

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
 Data File : BF081035.D
 Acq On : 18 Aug 2015 7:56
 Operator : UM/IZ
 Sample : G3310-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS01-0012-01

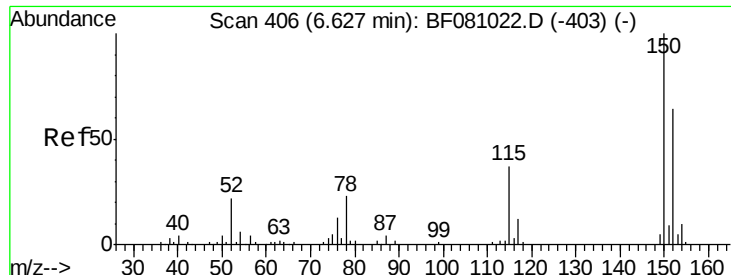
Manual Integrations
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 8/18/2015 5:13:31 PM

Quant Time: Aug 18 13:22:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	61215	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	215147	20.00	ng	0.01
38) Acenaphthene-d10	9.66	164	85008	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	159848m	20.00	ng	0.00
75) Chrysene-d12	13.77	240	113352	20.00	ng	0.02
86) Perylene-d12	15.12	264	81787	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	392687	96.49	ng	0.02
7) Phenol-d6	6.27	99	542895	102.24	ng	0.01
23) Nitrobenzene-d5	7.20	82	380203	80.73	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	69448	94.25	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	489480	75.45	ng	0.00
78) Terphenyl-d14	12.78	244	202664	38.33	ng	0.07
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	7.86	180	17520	5.17	ng	97
48) Acenaphthylene	9.52	152	85779	7.97	ng	99
49) Dimethylphthalate	9.39	163	102855	14.69	ng	99
70) Phenanthrene	11.16	178	23678	2.50	ng	96
71) Anthracene	11.21	178	47610	5.16	ng	99
74) Fluoranthene	12.39	202	67260	6.58	ng	93
77) Pyrene	12.62	202	89757	9.74	ng	98
80) Benzo(a)anthracene	13.77	228	52709	6.93	ng	# 58
82) Chrysene	13.81	228	44989m	6.57	ng	
83) Bis(2-ethylhexyl)phthalate	13.77	149	22225	4.38	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.34	276	31622	6.57	ng	96
87) Benzo(b)fluoranthene	14.75	252	69432m	12.00	ng	
88) Benzo(k)fluoranthene	14.77	252	15145m	2.81	ng	
89) Benzo(a)pyrene	15.06	252	46218	9.17	ng	# 91
90) Dibenzo(a,h)anthracene	16.35	278	8356m	2.13	ng	
91) Benzo(g,h,i)perylene	16.72	276	48348	12.13	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF081035.D

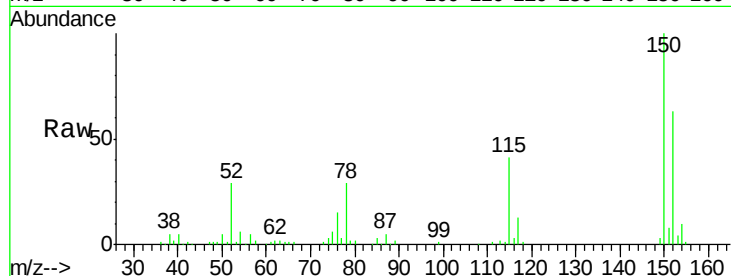
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Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 61215

Ion Ratio Lower Upper

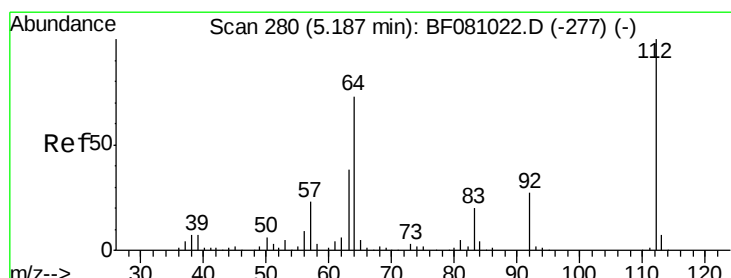
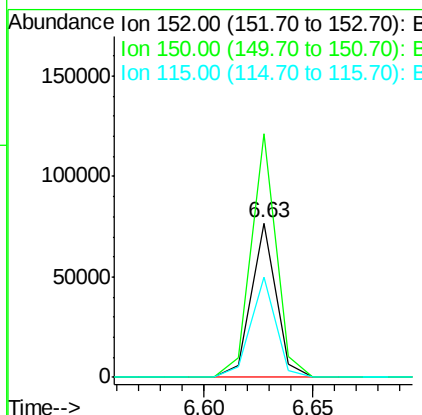
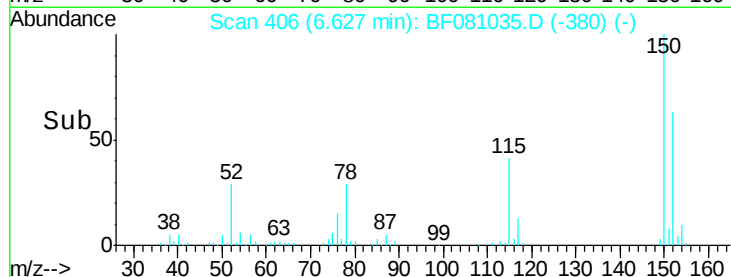
152 100

150 158.0 123.8 185.6

115 64.8 52.1 78.1

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#5

2-Fluorophenol

Concen: 96.49 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

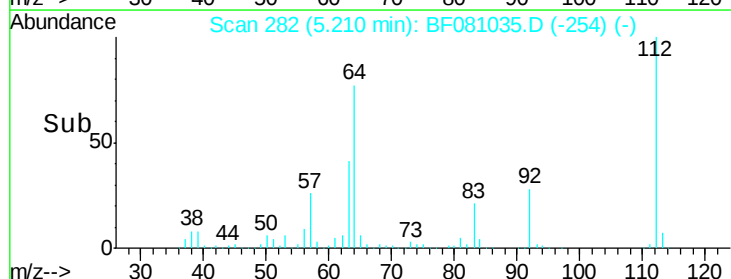
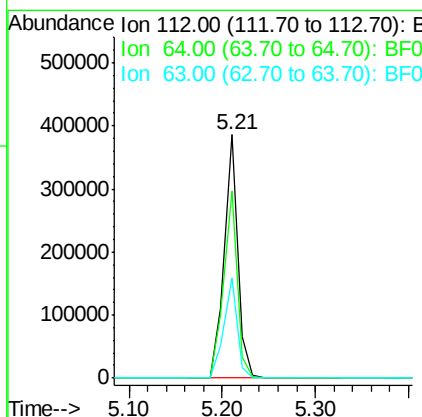
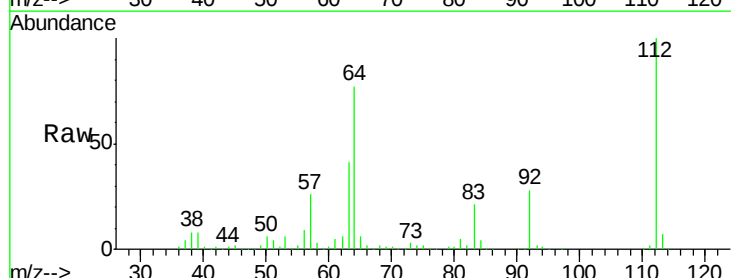
Tgt Ion:112 Resp: 392687

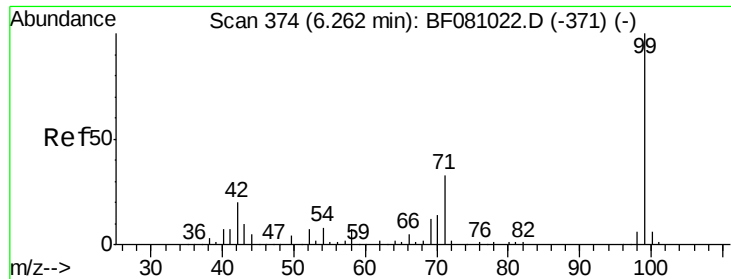
Ion Ratio Lower Upper

112 100

64 77.1 66.9 100.3

63 41.1 38.1 57.1





#7

Phenol-d6

Concen: 102.24 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

Instrument :

BNA_F

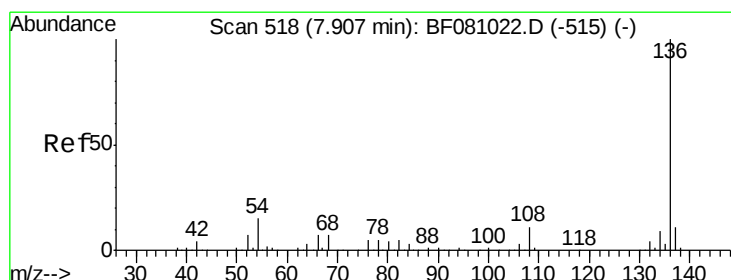
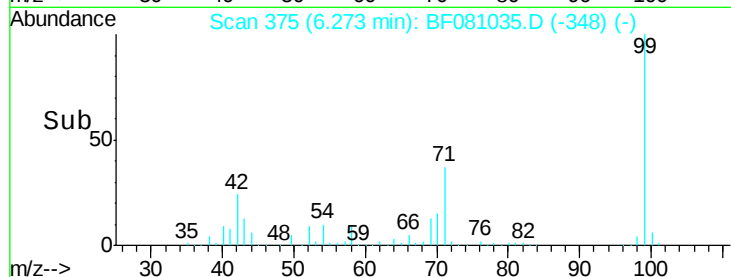
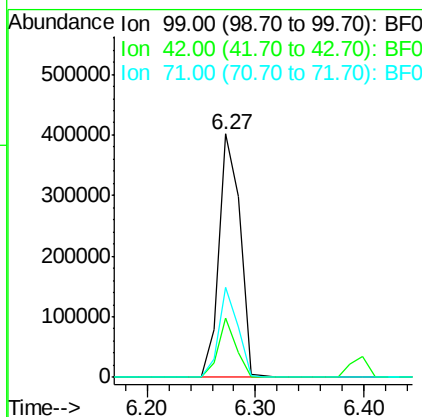
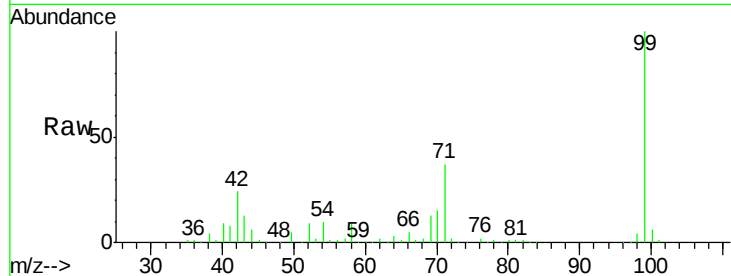
ClientSampleId :

P001-DS01-0012-01

Tgt Ion:	99	Resp:	542895
Ion Ratio	Lower	Upper	
99	100		
42	24.3	19.6	29.4
71	37.0	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

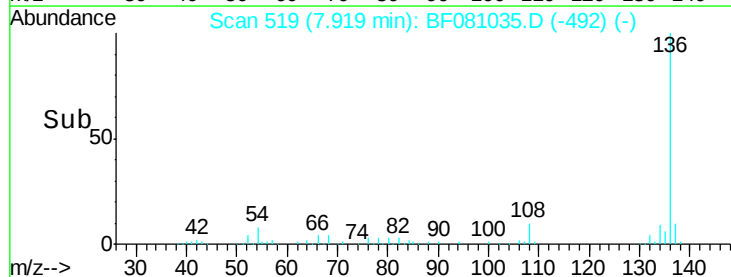
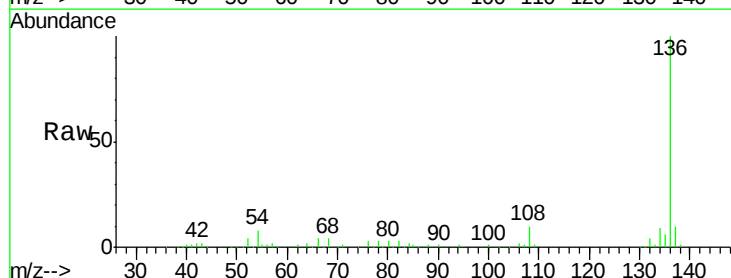
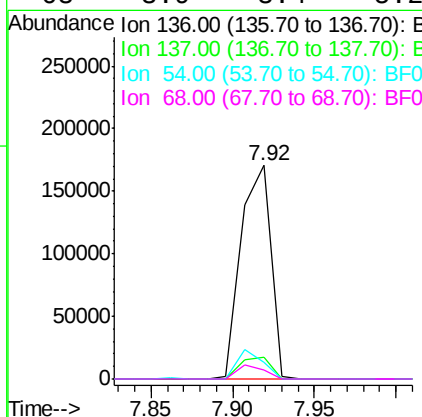
RT: 7.92 min Scan# 519

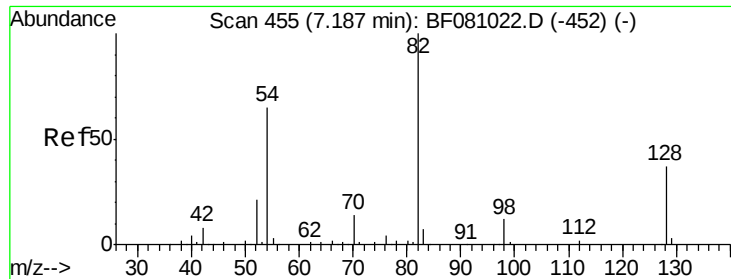
Delta R.T. 0.01 min

Lab File: BF081035.D

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Tgt Ion:	136	Resp:	215147
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.2
54	7.5	7.7	11.5#
68	3.9	3.4	5.2





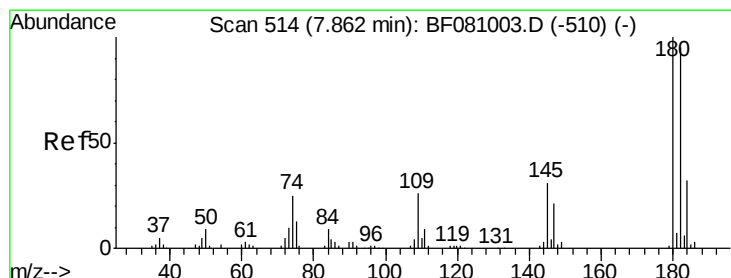
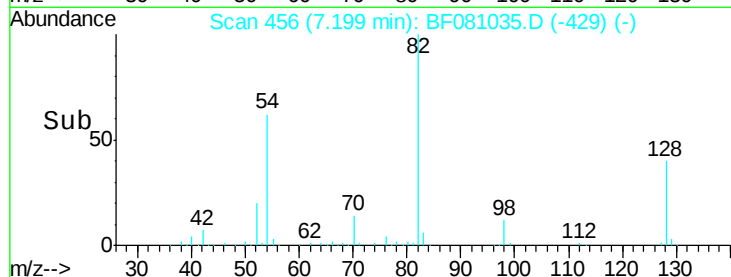
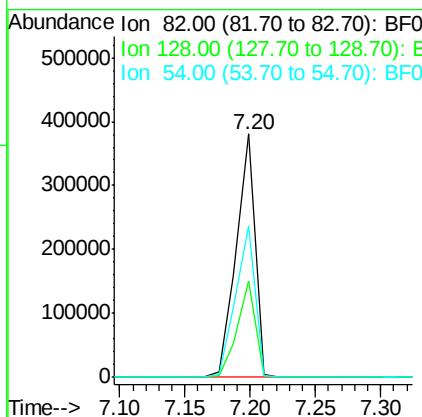
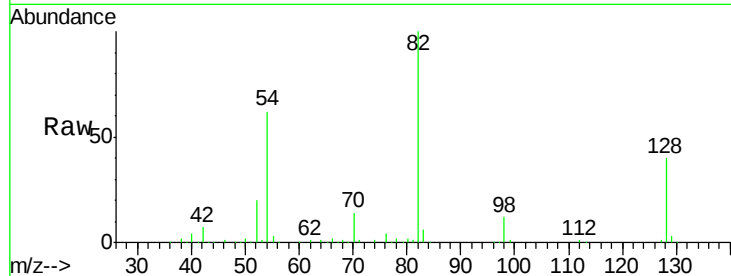
#23
 Nitrobenzene-d5
 Concen: 80.73 ng
 RT: 7.20 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS01-0012-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	380203		
128	39.5	28.6	42.8	
54	62.2	55.1	82.7	

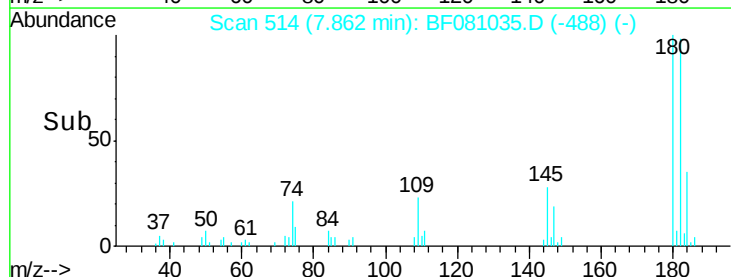
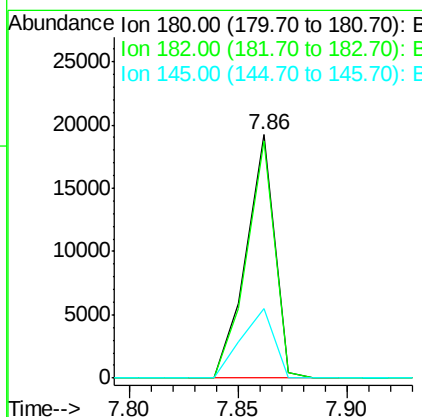
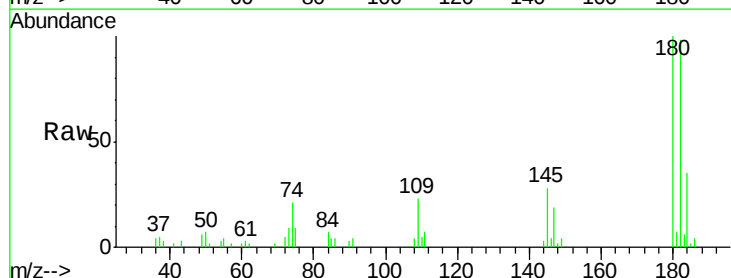
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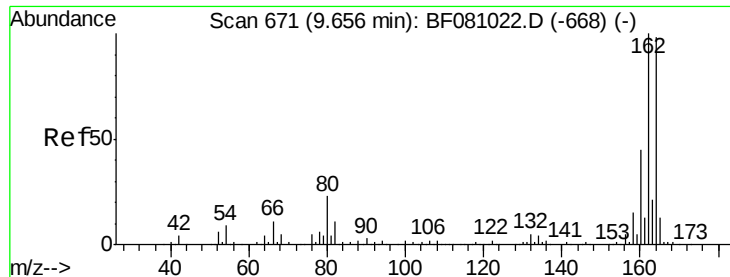
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#30
 1,2,4-Trichlorobenzene
 Concen: 5.17 ng
 RT: 7.86 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17520		
182	97.5	76.4	114.6	
145	28.3	25.4	38.2	





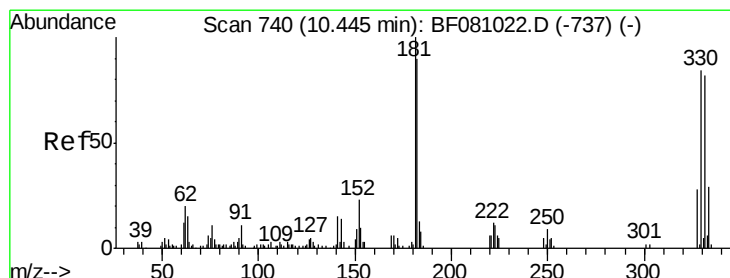
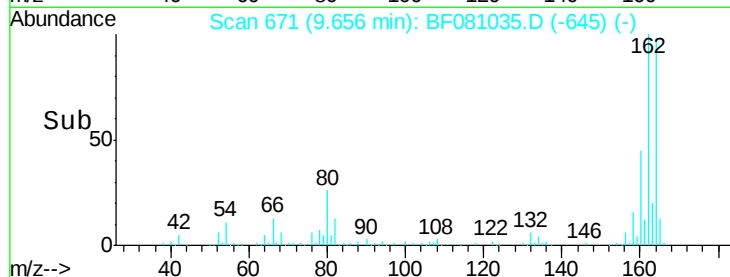
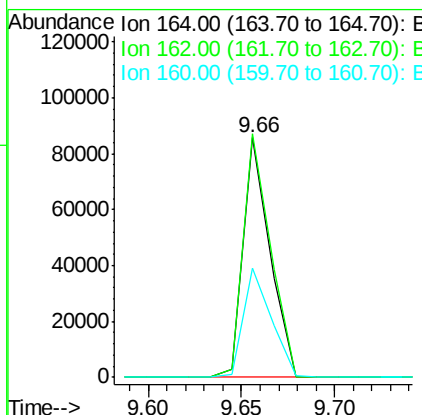
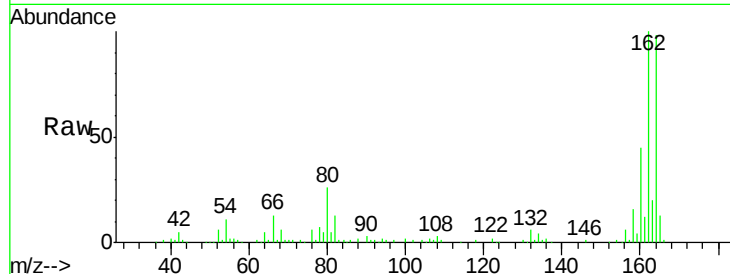
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS01-0012-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85008		
162	101.6	83.8	125.8	
160	45.6	39.8	59.8	

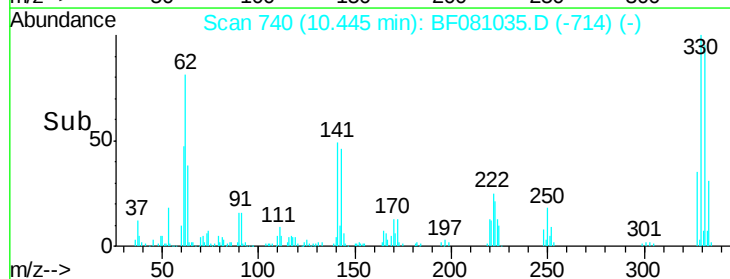
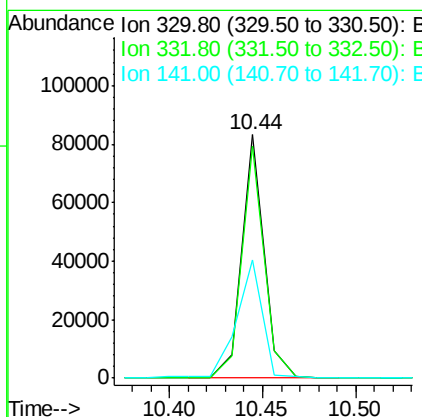
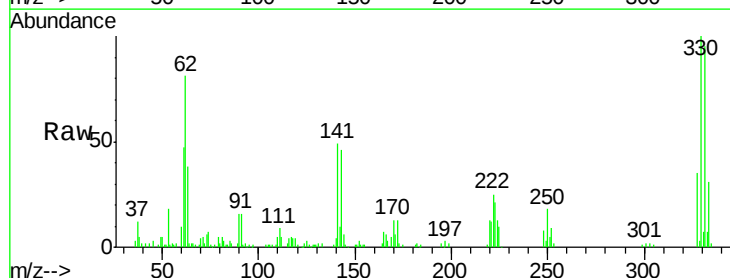
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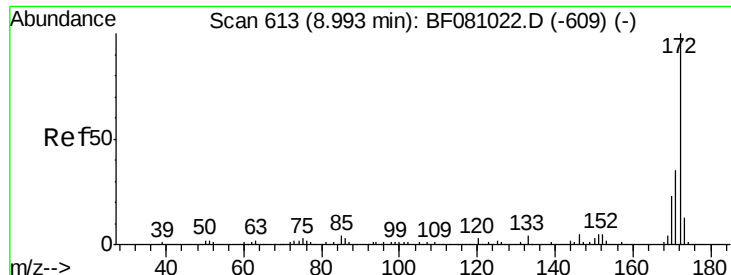
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#41
 2,4,6-Tribromophenol
 Concen: 94.25 ng
 RT: 10.44 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

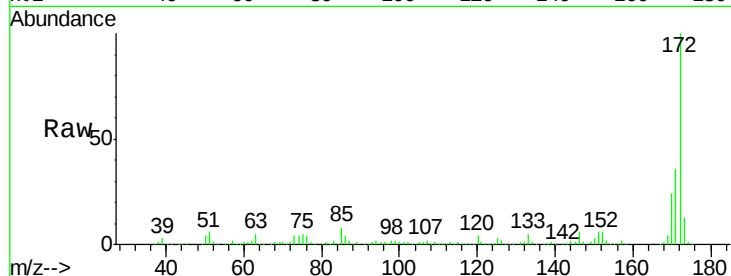
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	69448		
332	95.5	77.3	115.9	
141	57.6	44.9	67.3	





#44
 2-Fluorobiphenyl
 Concen: 75.45 ng
 RT: 8.99 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

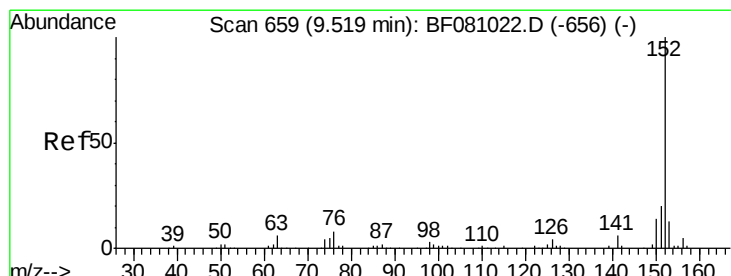
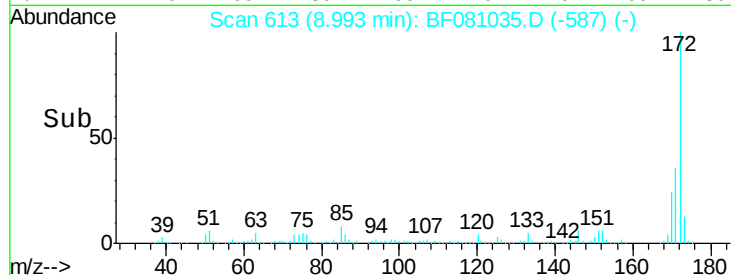
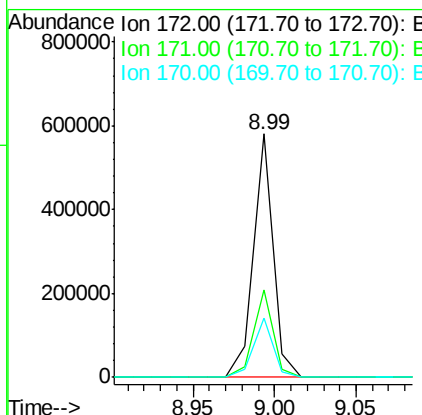
Instrument :
 BNA_F
 ClientSampleId :
 P001-DS01-0012-01



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	489480		
171	35.7	28.9	43.3	
170	24.2	19.4	29.2	

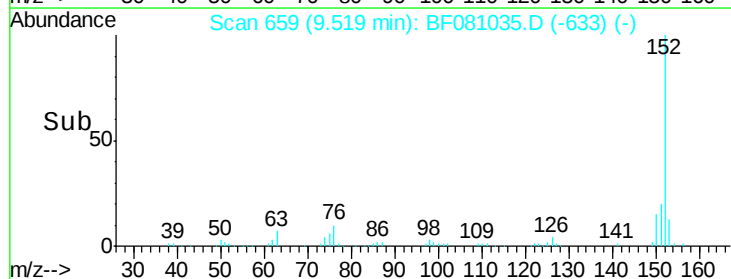
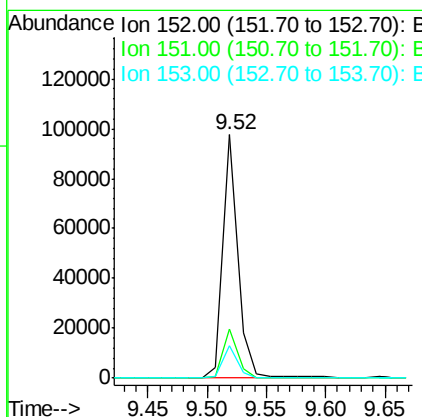
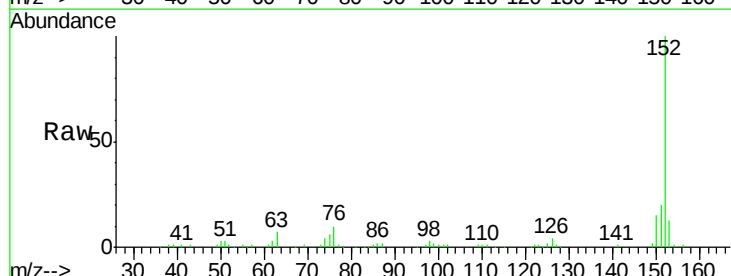
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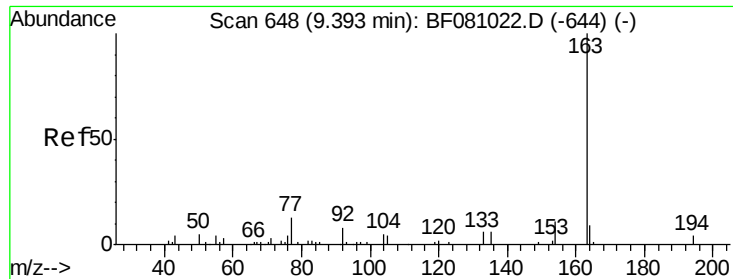
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#48
 Acenaphthylene
 Concen: 7.97 ng
 RT: 9.52 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	85779		
151	20.2	16.1	24.1	
153	13.5	9.8	14.6	





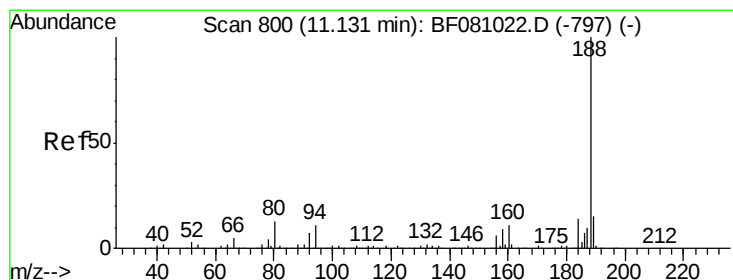
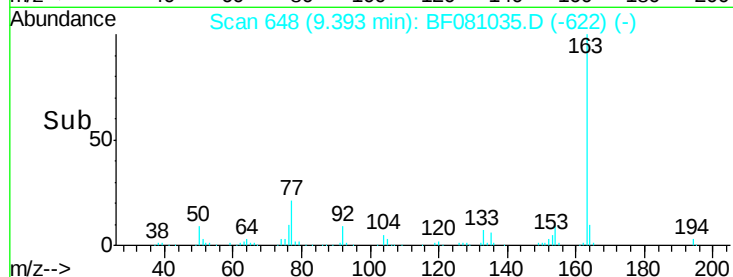
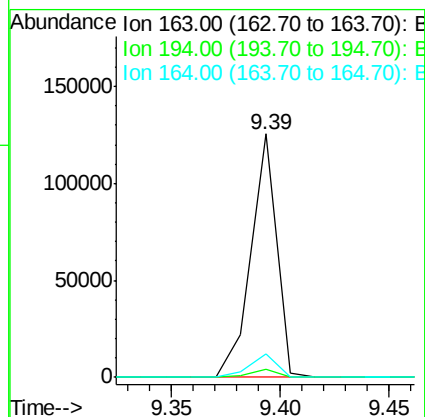
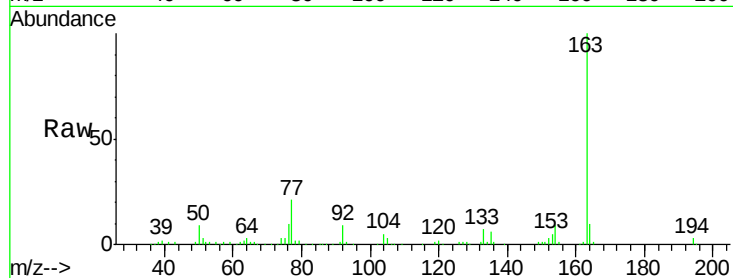
#49
Dimethylphthalate
Concen: 14.69 ng
RT: 9.39 min Scan# 648
Delta R.T. -0.00 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Instrument :
BNA_F
ClientSampleId :
P001-DS01-0012-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.5	3.7
164	9.9	8.1	12.1

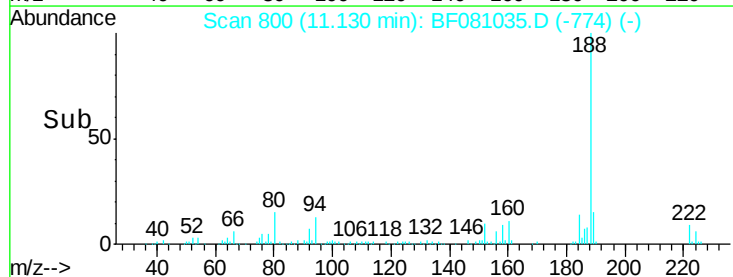
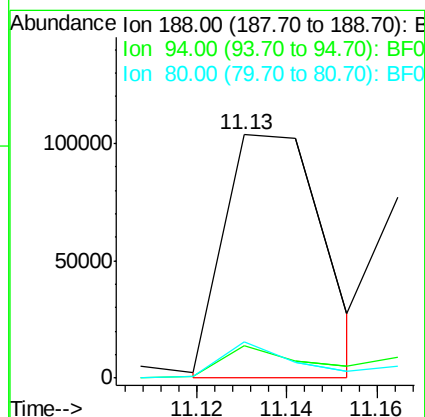
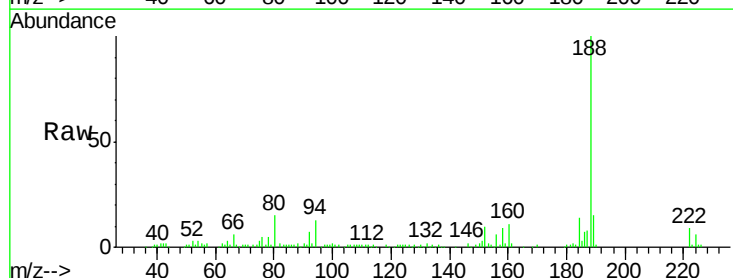
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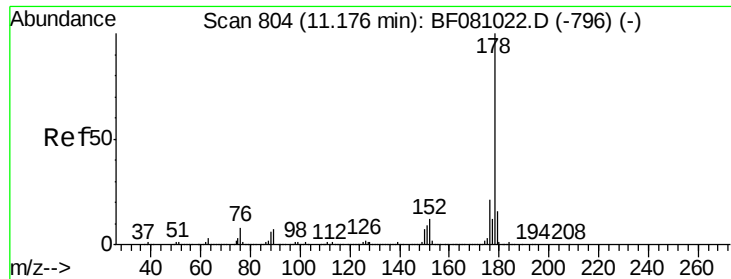
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#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 11.13 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.3	8.2	12.2#
80	14.8	9.5	14.3#





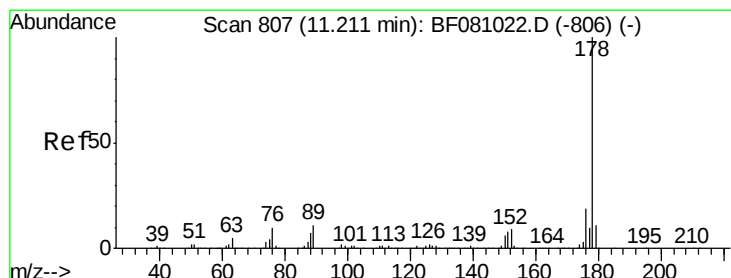
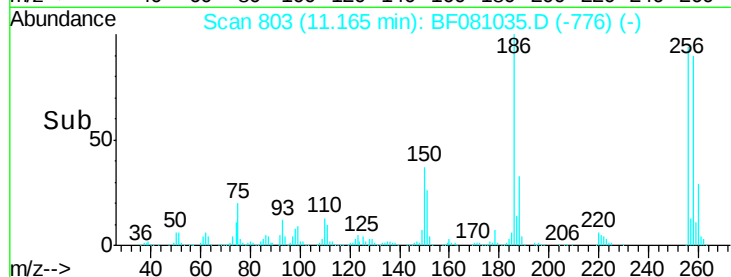
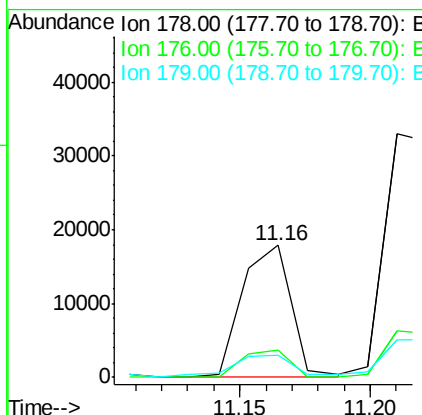
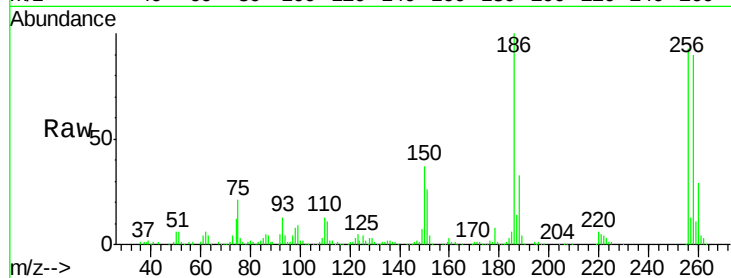
#70
Phenanthrene
Concen: 2.50 ng
RT: 11.16 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Instrument :
BNA_F
ClientSampleId :
P001-DS01-0012-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.7	23.5
179	17.0	12.2	18.2

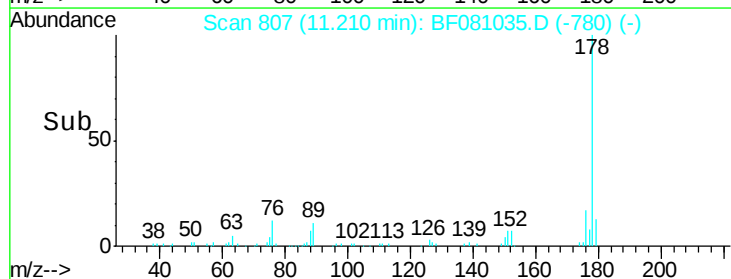
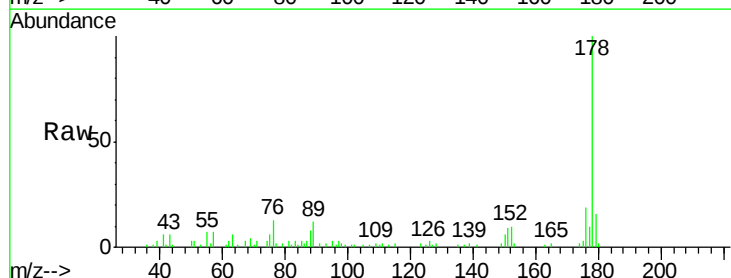
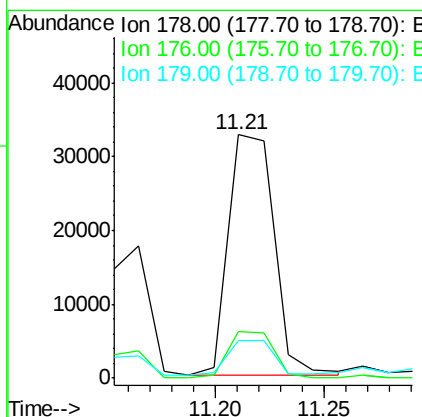
Manual Integrations
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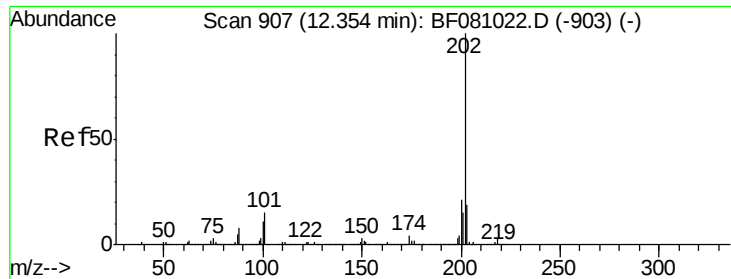
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#71
Anthracene
Concen: 5.16 ng
RT: 11.21 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.6	12.7	19.1





#74

Fluoranthene

Concen: 6.58 ng

RT: 12.39 min Scan# 910

Delta R.T. 0.06 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

Instrument :

BNA_F

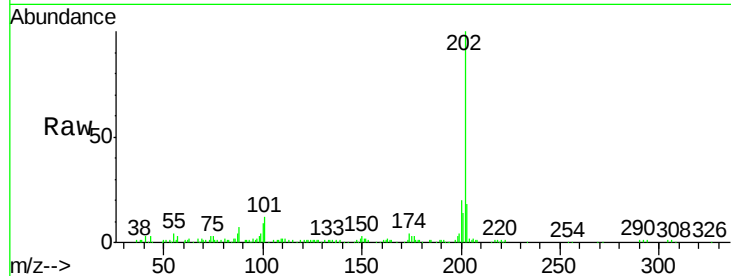
ClientSampleId :

P001-DS01-0012-01

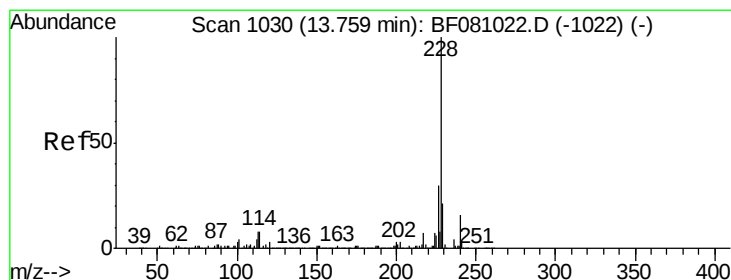
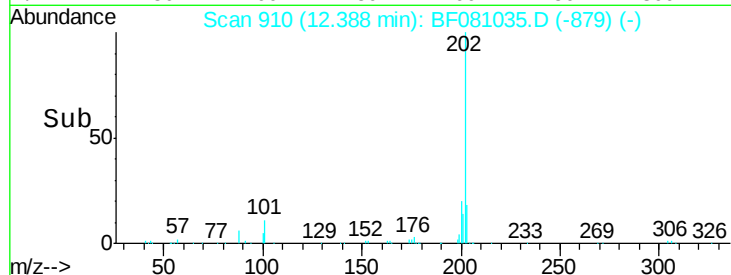
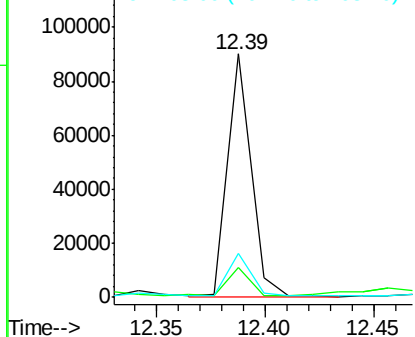
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	67260		
101	12.2	0.0	24.8	
203	17.9	0.0	36.9	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

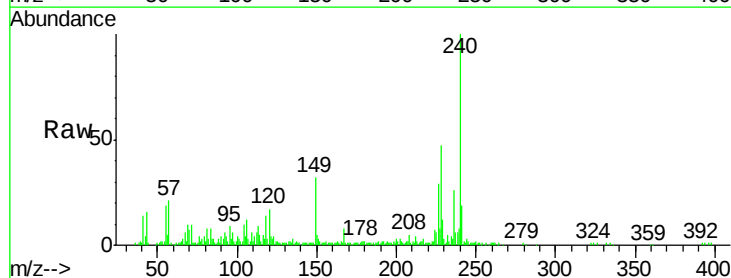
RT: 13.77 min Scan# 1031

Delta R.T. 0.02 min

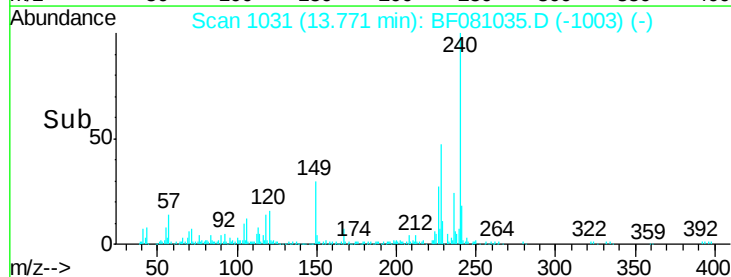
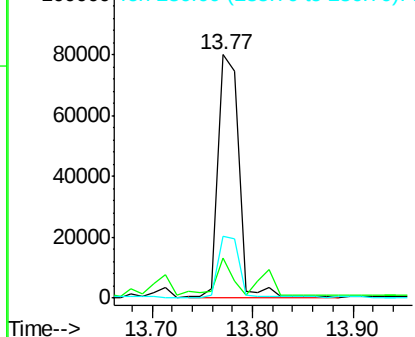
Lab File: BF081035.D

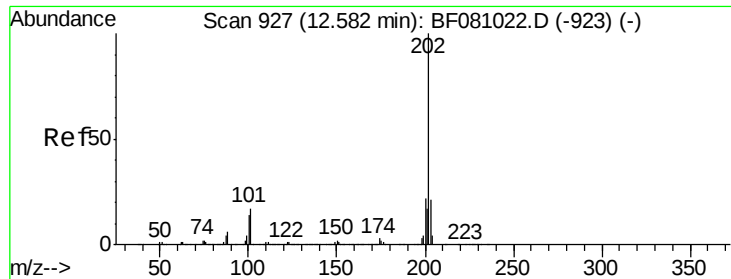
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	113352		
120	16.7	5.6	8.4#	
236	25.5	20.6	30.8	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





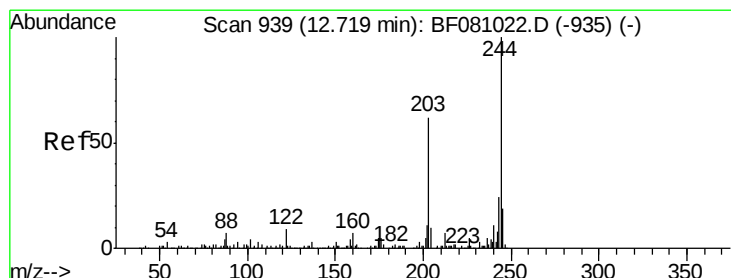
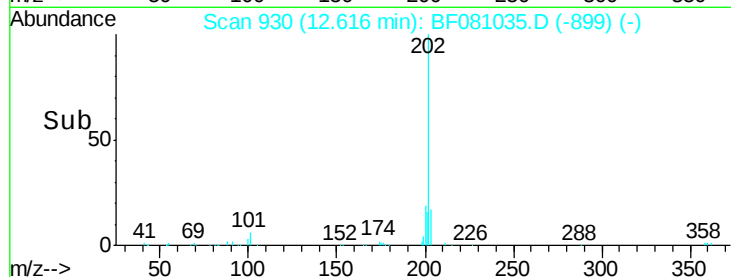
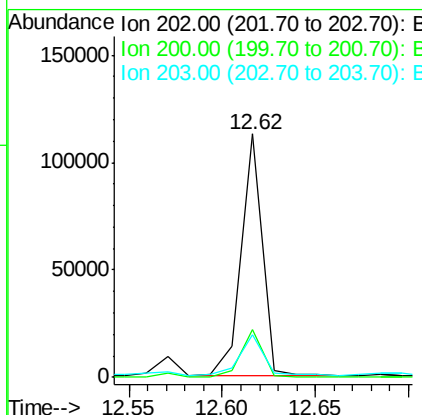
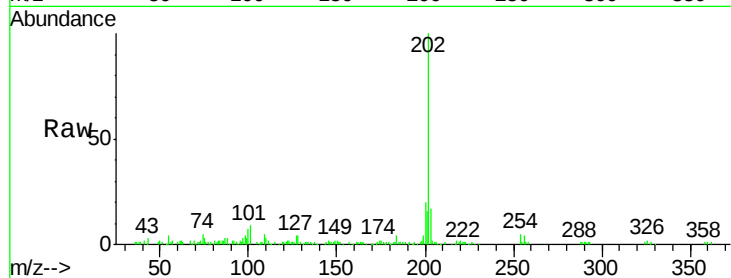
#77
 Pyrene
 Concen: 9.74 ng
 RT: 12.62 min Scan# 930
 Delta R.T. 0.06 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS01-0012-01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	89757		
200	19.6	16.6	24.8	
203	17.3	14.1	21.1	

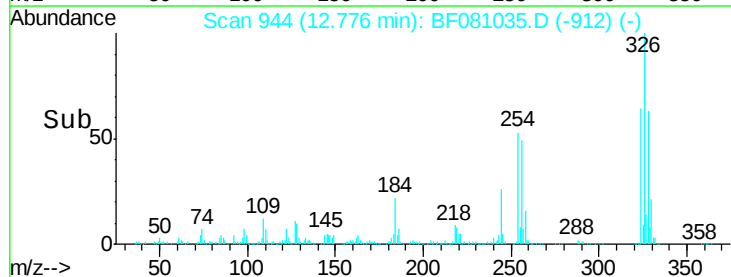
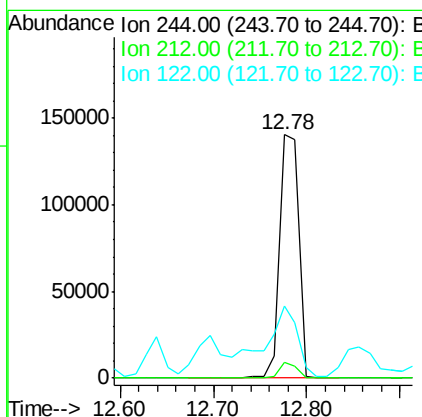
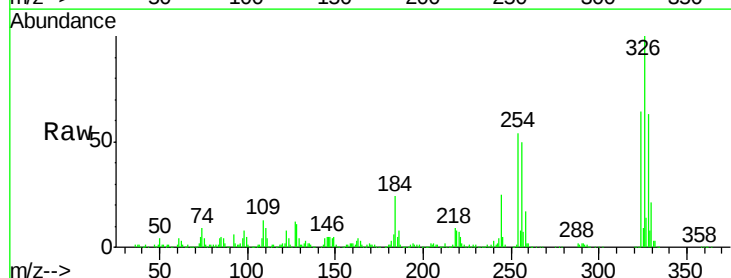
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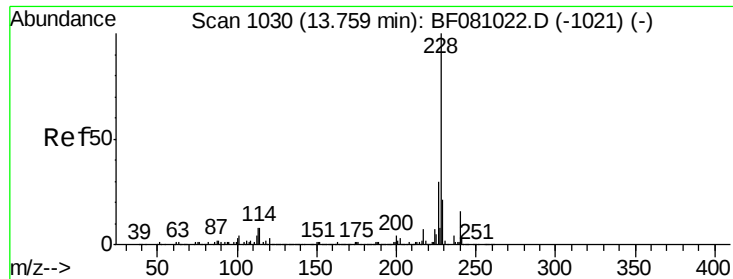
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#78
 Terphenyl-d14
 Concen: 38.33 ng
 RT: 12.78 min Scan# 944
 Delta R.T. 0.07 min
 Lab File: BF081035.D
 Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	202664		
212	6.7	5.8	8.8	
122	29.7	8.2	12.4	





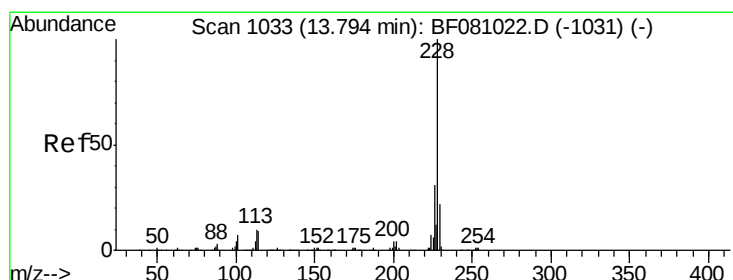
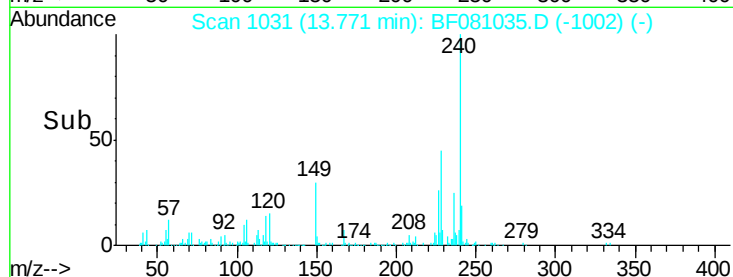
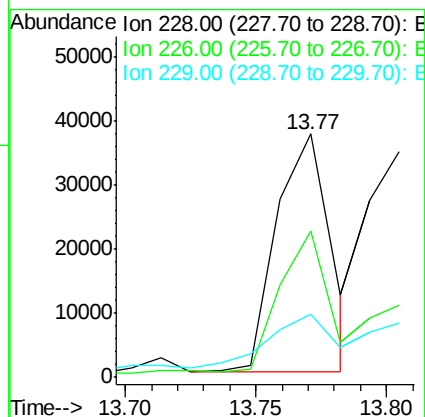
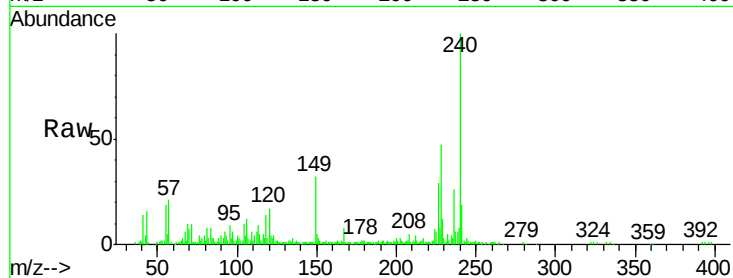
#80
Benzo(a)anthracene
Concen: 6.93 ng
RT: 13.77 min Scan# 1031
Delta R.T. 0.03 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Instrument :
BNA_F
ClientSampleId :
P001-DS01-0012-01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	60.3	22.3	33.5#
229	26.0	15.9	23.9#

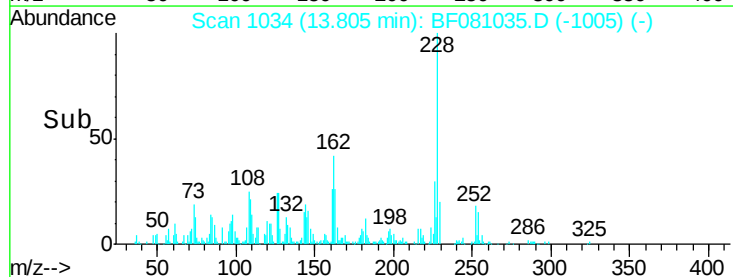
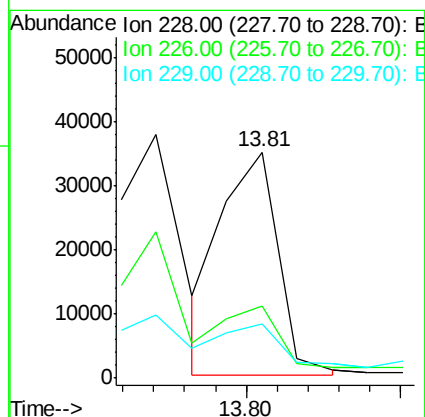
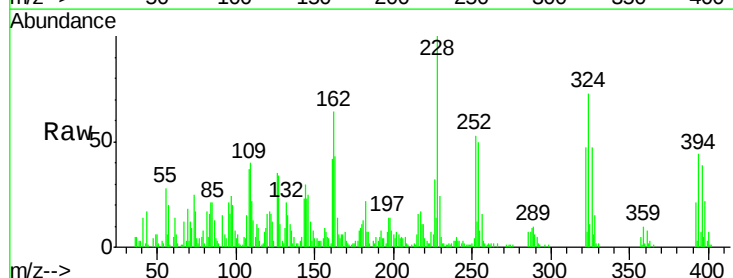
Manual Integrations
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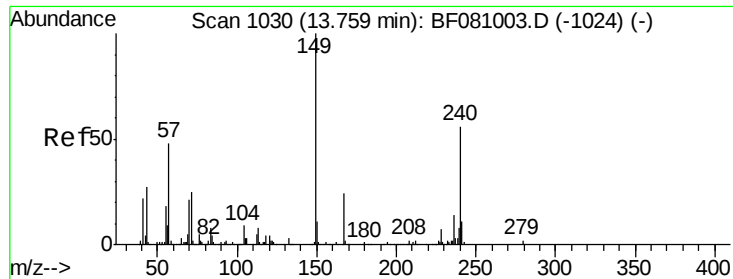
MMDadoda
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#82
Chrysene
Concen: 6.57 ng m
RT: 13.81 min Scan# 1034
Delta R.T. 0.03 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.4	36.6
229	23.8	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.38 ng

RT: 13.77 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

Instrument :

BNA_F

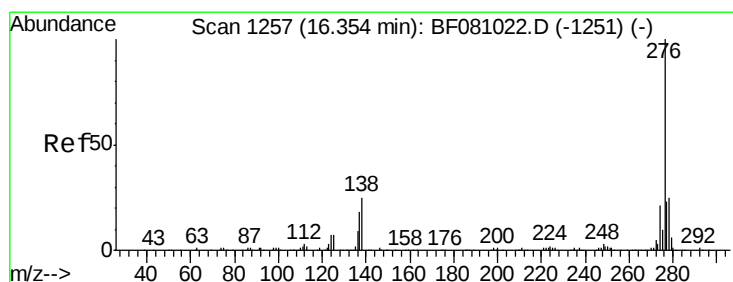
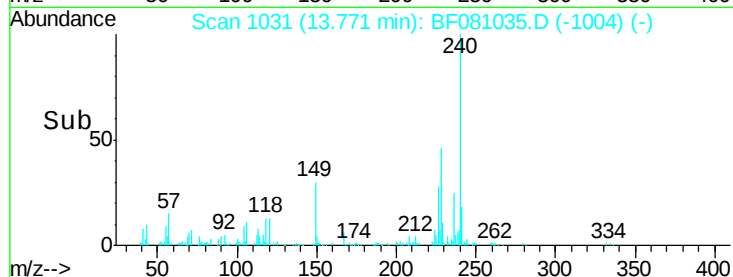
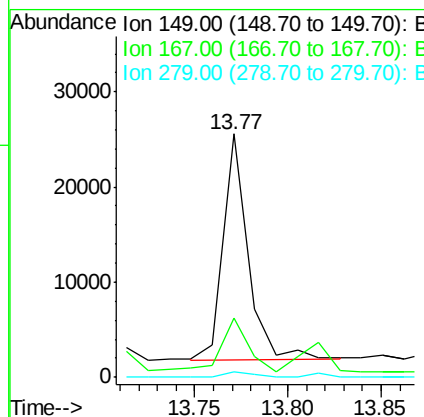
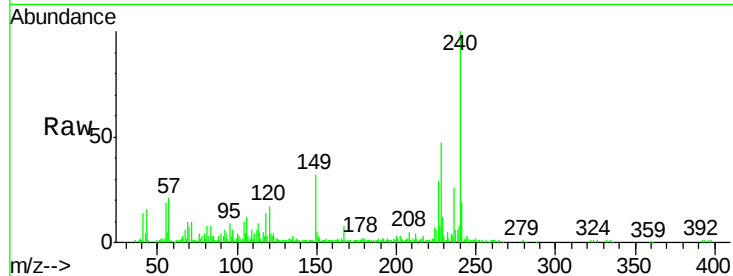
ClientSampleId :

P001-DS01-0012-01

Tgt Ion:	149	Resp:	22225
Ion Ratio	Lower	Upper	
149	100		
167	24.2	20.7	31.1
279	2.1	2.2	3.4#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.57 ng

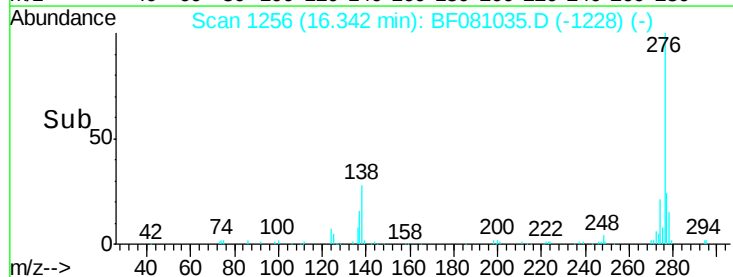
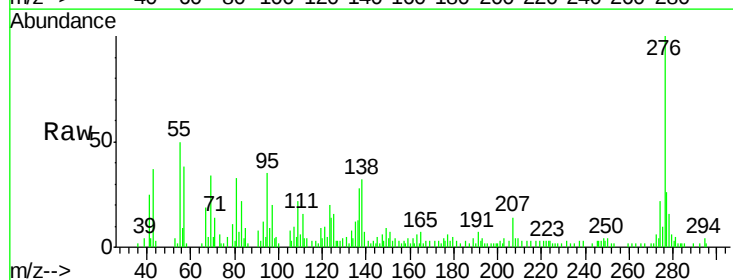
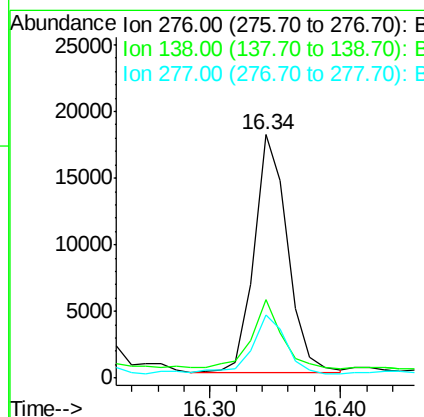
RT: 16.34 min Scan# 1256

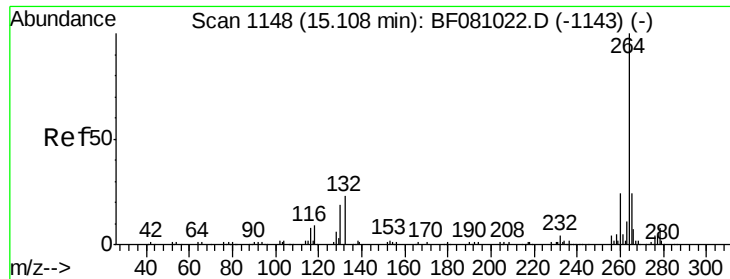
Delta R.T. 0.02 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

Tgt Ion:	276	Resp:	31622
Ion Ratio	Lower	Upper	
276	100		
138	26.5	18.6	28.0
277	25.6	19.8	29.8





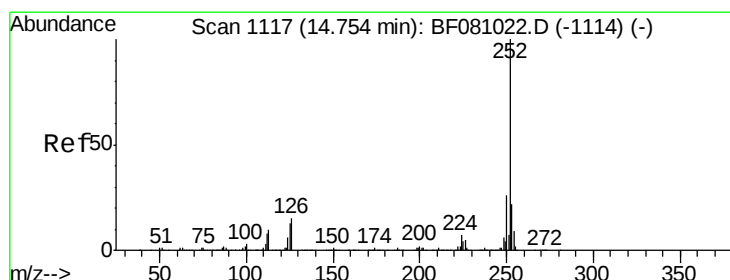
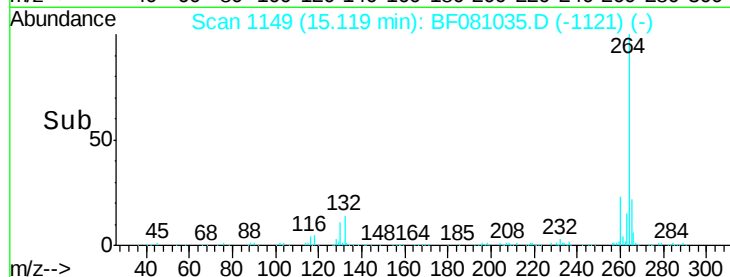
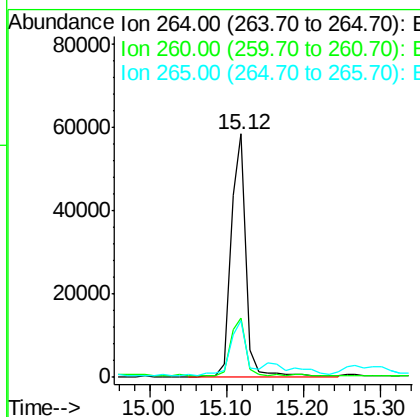
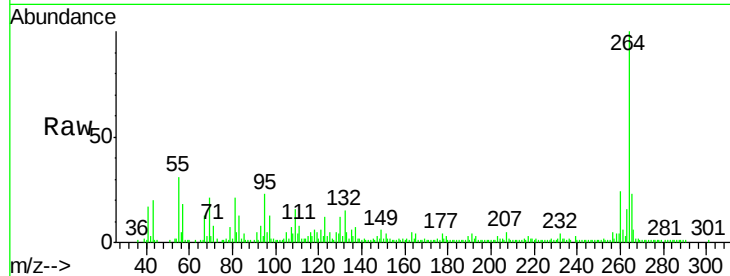
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Instrument :
BNA_F
ClientSampleId :
P001-DS01-0012-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.2	19.6	29.4
265	23.3	17.5	26.3

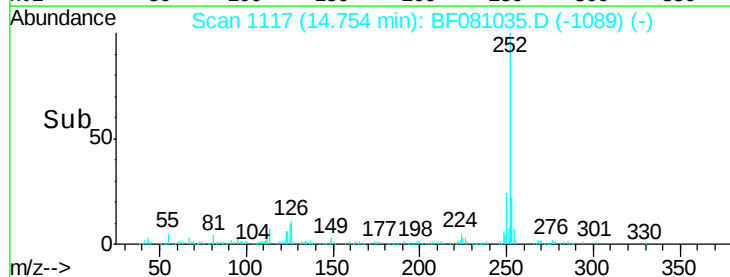
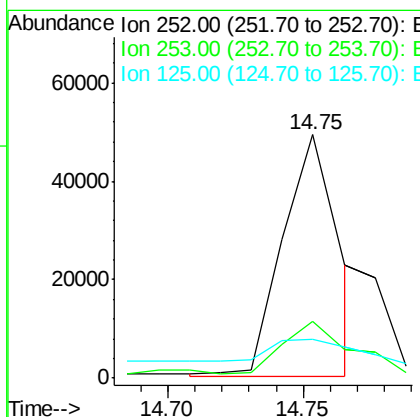
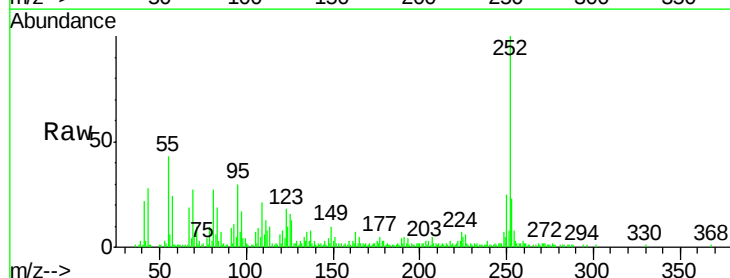
Manual Integrations
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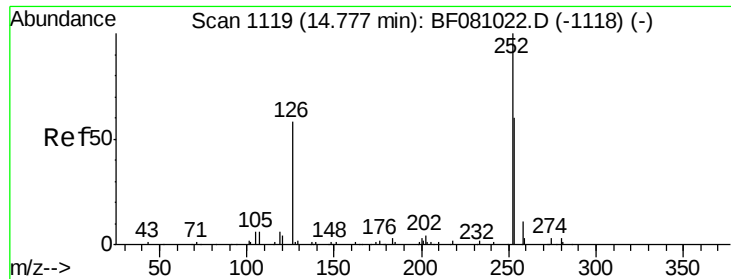
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#87
Benzo(b)fluoranthene
Concen: 12.00 ng m
RT: 14.75 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	17.1	25.7
125	16.1	8.0	12.0#





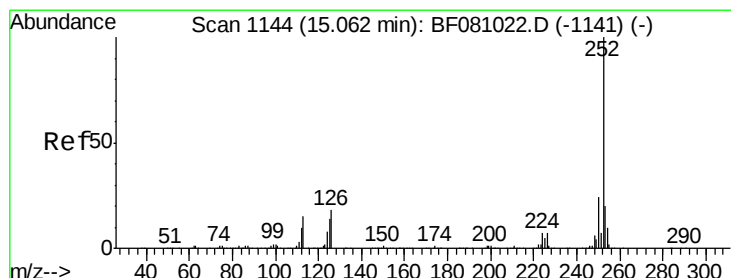
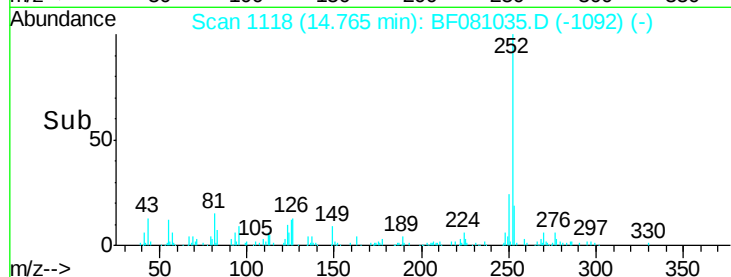
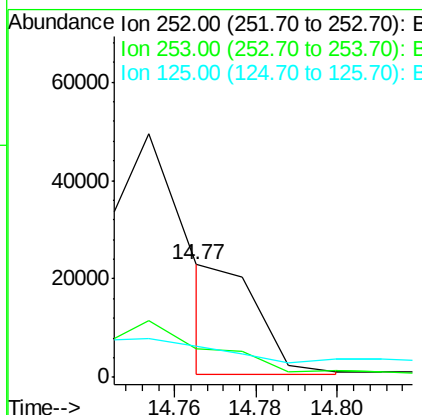
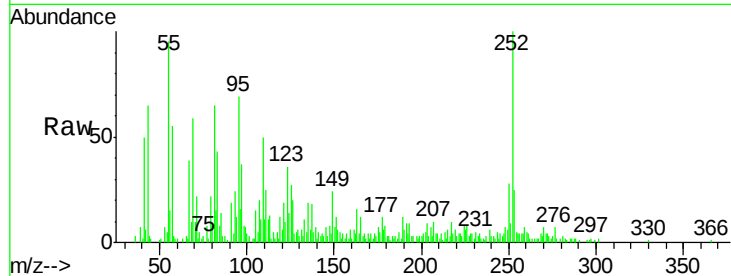
#88
Benzo(k)fluoranthene
Concen: 2.81 ng m
RT: 14.77 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Instrument :
BNA_F
ClientSampleId :
P001-DS01-0012-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	27.3	10.3	15.5

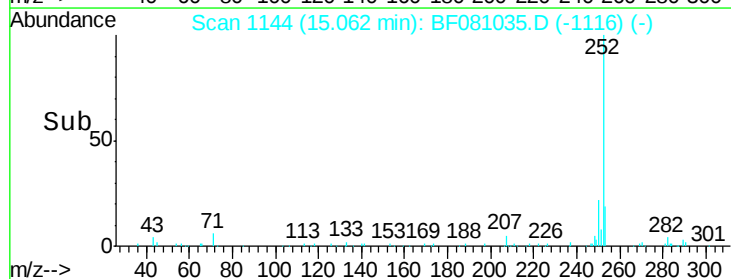
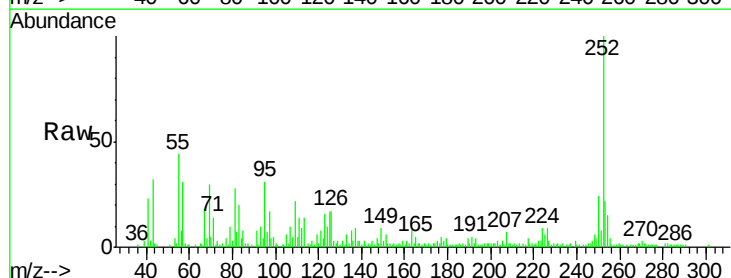
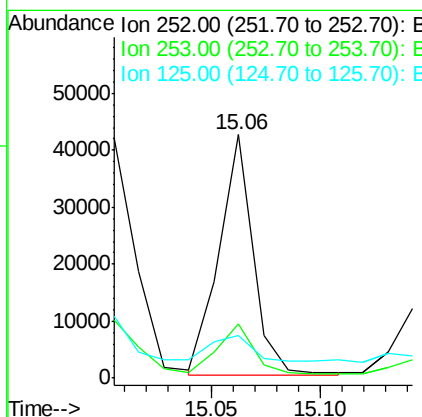
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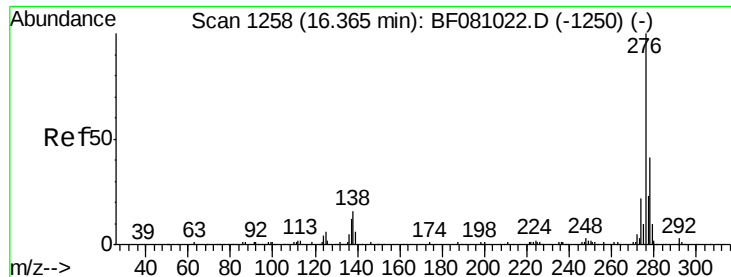
MMDadoda
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#89
Benzo(a)pyrene
Concen: 9.17 ng
RT: 15.06 min Scan# 1144
Delta R.T. 0.02 min
Lab File: BF081035.D
Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.6	25.0
125	17.4	7.8	11.8





#90

Dibenzo(a,h)anthracene

Concen: 2.13 ng m

RT: 16.35 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BF081035.D

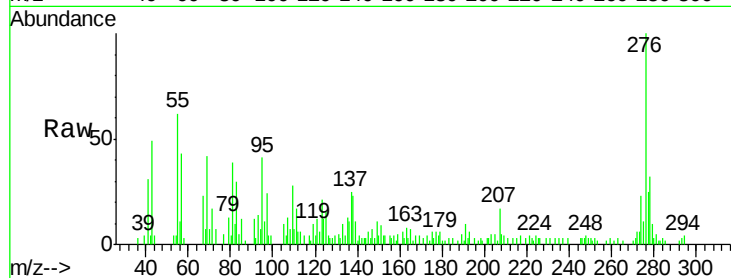
Acq: 18 Aug 2015 7:56

Instrument :

BNA_F

ClientSampleId :

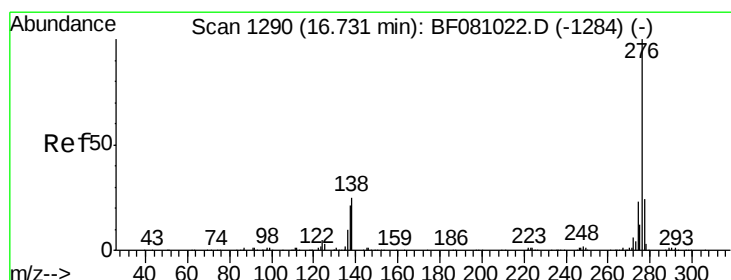
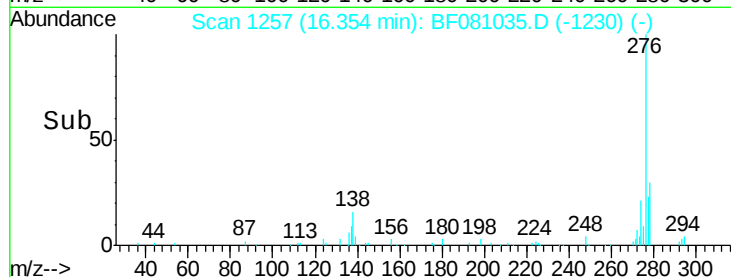
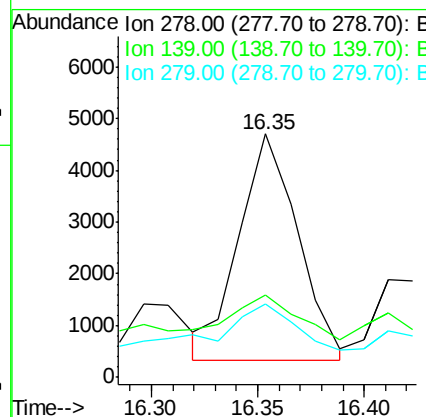
P001-DS01-0012-01



Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.7	10.8	16.2#
279	29.9	19.0	28.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 12.13 ng

RT: 16.72 min Scan# 1289

Delta R.T. 0.03 min

Lab File: BF081035.D

Acq: 18 Aug 2015 7:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.2	27.2
138	23.3	13.7	20.5#

