

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083612.D
 Acq On : 8 Dec 2015 23:51
 Operator : UM/IZ
 Sample : G4637-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1

Manual Integrations
 APPROVED

Mmdadoda
 12/9/2015 6:13:28 PM

Quant Time: Dec 09 02:48:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.70	152	160382	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	628643	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	308678	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	534270	20.00	ng	0.00
75) Chrysene-d12	16.99	240	335817	20.00	ng	0.00
86) Perylene-d12	18.64	264	292869	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	1251805	118.38	ng	0.02
7) Phenol-d6	5.28	99	1809335	128.06	ng	0.00
23) Nitrobenzene-d5	6.53	82	1127056	83.66	ng	0.00
41) 2,4,6-Tribromophenol	11.68	330	319725	116.26	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1553864	70.85	ng	0.00
78) Terphenyl-d14	15.41	244	1096993	76.86	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	5.13	77	89740	9.91	ng	98
49) Dimethylphthalate	10.03	163	415819	16.92	ng	98
51) Acenaphthene	10.44	154	132332	6.92	ng	98
54) Dibenzofuran	10.74	168	66316	2.50	ng	94
57) Fluorene	11.28	166	123164	5.32	ng	95
70) Phenanthrene	12.82	178	1860920	60.62	ng	98
71) Anthracene	12.91	178	463976	14.59	ng	98
72) Carbazole	13.22	167	160930	5.90	ng	97
73) Di-n-butylphthalate	13.83	149	70169	2.05	ng	# 94
74) Fluoranthene	14.75	202	2376078	75.67	ng	96
77) Pyrene	15.11	202	2026667	83.83	ng	# 91
79) Butylbenzylphthalate	16.24	149	50241	4.68	ng	92
80) Benzo(a)anthracene	16.98	228	836759	42.57	ng	98
82) Chrysene	17.03	228	710286	36.05	ng	99
83) Bis(2-ethylhexyl)phthalate	17.08	149	51054	3.43	ng	# 95
85) Indeno(1,2,3-cd)pyrene	19.88	276	365060	27.45	ng	# 100
87) Benzo(b)fluoranthene	18.26	252	737982m	44.25	ng	
88) Benzo(k)fluoranthene	18.28	252	319886m	17.41	ng	
89) Benzo(a)pyrene	18.58	252	571026m	35.09	ng	
90) Dibenzo(a,h)anthracene	19.89	278	88049m	7.08	ng	
91) Benzo(g,h,i)perylene	20.23	276	356023	29.35	ng	99

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

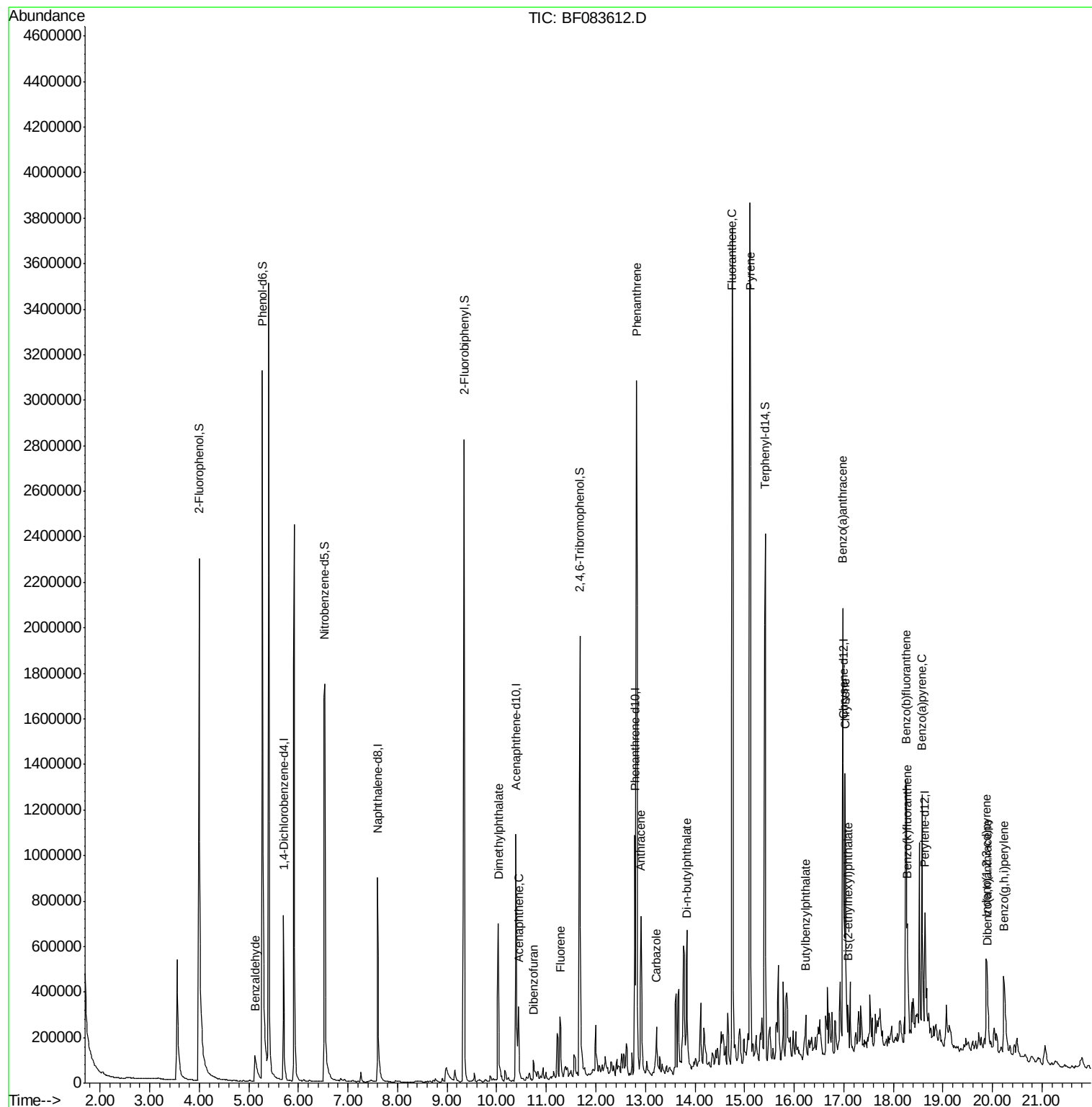
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

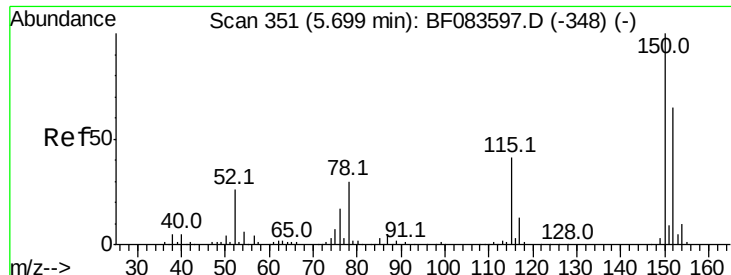
Instrument :
BNA_F
ClientSampleId :
PCPY1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

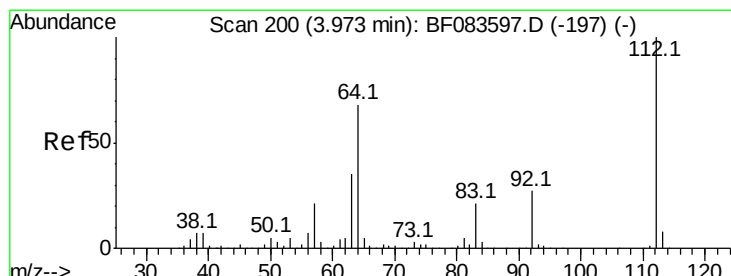
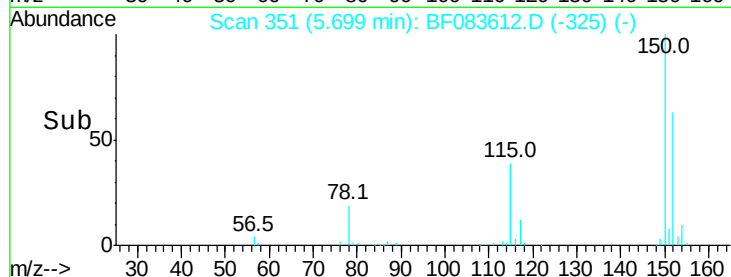
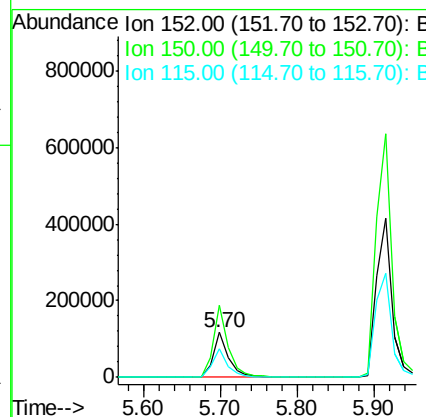
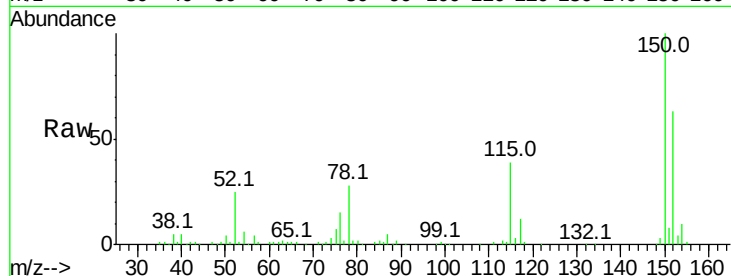
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. -0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.5	189.7
115	62.8	52.3	78.5

Manual Integrations
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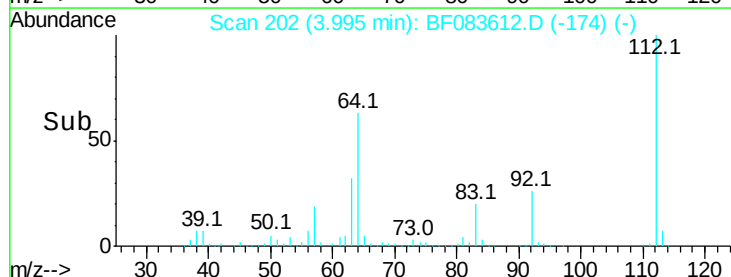
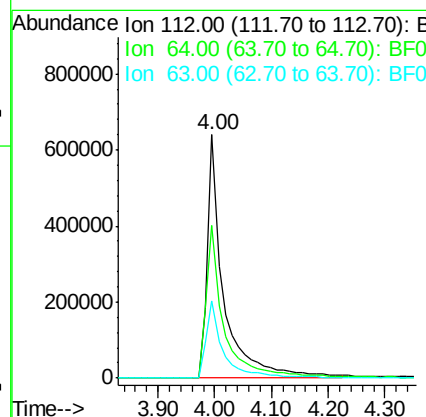
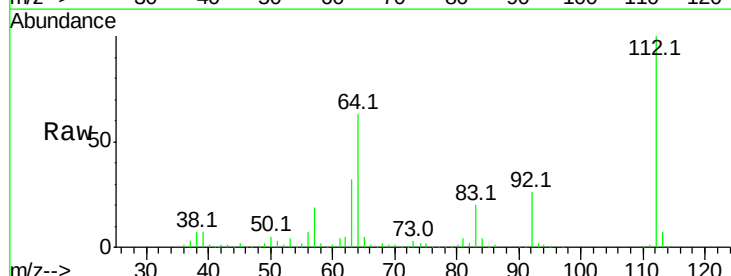
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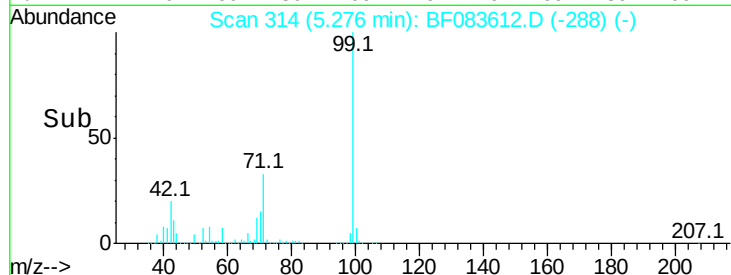
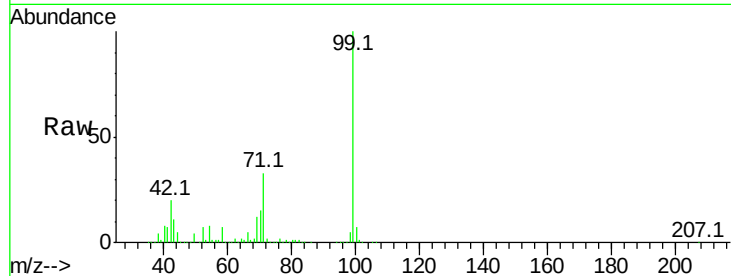
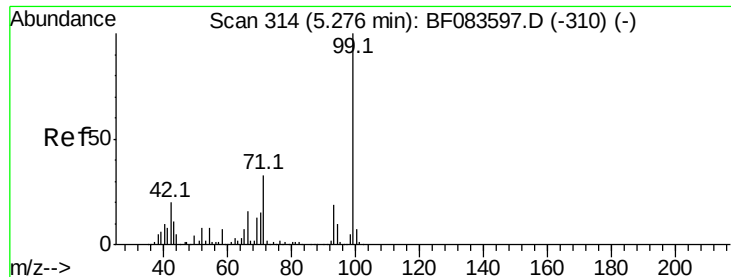


#5

2-Fluorophenol
Concen: 118.38 ng
RT: 4.00 min Scan# 202
Delta R.T. 0.02 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	50.5	75.7
63	31.7	25.8	38.6





#7

Phenol-d6

Concen: 128.06 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Tot Ion: 99 Resp: 1809335

Ion Ratio Lower Upper

99 100

42 20.2 17.3 25.9

71 33.0 26.6 40.0

Instrument :

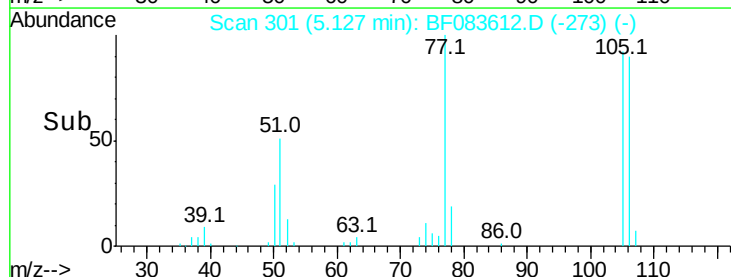
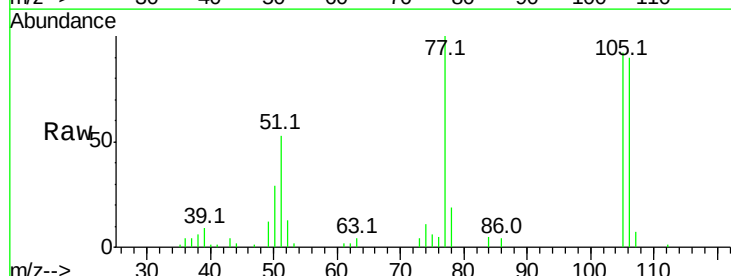
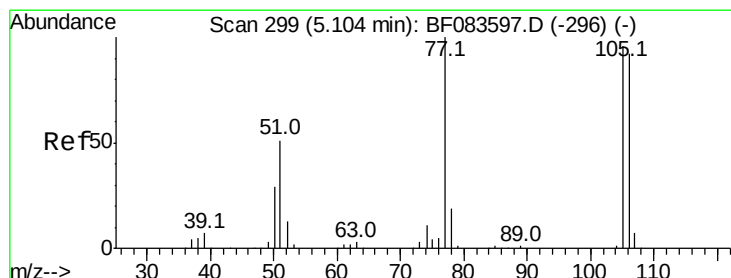
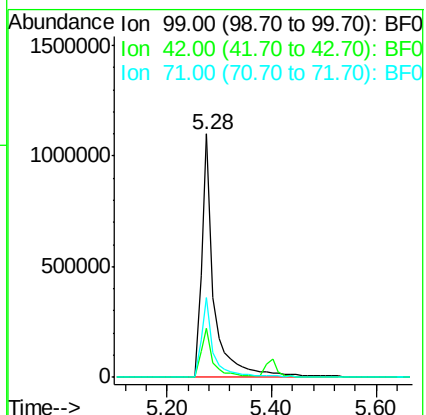
BNA_F

ClientSampled :

PCPY1

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#9

Benzaldehyde

Concen: 9.91 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.02 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

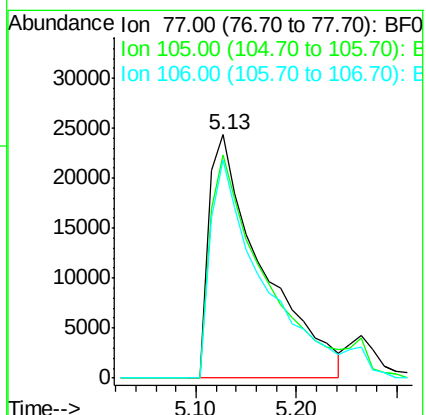
Tgt Ion: 77 Resp: 89740

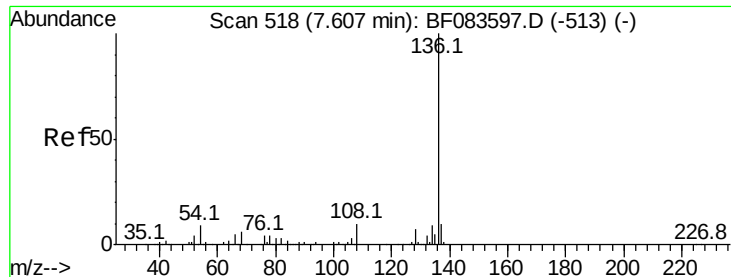
Ion Ratio Lower Upper

77 100

105 91.7 71.8 111.8

106 89.8 66.8 106.8





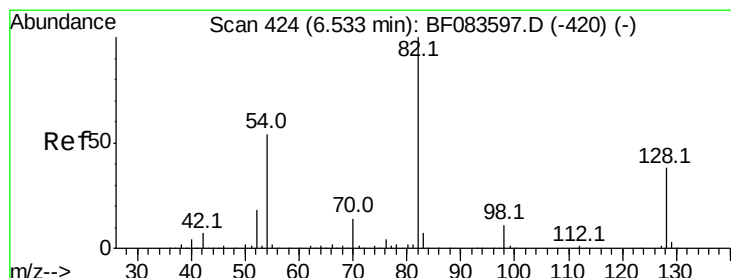
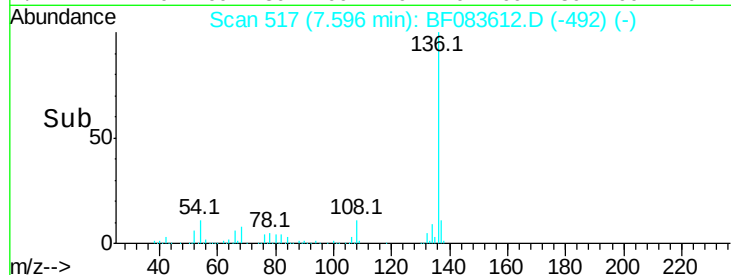
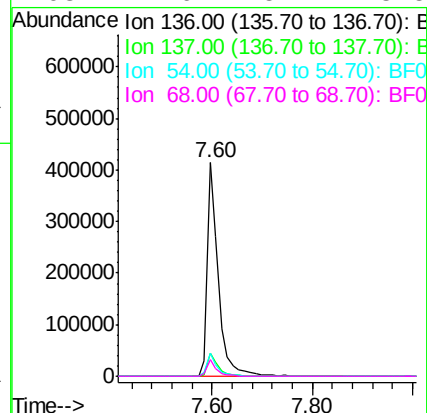
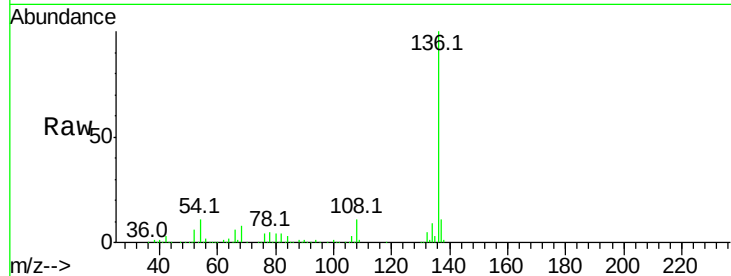
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.60 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	136	Resp	628643
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	10.8	7.8	11.6
68	7.6	5.7	8.5

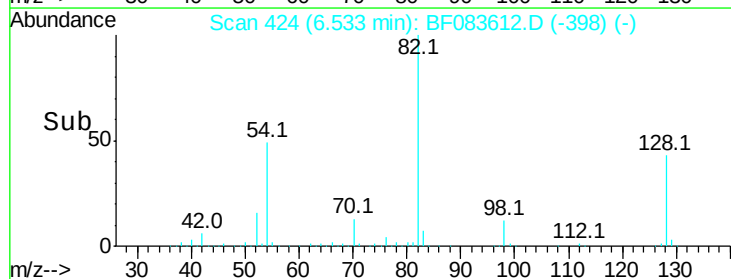
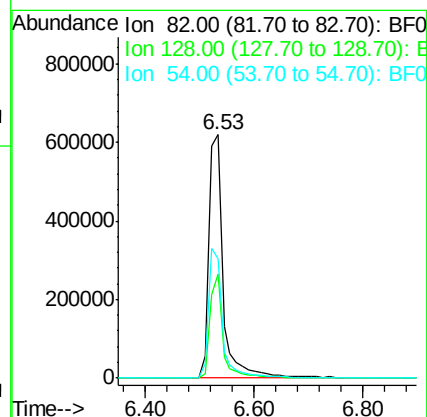
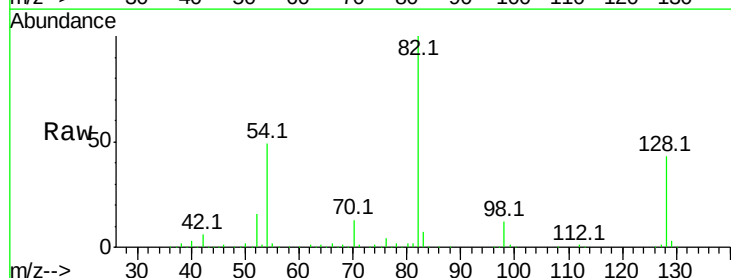
Manual Integrations
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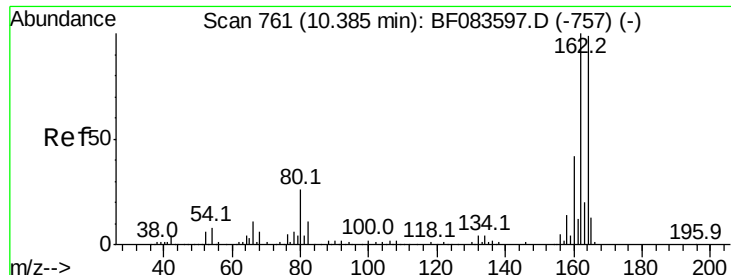
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#23
Nitrobenzene-d5
Concen: 83.66 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	82	Resp	1127056
Ion Ratio	Lower	Upper	
82	100		
128	42.8	30.7	46.1
54	49.2	42.5	63.7





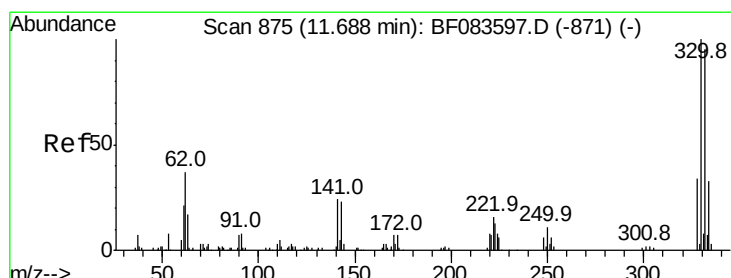
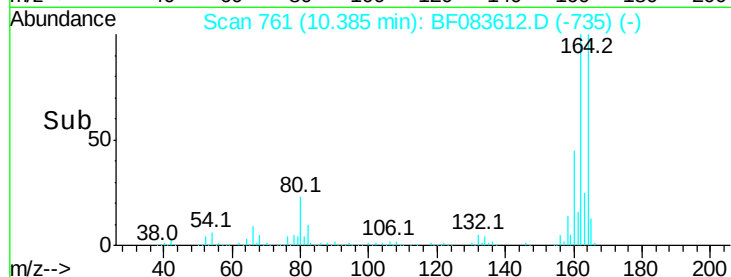
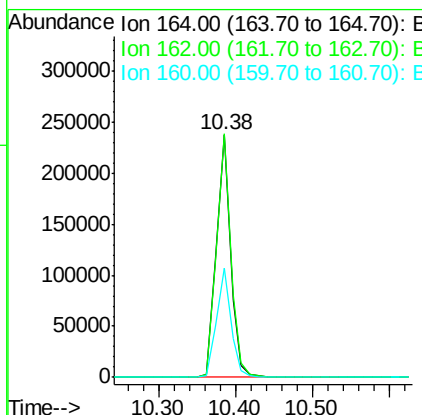
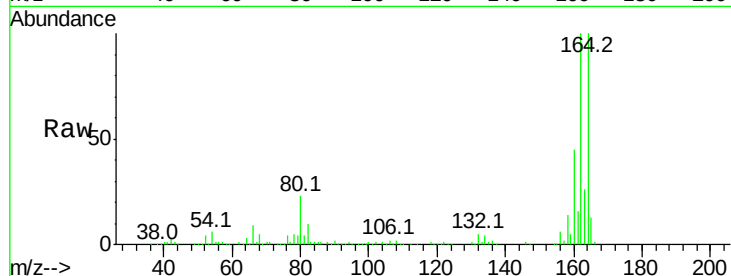
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	308678		
162	100.2		78.8	118.2
160	45.1		33.4	50.2

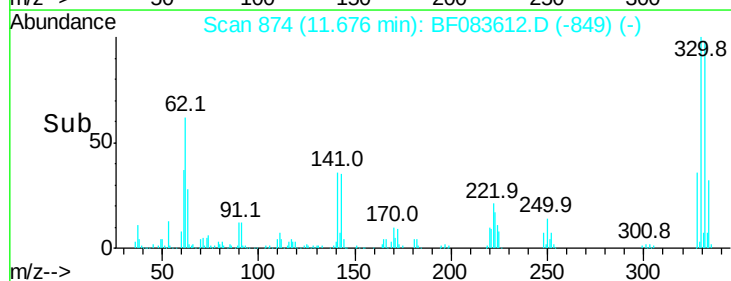
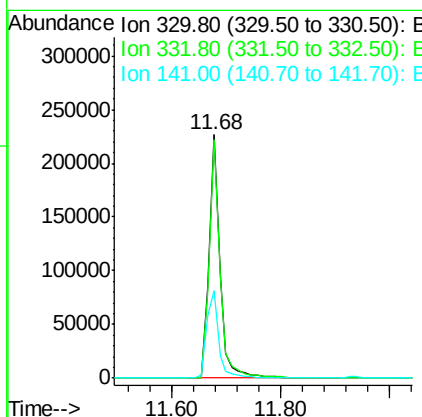
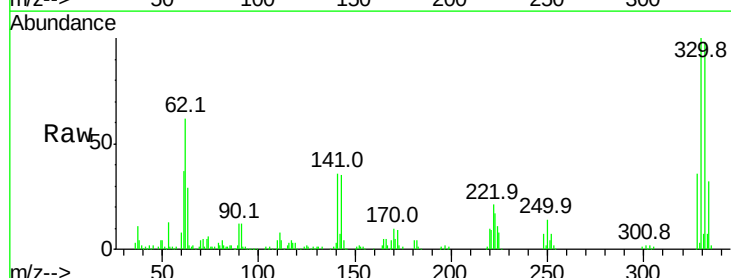
Manual Integrations
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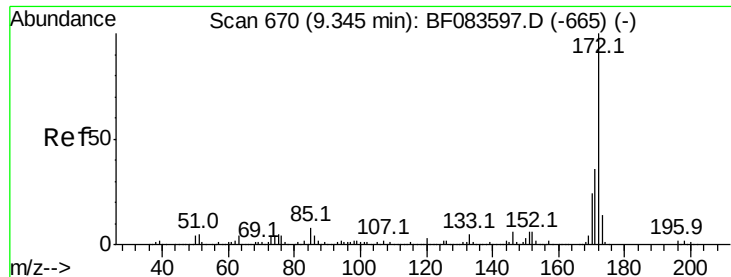
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#41
2,4,6-Tribromophenol
Concen: 116.26 ng
RT: 11.68 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	319725		
332	98.2		0.0	0.0#
141	39.9		0.0	0.0#





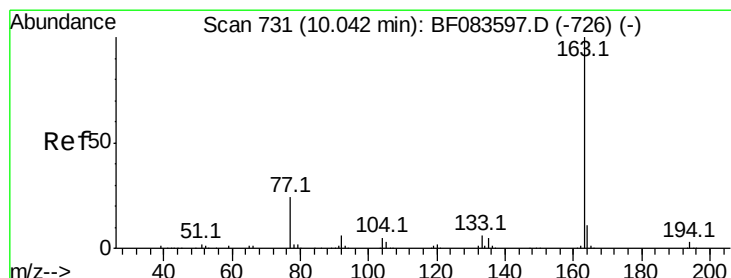
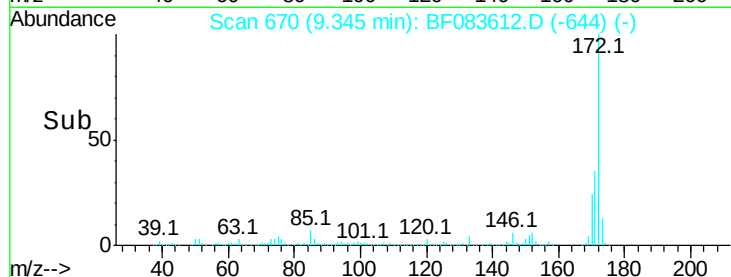
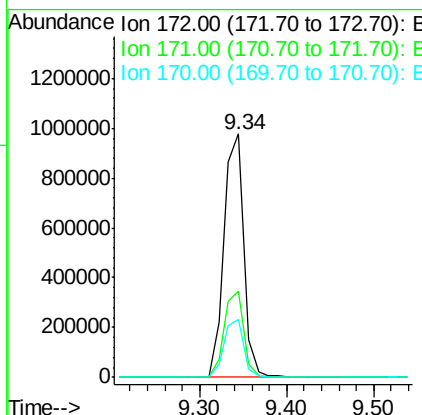
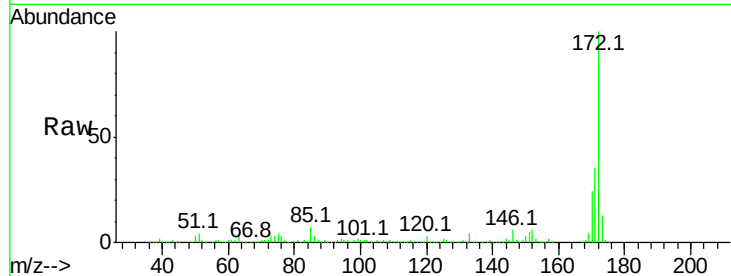
#44
2-Fluorobiphenyl
Concen: 70.85 ng
RT: 9.34 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion:172 Resp: 1553864
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.8 19.4 29.0

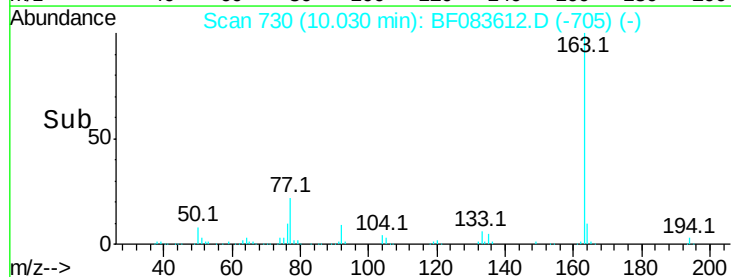
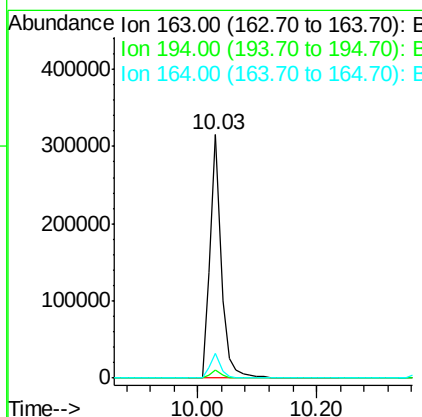
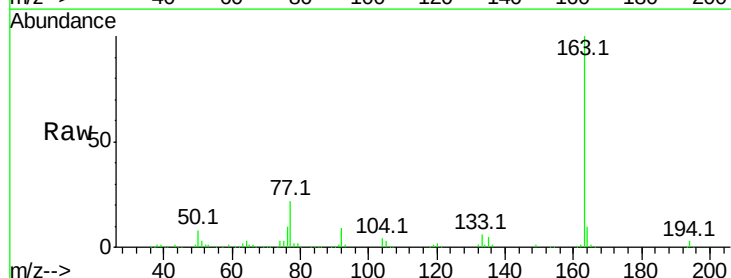
Manual Integrations
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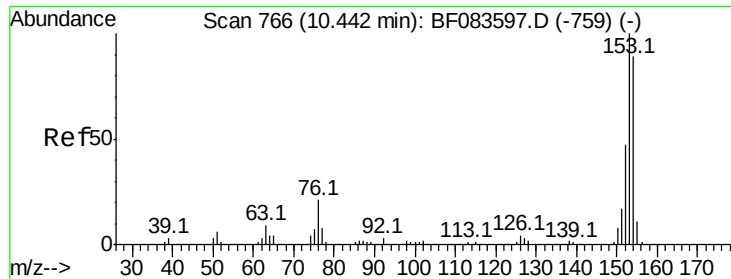
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#49
Dimethylphthalate
Concen: 16.92 ng
RT: 10.03 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion:163 Resp: 415819
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.9 8.6 13.0





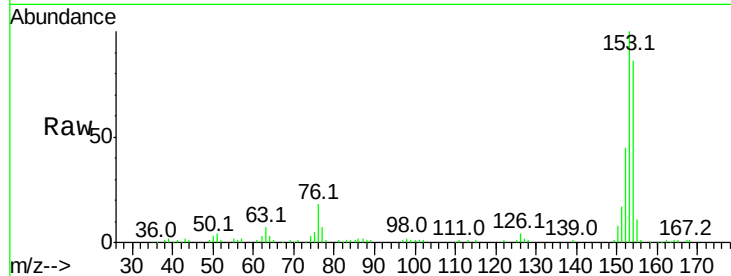
#51
Acenaphthene
Concen: 6.92 ng
RT: 10.44 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

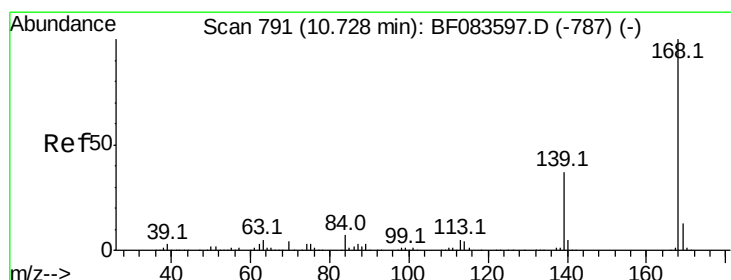
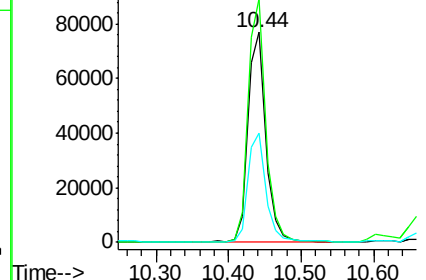
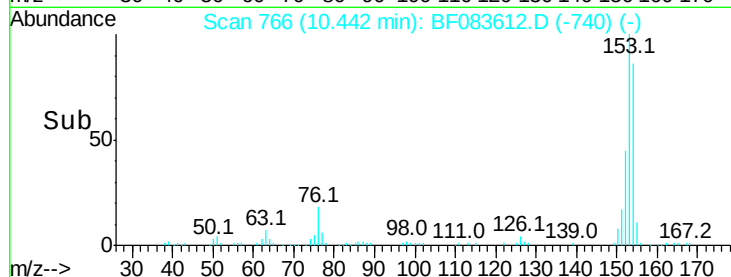
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.4	137.0
152	51.7	43.4	65.2

Manual Integrations
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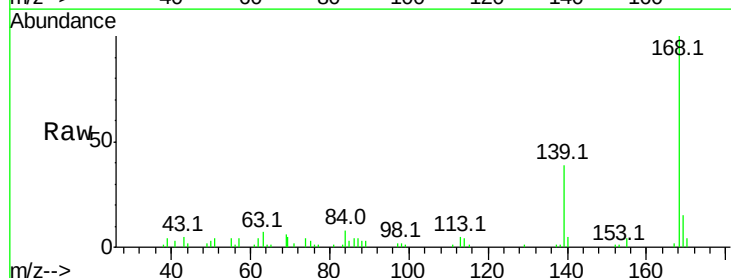


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

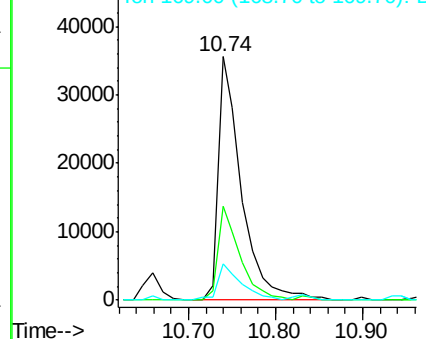
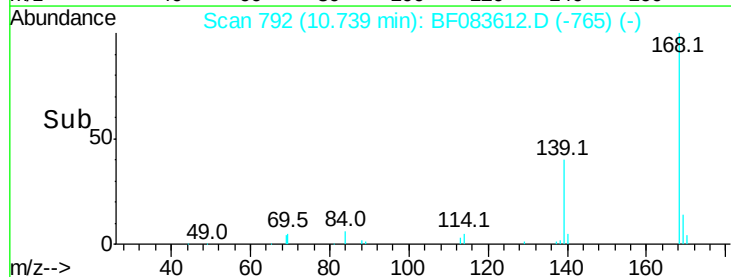


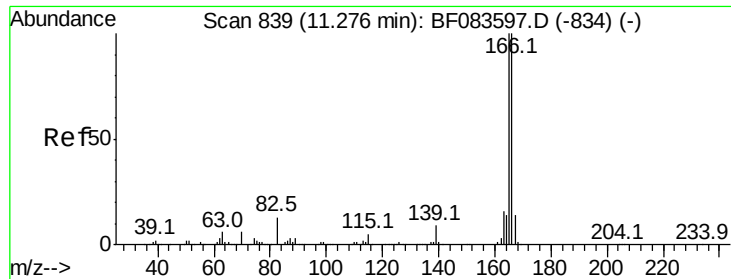
#54
Dibenzofuran
Concen: 2.50 ng
RT: 10.74 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	28.0	42.0
169	14.8	10.8	16.2



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





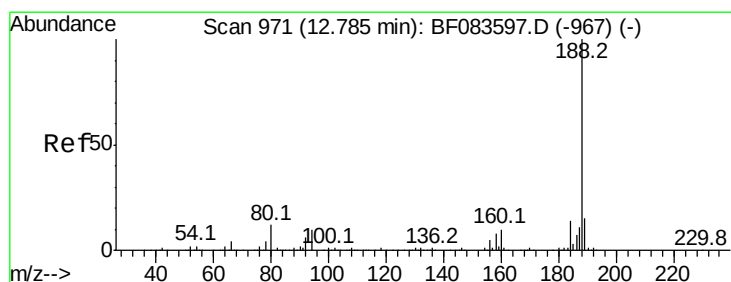
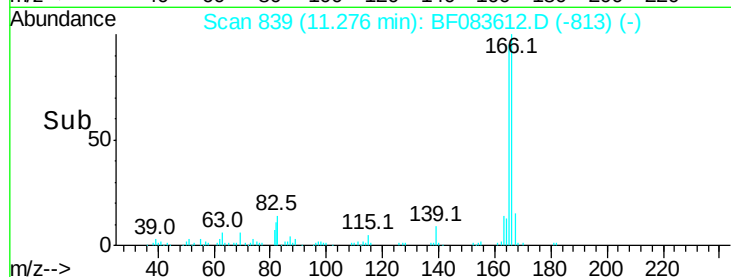
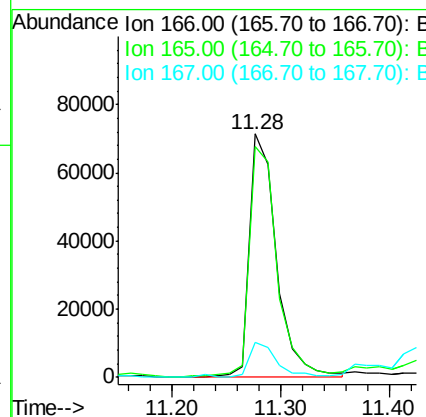
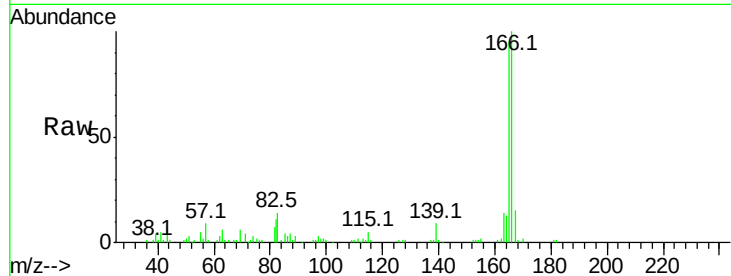
#57
Fluorene
 Concen: 5.32 ng
 RT: 11.28 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF083612.D
 Acq: 8 Dec 2015 23:51

Instrument :
 BNA_F
 ClientSampled :
 PCPY1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	123164		
165	94.9	80.0	120.0	
167	14.6	10.6	16.0	

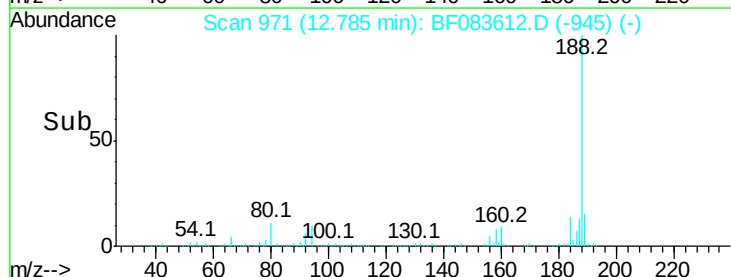
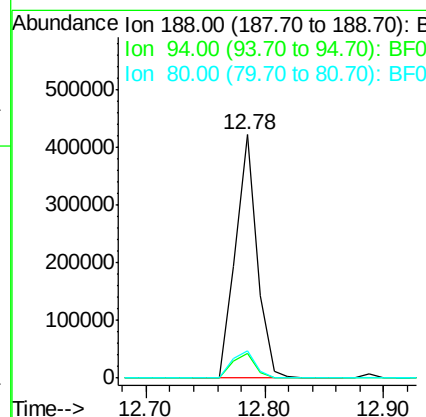
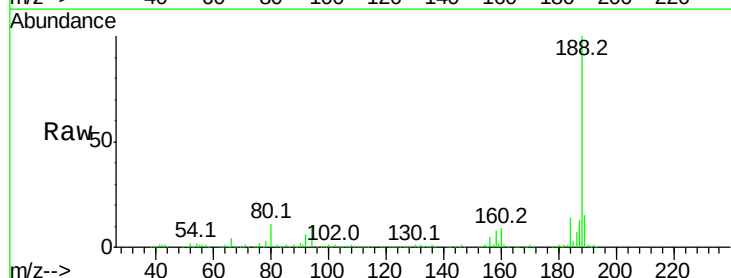
Manual Integrations
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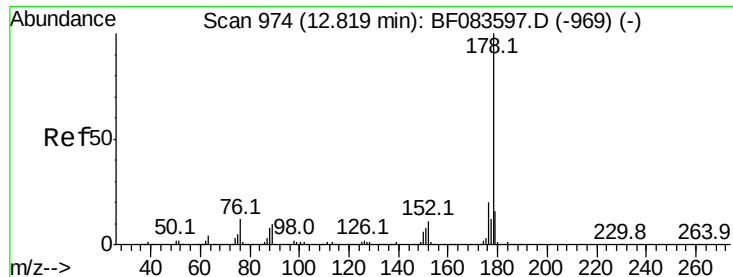
Mmdadoda
 12/9/2015 6:13:28 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.78 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF083612.D
 Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	534270		
94	10.2	9.4	14.2	
80	11.1	10.6	16.0	





#70

Phenanthrene

Concen: 60.62 ng

RT: 12.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA_F

ClientSampleId :

PCPY1

Tot Ion:178 Resp: 1860920

Ion Ratio Lower Upper

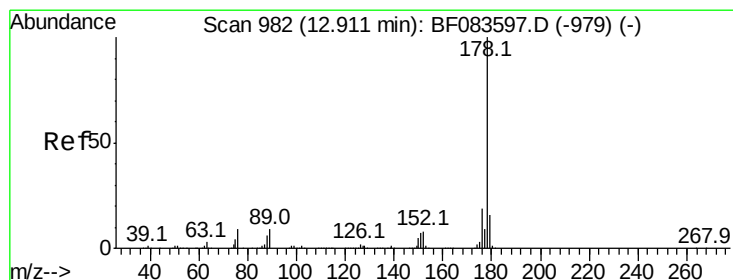
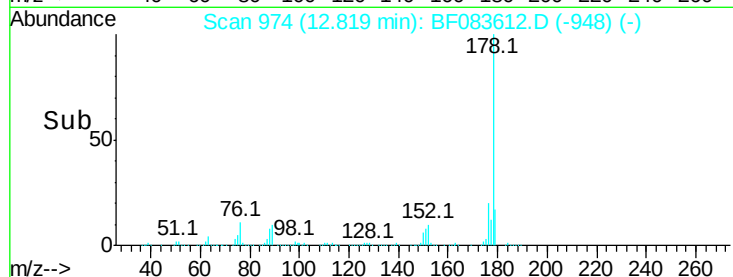
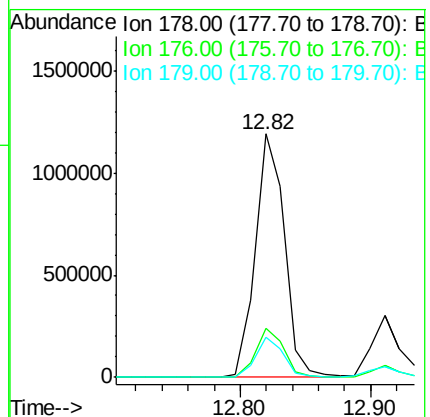
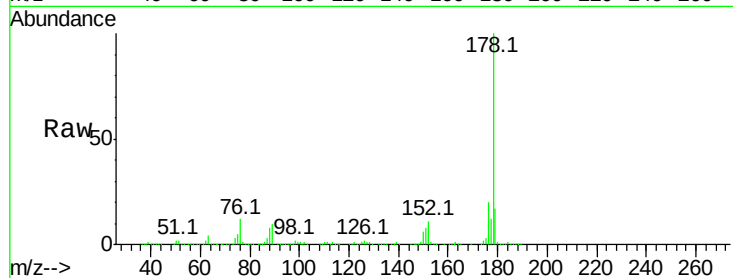
178 100

176 20.3 15.7 23.5

179 16.6 12.2 18.4

Manual Integrations
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#71

Anthracene

Concen: 14.59 ng

RT: 12.91 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

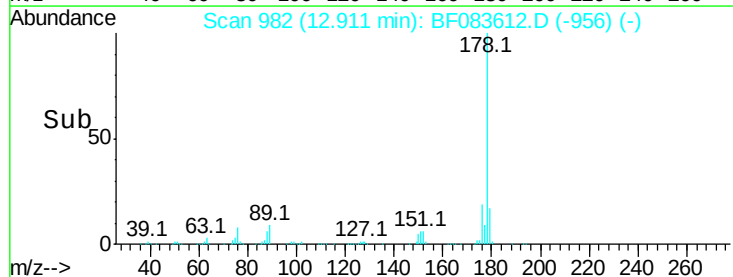
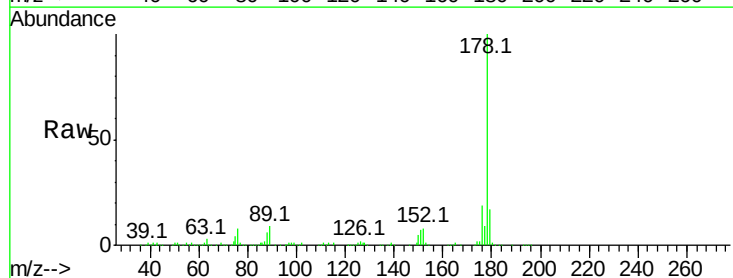
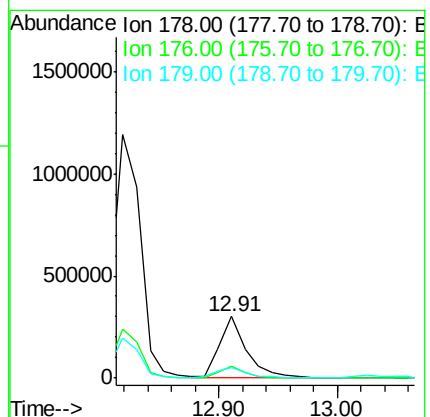
Tgt Ion:178 Resp: 463976

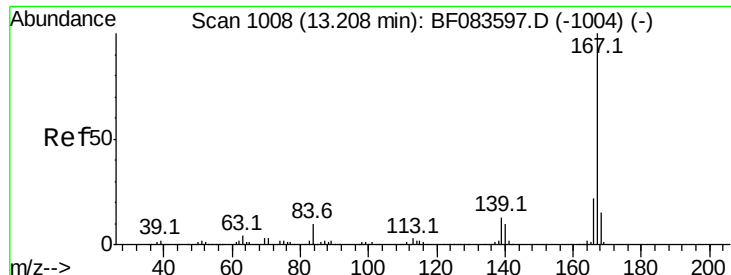
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 17.2 12.6 18.8





#72

Carbazole

Concen: 5.90 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA_F

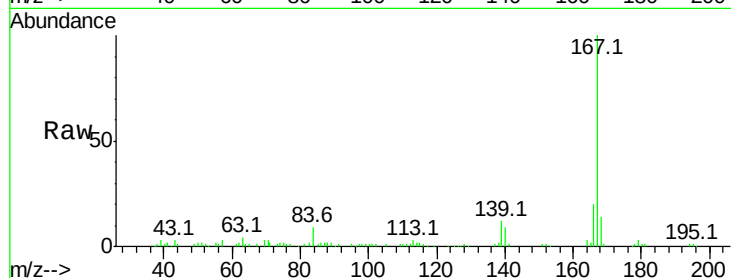
ClientSampleId :

PCPY1

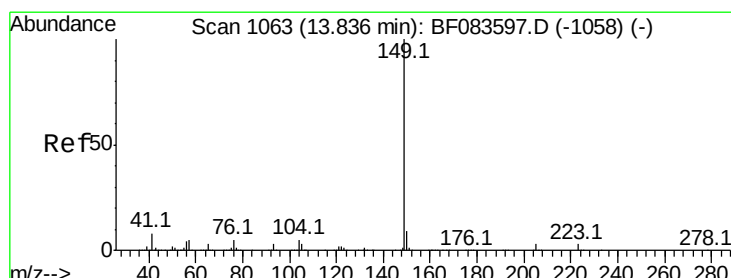
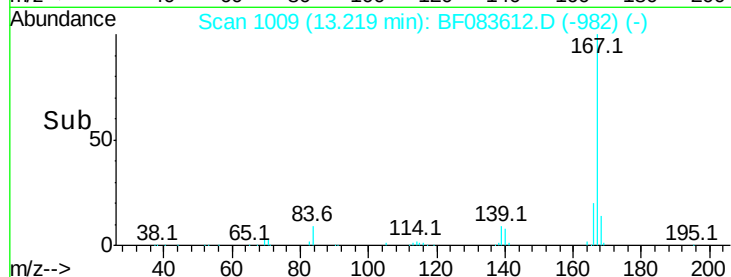
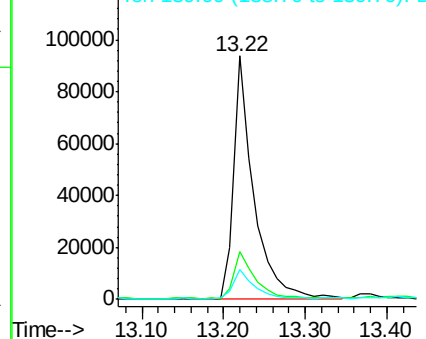
Tot Ion:	167	Resp:	160930
Ion Ratio	Lower	Upper	
167	100		
166	19.7	17.2	25.8
139	12.1	9.3	13.9

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 2.05 ng

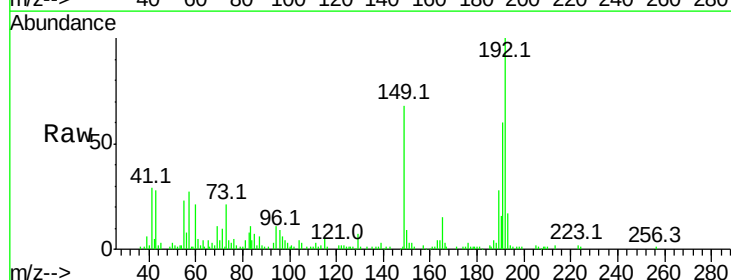
RT: 13.83 min Scan# 1062

Delta R.T. -0.01 min

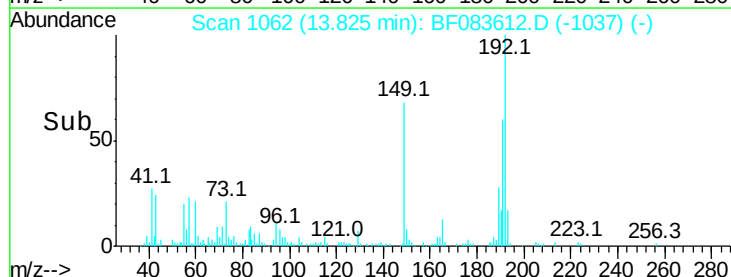
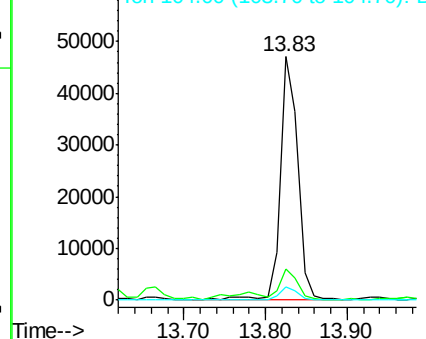
Lab File: BF083612.D

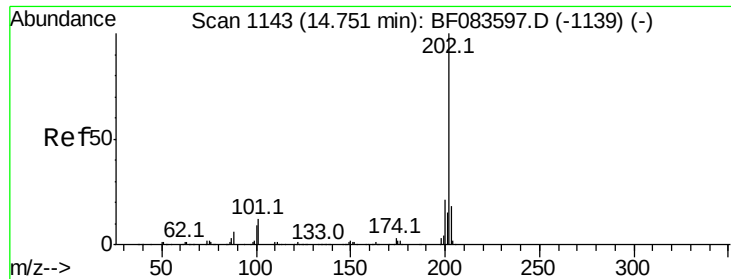
Acq: 8 Dec 2015 23:51

Tgt Ion:	149	Resp:	70169
Ion Ratio	Lower	Upper	
149	100		
150	12.9	7.8	11.6#
104	5.3	3.9	5.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





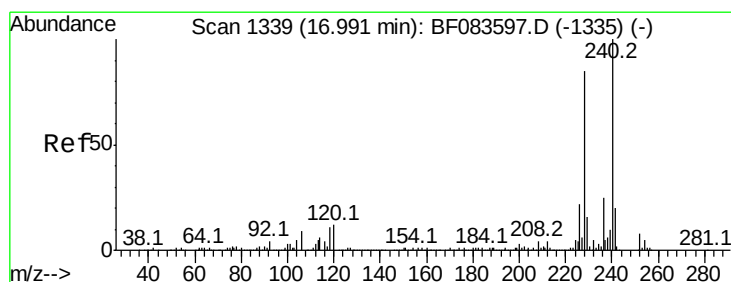
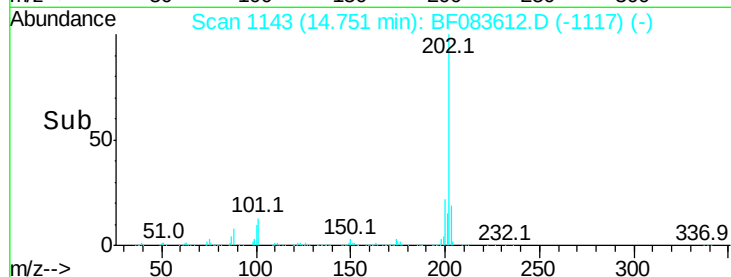
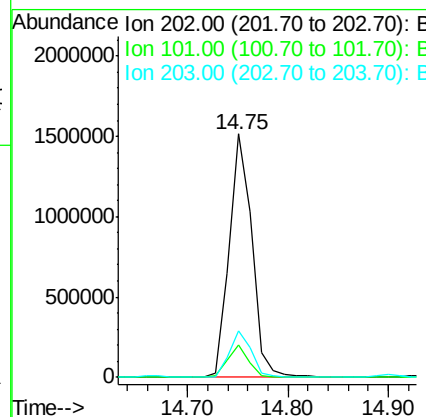
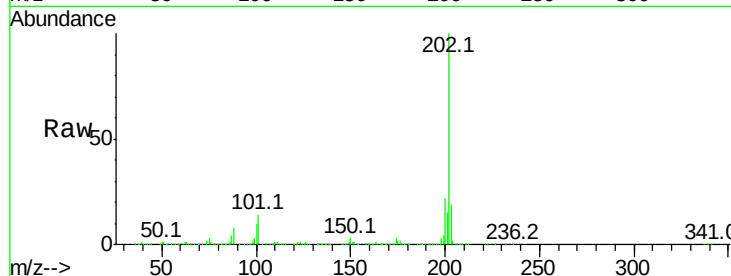
#74
Fluoranthene
Concen: 75.67 ng
RT: 14.75 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.5
203	18.9	0.0	37.6

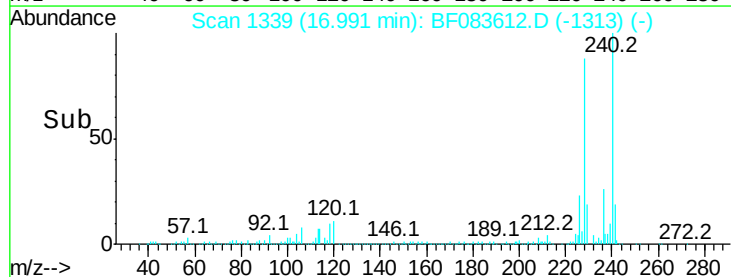
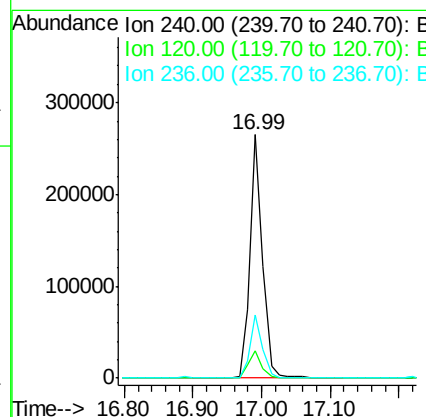
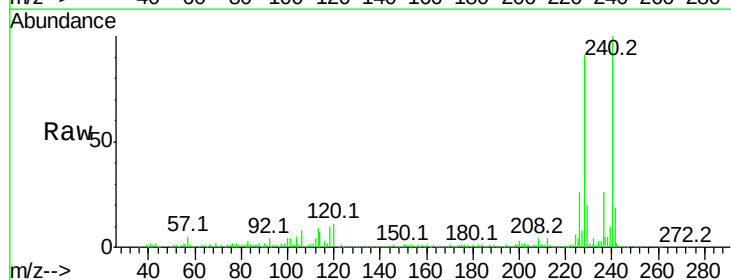
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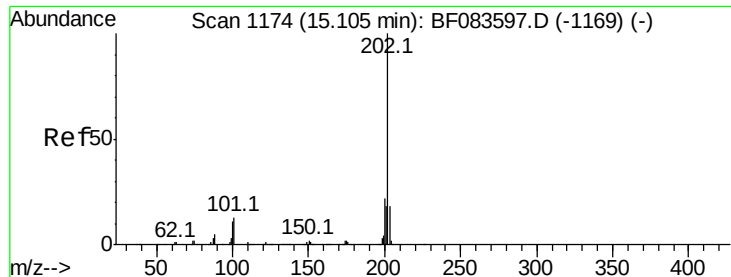
Mmdadoda
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.99 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.1	12.1
236	25.9	20.8	31.2





#77

Pvrene

Concen: 83.83 ng

RT: 15.11 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA_F

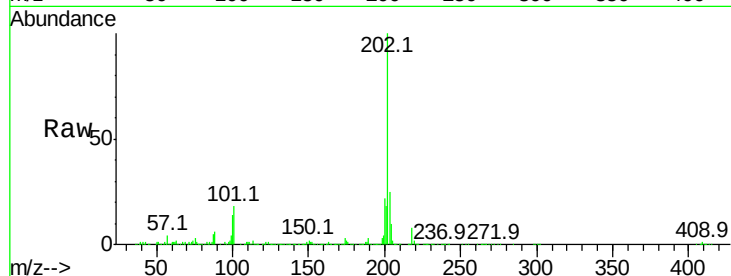
ClientSampleId :

PCPY1

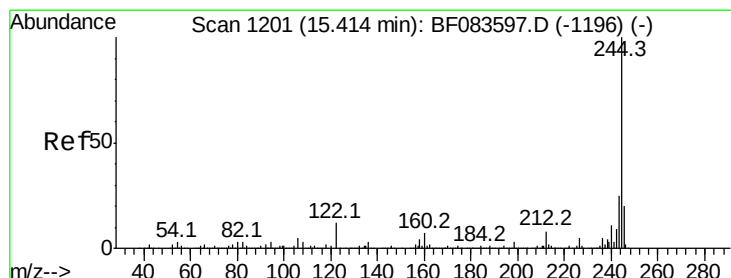
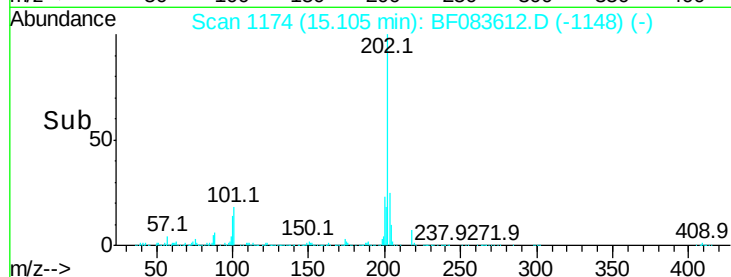
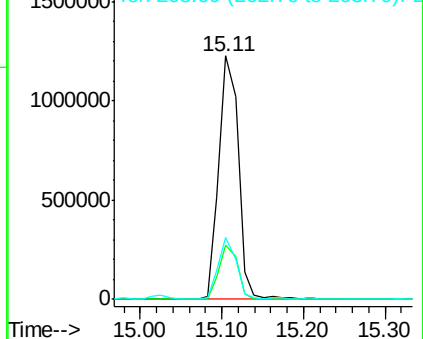
Tot Ion:	202	Resp:	2026667
Ion Ratio	Lower	Upper	
202	100		
200	22.5	16.7	25.1
203	25.2	14.3	21.5#

Manual Integrations
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12/9/2015 6:13:28 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.86 ng

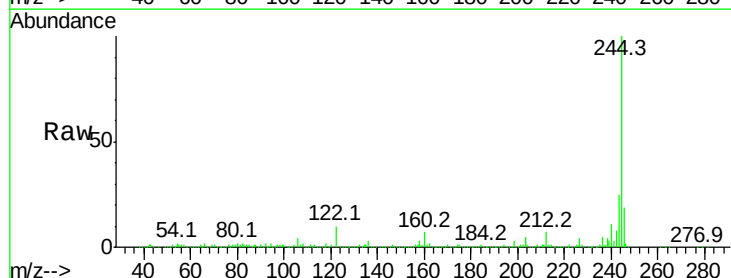
RT: 15.41 min Scan# 1201

Delta R.T. 0.00 min

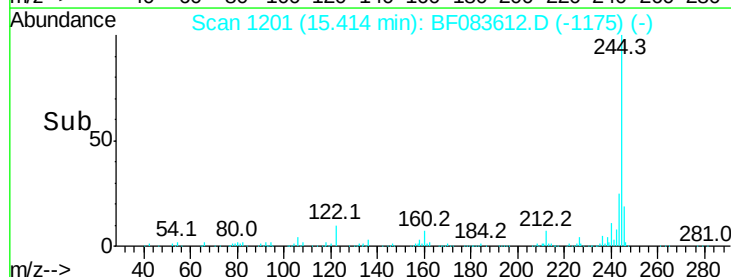
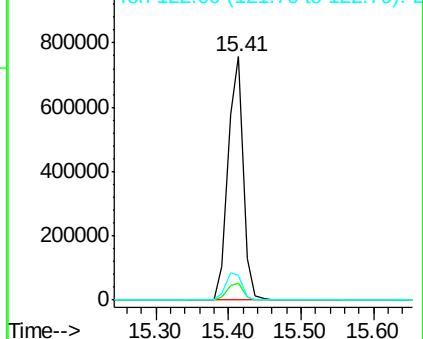
Lab File: BF083612.D

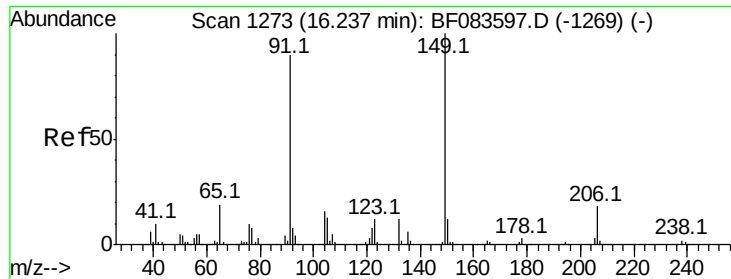
Acq: 8 Dec 2015 23:51

Tgt Ion:	244	Resp:	1096993
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.1	9.1
122	10.3	11.0	16.6#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





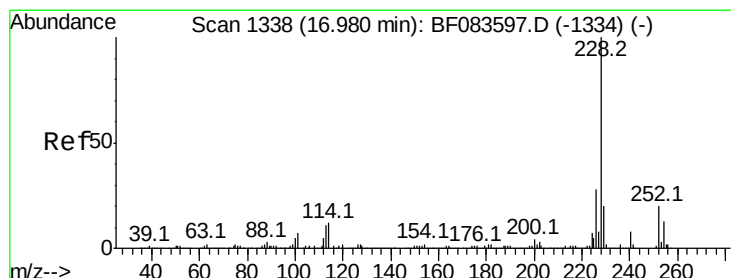
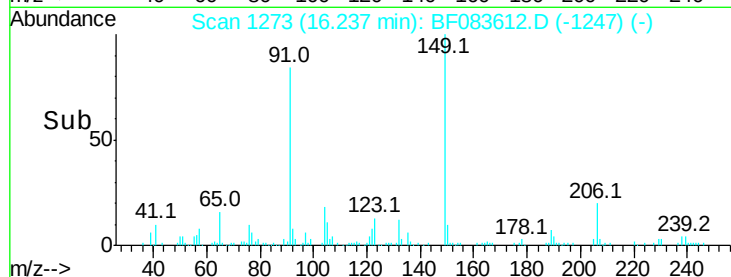
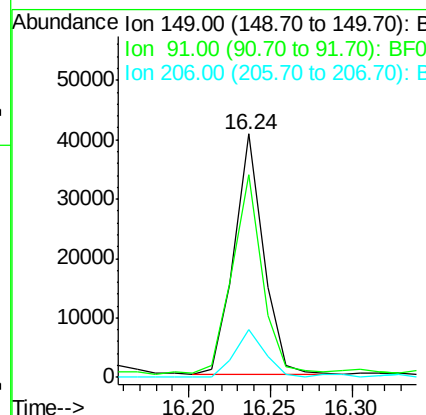
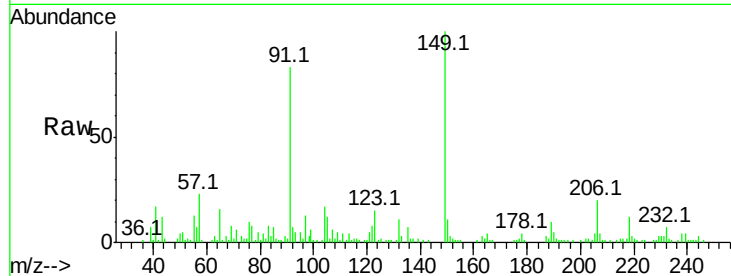
#79
Butylbenzylphthalate
Concen: 4.68 ng
RT: 16.24 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampled :
PCPY1

Tot Ion	Ratio	Lower	Upper
149	100		
91	83.2	60.0	90.0
206	19.8	16.2	24.4

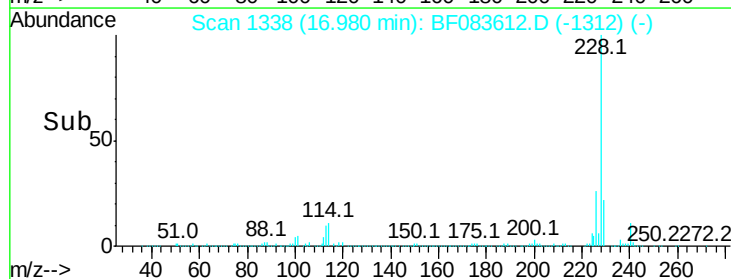
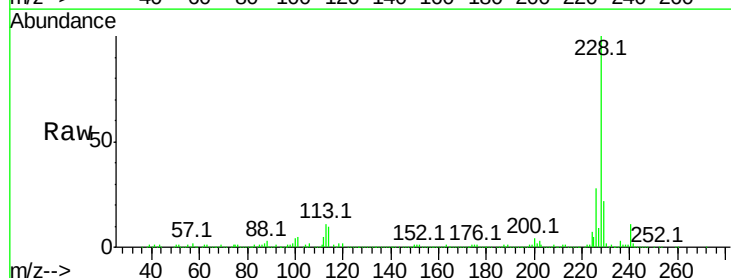
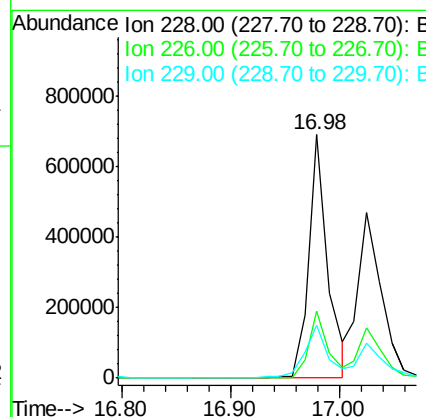
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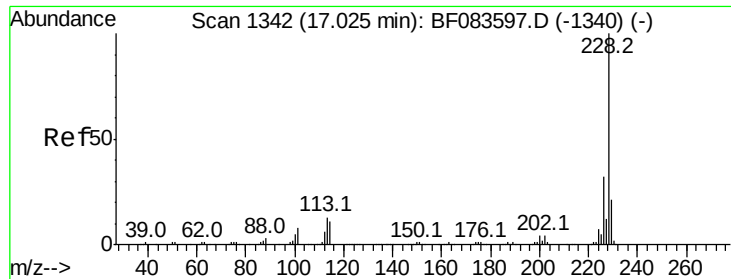
Mmdadoda
12/9/2015 6:13:28 PM



#80
Benzo(a)anthracene
Concen: 42.57 ng
RT: 16.98 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	21.9	15.7	23.5





#82

Chrysene

Concen: 36.05 ng

RT: 17.03 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Instrument :

BNA_F

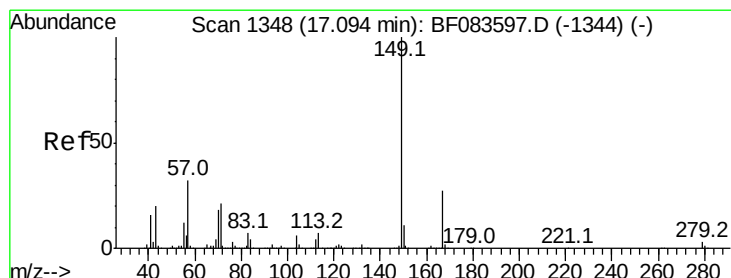
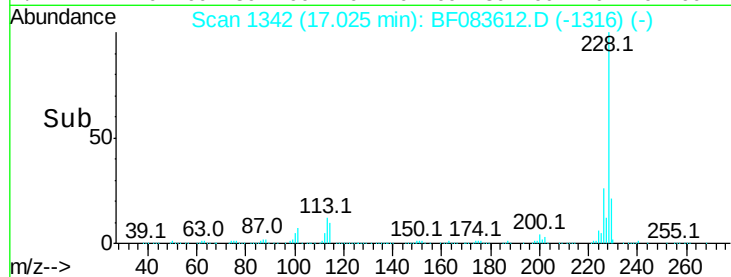
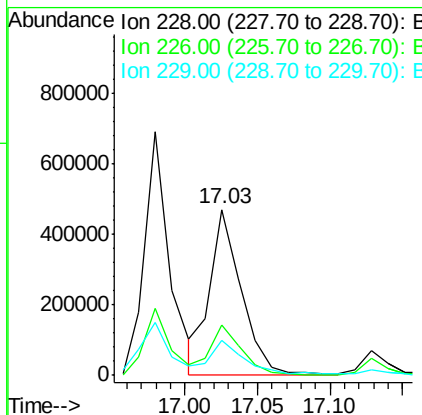
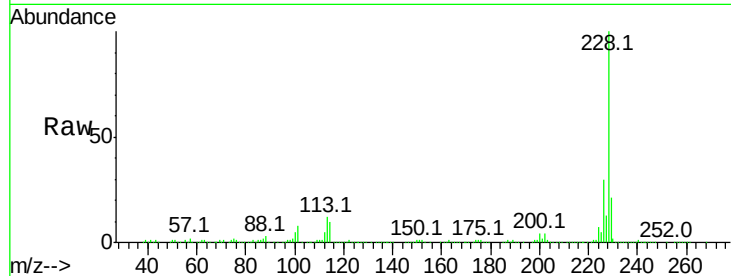
ClientSampleId :

PCPY1

Tot Ion:	228	Resp:	710286
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.7	37.1
229	20.8	16.3	24.5

Manual Integrations
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Mmdadoda
12/9/2015 6:13:28 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

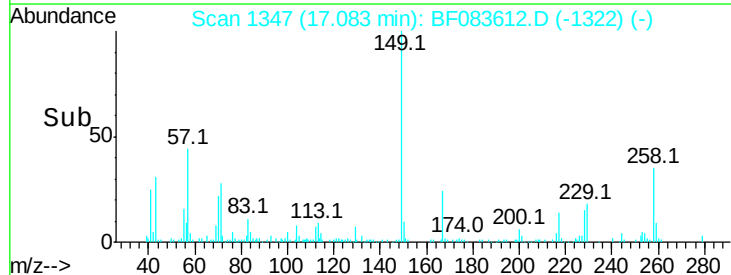
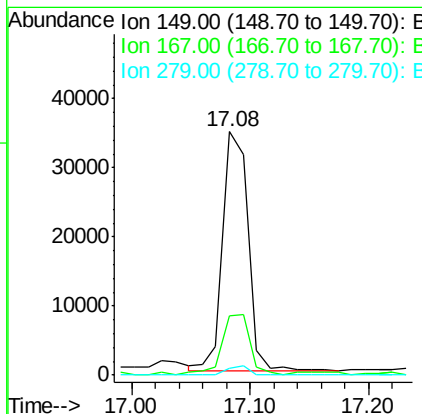
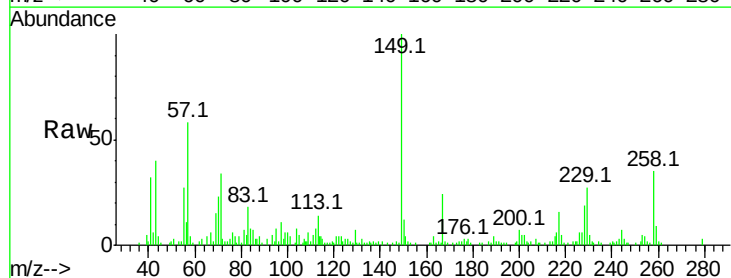
RT: 17.08 min Scan# 1347

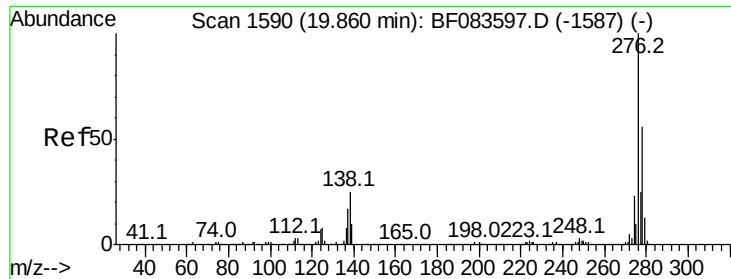
Delta R.T. -0.01 min

Lab File: BF083612.D

Acq: 8 Dec 2015 23:51

Tgt Ion:	149	Resp:	51054
Ion Ratio	Lower	Upper	
149	100		
167	24.4	21.8	32.8
279	2.6	3.0	4.4#





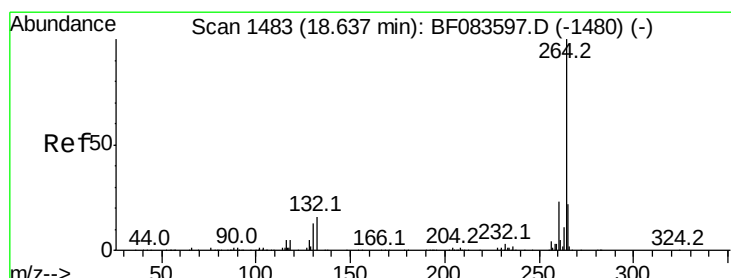
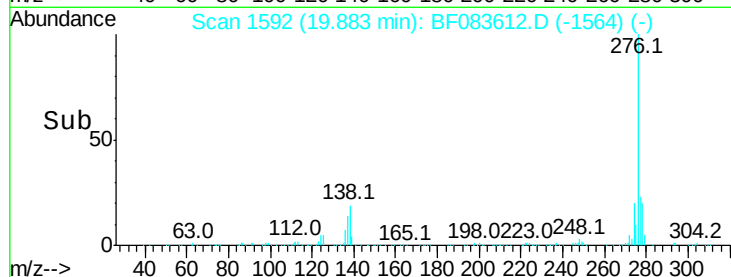
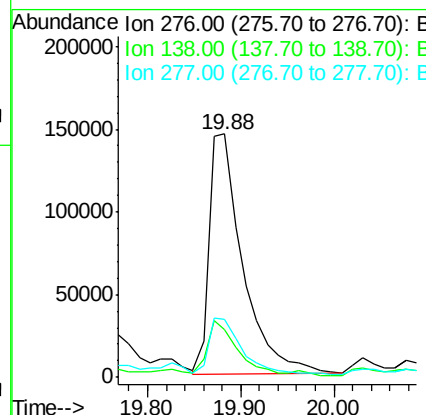
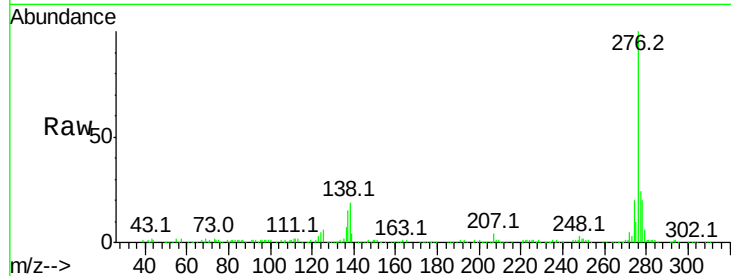
#85
Indeno(1,2,3-cd)pyrene
Concen: 27.45 ng
RT: 19.88 min Scan# 1592
Delta R.T. 0.02 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	23.4	0.0	0.0	0.0
277	23.4	0.0	0.0	0.0

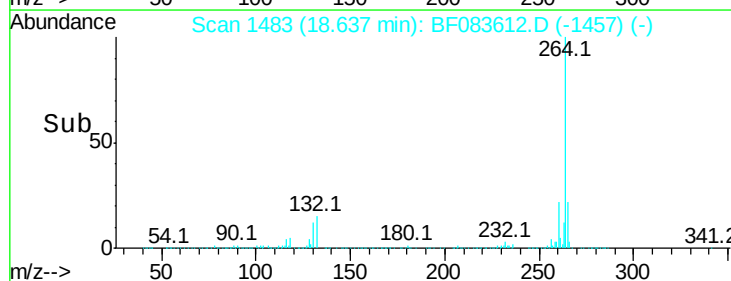
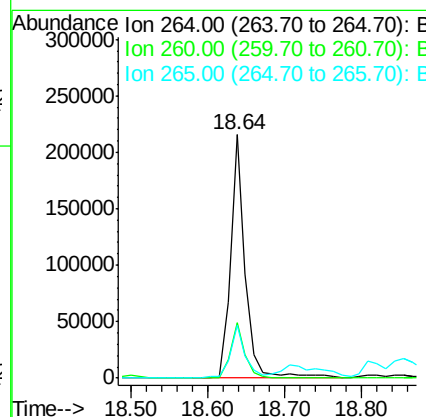
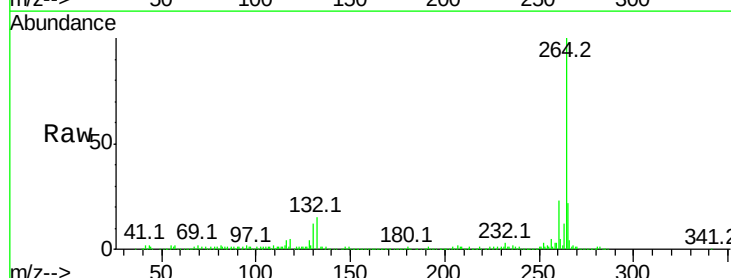
Manual Integrations
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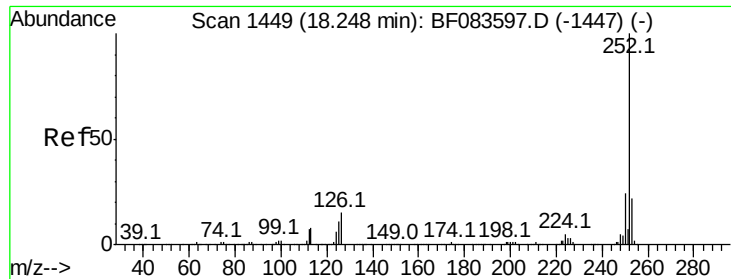
Mmdadoda
12/9/2015 6:13:28 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.6	19.4	29.0	
265	21.9	17.8	26.6	





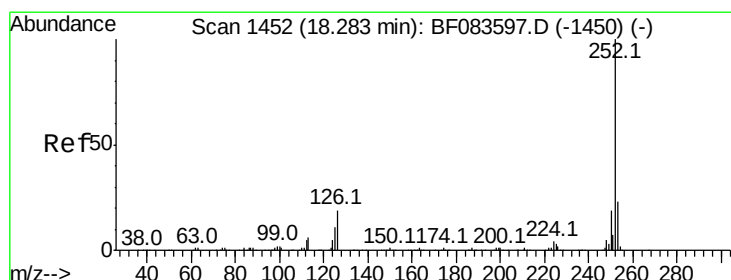
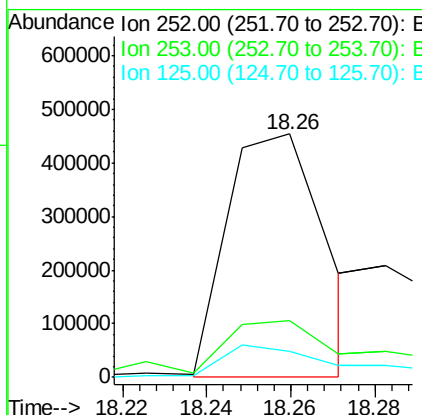
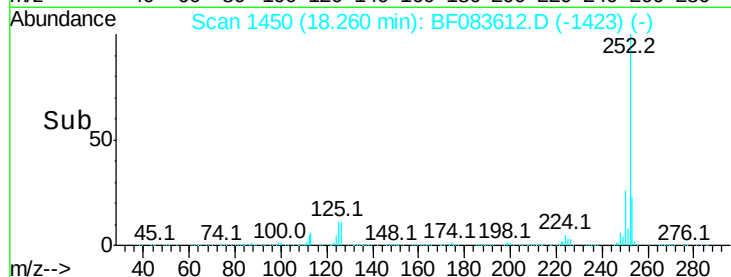
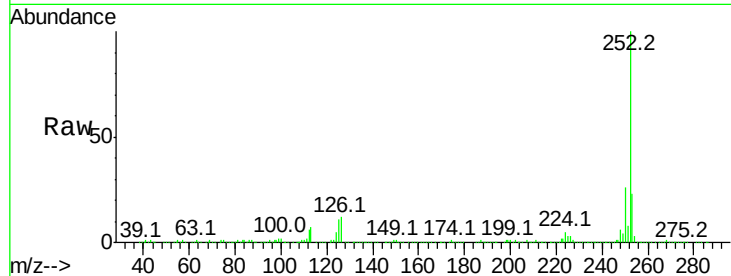
#87
Benzo(b)fluoranthene
Concen: 44.25 ng m
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampleId :
PCPY1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	10.9	8.2	12.4

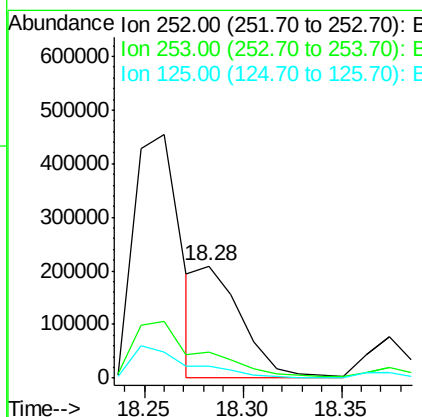
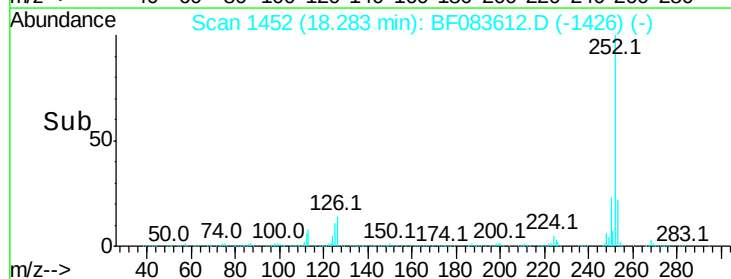
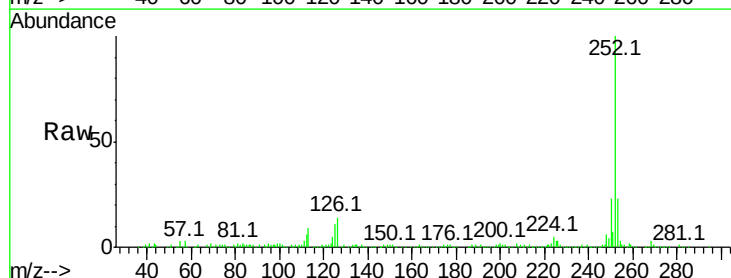
Manual Integrations
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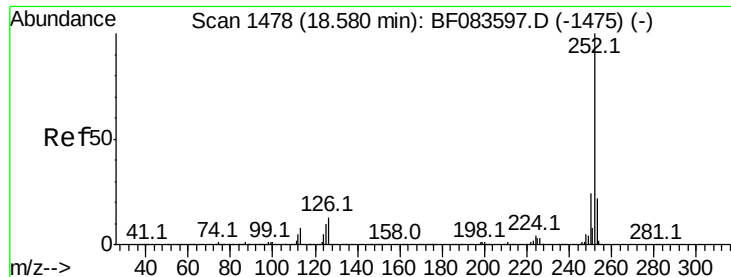
Mmdadoda
12/9/2015 6:13:28 PM



#88
Benzo(k)fluoranthene
Concen: 17.41 ng m
RT: 18.28 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	11.0	11.5	17.3





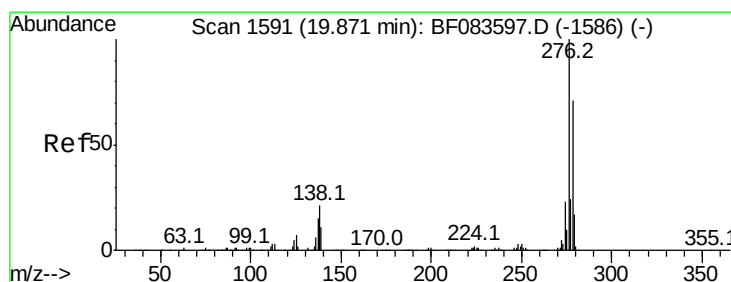
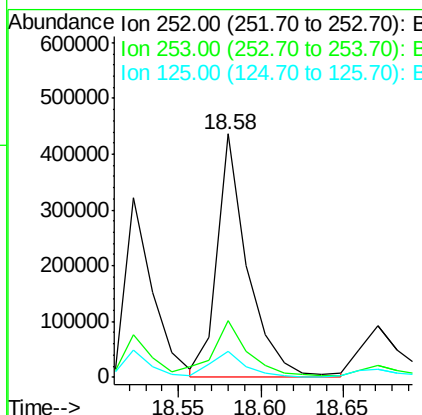
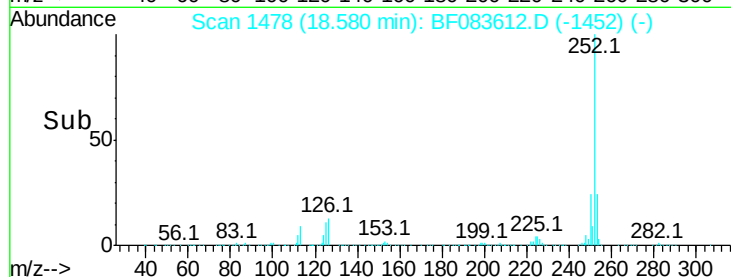
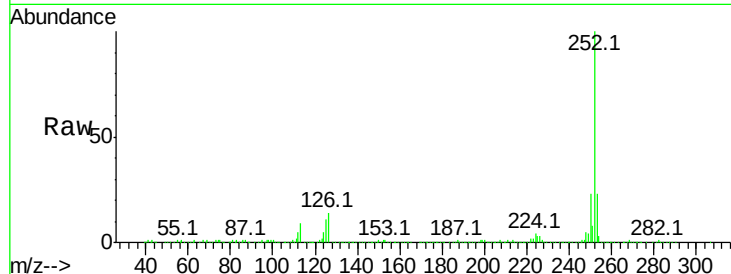
#89
Benzo(a)pyrene
Concen: 35.09 ng m
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Instrument :
BNA_F
ClientSampled :
PCPY1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.8	11.0	16.6

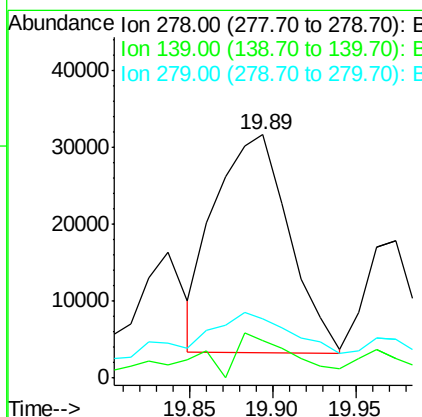
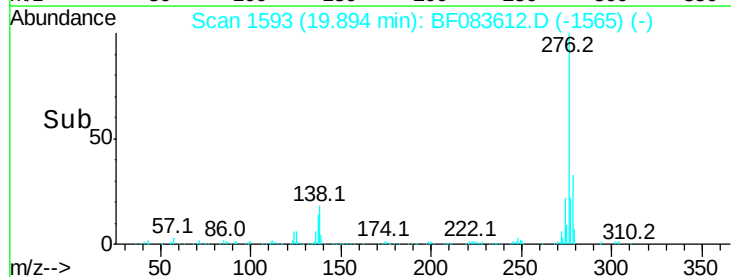
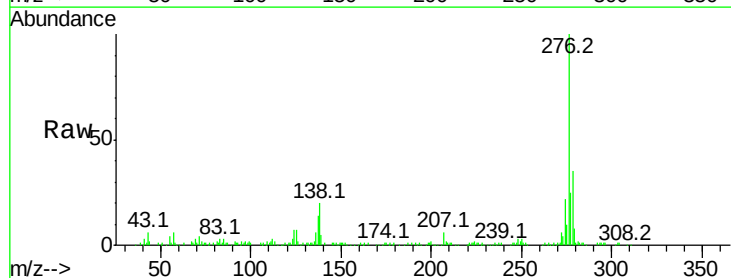
Manual Integrations
APPROVED

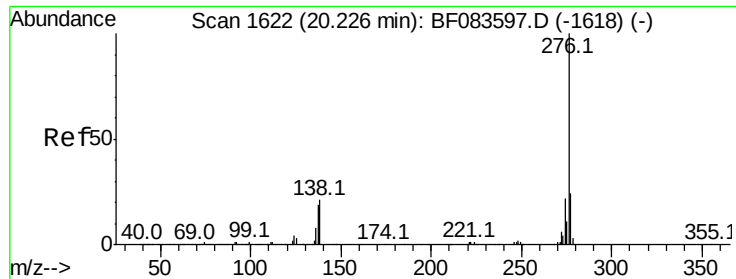
Mmdadoda
12/9/2015 6:13:28 PM



#90
Dibenzo(a,h)anthracene
Concen: 7.08 ng m
RT: 19.89 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF083612.D
Acq: 8 Dec 2015 23:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.8	19.2
279	24.2	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 29.35 ng
 RT: 20.23 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: BF083612.D
 Acq: 8 Dec 2015 23:51

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1

Tot Ion:	276	Resp:	356023
Ion Ratio		Lower	Upper
276	100		
277	24.8	19.2	28.8
138	24.0	19.5	29.3

Manual Integrations
 APPROVED

Mmdadoda
 12/9/2015 6:13:28 PM

