

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092813.D
 Acq On : 6 Feb 2017 23:16
 Operator : SJ/MA
 Sample : I1707-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Manual Integrations
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 2/7/2017 3:14:38 PM

Quant Time: Feb 07 01:56:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	159264	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	637785	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	343402	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	519474	20.00	ng	0.00
75) Chrysene-d12	14.08	240	366073	20.00	ng	-0.01
86) Perylene-d12	15.53	264	323681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1003537	108.10	ng	0.01
7) Phenol-d6	6.56	99	1285541	107.63	ng	0.00
23) Nitrobenzene-d5	7.48	82	843813	73.68	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	245400	98.80	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1373216	72.45	ng	0.00
78) Terphenyl-d14	13.02	244	942134	60.47	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.21	128	387122	11.97	ng	99
45) 1,1'-Biphenyl	9.37	154	307124	12.35	ng	95
49) Dimethylphthalate	9.66	163	394334	17.05	ng	99
51) Acenaphthene	9.98	154	955298	47.55	ng	96
54) Dibenzofuran	10.17	168	1782232	66.32	ng	92
57) Fluorene	10.51	166	1515202	73.29	ng	97
70) Phenanthrene	11.47	178	3258482	109.49	ng	99
71) Anthracene	11.52	178	685749	22.94	ng	98
74) Fluoranthene	12.66	202	1645958	53.62	ng	98
77) Pyrene	12.89	202	1269230	46.33	ng	98
80) Benzo(a)anthracene	14.06	228	285644	12.76	ng	99
82) Chrysene	14.10	228	183361	8.75	ng	98
87) Benzo(b)fluoranthene	15.11	252	118762m	5.57	ng	
88) Benzo(k)fluoranthene	15.12	252	59331m	3.23	ng	
89) Benzo(a)pyrene	15.47	252	86903	4.72	ng	97

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

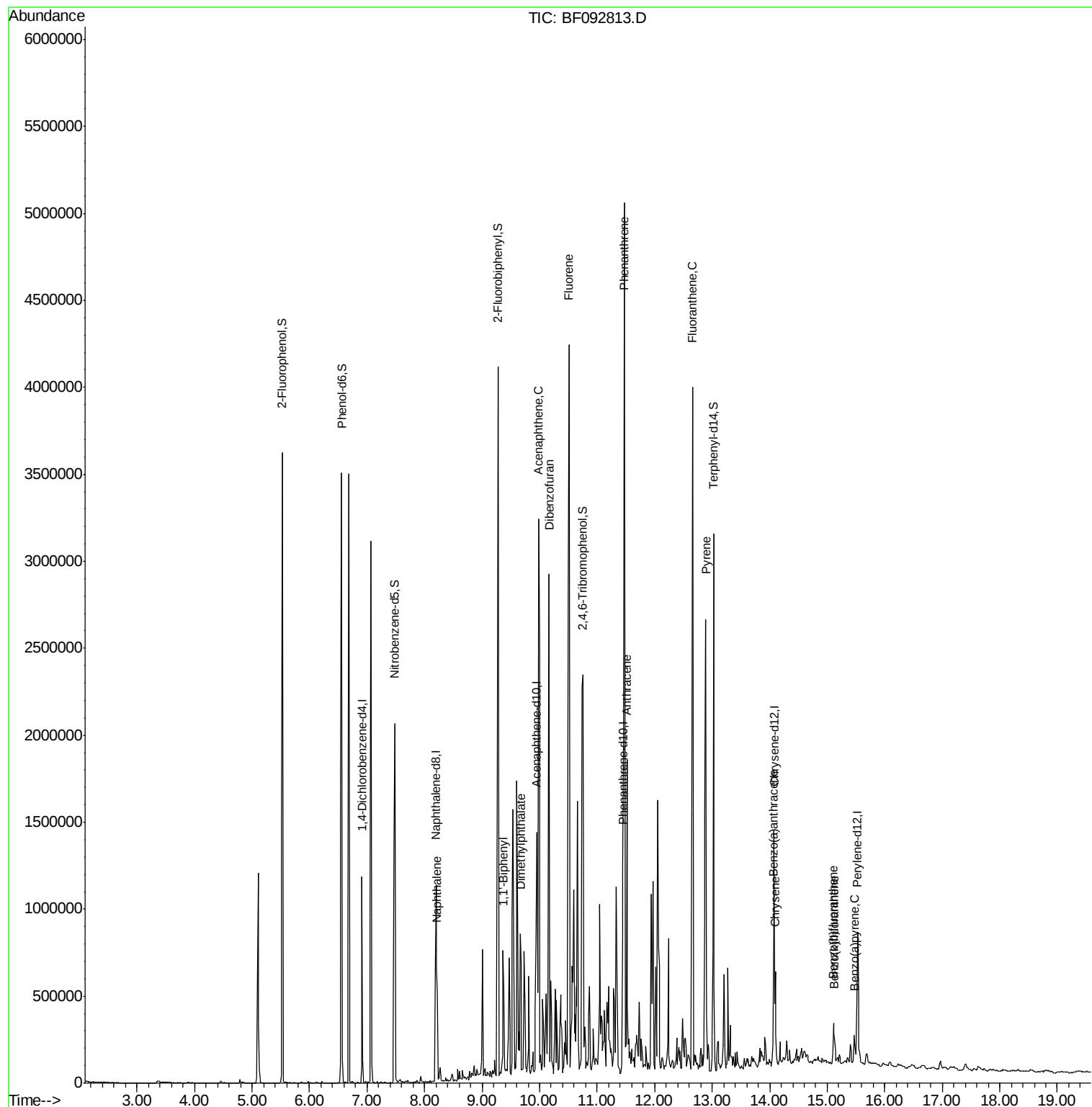
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092813.D
Acq On : 6 Feb 2017 23:16
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Sample : I1707-02
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ALS Vial : 17 Sample Multiplier: 1

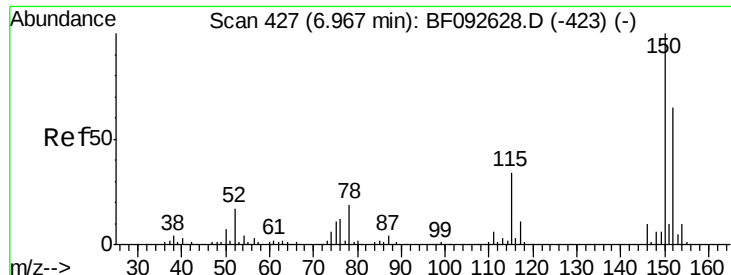
Instrument :
BNA_F
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S-2B

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#1

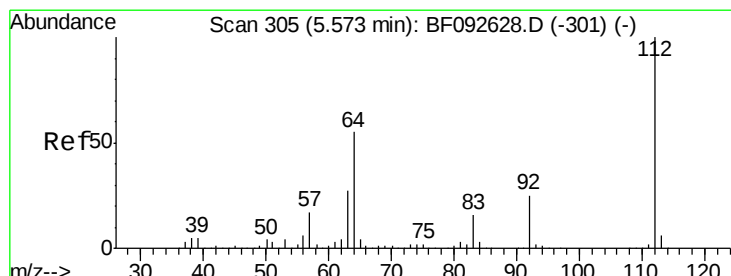
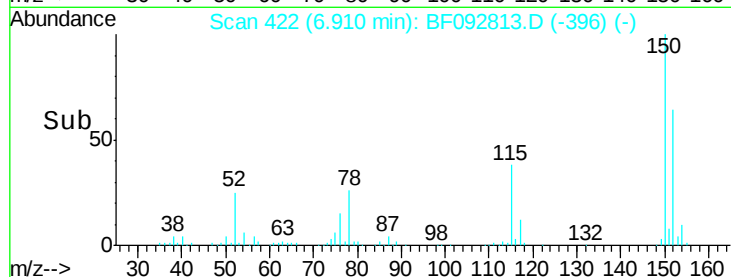
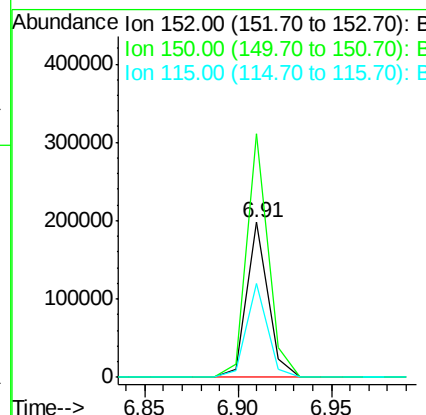
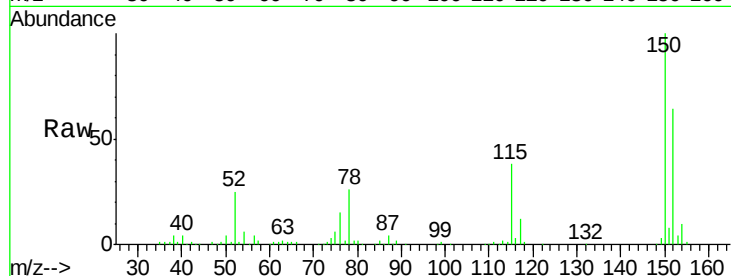
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	60.4	46.0	69.0

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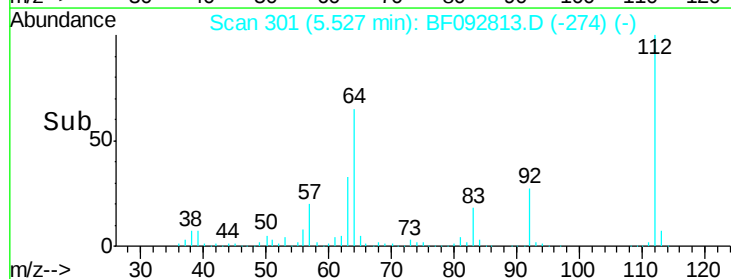
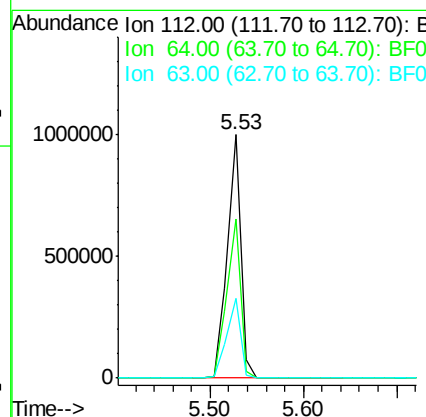
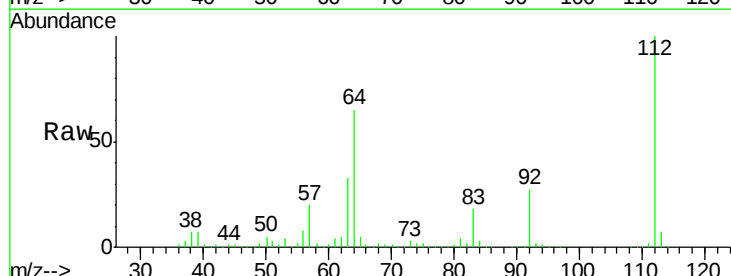
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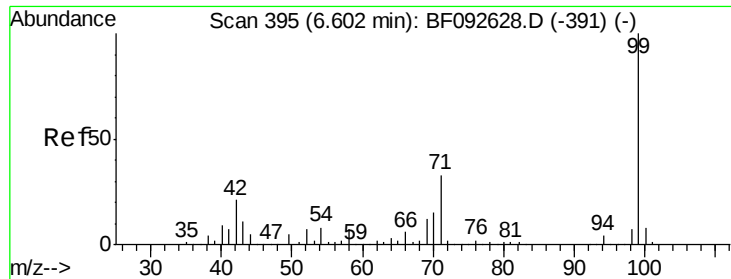


#5

2-Fluorophenol
Concen: 108.10 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	46.1	69.1
63	32.9	23.8	35.6





#7

Phenol-d6

Concen: 107.63 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampled :

S-2B

Tot Ion: 99 Resp: 1285541

Ion Ratio Lower Upper

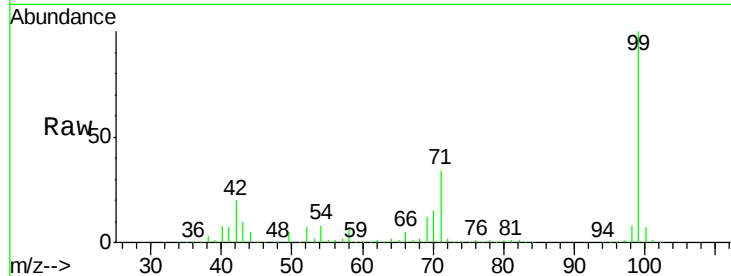
99 100

42 20.2 15.6 23.4

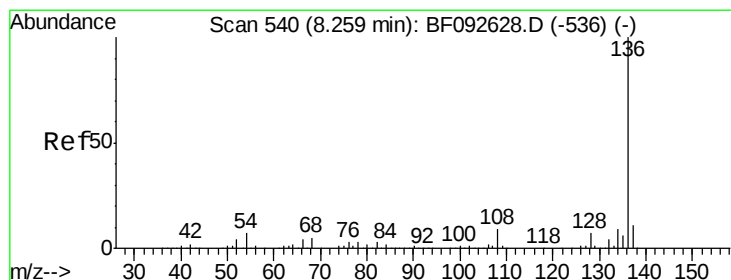
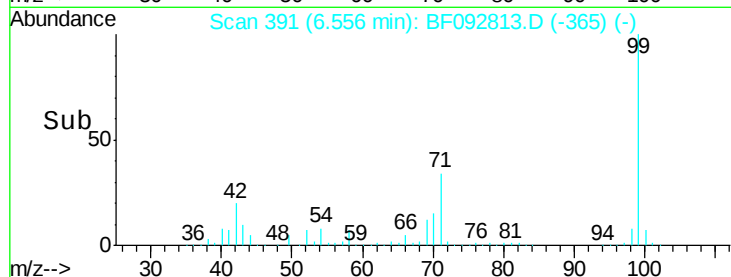
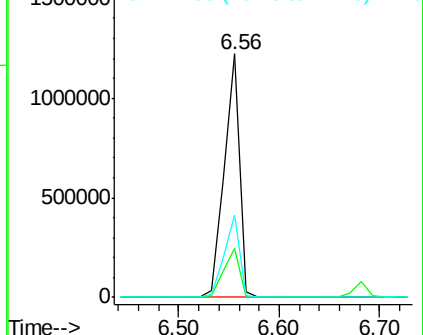
71 33.6 27.5 41.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.00 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Tgt Ion: 136 Resp: 637785

Ion Ratio Lower Upper

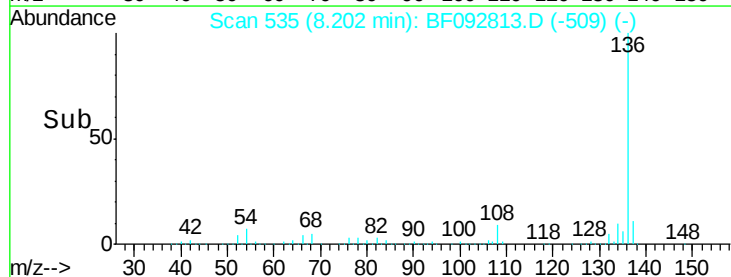
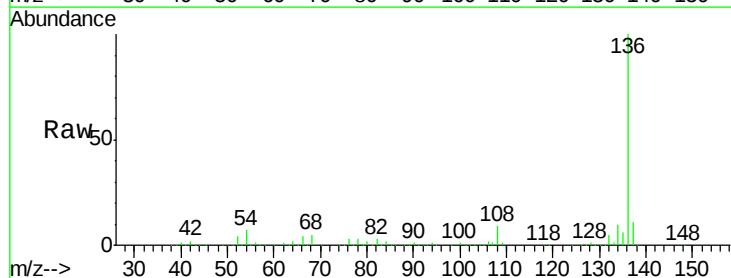
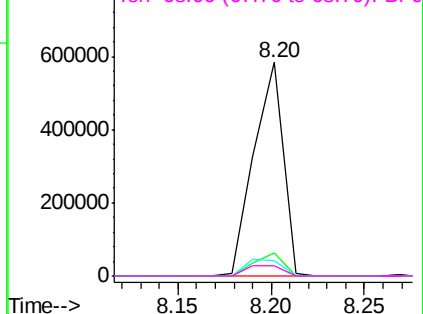
136 100

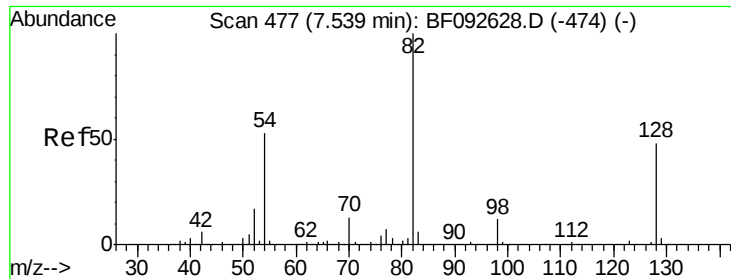
137 10.6 8.4 12.6

54 7.3 4.5 6.7#

68 4.8 3.6 5.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





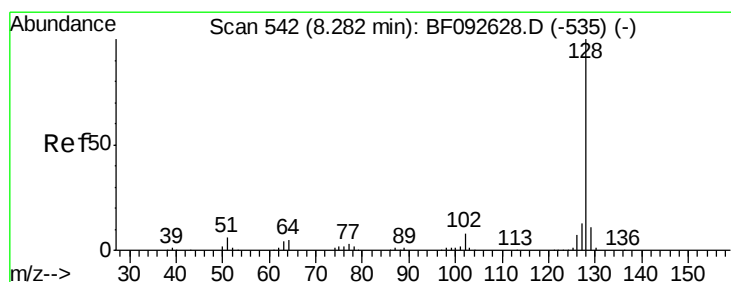
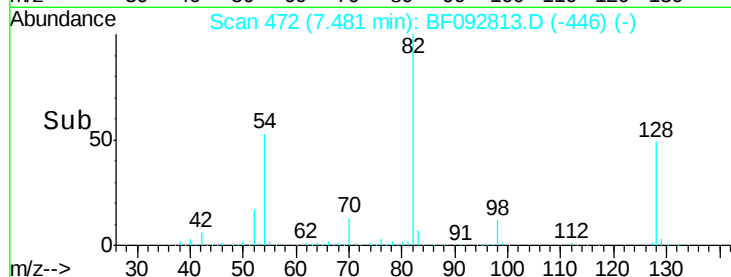
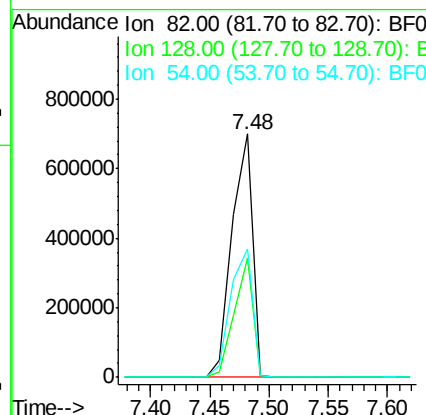
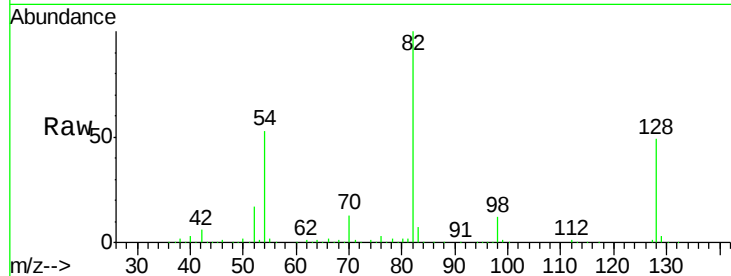
#23
Nitrobenzene-d5
Concen: 73.68 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.6	52.0
54	52.9	39.5	59.3

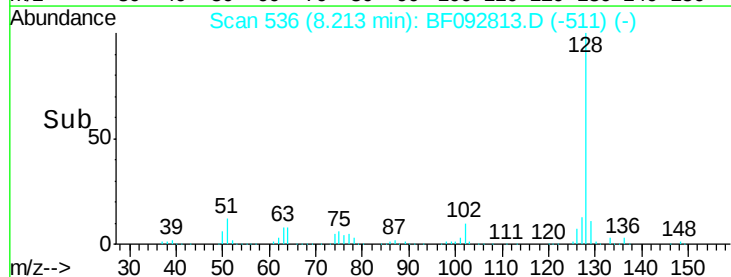
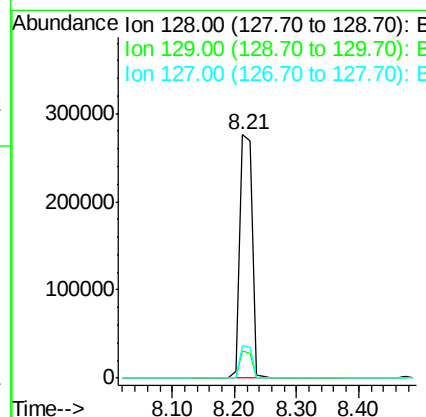
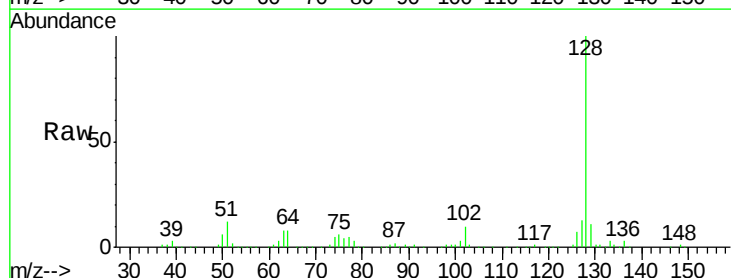
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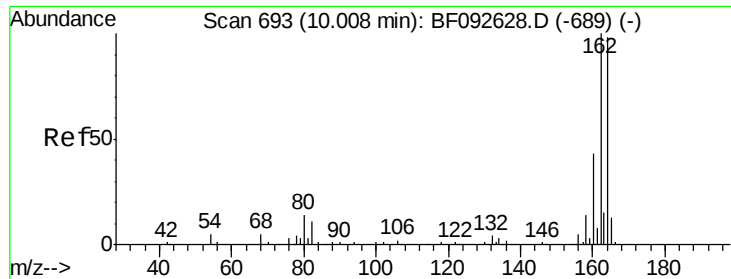
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#31
Naphthalene
Concen: 11.97 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	13.2	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

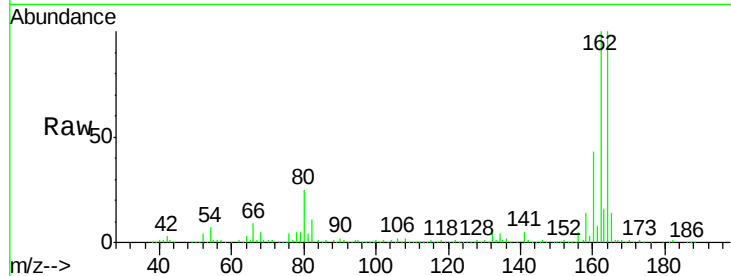
ClientSampleId :

S-2B

Tot Ion:	164	Resp:	343402
Ion Ratio	Lower	Upper	
164	100		
162	100.3	80.2	120.2
160	43.6	36.9	55.3

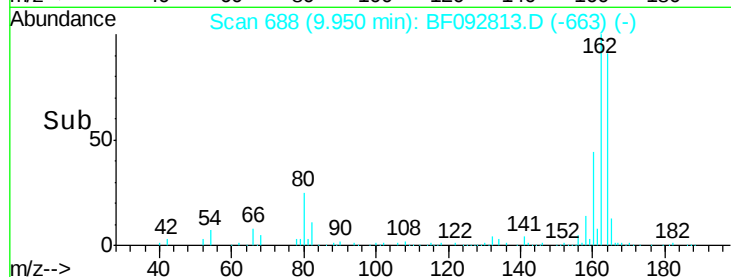
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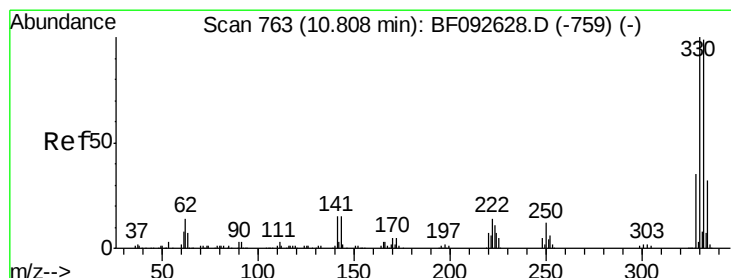


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.95



Time-->



#41

2,4,6-Tribromophenol

Concen: 98.80 ng

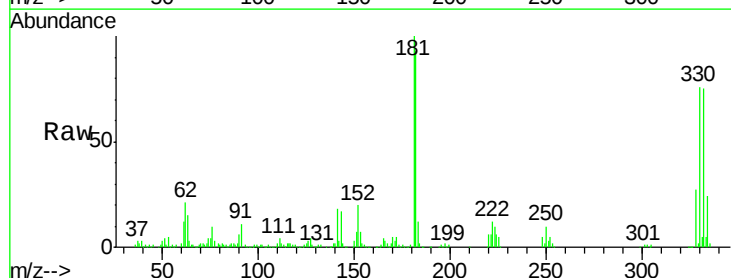
RT: 10.75 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF092813.D

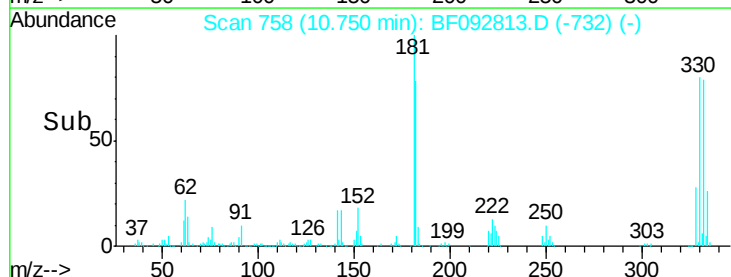
Acq: 6 Feb 2017 23:16

Tgt Ion:	330	Resp:	245400
Ion Ratio	Lower	Upper	
330	100		
332	97.4	77.4	116.2
141	36.3	34.1	51.1

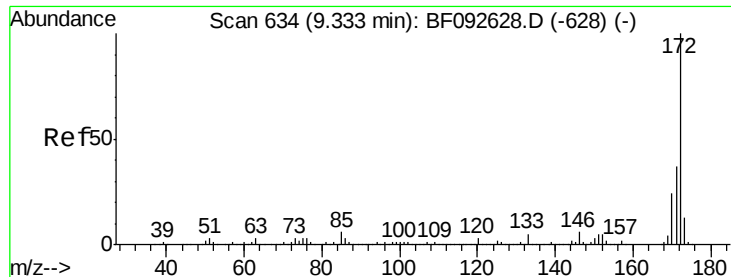


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

10.75



Time-->



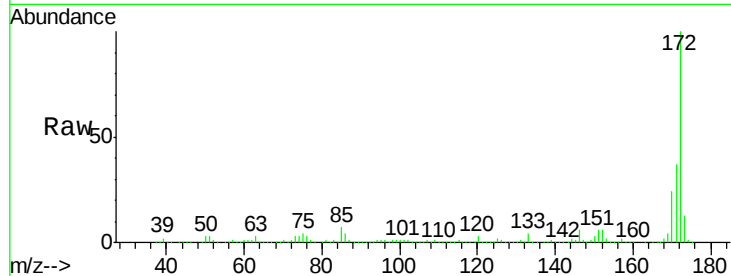
#44
2-Fluorobiphenyl
Concen: 72.45 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

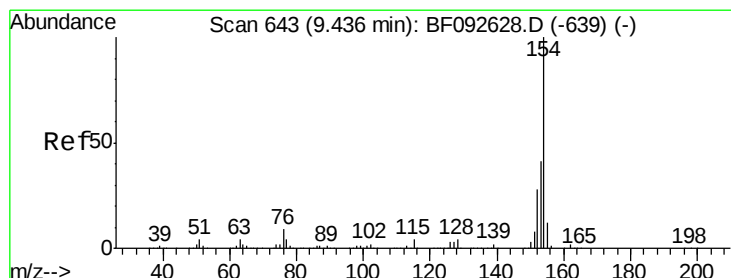
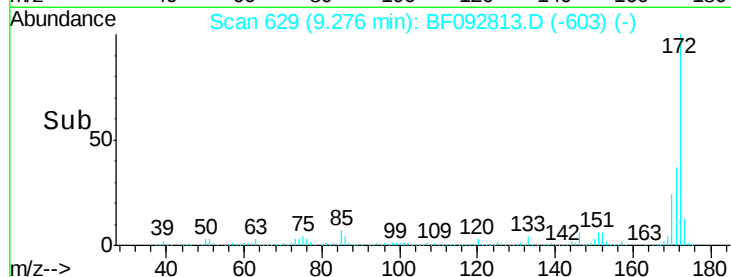
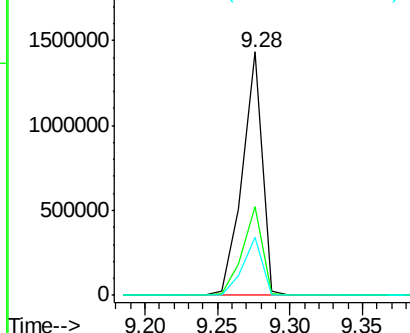
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.0	20.2	30.4

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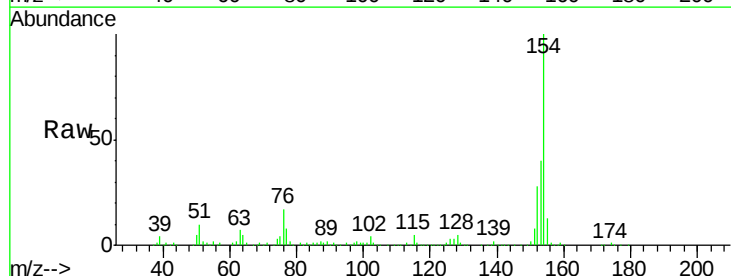


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

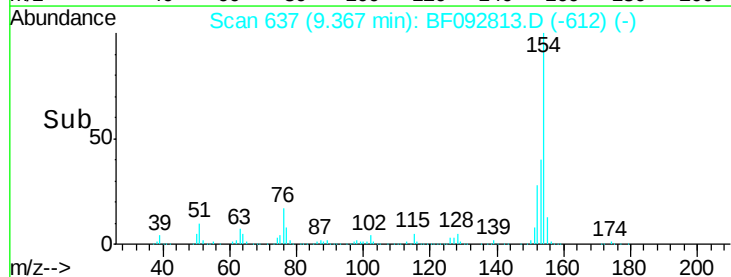
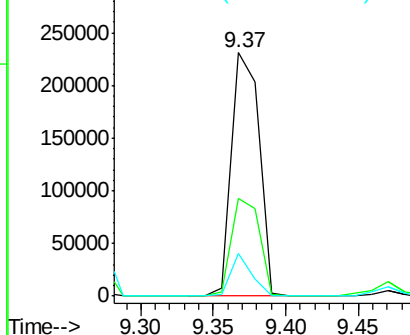


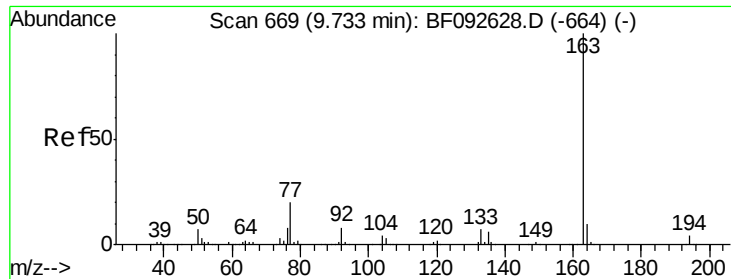
#45
1,1'-Biphenyl
Concen: 12.35 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.9	60.9
76	17.4	0.0	30.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





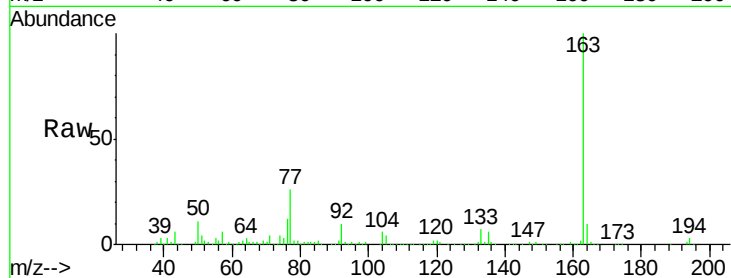
#49
Dimethylphthalate
Concen: 17.05 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
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S-2B

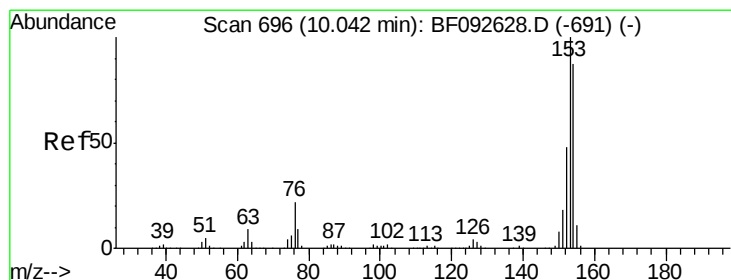
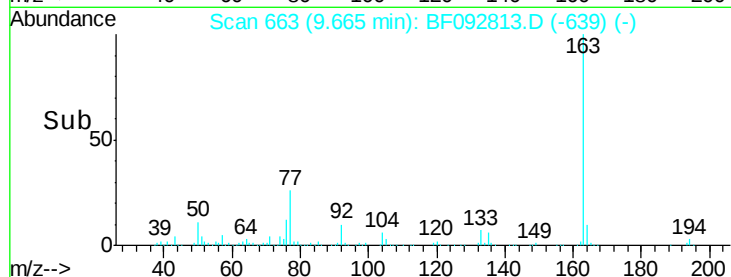
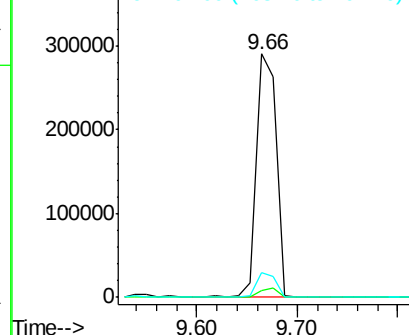
Tot Ion	Ratio	Resp	Lower	Upper
163	100	394334		
194	3.1		3.0	4.4
164	10.3		8.0	12.0

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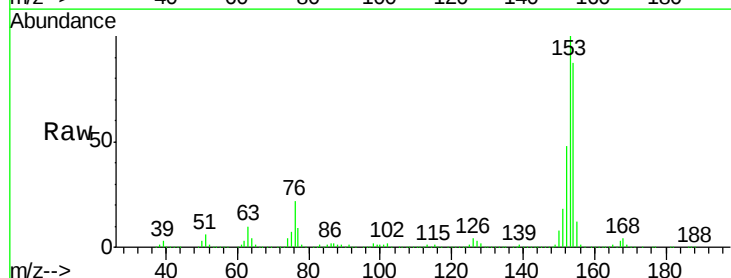


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

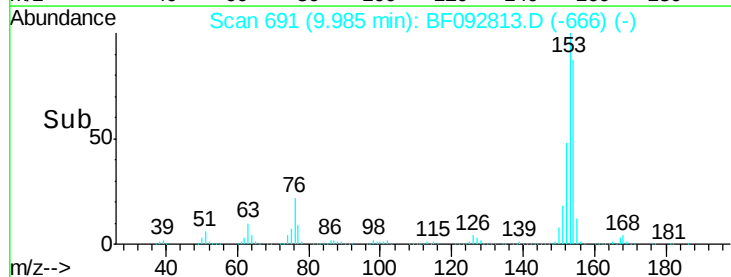
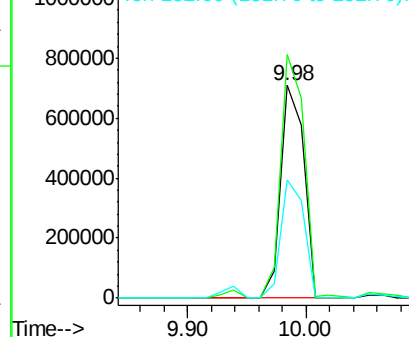


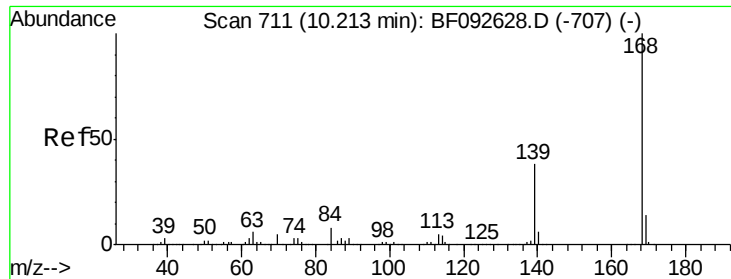
#51
Acenaphthene
Concen: 47.55 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	955298		
153	114.6		88.6	133.0
152	55.5		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: 66.32 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

ClientSampleId :

S-2B

Tot Ion:168 Resp: 1782232

Ion Ratio Lower Upper

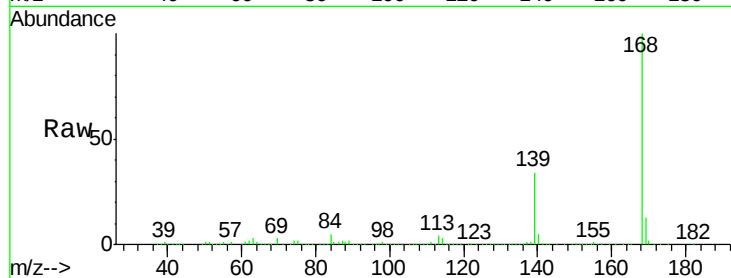
168 100

139 34.0 32.6 49.0

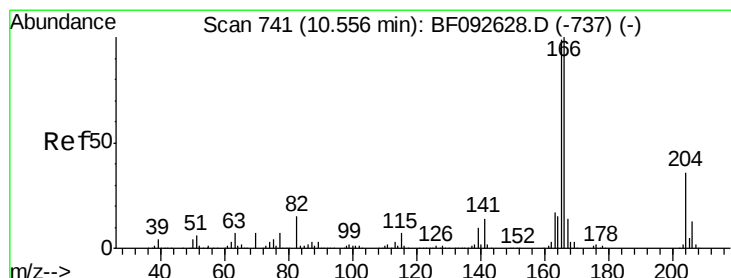
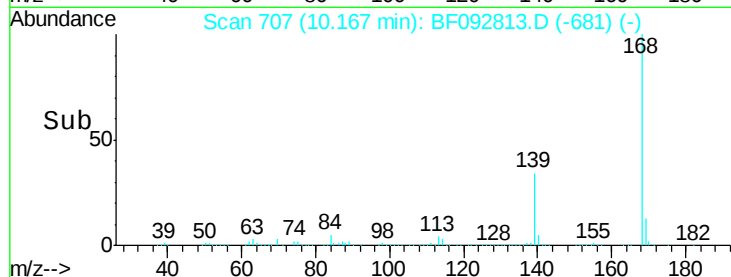
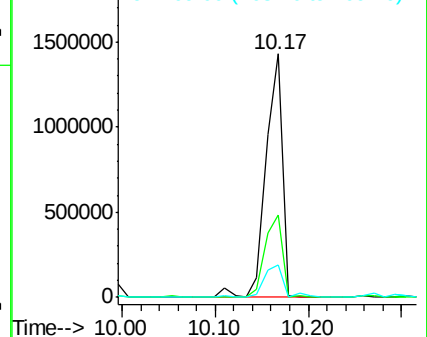
169 13.5 11.3 16.9

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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: 73.29 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

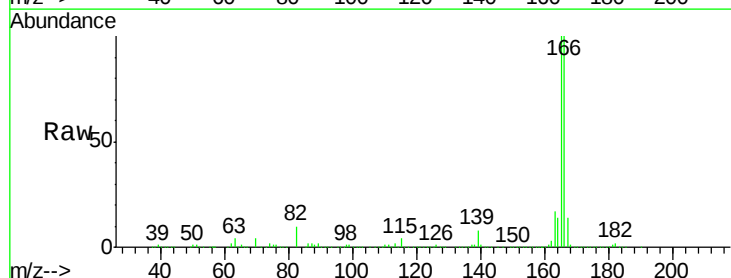
Tgt Ion:166 Resp: 1515202

Ion Ratio Lower Upper

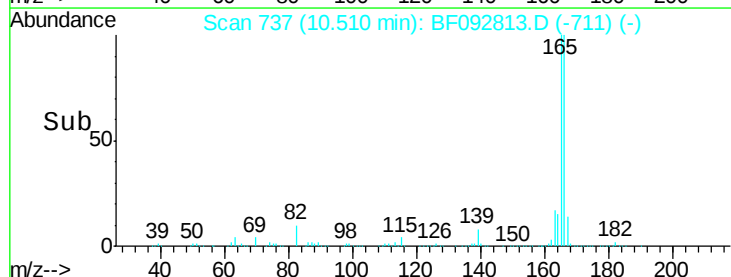
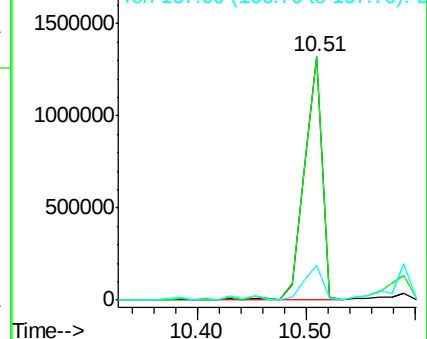
166 100

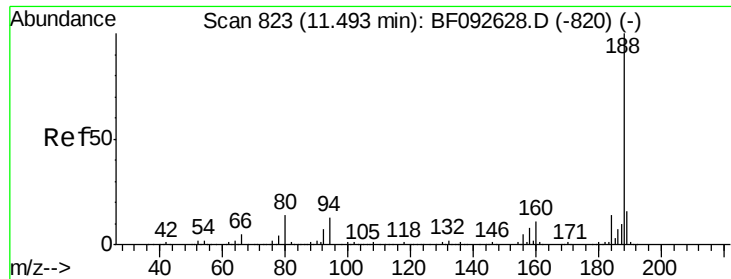
165 100.1 77.8 116.8

167 14.4 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





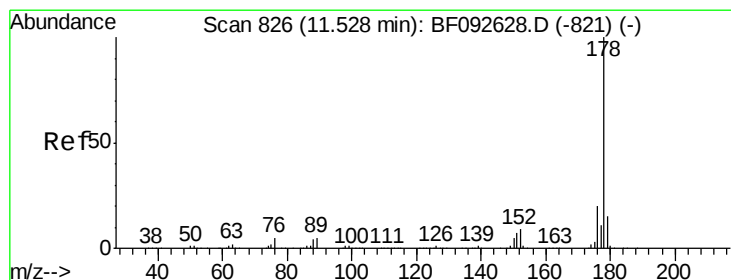
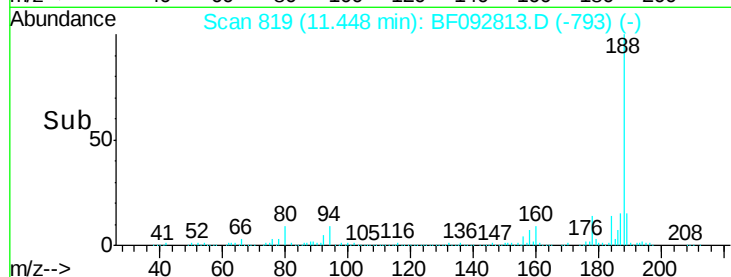
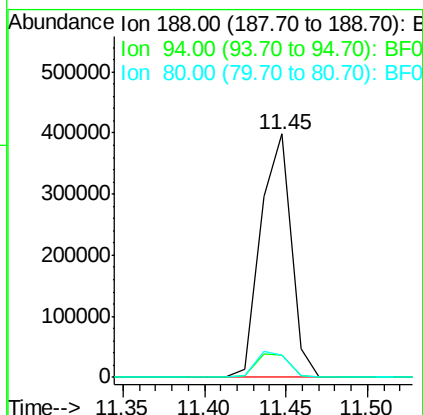
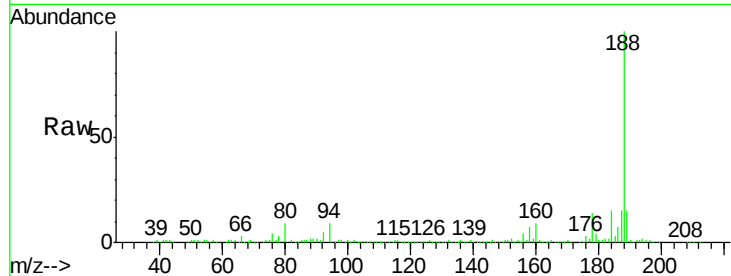
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	519474		
94	9.0	10.0	15.0#	
80	8.9	11.2	16.8#	

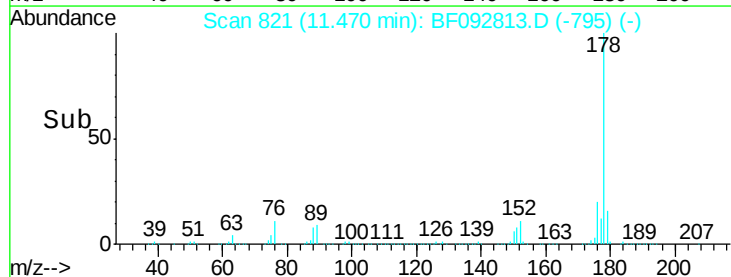
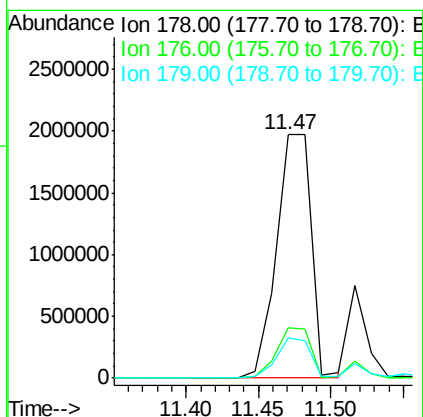
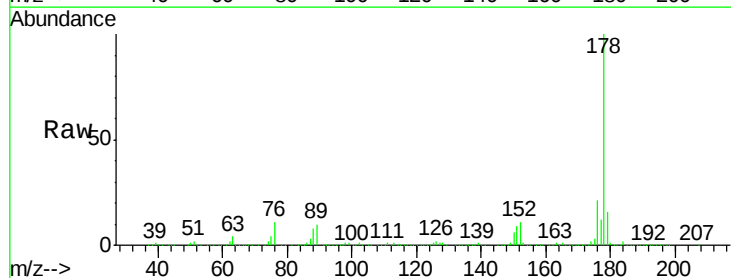
Manual Integrations
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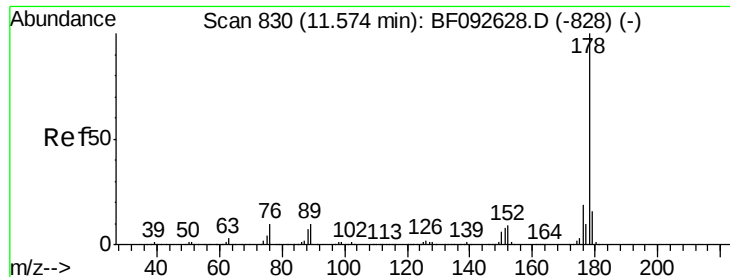
mohammad
2/7/2017 3:14:38 PM



#70
Phenanthrene
Concen: 109.49 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3258482		
176	20.5	16.6	25.0	
179	16.4	12.8	19.2	





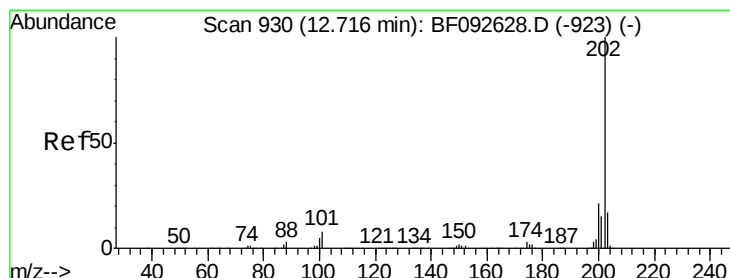
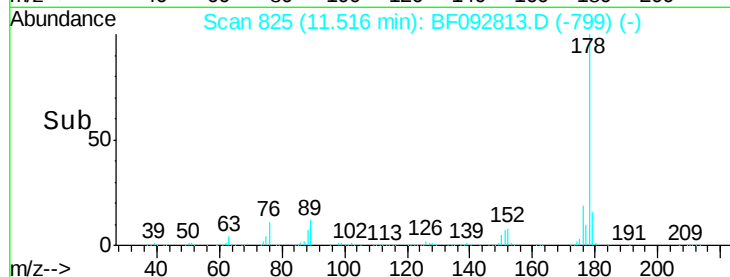
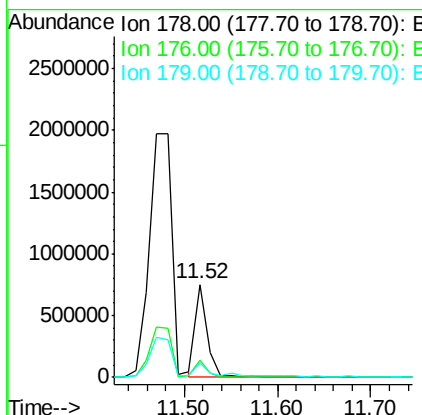
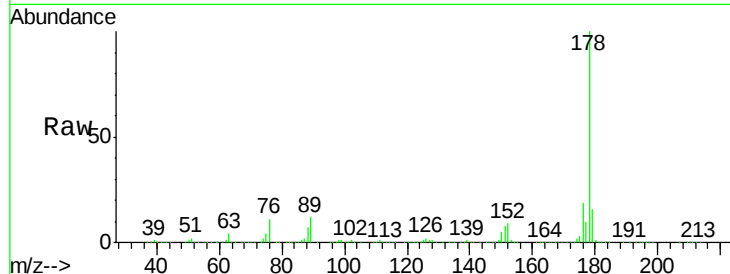
#71
 Anthracene
 Concen: 22.94 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF092813.D
 Acq: 6 Feb 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

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

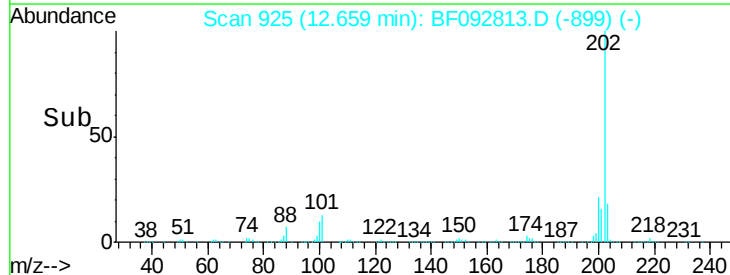
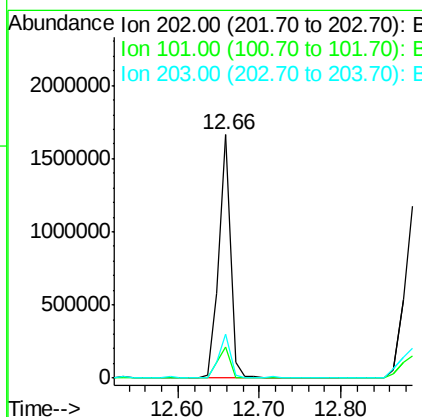
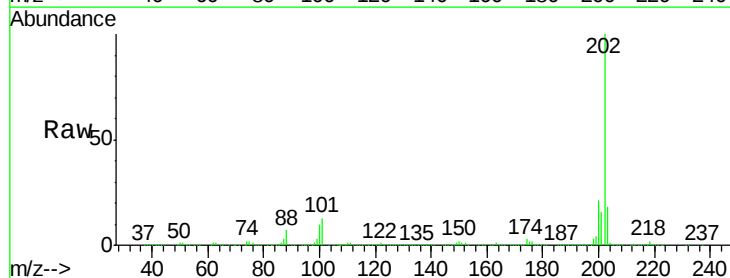
Manual Integrations
 APPROVED

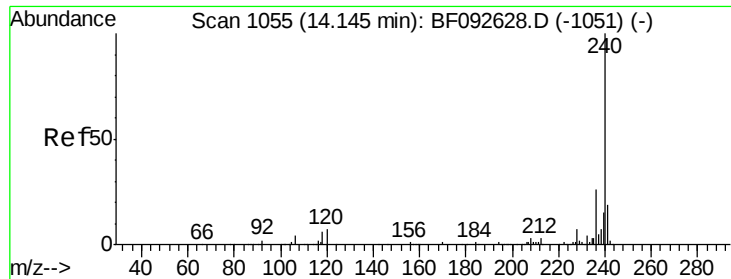
mohammad
 2/7/2017 3:14:38 PM



#74
 Fluoranthene
 Concen: 53.62 ng
 RT: 12.66 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF092813.D
 Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.6
203	18.3	0.0	38.7





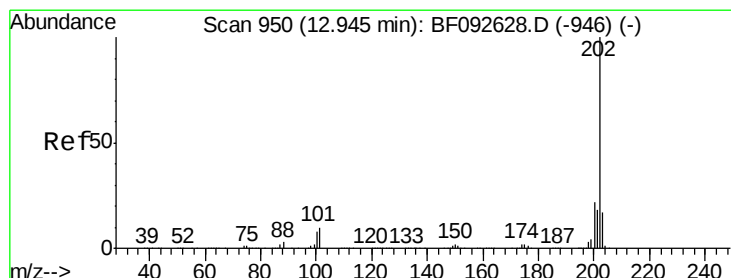
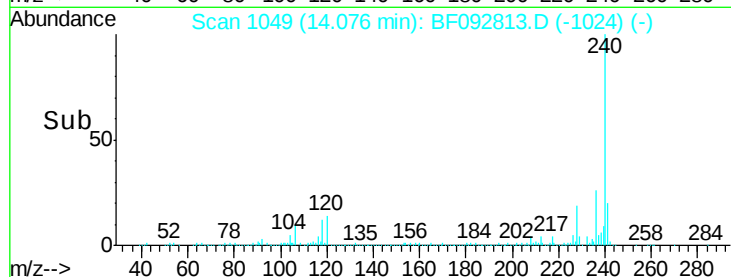
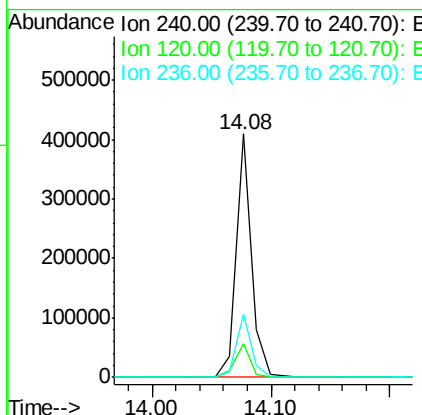
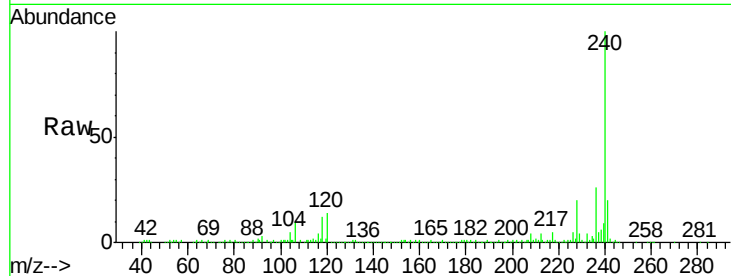
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.9	19.3
236	25.9	20.9	31.3

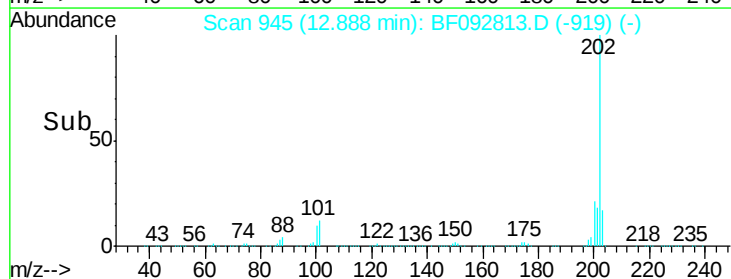
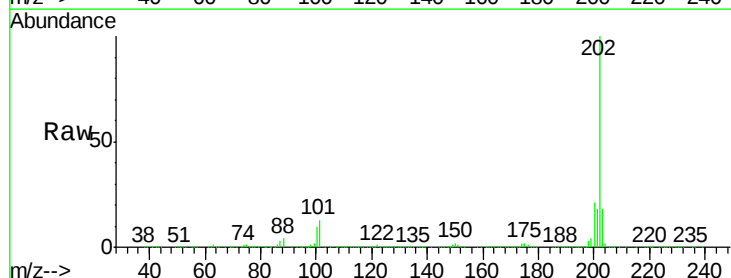
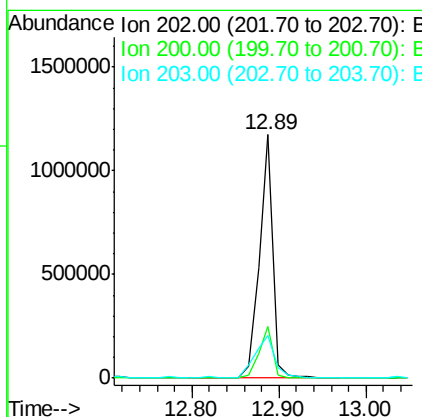
Manual Integrations
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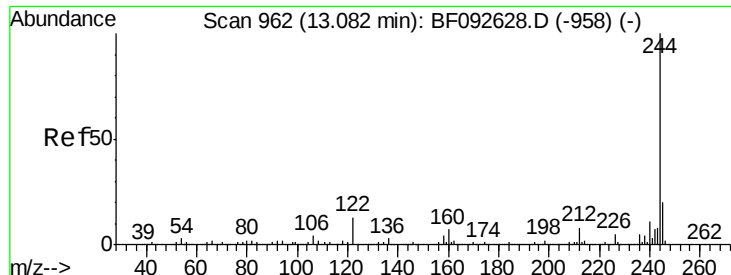
mohammad
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#77
Pyrene
Concen: 46.33 ng
RT: 12.89 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	17.6	14.7	22.1





#78

Terphenyl-d14

Concen: 60.47 ng

RT: 13.02 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

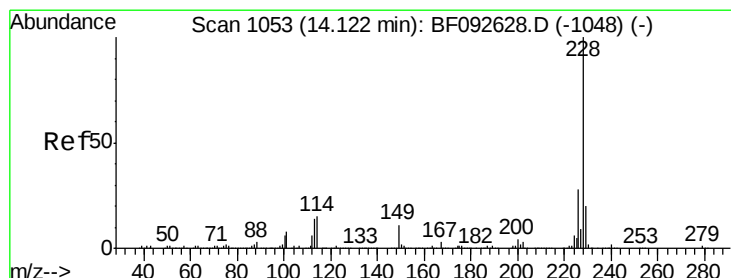
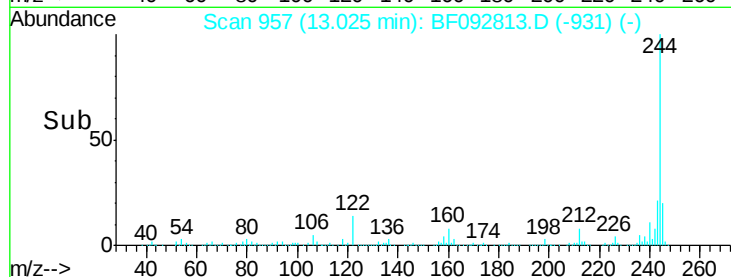
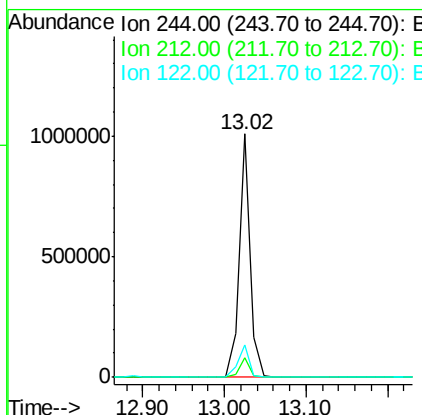
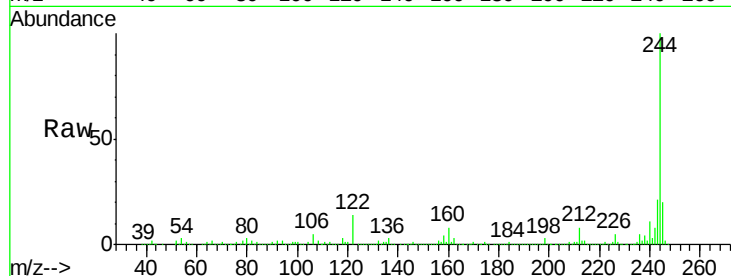
ClientSampled :

S-2B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	13.6	11.4	17.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.76 ng

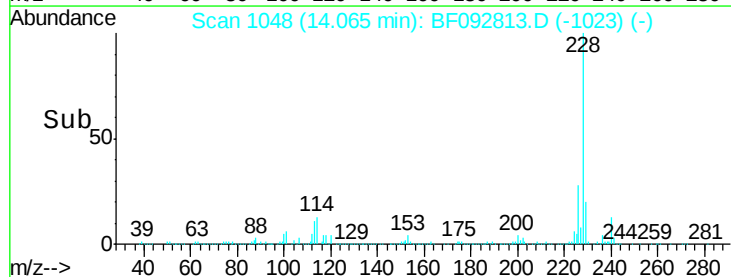
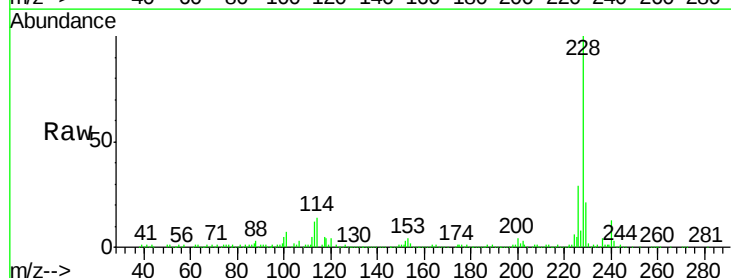
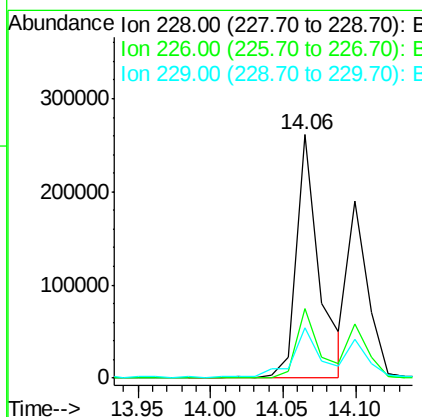
RT: 14.06 min Scan# 1048

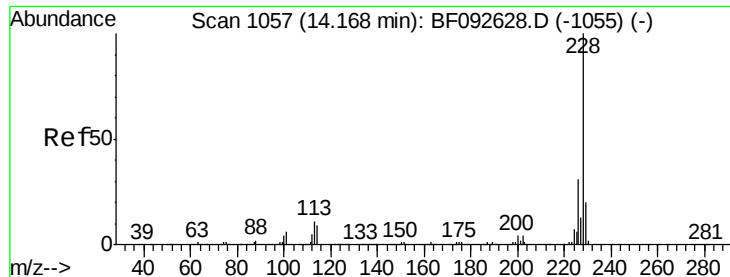
Delta R.T. -0.01 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.4	33.6
229	20.6	16.2	24.4





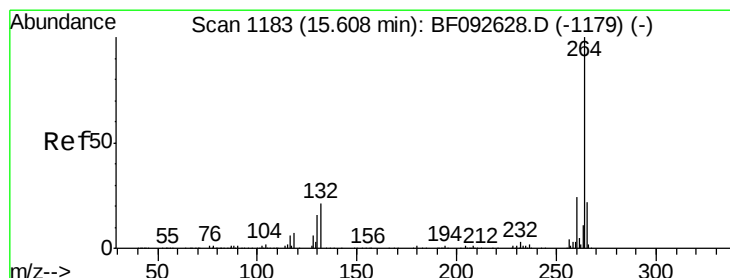
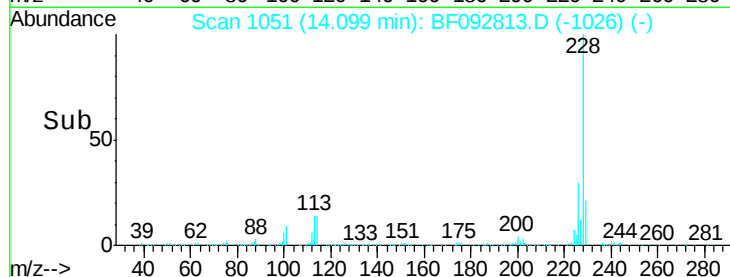
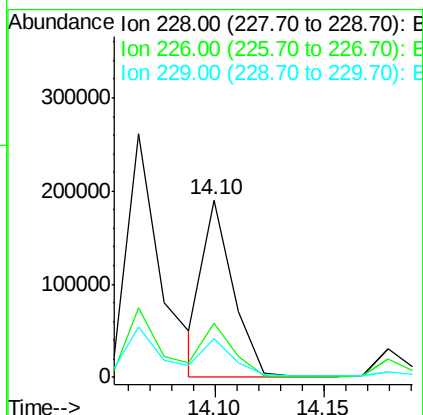
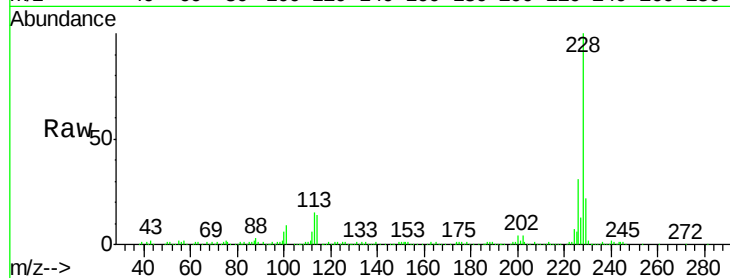
#82
Chrysene
Concen: 8.75 ng
RT: 14.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	21.7	16.2	24.2

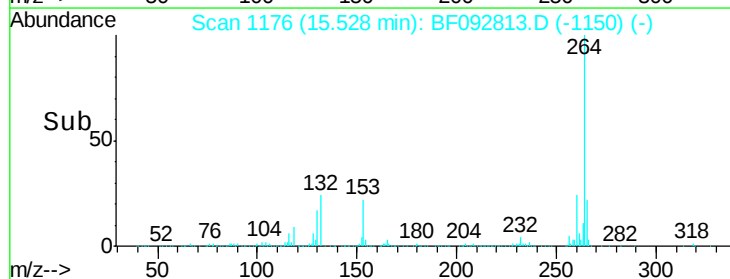
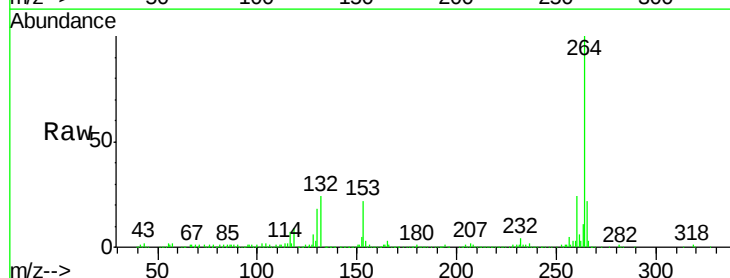
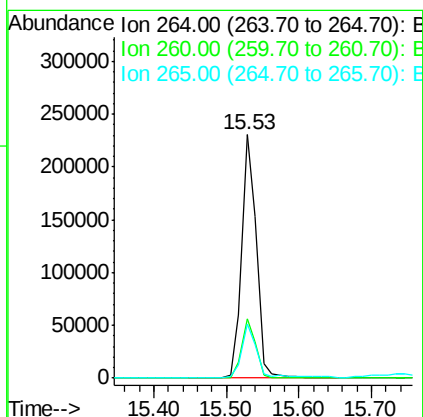
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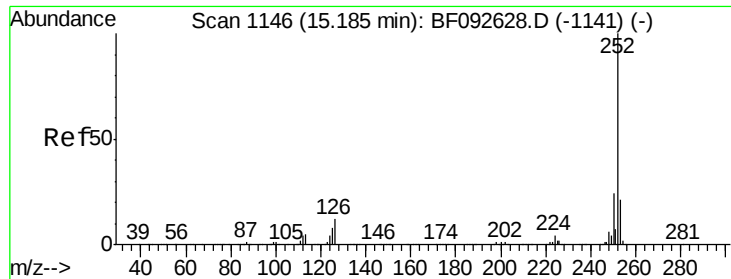
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF092813.D
Acq: 6 Feb 2017 23:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.57 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Instrument :

BNA_F

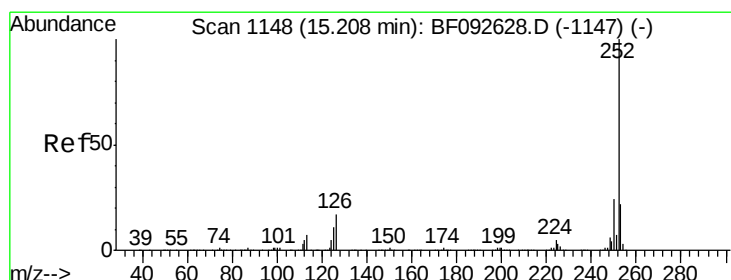
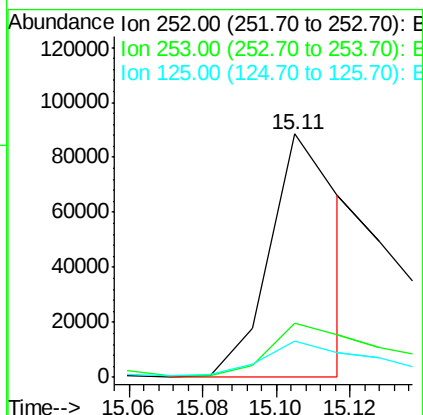
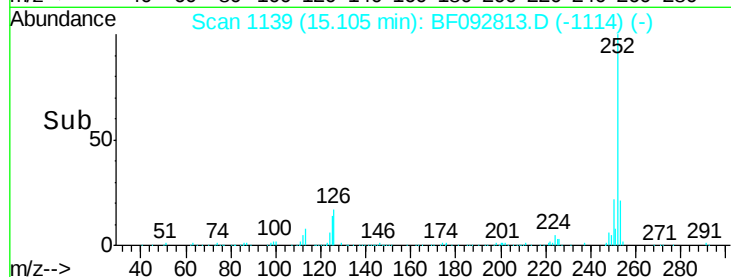
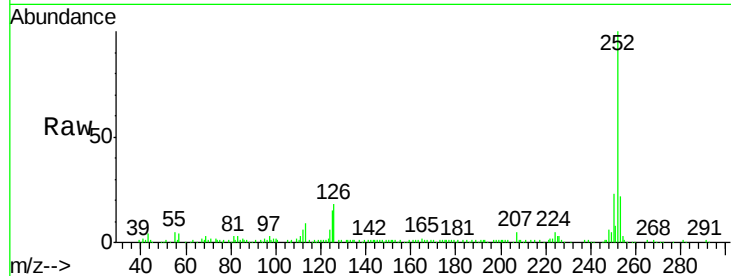
ClientSampled :

S-2B

Tot Ion:	252	Resp:	118762
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.4
125	14.6	9.8	14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.23 ng m

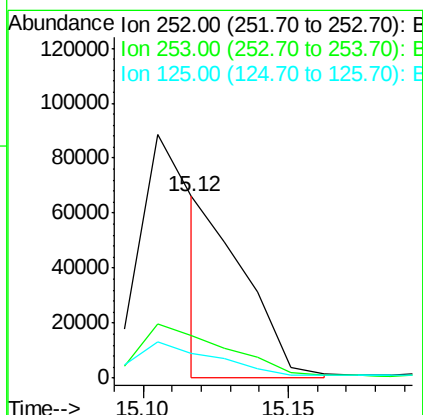
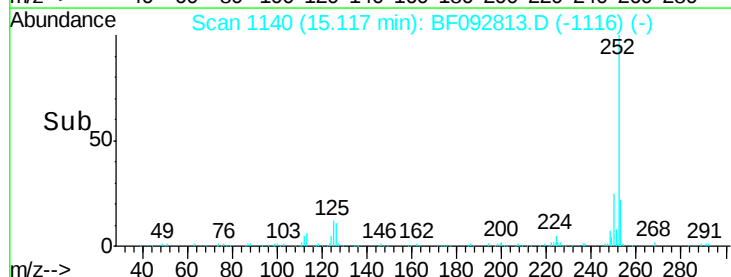
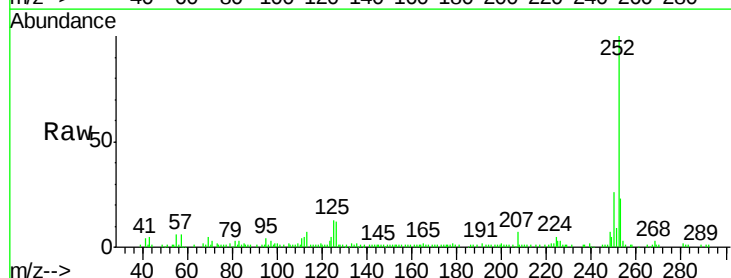
RT: 15.12 min Scan# 1140

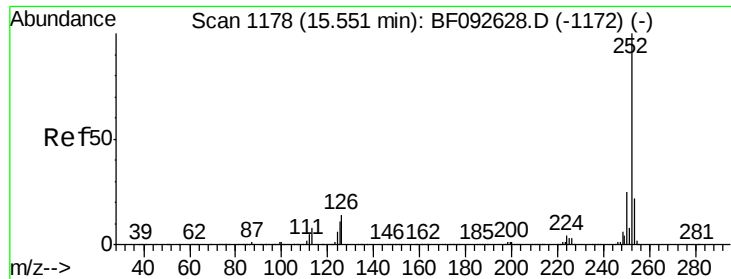
Delta R.T. -0.02 min

Lab File: BF092813.D

Acq: 6 Feb 2017 23:16

Tgt Ion:	252	Resp:	59331
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	13.5	8.9	13.3#





#89
 Benzo(a)pyrene
 Concen: 4.72 ng
 RT: 15.47 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF092813.D
 Acq: 6 Feb 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.2	27.2
125	11.5	10.0	15.0

Manual Integrations
 APPROVED

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 2/7/2017 3:14:38 PM

