

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083614.D
 Acq On : 9 Dec 2015 00:50
 Operator : UM/IZ
 Sample : G4637-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY2B

Manual Integrations
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 12/9/2015 6:13:29 PM

Quant Time: Dec 09 03:17:08 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	165277	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	628123	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	294855	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	499026	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	312181	20.00	ng	0.00
86) Perylene-d12	18.63	264	301446	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	1227908	112.68	ng	0.01
7) Phenol-d6	5.28	99	1740611	119.55	ng	0.00
23) Nitrobenzene-d5	6.52	82	1079965	80.23	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	310137	118.06	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1556226	74.28	ng	0.00
78) Terphenyl-d14	15.40	244	989388	74.57	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.03	163	376460	16.04	ng	97
51) Acenaphthene	10.43	154	91074	4.99	ng	98
54) Dibenzofuran	10.73	168	59988	2.37	ng	98
57) Fluorene	11.28	166	97445	4.41	ng	100
70) Phenanthrene	12.82	178	1324604	46.20	ng	99
71) Anthracene	12.90	178	331723	11.17	ng	96
72) Carbazole	13.21	167	144135	5.66	ng	100
74) Fluoranthene	14.75	202	1634176	55.71	ng	99
77) Pyrene	15.11	202	1315405	58.53	ng	# 95
80) Benzo(a)anthracene	16.98	228	659198	36.08	ng	98
82) Chrysene	17.03	228	495566	27.05	ng	98
83) Bis(2-ethylhexyl)phthalate	17.08	149	108409	7.83	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.87	276	273057	22.09	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	690062m	40.20	ng	
88) Benzo(k)fluoranthene	18.28	252	193696m	10.24	ng	
89) Benzo(a)pyrene	18.58	252	471972m	28.18	ng	
90) Dibenzo(a,h)anthracene	19.87	278	66531m	5.19	ng	
91) Benzo(g,h,i)perylene	20.23	276	241509	19.34	ng	97

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

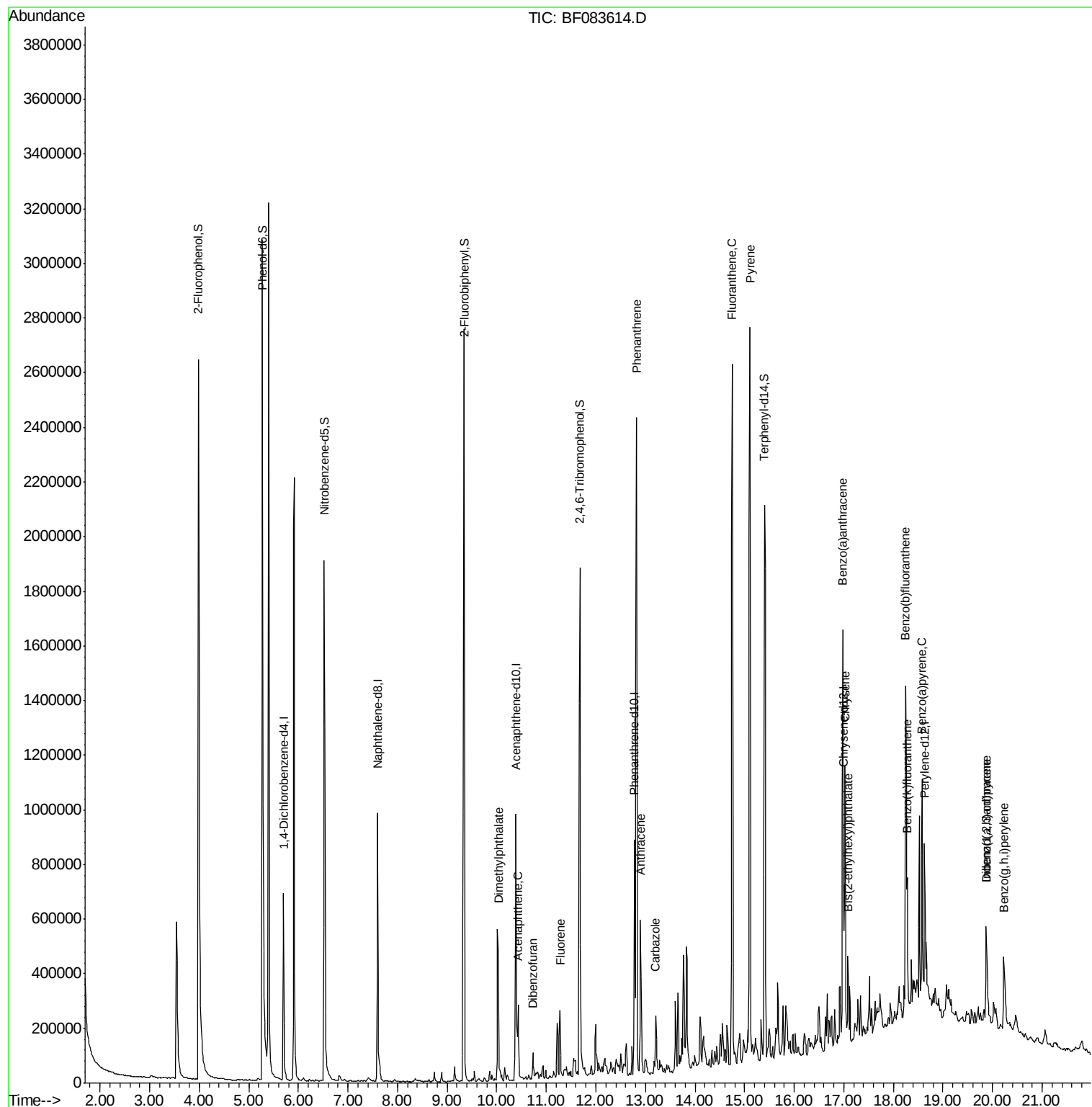
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083614.D
Acq On : 9 Dec 2015 00:50
Operator : UM/IZ
Sample : G4637-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

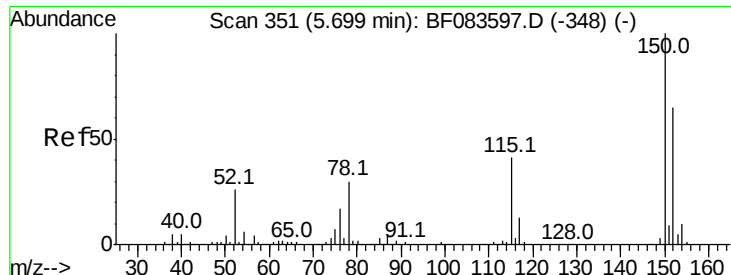
Instrument :
BNA_F
ClientSampleId :
PCPY2B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration





#1

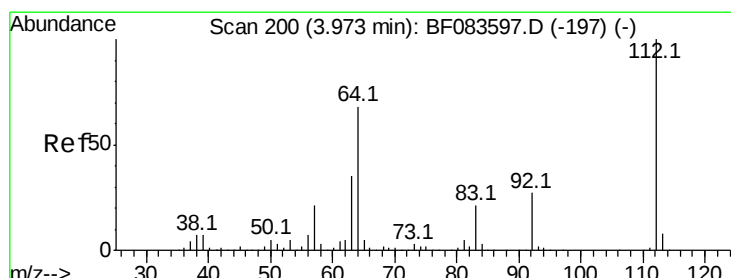
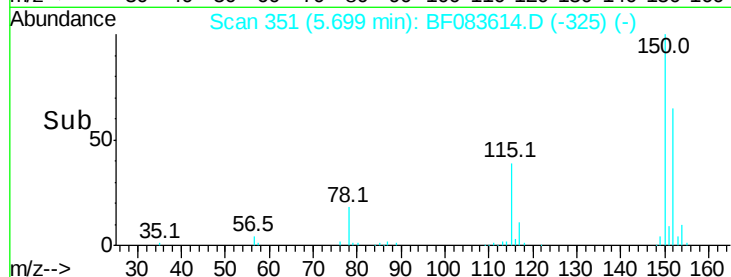
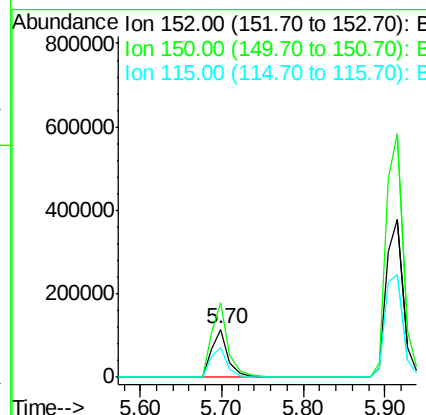
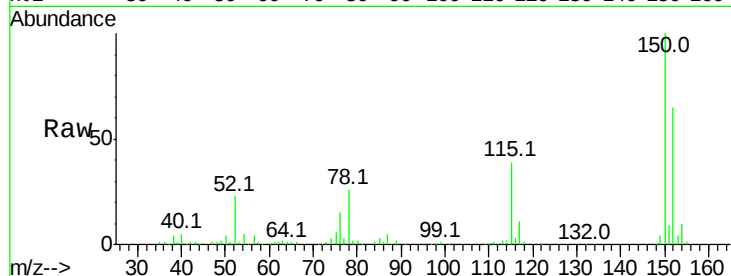
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.5	189.7
115	61.0	52.3	78.5

Manual Integrations
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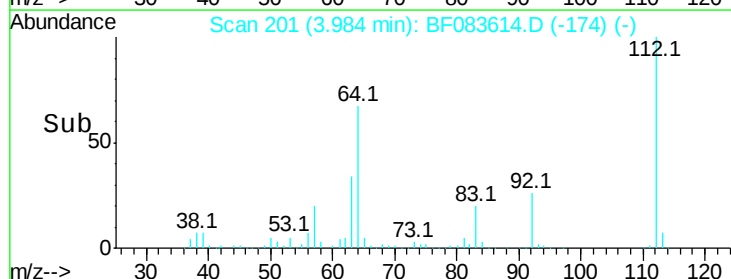
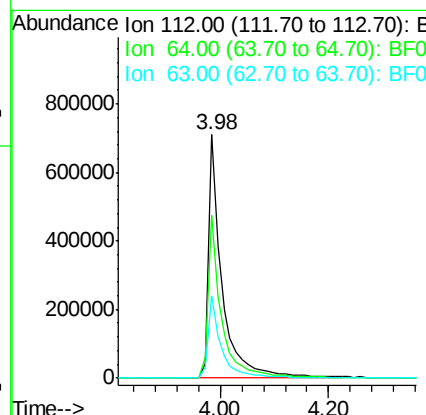
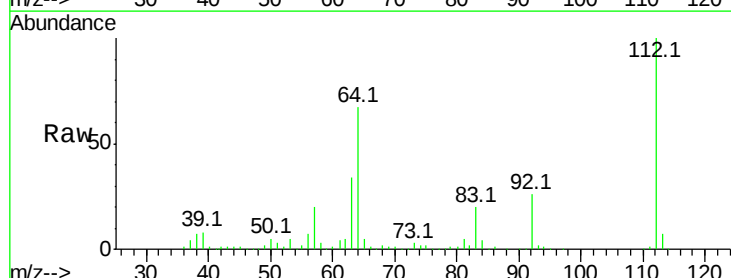
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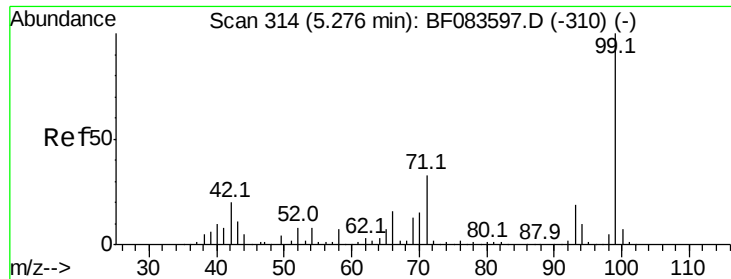


#5

2-Fluorophenol
Concen: 112.68 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	50.5	75.7
63	33.8	25.8	38.6





#7

Phenol-d6

Concen: 119.55 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

Instrument :

BNA_F

ClientSampleId :

PCPY2B

Tot Ion: 99 Resp: 1740611

Ion Ratio Lower Upper

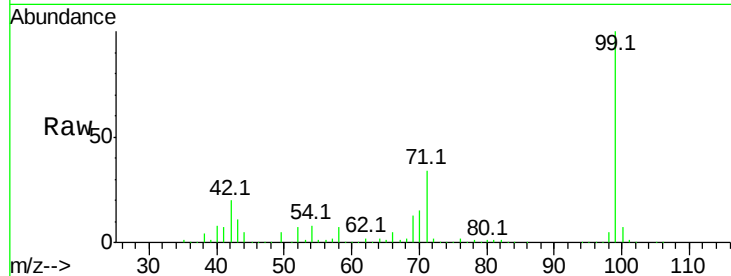
99 100

42 20.4 17.3 25.9

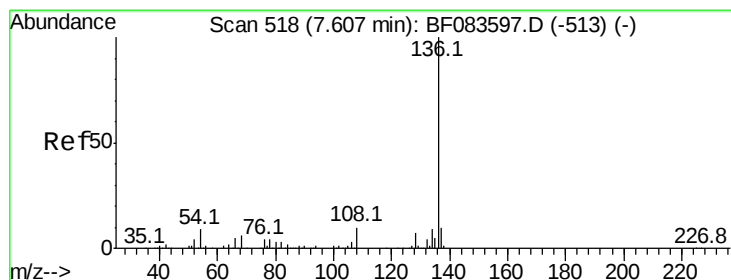
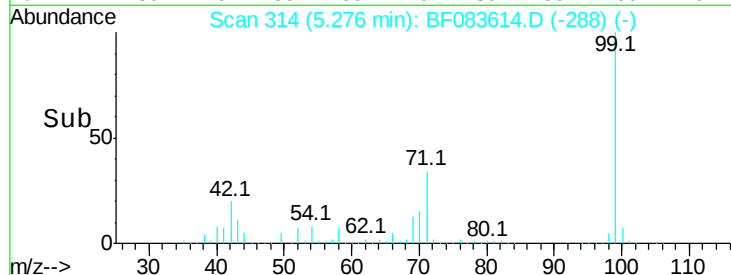
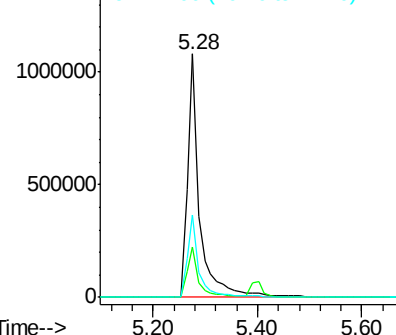
71 33.9 26.6 40.0

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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: 7.60 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

Tgt Ion: 136 Resp: 628123

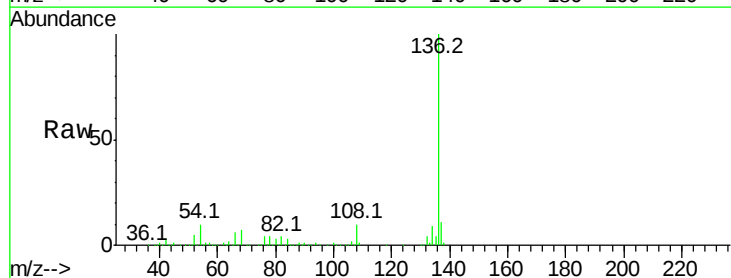
Ion Ratio Lower Upper

136 100

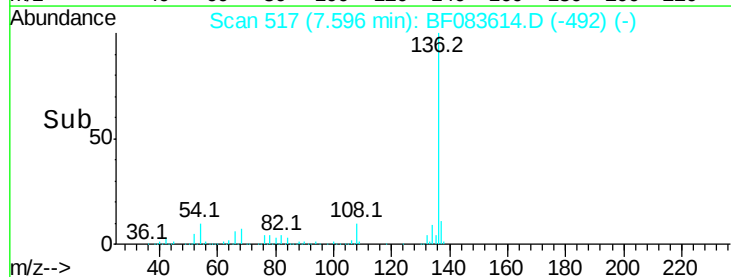
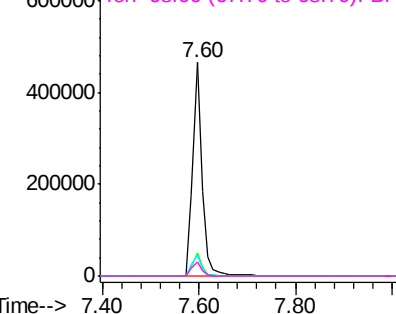
137 10.9 8.7 13.1

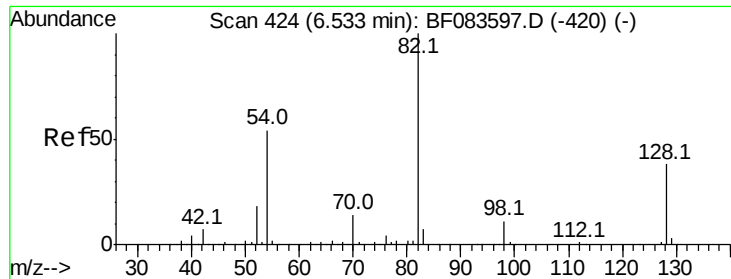
54 9.6 7.8 11.6

68 6.7 5.7 8.5



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





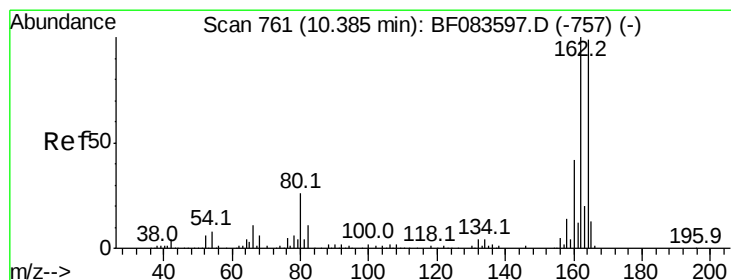
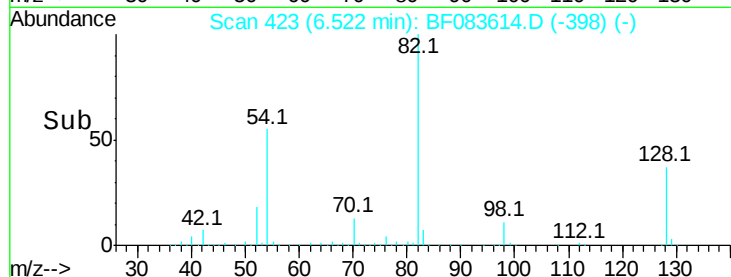
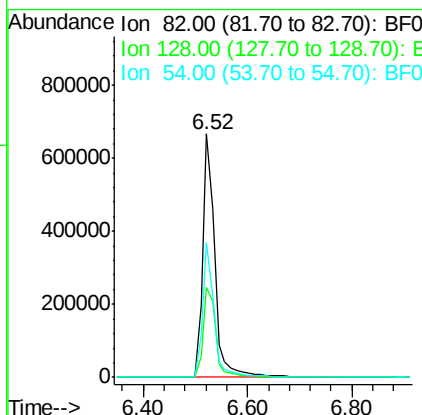
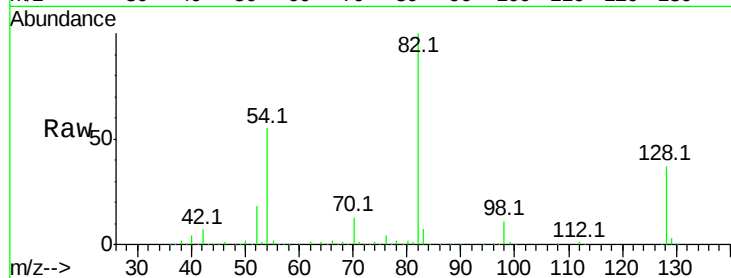
#23
Nitrobenzene-d5
Concen: 80.23 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.7	46.1
54	55.4	42.5	63.7

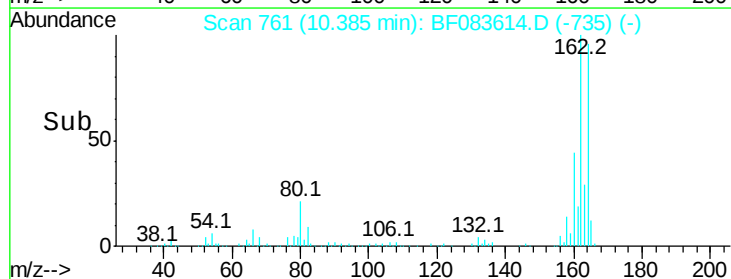
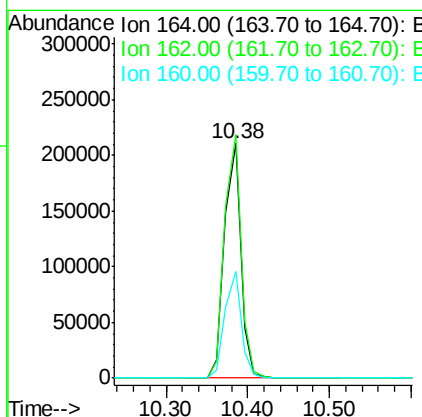
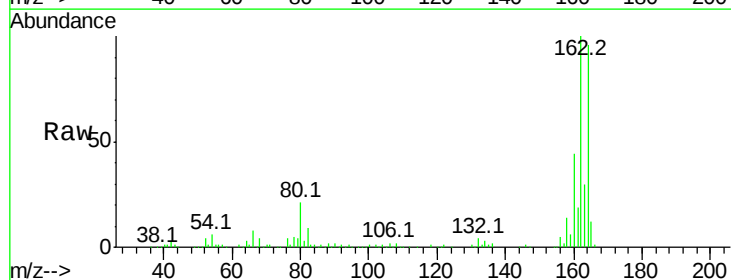
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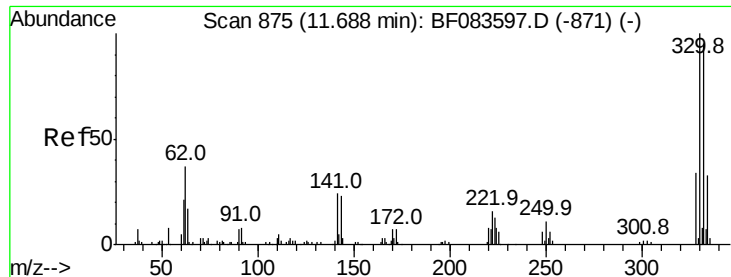
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	45.4	33.4	50.2





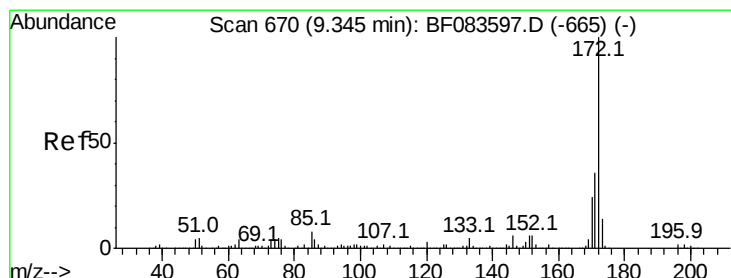
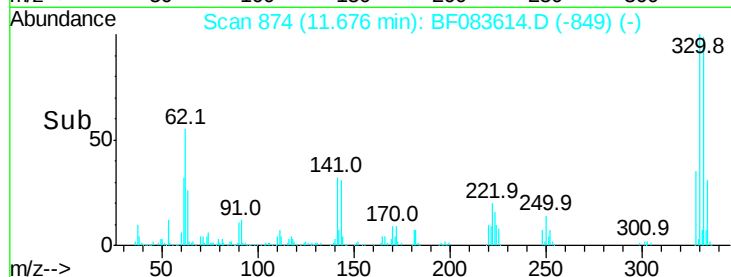
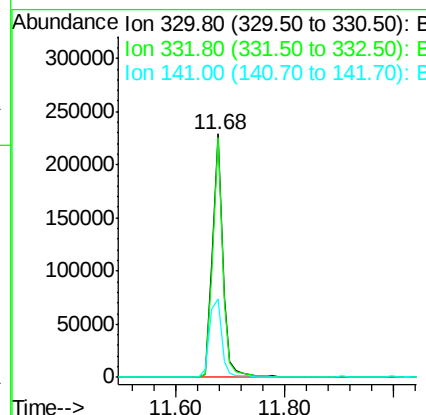
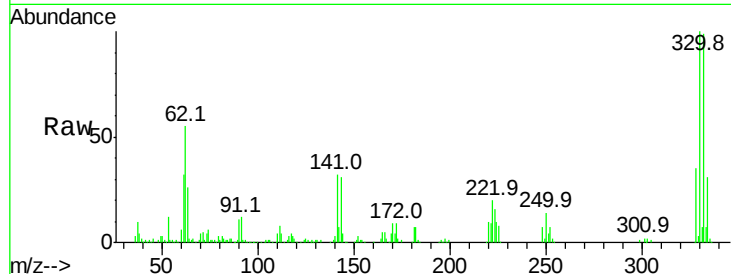
#41
 2,4,6-Tribromophenol
 Concen: 118.06 ng
 RT: 11.68 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF083614.D
 Acq: 9 Dec 2015 00:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY2B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	0.0	0.0	0.0
141	38.4	0.0	0.0	0.0

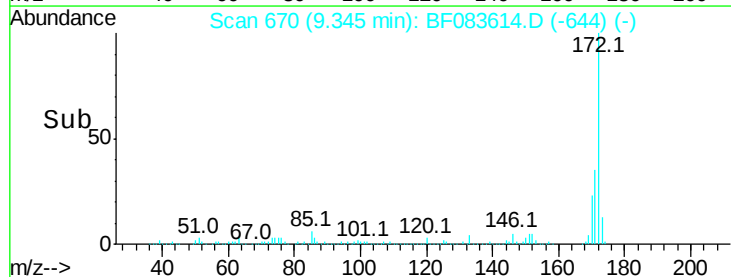
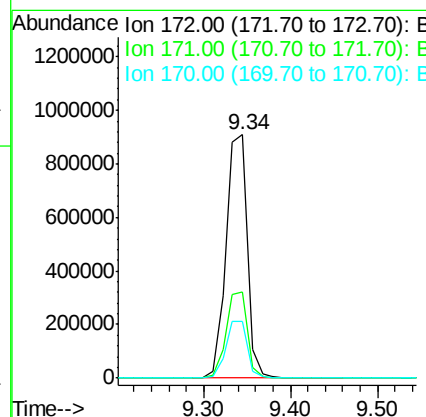
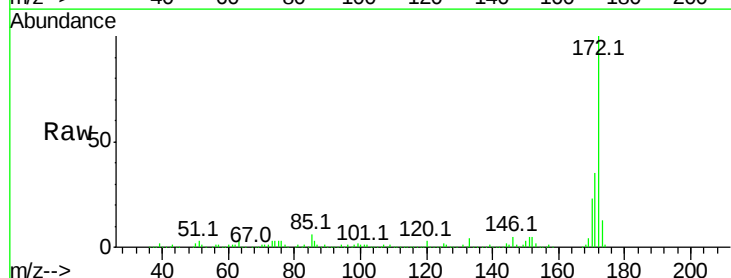
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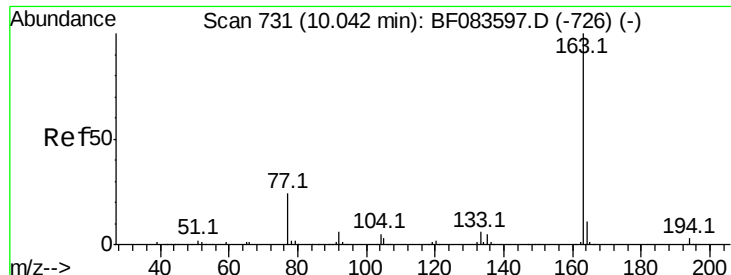
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#44
 2-Fluorobiphenyl
 Concen: 74.28 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083614.D
 Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.6	42.8	
170	23.5	19.4	29.0	





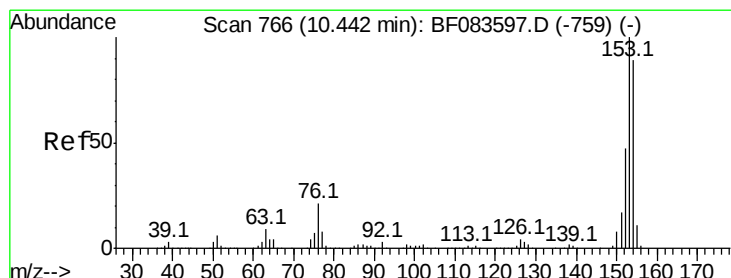
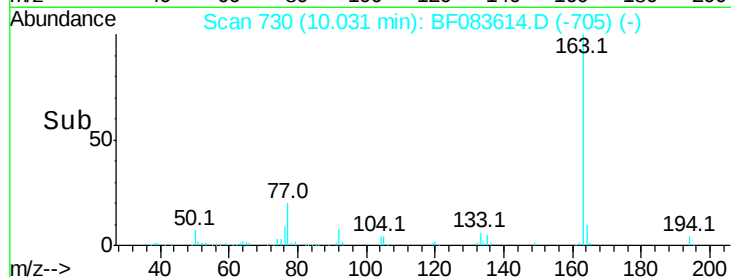
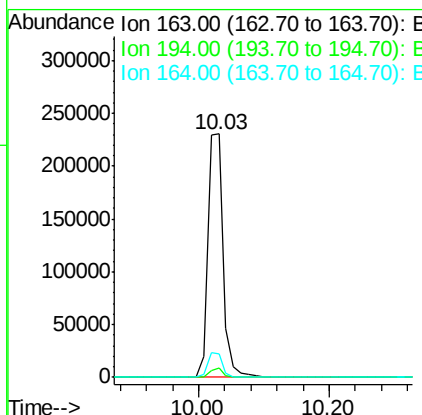
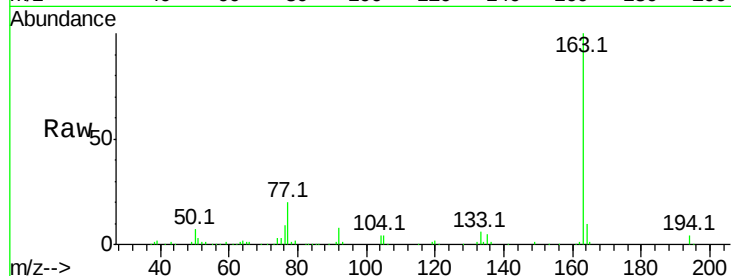
#49
Dimethylphthalate
Concen: 16.04 ng
RT: 10.03 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	376460		
194	3.6		2.8	4.2
164	9.6		8.6	13.0

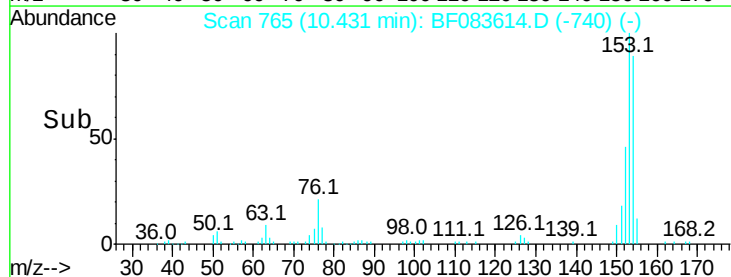
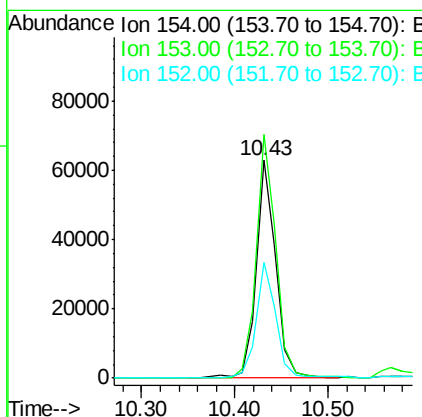
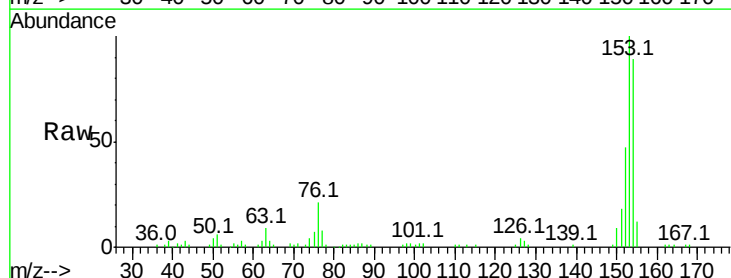
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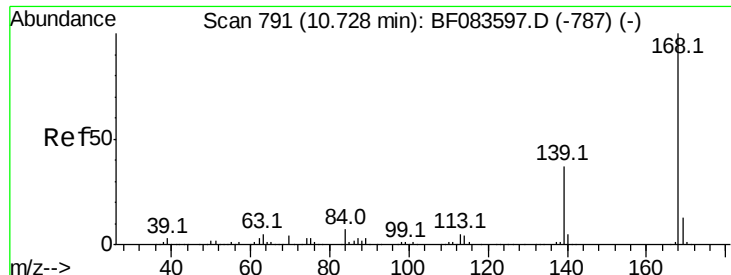
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#51
Acenaphthene
Concen: 4.99 ng
RT: 10.43 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91074		
153	111.9		91.4	137.0
152	53.1		43.4	65.2





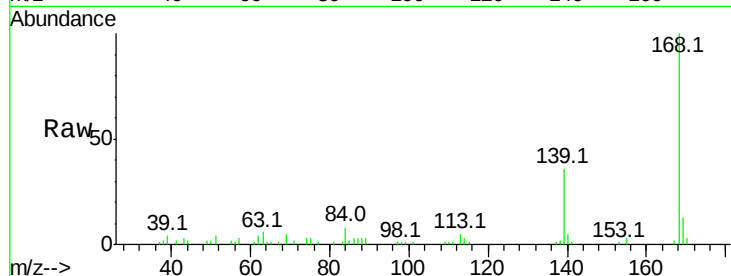
#54
Dibenzofuran
Concen: 2.37 ng
RT: 10.73 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

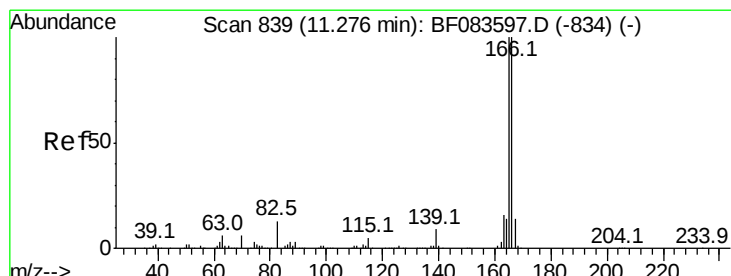
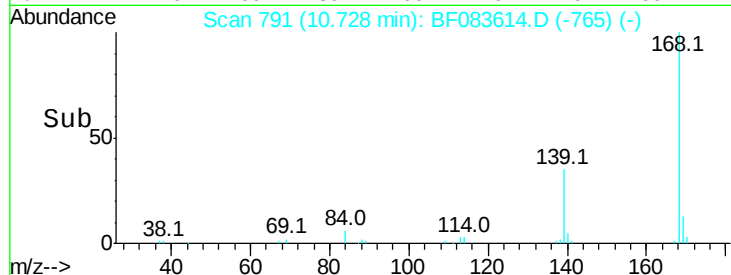
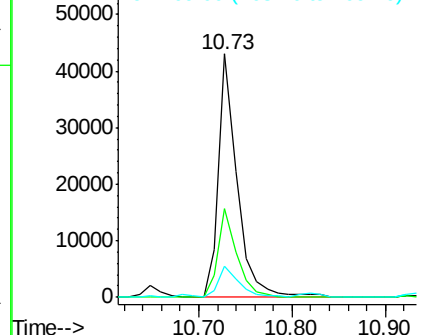
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	28.0	42.0
169	13.0	10.8	16.2

Manual Integrations
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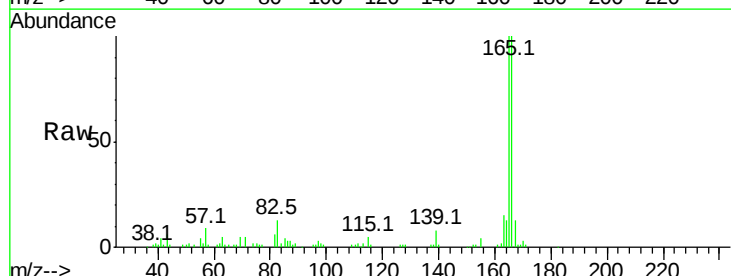


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

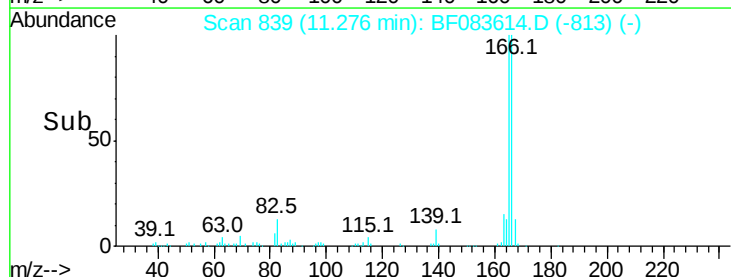
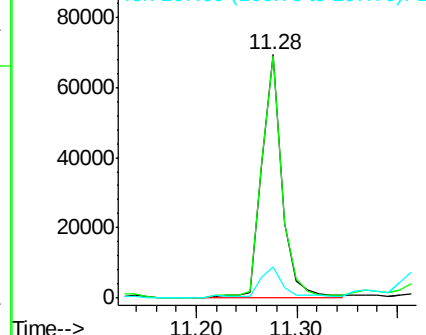


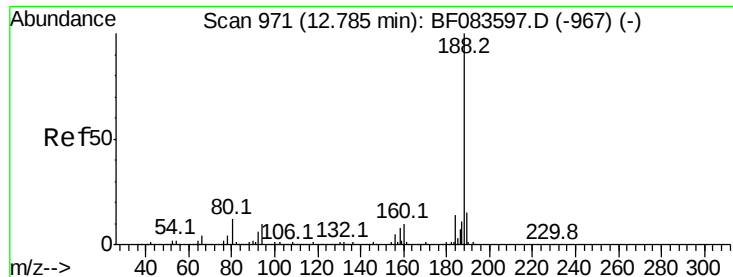
#57
Fluorene
Concen: 4.41 ng
RT: 11.28 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.0	120.0
167	12.8	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





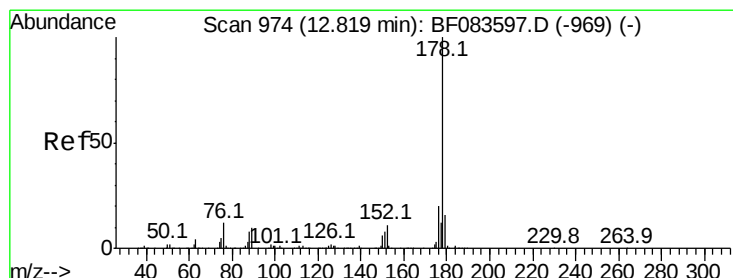
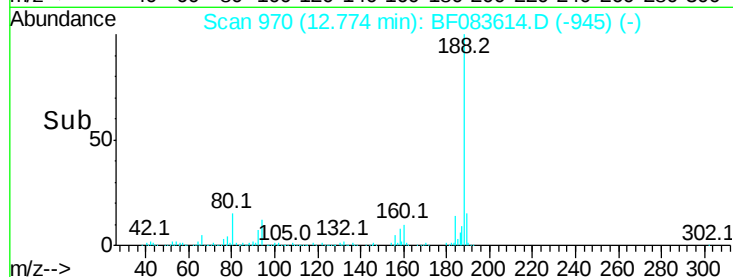
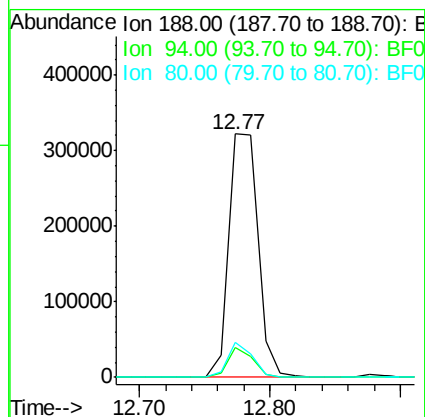
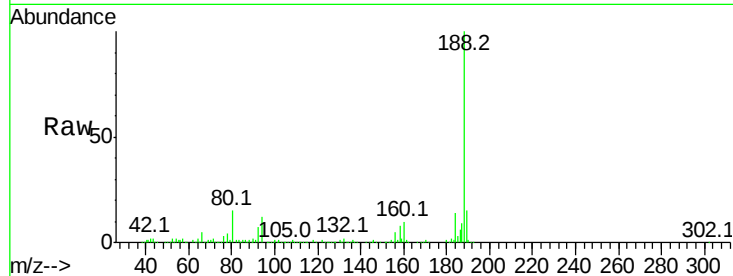
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.3	9.4	14.2
80	14.5	10.6	16.0

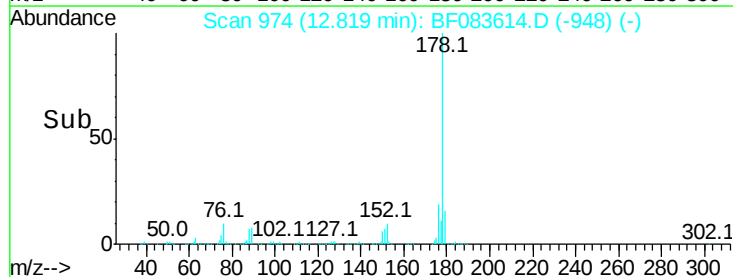
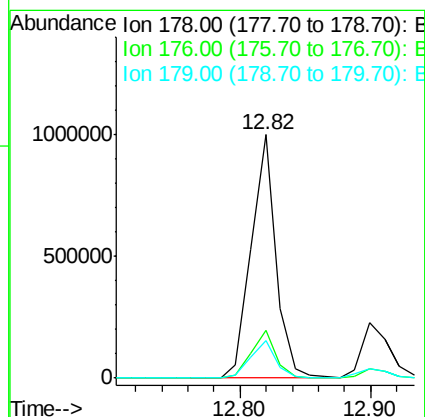
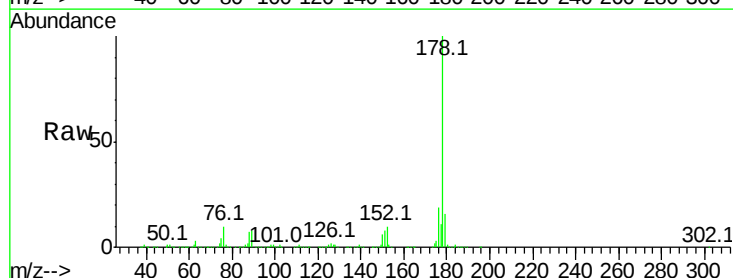
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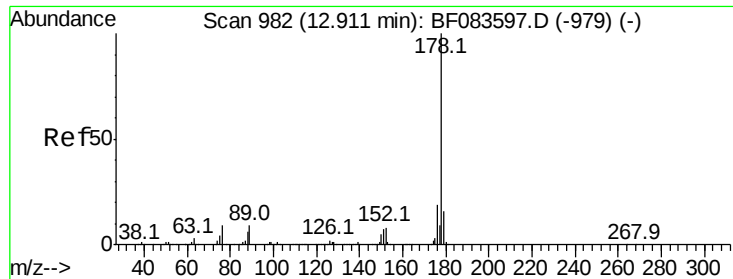
Mmdadoda
12/9/2015 6:13:29 PM



#70
Phenanthrene
Concen: 46.20 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.7	12.2	18.4





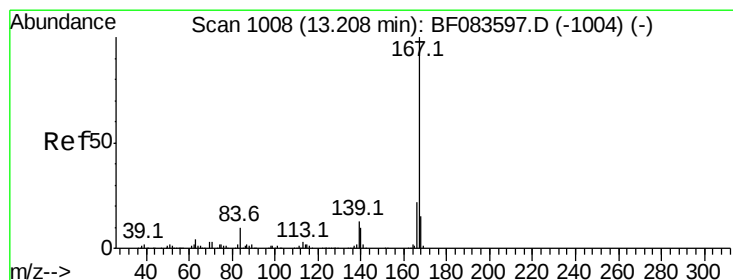
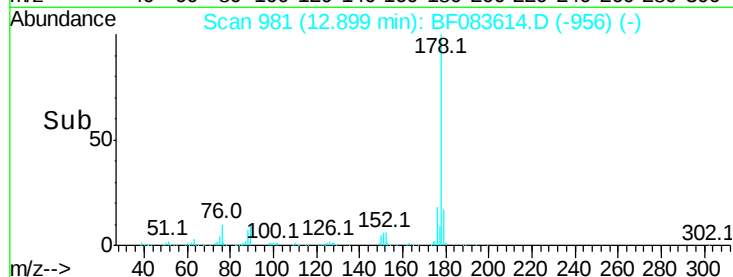
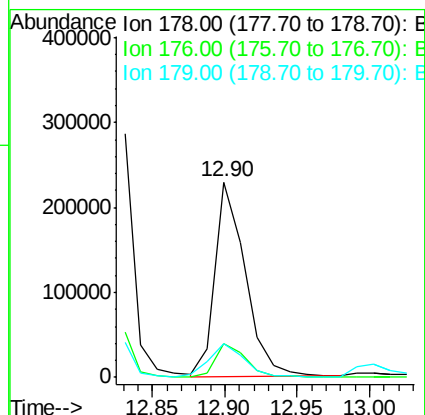
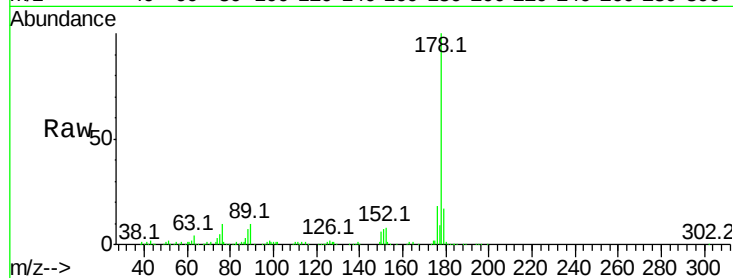
#71
 Anthracene
 Concen: 11.17 ng
 RT: 12.90 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF083614.D
 Acq: 9 Dec 2015 00:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY2B

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.2	22.8
179	17.4	12.6	18.8

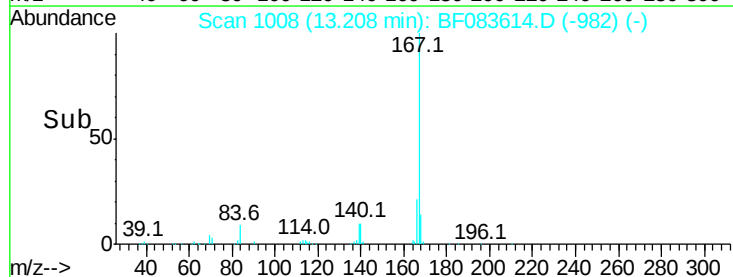
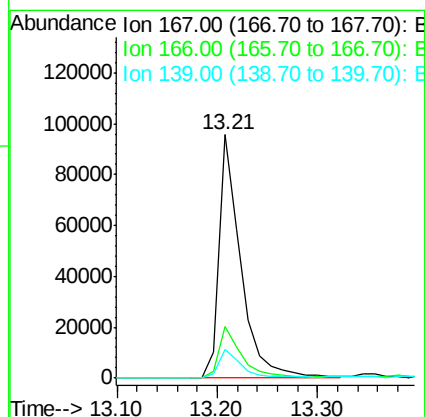
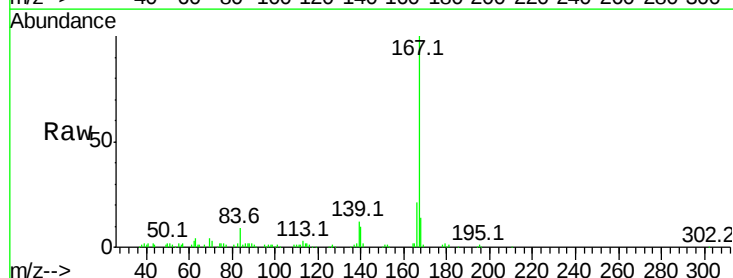
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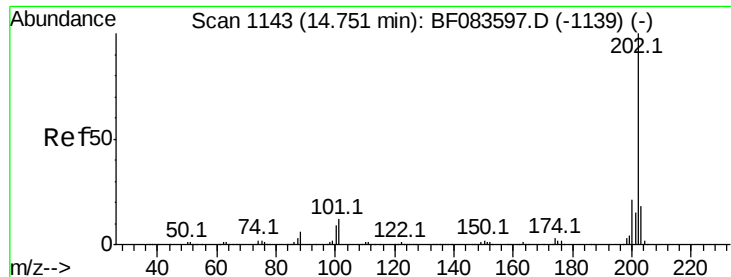
Mmdadoda
 12/9/2015 6:13:29 PM



#72
 Carbazole
 Concen: 5.66 ng
 RT: 13.21 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BF083614.D
 Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.5	9.3	13.9





#74

Fluoranthene

Concen: 55.71 ng

RT: 14.75 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

Instrument :

BNA_F

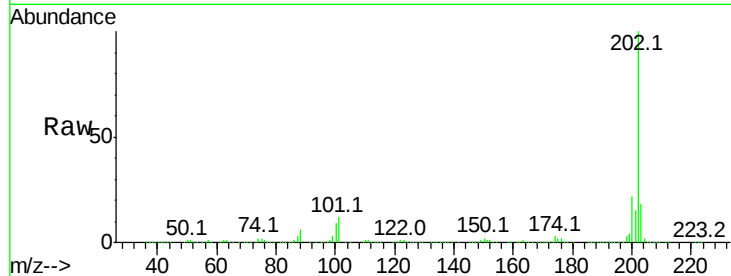
ClientSampleId :

PCPY2B

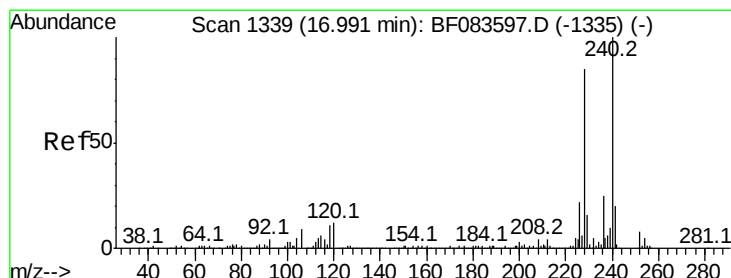
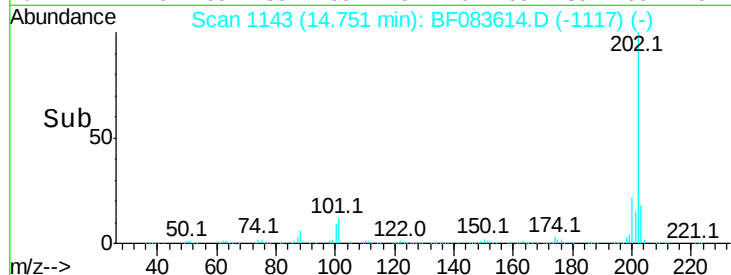
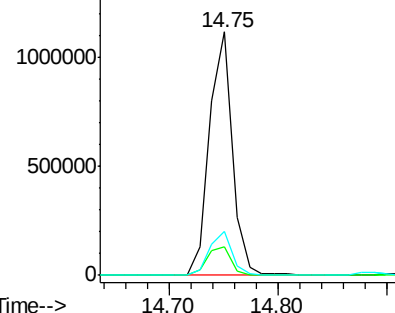
Tot Ion:	202	Resp:	1634176
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	18.0	0.0	37.6

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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

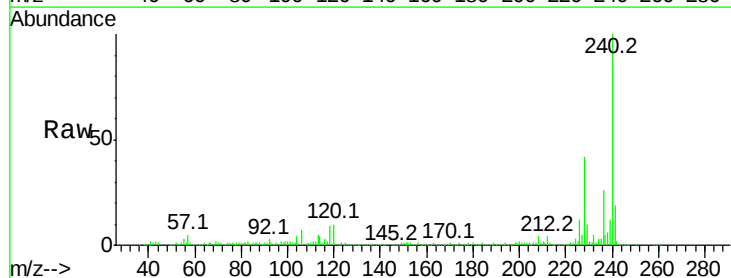
RT: 16.99 min Scan# 1339

Delta R.T. 0.00 min

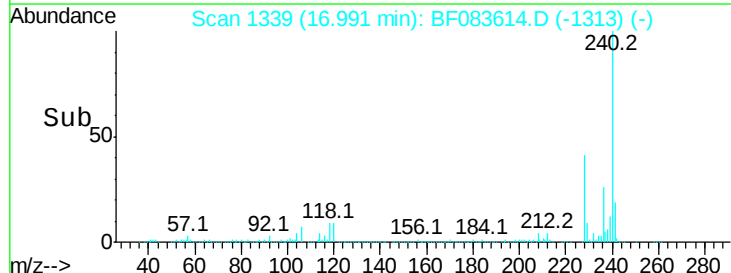
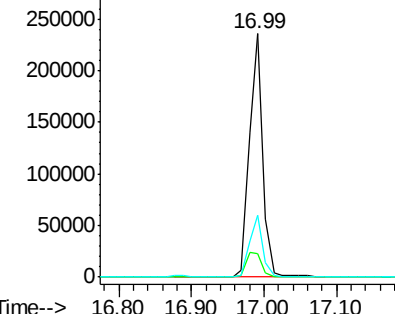
Lab File: BF083614.D

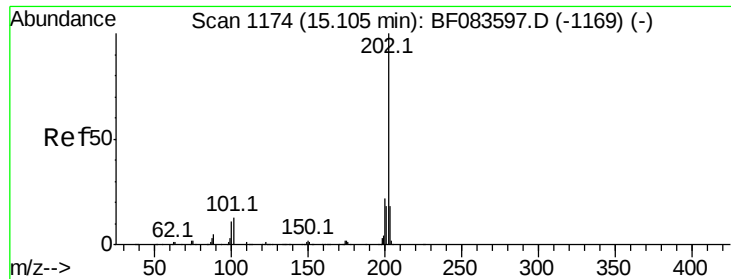
Acq: 9 Dec 2015 00:50

Tgt Ion:	240	Resp:	312181
Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.1	12.1
236	25.5	20.8	31.2



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

Pvrene

Concen: 58.53 ng

RT: 15.11 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

Instrument :

BNA_F

ClientSampleId :

PCPY2B

Tot Ion:202 Resp: 1315405

Ion Ratio Lower Upper

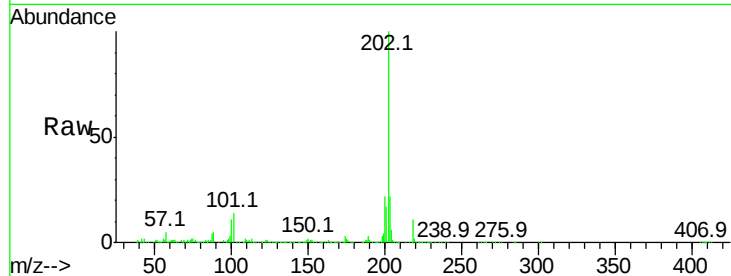
202 100

200 22.0 16.7 25.1

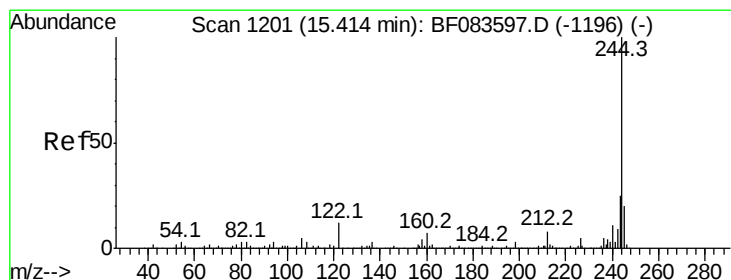
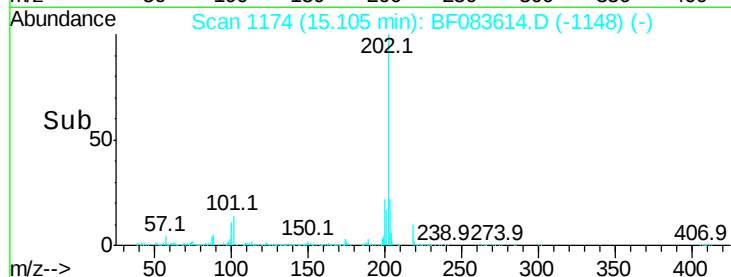
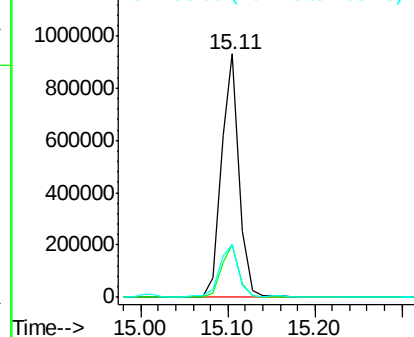
203 21.7 14.3 21.5#

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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: 74.57 ng

RT: 15.40 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

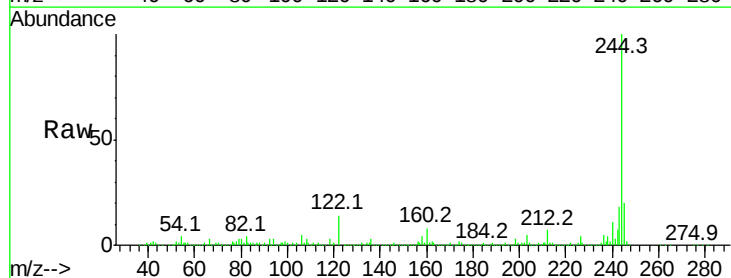
Tgt Ion:244 Resp: 989388

Ion Ratio Lower Upper

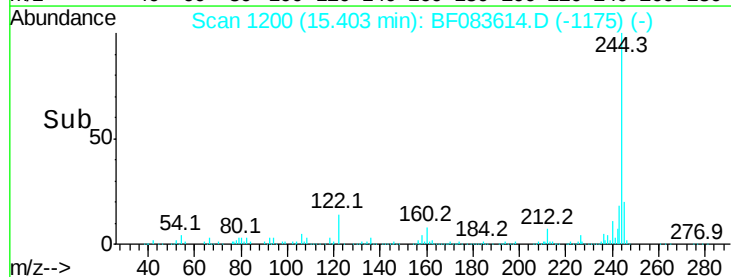
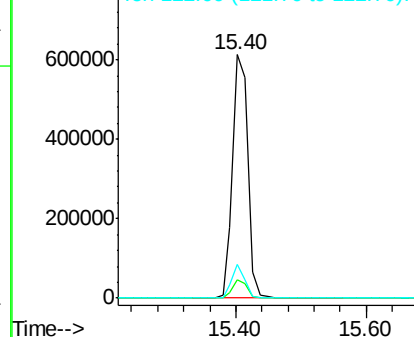
244 100

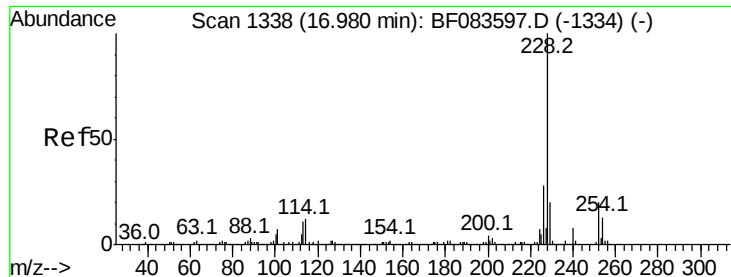
212 7.4 6.1 9.1

122 13.7 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





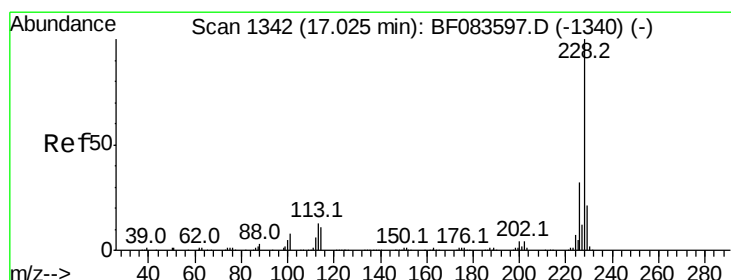
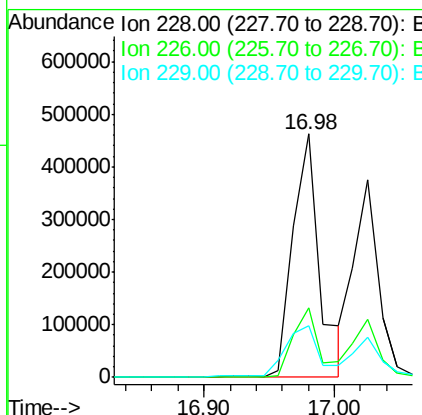
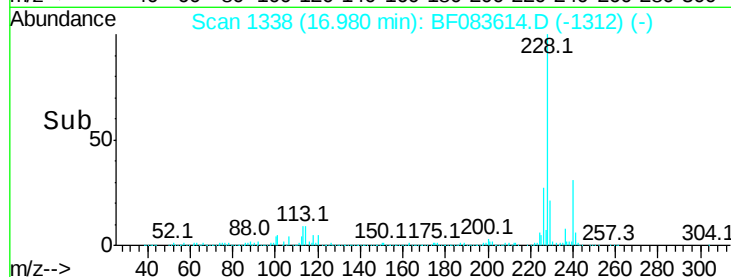
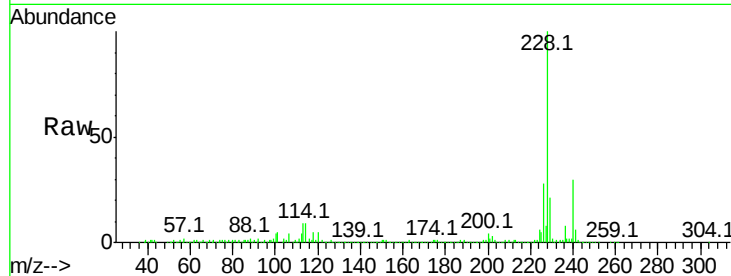
#80
Benzo(a)anthracene
Concen: 36.08 ng
RT: 16.98 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	21.1	15.7	23.5

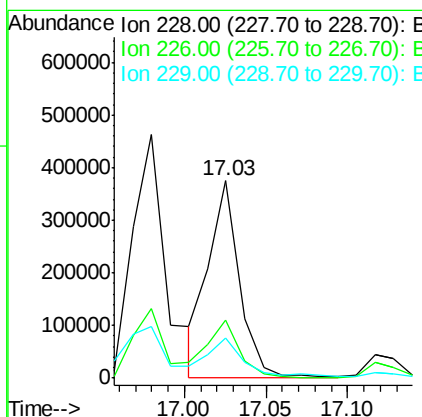
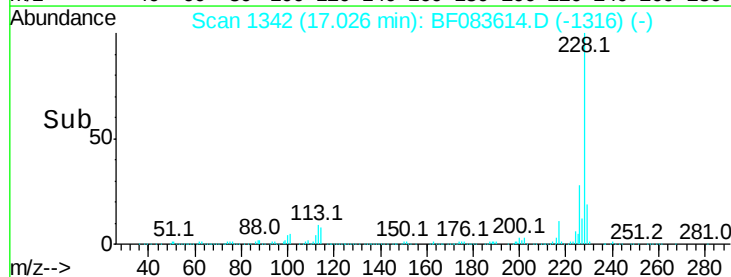
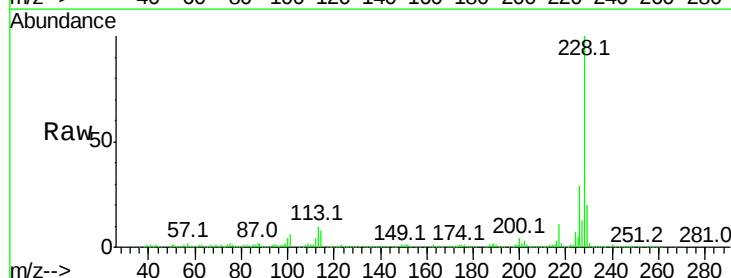
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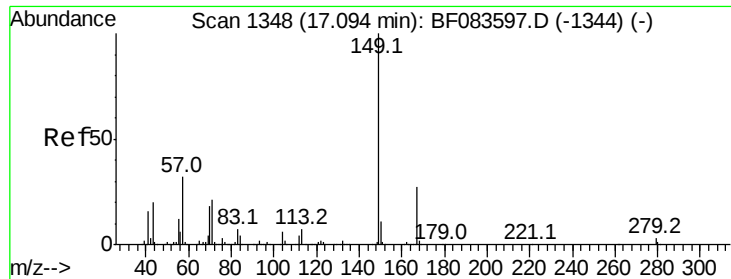
Mmdadoda
12/9/2015 6:13:29 PM



#82
Chrysene
Concen: 27.05 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.7	37.1
229	20.2	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.83 ng

RT: 17.08 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF083614.D

Acq: 9 Dec 2015 00:50

Instrument :

BNA_F

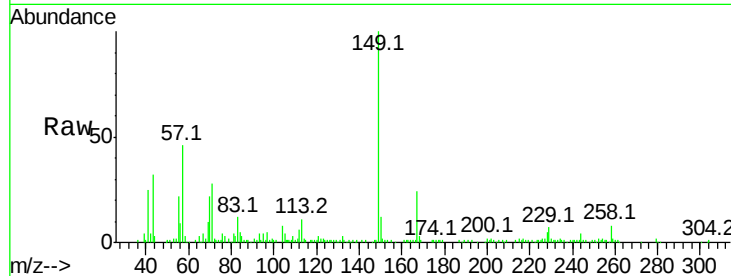
ClientSampleId :

PCPY2B

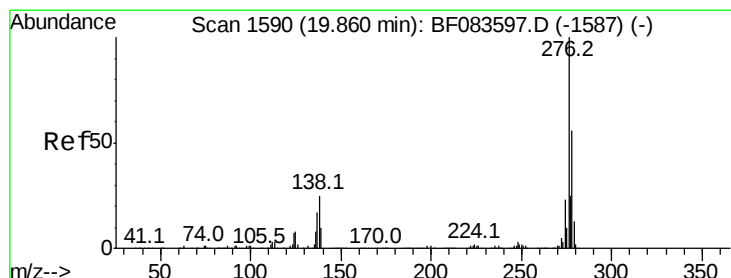
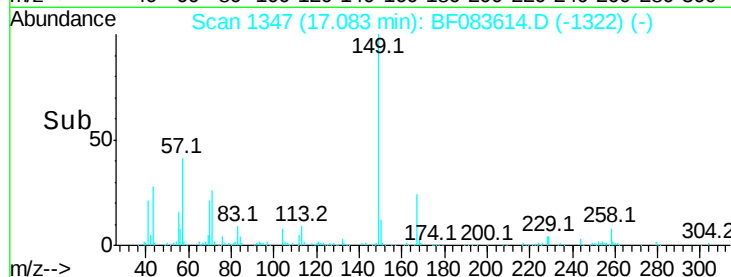
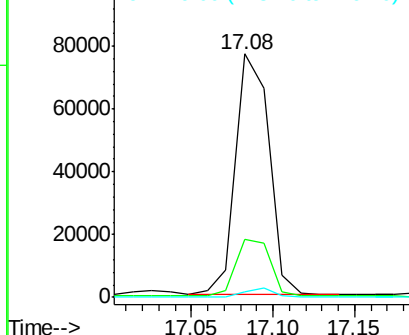
Tot Ion:	149	Resp:	108409
Ion Ratio	Lower	Upper	
149	100		
167	24.0	21.8	32.8
279	2.4	3.0	4.4#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 22.09 ng

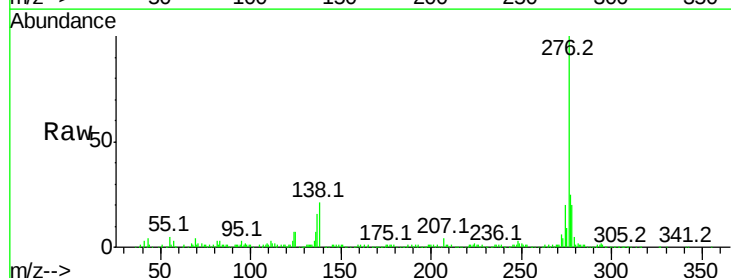
RT: 19.87 min Scan# 1591

Delta R.T. 0.01 min

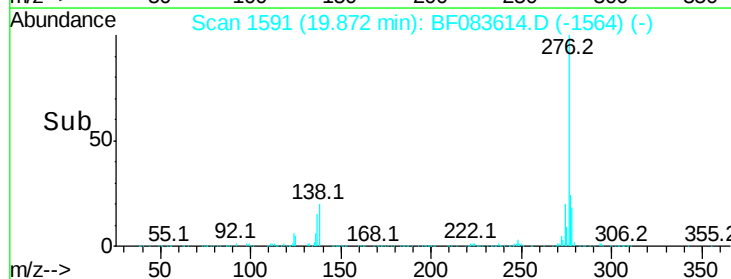
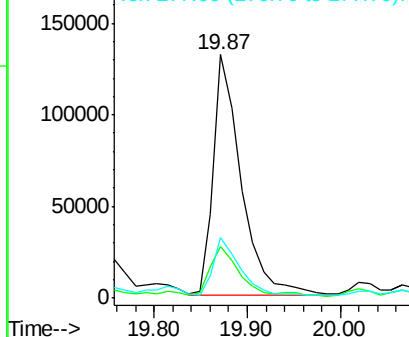
Lab File: BF083614.D

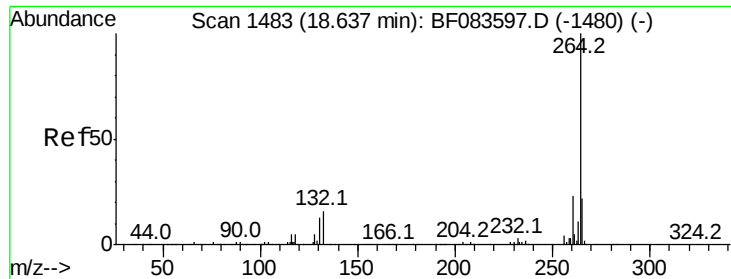
Acq: 9 Dec 2015 00:50

Tgt Ion:	276	Resp:	273057
Ion Ratio	Lower	Upper	
276	100		
138	19.6	0.0	0.0#
277	23.7	0.0	0.0#



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





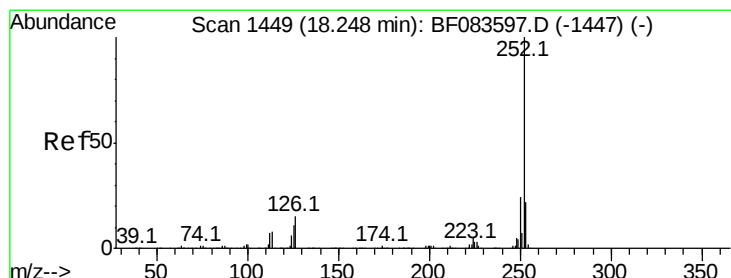
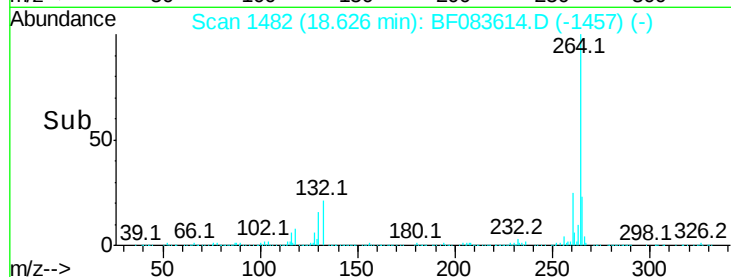
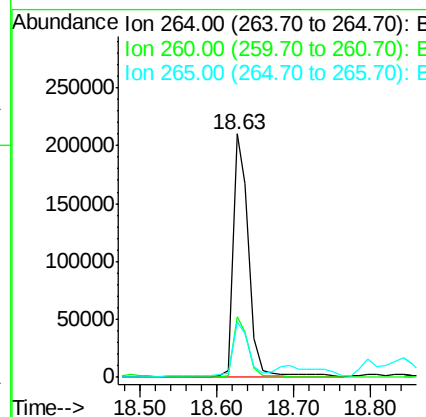
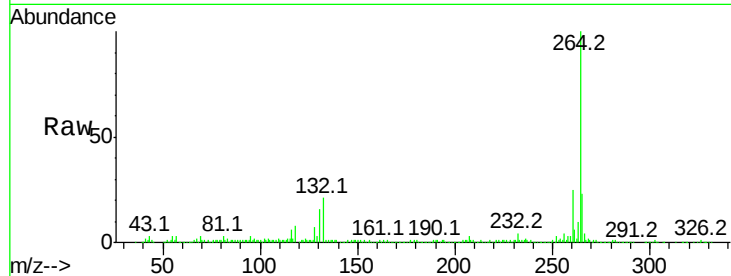
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampled :
PCPY2B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.8	17.8	26.6

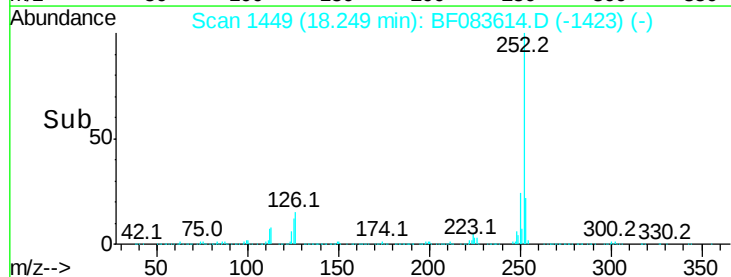
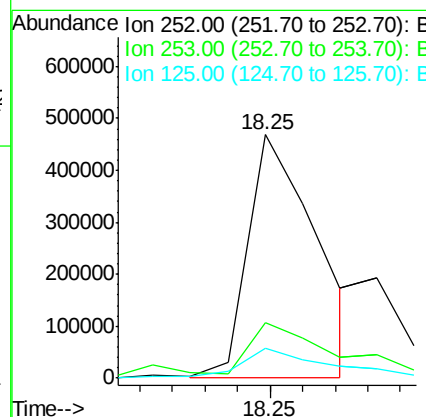
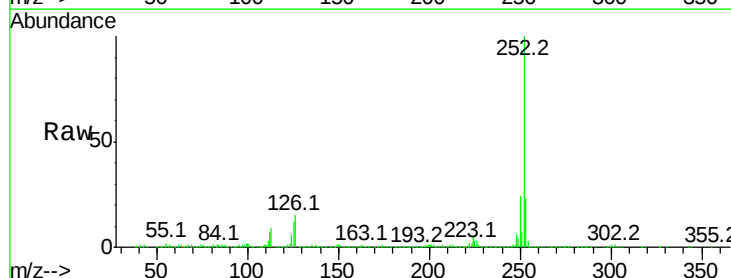
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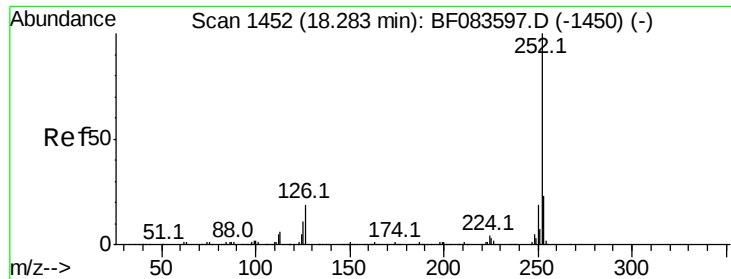
Mmdadoda
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#87
Benzo(b)fluoranthene
Concen: 40.20 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.3	8.2	12.4





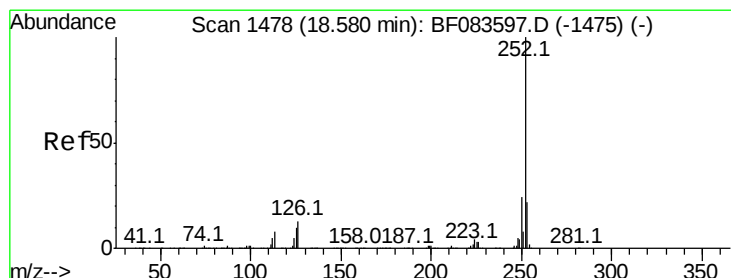
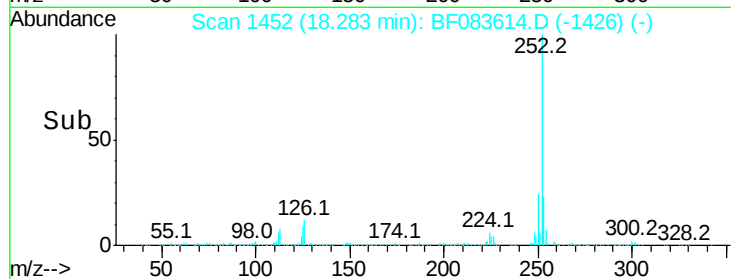
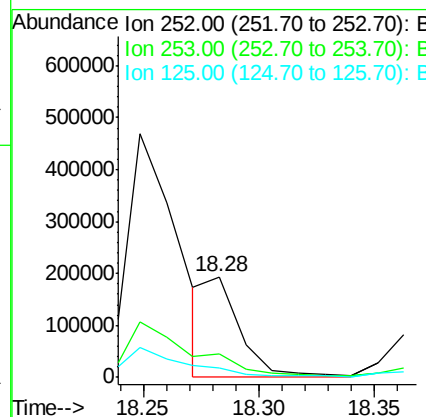
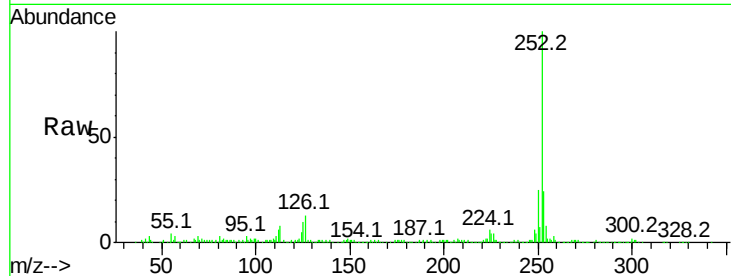
#88
Benzo(k)fluoranthene
Concen: 10.24 ng m
RT: 18.28 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Resp	Lower	Upper
252	100	193696		
253	23.7	18.6	27.8	
125	9.7	11.5	17.3	

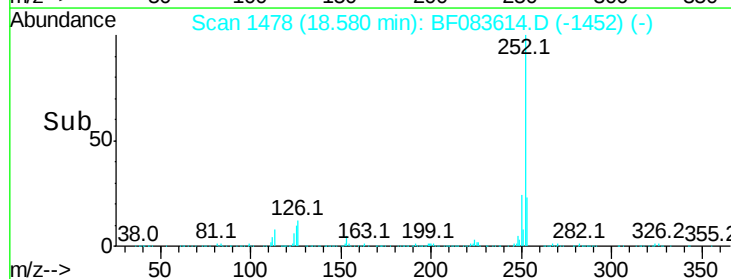
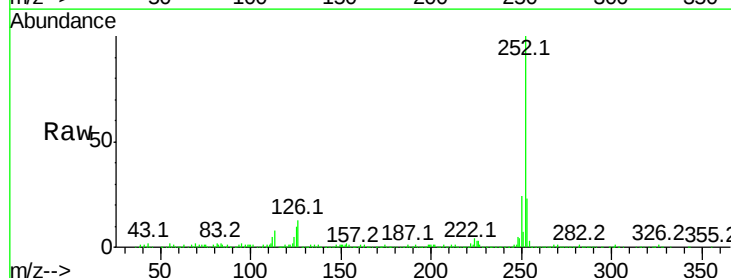
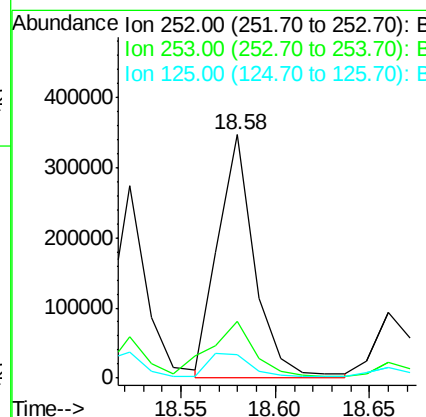
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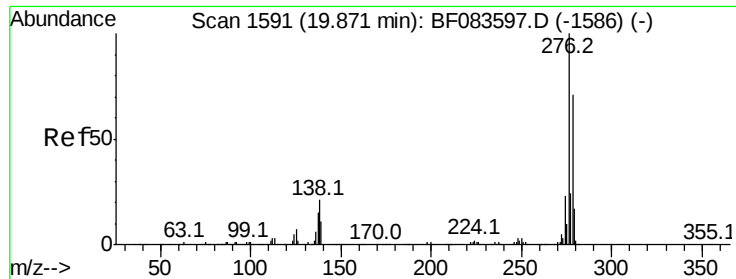
Mmdadoda
12/9/2015 6:13:29 PM



#89
Benzo(a)pyrene
Concen: 28.18 ng m
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	471972		
253	23.3	17.5	26.3	
125	9.7	11.0	16.6	





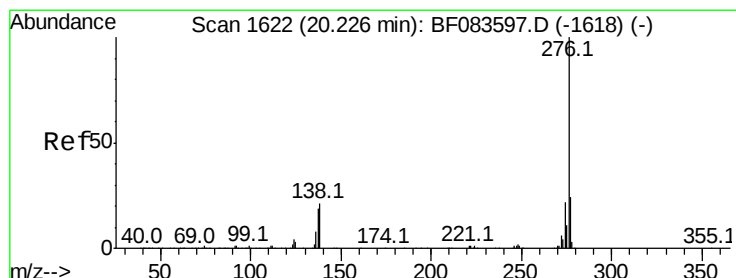
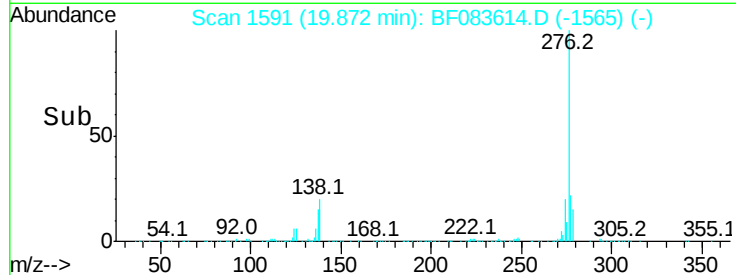
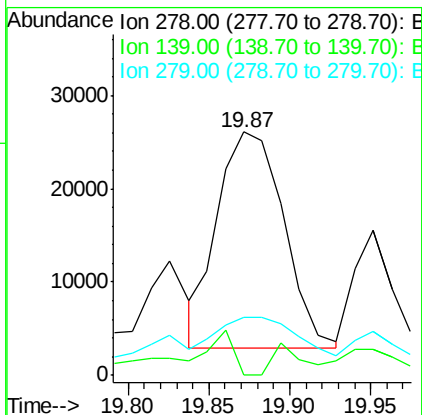
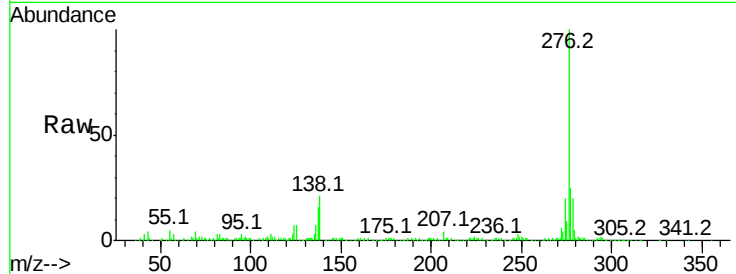
#90
Dibenzo(a,h)anthracene
Concen: 5.19 ng/mL
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PCPY2B

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	24.0	18.6	28.0

Manual Integrations
APPROVED

Mmdadoda
12/9/2015 6:13:29 PM



#91
Benzo(g,h,i)perylene
Concen: 19.34 ng/mL
RT: 20.23 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BF083614.D
Acq: 9 Dec 2015 00:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.1	19.5	29.3

