

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093188.D
 Acq On : 25 Feb 2017 13:04
 Operator : SJ/MA
 Sample : I1972-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-2

Manual Integrations
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Quant Time: Feb 27 10:23:31 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	154969	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	588227	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	228243	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	350727	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	283875	20.00	ng	-0.01
86) Perylene-d12	15.45	264	250216	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1170484	129.58	ng	-0.01
7) Phenol-d6	6.48	99	1374405	118.26	ng	-0.01
23) Nitrobenzene-d5	7.40	82	808942	76.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	195973	118.71	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1243168	98.68	ng	-0.02
78) Terphenyl-d14	12.96	244	826270	68.39	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.49	94	62522	4.60	ng	# 69
31) Naphthalene	8.14	128	180358	6.05	ng	98
37) 2-Methylnaphthalene	8.83	142	63324	3.31	ng	97
48) Acenaphthylene	9.73	152	209479	9.38	ng	97
49) Dimethylphthalate	9.60	163	145300	9.45	ng	100
51) Acenaphthene	9.90	154	48514	3.63	ng	97
54) Dibenzofuran	10.08	168	85458	4.78	ng	# 98
57) Fluorene	10.42	166	81247m	5.91	ng	
70) Phenanthrene	11.39	178	981315	48.84	ng	99
71) Anthracene	11.44	178	350737	17.38	ng	98
72) Carbazole	11.60	167	93616	4.85	ng	99
74) Fluoranthene	12.59	202	1471874	71.01	ng	90
77) Pvrene	12.82	202	1353584	63.72	ng	99
80) Benzo(a)anthracene	14.01	228	919716	52.97	ng	# 92
82) Chrysene	14.04	228	712698m	43.84	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	43136	3.66	ng	100
85) Indeno(1,2,3-cd)pvrene	16.85	276	315616	25.07	ng	99
87) Benzo(b)fluoranthene	15.04	252	866583m	52.62	ng	
88) Benzo(k)fluoranthene	15.05	252	413253m	29.06	ng	
89) Benzo(a)pvrene	15.39	252	563161	39.53	ng	99
90) Dibenzo(a,h)anthracene	16.85	278	91309m	7.93	ng	
91) Benzo(g,h,i)perylene	17.29	276	274250	23.58	ng	# 93

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

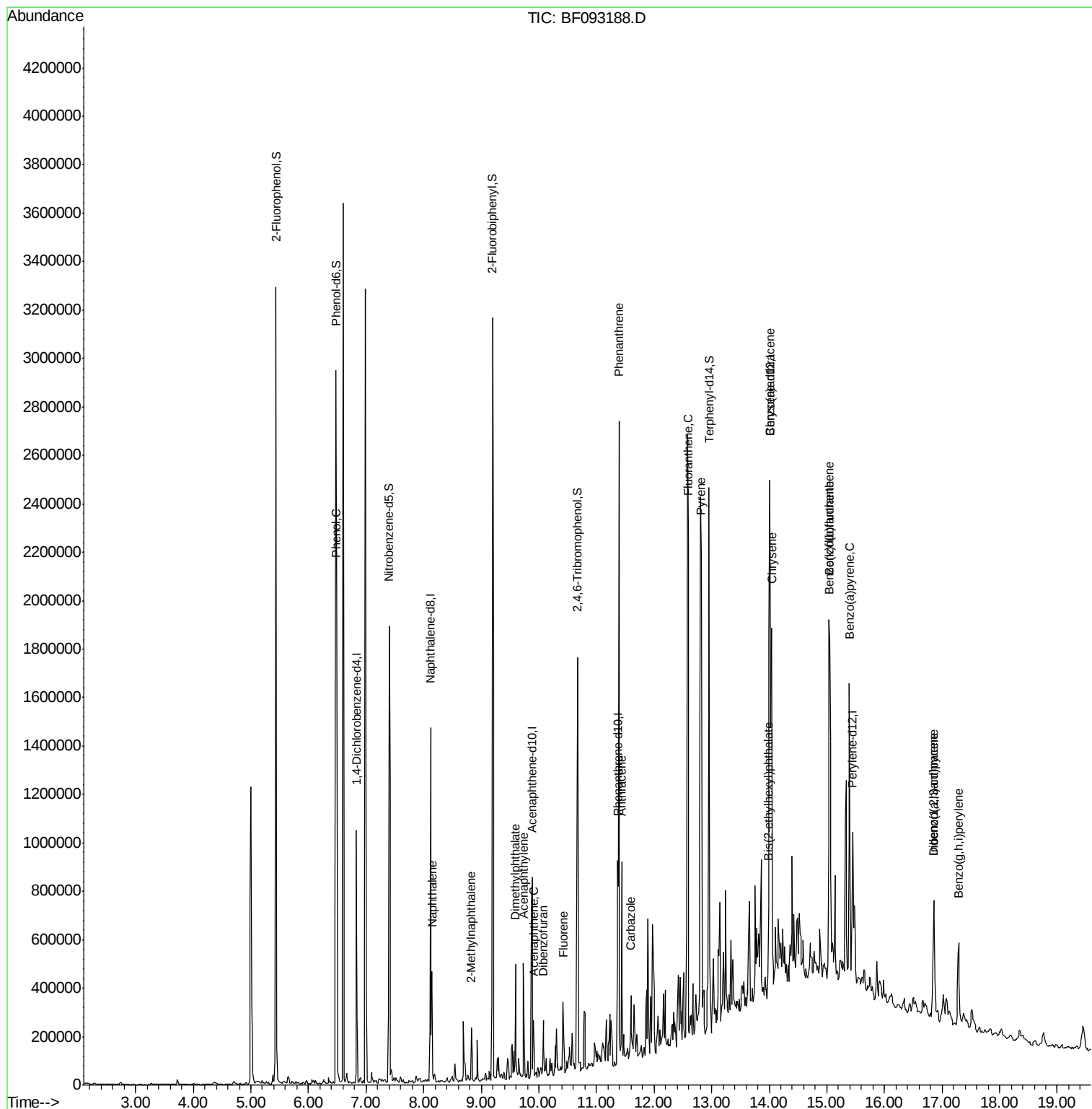
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093188.D
Acq On : 25 Feb 2017 13:04
Operator : SJ/MA
Sample : I1972-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

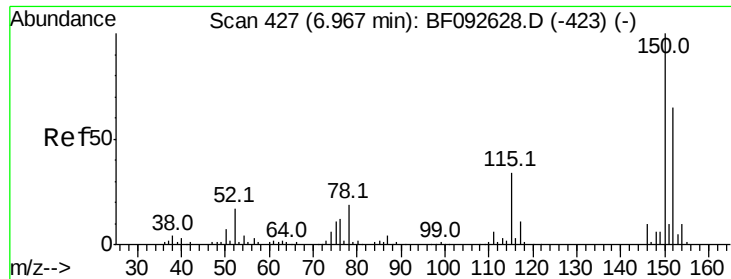
Instrument :
BNA_F
ClientSampleID :
E2-B1-SW-2

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Quant Time: Feb 27 10:23:31 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

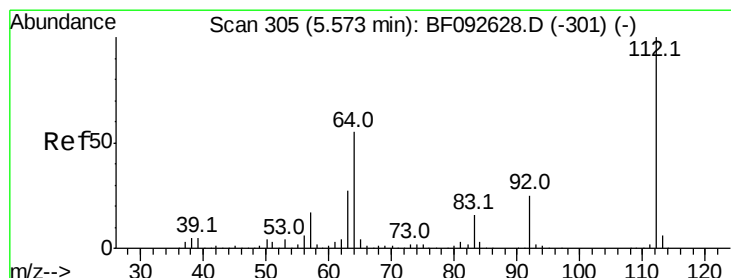
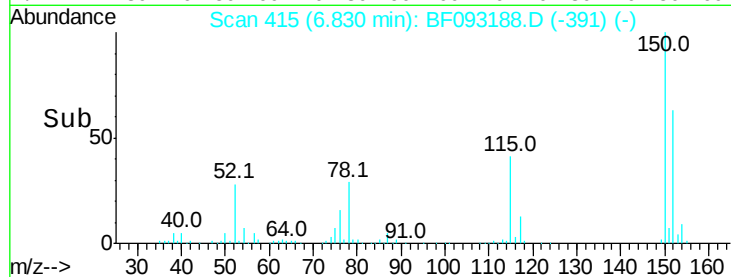
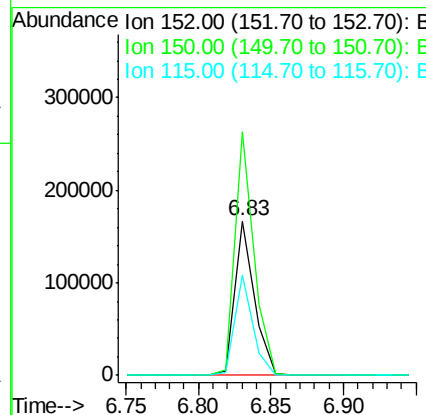
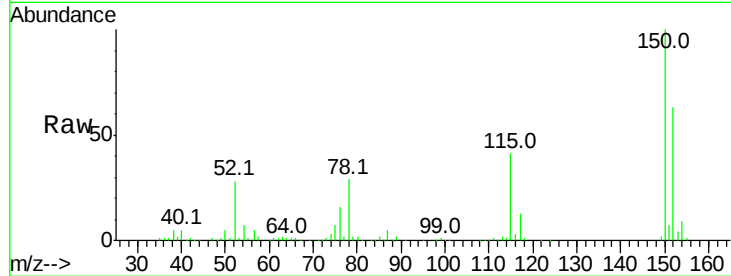
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.9	187.3
115	65.0	46.0	69.0

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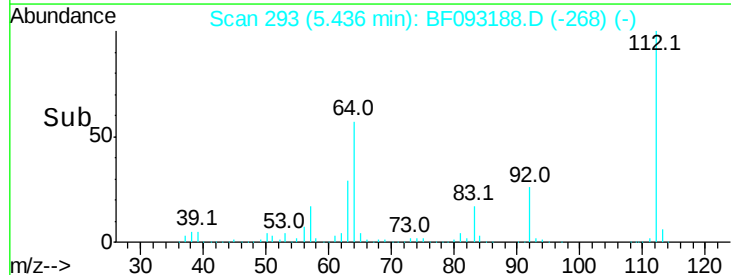
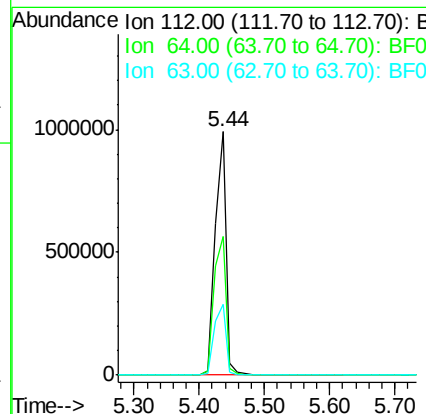
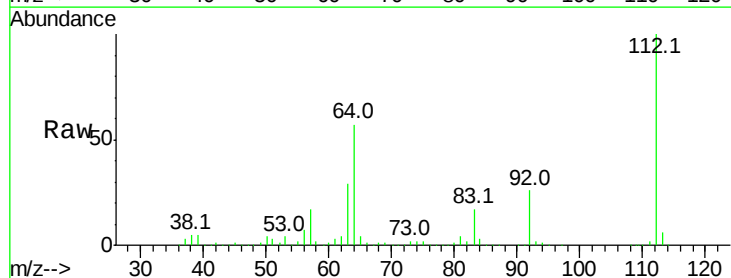
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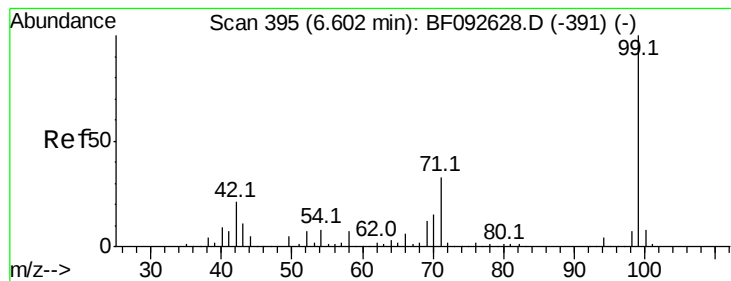


#5

2-Fluorophenol
Concen: 129.58 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.1	69.1
63	28.8	23.8	35.6





#7

Phenol-d6

Concen: 118.26 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA_F

ClientSampled :

E2-B1-SW-2

Tot Ion: 99 Resp: 1374405

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

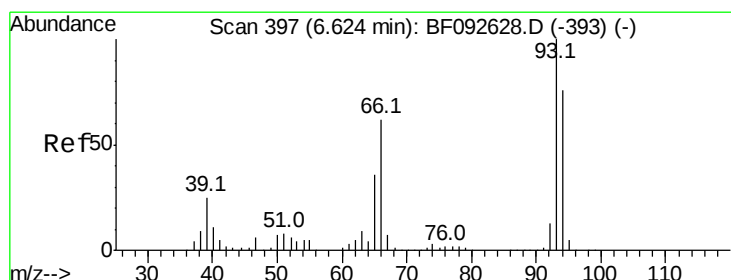
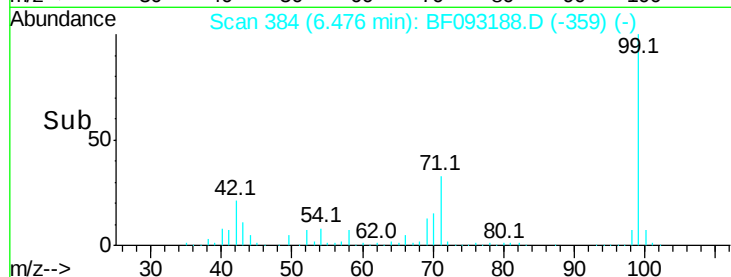
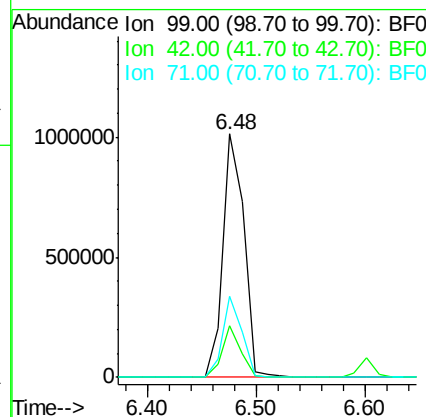
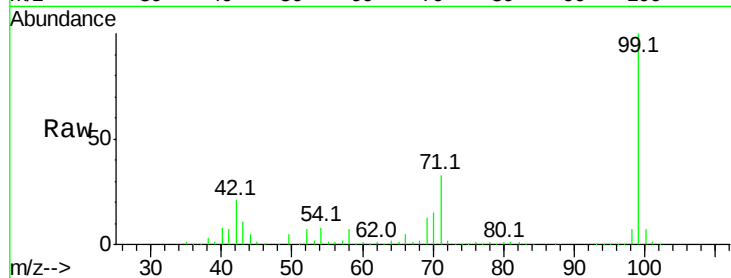
71 33.2 27.5 41.3

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#10

Phenol

Concen: 4.60 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

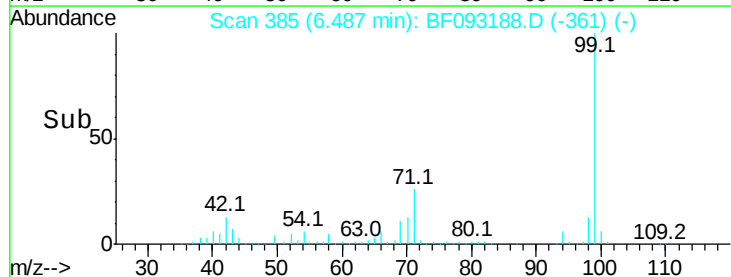
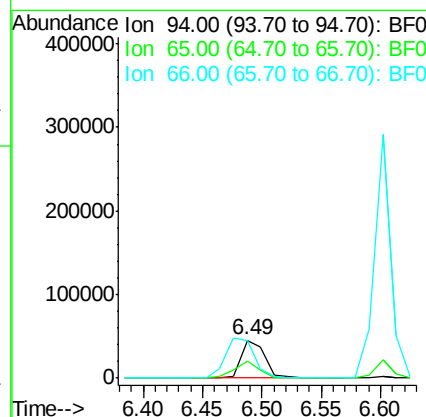
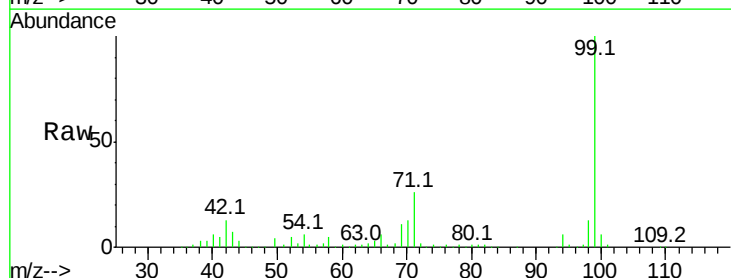
Tgt Ion: 94 Resp: 62522

Ion Ratio Lower Upper

94 100

65 45.8 21.4 61.4

66 100.7 44.0 84.0#





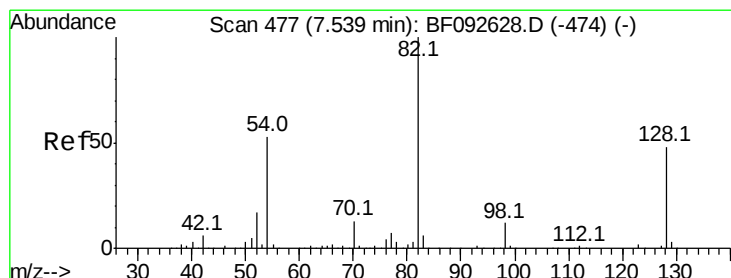
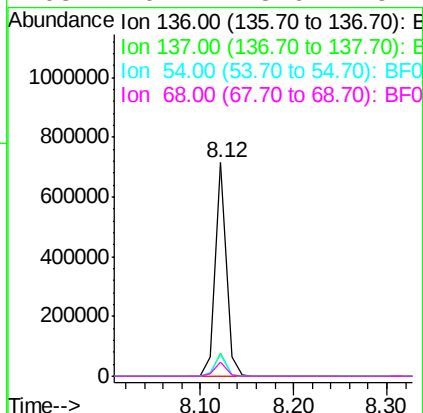
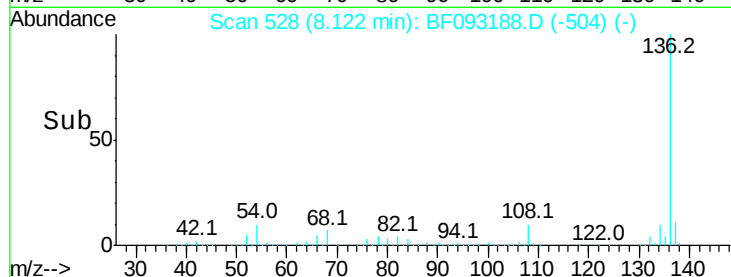
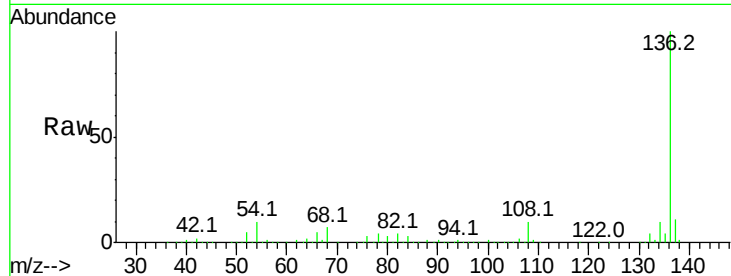
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampled :
E2-B1-SW-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.4	12.6	
54	10.2	4.5	6.7#	
68	6.7	3.6	5.4#	

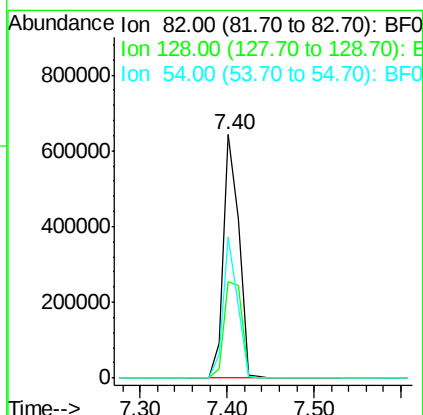
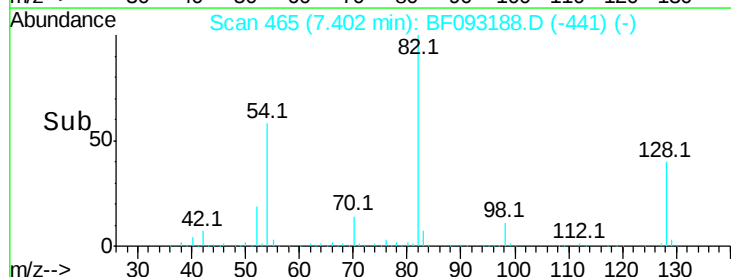
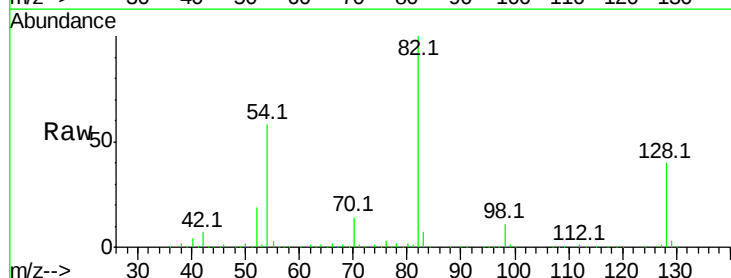
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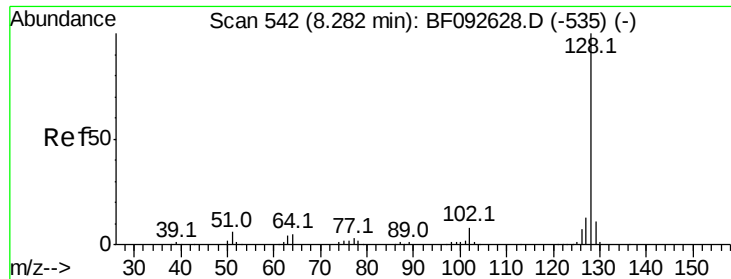
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#23
Nitrobenzene-d5
Concen: 76.58 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.6	34.6	52.0	
54	58.1	39.5	59.3	





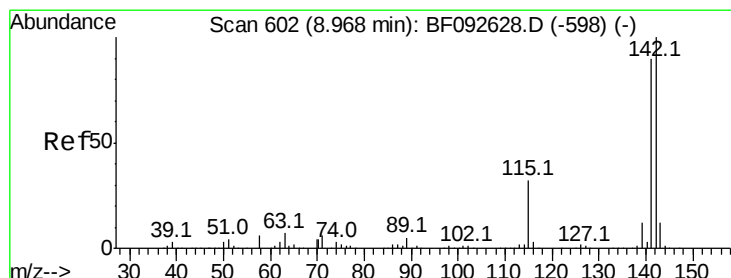
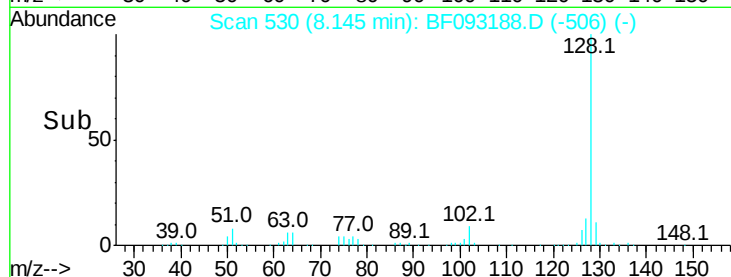
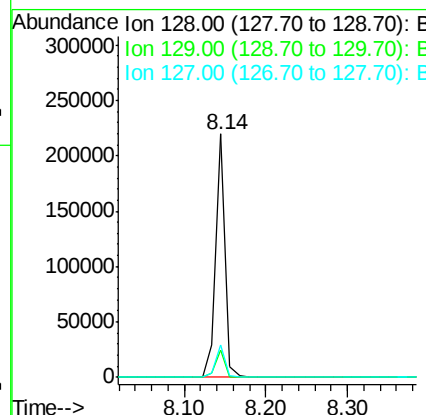
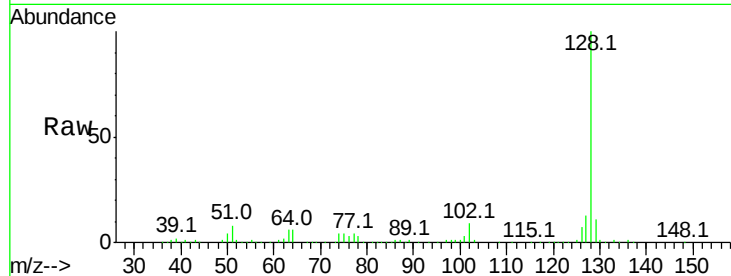
#31
Naphthalene
Concen: 6.05 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	180358		
129	11.0	9.5	14.3	
127	13.1	10.8	16.2	

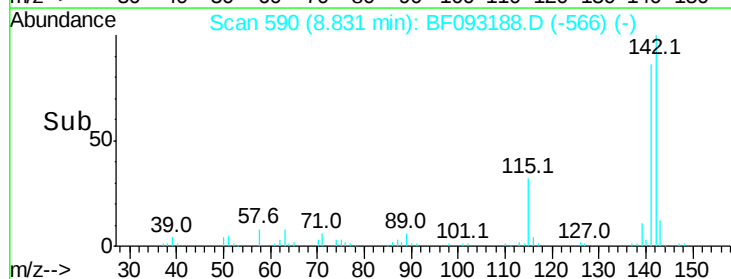
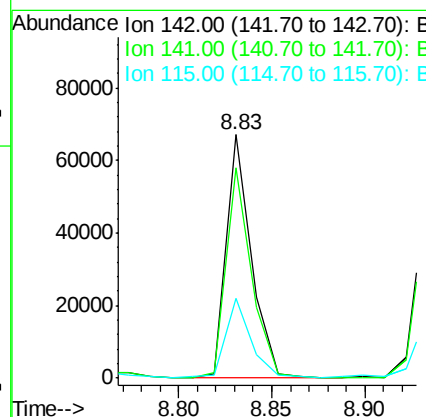
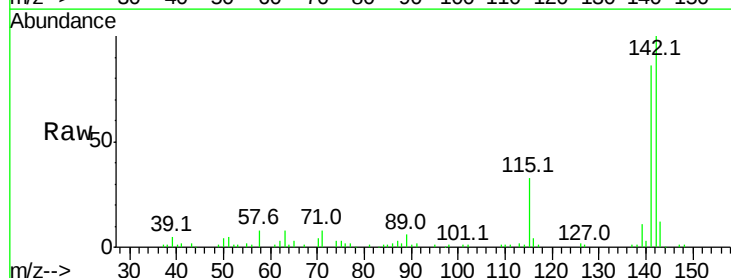
Manual Integrations
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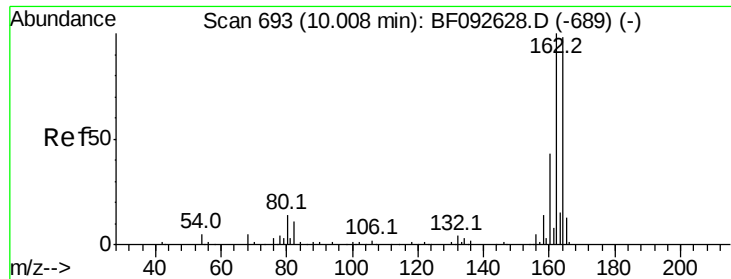
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#37
2-Methylnaphthalene
Concen: 3.31 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	63324		
141	86.5	71.0	106.6	
115	32.8	28.3	42.5	





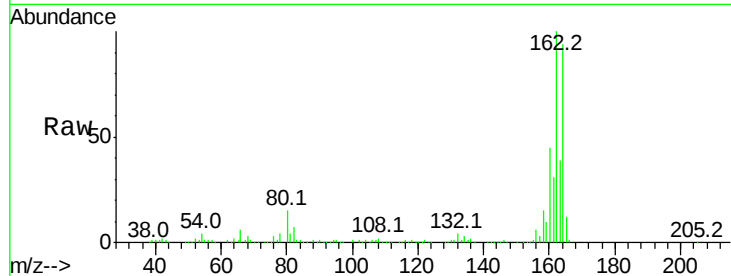
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampled :
E2-B1-SW-2

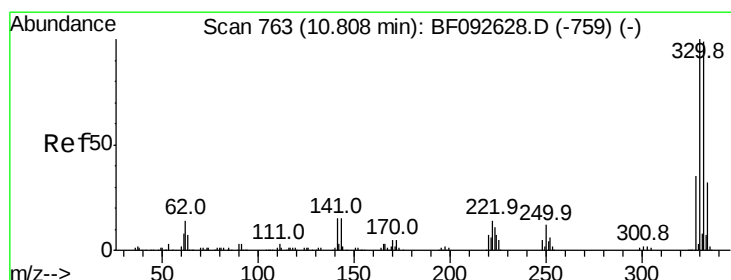
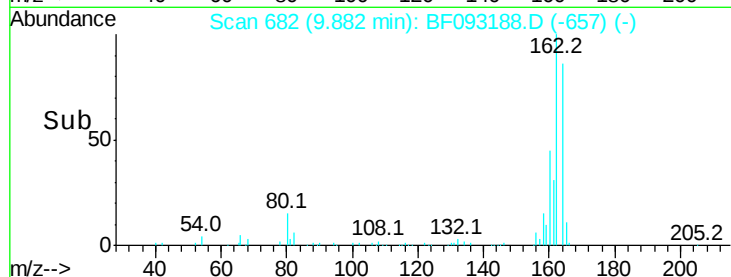
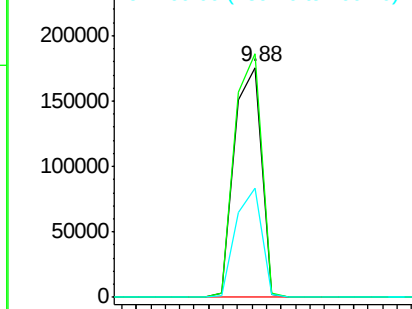
Tot Ion	Ratio	Resp	Lower	Upper
164	100	228243		
162	106.0		80.2	120.2
160	47.7		36.9	55.3

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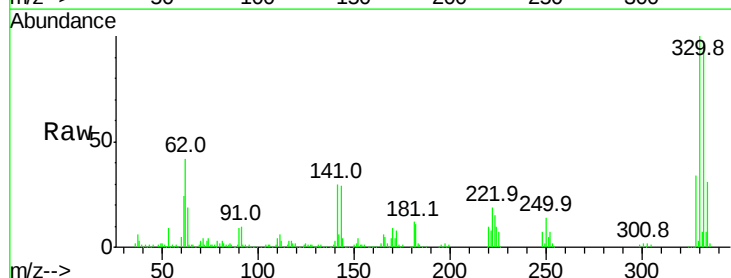


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

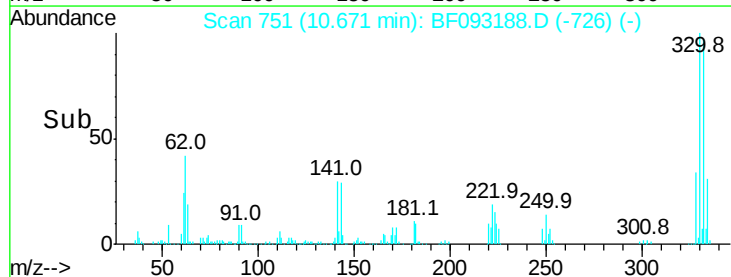
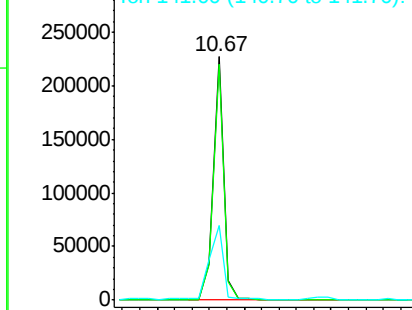


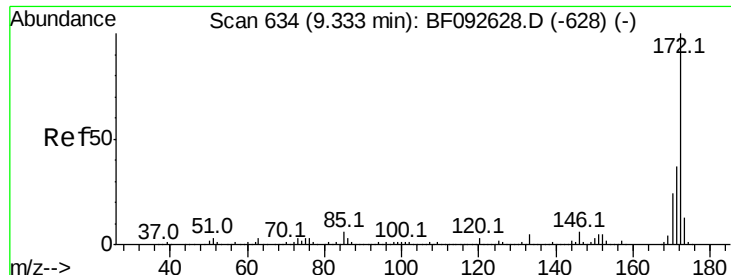
#41
2,4,6-Tribromophenol
Concen: 118.71 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195973		
332	96.4		77.4	116.2
141	40.5		34.1	51.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





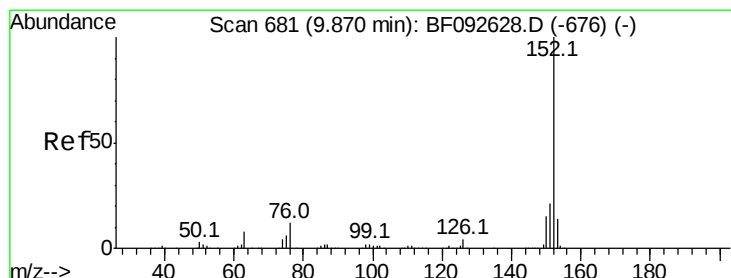
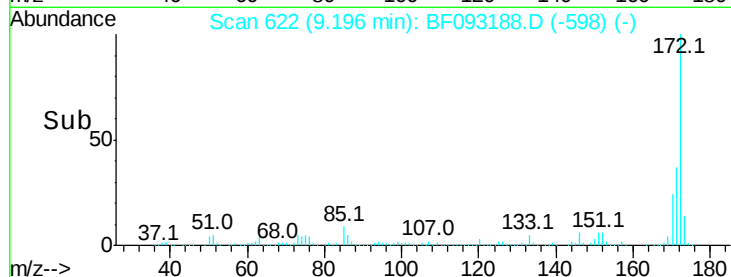
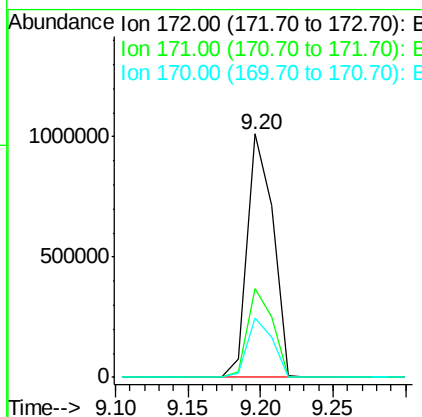
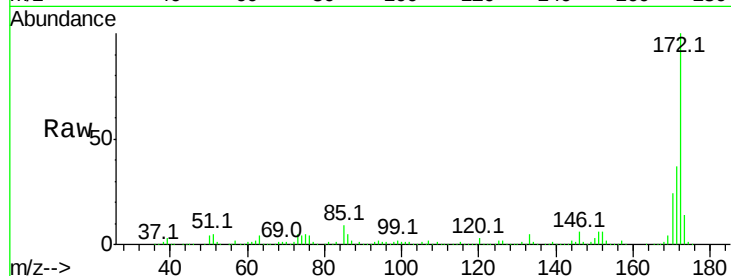
#44
2-Fluorobiphenyl
Concen: 98.68 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampled :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.3	20.2	30.4

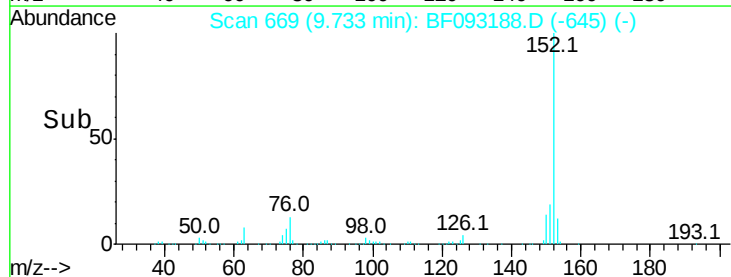
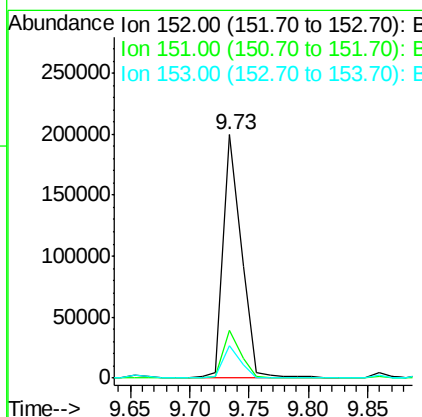
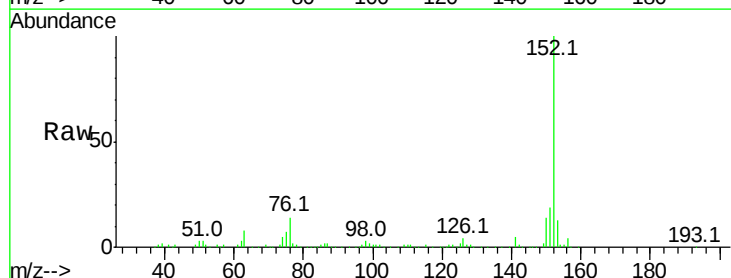
Manual Integrations
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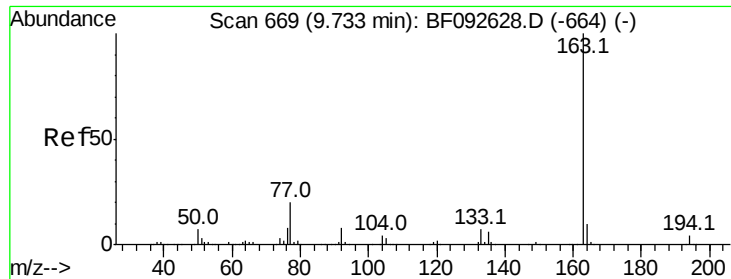
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#48
Acenaphthylene
Concen: 9.38 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.9	25.3
153	13.3	11.4	17.2





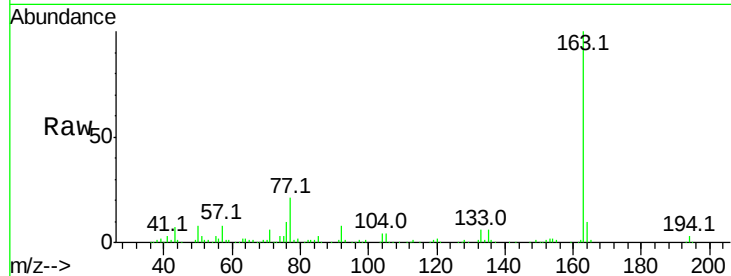
#49
Dimethylphthalate
Concen: 9.45 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

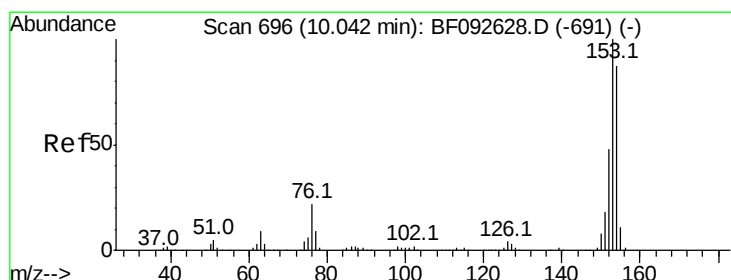
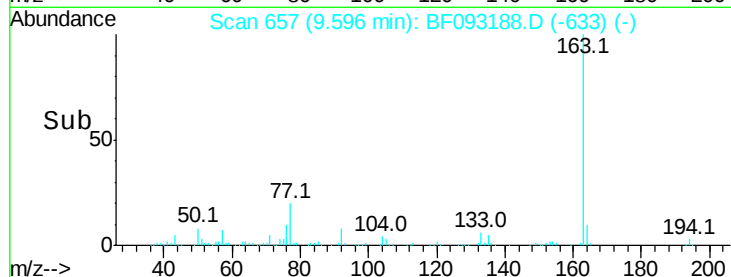
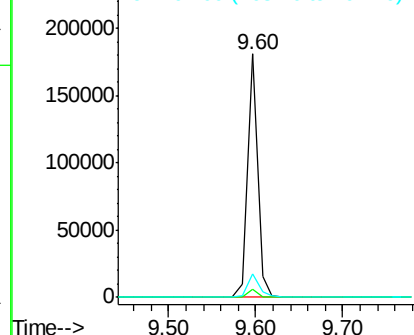
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	3.0	4.4	
164	9.9	8.0	12.0	

Manual Integrations
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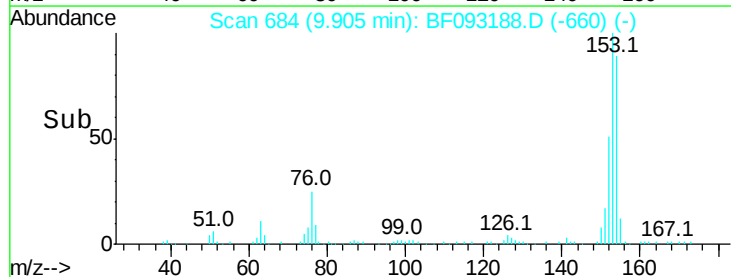
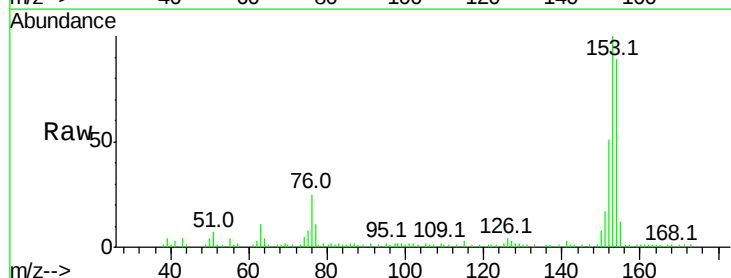
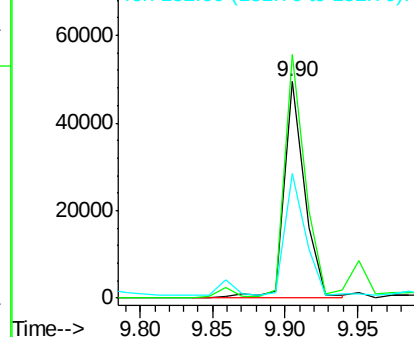
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

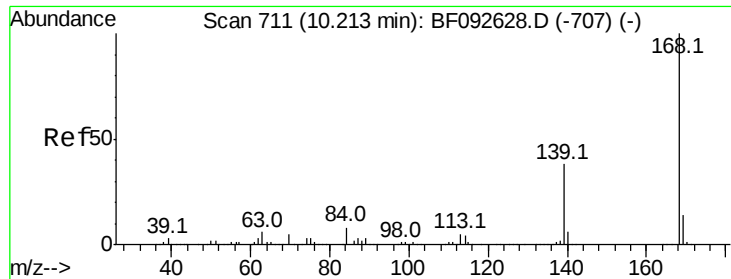


#51
Acenaphthene
Concen: 3.63 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.4	88.6	133.0	
152	57.3	41.6	62.4	

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





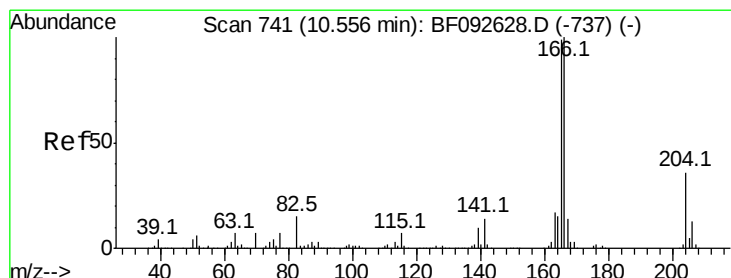
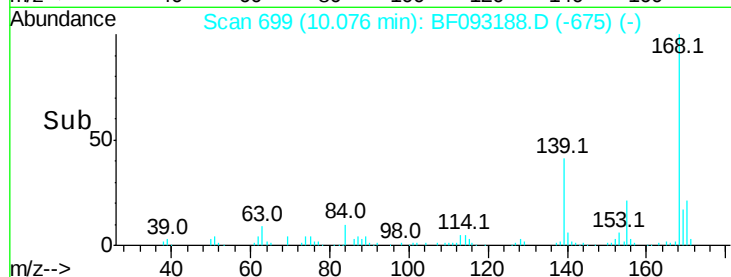
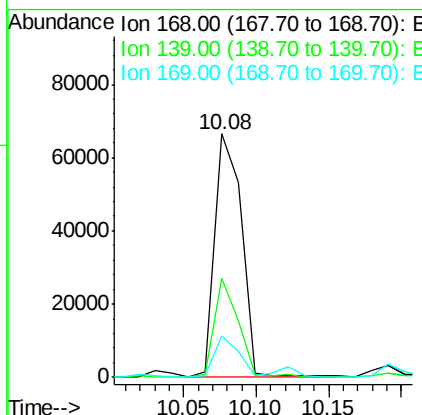
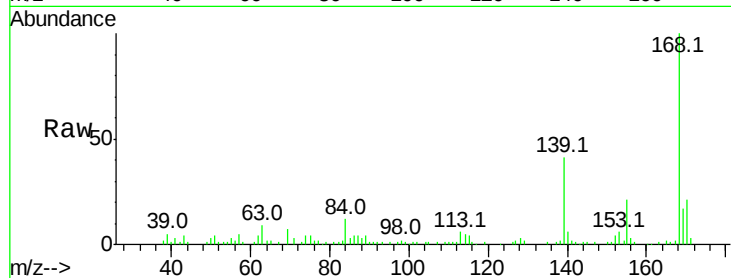
#54
Dibenzenofuran
Concen: 4.78 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	40.7		32.6	49.0
169	17.0		11.3	16.9#

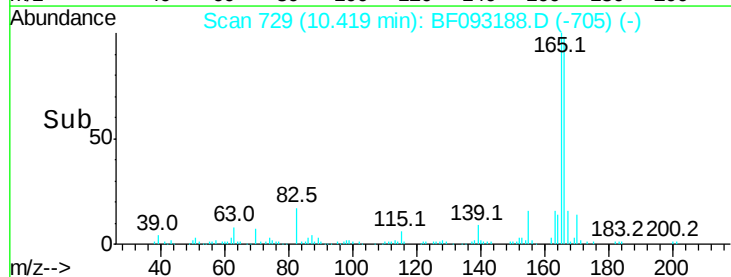
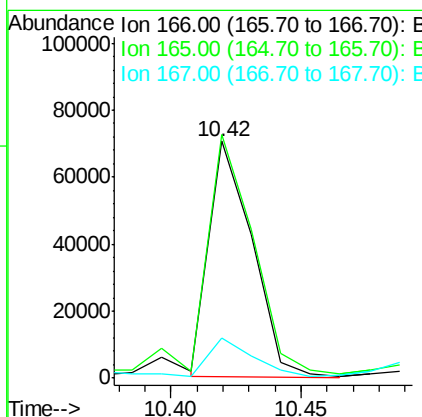
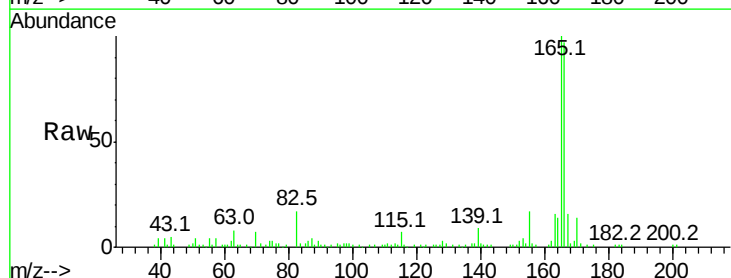
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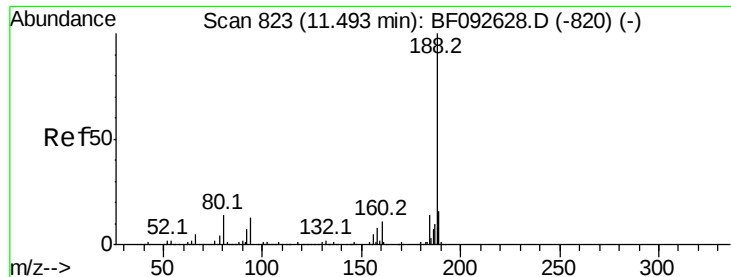
mohammad
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#57
Fluorene
Concen: 5.91 ng m
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	102.9		77.8	116.8
167	16.7		10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA_F

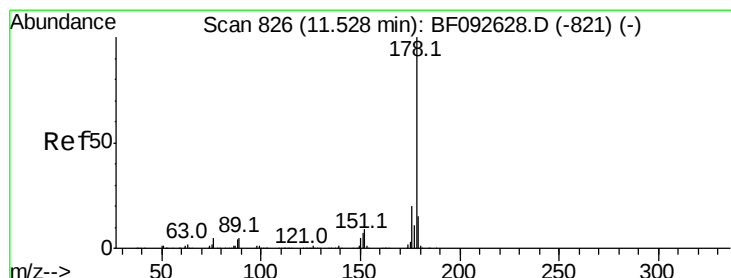
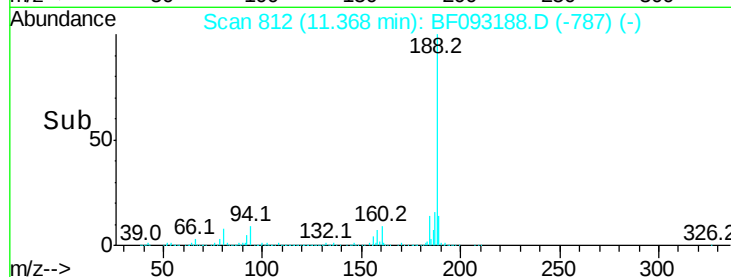
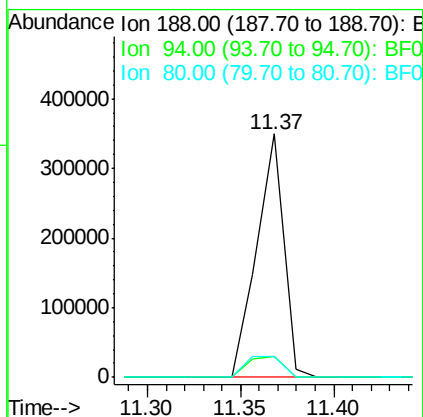
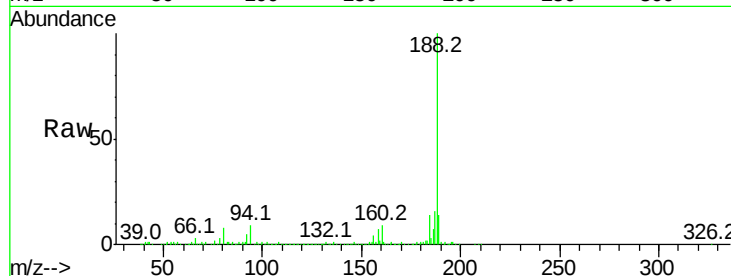
ClientSampleId :

E2-B1-SW-2

Tot Ion:	188	Resp:	350727
Ion Ratio	Lower	Upper	
188	100		
94	8.8	10.0	15.0#
80	8.4	11.2	16.8#

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#70

Phenanthrene

Concen: 48.84 ng

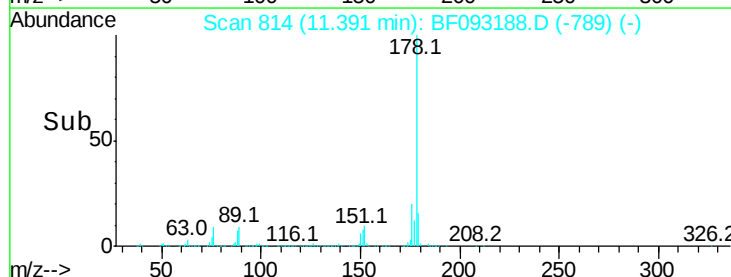
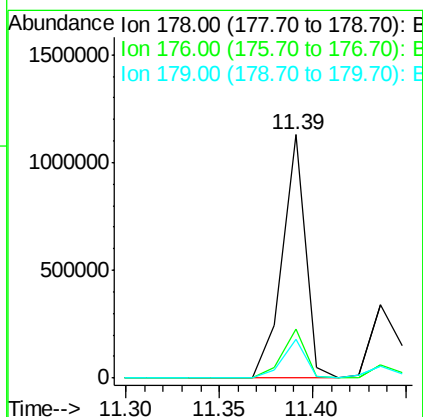
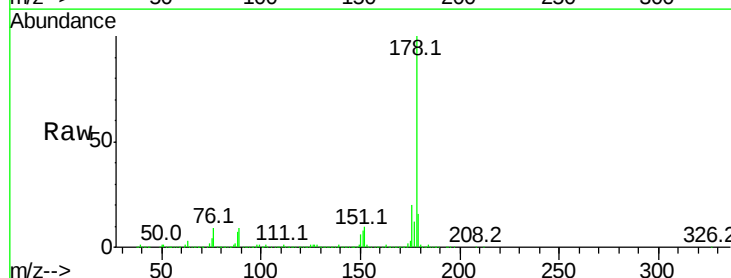
RT: 11.39 min Scan# 814

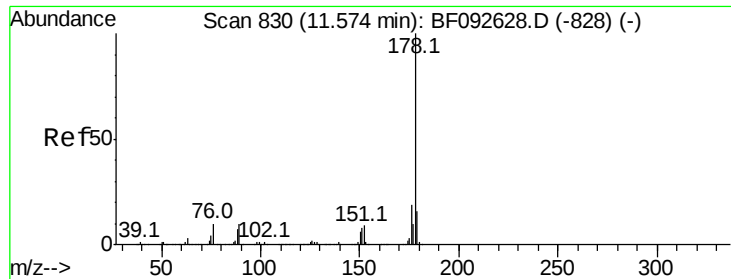
Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Tgt Ion:	178	Resp:	981315
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.6	25.0
179	15.8	12.8	19.2





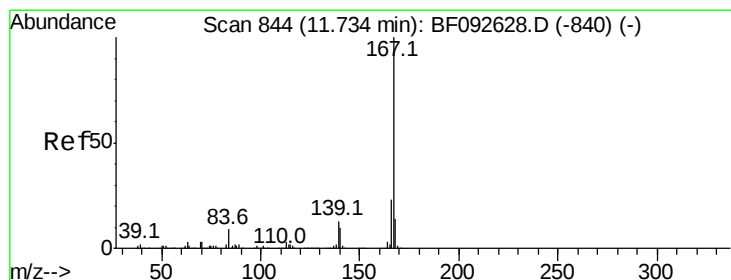
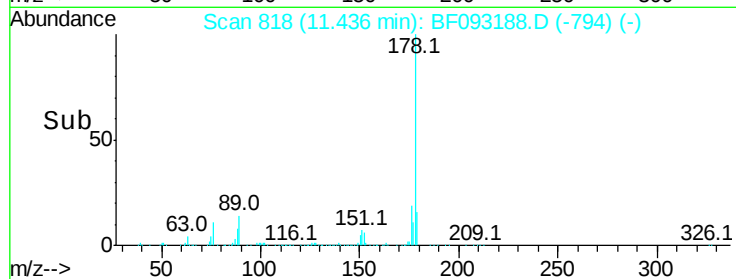
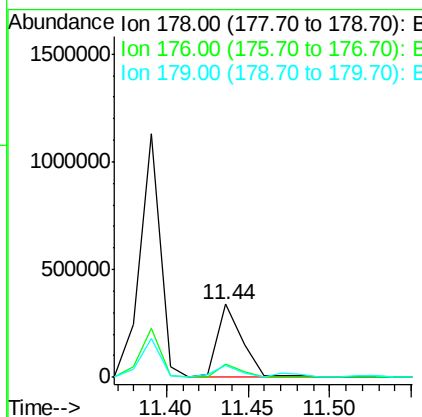
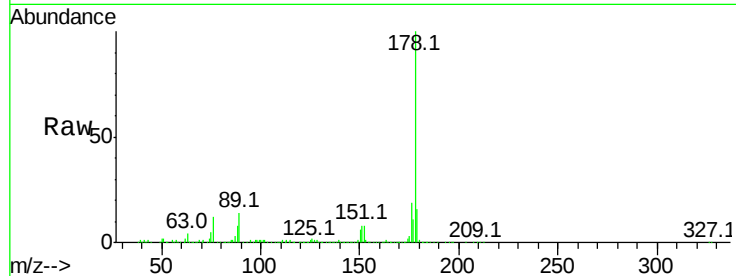
#71
 Anthracene
 Concen: 17.38 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF093188.D
 Acq: 25 Feb 2017 13:04

Instrument :
 BNA_F
 ClientSampled :
 E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	16.1	13.2	19.8

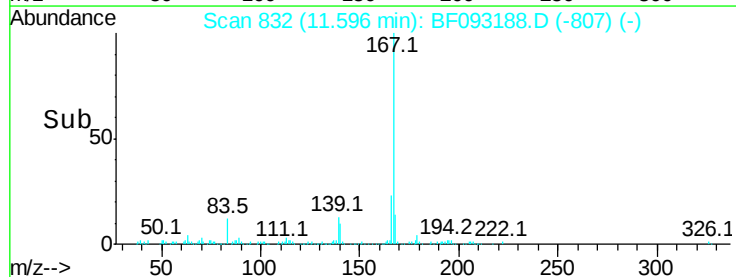
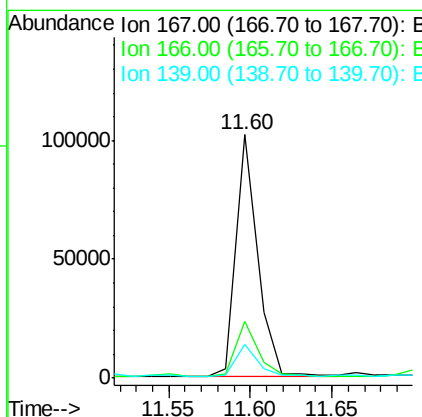
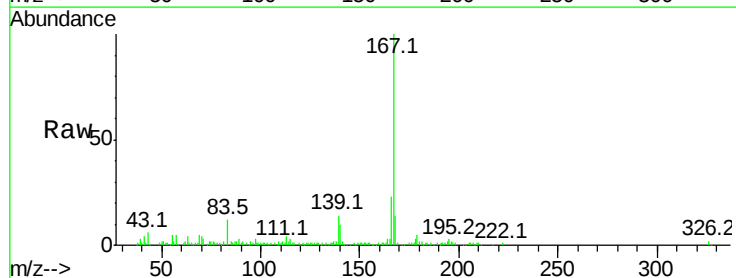
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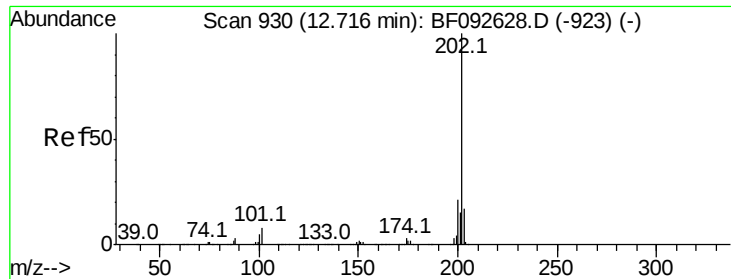
mohammad
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#72
 Carbazole
 Concen: 4.85 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF093188.D
 Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.2	27.2
139	13.8	11.4	17.2





#74

Fluoranthene

Concen: 71.01 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA_F

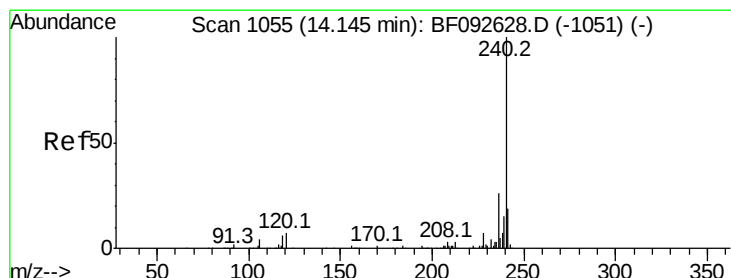
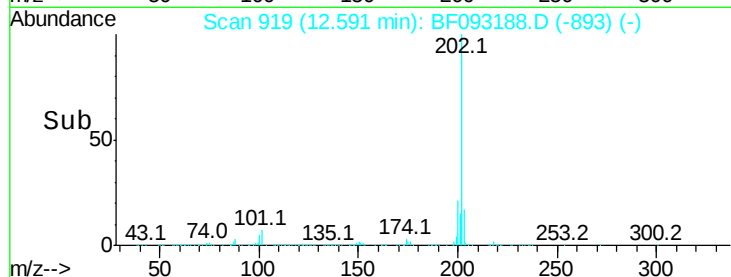
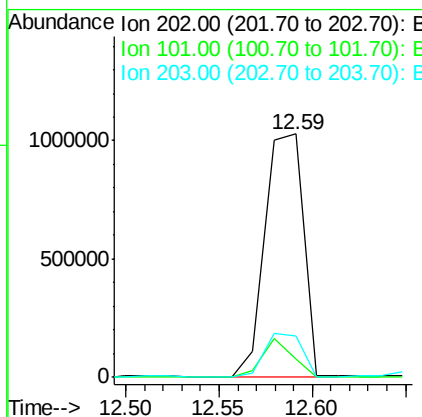
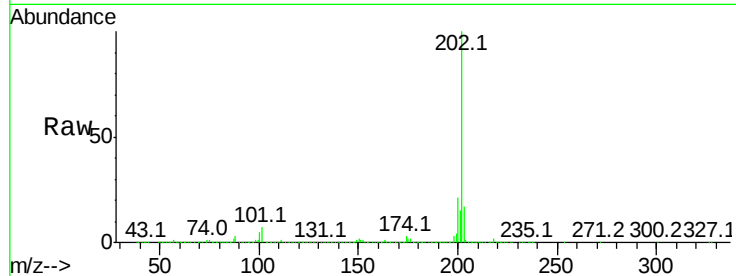
ClientSampleId :

E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	34.6
203	17.0	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

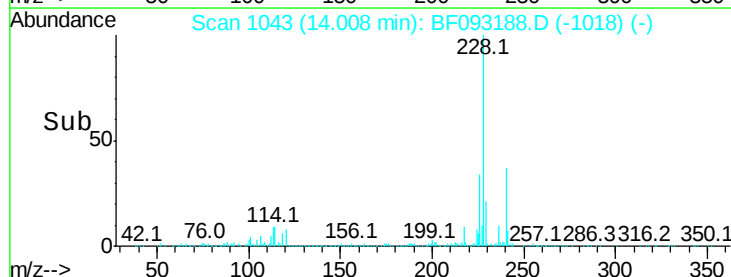
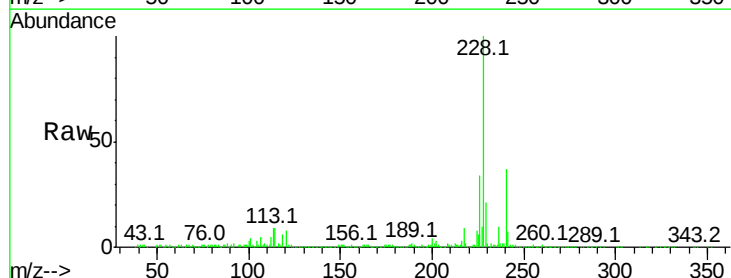
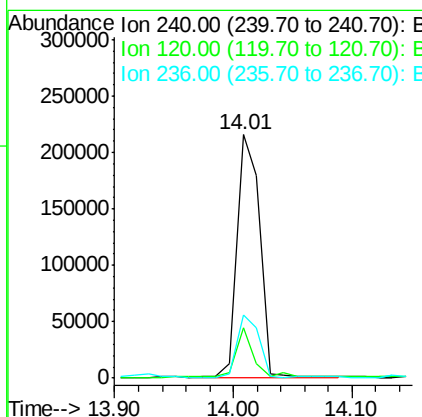
RT: 14.01 min Scan# 1043

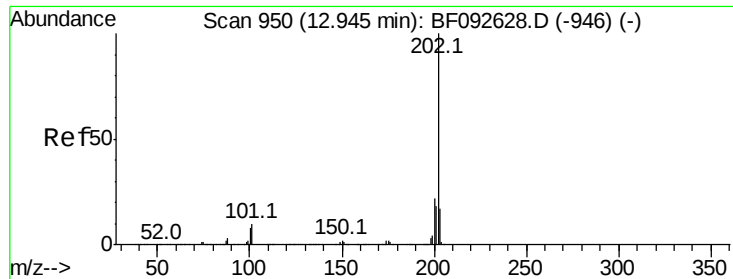
Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.8	12.9	19.3#
236	26.0	20.9	31.3





#77

Pvrene

Concen: 63.72 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

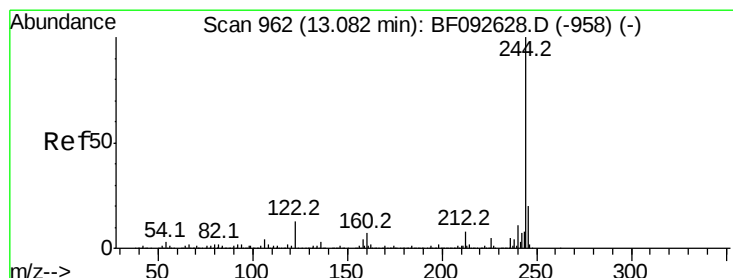
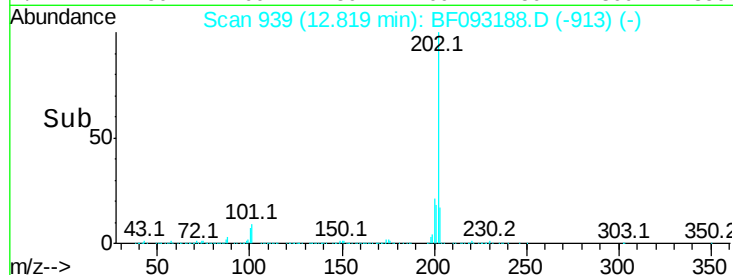
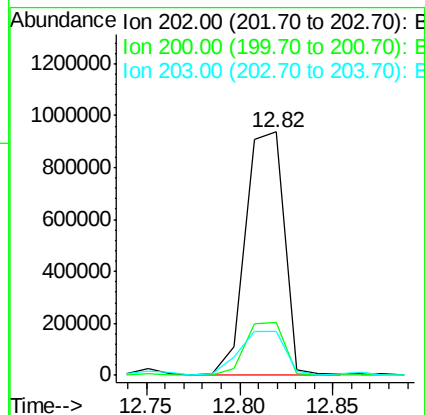
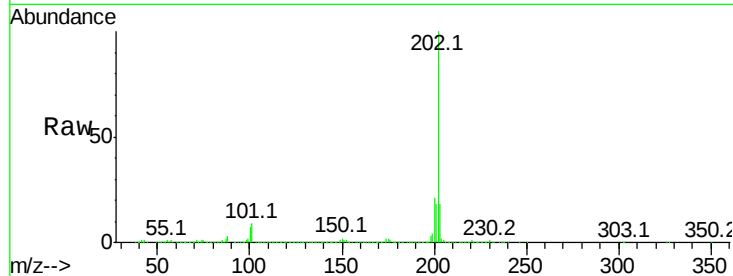
E2-B1-SW-2

Tot Ion:202 Resp: 1353584

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	18.0	14.7	22.1

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#78

Terphenyl-d14

Concen: 68.39 ng

RT: 12.96 min Scan# 951

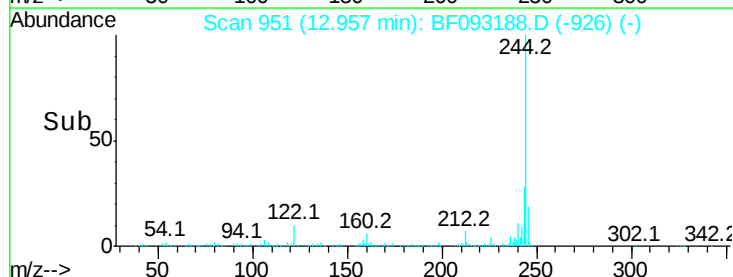
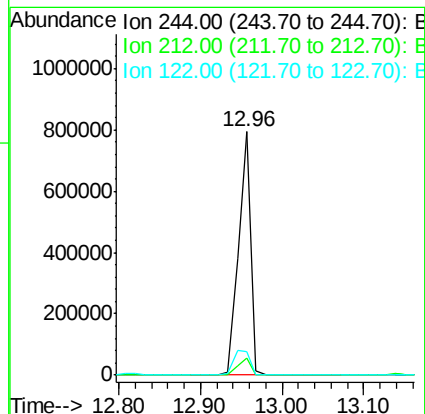
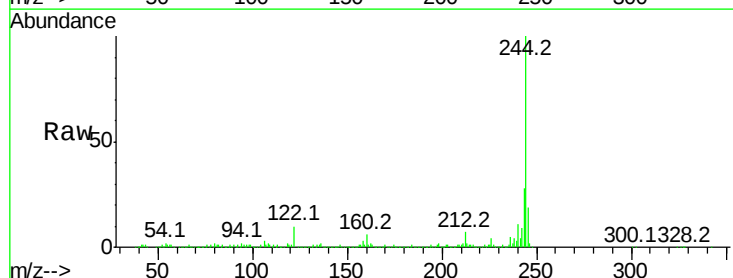
Delta R.T. -0.01 min

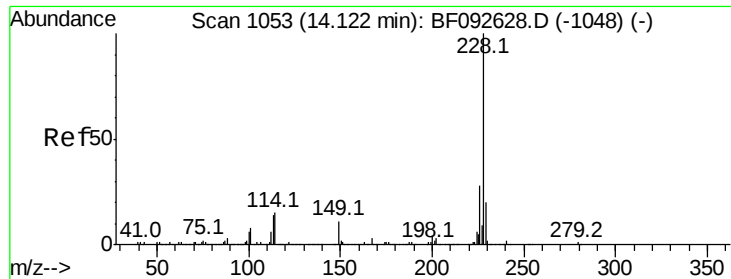
Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Tgt Ion:244 Resp: 826270

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	9.9	11.4	17.2





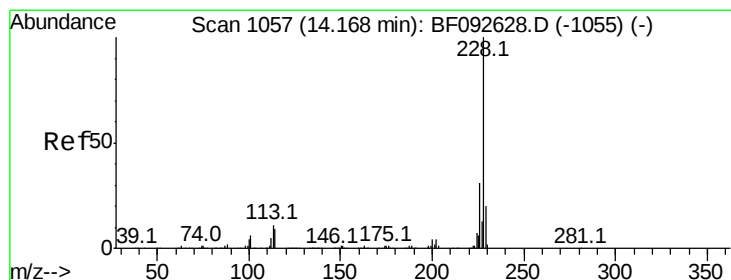
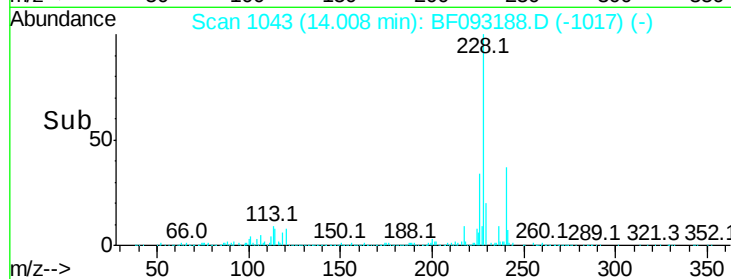
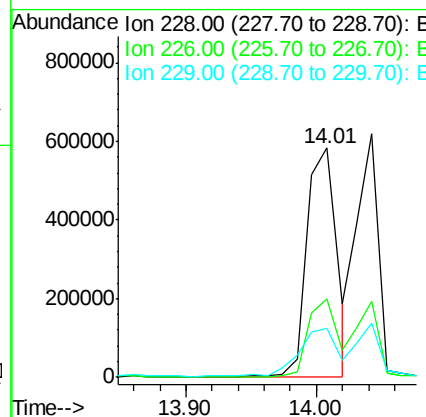
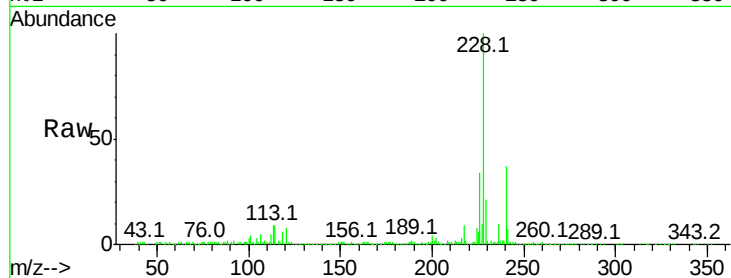
#80
Benzo(a)anthracene
Concen: 52.97 ng
RT: 14.01 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.4	33.6#
229	21.2	16.2	24.4

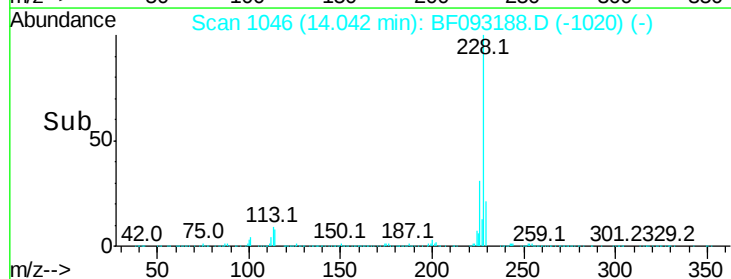
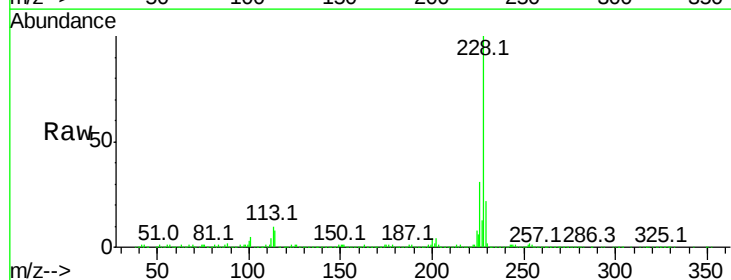
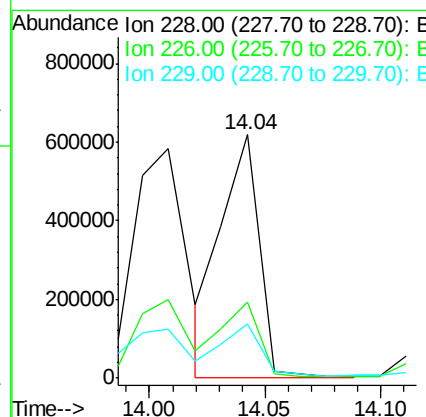
Manual Integrations
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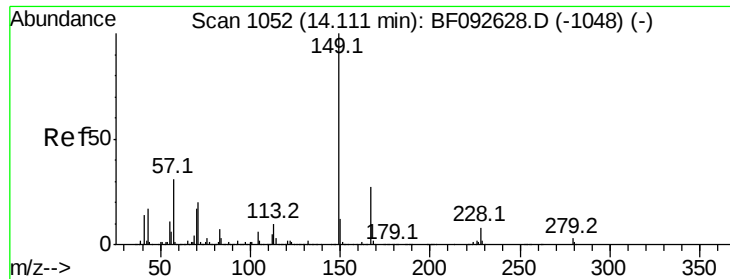
mohammad
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#82
Chrysene
Concen: 43.84 ng m
RT: 14.04 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	22.2	16.2	24.2





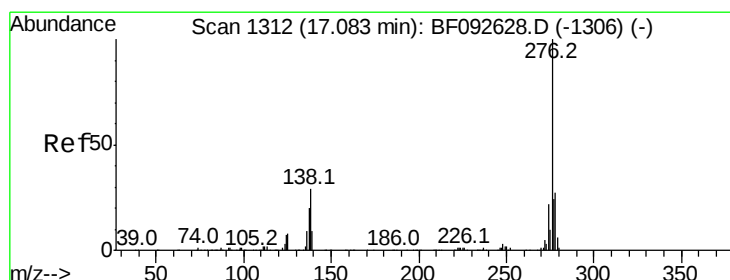
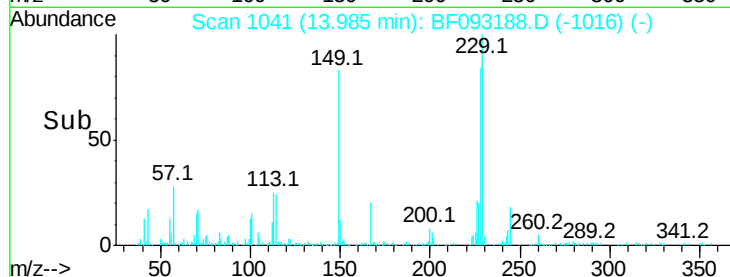
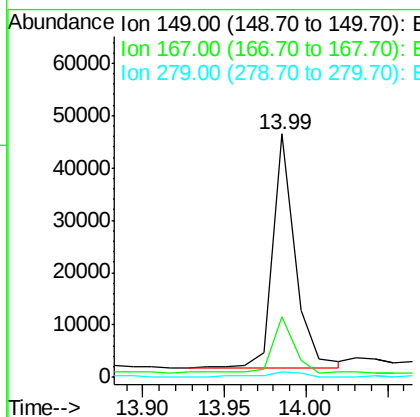
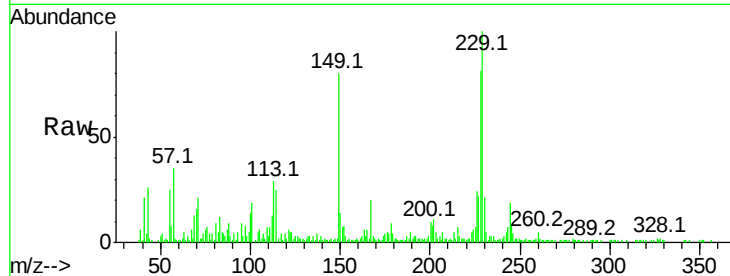
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.66 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF093188.D
 Acq: 25 Feb 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.2	30.4
279	2.5	1.8	2.8

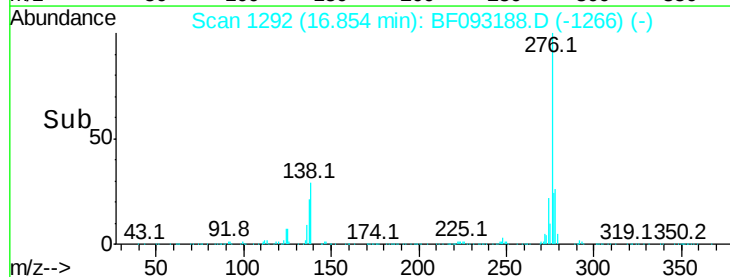
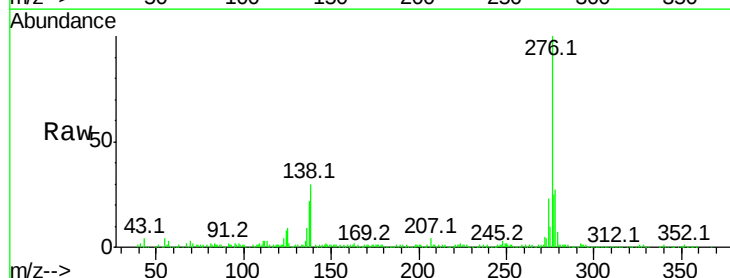
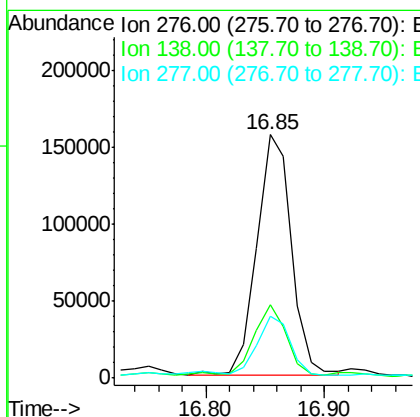
Manual Integrations
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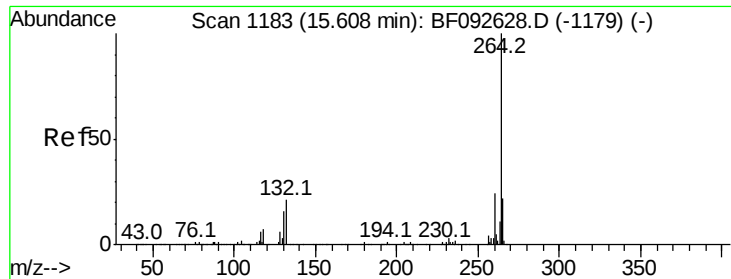
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.07 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: BF093188.D
 Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.8	32.6
277	25.0	20.2	30.4





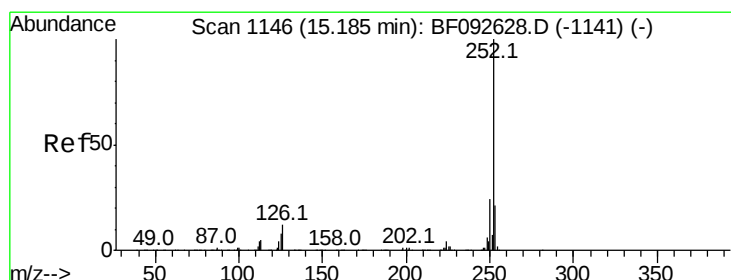
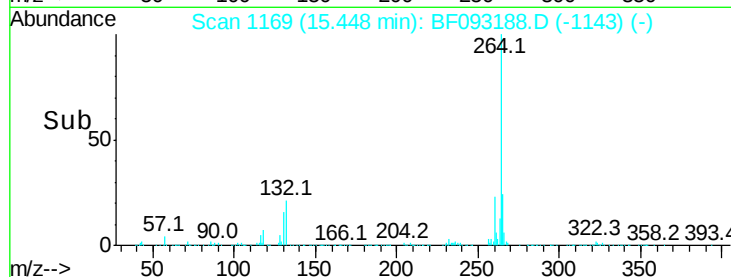
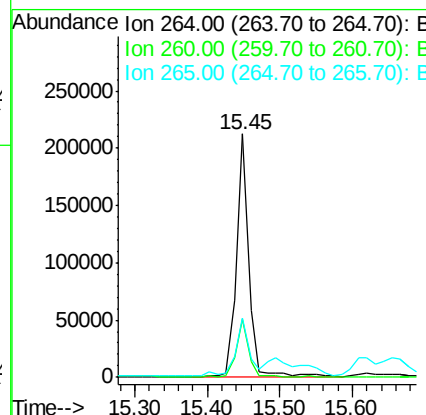
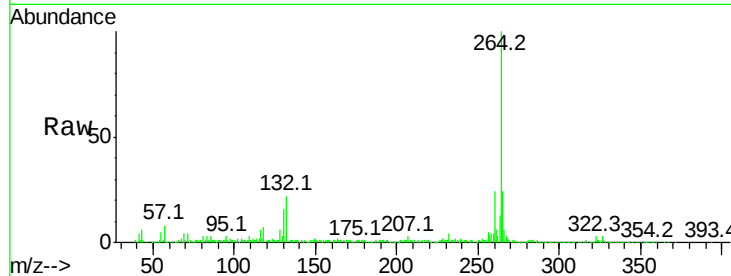
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	24.1	17.4	26.0

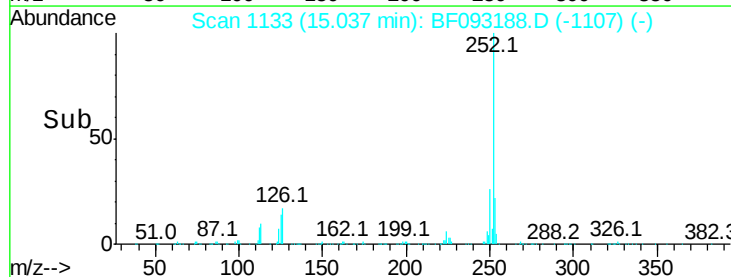
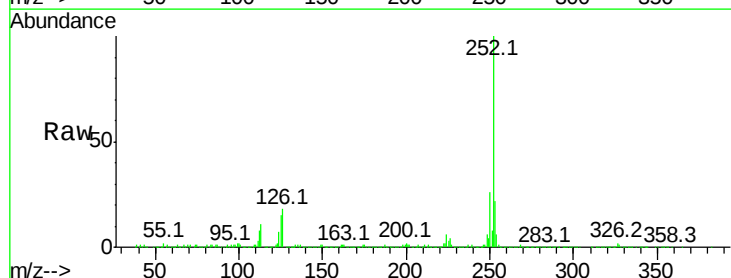
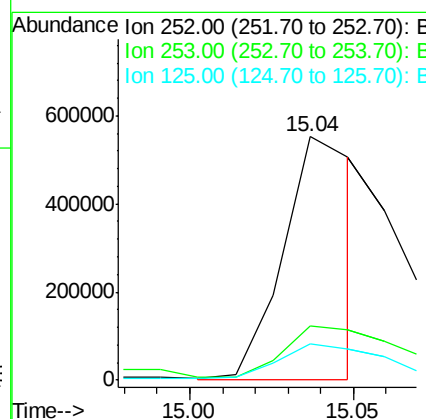
Manual Integrations
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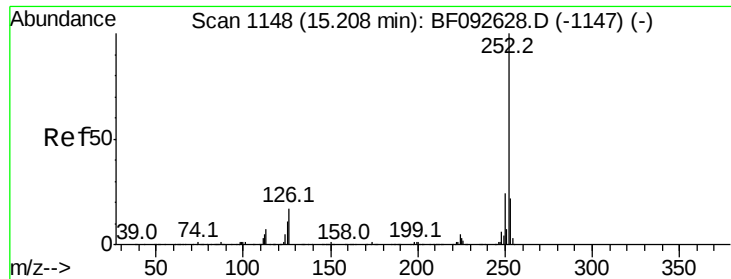
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#87
Benzo(b)fluoranthene
Concen: 52.62 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.7	9.8	14.6





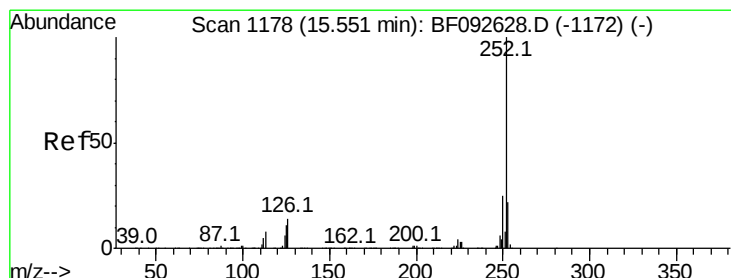
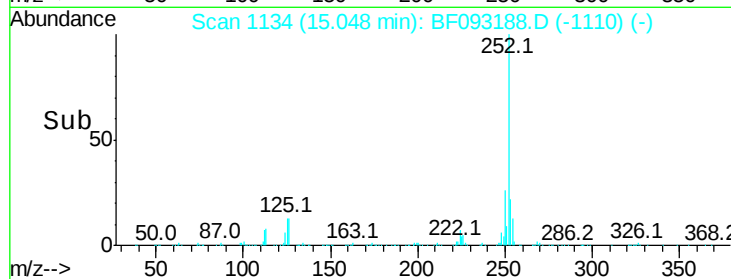
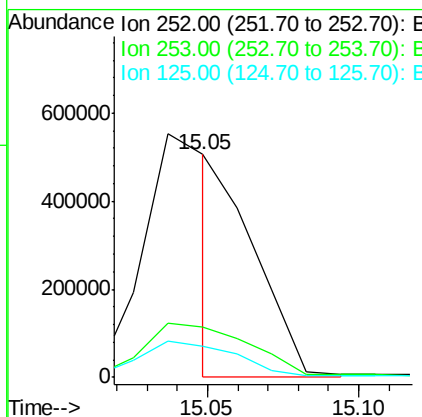
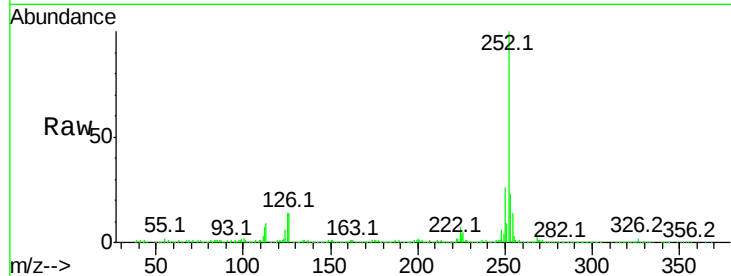
#88
Benzo(k)fluoranthene
Concen: 29.06 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	13.8	8.9	13.3

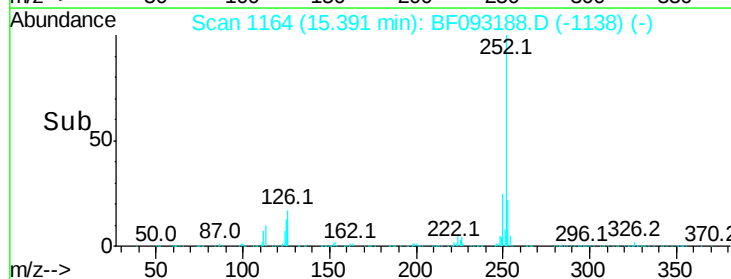
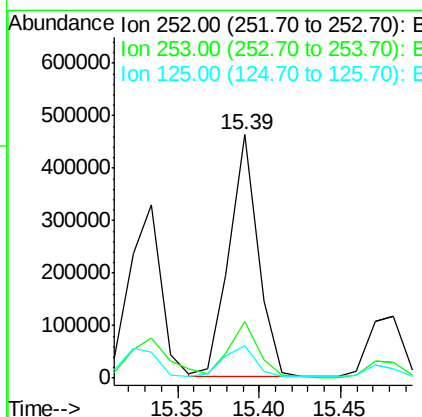
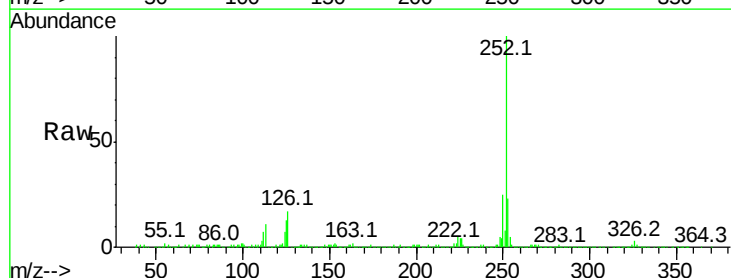
Manual Integrations
APPROVED

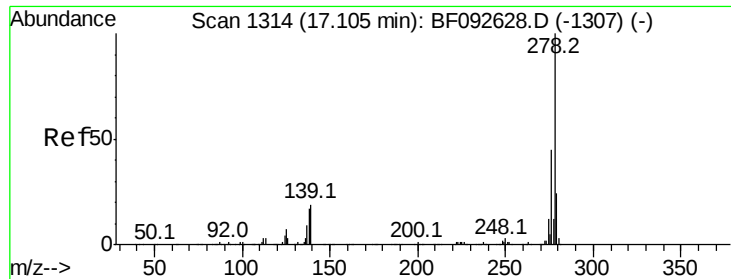
mohammad
2/27/2017 1:08:51 PM



#89
Benzo(a)pyrene
Concen: 39.53 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.2	10.0	15.0





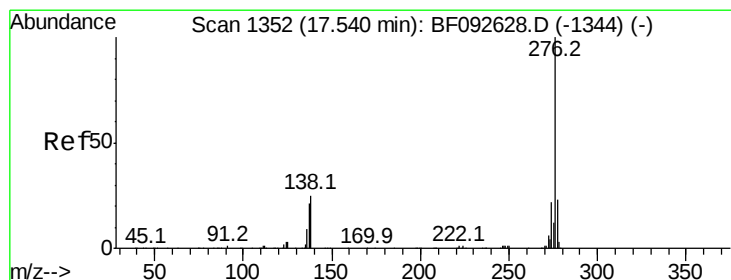
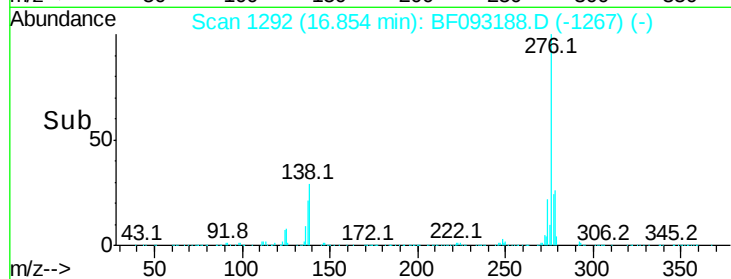
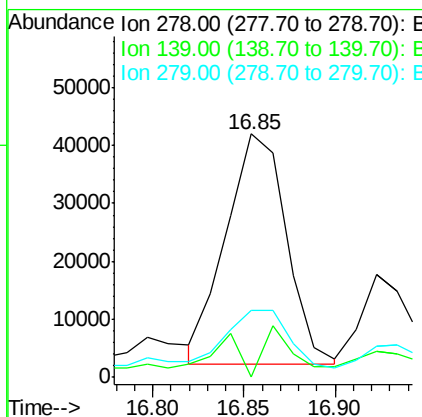
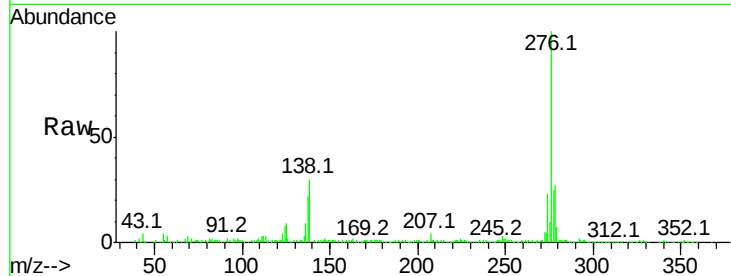
#90
Dibenzo(a,h)anthracene
Concen: 7.93 ng/mL
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Instrument :
BNA_F
ClientSampled :
E2-B1-SW-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	27.6	19.8	29.6

Manual Integrations
APPROVED

mohammad
2/27/2017 1:08:51 PM



#91
Benzo(g,h,i)perylene
Concen: 23.58 ng/mL
RT: 17.29 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF093188.D
Acq: 25 Feb 2017 13:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	27.0	16.0	24.0#

