

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084826.D
 Acq On : 4 Feb 2016 10:40
 Operator : SJ/IZ
 Sample : H1322-10
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B014(5-7)

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:34 PM

Quant Time: Feb 04 11:45:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	177790	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	761945	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	316499	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	527968	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	382428	20.00	ng	-0.01
86) Perylene-d12	15.21	264	355497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1211132	106.11	ng	0.00
7) Phenol-d6	6.34	99	1544007	109.11	ng	0.00
23) Nitrobenzene-d5	7.25	82	886728	65.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	296213	89.72	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1504769	77.82	ng	0.00
78) Terphenyl-d14	12.78	244	842180	49.90	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.45	163	319236	13.24	ng	Qvalue # 89
70) Phenanthrene	11.22	178	271801	9.28	ng	98
71) Anthracene	11.28	178	70241	2.38	ng	98
74) Fluoranthene	12.41	202	349992	11.81	ng	97
77) Pyrene	12.64	202	301006	10.28	ng	98
80) Benzo(a)anthracene	13.83	228	127995	5.39	ng	99
82) Chrysene	13.86	228	97929m	4.25	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	51075	2.82	ng	96
87) Benzo(b)fluoranthene	14.83	252	122221m	5.12	ng	
89) Benzo(a)pyrene	15.15	252	84914	4.17	ng	97
91) Benzo(g,h,i)perylene	16.88	276	47625	2.76	ng	99

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

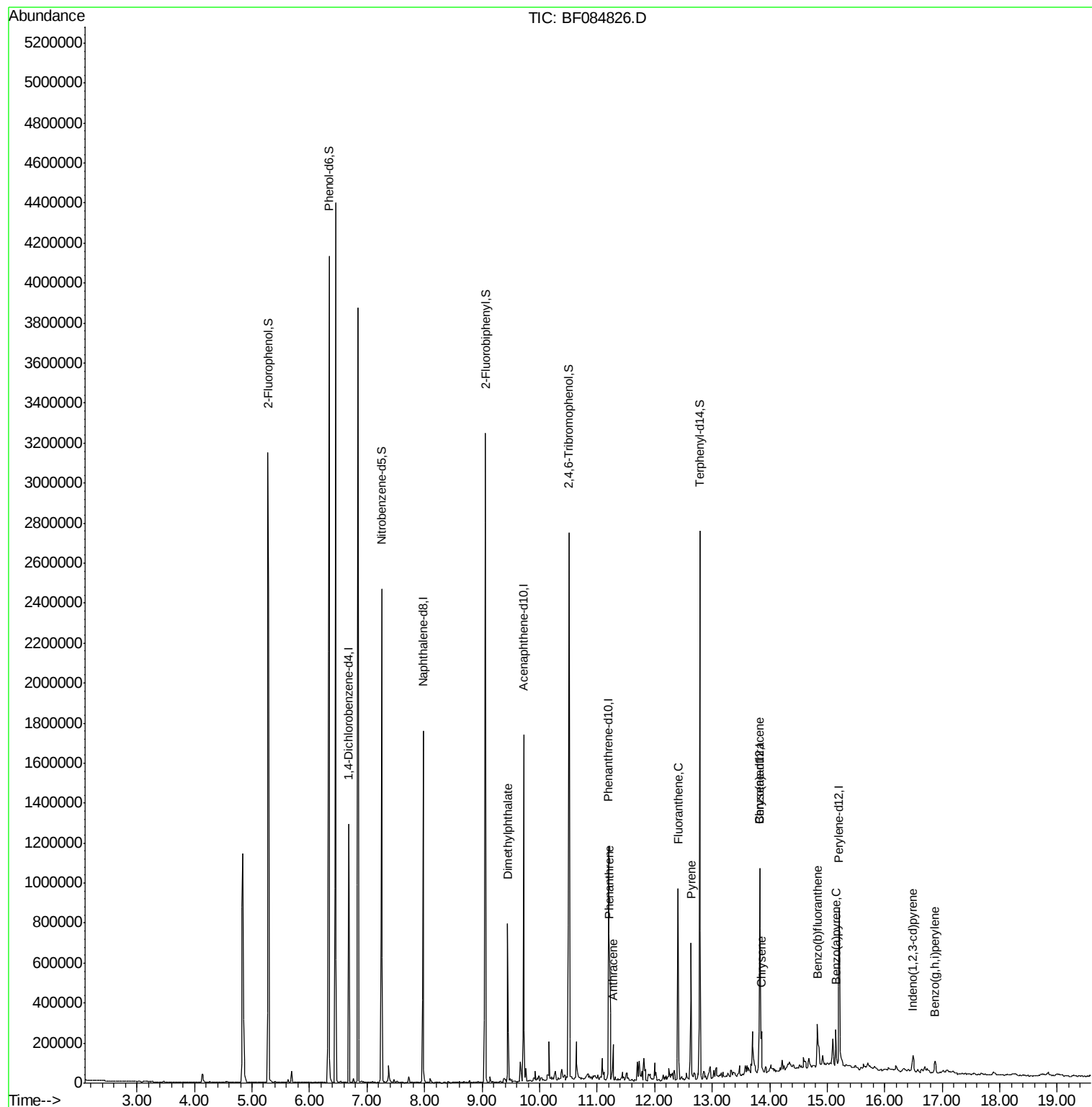
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084826.D
Acq On : 4 Feb 2016 10:40
Operator : SJ/IZ
Sample : H1322-10
Misc :
ALS Vial : 39 Sample Multiplier: 1

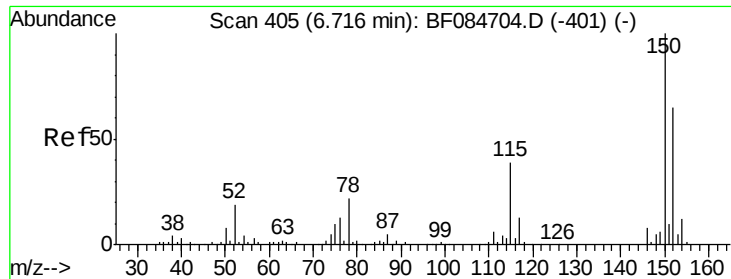
Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Manual Integrations
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#1

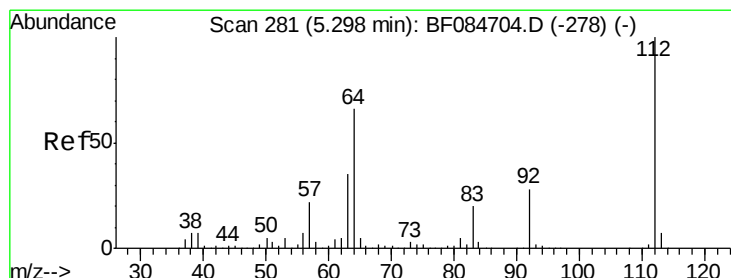
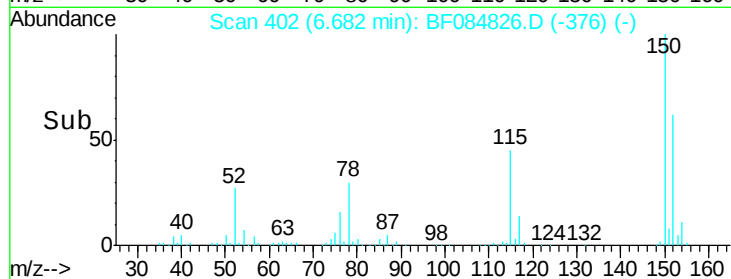
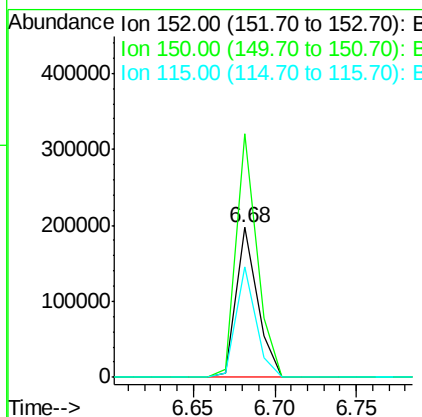
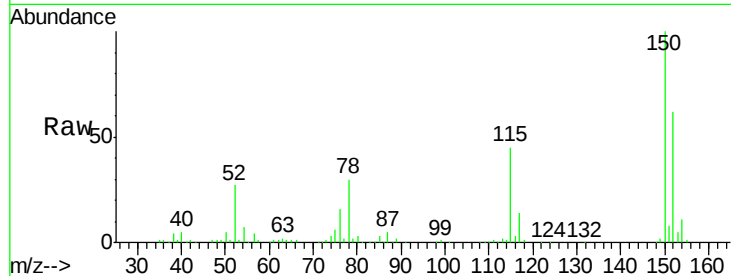
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	123.0	184.4
115	73.4	51.4	77.2

Manual Integrations
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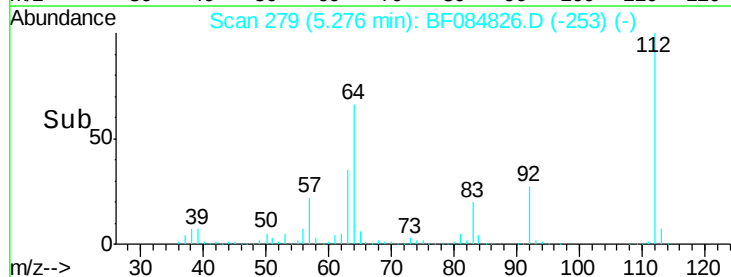
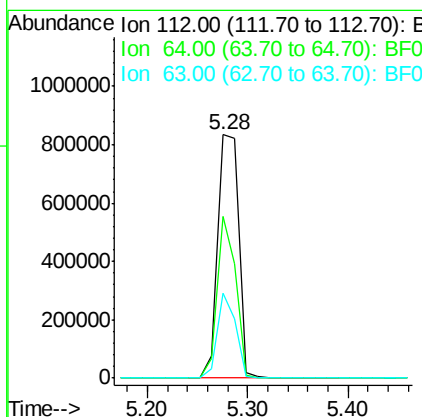
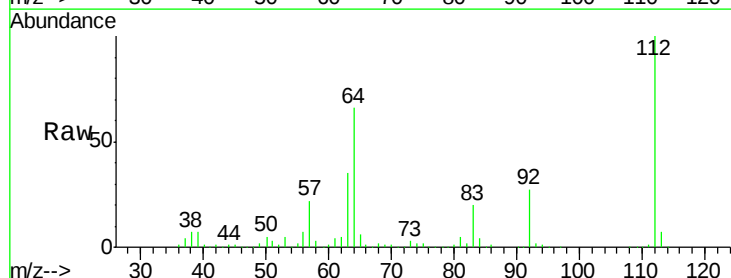
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#5

2-Fluorophenol
Concen: 106.11 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	36.6	55.0#
63	34.9	19.4	29.0#





#7

Phenol-d6

Concen: 109.11 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampleId :

S4-B014(5-7)

Tot Ion: 99 Resp: 1544007

Ion Ratio Lower Upper

99 100

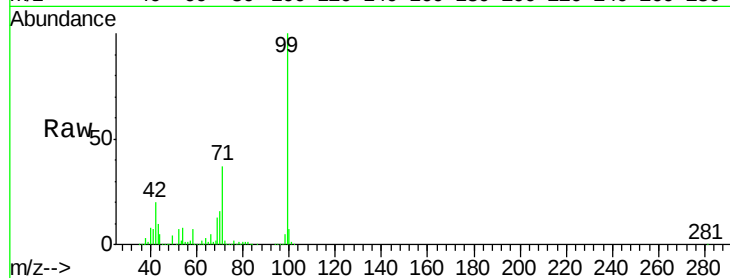
42 19.8 12.8 19.2#

71 37.4 30.9 46.3

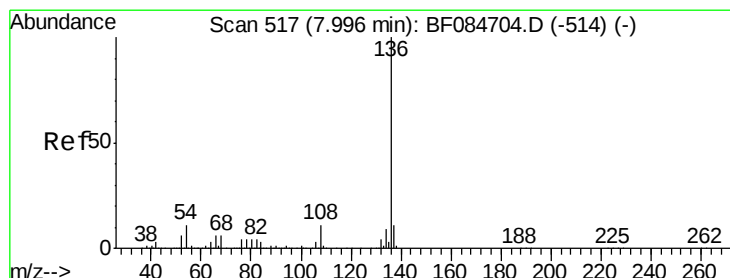
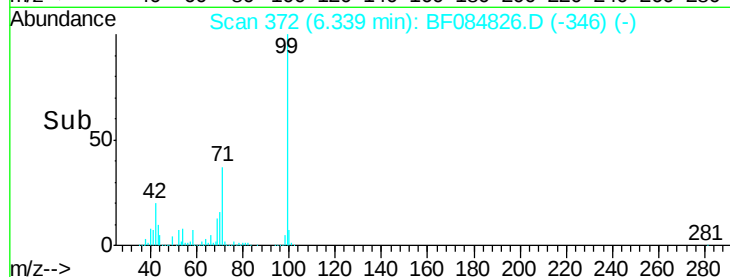
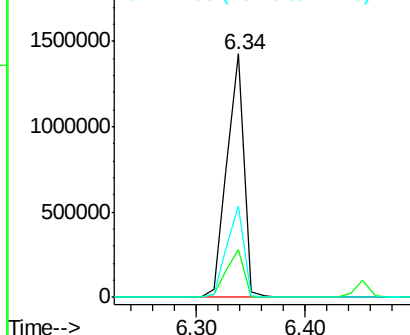
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Tgt Ion: 136 Resp: 761945

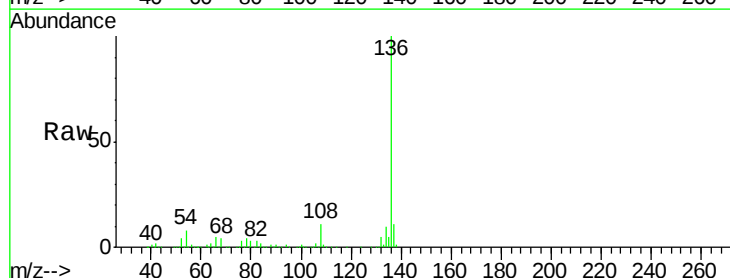
Ion Ratio Lower Upper

136 100

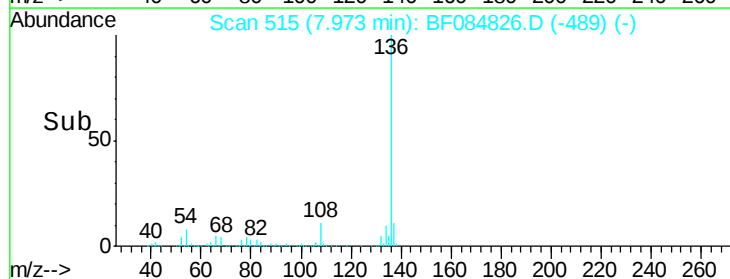
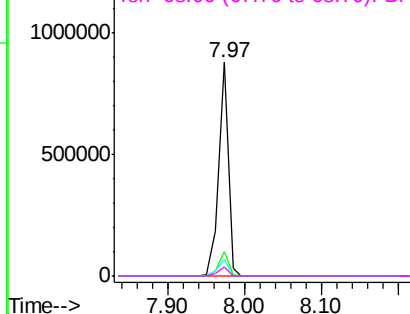
137 11.4 8.7 13.1

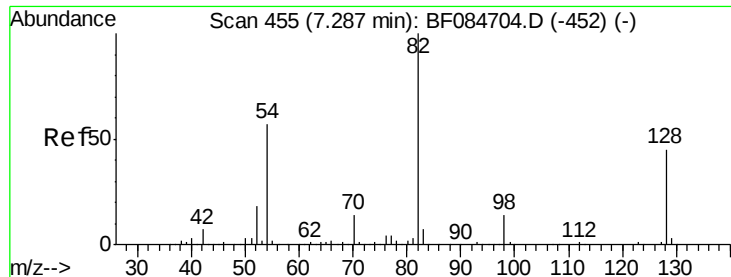
54 7.7 5.8 8.8

68 4.4 4.2 6.2



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





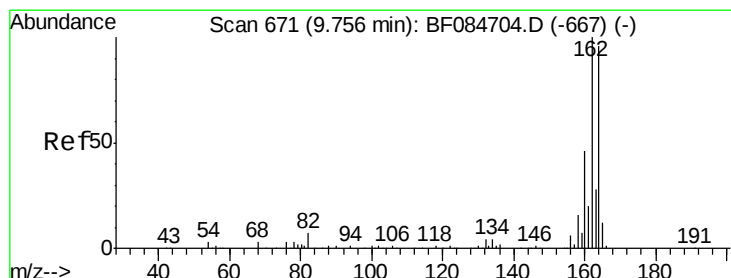
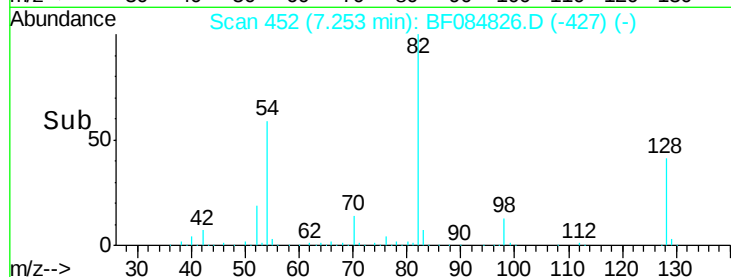
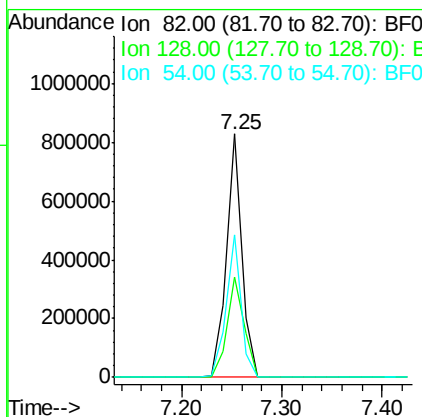
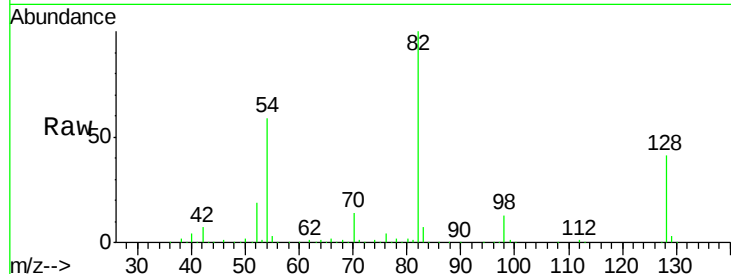
#23
Nitrobenzene-d5
Concen: 65.56 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.3	34.6	51.8	
54	58.6	38.4	57.6	

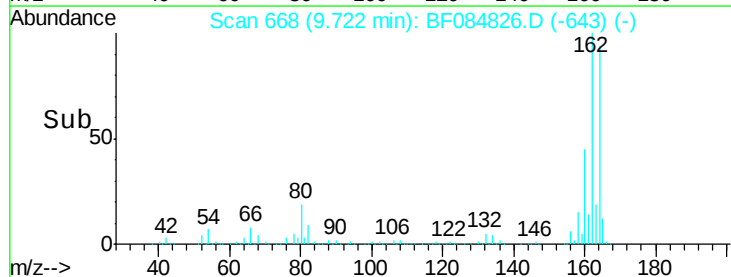
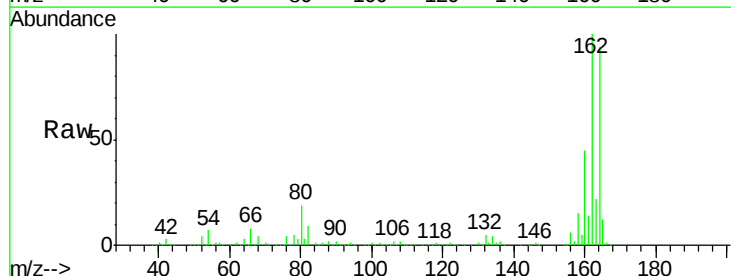
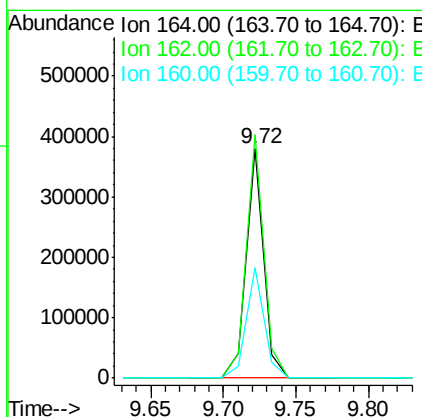
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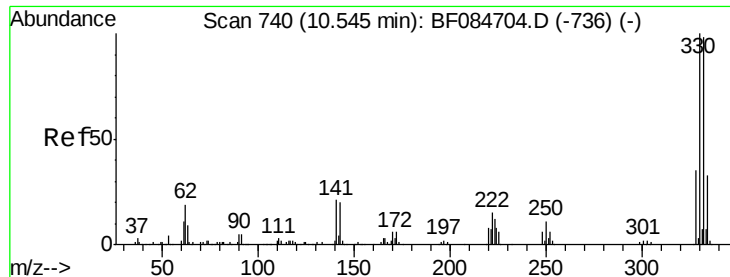
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.2	85.1	127.7	
160	47.9	37.5	56.3	





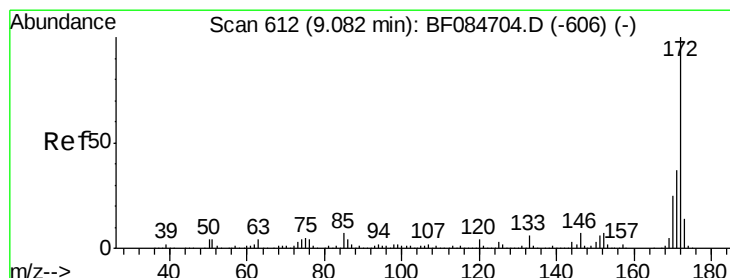
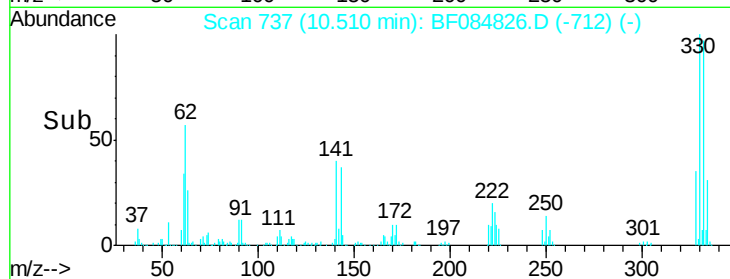
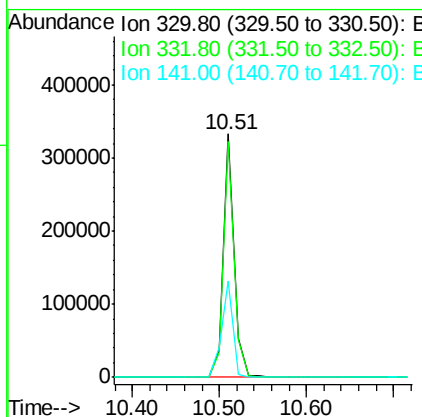
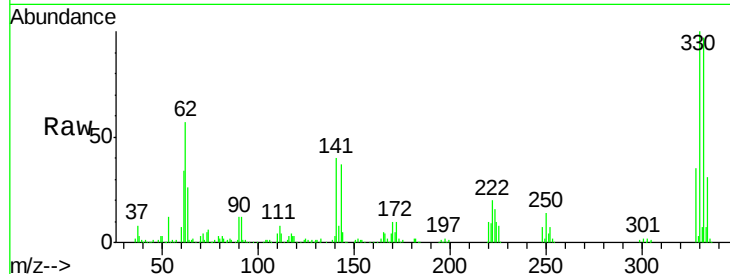
#41
 2,4,6-Tribromophenol
 Concen: 89.72 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Instrument :
 BNA_F
 ClientSampleId :
 S4-B014(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	296213		
332	96.2		76.6	114.8
141	41.7		27.8	41.6#

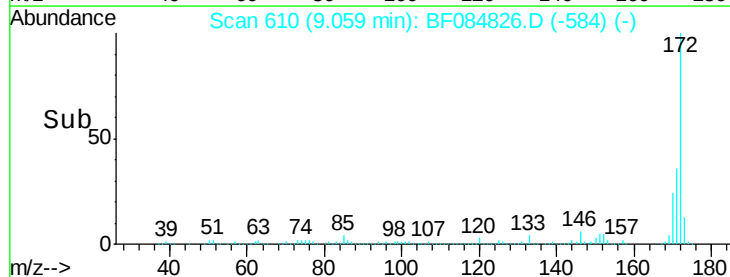
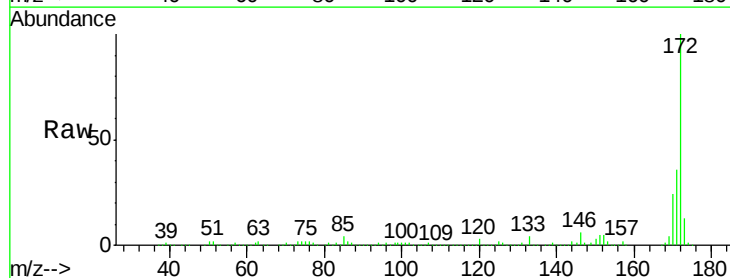
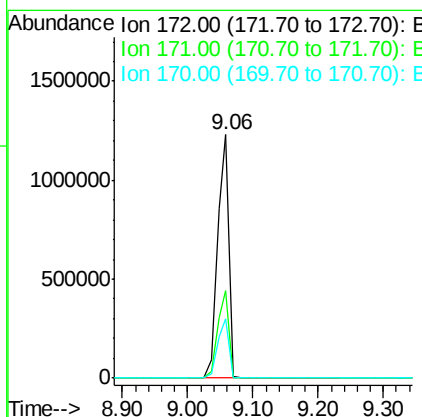
Manual Integrations
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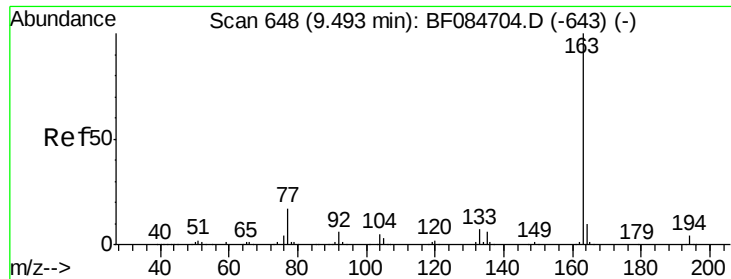
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 77.82 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1504769		
171	36.0		28.9	43.3
170	24.4		18.6	27.8





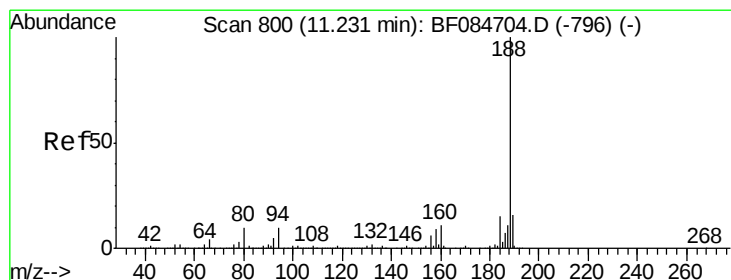
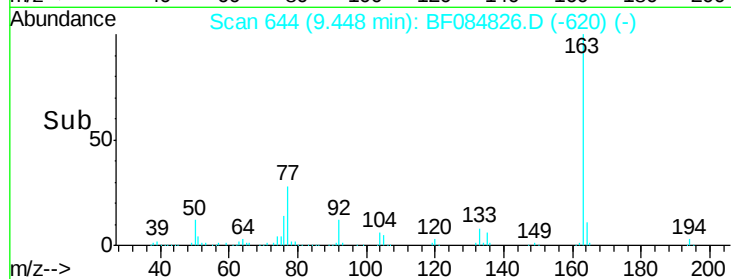
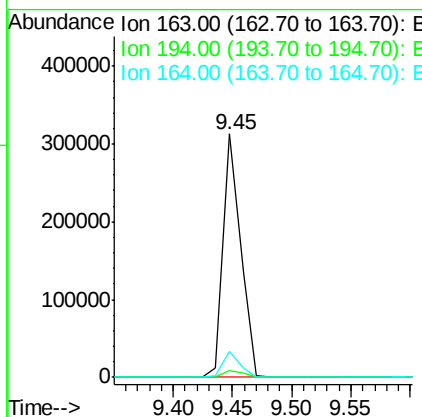
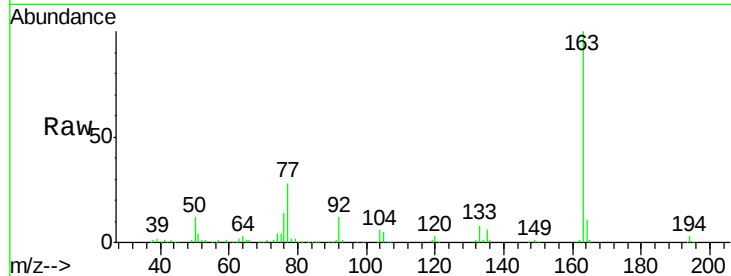
#49
Dimethylphthalate
Concen: 13.24 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	2.8	8.0	12.0#
164	10.8	8.0	12.0

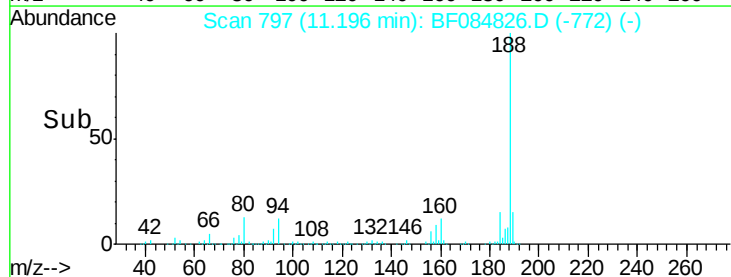
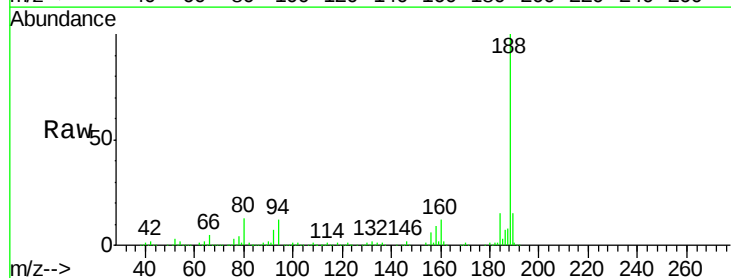
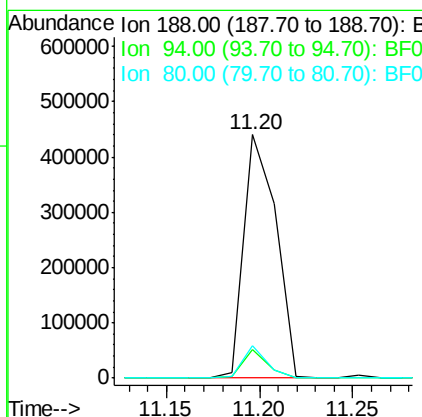
Manual Integrations
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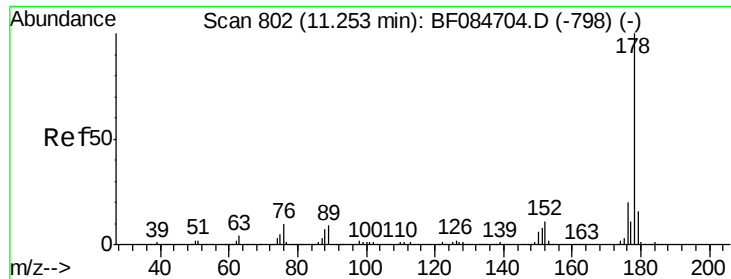
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.9	9.0	13.4
80	13.4	9.6	14.4





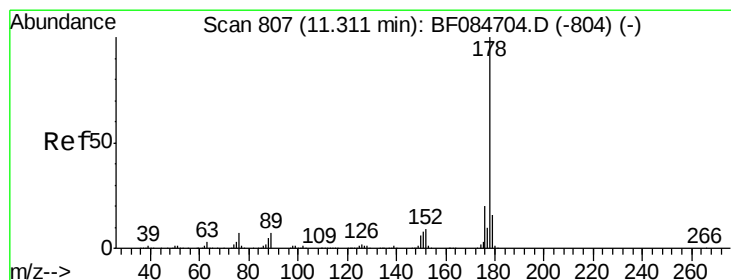
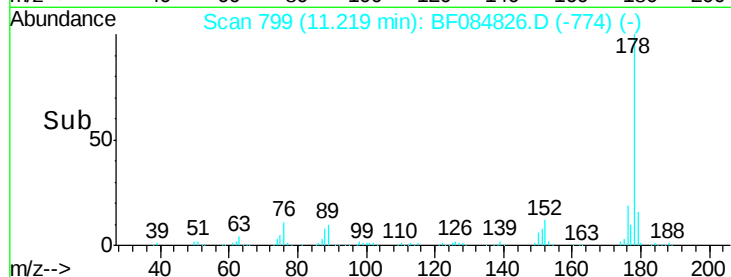
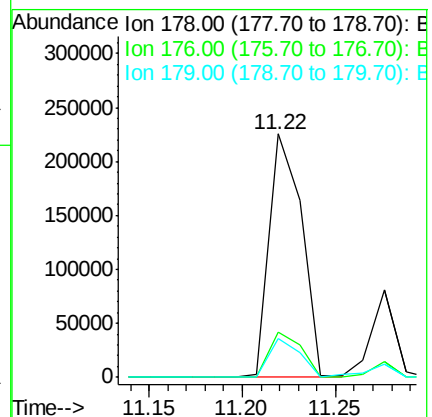
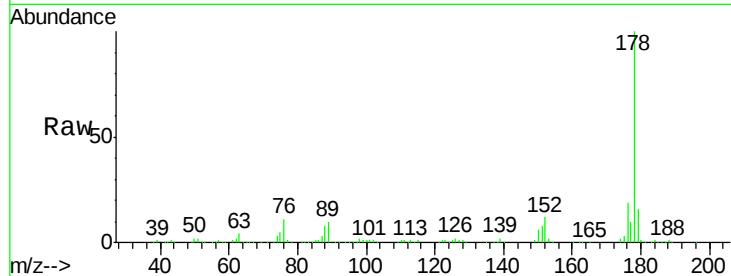
#70
Phenanthrene
Concen: 9.28 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	16.1	12.0	18.0

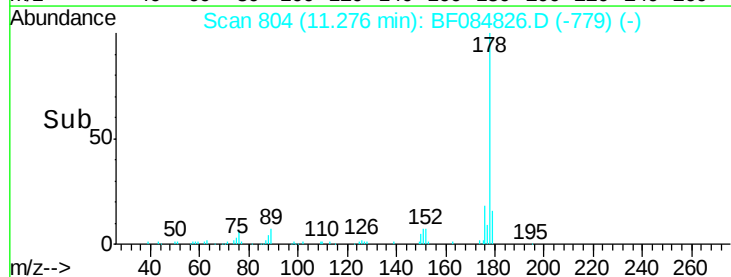
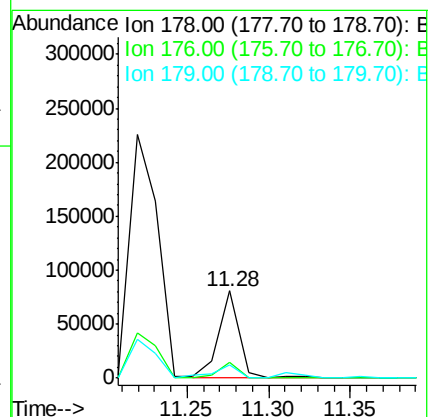
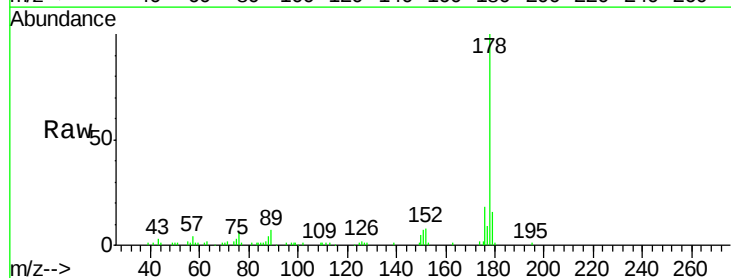
Manual Integrations
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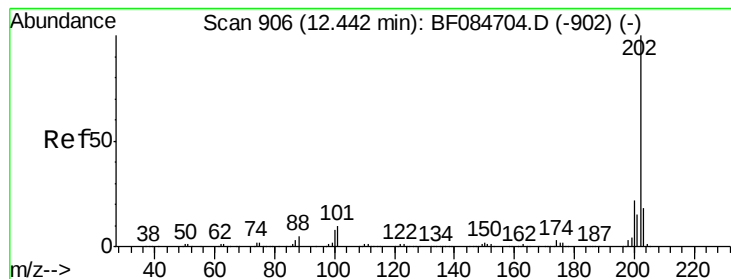
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#71
Anthracene
Concen: 2.38 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	15.7	12.5	18.7





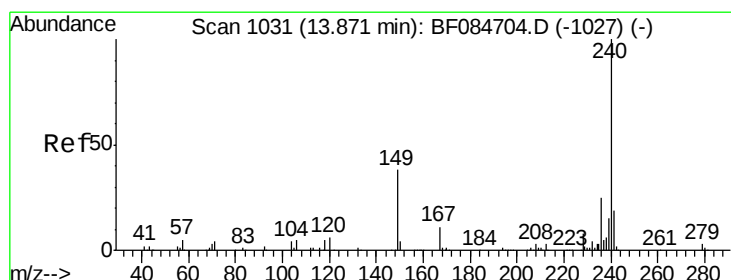
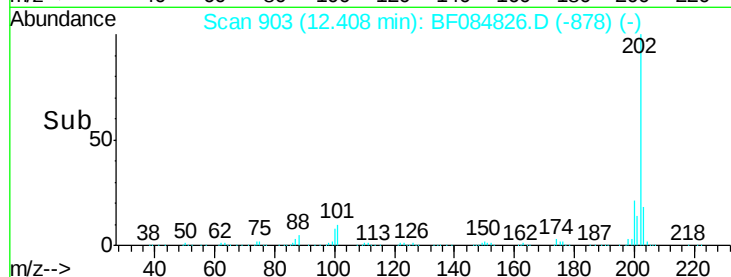
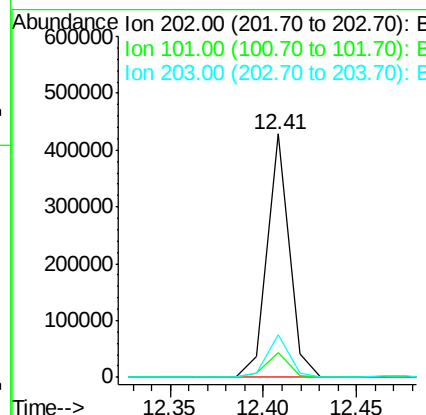
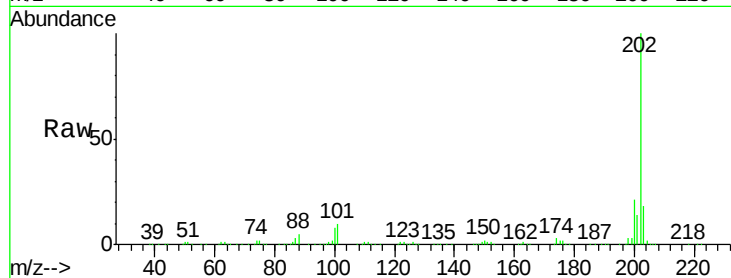
#74
Fluoranthene
Concen: 11.81 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	32.8
203	17.6	0.0	37.9

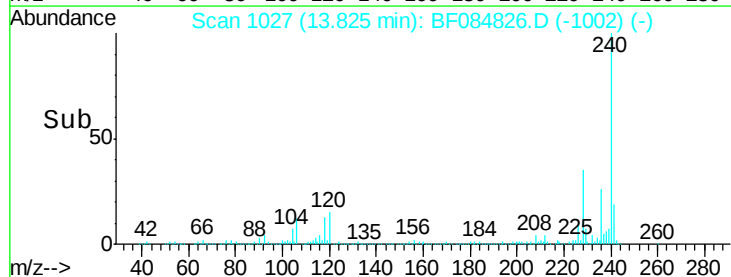
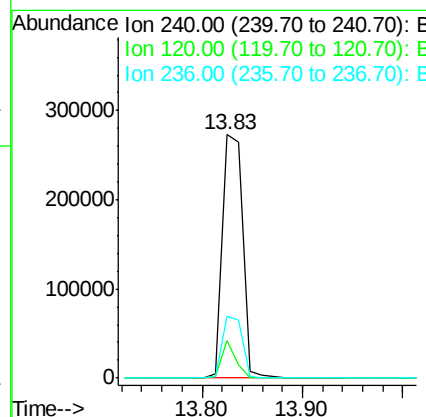
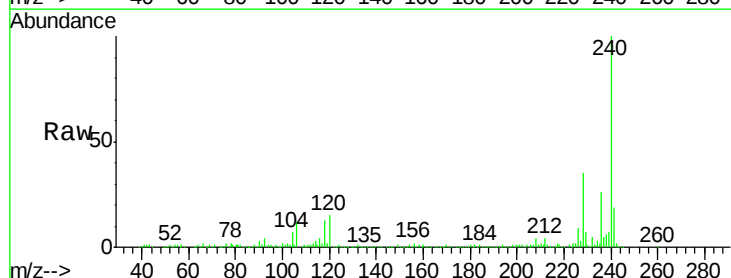
Manual Integrations
APPROVED

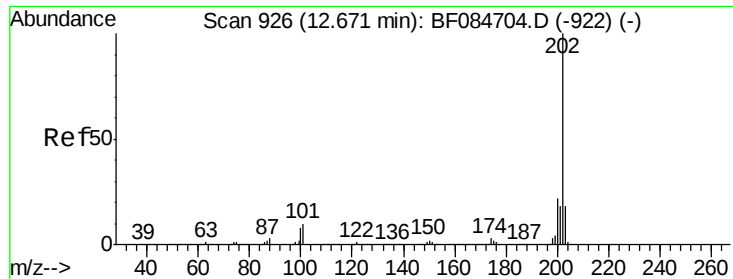
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	25.6	20.6	31.0





#77

Pvrene

Concen: 10.28 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

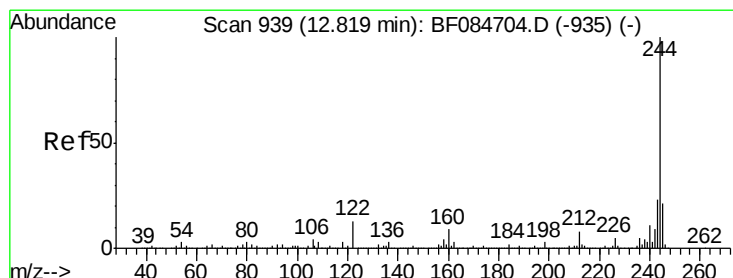
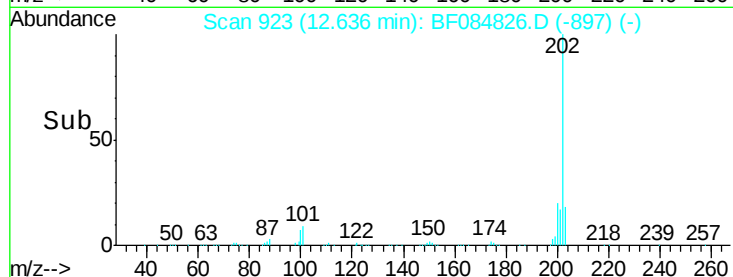
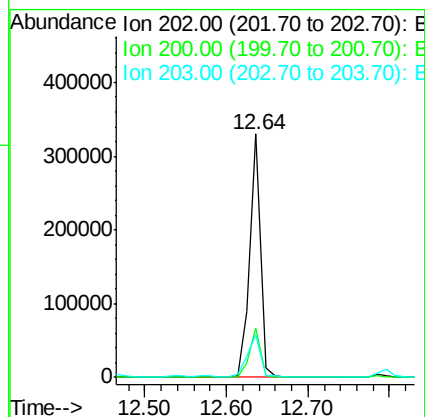
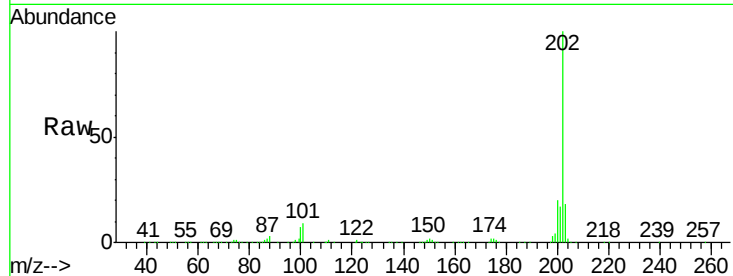
ClientSampleId :

S4-B014(5-7)

Tot Ion:	202	Resp:	301006
Ion Ratio		Lower	Upper
202	100		
200	20.0	17.2	25.8
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 49.90 ng

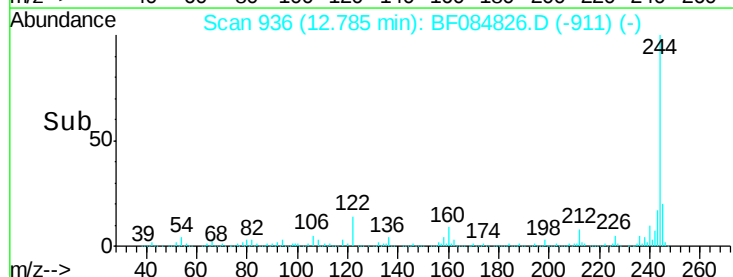
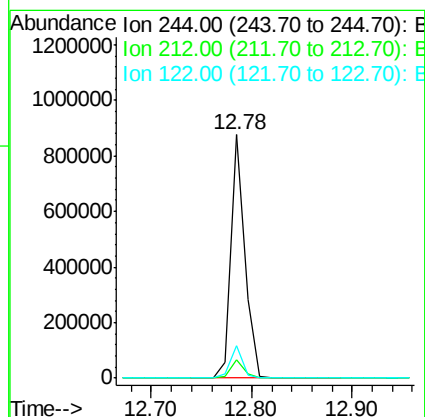
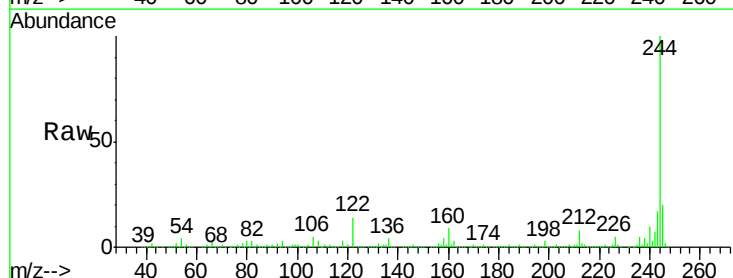
RT: 12.78 min Scan# 936

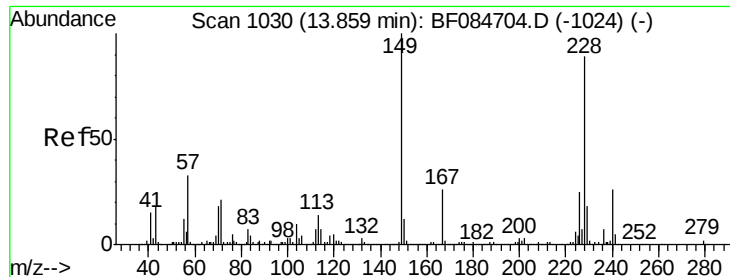
Delta R.T. -0.01 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Tgt Ion:	244	Resp:	842180
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.7	8.5
122	13.5	7.4	11.0#





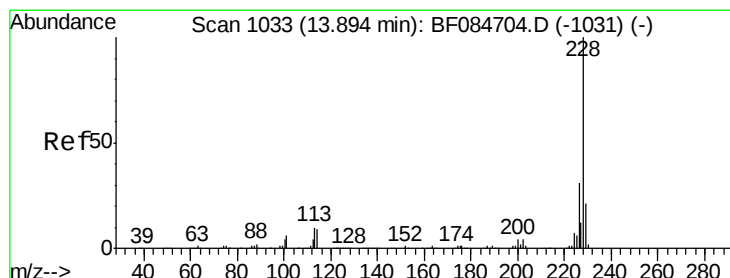
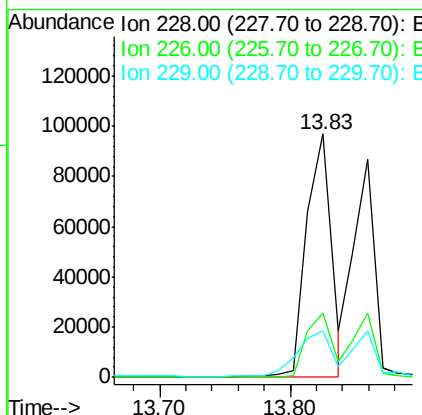
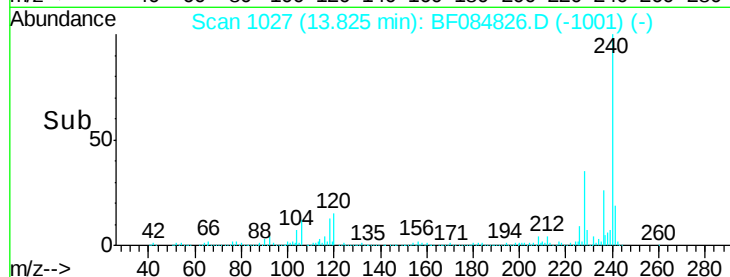
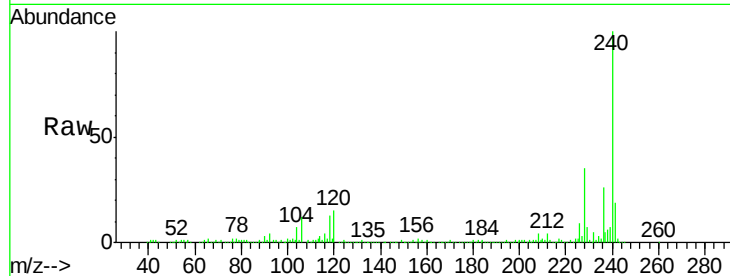
#80
 Benzo(a)anthracene
 Concen: 5.39 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Instrument :
 BNA_F
 ClientSampleId :
 S4-B014(5-7)

Tot Ion:	228	Resp:	127995
Ion Ratio		Lower	Upper
228	100		
226	26.3	21.8	32.6
229	19.3	15.8	23.8

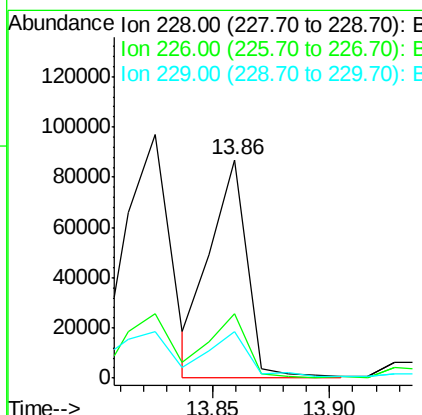
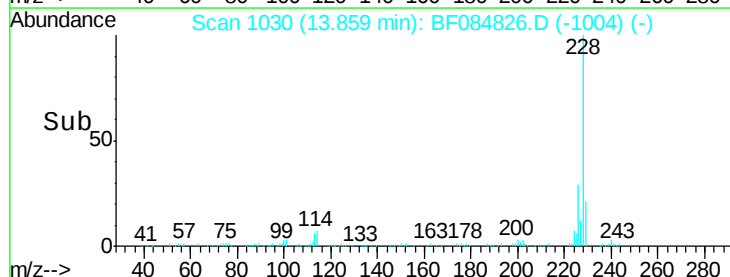
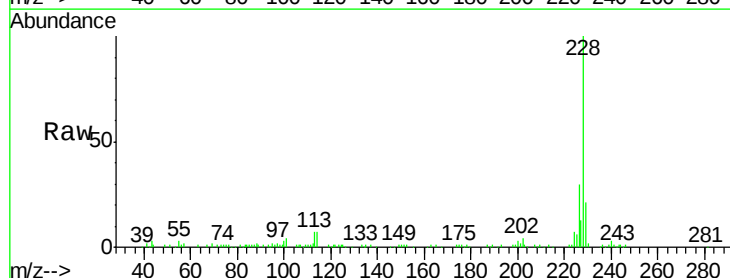
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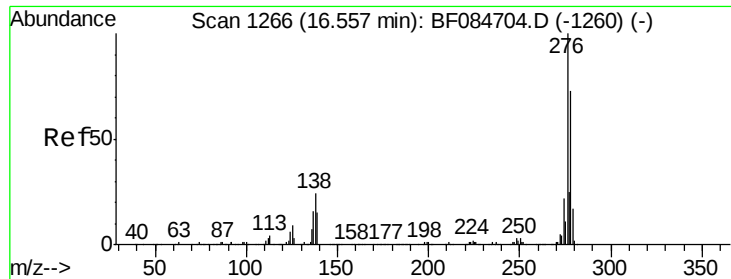
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#82
 Chrysene
 Concen: 4.25 ng m
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Tgt Ion:	228	Resp:	97929
Ion Ratio		Lower	Upper
228	100		
226	29.7	24.3	36.5
229	21.3	16.1	24.1





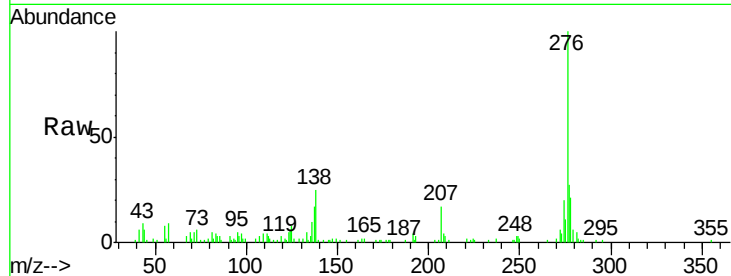
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.82 ng
RT: 16.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

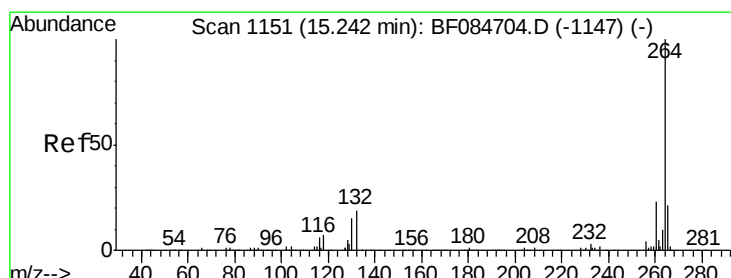
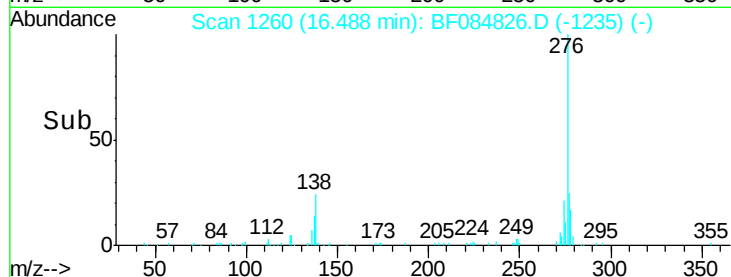
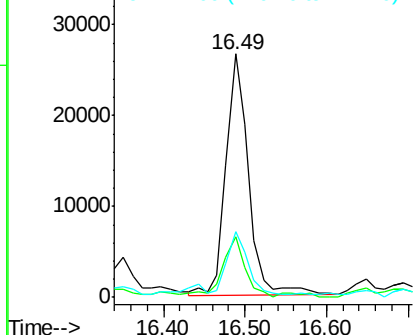
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.6	30.8
277	29.1	20.1	30.1

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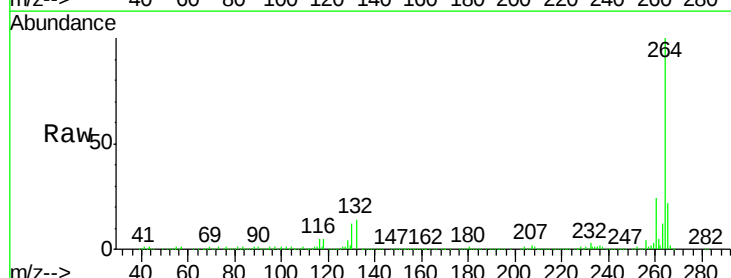


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

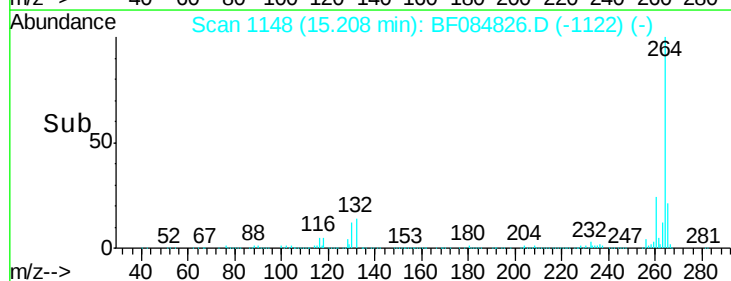
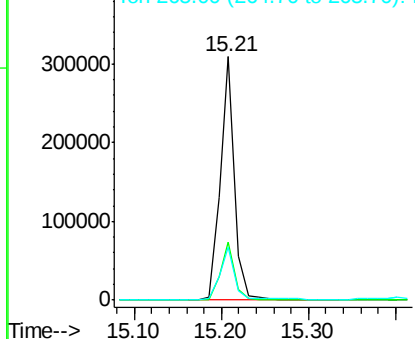


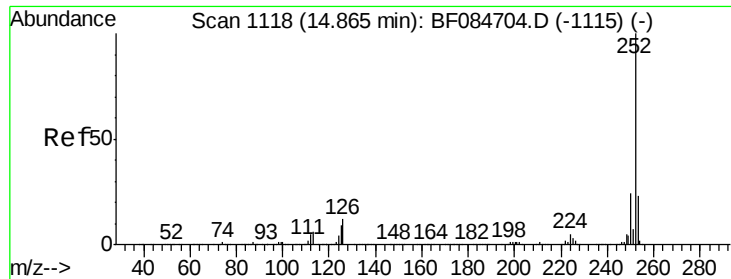
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.5	17.8	26.6



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





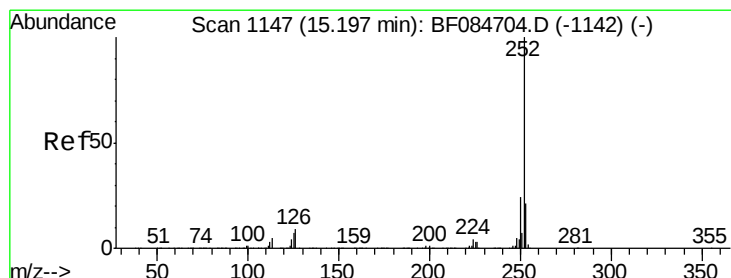
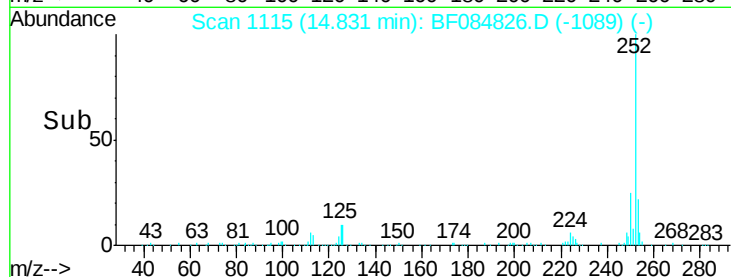
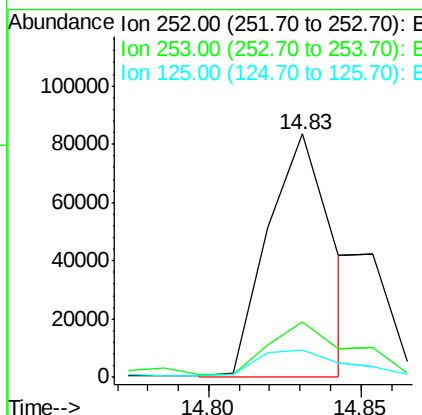
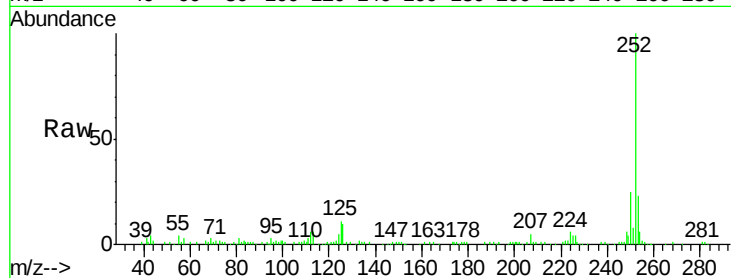
#87
Benzo(b)fluoranthene
Concen: 5.12 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :
S4-B014(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	11.1	6.5	9.7

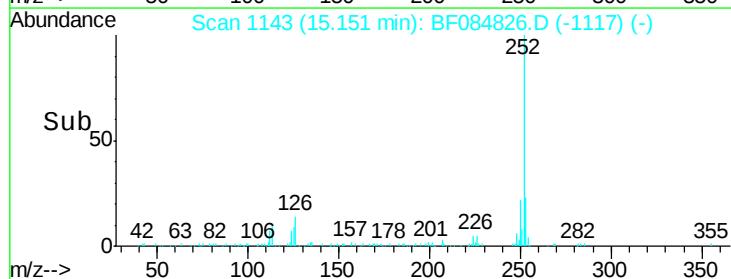
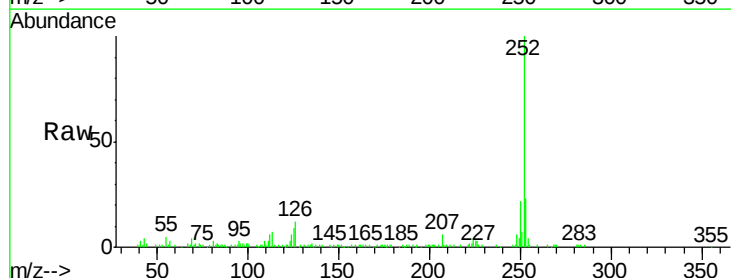
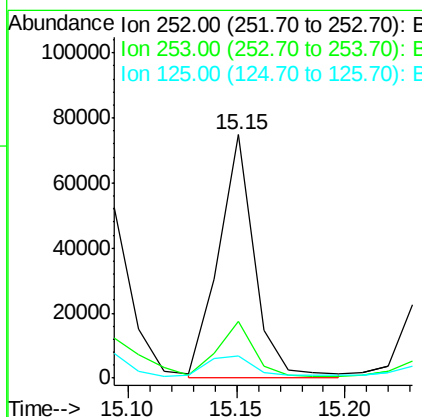
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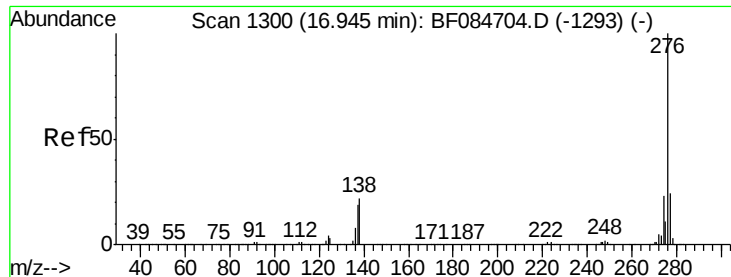
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#89
Benzo(a)pyrene
Concen: 4.17 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	8.9	7.0	10.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.76 ng
 RT: 16.88 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Instrument :
 BNA_F
 ClientSampleId :
 S4-B014(5-7)

Tot Ion:	276	Resp:	47625
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.8	17.8	26.6

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