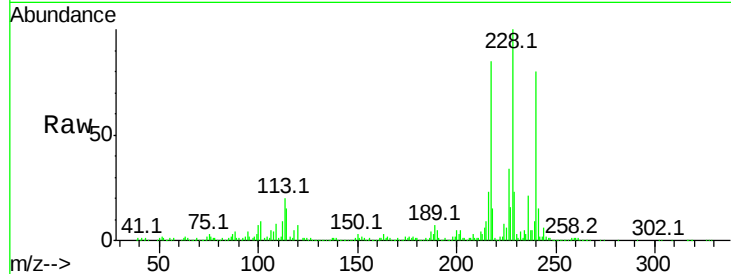
ClientSampleId :

E2B21-WESTSW-2

Tot Ion:	240	Resp:	268719
Ion Ratio	Lower	Upper	
240	100		
120	8.3	12.9	19.3#
236	26.1	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 116.53 ng

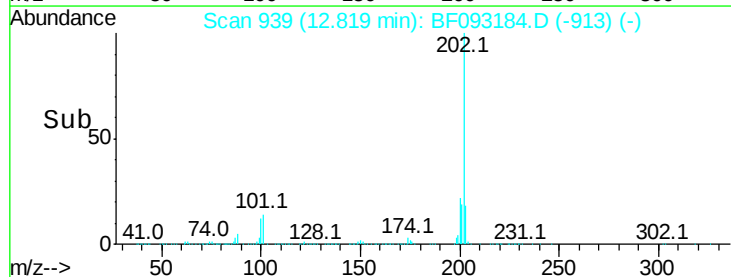
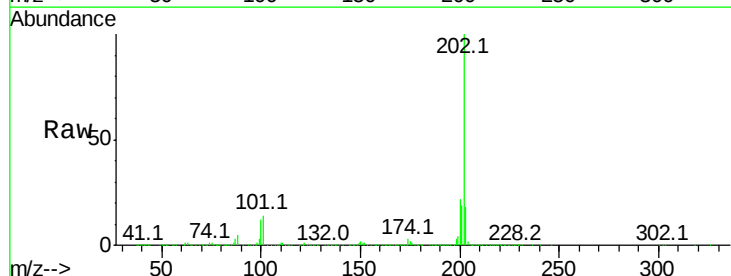
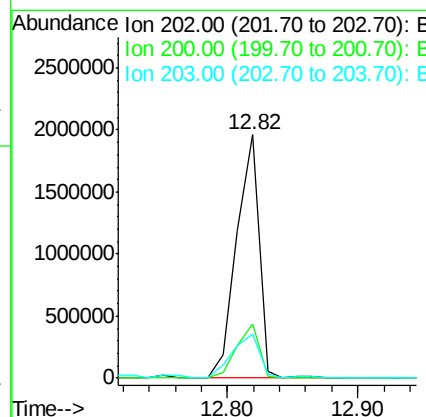
RT: 12.82 min Scan# 939

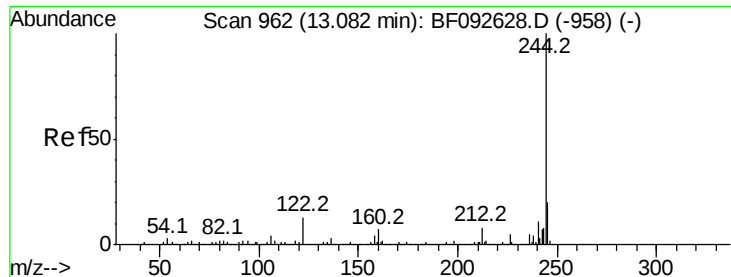
Delta R.T. -0.00 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Tgt Ion:	202	Resp:	2343453
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.7	26.5
203	18.3	14.7	22.1





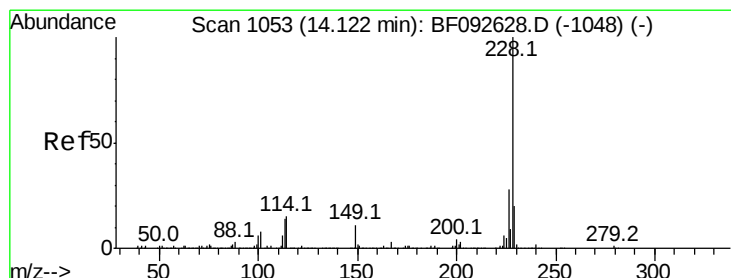
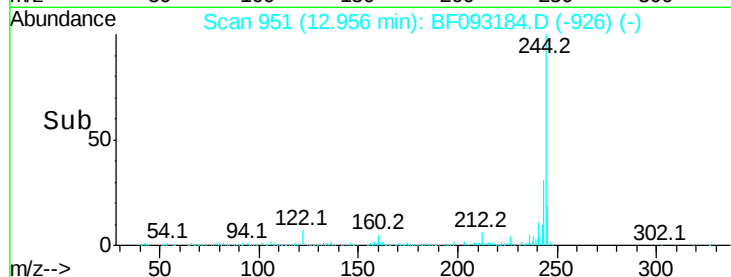
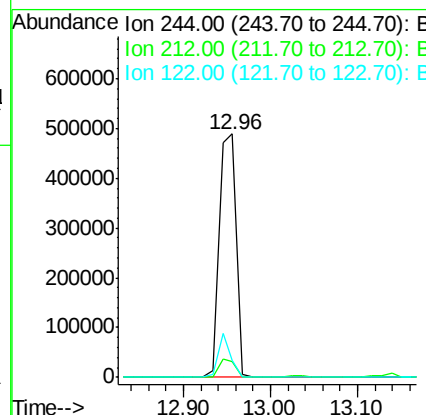
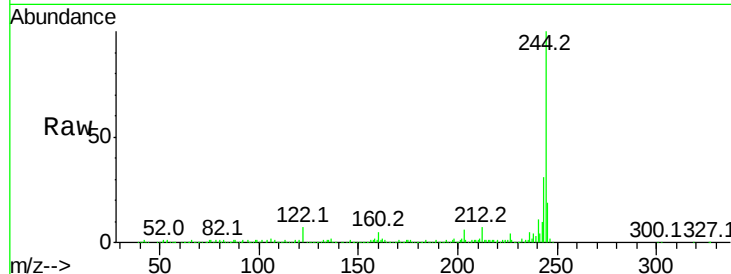
#78
 Terphenyl-d14
 Concen: 59.06 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.2	9.2
122	7.0	11.4	17.2

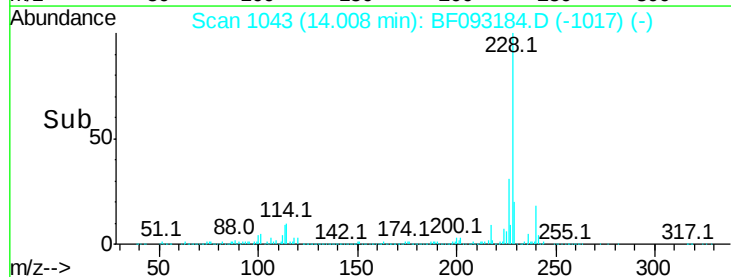
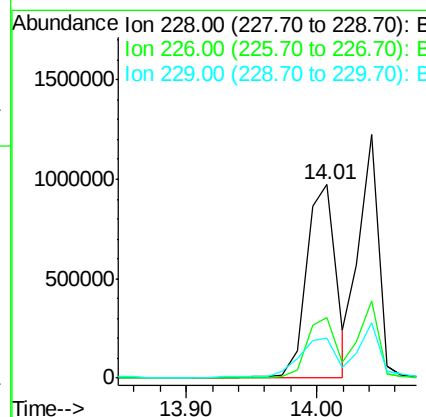
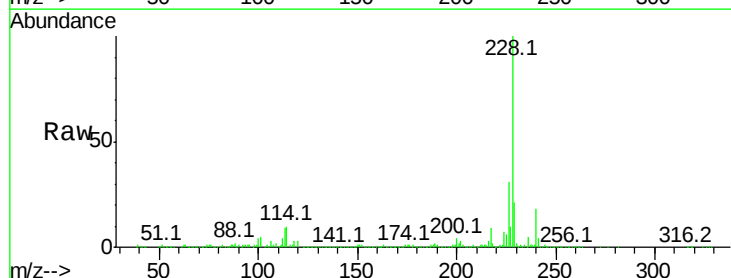
Manual Integrations
 APPROVED

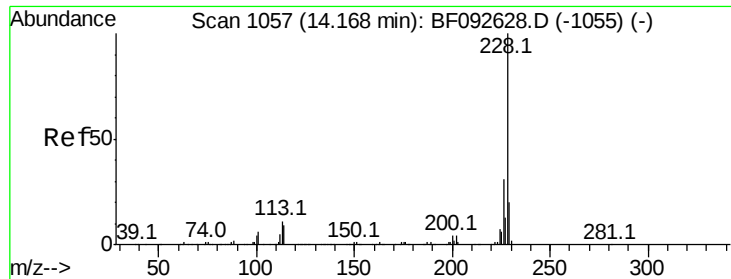
mohammad
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#80
 Benzo(a)anthracene
 Concen: 93.19 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF093184.D
 Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.4	33.6
229	21.0	16.2	24.4





#82

Chrysene

Concen: 82.10 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-2

Tot Ion:228 Resp: 1263439

Ion Ratio Lower Upper

228 100

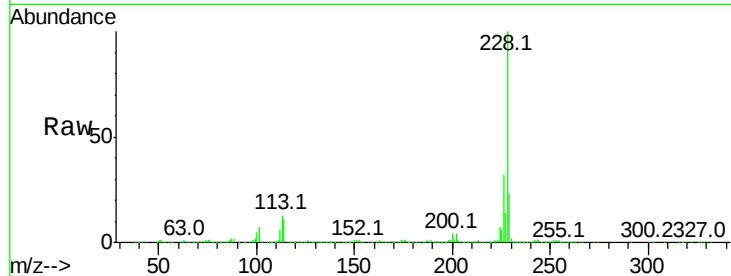
226 31.8 25.4 38.0

229 22.9 16.2 24.2

Manual Integrations
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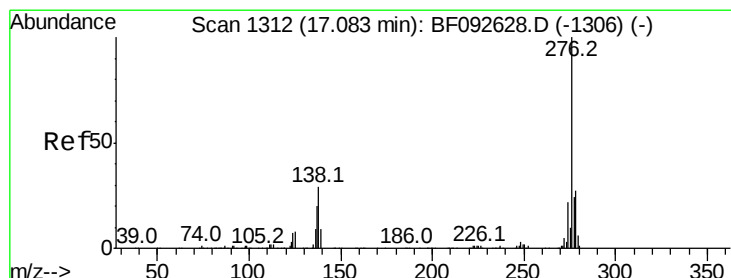
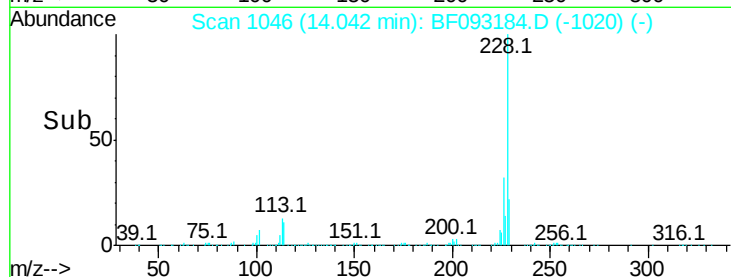
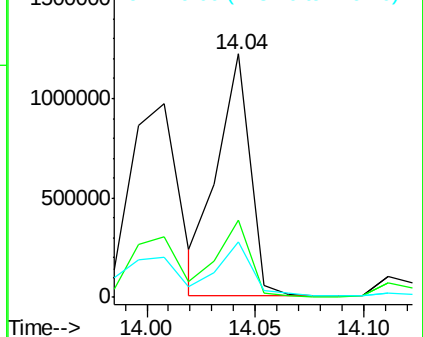
2/27/2017 1:08:42 PM



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 51.66 ng

RT: 16.87 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF093184.D

Acq: 25 Feb 2017 11:12

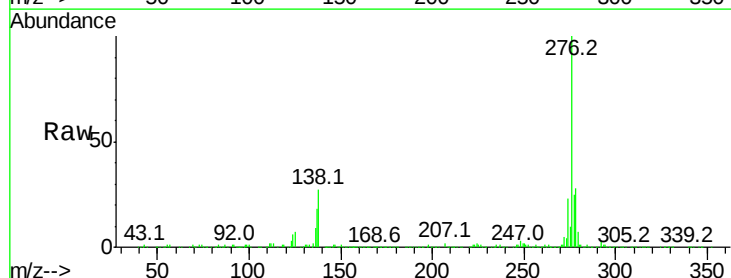
Tgt Ion:276 Resp: 615760

Ion Ratio Lower Upper

276 100

138 27.6 21.8 32.6

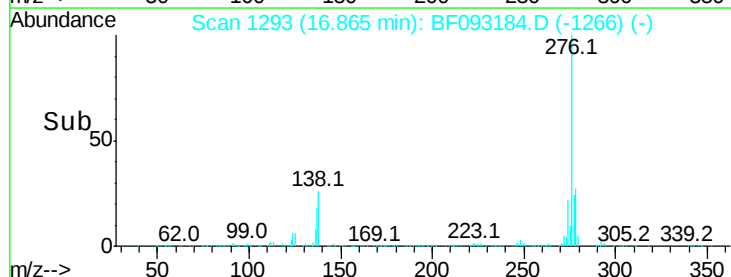
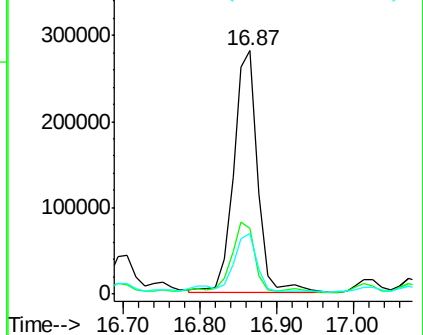
277 25.0 20.2 30.4

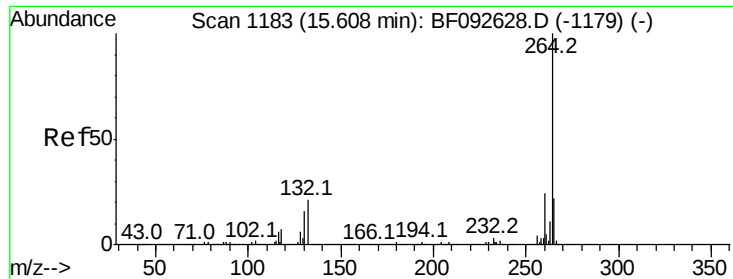


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





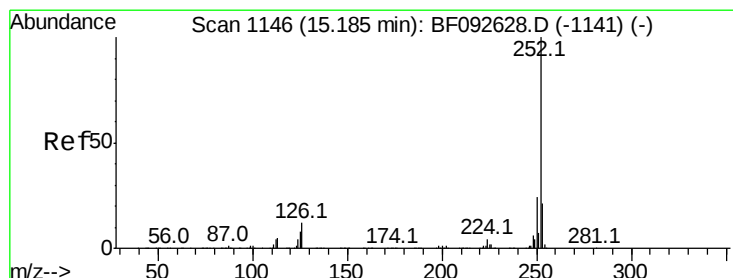
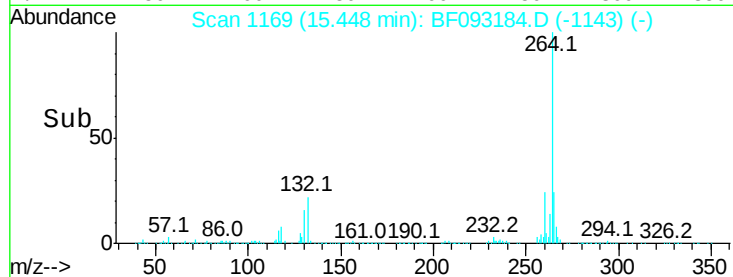
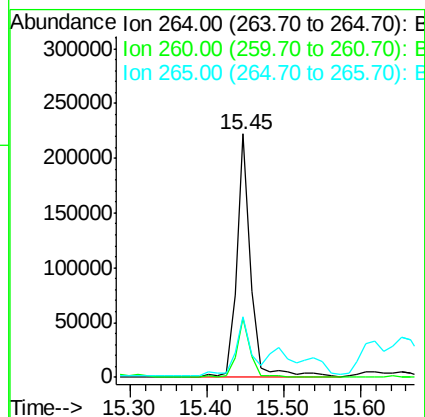
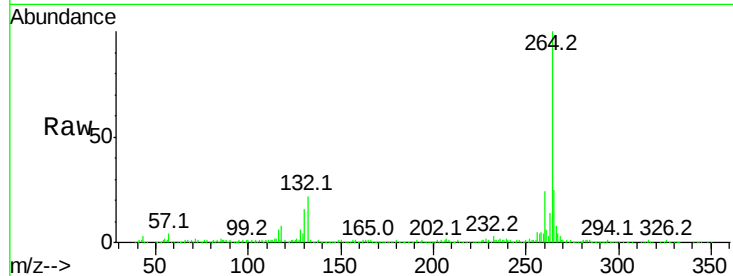
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	24.8	17.4	26.0

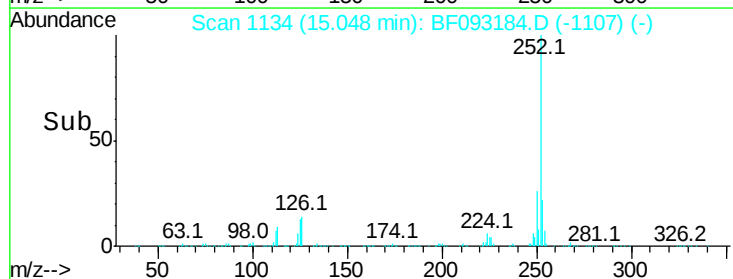
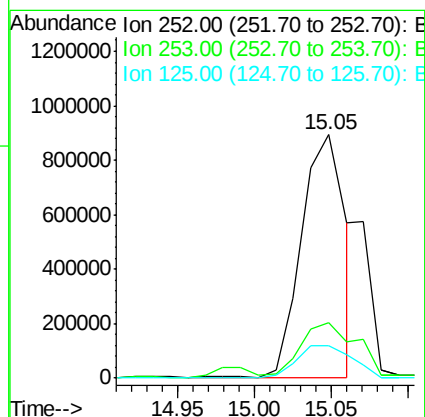
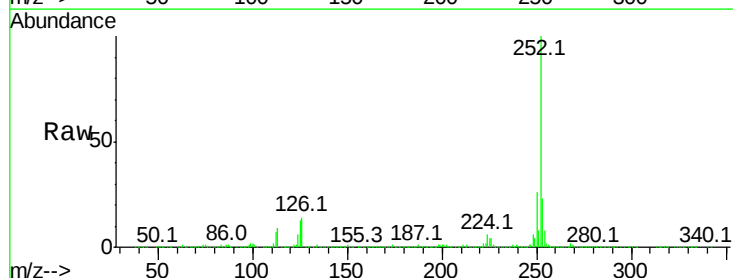
Manual Integrations
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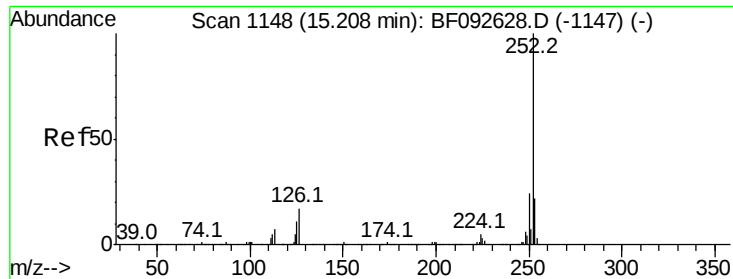
mohammad
2/27/2017 1:08:42 PM



#87
Benzo(b)fluoranthene
Concen: 93.93 ng m
RT: 15.05 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.1	9.8	14.6





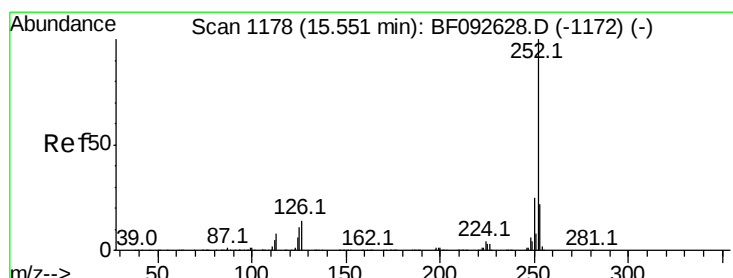
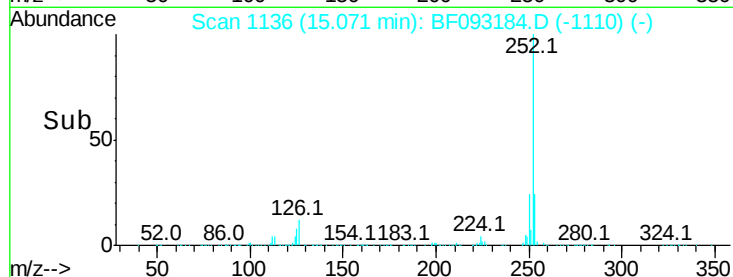
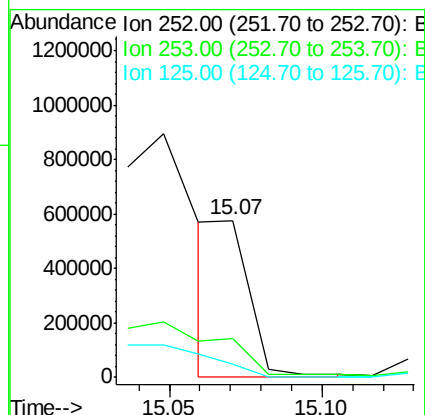
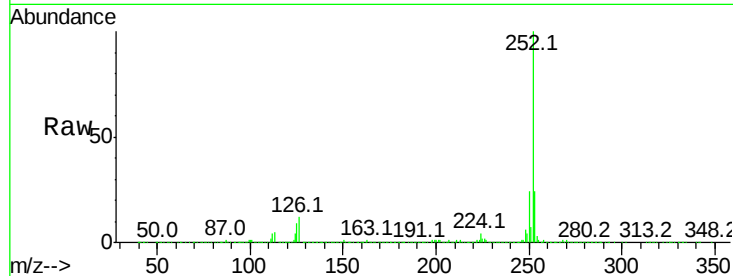
#88
Benzo(k)fluoranthene
Concen: 26.38 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	8.5	8.9	13.3

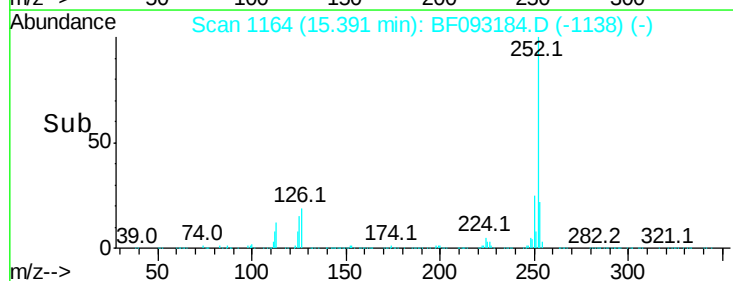
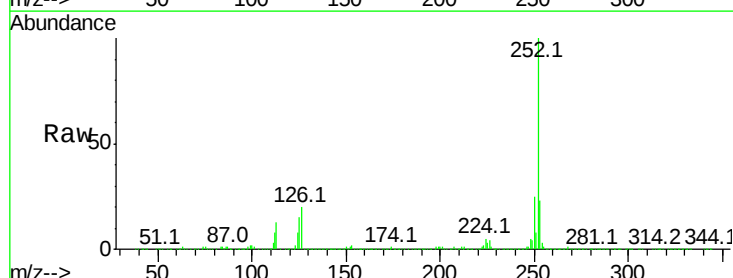
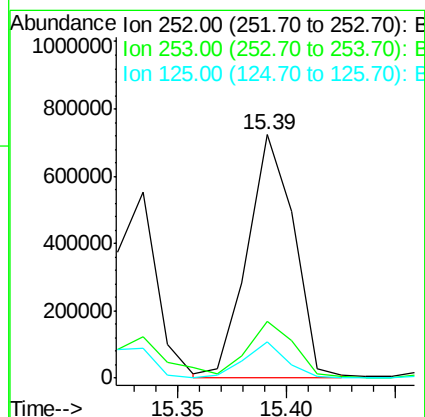
Manual Integrations
APPROVED

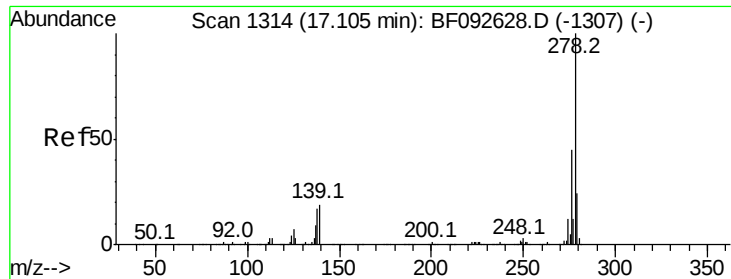
mohammad
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#89
Benzo(a)pyrene
Concen: 65.37 ng m
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	15.1	10.0	15.0





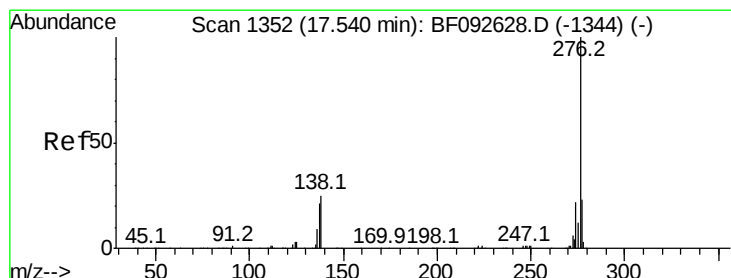
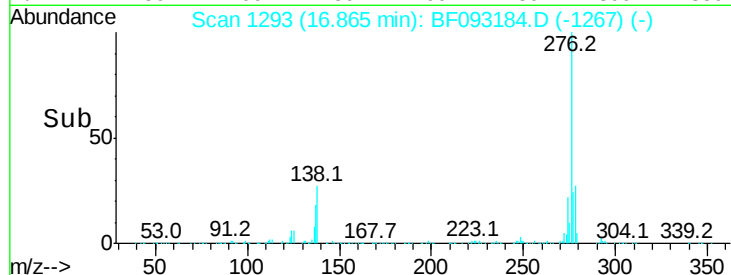
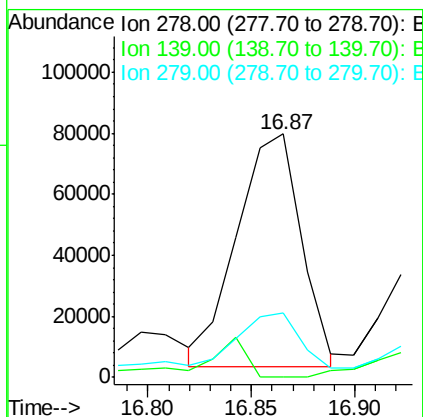
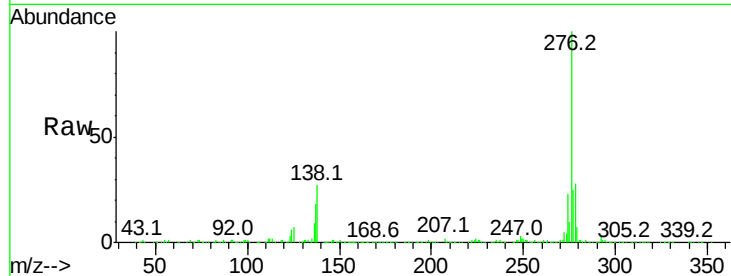
#90
Dibenzo(a,h)anthracene
Concen: 12.46 ng m
RT: 16.87 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	26.3	19.8	29.6

Manual Integrations
APPROVED

mohammad
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#91
Benzo(g,h,i)perylene
Concen: 39.12 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093184.D
Acq: 25 Feb 2017 11:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	28.7	16.0	24.0#

