

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
 Data File : BF092826.D
 Acq On : 7 Feb 2017 13:54
 Operator : SJ/MA
 Sample : I1699-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-2

Manual Integrations
 APPROVED

mohammad
 2/8/2017 10:42:47 AM

Quant Time: Feb 08 03:36:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	142245	20.00	ng	-0.07
21) Naphthalene-d8	8.19	136	582641	20.00	ng	-0.07
38) Acenaphthene-d10	9.95	164	286224	20.00	ng	-0.06
63) Phenanthrene-d10	11.44	188	410021	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	316121	20.00	ng	-0.07
86) Perylene-d12	15.53	264	280991	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	507766	61.24	ng	-0.06
7) Phenol-d6	6.54	99	967891	90.73	ng	-0.06
23) Nitrobenzene-d5	7.47	82	689344	65.89	ng	-0.07
41) 2,4,6-Tribromophenol	10.74	330	75199	36.33	ng	-0.07
44) 2-Fluorobiphenyl	9.26	172	1105347	69.96	ng	-0.07
78) Terphenyl-d14	13.01	244	747593	55.57	ng	-0.07
Target Compounds						Qvalue
10) Phenol	6.56	94	48493	3.89	ng	82
31) Naphthalene	8.21	128	63326	2.14	ng	97
49) Dimethylphthalate	9.66	163	114085	5.92	ng	98
51) Acenaphthene	9.97	154	61788	3.69	ng	96
54) Dibenzofuran	10.14	168	74370	3.32	ng	97
57) Fluorene	10.49	166	104349	6.06	ng	100
70) Phenanthrene	11.46	178	721246	30.70	ng	97
71) Anthracene	11.50	178	209826	8.89	ng	96
72) Carbazole	11.66	167	53366	2.37	ng	98
74) Fluoranthene	12.65	202	693400	28.62	ng	95
77) Pyrene	12.88	202	581666	24.59	ng	98
80) Benzo(a)anthracene	14.07	228	300679	15.55	ng	99
82) Chrysene	14.10	228	261487m	14.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	98990m	7.06	ng	
87) Benzo(b)fluoranthene	15.11	252	304891m	16.49	ng	
88) Benzo(k)fluoranthene	15.12	252	126813m	7.94	ng	
89) Benzo(a)pyrene	15.46	252	215588	13.48	ng	# 92
90) Dibenzo(a,h)anthracene	16.98	278	29573m	2.29	ng	
91) Benzo(a,h,i)perylene	17.40	276	100233	7.67	ng	# 90

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

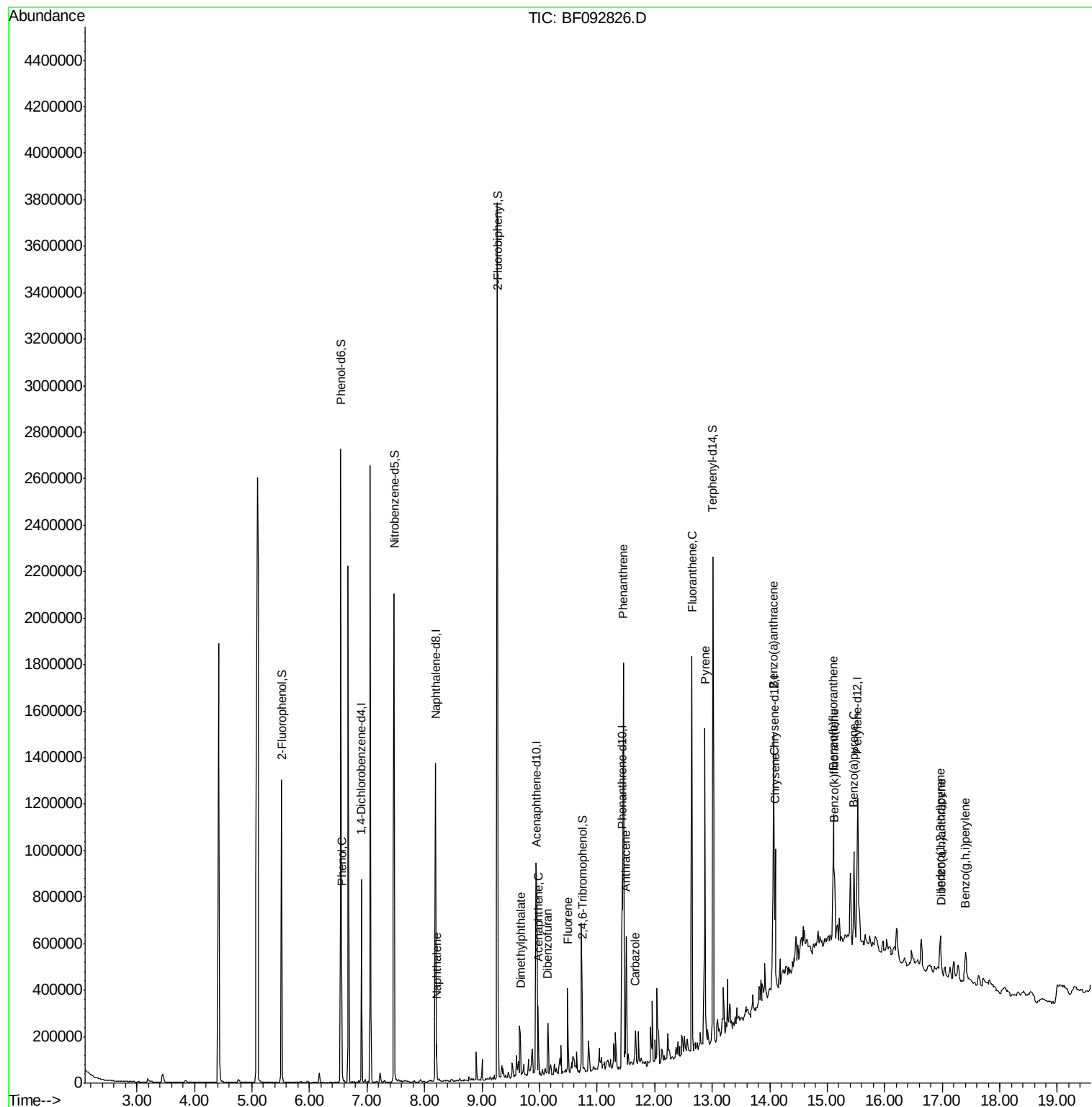
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092826.D
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ALS Vial : 5 Sample Multiplier: 1

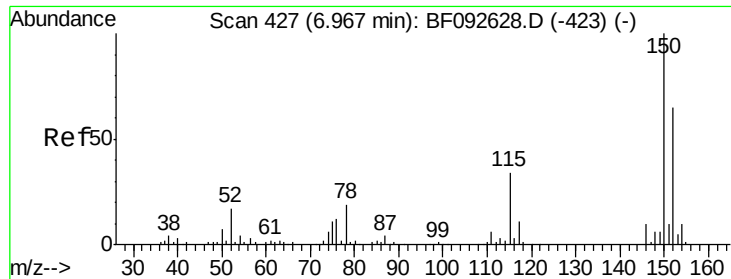
Instrument :
BNA_F
ClientSampleId :
F-2

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#1

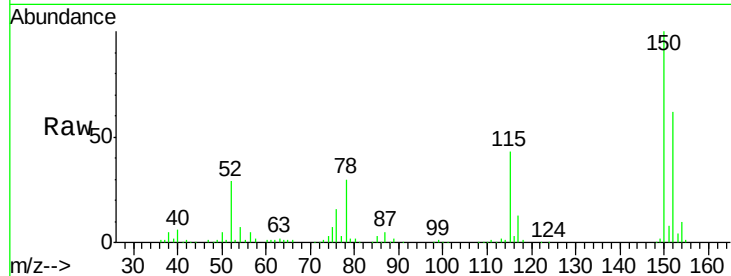
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

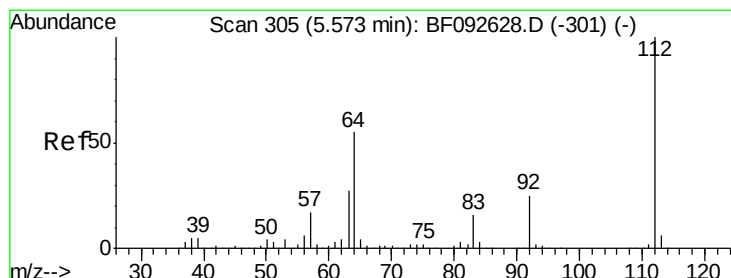
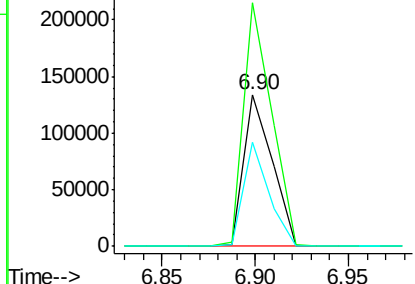
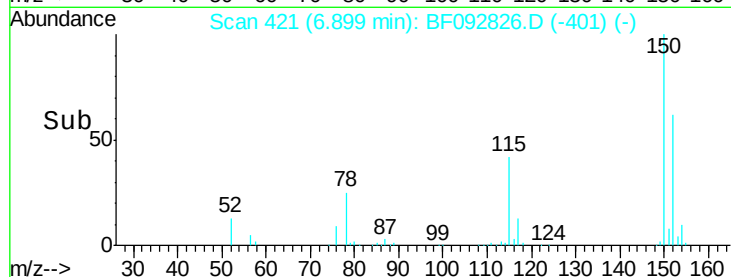
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.9	187.3
115	68.4	46.0	69.0

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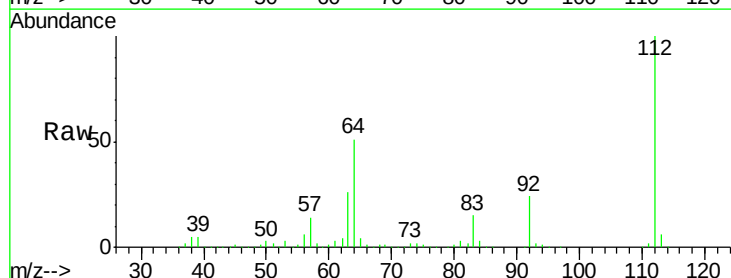
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



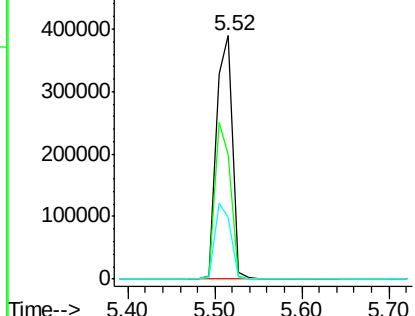
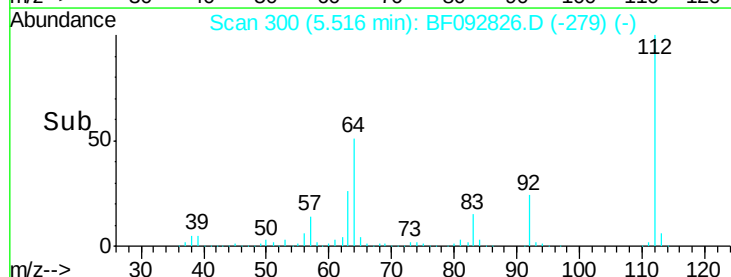
#5

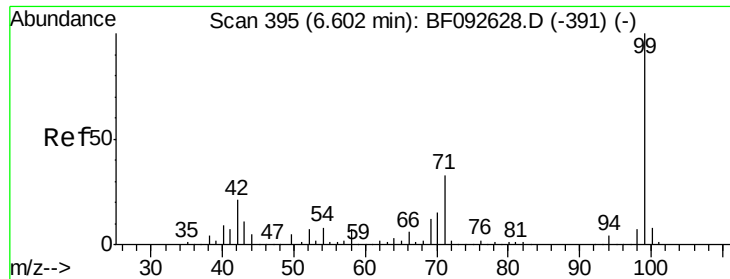
2-Fluorophenol
Concen: 61.24 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	46.1	69.1
63	25.7	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: 90.73 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.06 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

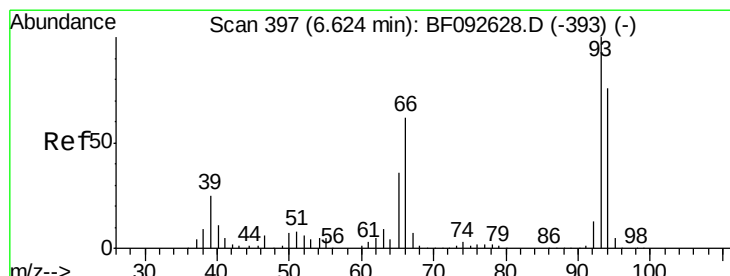
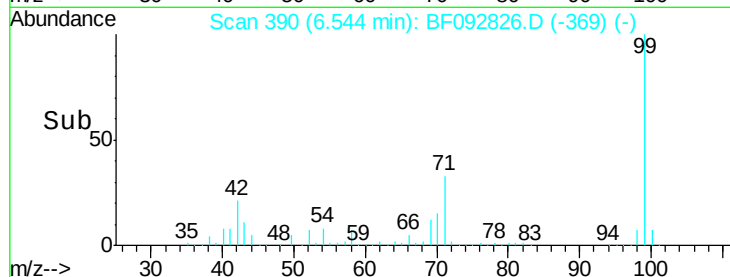
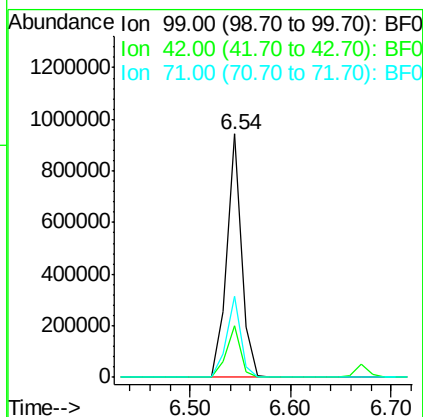
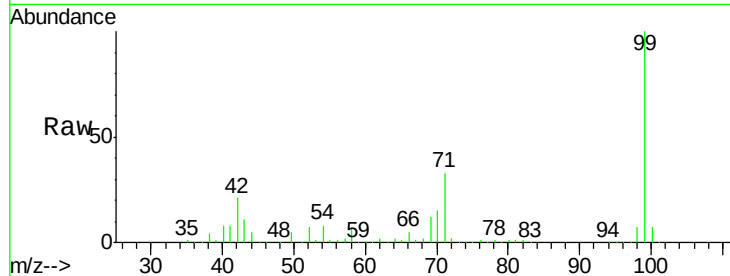
ClientSampled :

F-2

Tot Ion:	99	Resp:	967891
Ion Ratio	Lower	Upper	
99	100		
42	21.0	15.6	23.4
71	33.4	27.5	41.3

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#10

Phenol

Concen: 3.89 ng

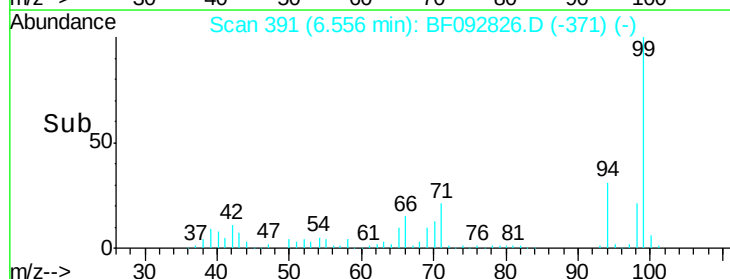
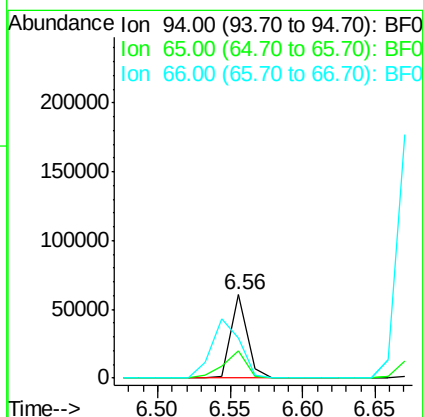
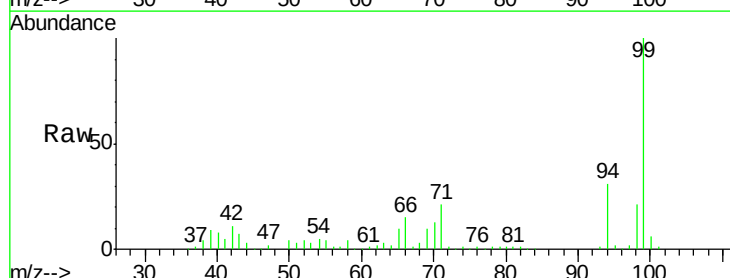
RT: 6.56 min Scan# 391

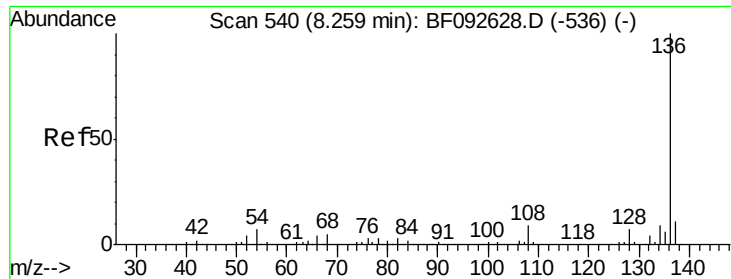
Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Tgt Ion:	94	Resp:	48493
Ion Ratio	Lower	Upper	
94	100		
65	33.0	21.4	61.4
66	47.8	44.0	84.0





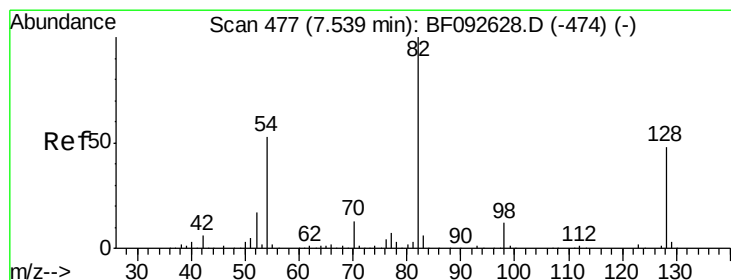
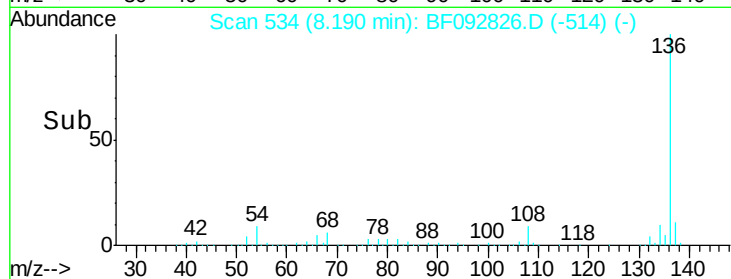
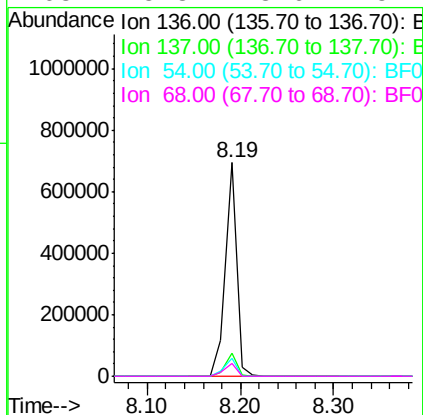
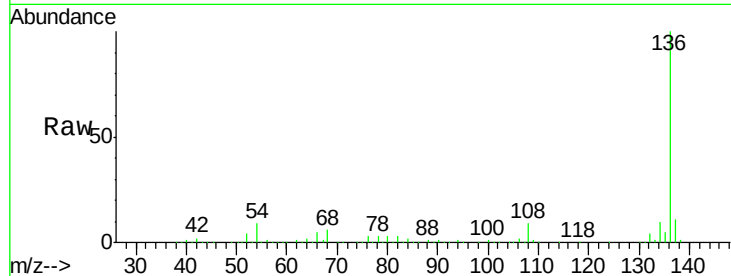
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	582641		
137	10.9		8.4	12.6
54	8.6		4.5	6.7#
68	5.8		3.6	5.4#

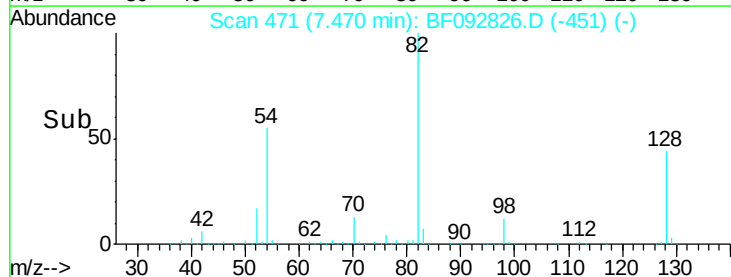
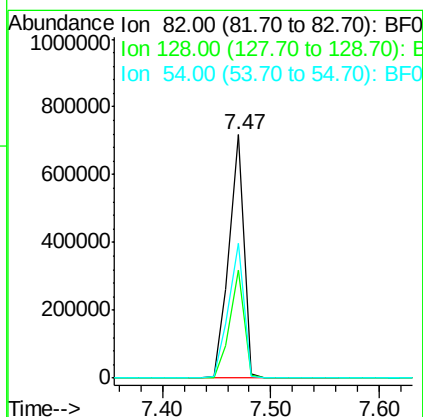
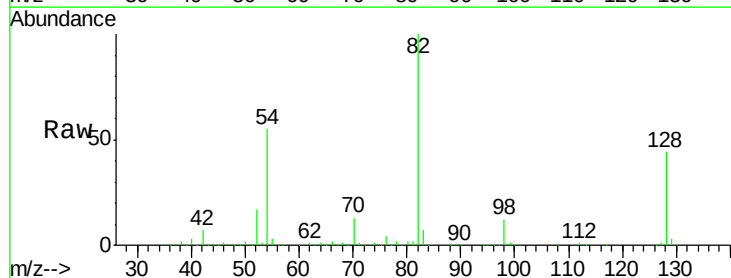
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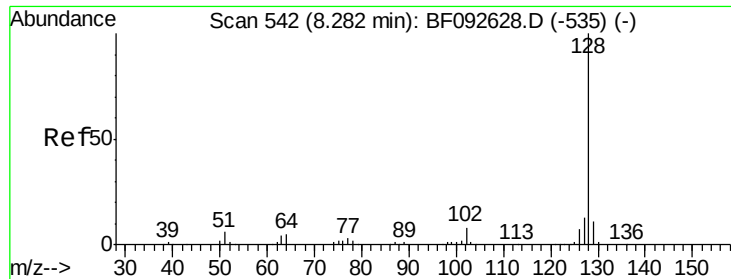
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#23
Nitrobenzene-d5
Concen: 65.89 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	689344		
128	44.4		34.6	52.0
54	55.3		39.5	59.3





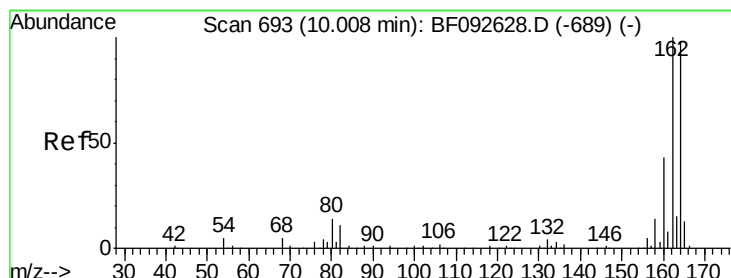
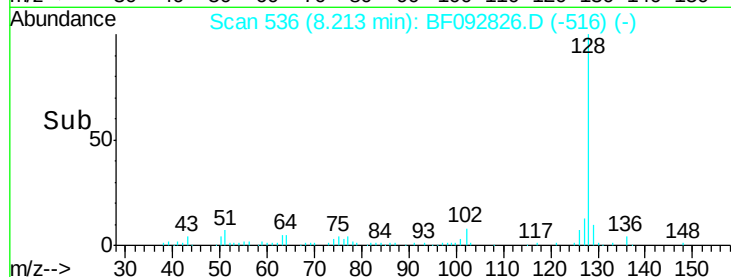
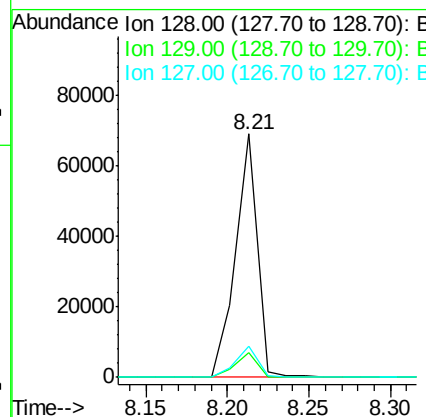
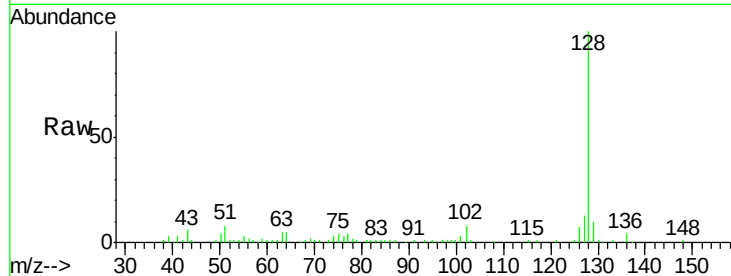
#31
Naphthalene
Concen: 2.14 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.5	14.3
127	12.7	10.8	16.2

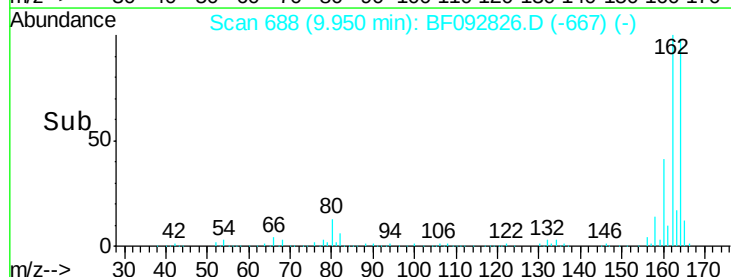
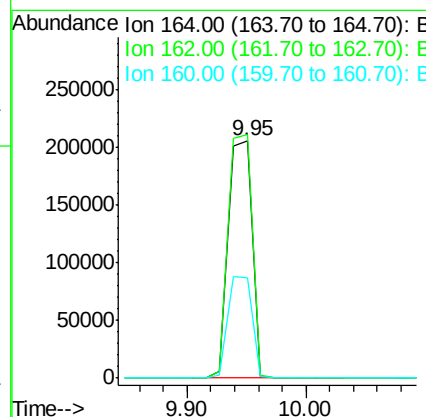
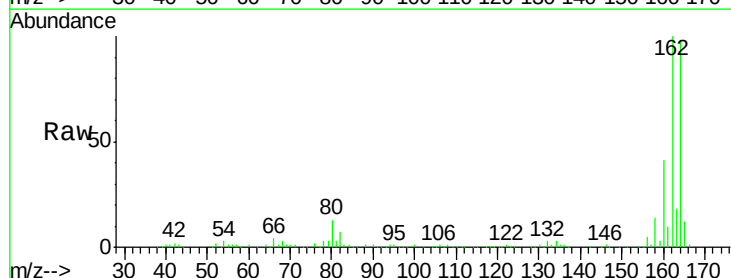
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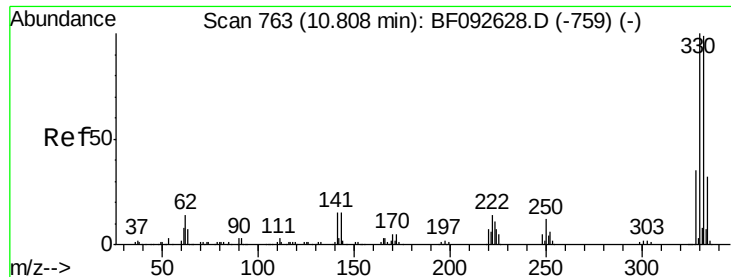
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.2	120.2
160	41.9	36.9	55.3





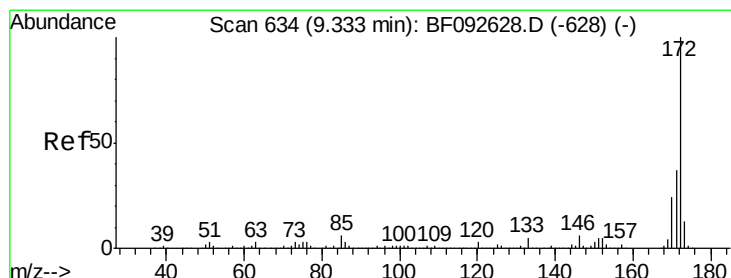
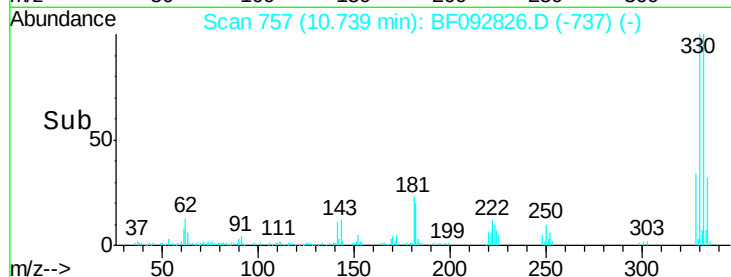
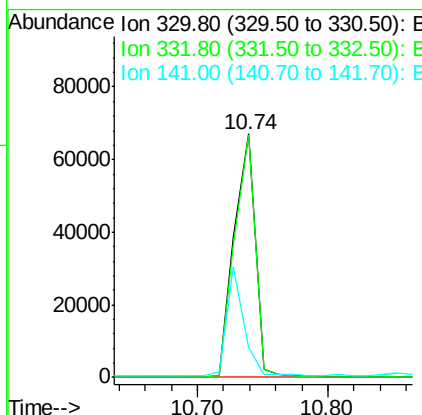
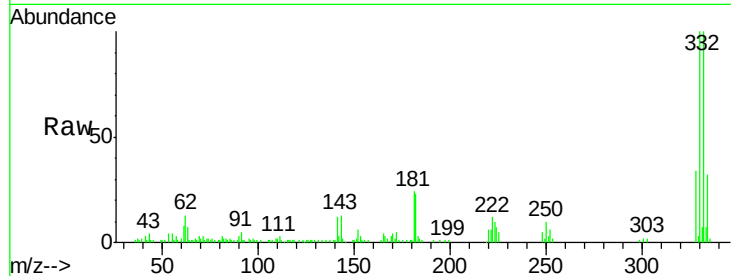
#41
 2,4,6-Tribromophenol
 Concen: 36.33 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Instrument :
 BNA_F
 ClientSampleId :
 F-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	75199		
332	97.4		77.4	116.2
141	36.7		34.1	51.1

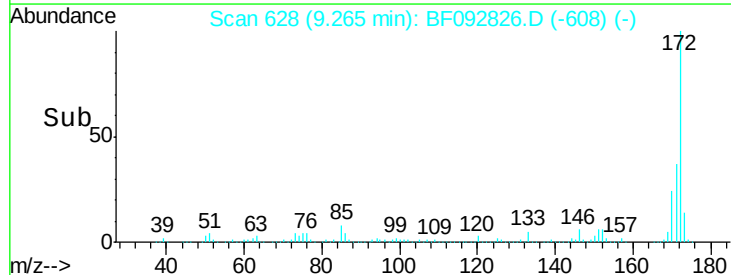
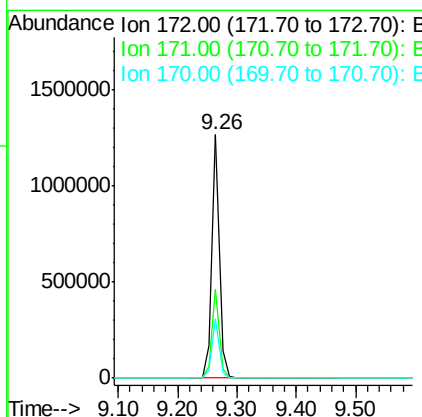
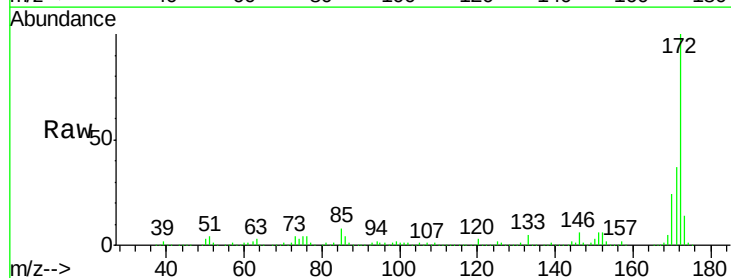
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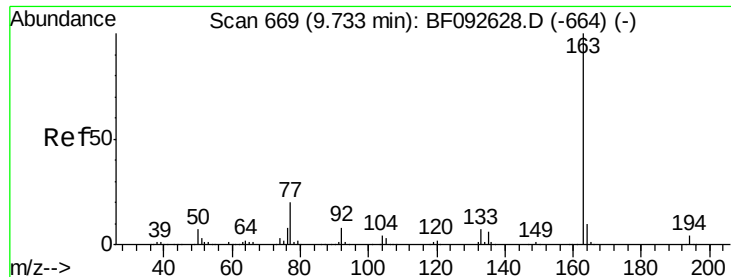
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#44
 2-Fluorobiphenyl
 Concen: 69.96 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1105347		
171	36.5		29.4	44.0
170	24.5		20.2	30.4





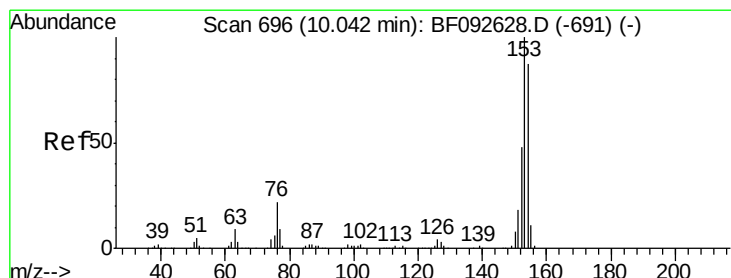
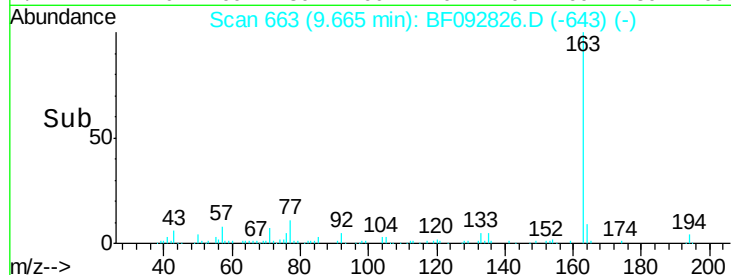
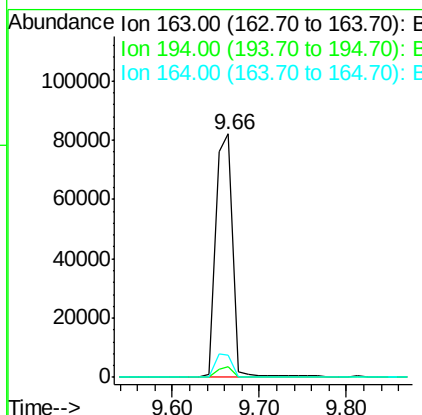
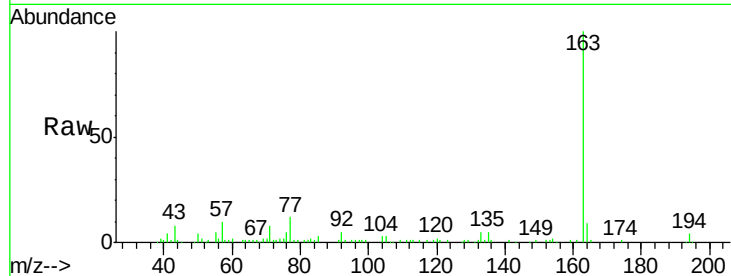
#49
Dimethylphthalate
Concen: 5.92 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	114085		
194	4.2		3.0	4.4
164	9.2		8.0	12.0

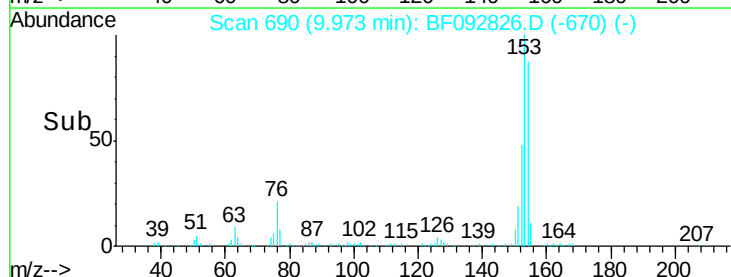
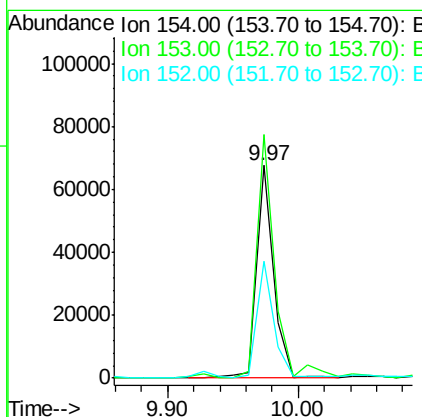
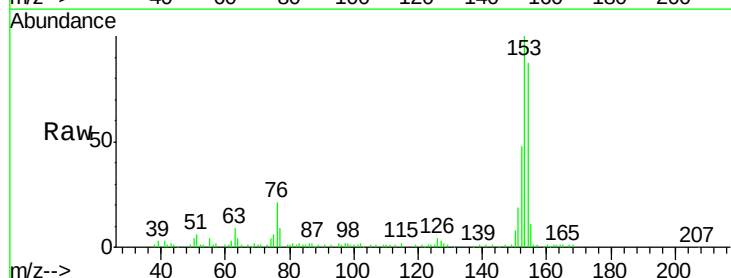
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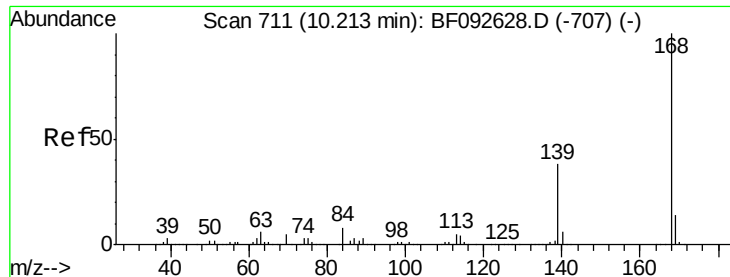
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#51
Acenaphthene
Concen: 3.69 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	61788		
153	114.4		88.6	133.0
152	55.0		41.6	62.4





#54

Dibenzenofuran

Concen: 3.32 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

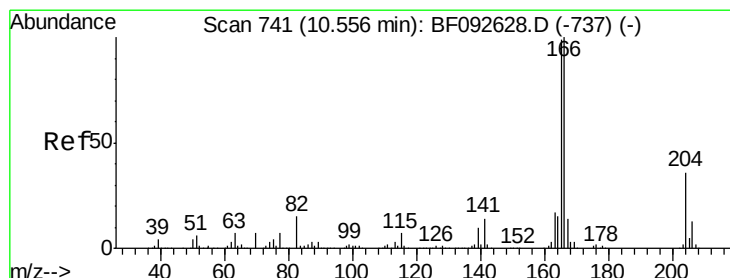
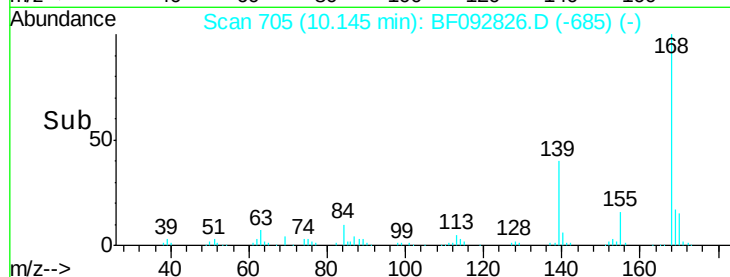
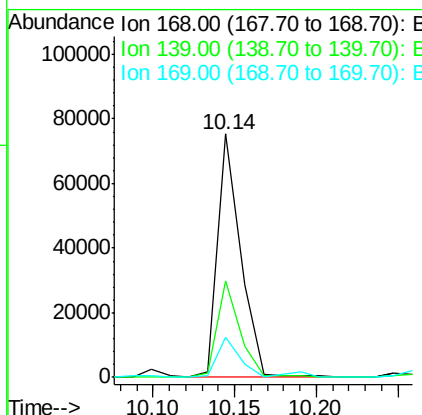
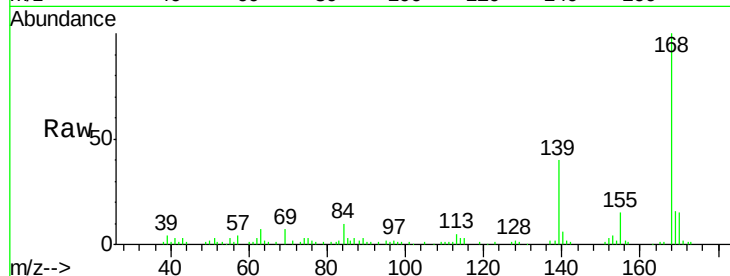
ClientSampled :

F-2

Tot Ion:	168	Resp:	74370
Ion	Ratio	Lower	Upper
168	100		
139	39.6	32.6	49.0
169	16.5	11.3	16.9

Manual Integrations
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#57

Fluorene

Concen: 6.06 ng

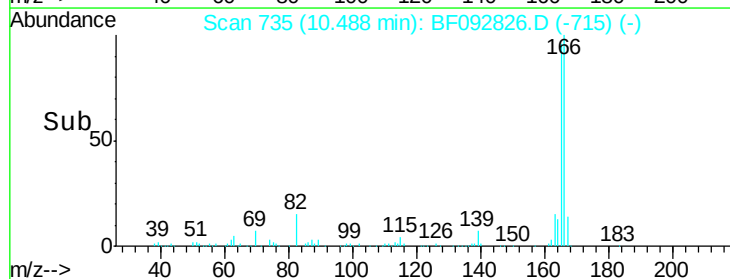
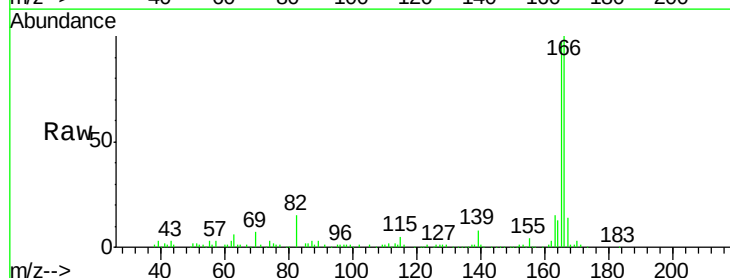
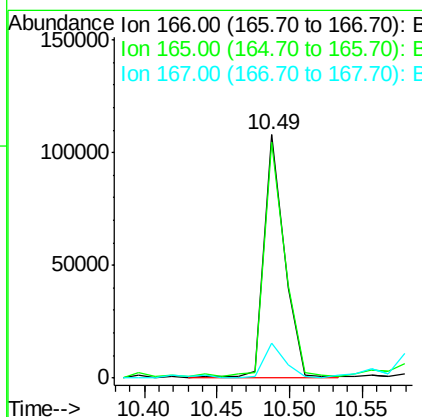
RT: 10.49 min Scan# 735

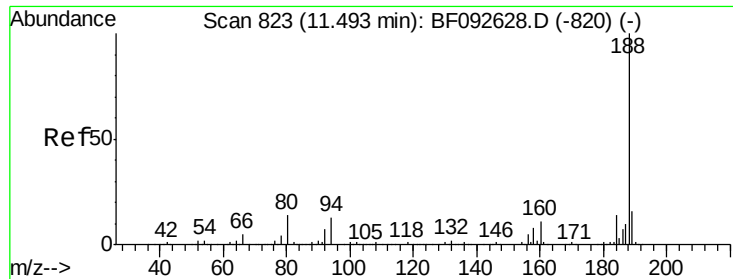
Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Tgt Ion:	166	Resp:	104349
Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	14.4	10.8	16.2





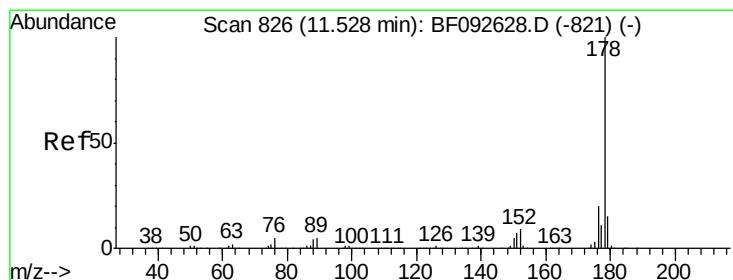
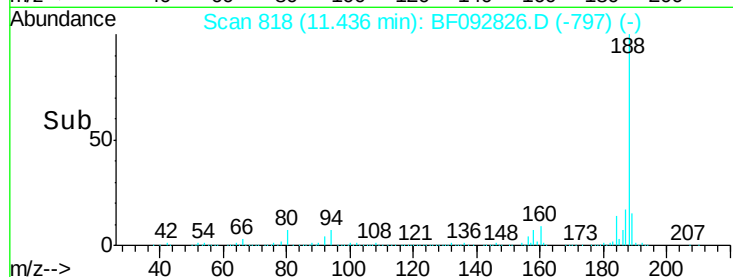
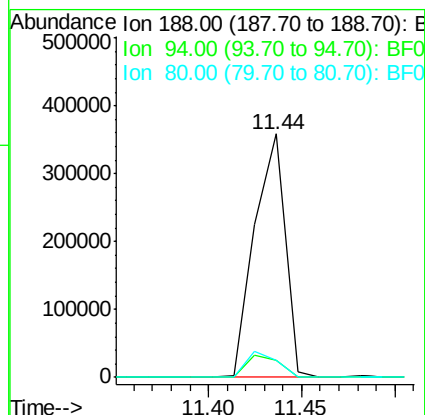
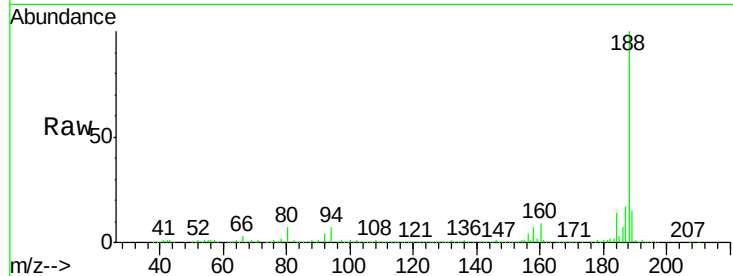
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	410021		
94	7.1	10.0	15.0#	
80	7.1	11.2	16.8#	

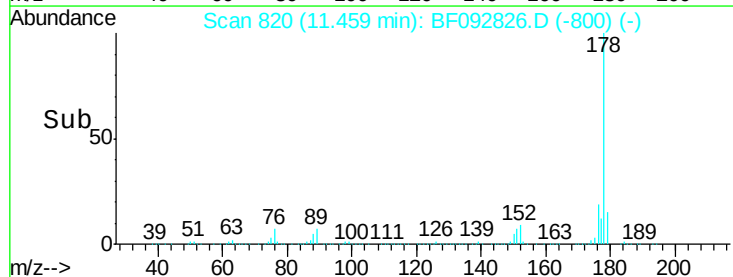
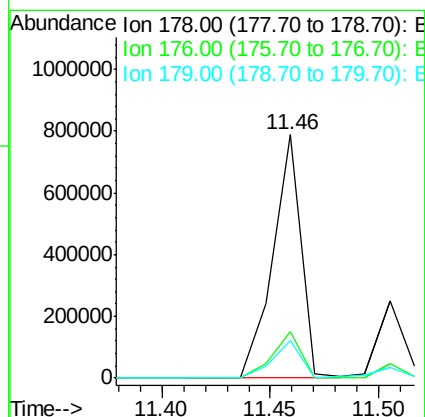
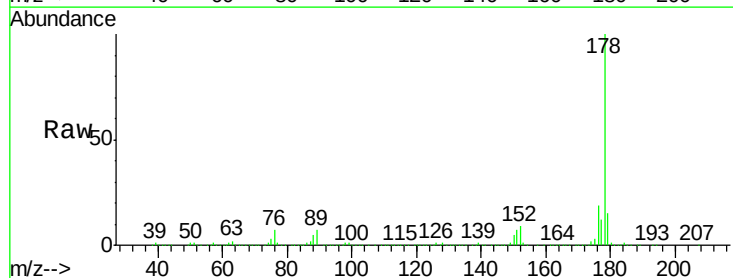
Manual Integrations
APPROVED

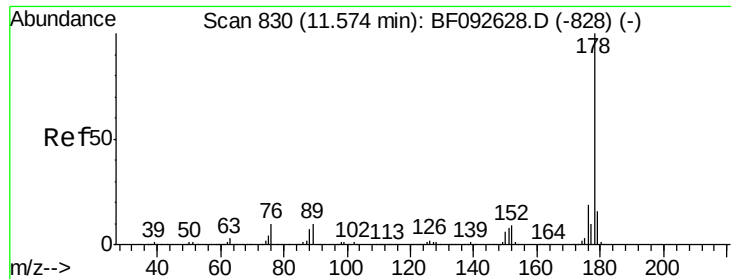
mohammad
2/8/2017 10:42:47 AM



#70
Phenanthrene
Concen: 30.70 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	721246		
176	19.3	16.6	25.0	
179	15.3	12.8	19.2	





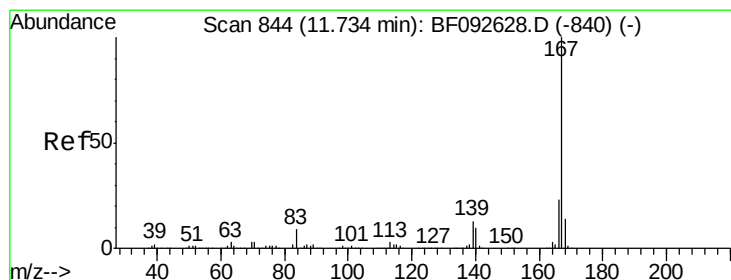
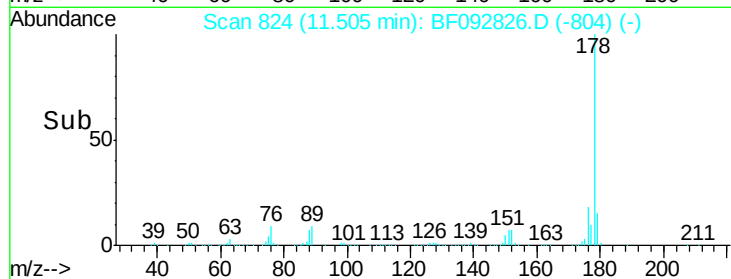
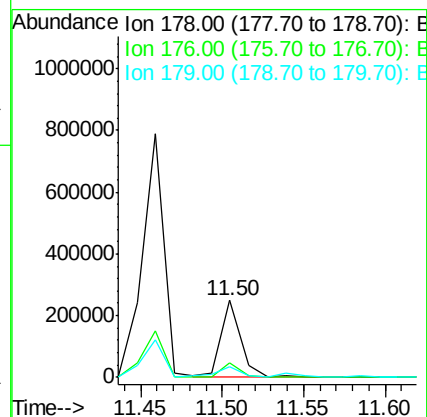
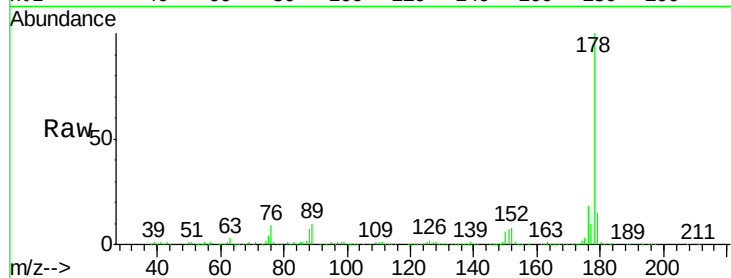
#71
 Anthracene
 Concen: 8.89 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Instrument :
 BNA_F
 ClientSampled :
 F-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	14.7	13.2	19.8

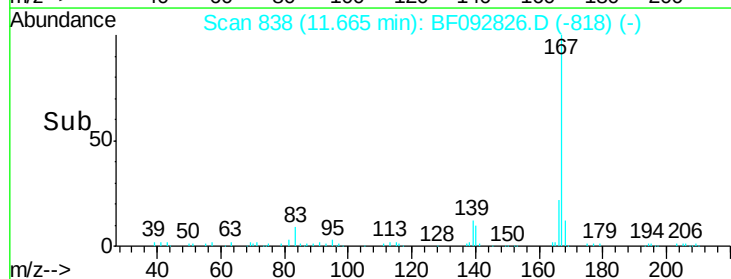
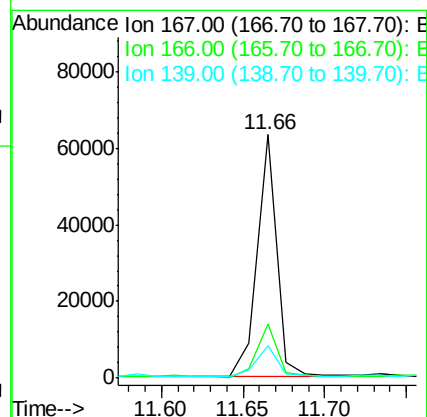
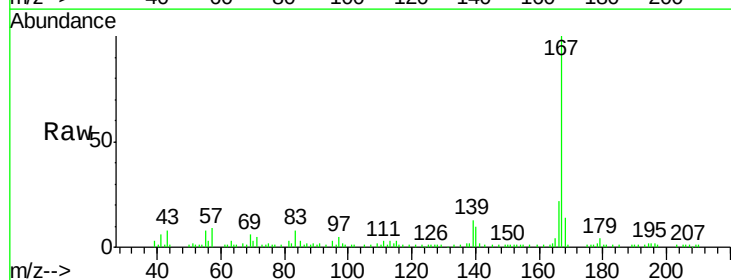
Manual Integrations
 APPROVED

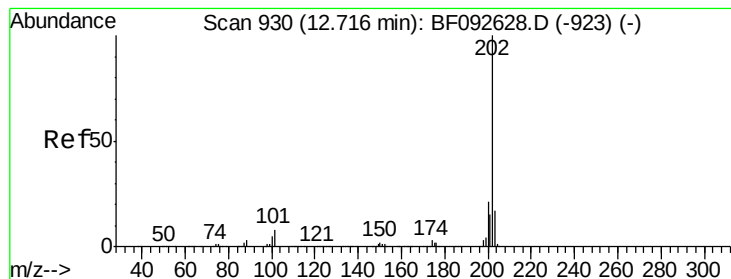
mohammad
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#72
 Carbazole
 Concen: 2.37 ng
 RT: 11.66 min Scan# 838
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.2	27.2
139	13.1	11.4	17.2





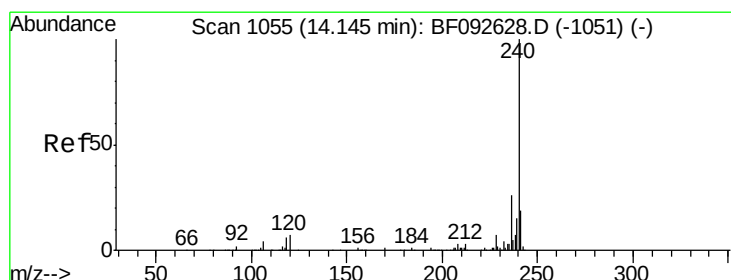
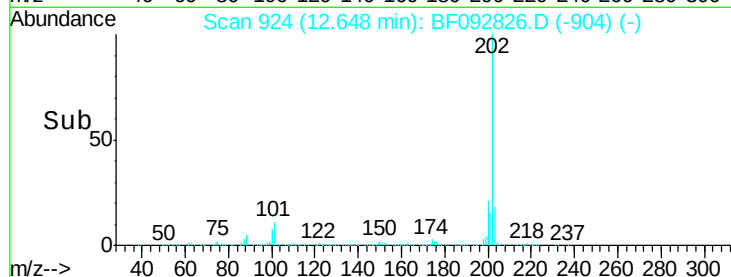
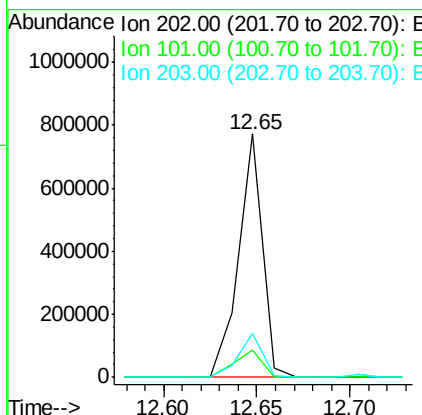
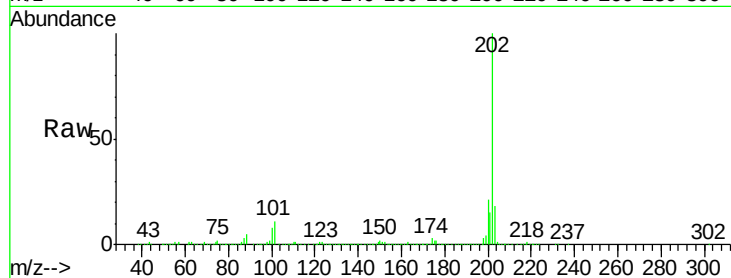
#74
Fluoranthene
Concen: 28.62 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	34.6
203	18.0	0.0	38.7

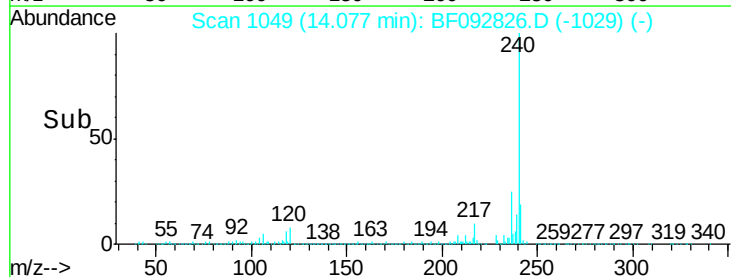
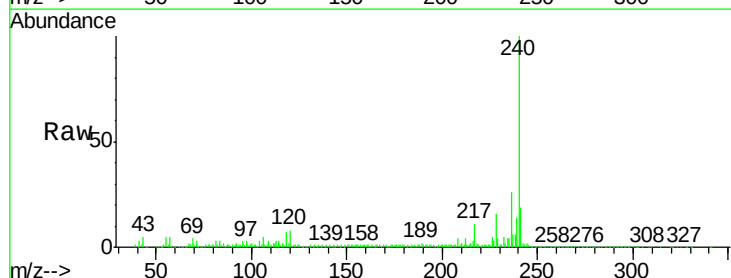
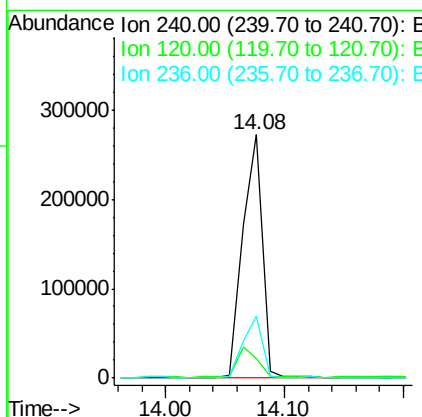
Manual Integrations
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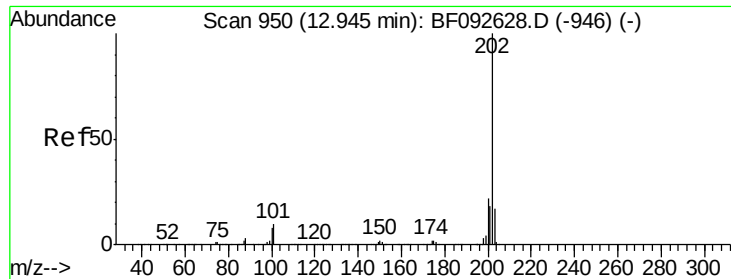
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.0	12.9	19.3#
236	25.5	20.9	31.3





#77

Pvrene

Concen: 24.59 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

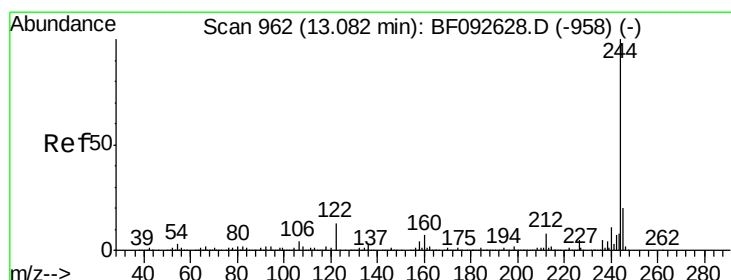
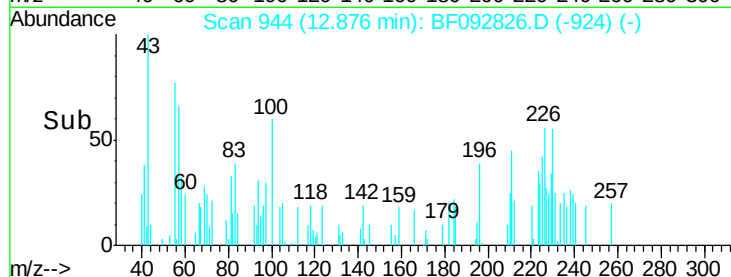
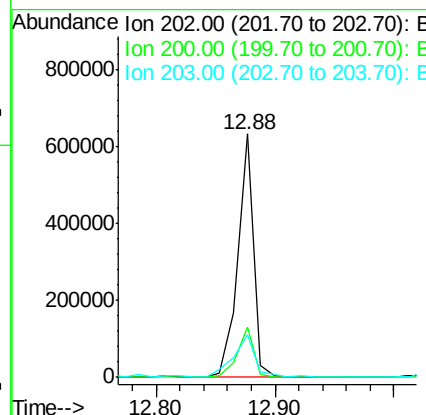
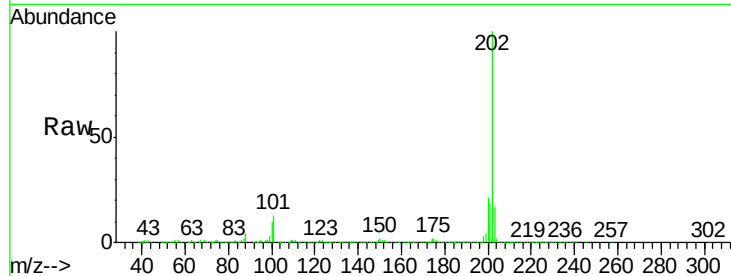
ClientSampled :

F-2

Tot Ion:	202	Resp:	581666
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.7	26.5
203	17.5	14.7	22.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 55.57 ng

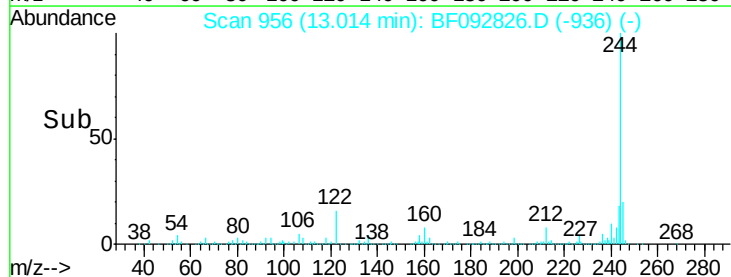
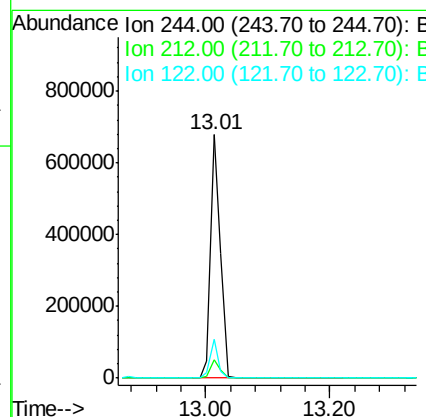
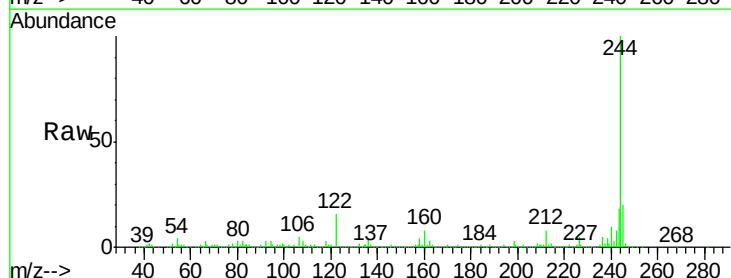
RT: 13.01 min Scan# 956

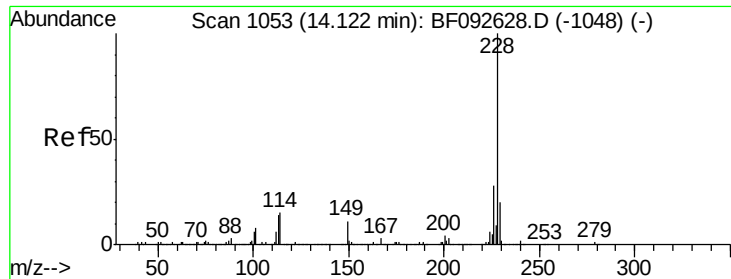
Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Tgt Ion:	244	Resp:	747593
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.2	9.2
122	15.7	11.4	17.2





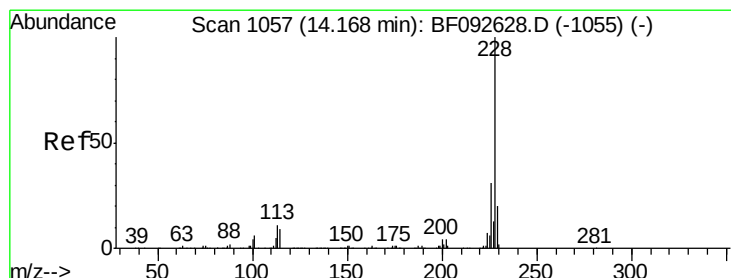
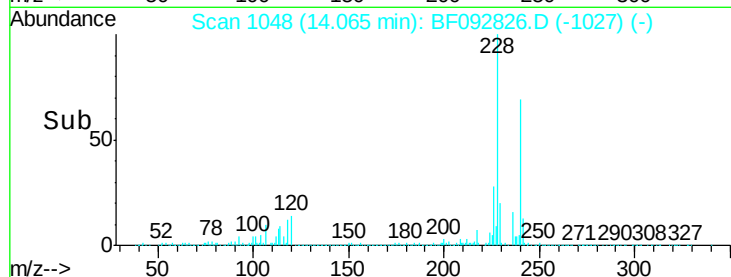
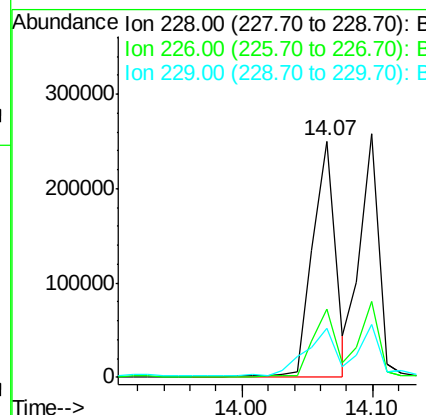
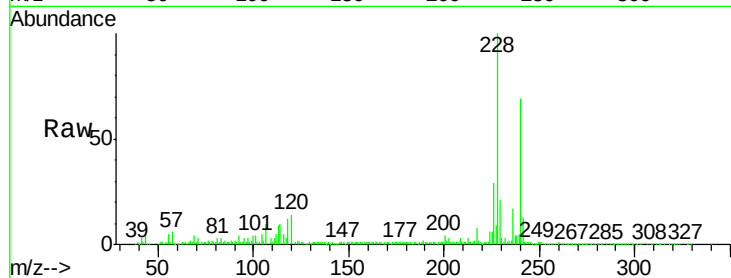
#80
Benzo(a)anthracene
Concen: 15.55 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		300679		
226	28.9	22.4	33.6		
229	20.6	16.2	24.4		

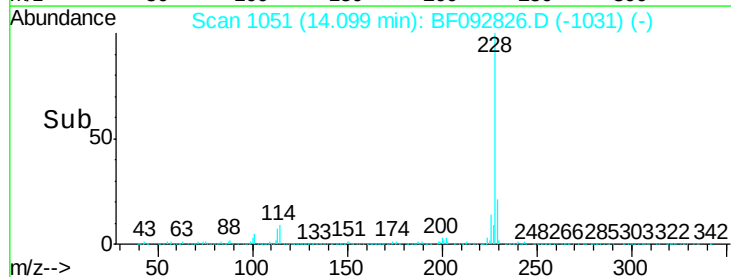
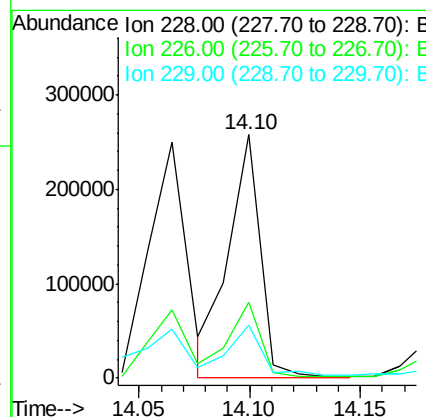
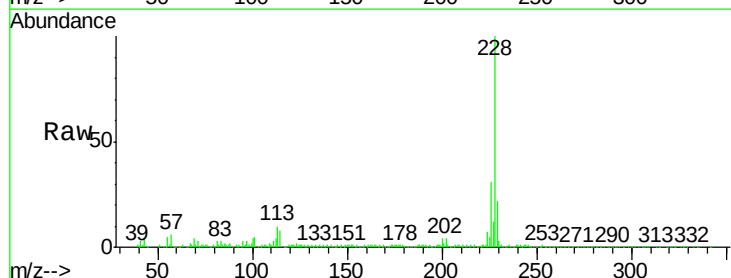
Manual Integrations
APPROVED

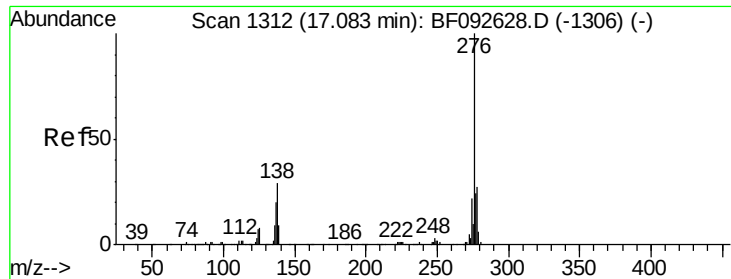
mohammad
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#82
Chrysene
Concen: 14.44 ng m
RT: 14.10 min Scan# 1051
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		261487		
226	31.0	25.4	38.0		
229	21.7	16.2	24.2		





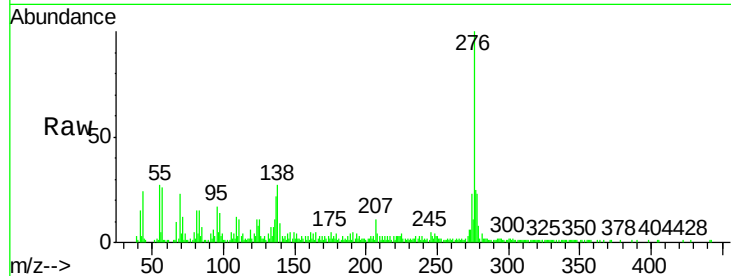
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.06 ng/ml
RT: 16.97 min Scan# 1302
Delta R.T. -0.11 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.0	21.8	32.6#
277	5.0	20.2	30.4#

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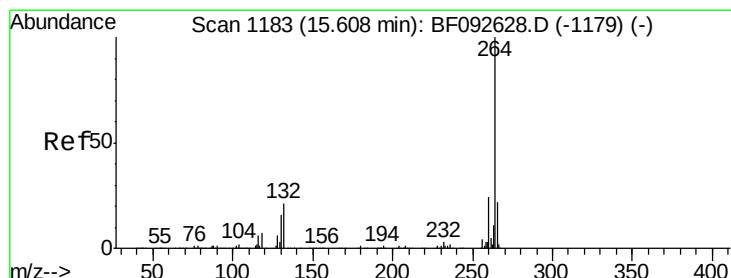
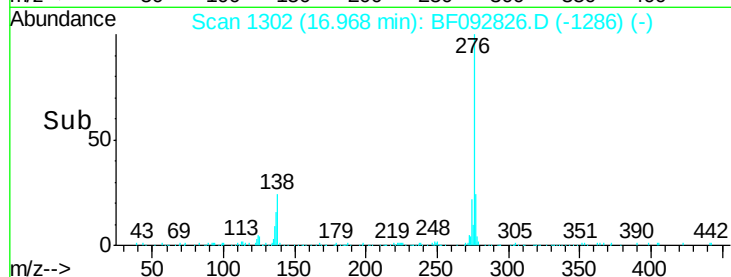
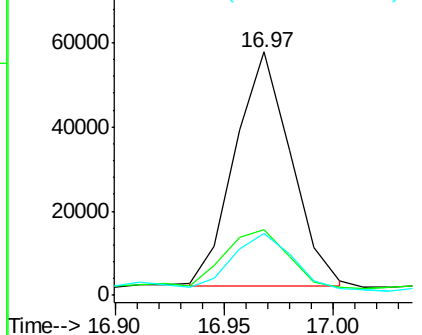


Abundance

Ion 276.00 (275.70 to 276.70): E

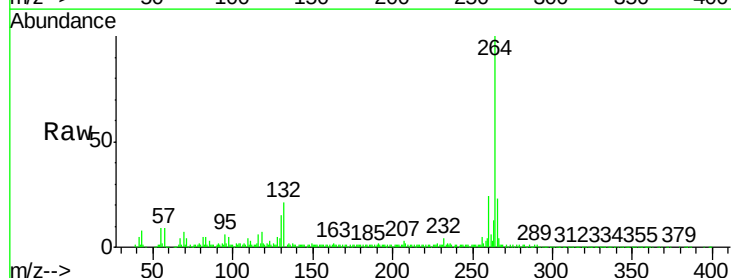
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.4	26.0

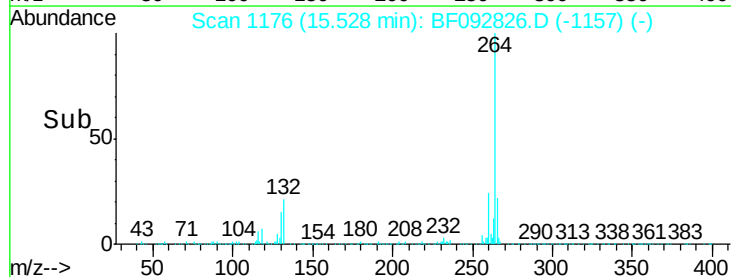
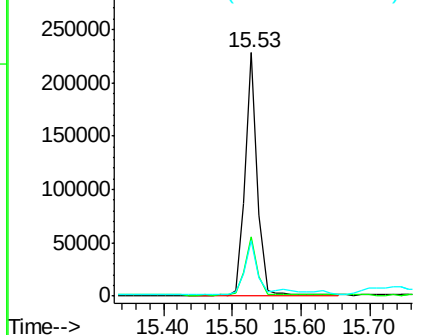


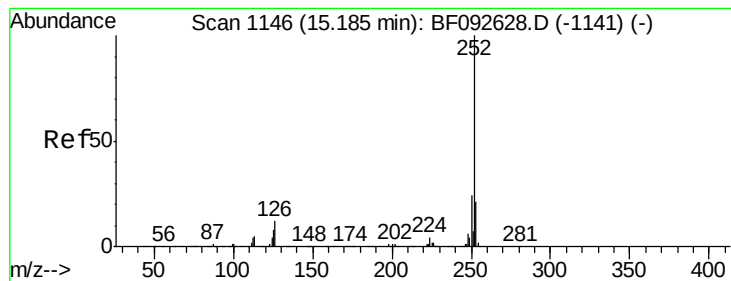
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.49 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.08 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

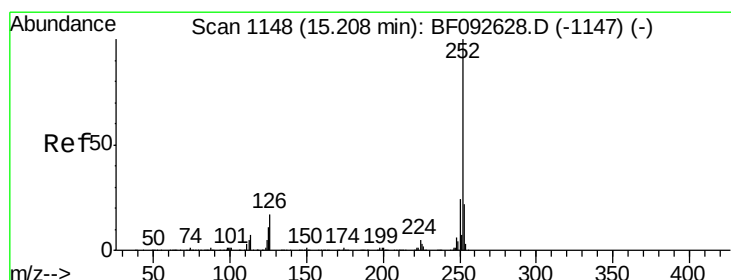
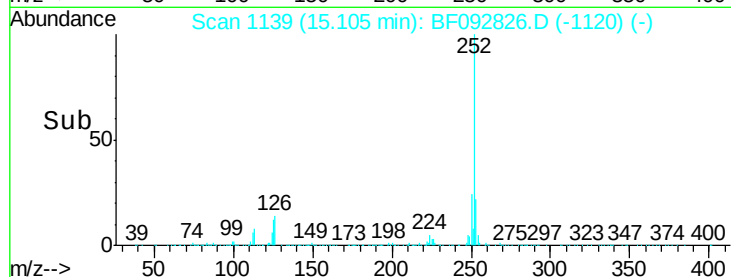
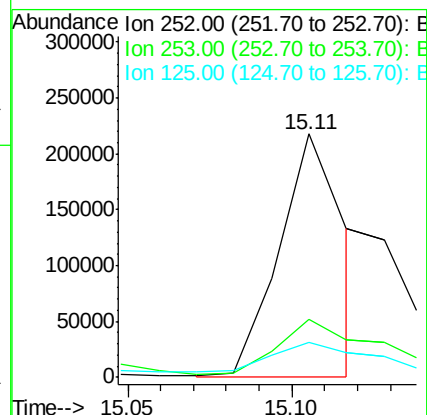
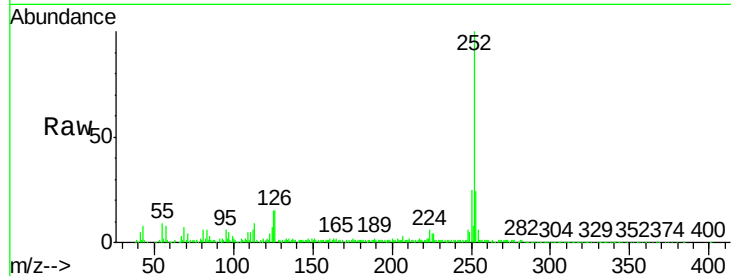
ClientSampled :

F-2

Tot Ion:	252	Resp:	304891
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	14.5	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 7.94 ng m

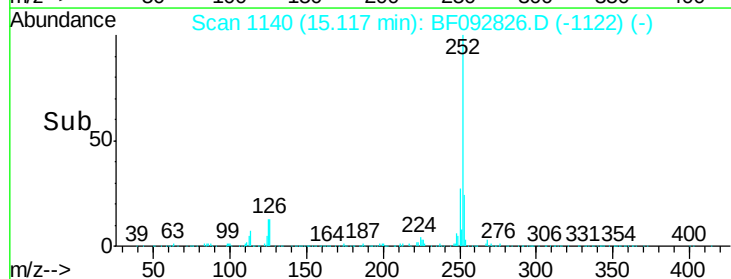
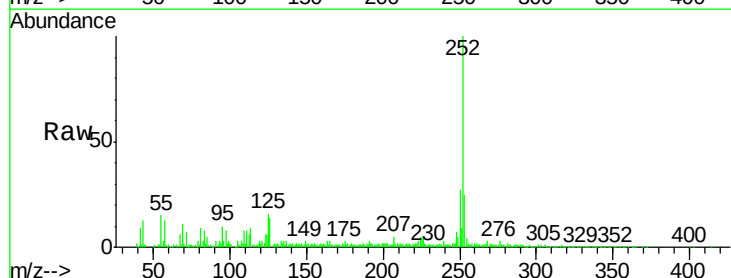
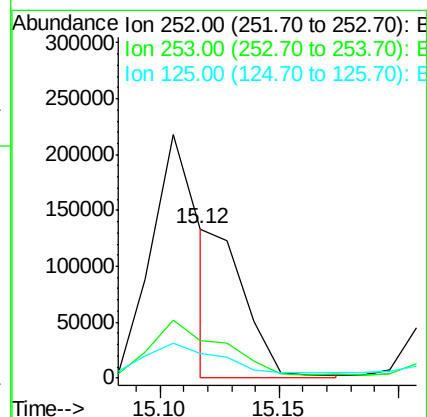
RT: 15.12 min Scan# 1140

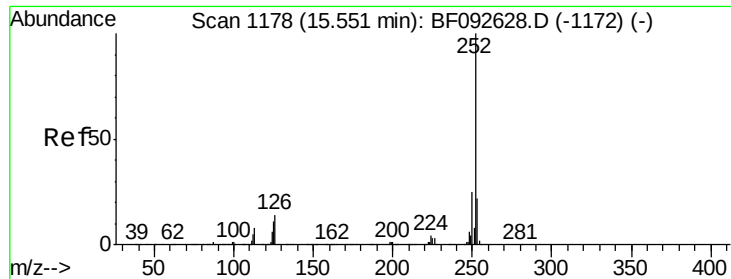
Delta R.T. -0.09 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Tgt Ion:	252	Resp:	126813
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.5	27.7
125	16.4	8.9	13.3#





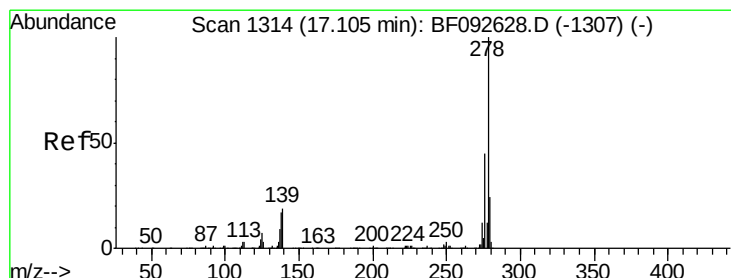
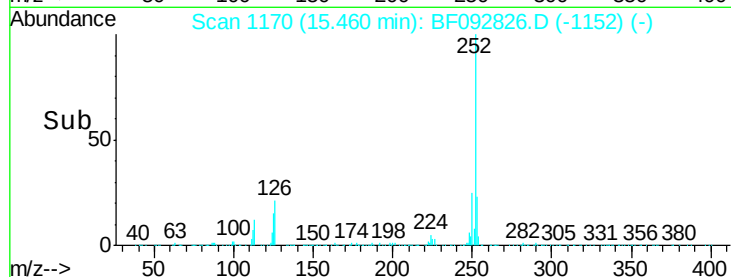
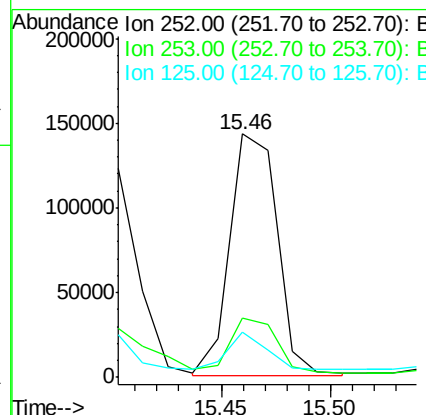
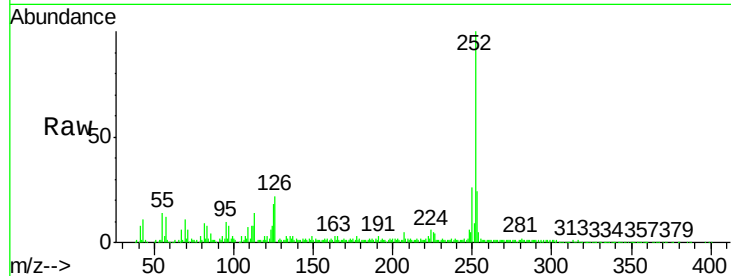
#89
Benzo(a)pyrene
Concen: 13.48 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	18.2	27.2
125	18.3	10.0	15.0

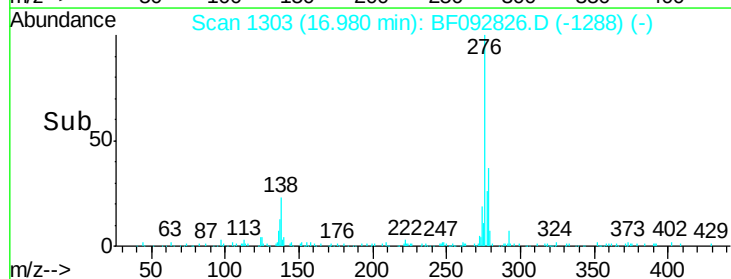
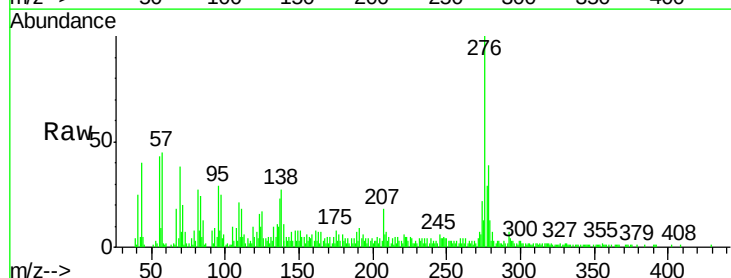
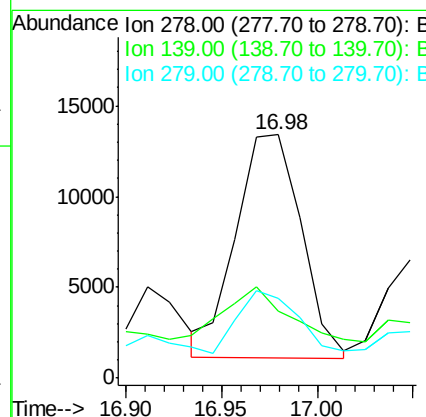
Manual Integrations
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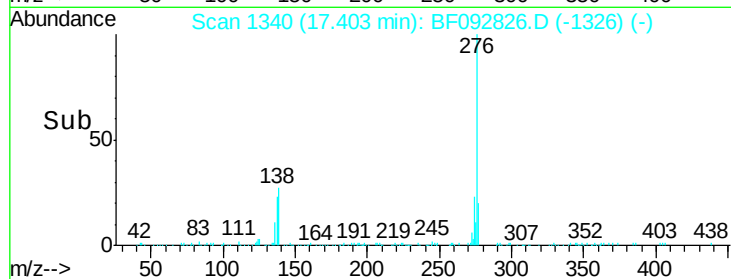
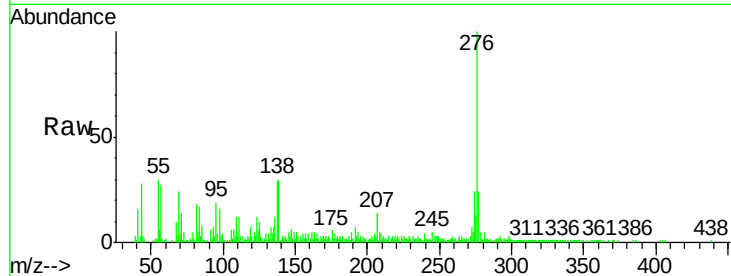
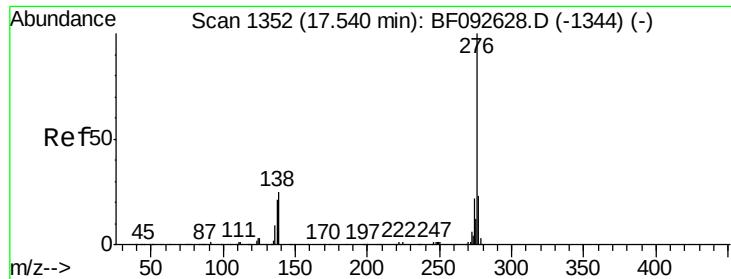
mohammad
2/8/2017 10:42:47 AM



#90
Dibenzo(a,h)anthracene
Concen: 2.29 ng m
RT: 16.98 min Scan# 1303
Delta R.T. -0.13 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	27.5	14.8	22.2
279	32.9	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.67 ng
 RT: 17.40 min Scan# 1340
 Delta R.T. -0.14 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Instrument :
 BNA_F
 ClientSampleId :
 F-2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.3	19.2	28.8
138	29.8	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/8/2017 10:42:47 AM

