

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
 Data File : BF092827.D
 Acq On : 7 Feb 2017 14:21
 Operator : SJ/MA
 Sample : I1707-02DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2BDL

Manual Integrations
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 2/8/2017 10:42:50 AM

Quant Time: Feb 07 16:11:23 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	6.91	152	145603	20.00	ng	-0.06
21) Naphthalene-d8	8.19	136	569141	20.00	ng	-0.07
38) Acenaphthene-d10	9.95	164	307555	20.00	ng	-0.06
63) Phenanthrene-d10	11.44	188	411195	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	319123	20.00	ng	-0.07
86) Perylene-d12	15.53	264	297510	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	525542	61.92	ng	-0.06
7) Phenol-d6	6.54	99	651174	59.63	ng	-0.06
23) Nitrobenzene-d5	7.47	82	398342	38.98	ng	-0.07
41) 2,4,6-Tribromophenol	10.74	330	109485	49.22	ng	-0.07
44) 2-Fluorobiphenyl	9.26	172	652310	38.42	ng	-0.07
78) Terphenyl-d14	13.01	244	434170	31.97	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	8.21	128	197233	6.84	ng	98
45) 1,1'-Biphenyl	9.37	154	154305	6.93	ng	98
49) Dimethylphthalate	9.66	163	194759	9.40	ng	98
51) Acenaphthene	9.98	154	477390	26.53	ng	94
54) Dibenzofuran	10.16	168	843252	35.04	ng	92
57) Fluorene	10.50	166	740404	39.99	ng	99
70) Phenanthrene	11.46	178	1325950	56.28	ng	99
71) Anthracene	11.50	178	301083	12.73	ng	99
74) Fluoranthene	12.65	202	753388	31.00	ng	96
77) Pyrene	12.88	202	523468	21.92	ng	99
80) Benzo(a)anthracene	14.07	228	121723	6.24	ng	99
82) Chrysene	14.10	228	90052m	4.93	ng	
87) Benzo(b)fluoranthene	15.11	252	61341m	3.13	ng	
89) Benzo(a)pyrene	15.46	252	40532	2.39	ng	# 92

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

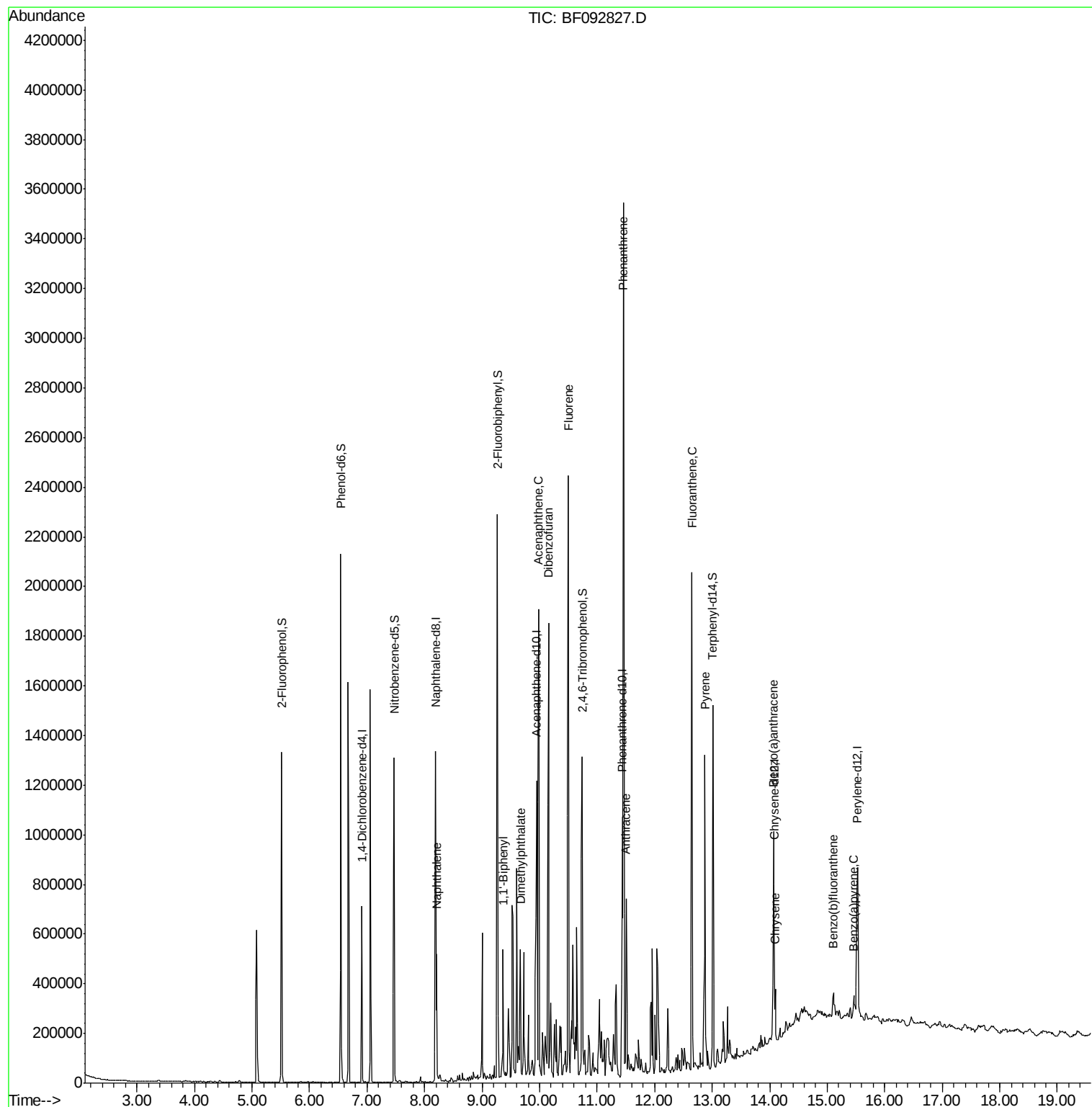
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
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ALS Vial : 6 Sample Multiplier: 1

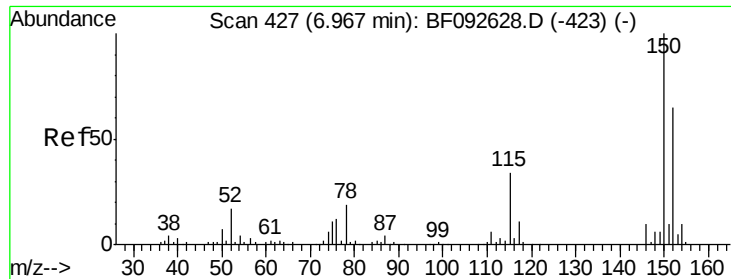
Instrument :
BNA_F
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Quant Time: Feb 07 16:11:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

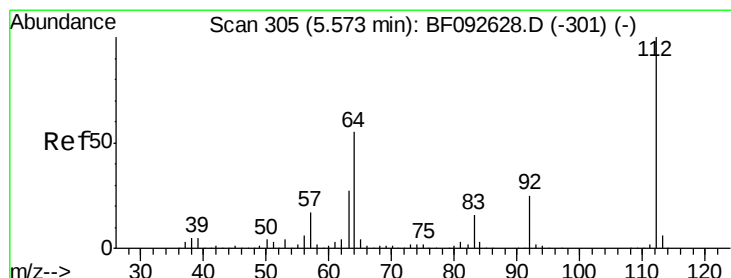
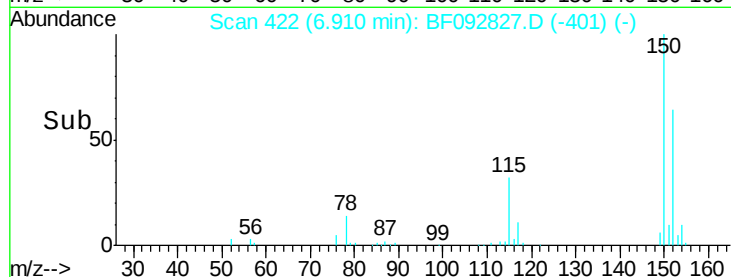
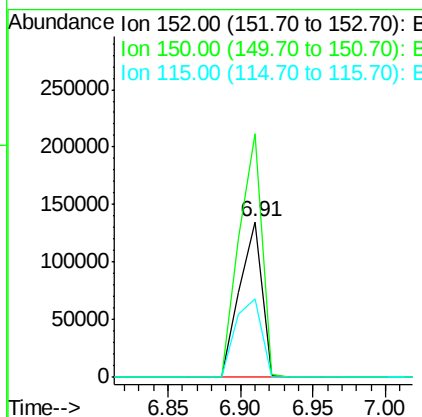
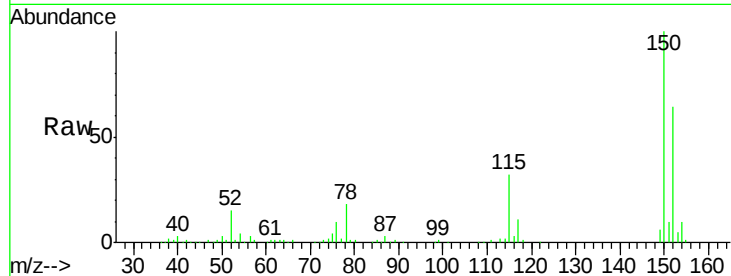
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampled :
S-2BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.9	187.3
115	50.9	46.0	69.0

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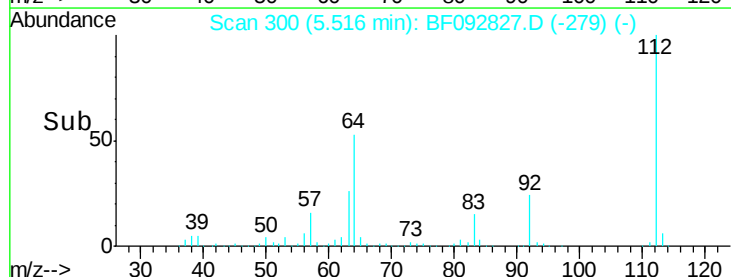
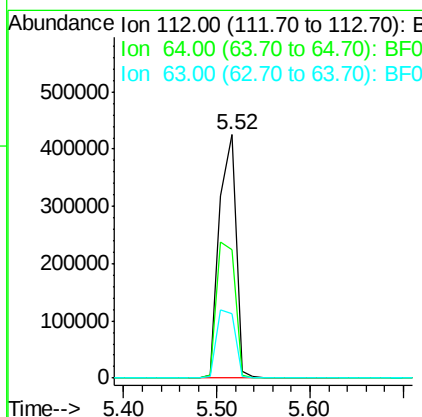
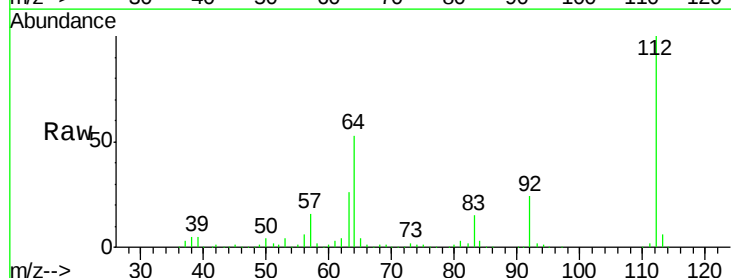
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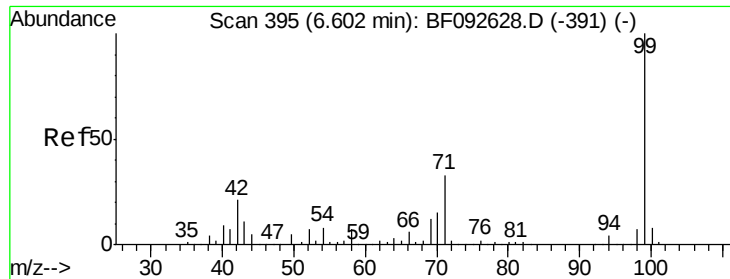


#5

2-Fluorophenol
Concen: 61.92 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.1	69.1
63	26.4	23.8	35.6





#7

Phenol-d6

Concen: 59.63 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.06 min

Lab File: BF092827.D

Acq: 7 Feb 2017 14:21

Instrument :

BNA_F

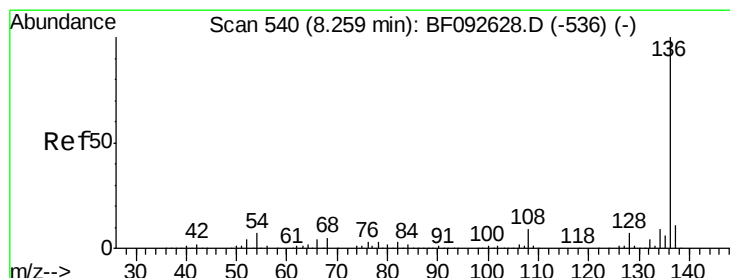
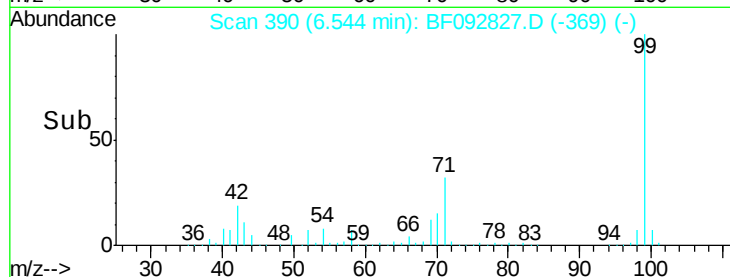
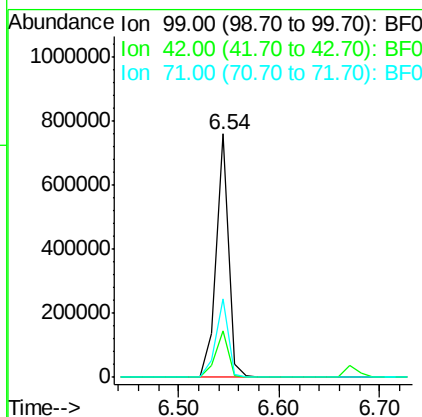
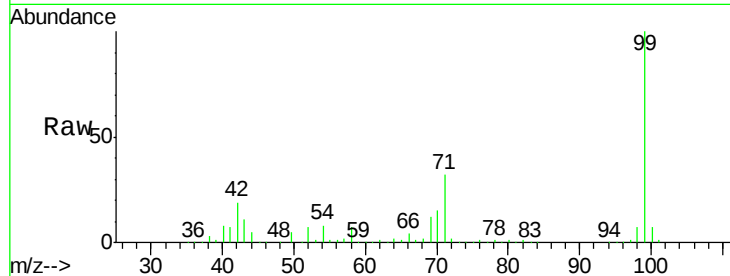
ClientSampleId :

S-2BDL

Tot Ion:	99	Resp:	651174
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.6	23.4
71	32.2	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

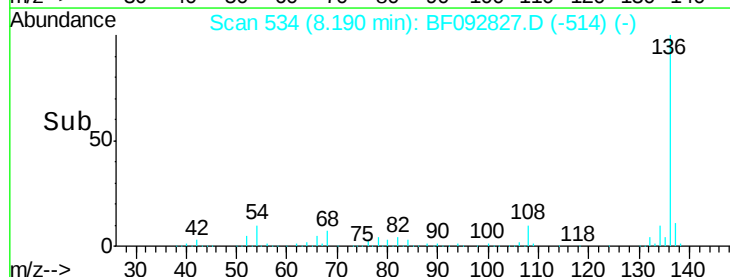
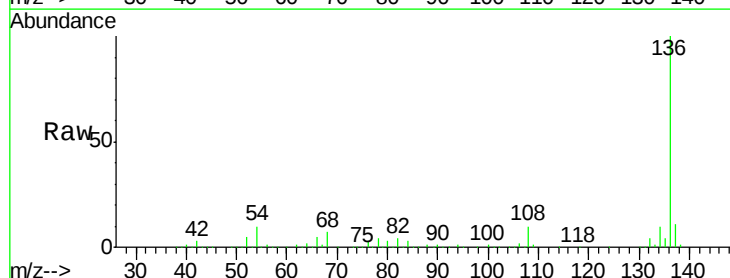
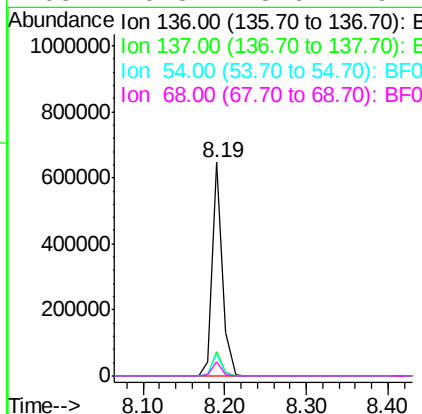
RT: 8.19 min Scan# 534

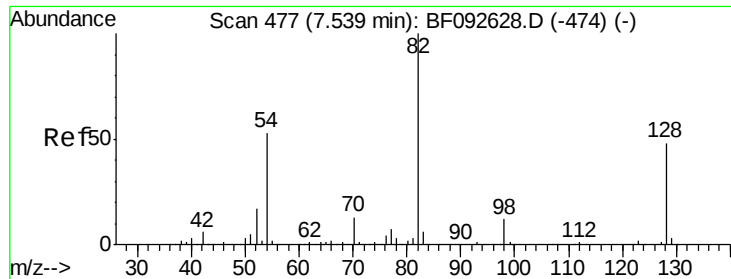
Delta R.T. -0.07 min

Lab File: BF092827.D

Acq: 7 Feb 2017 14:21

Tgt Ion:	136	Resp:	569141
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	10.4	4.5	6.7#
68	6.8	3.6	5.4#





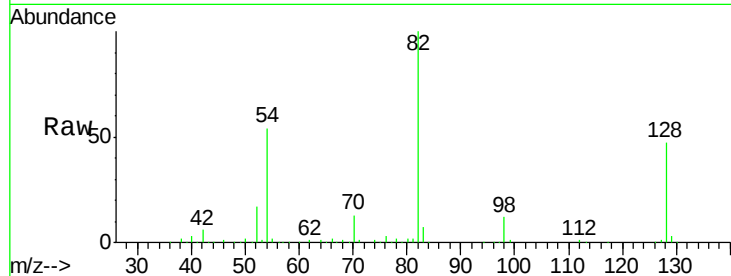
#23
Nitrobenzene-d5
Concen: 38.98 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampleId :
S-2BDL

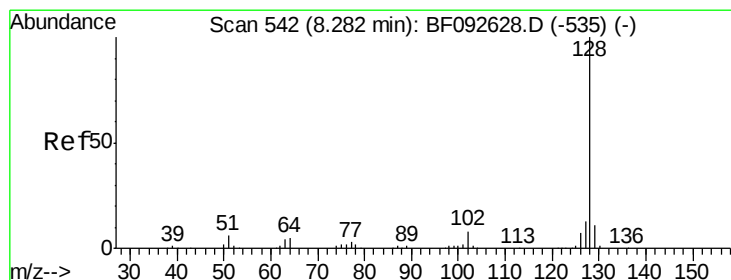
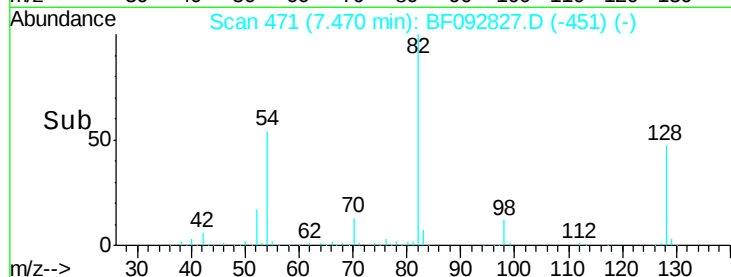
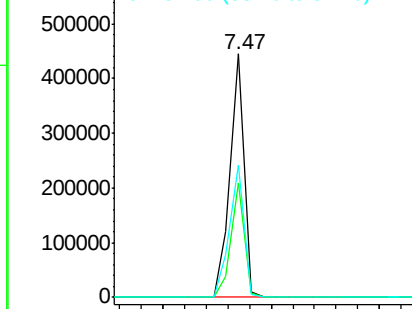
Tot Ion	Ratio	Resp	Lower	Upper
82	100	398342		
128	46.8		34.6	52.0
54	54.2		39.5	59.3

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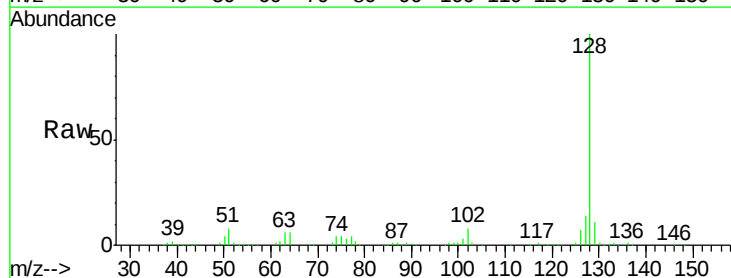


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

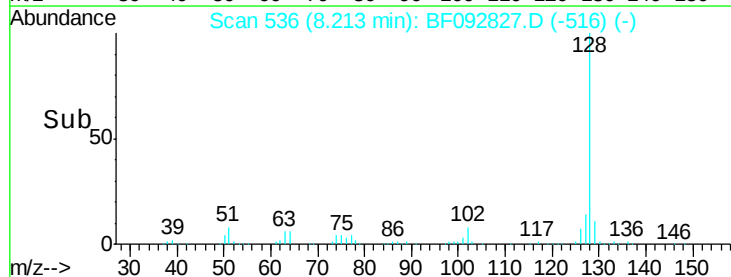
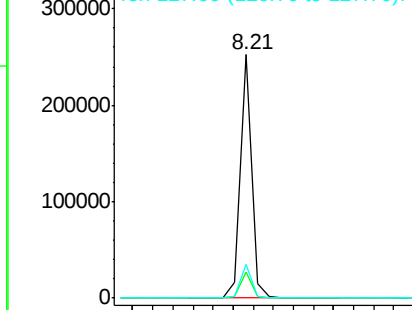


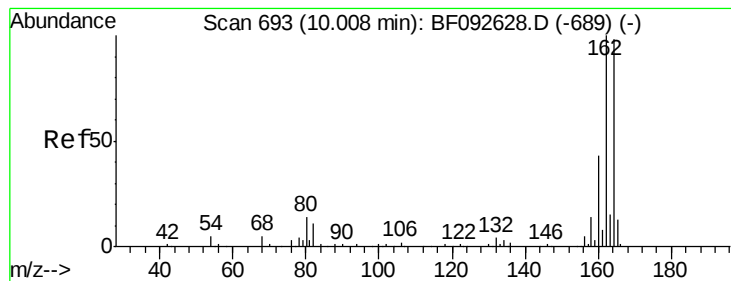
#31
Naphthalene
Concen: 6.84 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	197233		
129	10.8		9.5	14.3
127	13.7		10.8	16.2



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: 9.95 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF092827.D

Acq: 7 Feb 2017 14:21

Instrument :

BNA_F

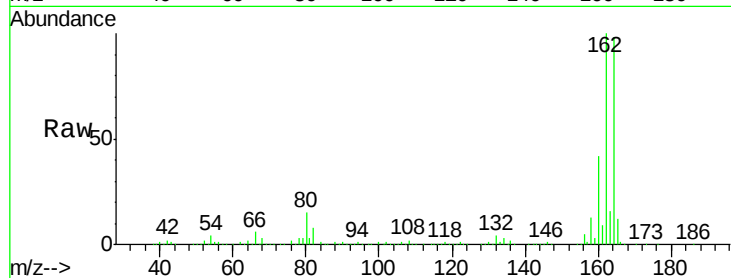
ClientSampleId :

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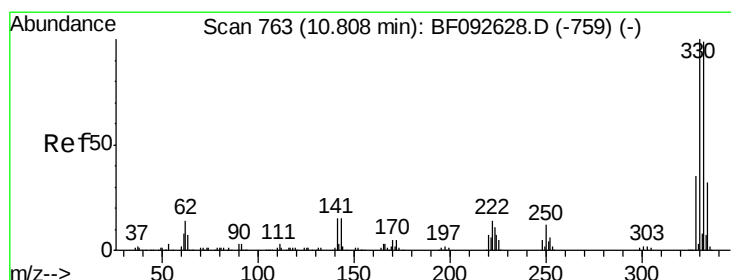
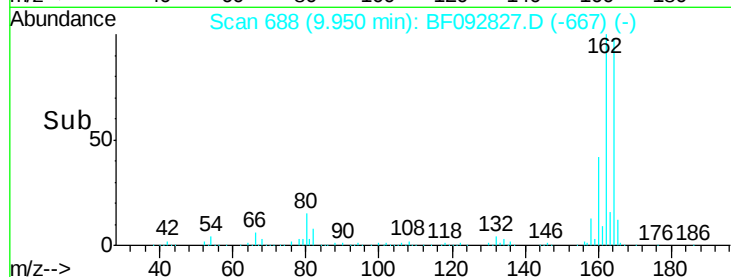
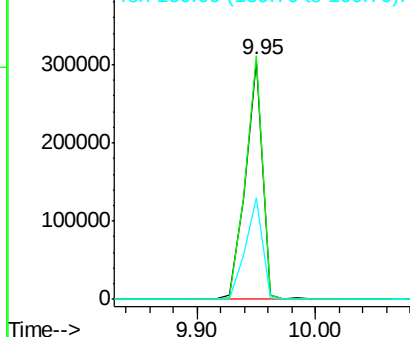
Tot Ion:	164	Resp:	307555
Ion Ratio	Lower	Upper	
164	100		
162	101.9	80.2	120.2
160	42.6	36.9	55.3

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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: 49.22 ng

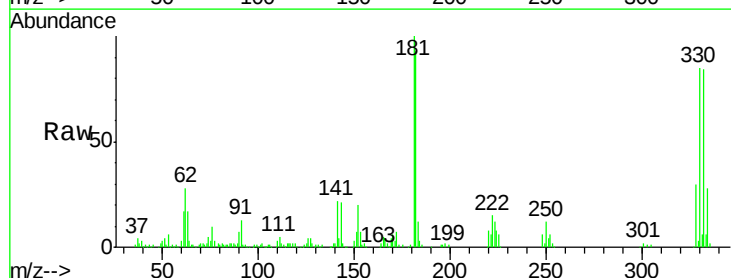
RT: 10.74 min Scan# 757

Delta R.T. -0.07 min

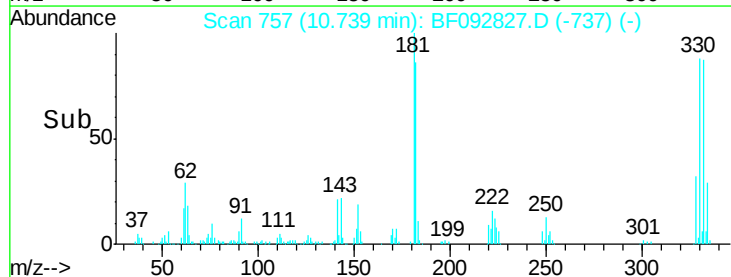
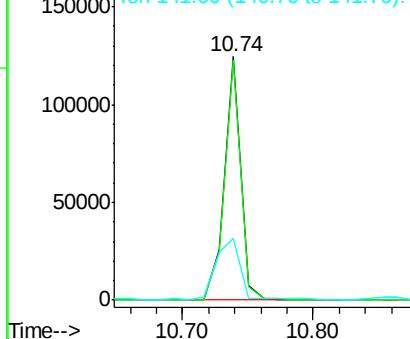
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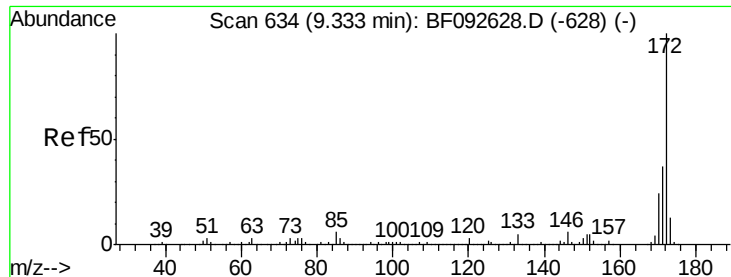
Acq: 7 Feb 2017 14:21

Tgt Ion:	330	Resp:	109485
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.4	116.2
141	36.7	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





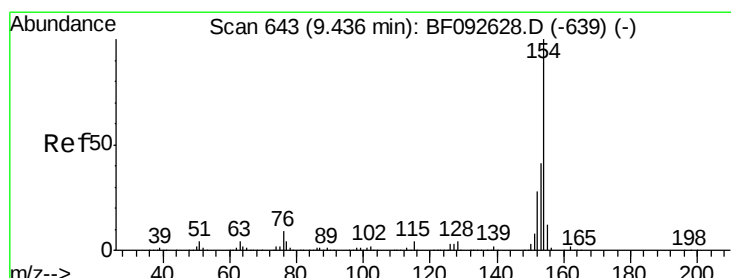
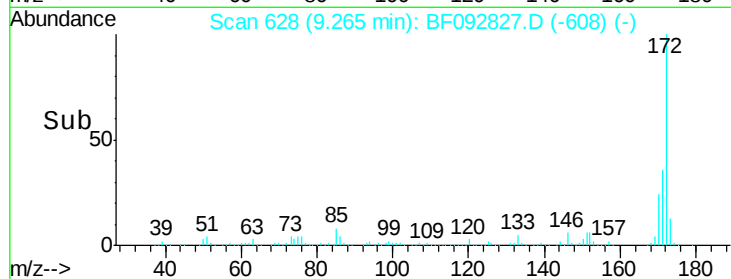
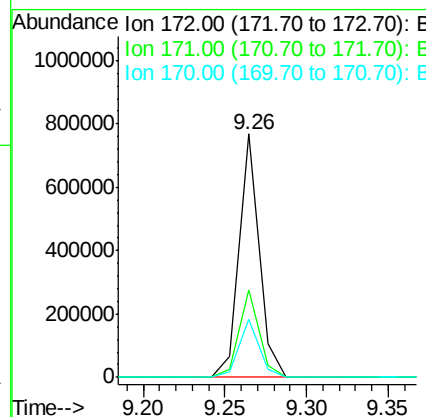
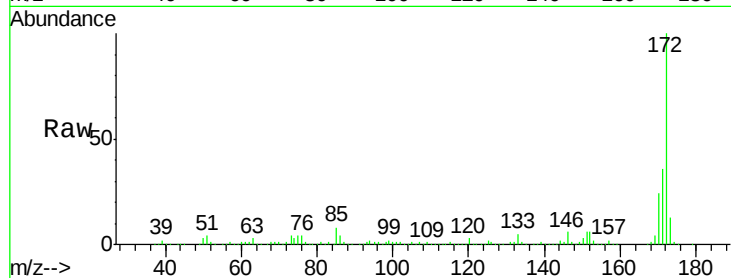
#44
2-Fluorobiphenyl
Concen: 38.42 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampled :
S-2BDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	23.7	20.2	30.4

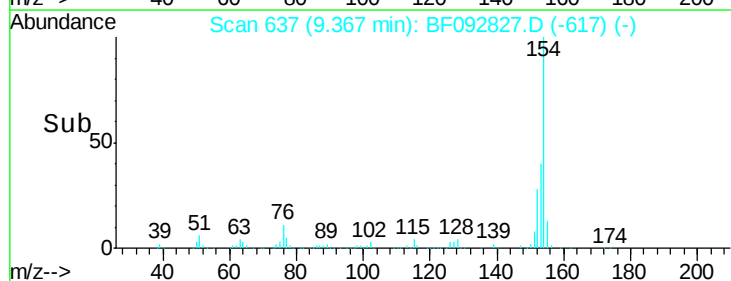
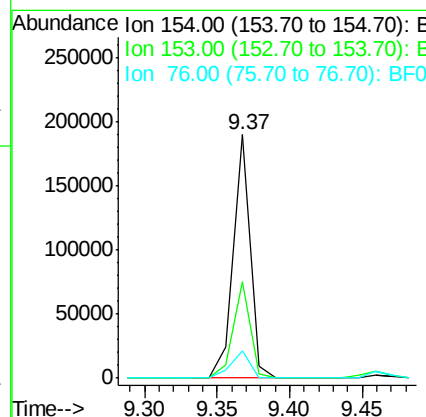
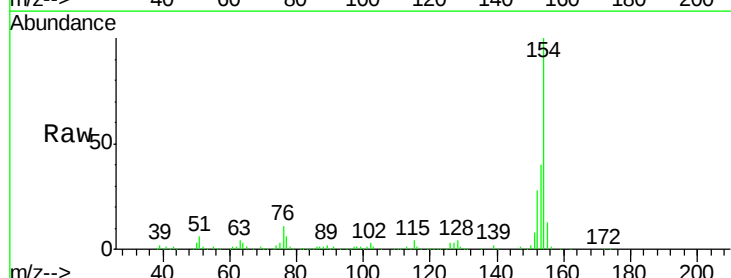
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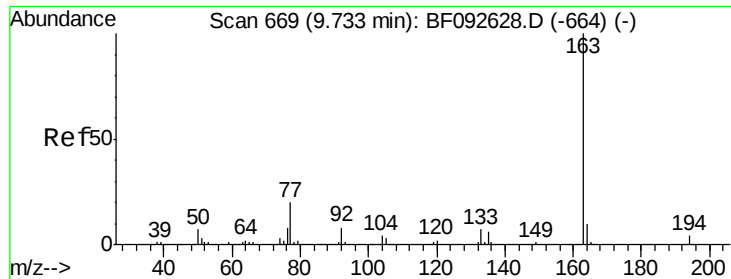
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#45
1,1'-Biphenyl
Concen: 6.93 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.9	60.9
76	11.3	0.0	30.5





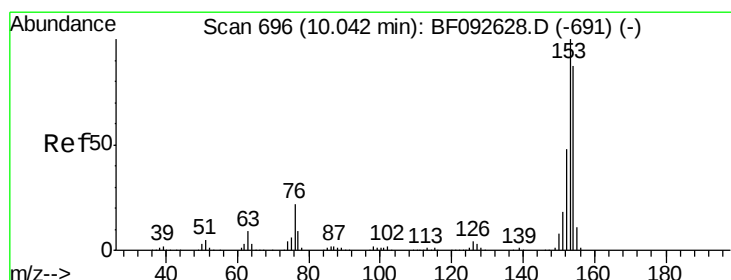
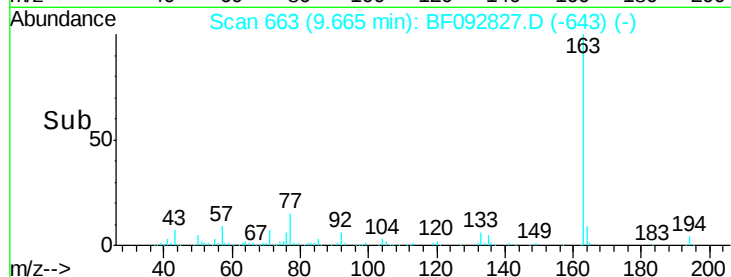
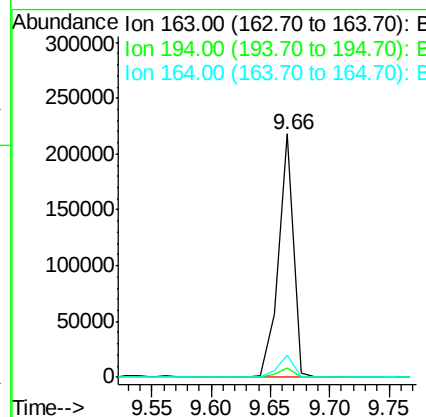
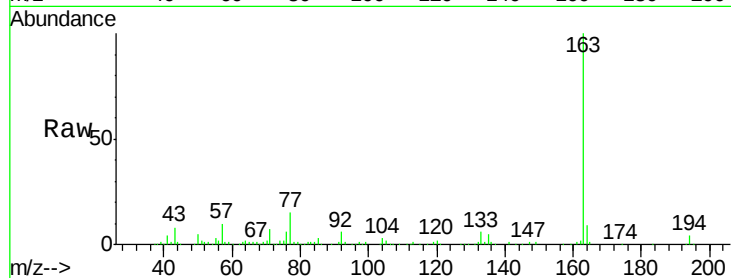
#49
Dimethylphthalate
Concen: 9.40 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampleId :
S-2BDL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	194759		
194	3.9		3.0	4.4
164	9.2		8.0	12.0

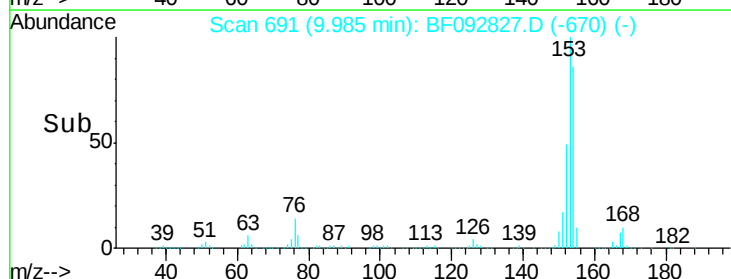
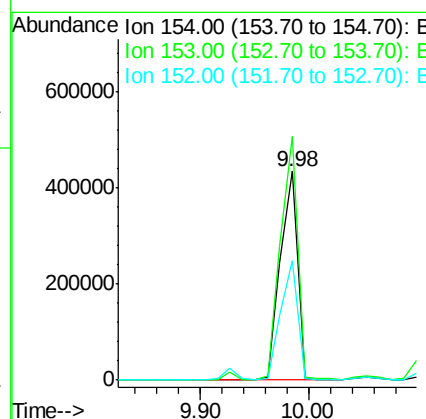
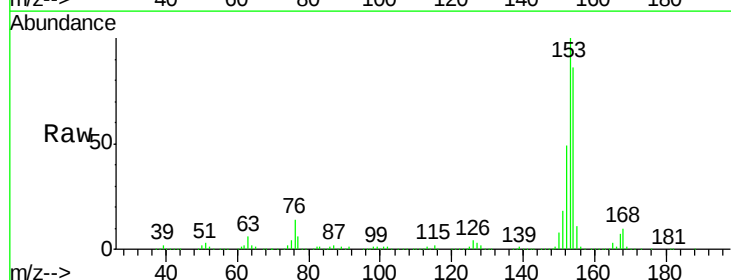
Manual Integrations
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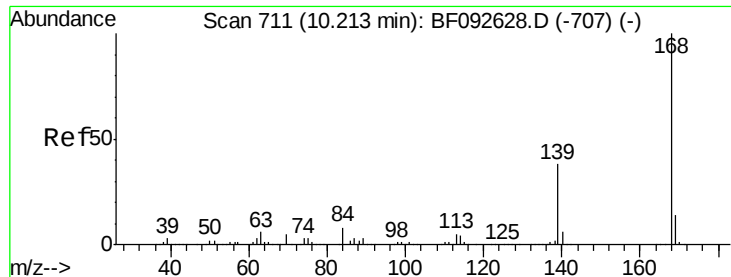
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#51
Acenaphthene
Concen: 26.53 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	477390		
153	116.5		88.6	133.0
152	57.0		41.6	62.4





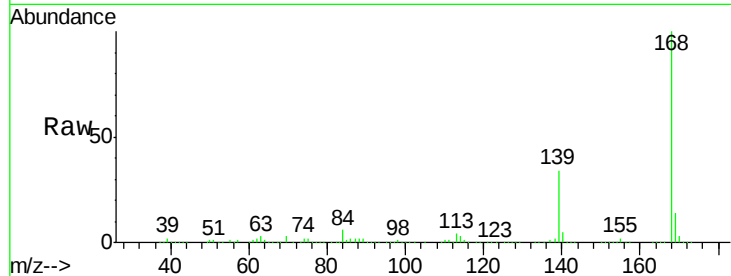
#54
Dibenzenofuran
Concen: 35.04 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampled :
S-2BDL

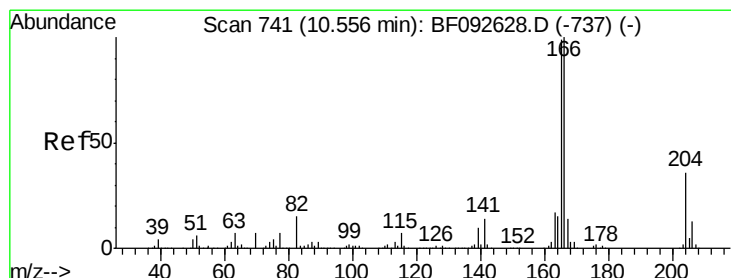
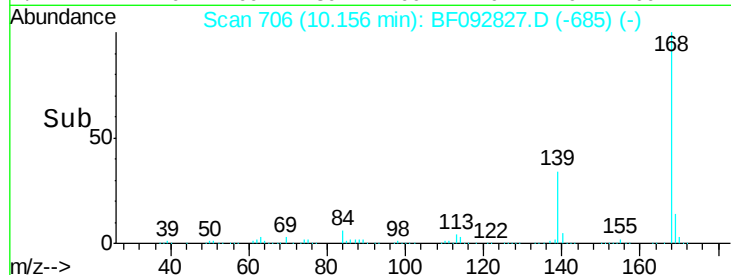
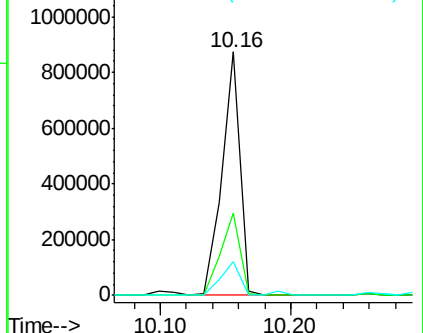
Tot Ion	Ratio	Resp	Lower	Upper
168	100	843252		
139	34.0		32.6	49.0
169	13.7		11.3	16.9

Manual Integrations
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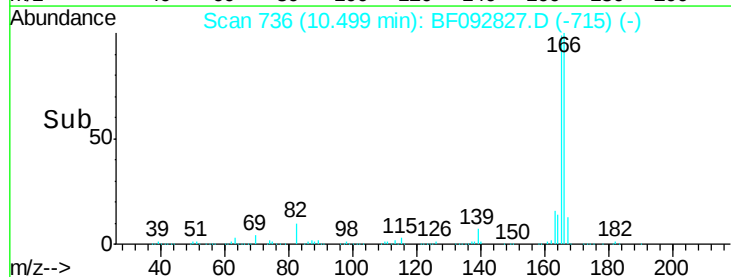
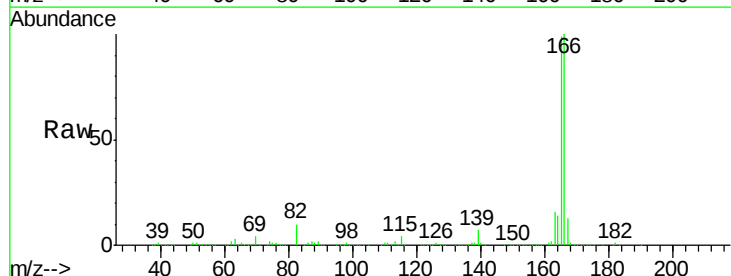
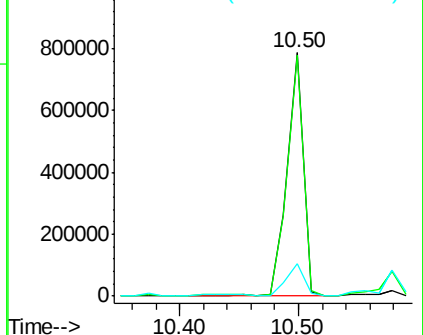
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

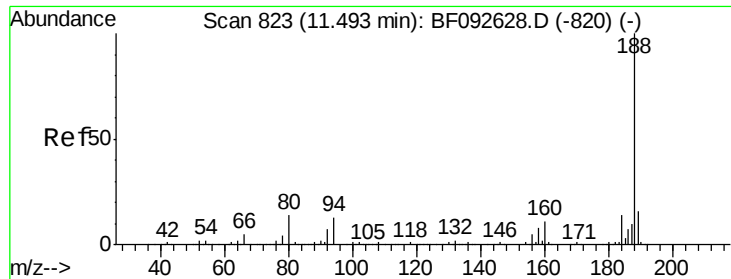


#57
Fluorene
Concen: 39.99 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	740404		
165	98.9		77.8	116.8
167	13.4		10.8	16.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





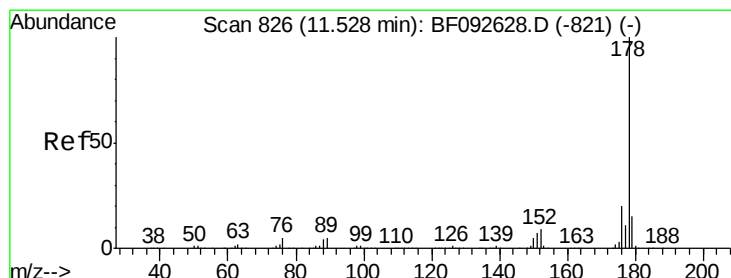
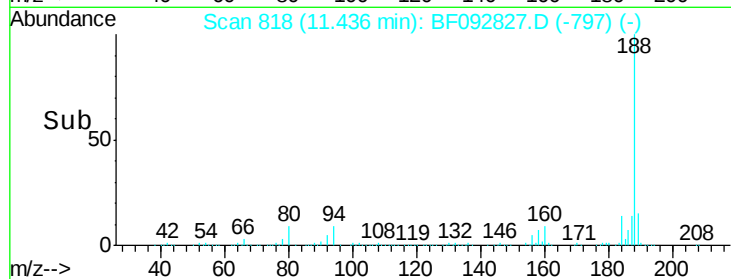
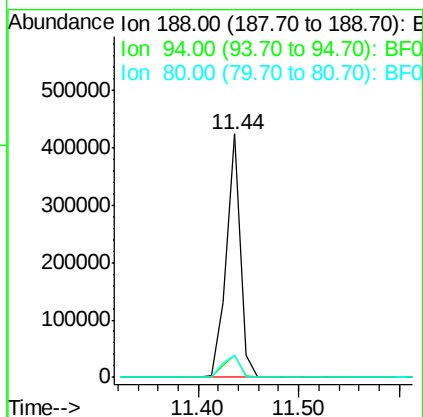
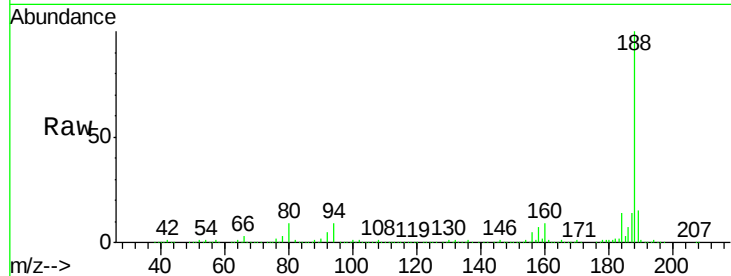
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.06 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampled :
S-2BDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	411195		
94	9.1	10.0	15.0#	
80	9.2	11.2	16.8#	

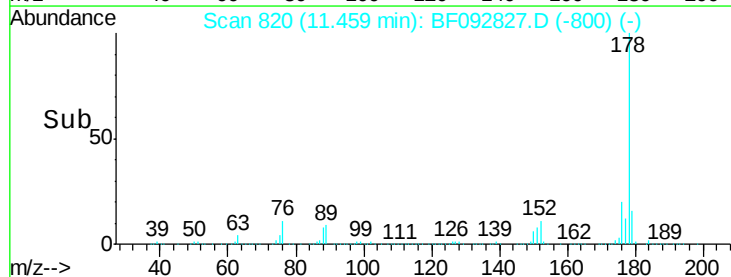
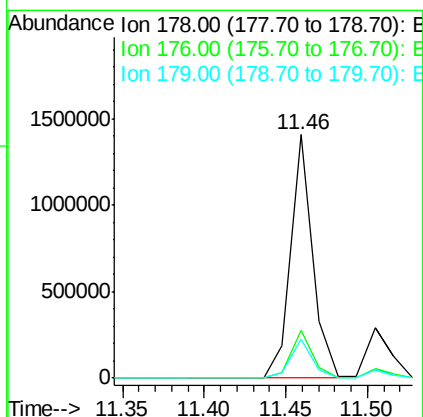
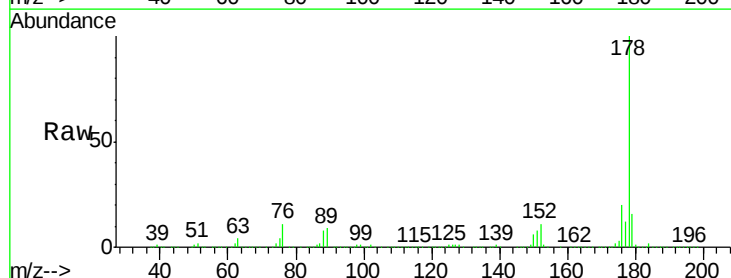
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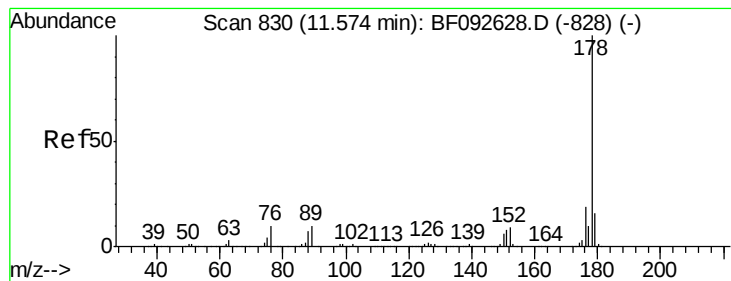
mohammad
2/8/2017 10:42:50 AM



#70
Phenanthrene
Concen: 56.28 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1325950		
176	19.9	16.6	25.0	
179	15.9	12.8	19.2	





#71

Anthracene

Concen: 12.73 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.07 min

Lab File: BF092827.D

Acq: 7 Feb 2017 14:21

Instrument :

BNA_F

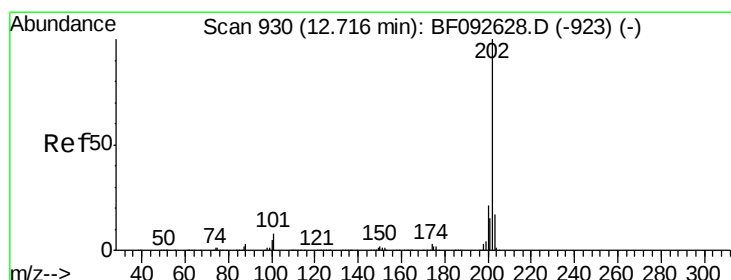
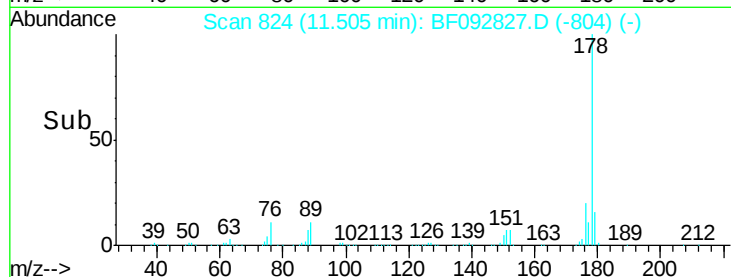
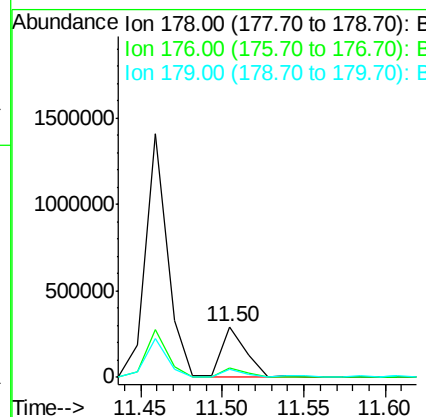
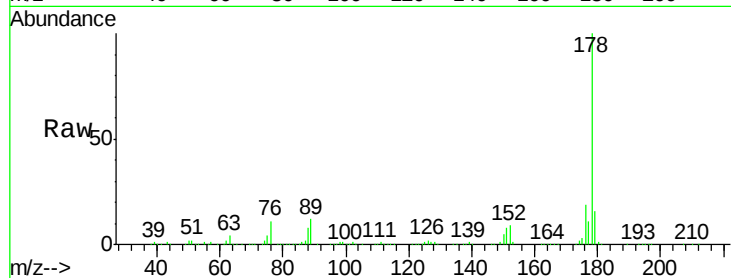
ClientSampled :

S-2BDL

Tot Ion:	178	Resp:	301083
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	15.8	13.2	19.8

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#74

Fluoranthene

Concen: 31.00 ng

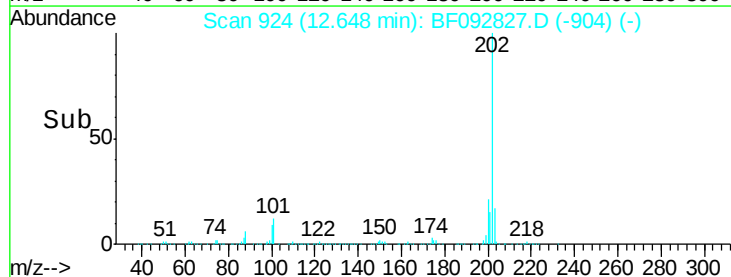
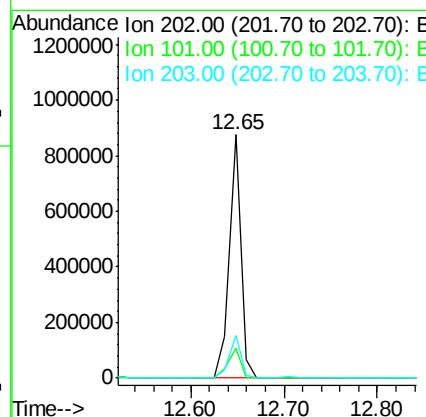
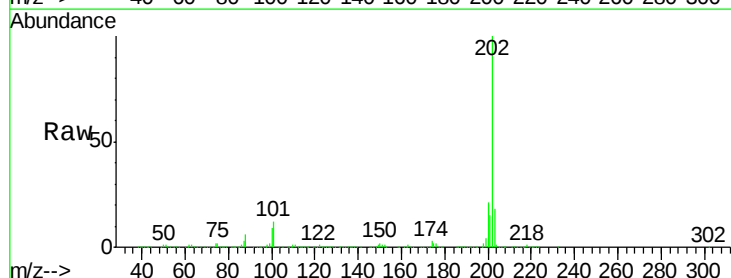
RT: 12.65 min Scan# 924

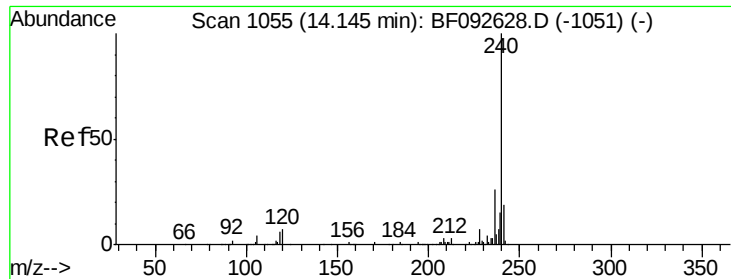
Delta R.T. -0.07 min

Lab File: BF092827.D

Acq: 7 Feb 2017 14:21

Tgt Ion:	202	Resp:	753388
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	34.6
203	17.5	0.0	38.7





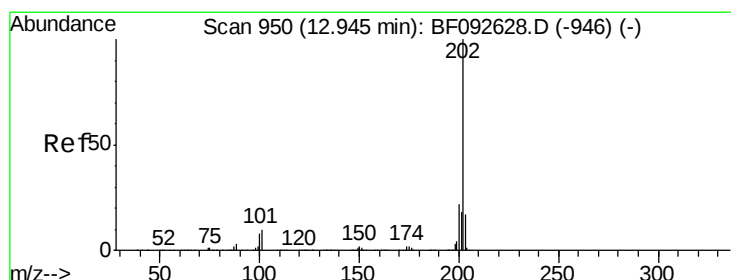
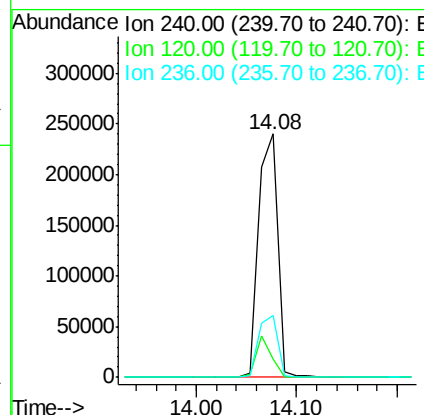
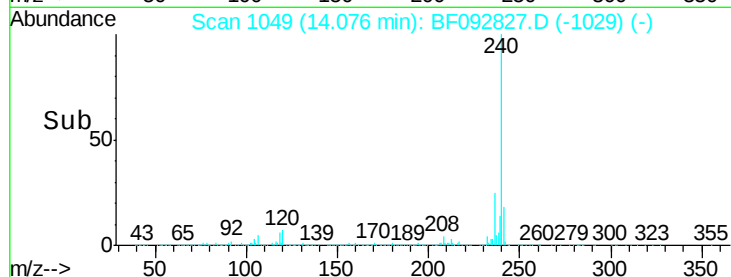
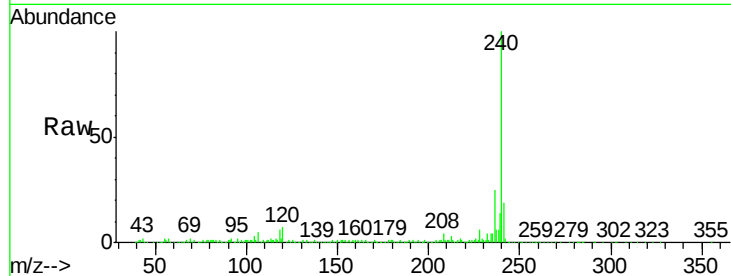
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampleId :
S-2BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	12.9	19.3#
236	25.4	20.9	31.3

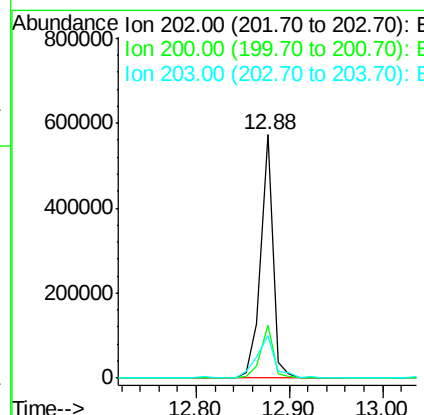
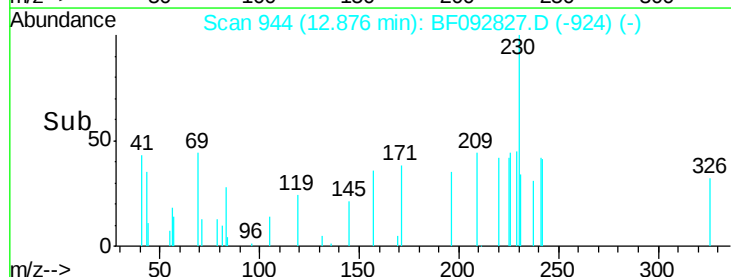
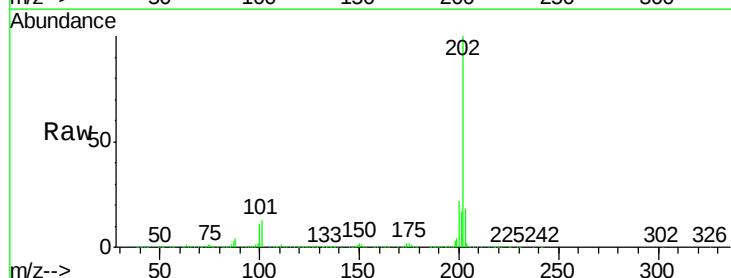
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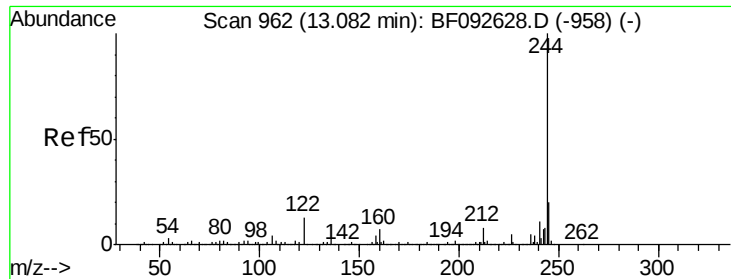
mohammad
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#77
Pyrene
Concen: 21.92 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	17.7	14.7	22.1





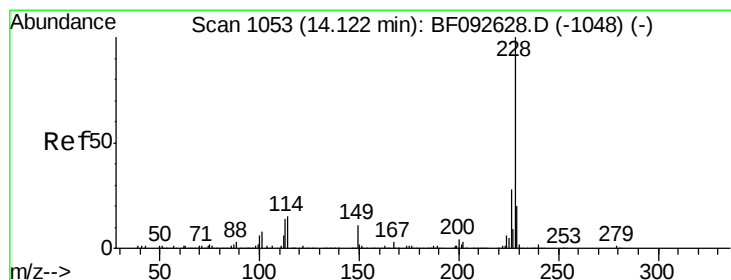
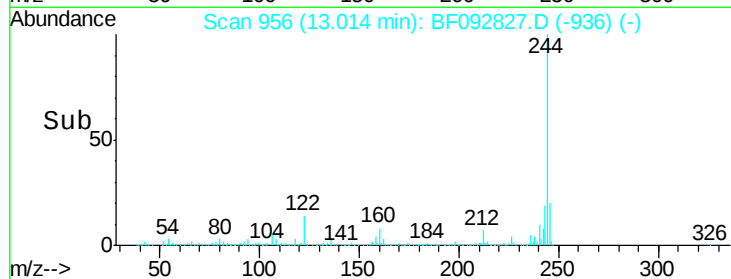
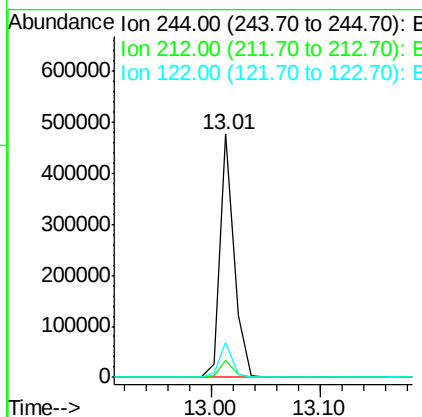
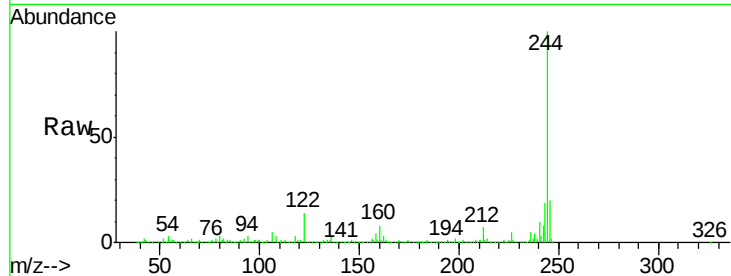
#78
 Terphenyl-d14
 Concen: 31.97 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.07 min
 Lab File: BF092827.D
 Acq: 7 Feb 2017 14:21

Instrument :
 BNA_F
 ClientSampleId :
 S-2BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	14.1	11.4	17.2

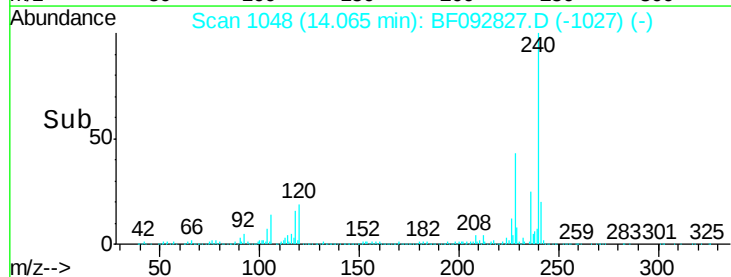
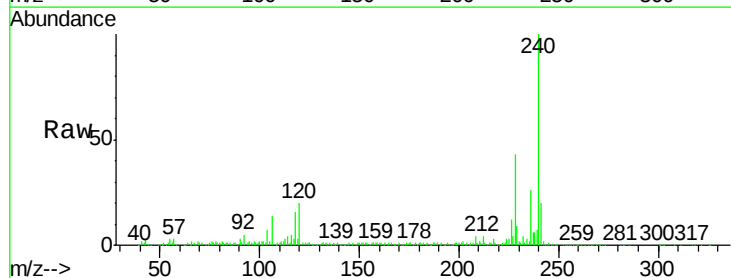
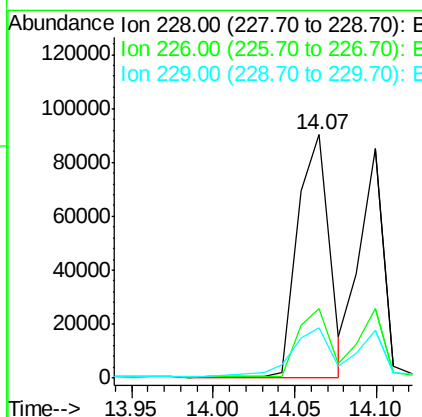
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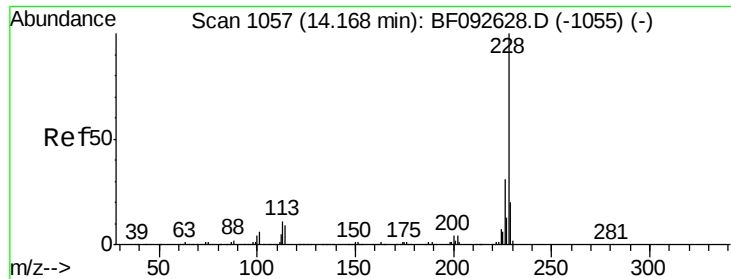
mohammad
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#80
 Benzo(a)anthracene
 Concen: 6.24 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. -0.06 min
 Lab File: BF092827.D
 Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.4	33.6
229	20.6	16.2	24.4





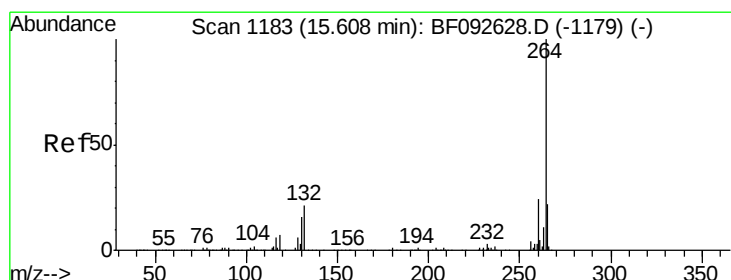
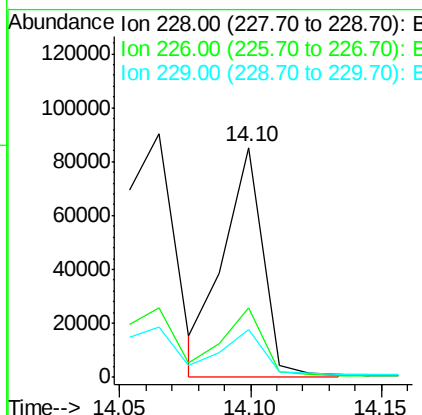
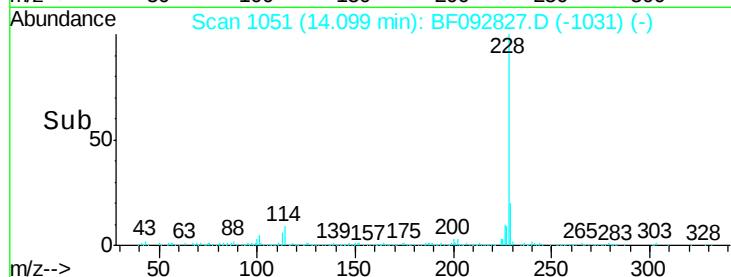
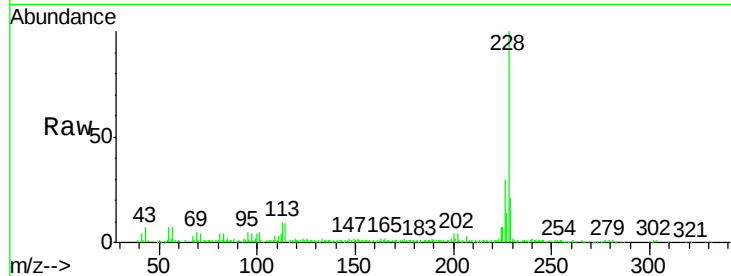
#82
Chrysene
Concen: 4.93 ng/ml
RT: 14.10 min Scan# 1051
Delta R.T. -0.07 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampleId :
S-2BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	20.9	16.2	24.2

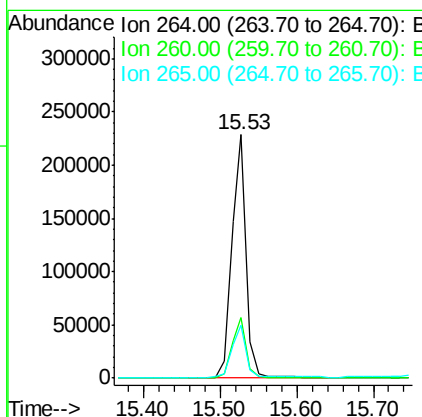
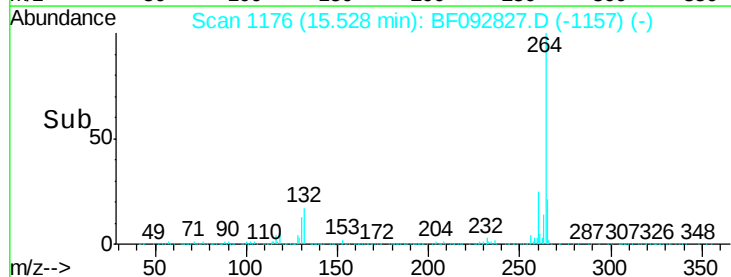
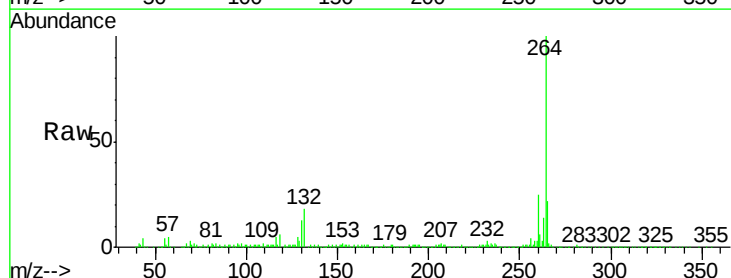
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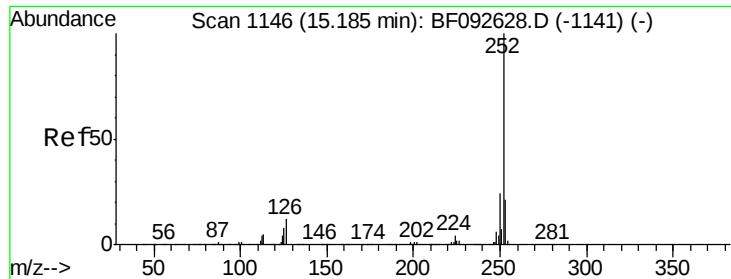
mohammad
2/8/2017 10:42:50 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.7	17.4	26.0





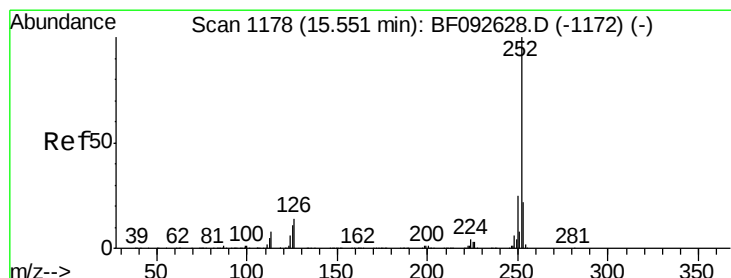
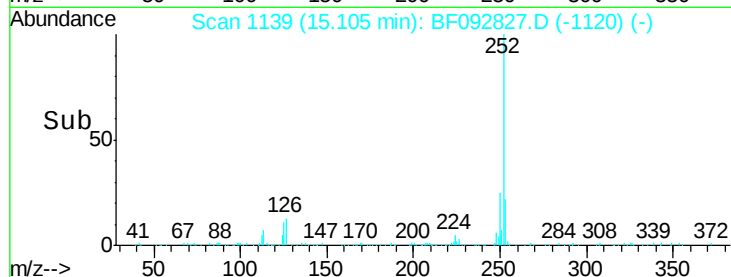
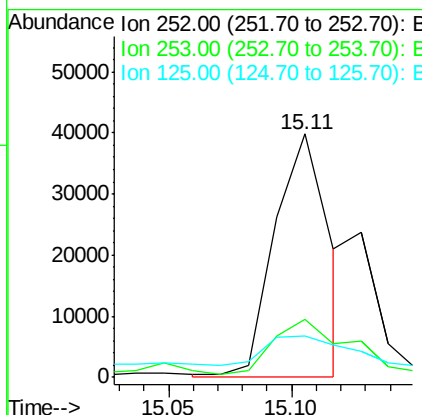
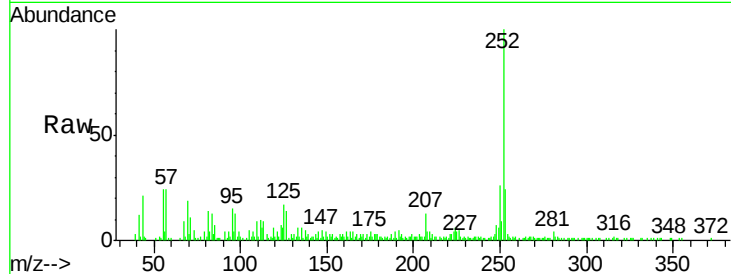
#87
Benzo(b)fluoranthene
Concen: 3.13 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Instrument :
BNA_F
ClientSampled :
S-2BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	16.9	9.8	14.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.39 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092827.D
Acq: 7 Feb 2017 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	18.4	10.0	15.0

