

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083434.D
 Acq On : 2 Dec 2015 23:21
 Operator : UM/IZ
 Sample : G4582-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Manual Integrations
 APPROVED

Mmdadoda
 12/3/2015 7:09:53 PM

Quant Time: Dec 03 06:07:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	157720	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	638137	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	318844	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	556278	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	402059	20.00	ng	-0.03
86) Perylene-d12	16.79	264	357449	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1436350	136.65	ng	0.00
7) Phenol-d6	6.21	99	1933021	134.36	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1364587	94.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	372711	116.45	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1867657	83.47	ng	-0.01
78) Terphenyl-d14	13.20	244	1610674	95.54	ng	-0.02
Target Compounds						
10) Phenol	6.22	94	43569	2.52	ng	81
31) Naphthalene	7.85	128	293157	8.47	ng	97
49) Dimethylphthalate	9.31	163	426065	16.44	ng	99
70) Phenanthrene	11.14	178	171341	5.20	ng	96
74) Fluoranthene	12.64	202	225152	6.60	ng	93
77) Pyrene	12.95	202	263918	9.40	ng	98
80) Benzo(a)anthracene	14.71	228	89937m	3.65	ng	
82) Chrysene	14.76	228	90468	3.80	ng	99
85) Indeno(1,2,3-cd)pyrene	18.16	276	47325	2.73	ng	95
87) Benzo(b)fluoranthene	16.27	252	87084m	3.80	ng	
89) Benzo(a)pyrene	16.72	252	64101	3.25	ng	99
91) Benzo(a,h,i)perylene	18.53	276	51352	3.05	ng	97

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

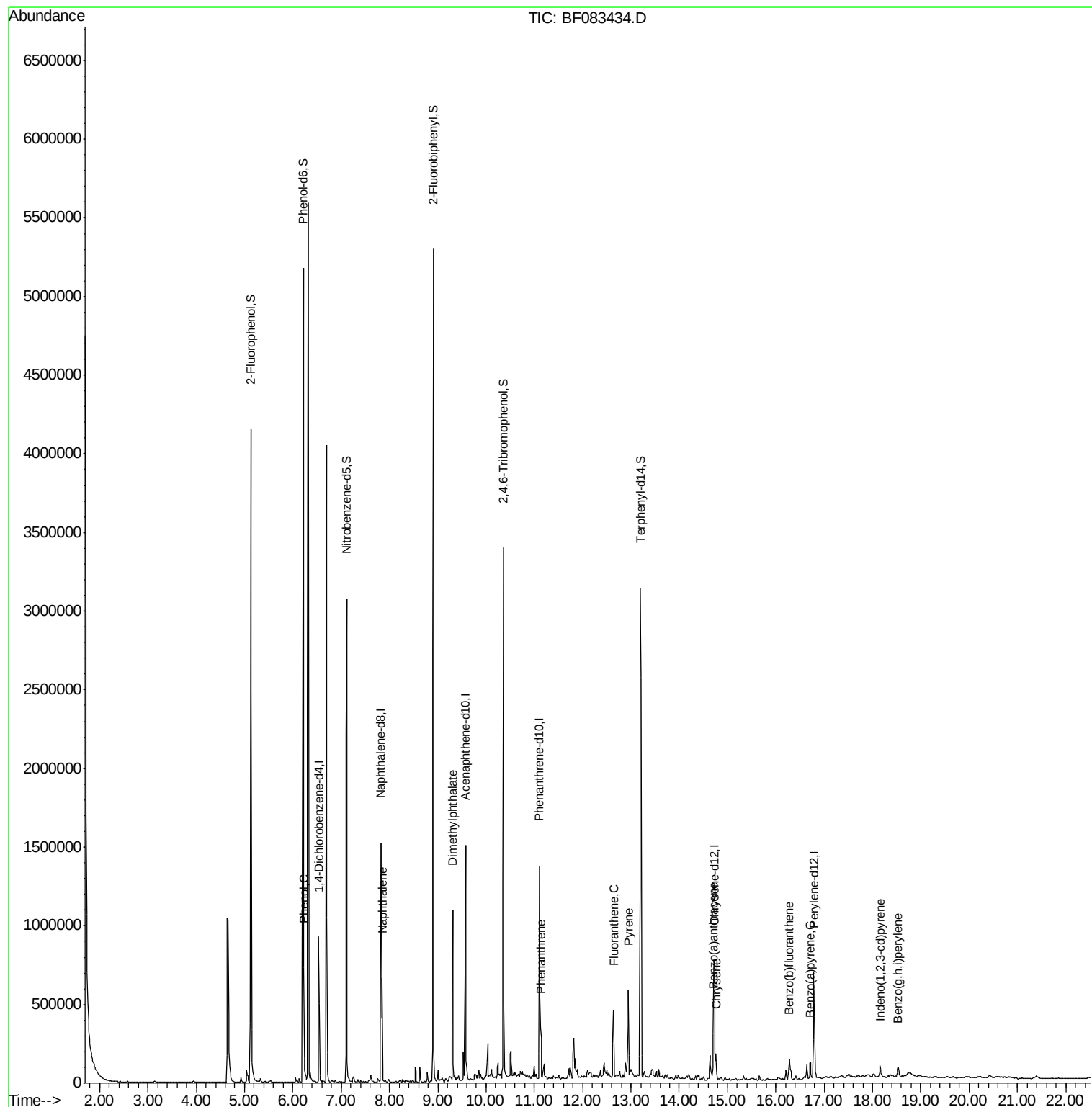
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083434.D
Acq On : 2 Dec 2015 23:21
Operator : UM/IZ
Sample : G4582-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

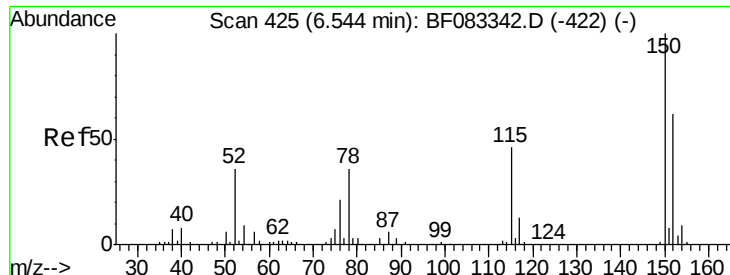
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Manual Integrations
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Quant Time: Dec 03 06:07:45 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

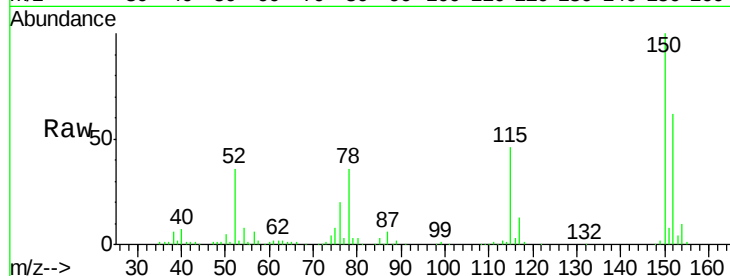
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	129.8	194.8
115	74.5	59.2	88.8

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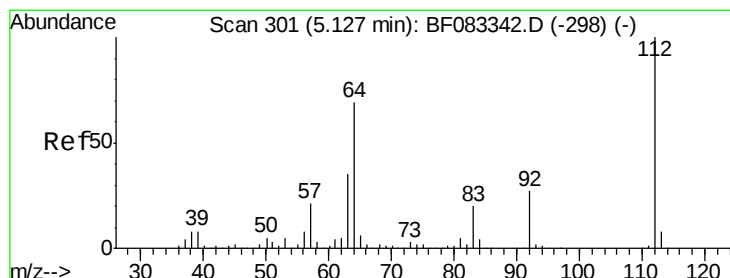
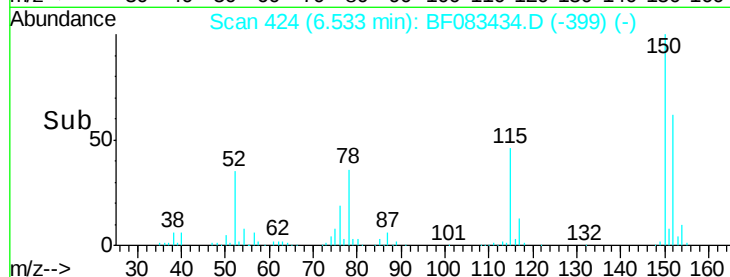
Abundance

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

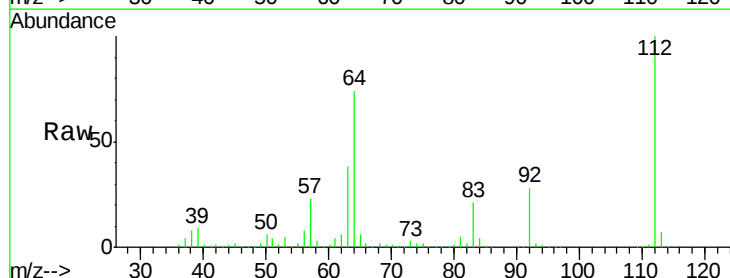
Time-->



#5

2-Fluorophenol
Concen: 136.65 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	55.6	83.4
63	37.6	28.2	42.2



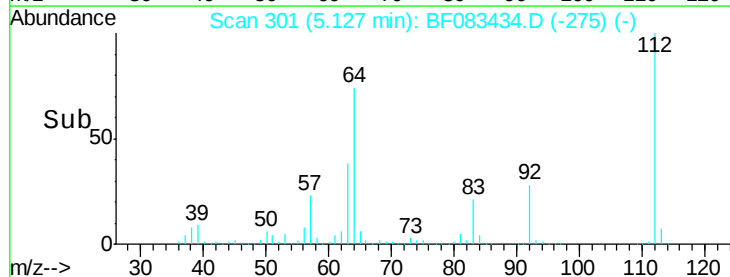
Abundance

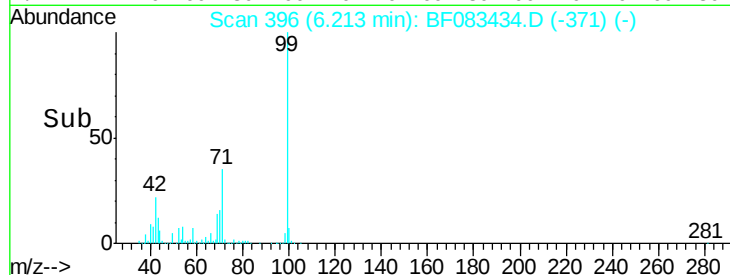
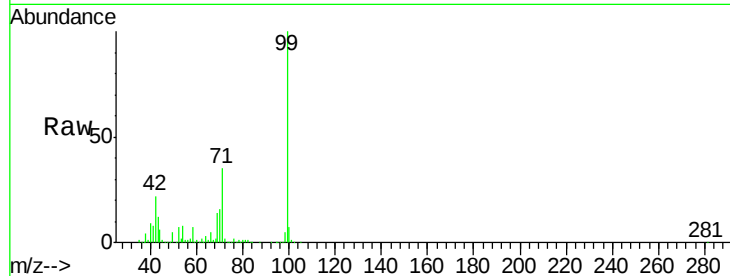
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 134.36 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

Tot Ion: 99 Resp: 1933021

Ion Ratio Lower Upper

99 100

42 22.4 14.9 22.3#

71 35.2 24.7 37.1

Instrument :

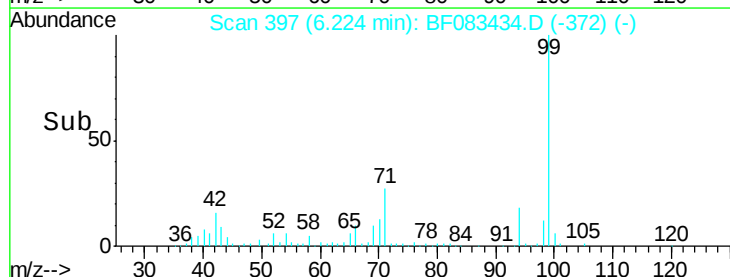
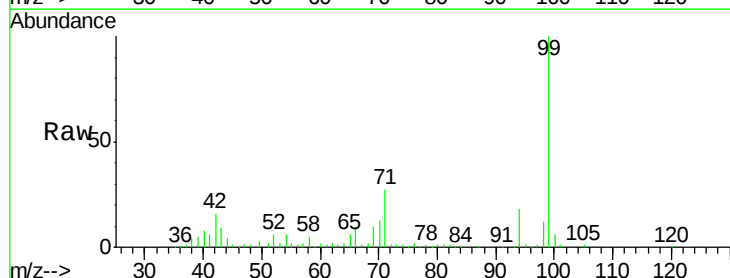
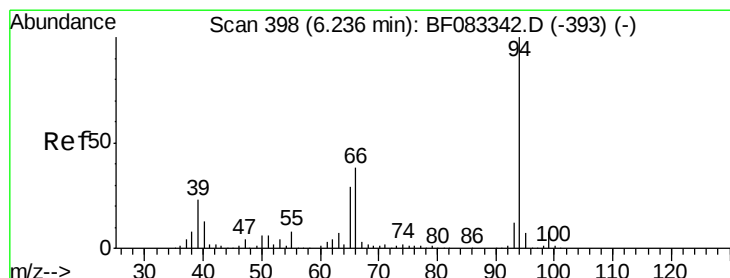
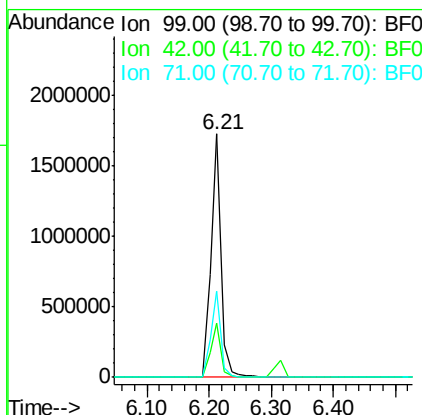
BNA_F

ClientSampleId :

SB-P3WC-05(0-6)

Manual Integrations
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#10

Phenol

Concen: 2.52 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

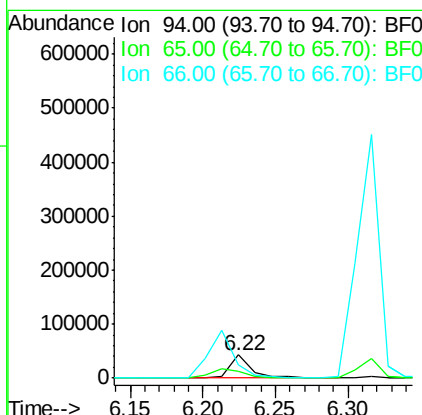
Tgt Ion: 94 Resp: 43569

Ion Ratio Lower Upper

94 100

65 32.1 9.5 49.5

66 56.2 17.9 57.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

Instrument :

BNA_F

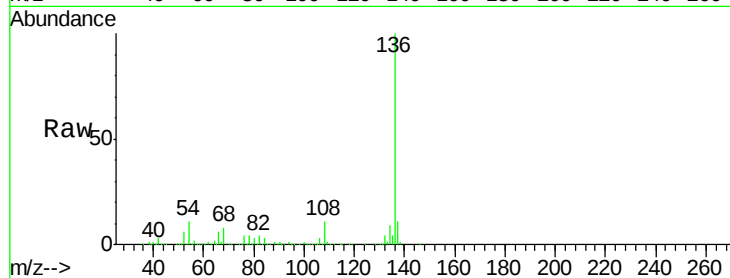
ClientSampleId :

SB-P3WC-05(0-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		638137		
137	11.1		9.0	13.4	
54	10.6		10.1	15.1	
68	7.6		7.1	10.7	

Manual Integrations
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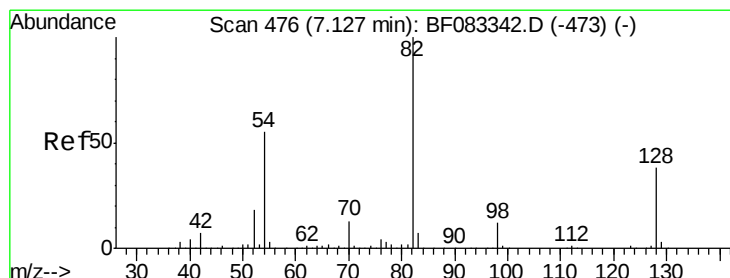
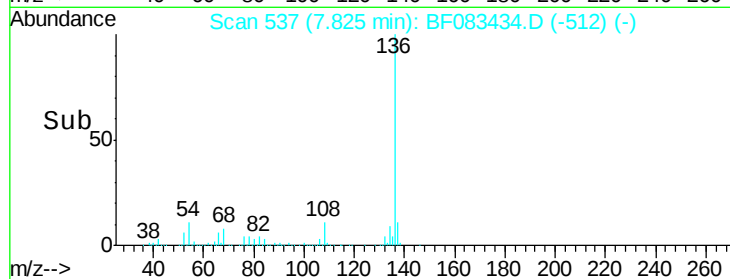
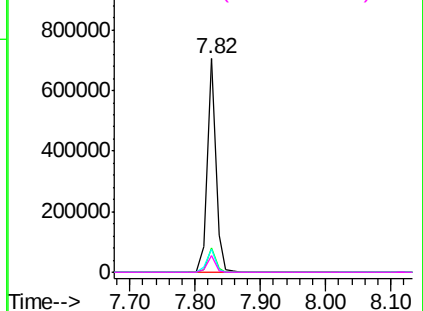
Abundance

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: 94.00 ng

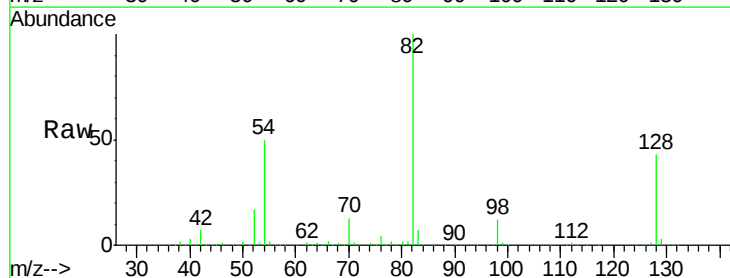
RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083434.D

Acq: 2 Dec 2015 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1364587		
128	43.3		30.6	46.0	
54	50.1		43.8	65.6	

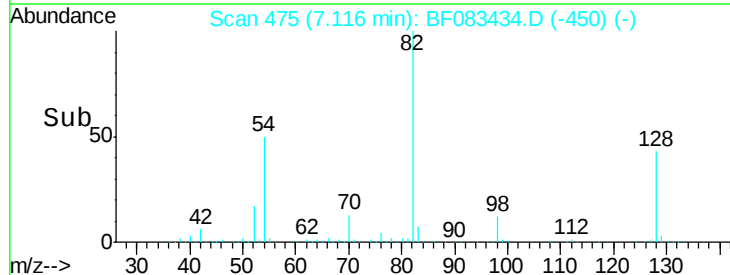
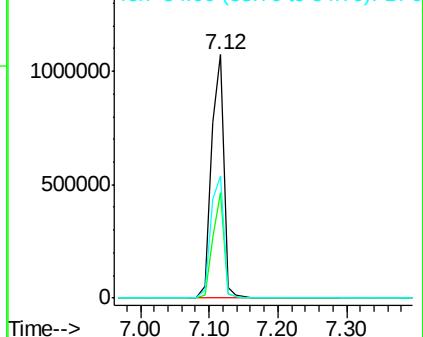


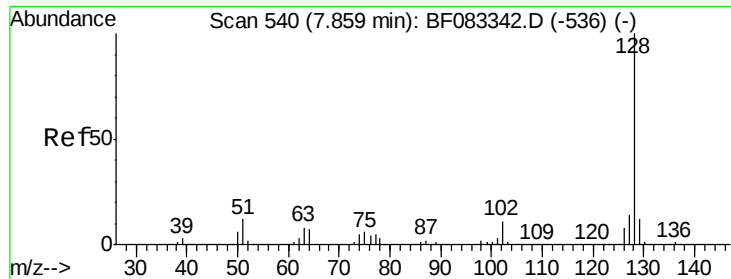
Abundance

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





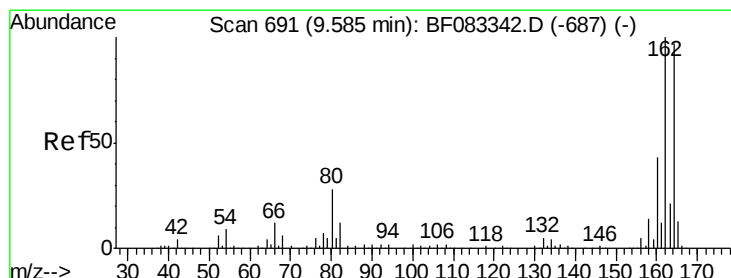
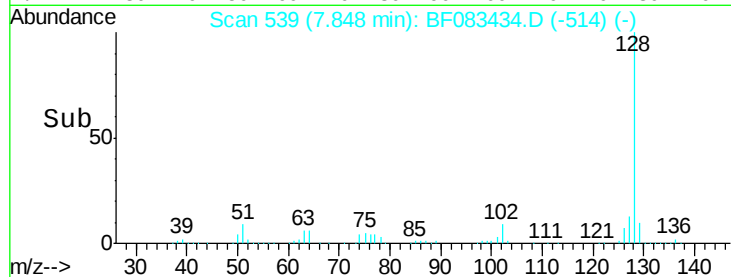
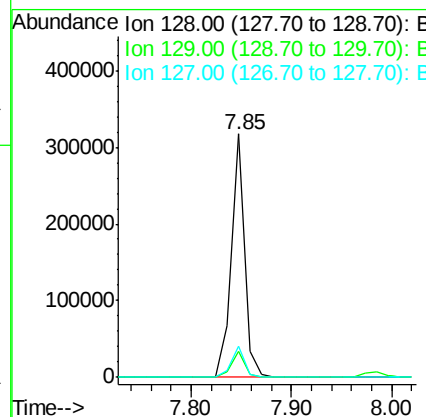
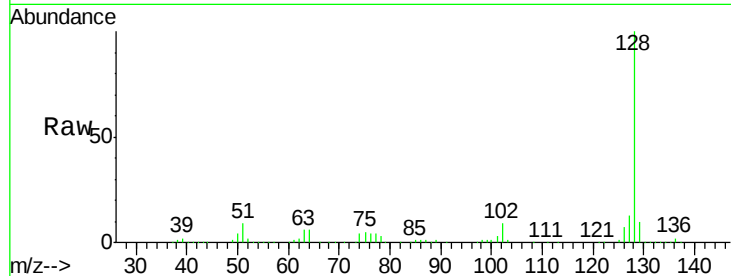
#31
Naphthalene
Concen: 8.47 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.7	14.5
127	12.7	11.0	16.4

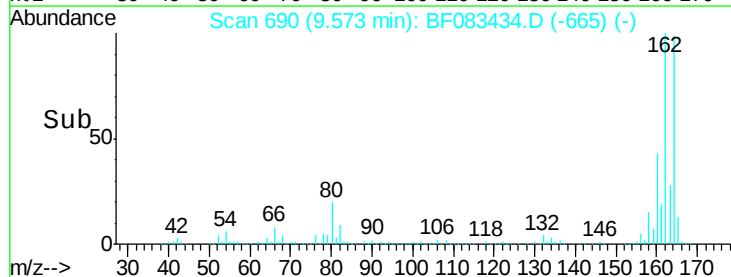
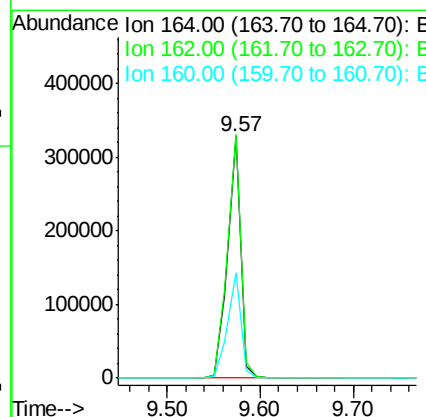
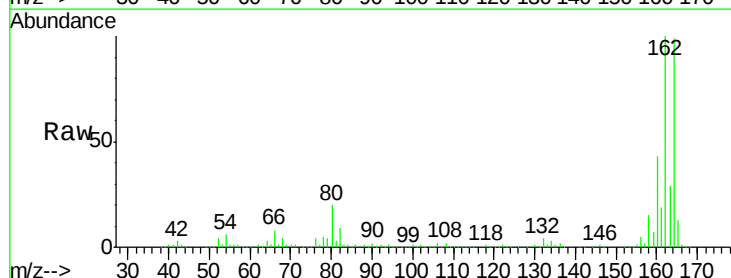
Manual Integrations
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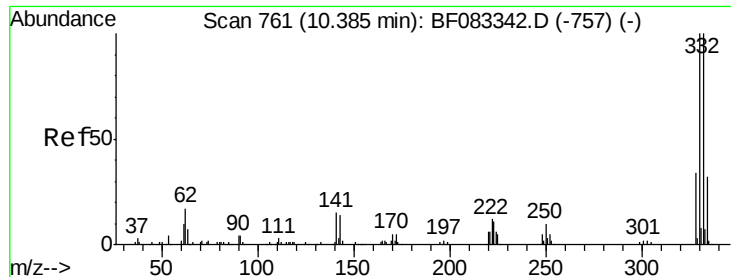
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	43.7	35.3	52.9





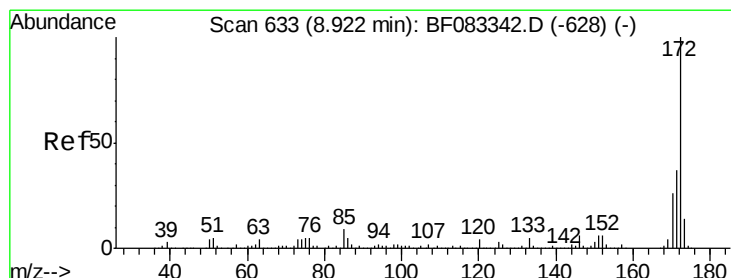
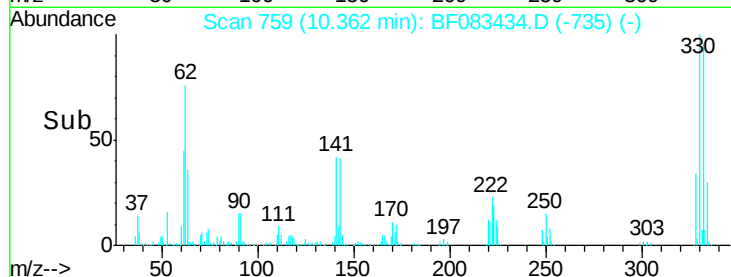
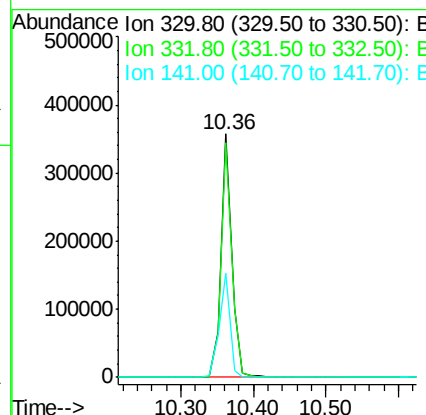
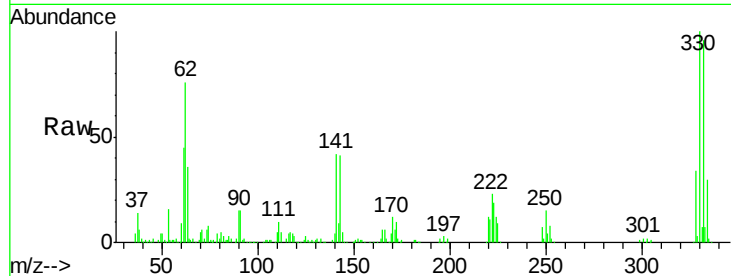
#41
 2,4,6-Tribromophenol
 Concen: 116.45 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	372711		
332	96.8	77.8	116.6	
141	42.1	29.4	44.0	

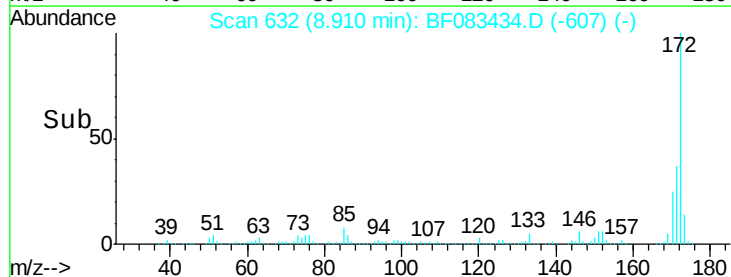
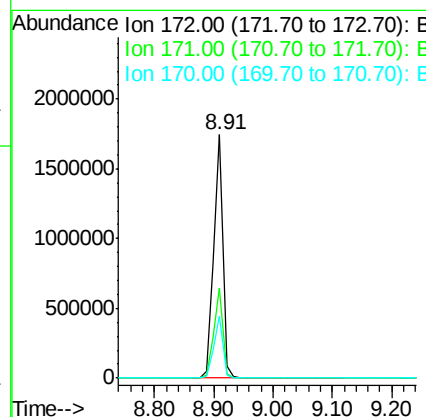
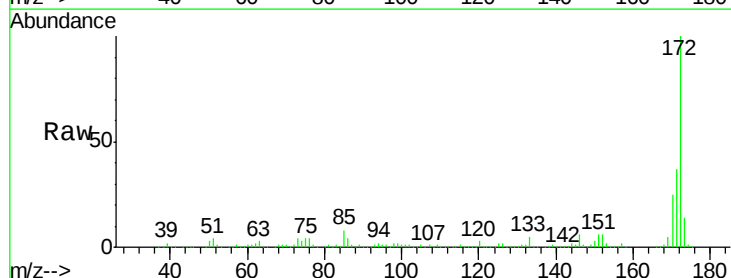
Manual Integrations
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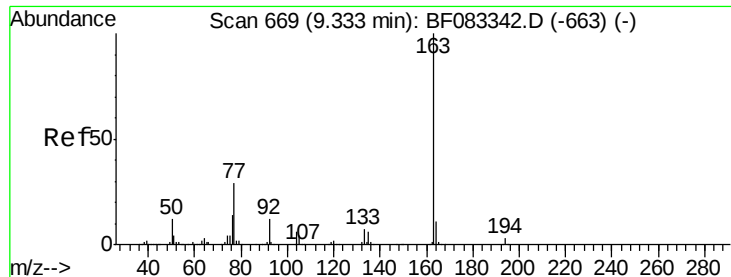
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#44
 2-Fluorobiphenyl
 Concen: 83.47 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1867657		
171	36.9	29.4	44.0	
170	25.3	20.4	30.6	





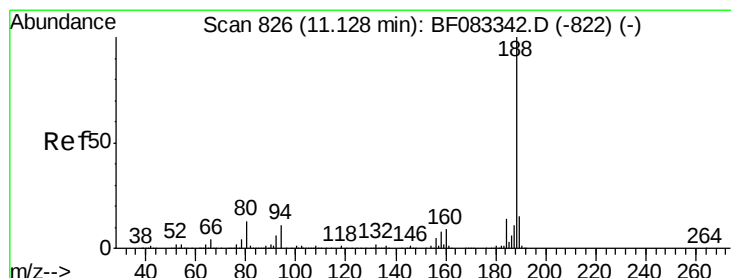
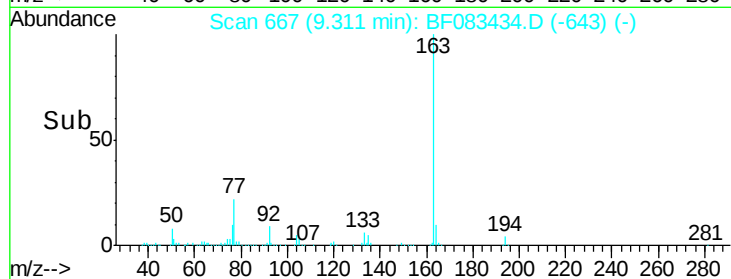
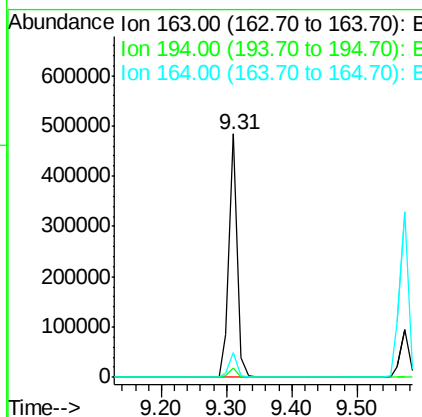
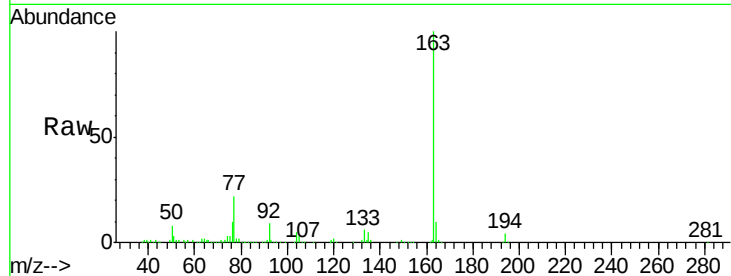
#49
Dimethylphthalate
Concen: 16.44 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	426065		
194	3.6		2.7	4.1
164	10.4		8.8	13.2

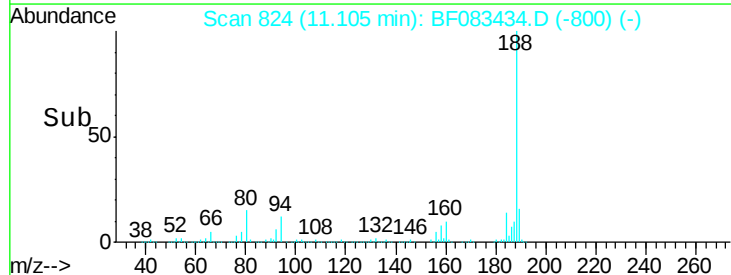
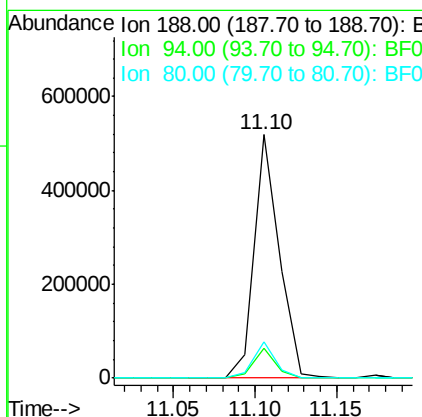
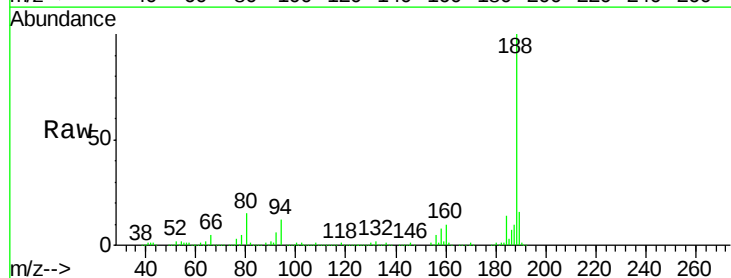
Manual Integrations
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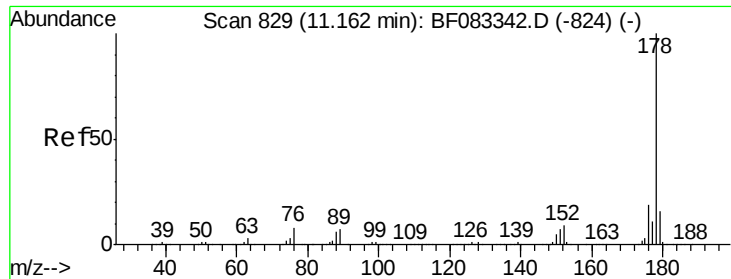
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	556278		
94	12.1		8.7	13.1
80	14.7		10.3	15.5





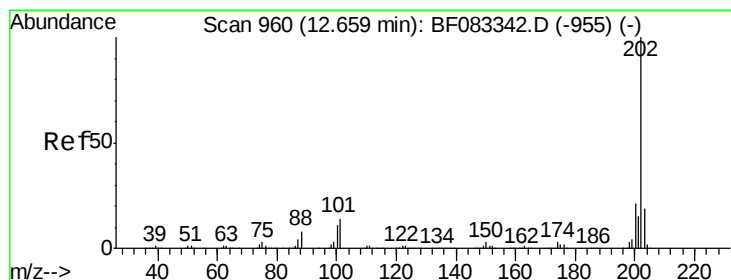
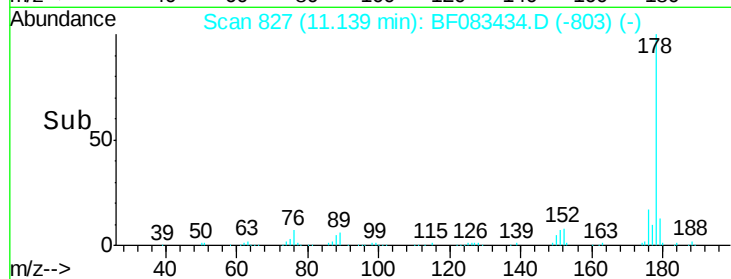
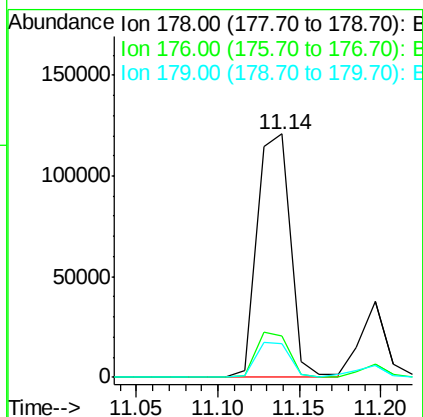
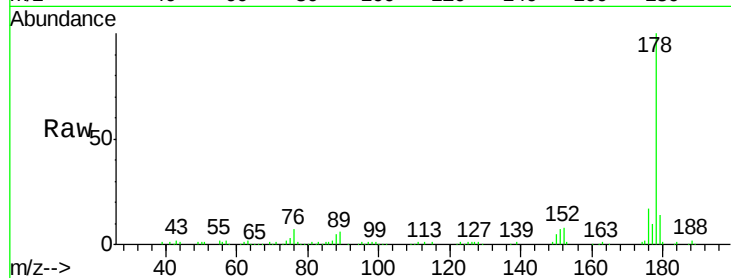
#70
Phenanthrene
Concen: 5.20 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.3	22.9
179	13.8	12.4	18.6

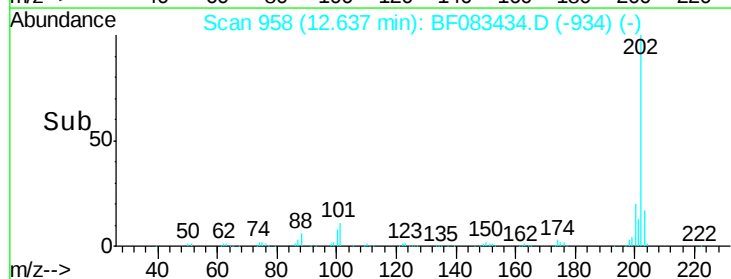
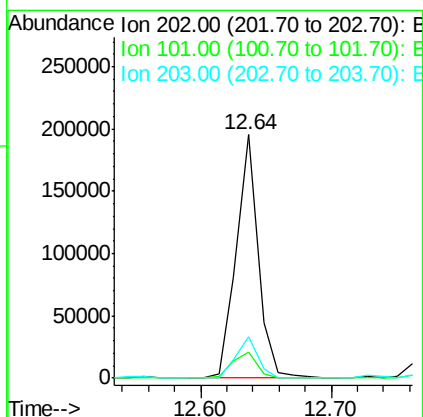
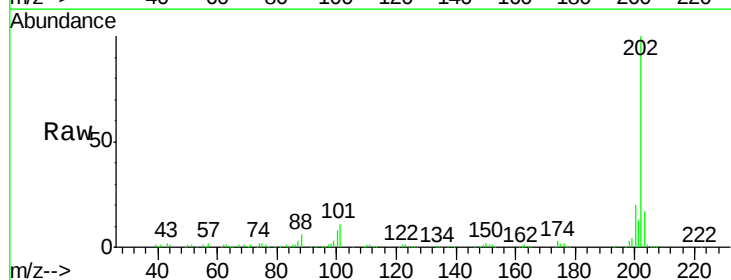
Manual Integrations
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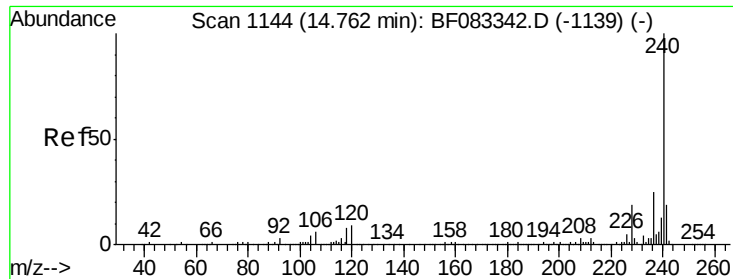
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#74
Fluoranthene
Concen: 6.60 ng
RT: 12.64 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.5
203	16.8	0.0	38.7





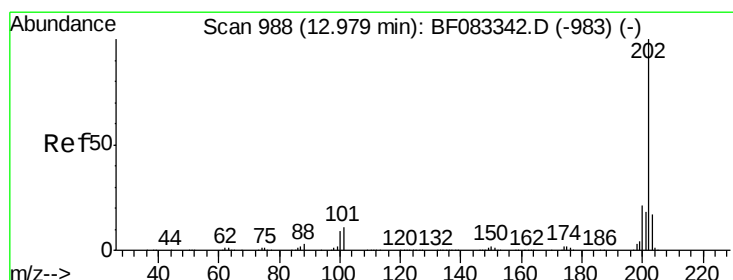
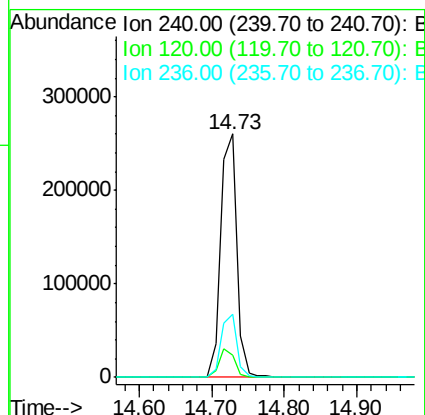
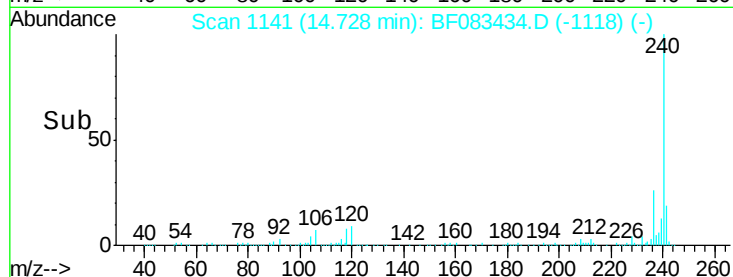
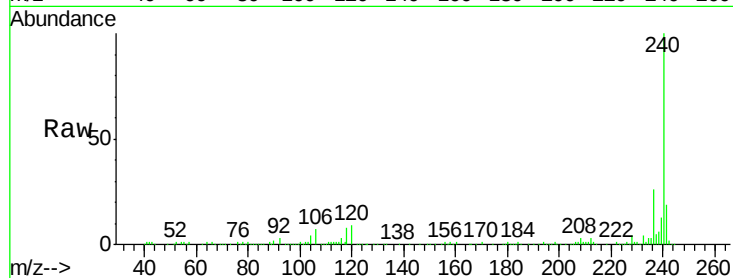
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion:	240	Resp:	402059
Ion Ratio	Lower	Upper	
240	100		
120	9.2	6.9	10.3
236	26.1	19.8	29.6

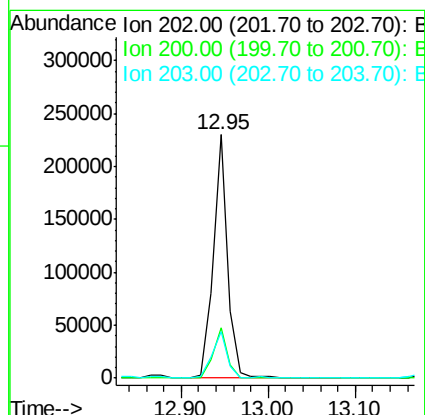
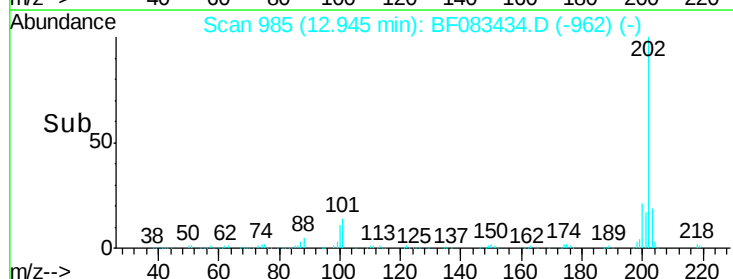
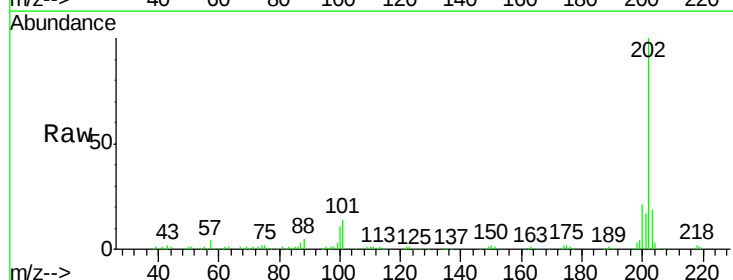
Manual Integrations
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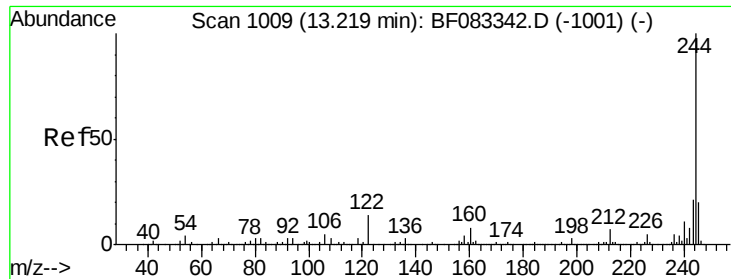
Mmdadoda
12/3/2015 7:09:53 PM



#77
Pyrene
Concen: 9.40 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion:	202	Resp:	263918
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.9	25.3
203	18.9	13.9	20.9





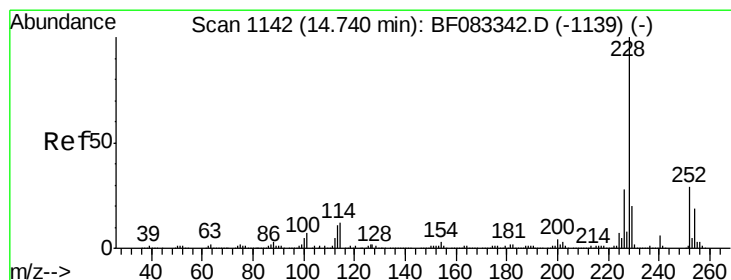
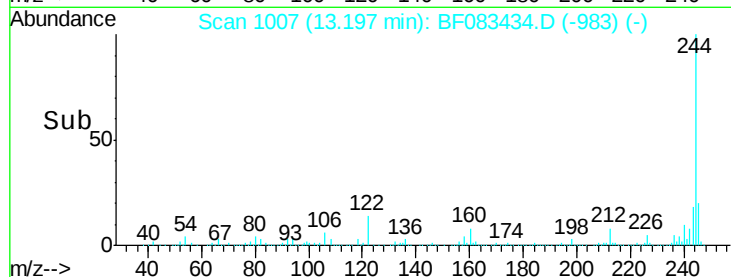
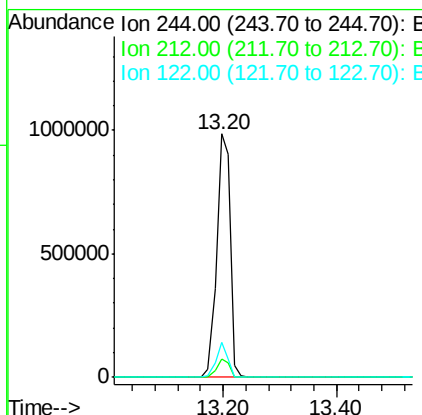
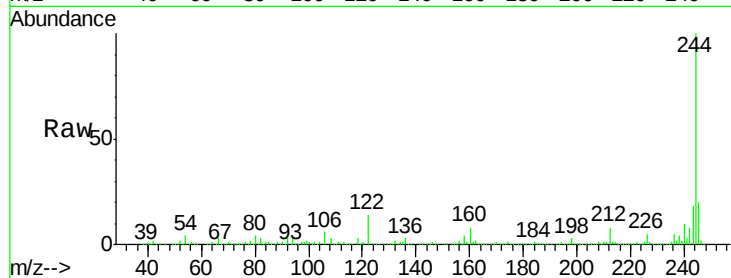
#78
 Terphenyl-d14
 Concen: 95.54 ng
 RT: 13.20 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(0-6)

Tot Ion:244 Resp: 1610674
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 14.2 11.0 16.4

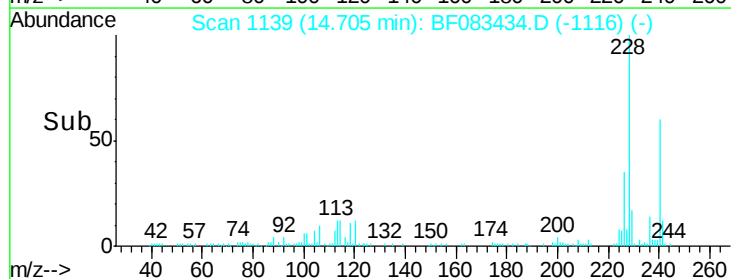
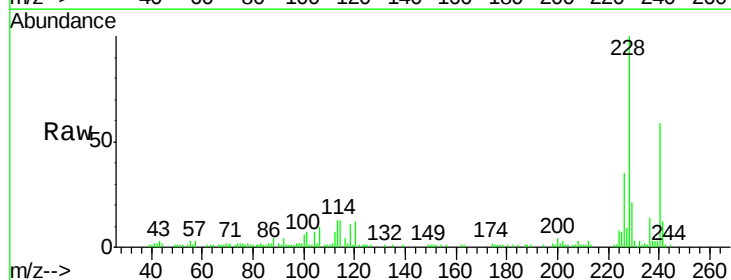
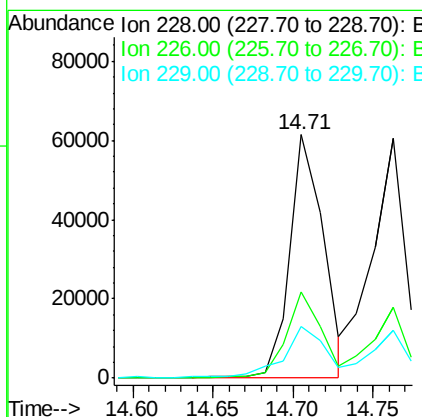
Manual Integrations
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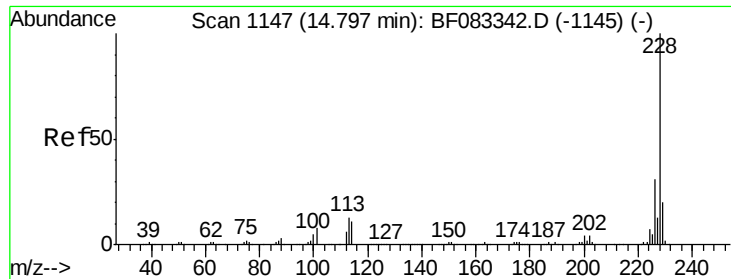
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 12/3/2015 7:09:53 PM



#80
 Benzo(a)anthracene
 Concen: 3.65 ng m
 RT: 14.71 min Scan# 1139
 Delta R.T. -0.03 min
 Lab File: BF083434.D
 Acq: 2 Dec 2015 23:21

Tgt Ion:228 Resp: 89937
 Ion Ratio Lower Upper
 228 100
 226 35.2 22.2 33.4#
 229 21.0 16.1 24.1





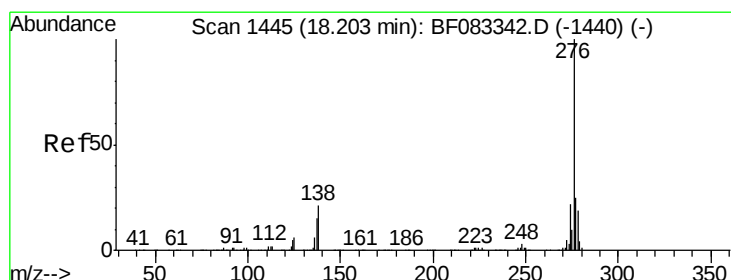
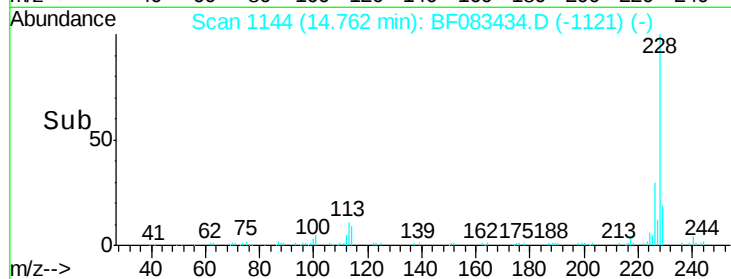
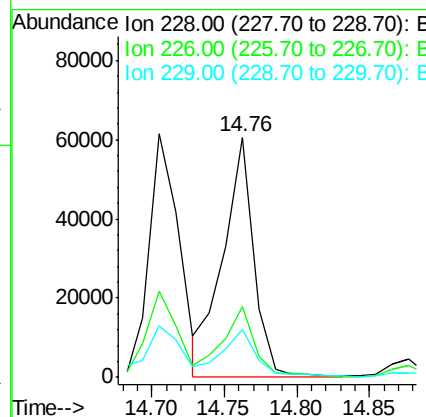
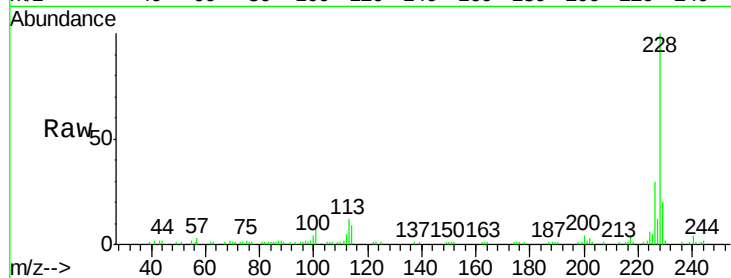
#82
Chrysene
Concen: 3.80 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	20.0	16.2	24.2

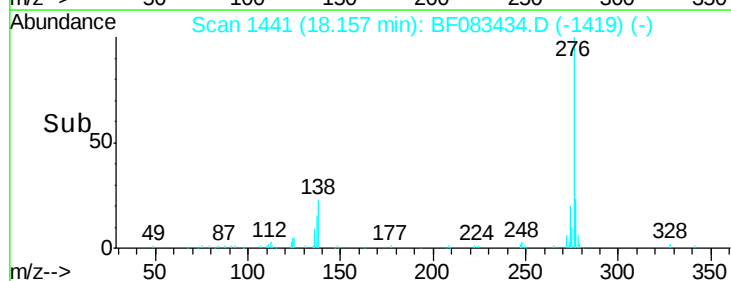
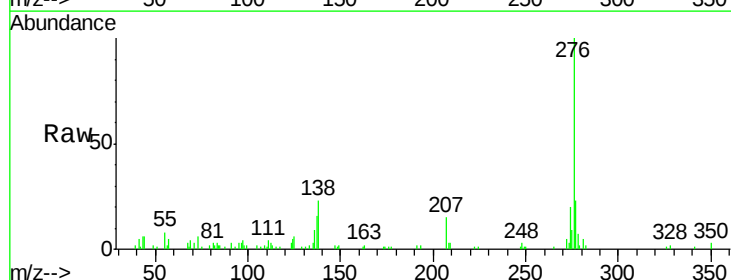
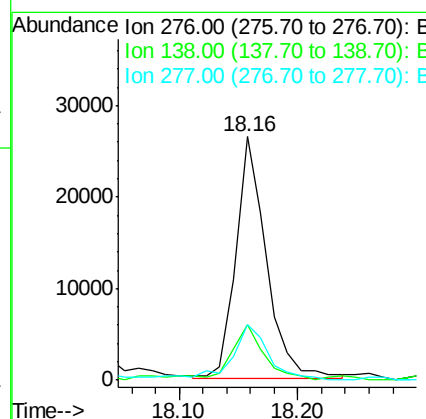
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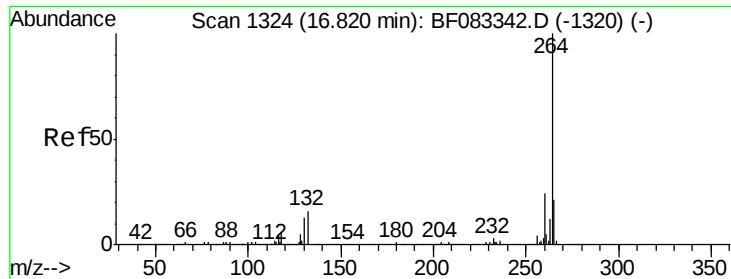
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12/3/2015 7:09:53 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.73 ng
RT: 18.16 min Scan# 1441
Delta R.T. -0.05 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.2	31.8
277	27.0	20.0	30.0





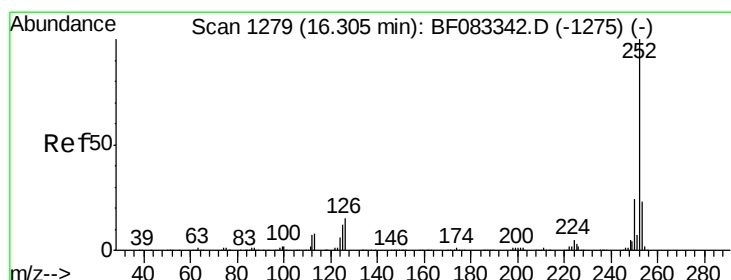
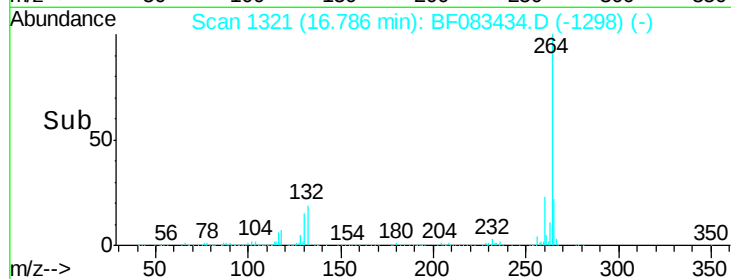
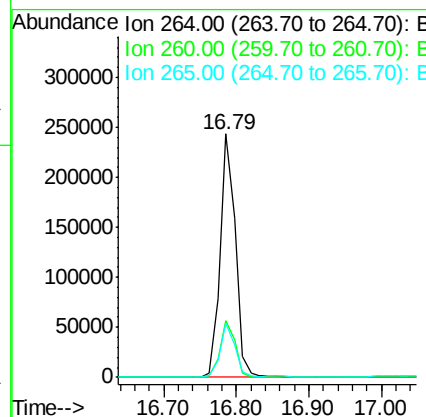
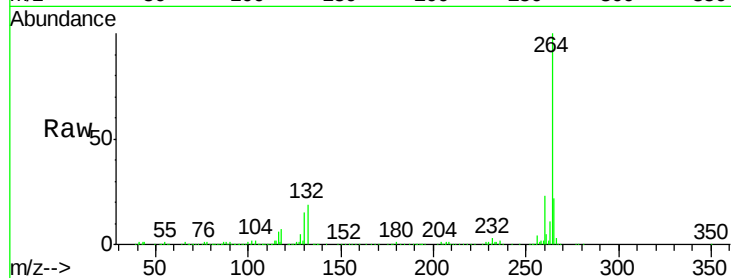
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.79 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.1	16.8	25.2

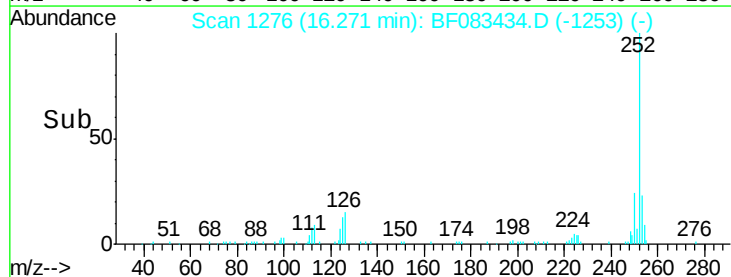
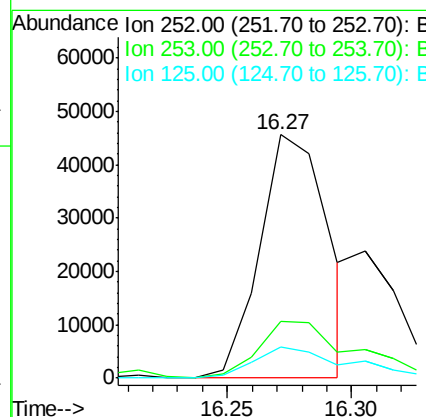
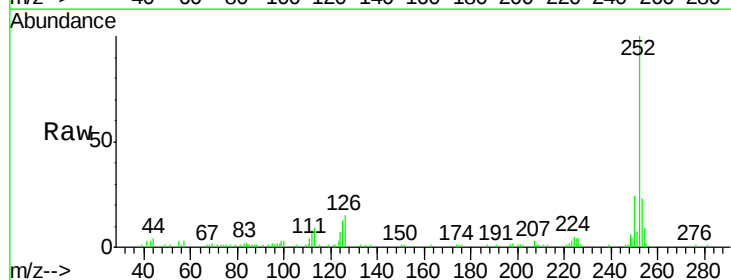
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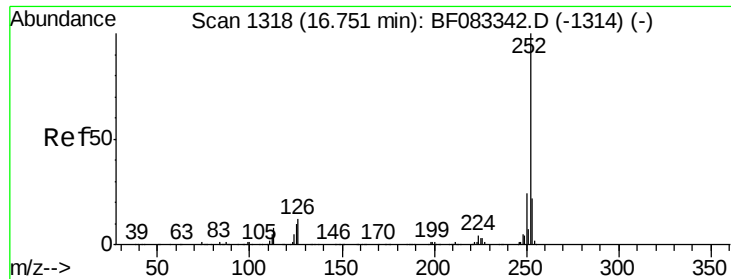
Mmdadoda
12/3/2015 7:09:53 PM



#87
Benzo(b)fluoranthene
Concen: 3.80 ng m
RT: 16.27 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.0	9.6	14.4





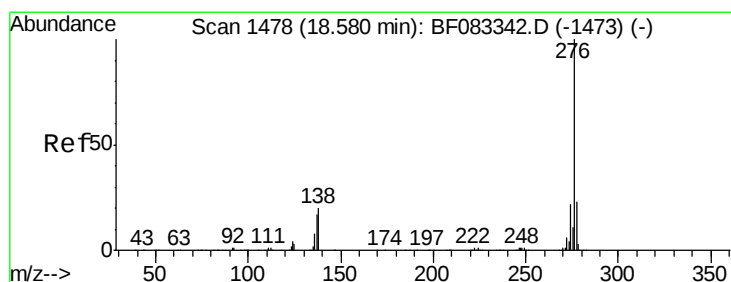
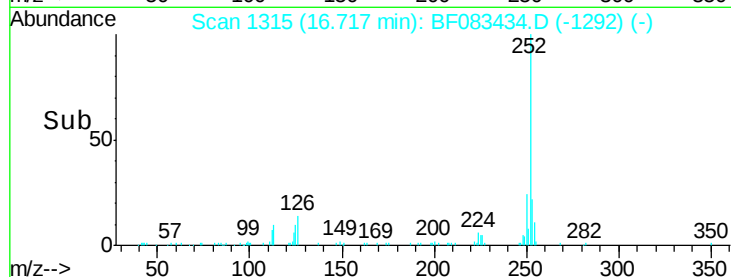
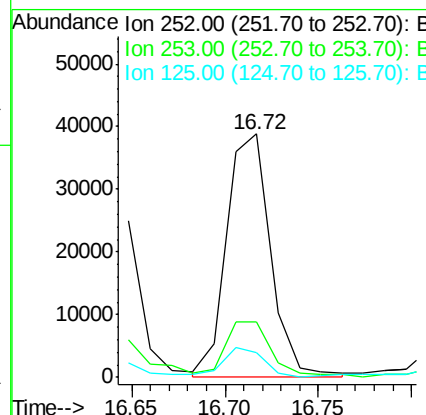
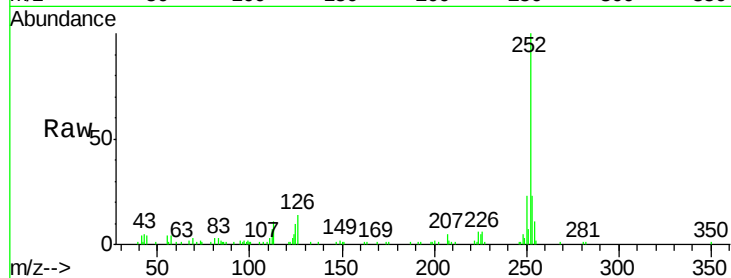
#89
Benzo(a)pyrene
Concen: 3.25 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.1	7.8	11.8

Manual Integrations
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12/3/2015 7:09:53 PM



#91
Benzo(g,h,i)perylene
Concen: 3.05 ng
RT: 18.53 min Scan# 1474
Delta R.T. -0.05 min
Lab File: BF083434.D
Acq: 2 Dec 2015 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	21.5	16.1	24.1

