

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083615.D
 Acq On : 9 Dec 2015 1:20
 Operator : UM/IZ
 Sample : G4637-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY3

Manual Integrations
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 12/9/2015 6:13:35 PM

Quant Time: Dec 09 03:22:10 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	165121	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	611460	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	291218	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	465736	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	304112	20.00	ng	0.00
86) Perylene-d12	18.63	264	289235	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	1266639	116.35	ng	0.01
7) Phenol-d6	5.28	99	1748023	120.17	ng	0.00
23) Nitrobenzene-d5	6.52	82	1097123	83.72	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	295432	113.87	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1566387	75.70	ng	0.00
78) Terphenyl-d14	15.40	244	889797	68.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.03	163	392092	16.91	ng	96
51) Acenaphthene	10.43	154	44275	2.45	ng	99
57) Fluorene	11.28	166	46092	2.11	ng	99
70) Phenanthrene	12.82	178	695022	25.97	ng	100
71) Anthracene	12.90	178	162173	5.85	ng	95
72) Carbazole	13.22	167	77219	3.25	ng	99
74) Fluoranthene	14.74	202	967808	35.35	ng	96
77) Pyrene	15.09	202	810640	37.02	ng	# 94
79) Butylbenzylphthalate	16.24	149	22432	2.31	ng	95
80) Benzo(a)anthracene	16.97	228	385088m	21.63	ng	
82) Chrysene	17.03	228	371835m	20.84	ng	
83) Bis(2-ethylhexyl)phthalate	17.08	149	92921	6.89	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.87	276	176697	14.67	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	489845m	29.74	ng	
88) Benzo(k)fluoranthene	18.28	252	126844m	6.99	ng	
89) Benzo(a)pyrene	18.58	252	309721m	19.27	ng	
90) Dibenzo(a,h)anthracene	19.87	278	43050m	3.50	ng	
91) Benzo(g,h,i)perylene	20.24	276	157321	13.13	ng	96

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

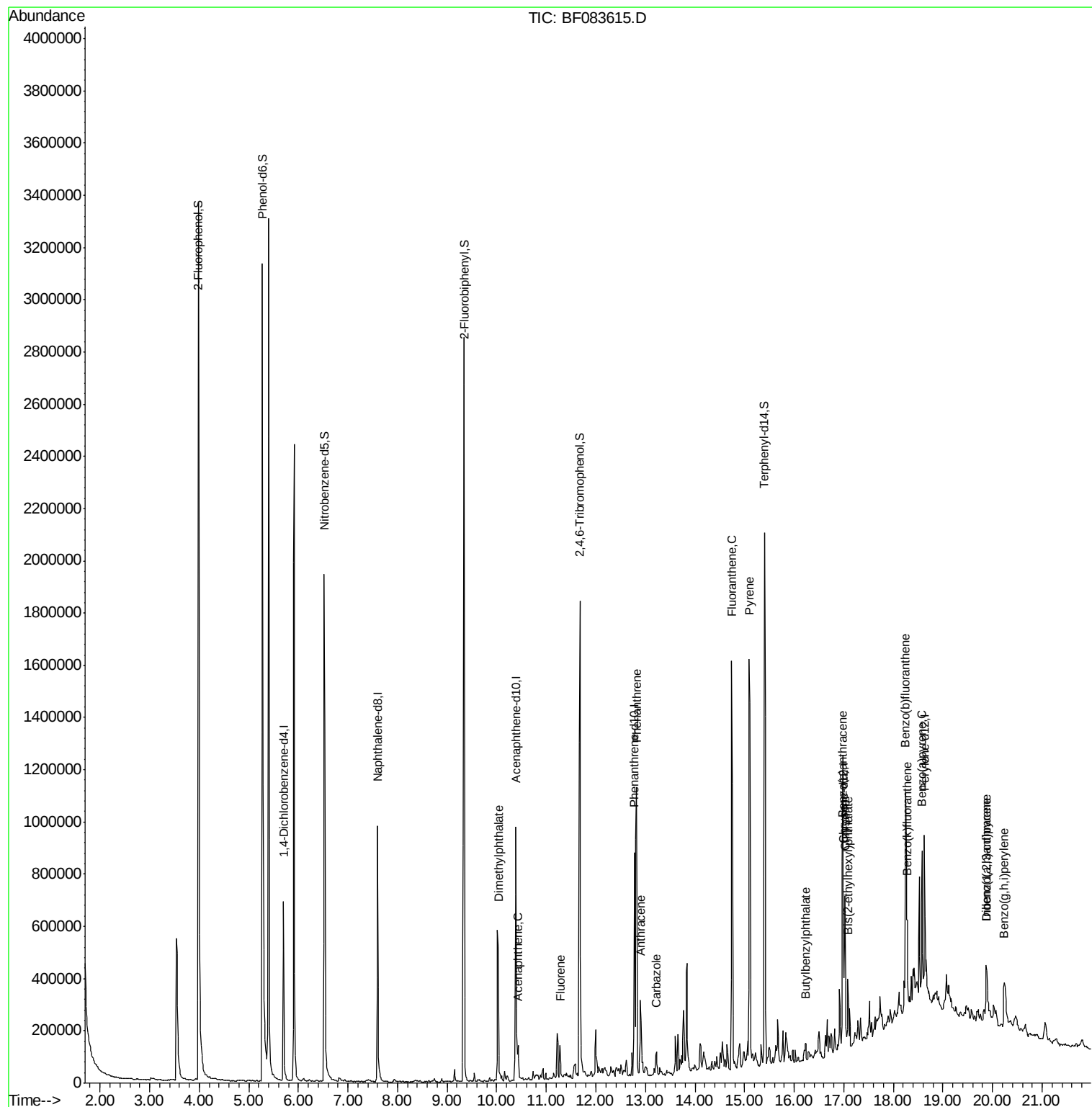
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
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ALS Vial : 22 Sample Multiplier: 1

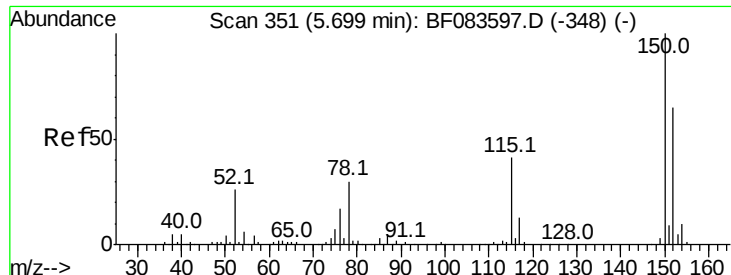
Instrument :
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ClientSampleId :
PCPY3

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#1

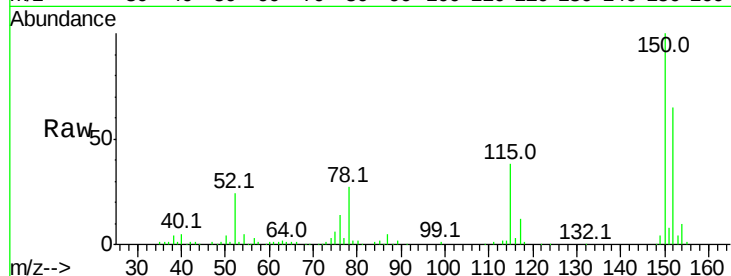
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampleId :
PCPY3

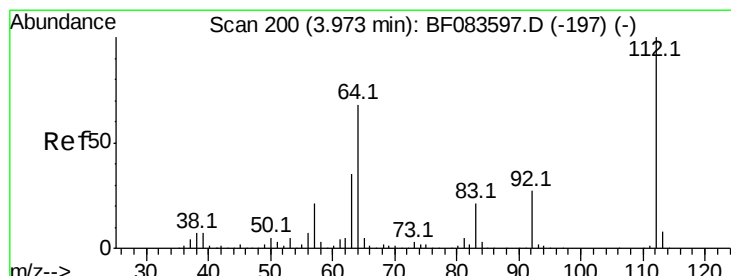
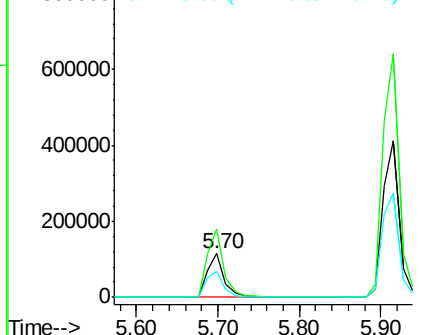
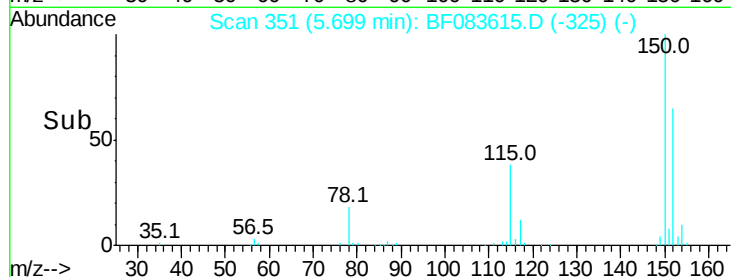
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.5	189.7
115	59.6	52.3	78.5

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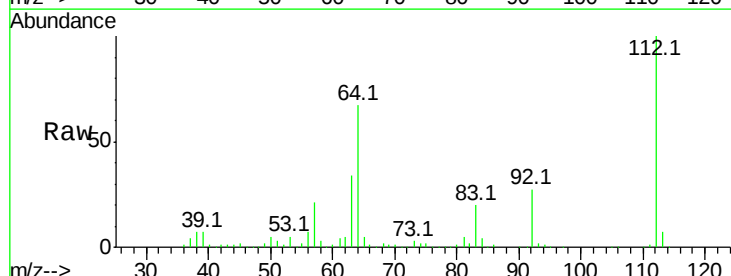
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



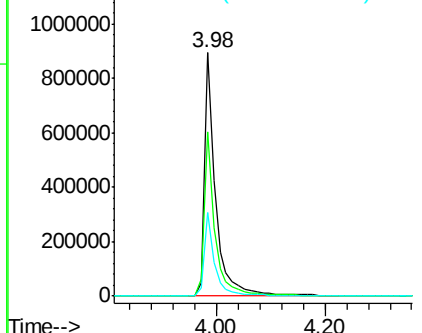
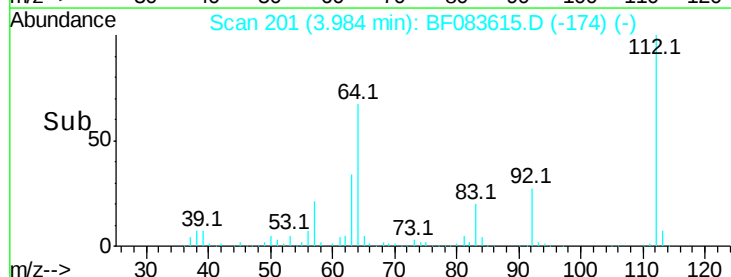
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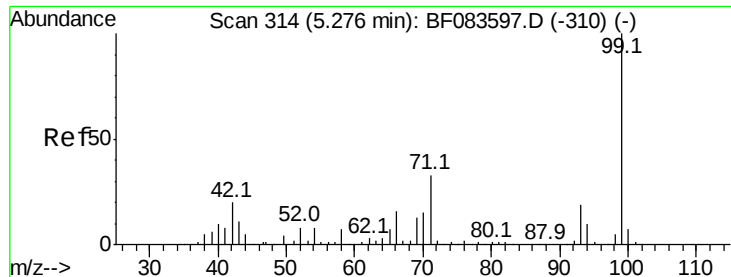
2-Fluorophenol
Concen: 116.35 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	50.5	75.7
63	34.3	25.8	38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.17 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

ClientSampleId :

PCPY3

Tot Ion: 99 Resp: 1748023

Ion Ratio Lower Upper

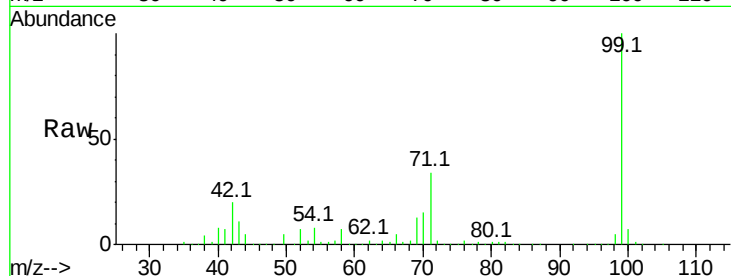
99 100

42 20.5 17.3 25.9

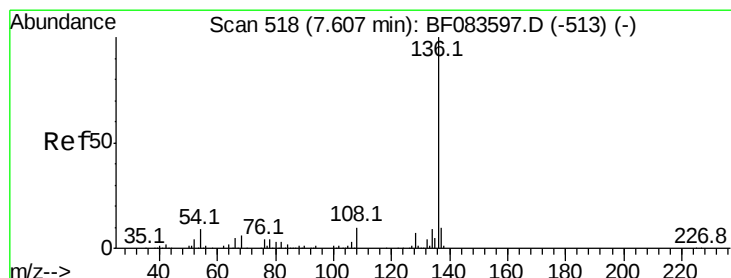
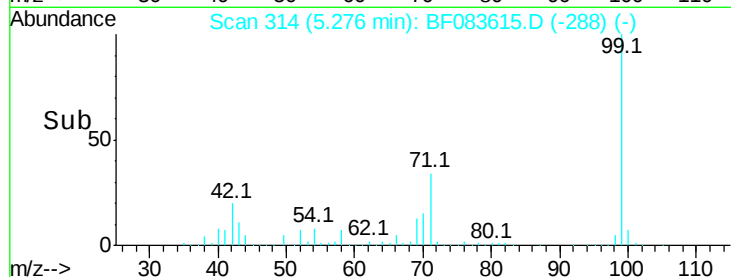
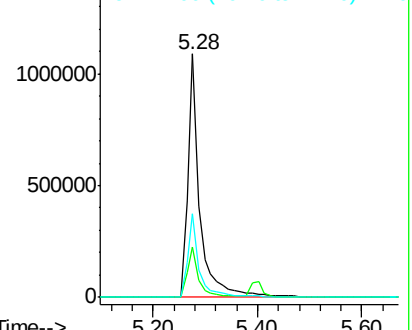
71 34.4 26.6 40.0

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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: BF083615.D

Acq: 9 Dec 2015 1:20

Tgt Ion: 136 Resp: 611460

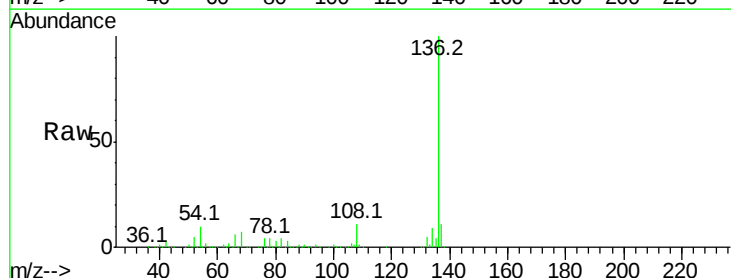
Ion Ratio Lower Upper

136 100

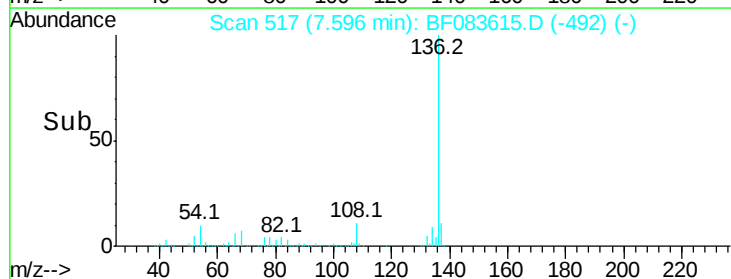
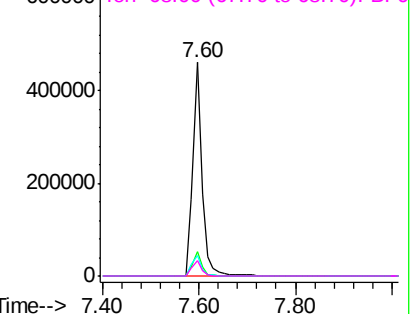
137 11.2 8.7 13.1

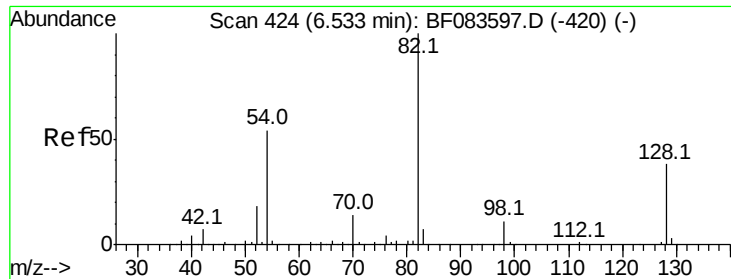
54 9.8 7.8 11.6

68 7.2 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





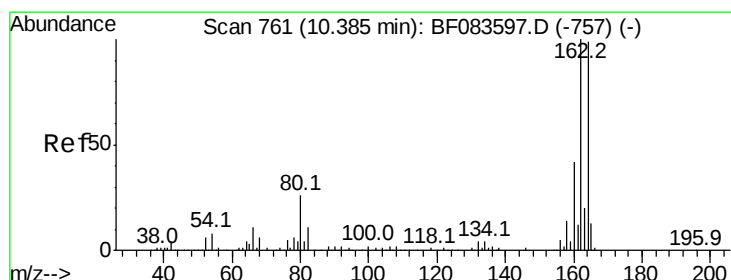
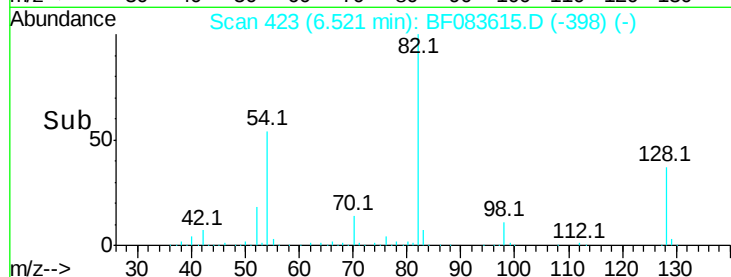
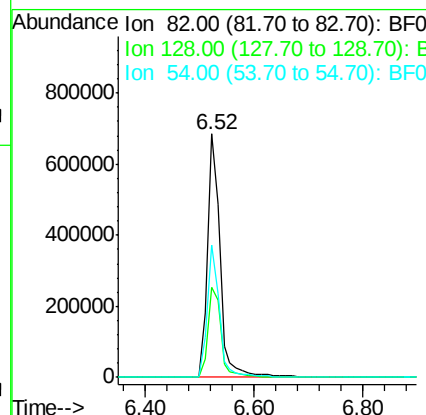
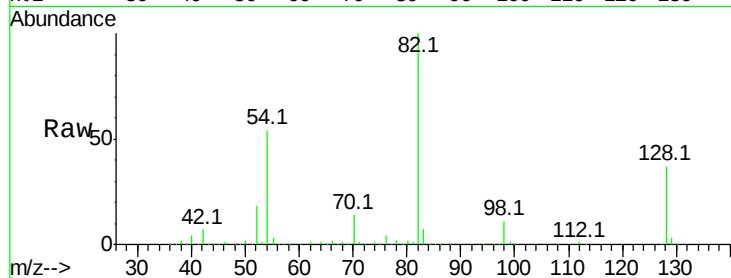
#23
 Nitrobenzene-d5
 Concen: 83.72 ng
 RT: 6.52 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF083615.D
 Acq: 9 Dec 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 PCPY3

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	30.7	46.1
54	54.3	42.5	63.7

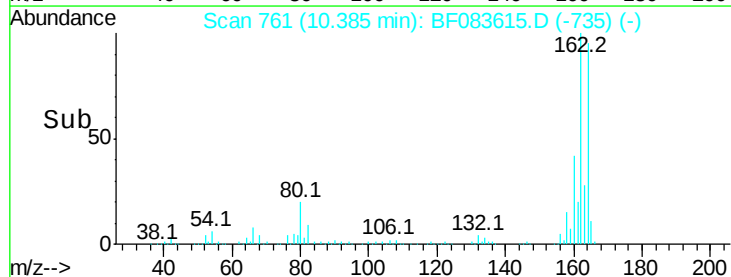
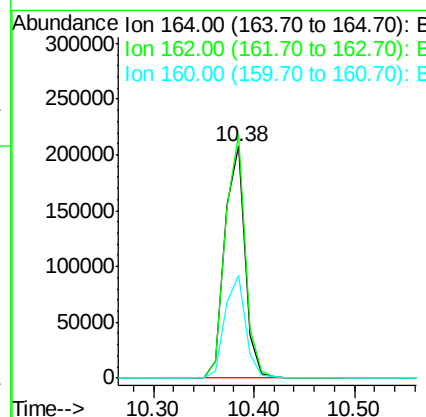
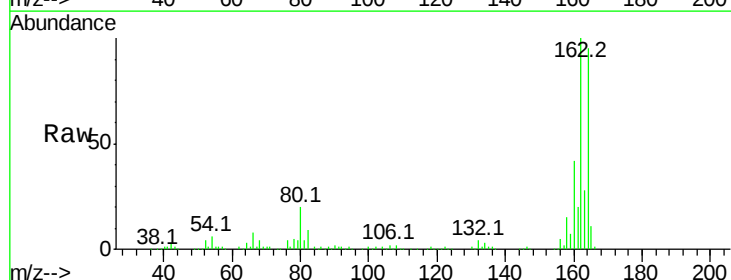
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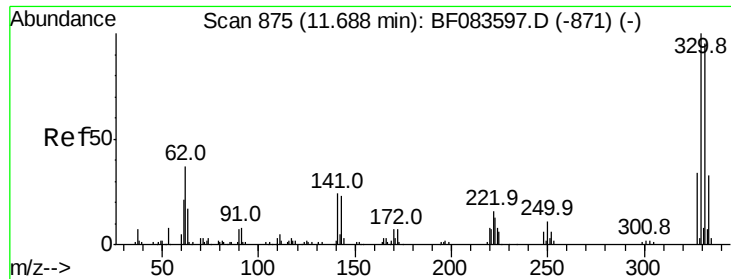
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.38 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF083615.D
 Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	78.8	118.2
160	44.5	33.4	50.2





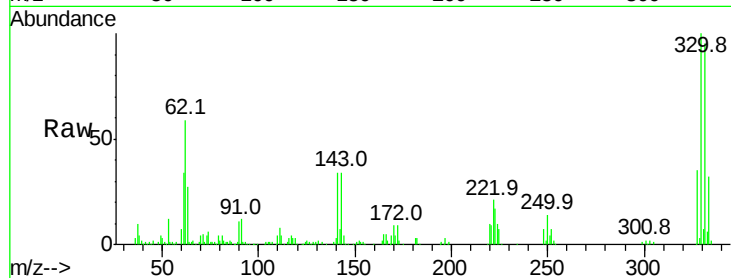
#41
 2,4,6-Tribromophenol
 Concen: 113.87 ng
 RT: 11.68 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF083615.D
 Acq: 9 Dec 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 PCPY3

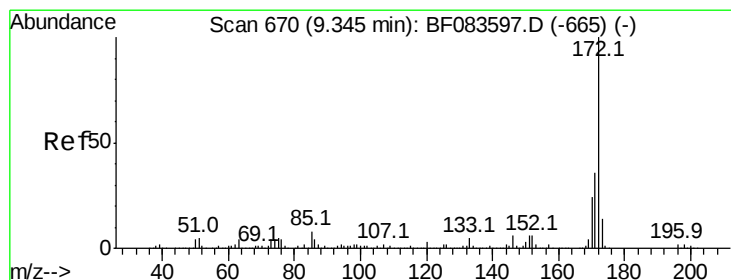
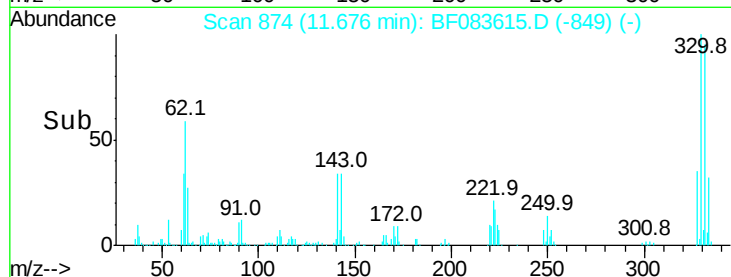
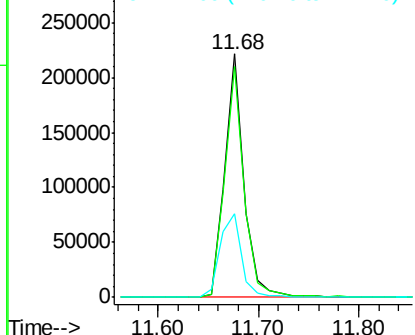
Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.1	0.0	0.0#
141	39.1	0.0	0.0#

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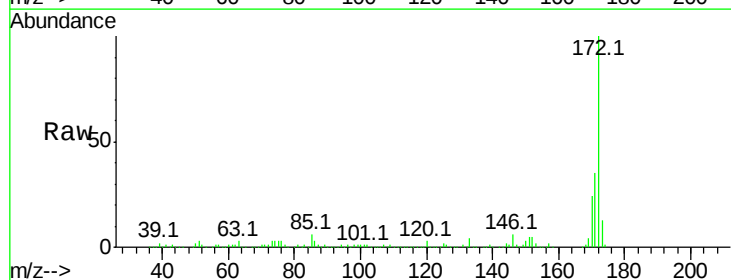


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

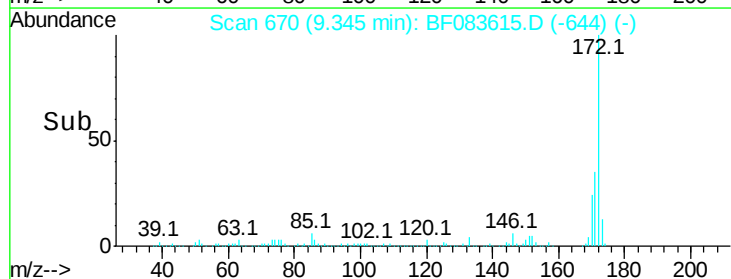
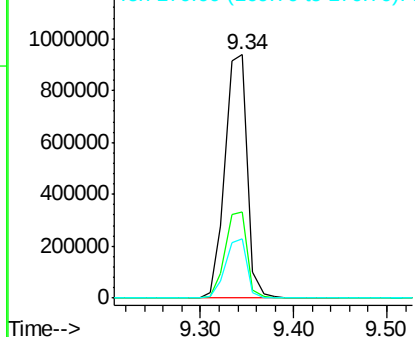


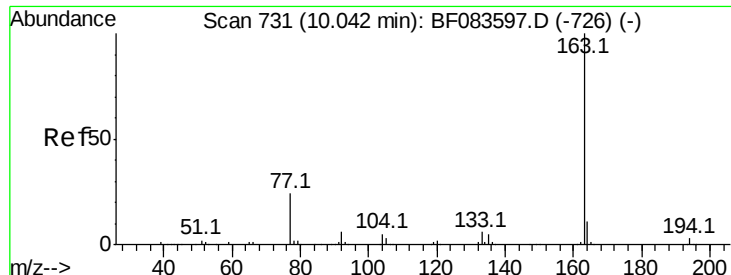
#44
 2-Fluorobiphenyl
 Concen: 75.70 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083615.D
 Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.4	28.6	42.8
170	24.2	19.4	29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





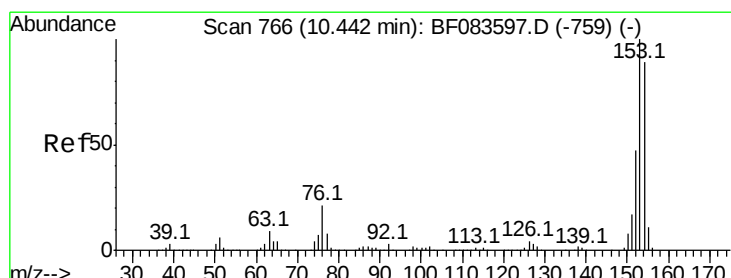
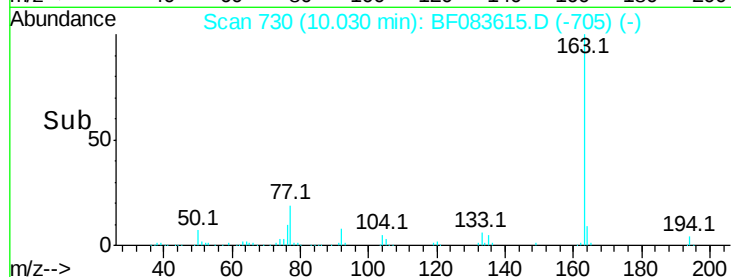
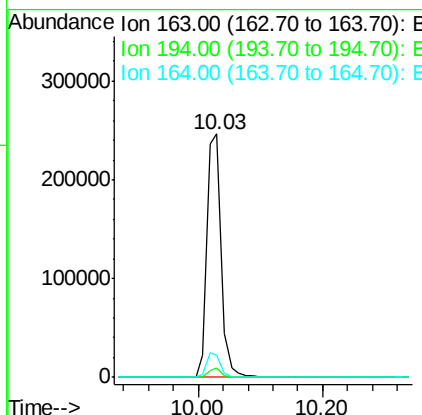
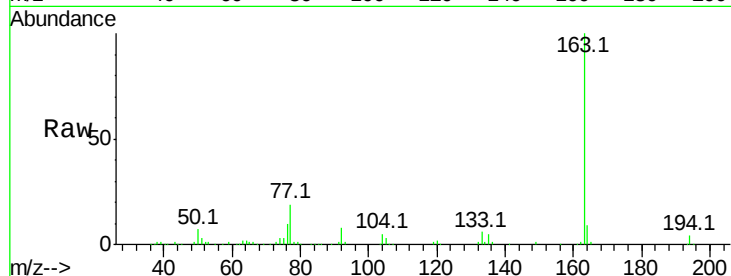
#49
Dimethylphthalate
Concen: 16.91 ng
RT: 10.03 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampleId :
PCPY3

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.8	4.2	
164	9.0	8.6	13.0	

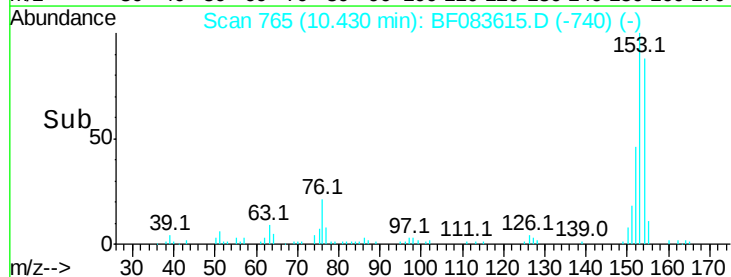
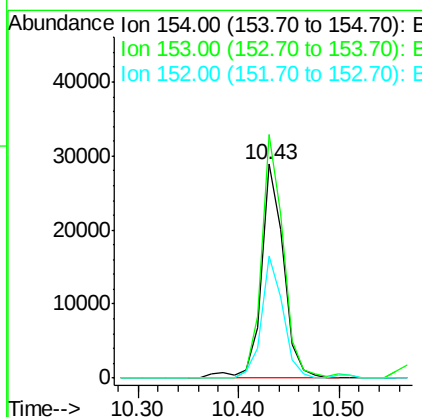
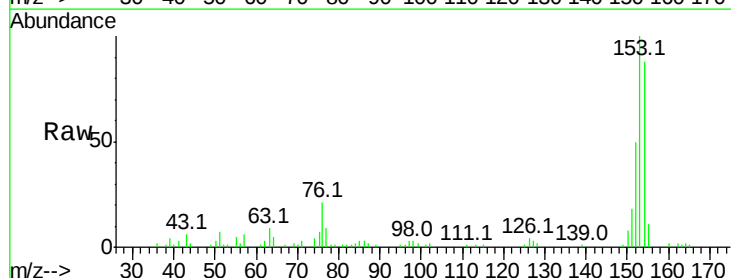
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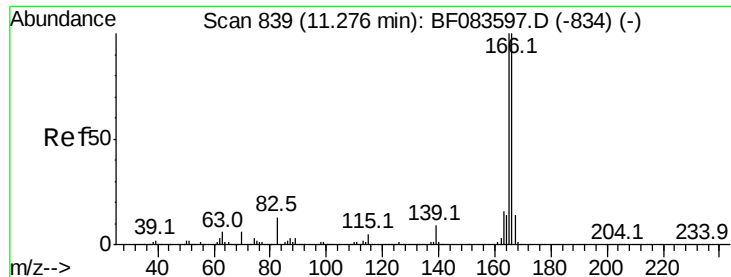
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#51
Acenaphthene
Concen: 2.45 ng
RT: 10.43 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.7	91.4	137.0	
152	56.8	43.4	65.2	





#57

Fluorene

Concen: 2.11 ng

RT: 11.28 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

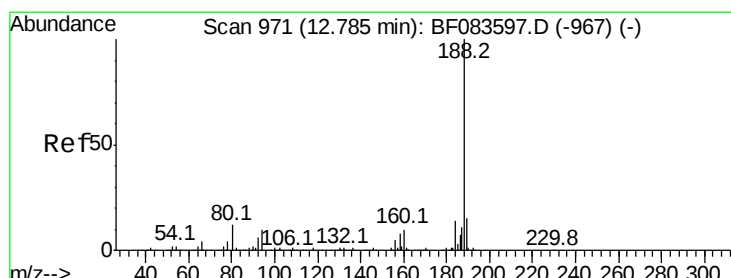
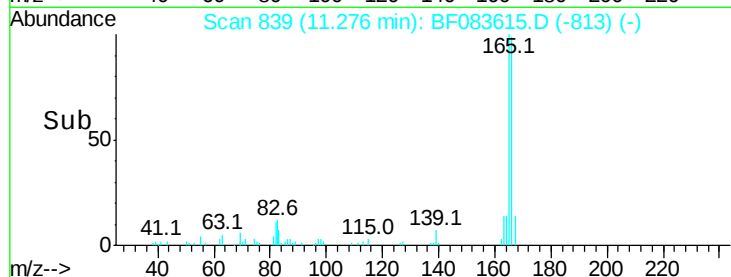
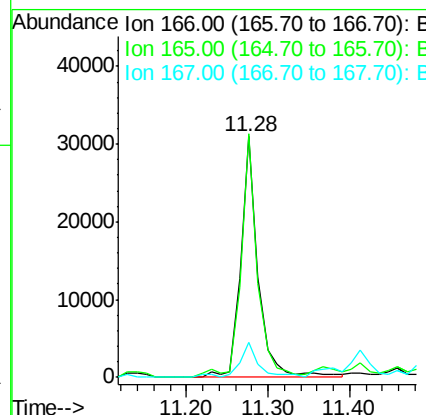
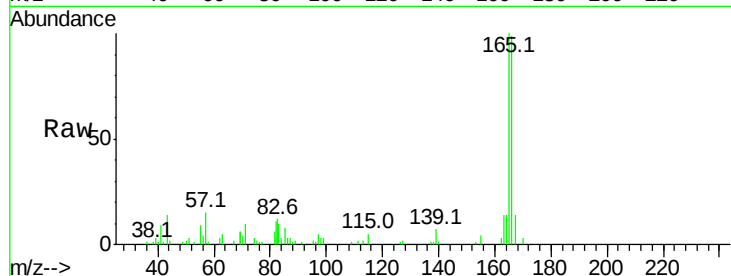
ClientSampleId :

PCPY3

Tot Ion:	166	Resp:	46092
Ion Ratio	Lower	Upper	
166	100		
165	101.0	80.0	120.0
167	14.5	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

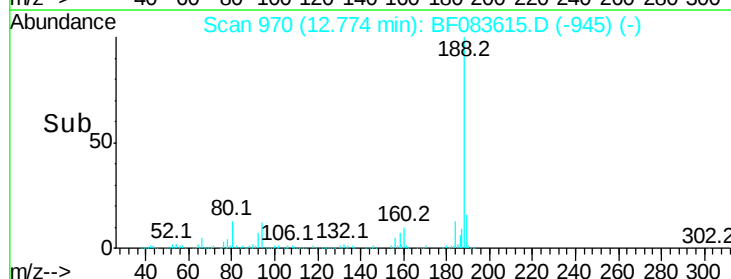
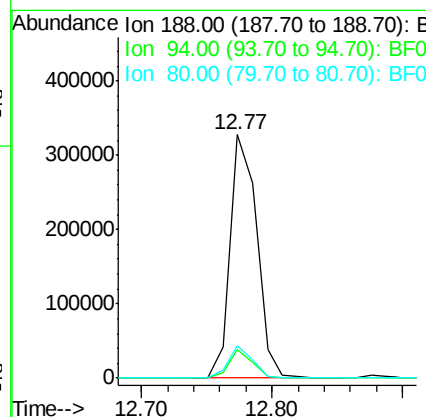
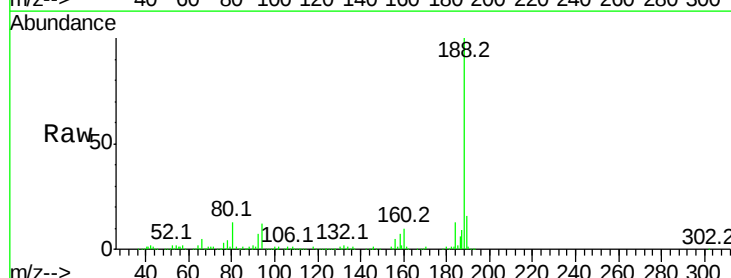
RT: 12.77 min Scan# 970

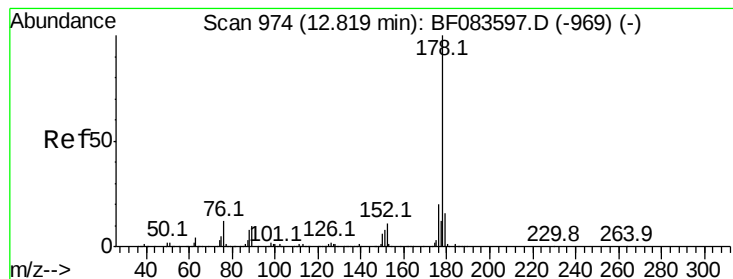
Delta R.T. -0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Tgt Ion:	188	Resp:	465736
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.4	14.2
80	13.3	10.6	16.0





#70

Phenanthrene

Concen: 25.97 ng

RT: 12.82 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

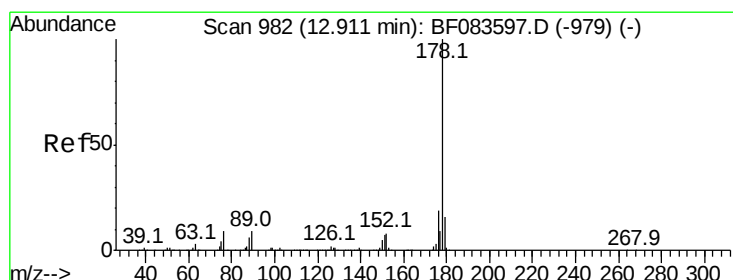
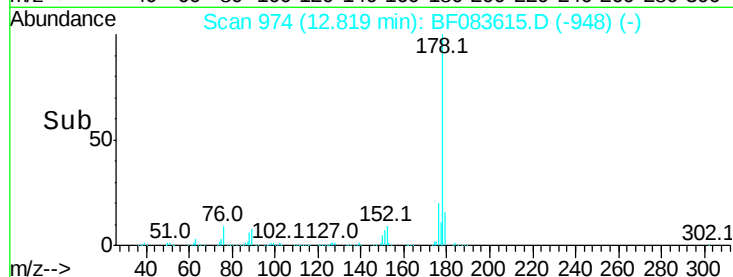
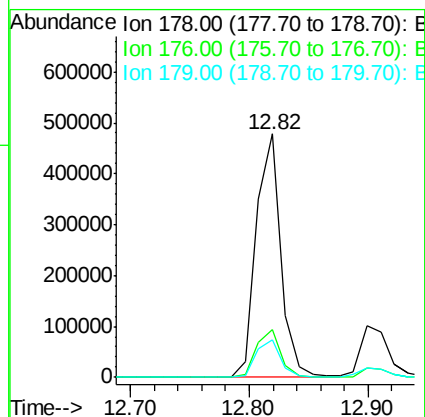
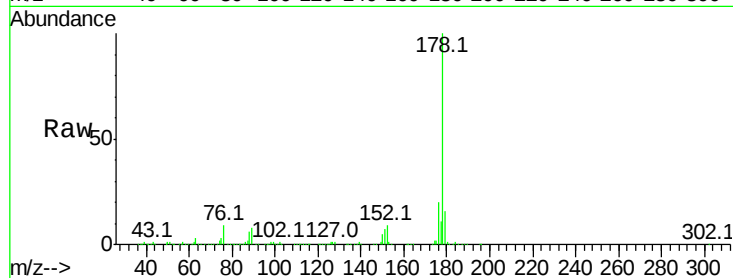
ClientSampleId :

PCPY3

Tot Ion:	178	Resp:	695022
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.7	23.5
179	15.5	12.2	18.4

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12/9/2015 6:13:35 PM



#71

Anthracene

Concen: 5.85 ng

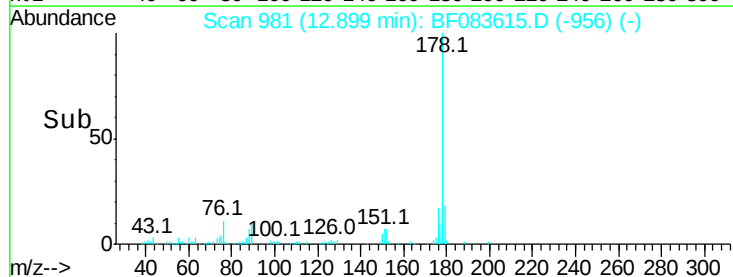
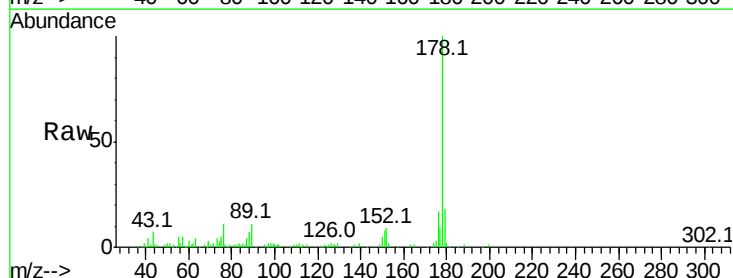
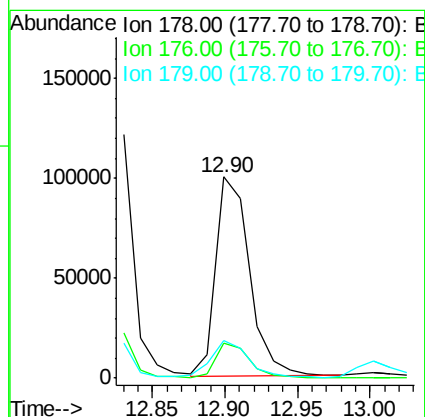
RT: 12.90 min Scan# 981

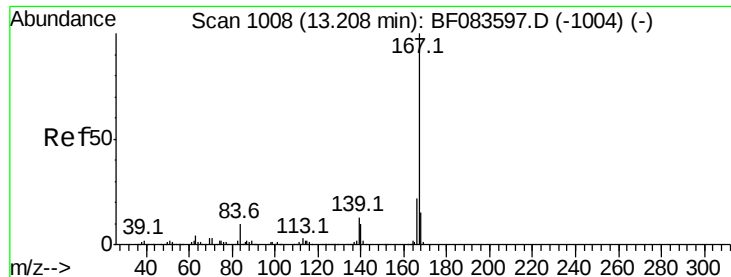
Delta R.T. -0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Tgt Ion:	178	Resp:	162173
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.2	22.8
179	18.4	12.6	18.8





#72

Carbazole

Concen: 3.25 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

ClientSampleId :

PCPY3

Tot Ion:167 Resp: 77219

Ion Ratio Lower Upper

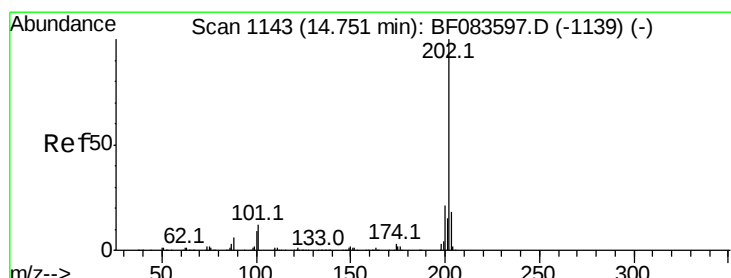
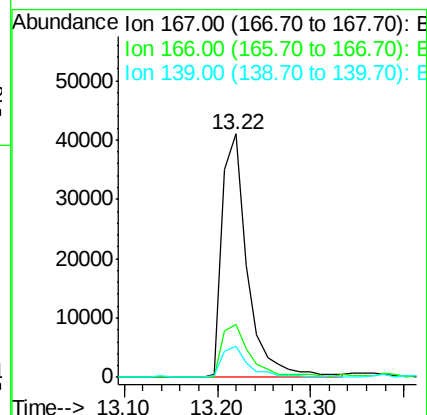
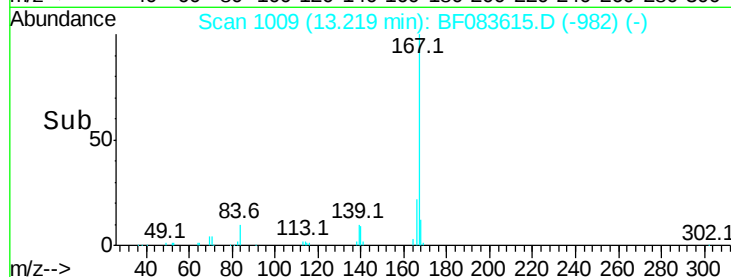
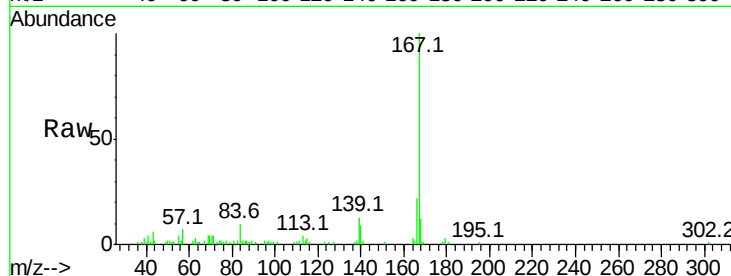
167 100

166 21.6 17.2 25.8

139 13.0 9.3 13.9

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12/9/2015 6:13:35 PM



#74

Fluoranthene

Concen: 35.35 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

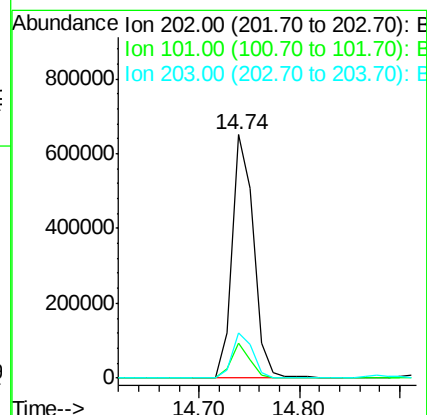
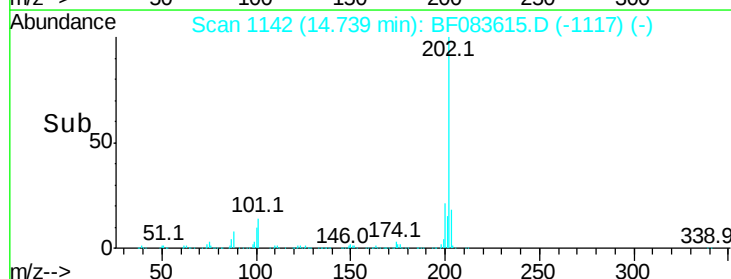
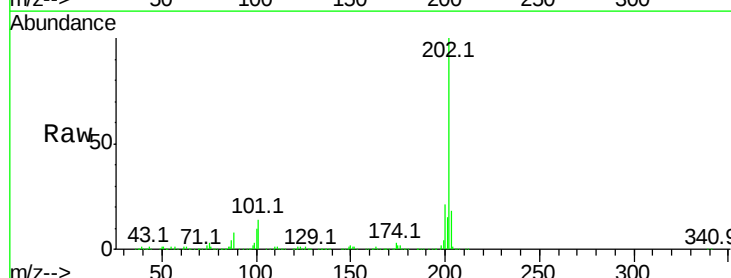
Tgt Ion:202 Resp: 967808

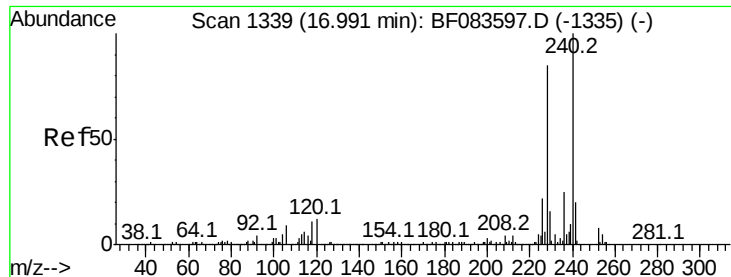
Ion Ratio Lower Upper

202 100

101 14.1 0.0 31.5

203 18.5 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.99 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

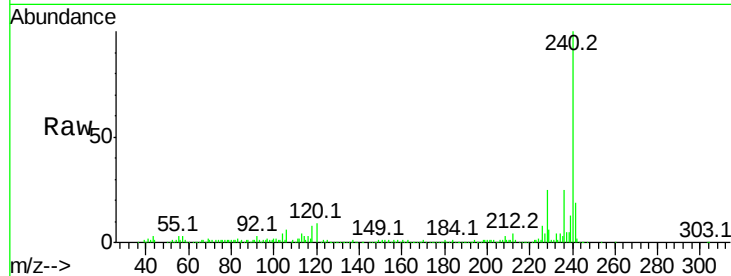
ClientSampled :

PCPY3

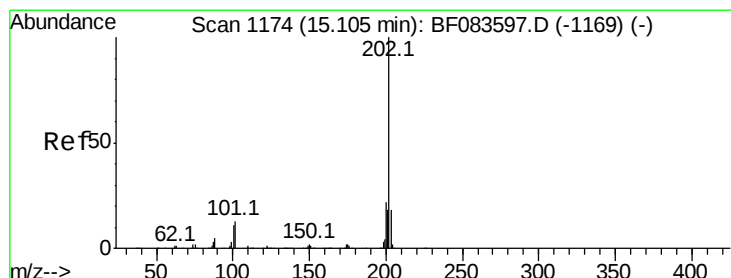
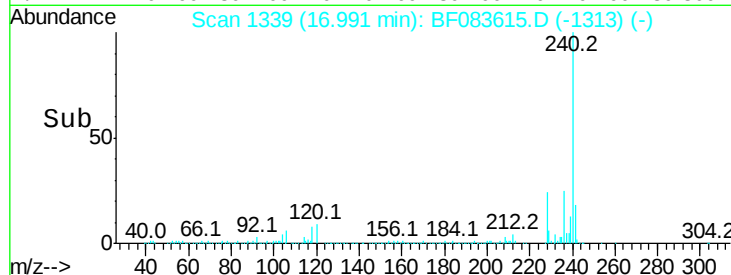
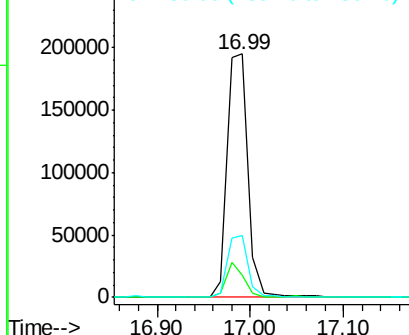
Tot Ion:	240	Resp:	304112
Ion Ratio	Lower	Upper	
240	100		
120	9.0	8.1	12.1
236	25.4	20.8	31.2

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12/9/2015 6:13:35 PM



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: 37.02 ng

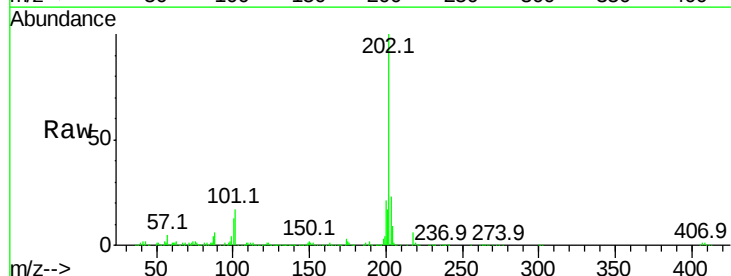
RT: 15.09 min Scan# 1173

Delta R.T. -0.01 min

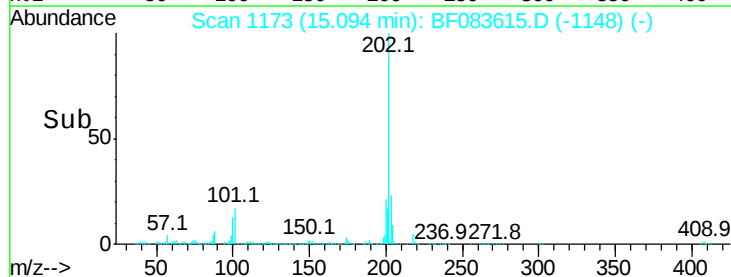
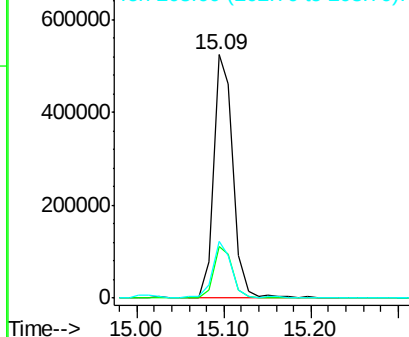
Lab File: BF083615.D

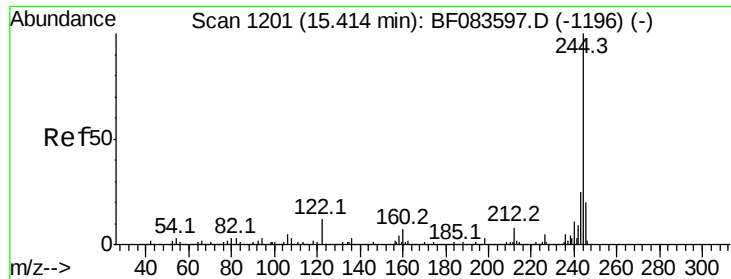
Acq: 9 Dec 2015 1:20

Tgt Ion:	202	Resp:	810640
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	23.4	14.3	21.5#



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: 68.84 ng

RT: 15.40 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

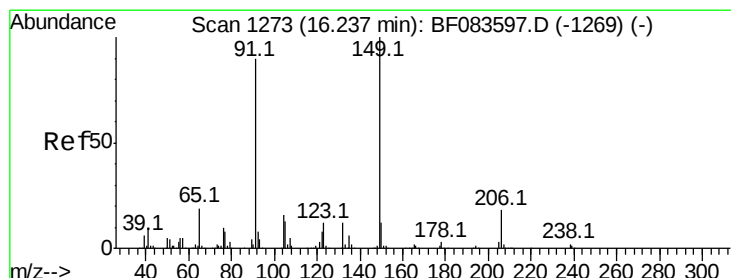
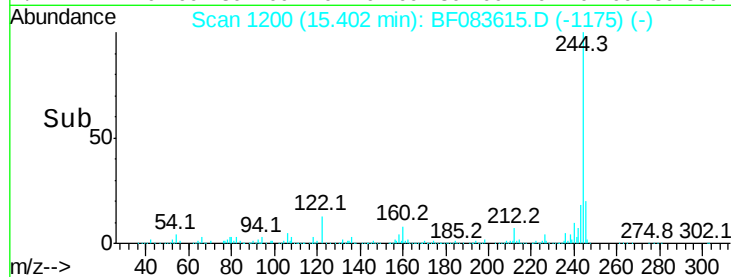
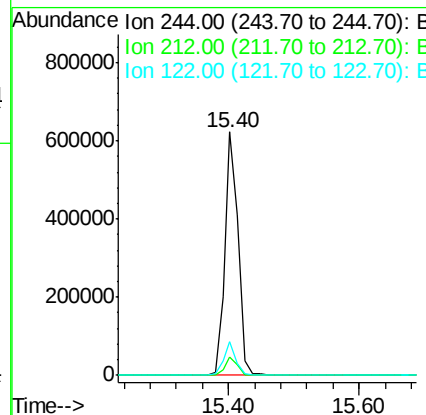
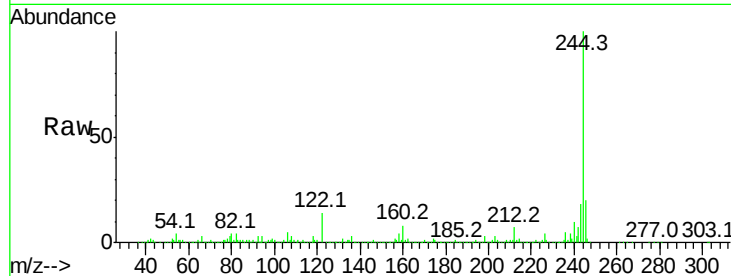
ClientSampleId :

PCPY3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	6.1	9.1	
122	13.6	11.0	16.6	

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#79

Butylbenzylphthalate

Concen: 2.31 ng

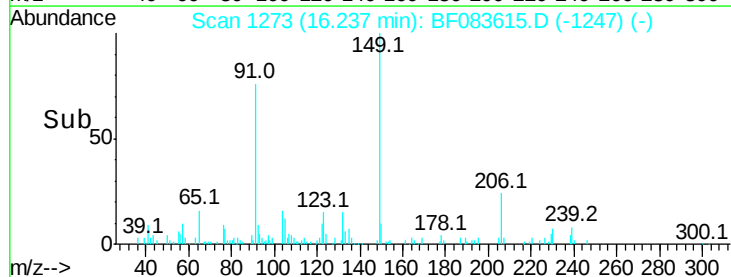
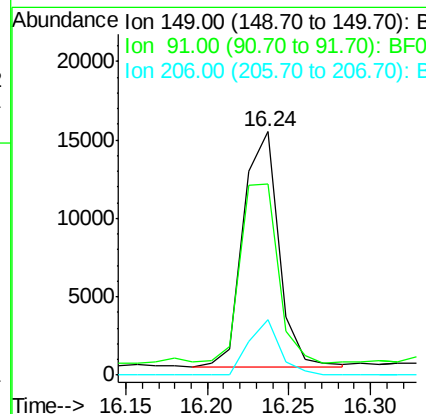
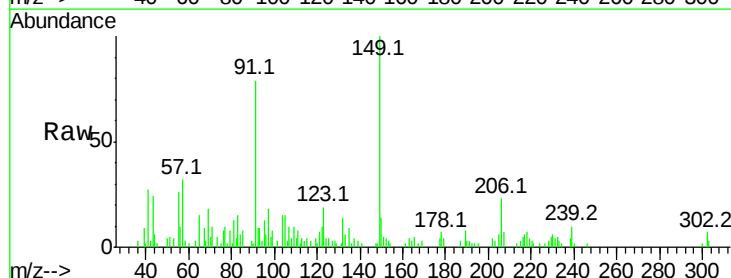
RT: 16.24 min Scan# 1273

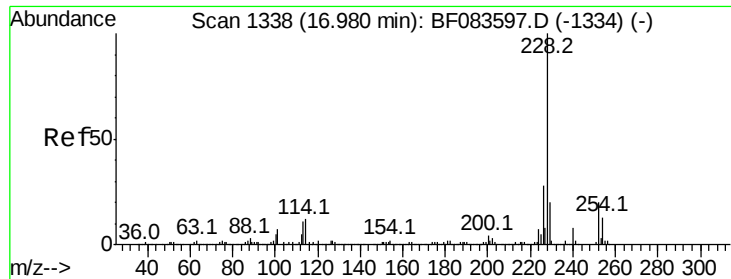
Delta R.T. 0.00 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	78.7	60.0	90.0	
206	23.0	16.2	24.4	





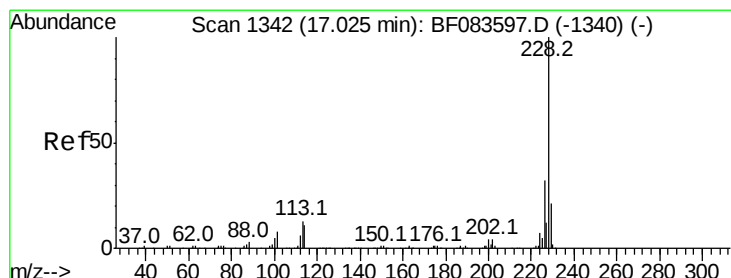
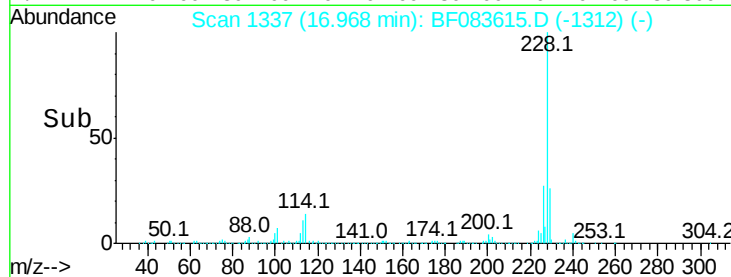
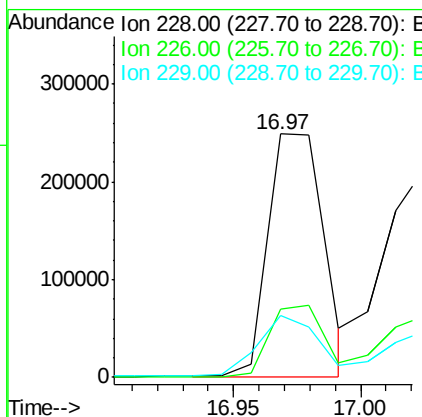
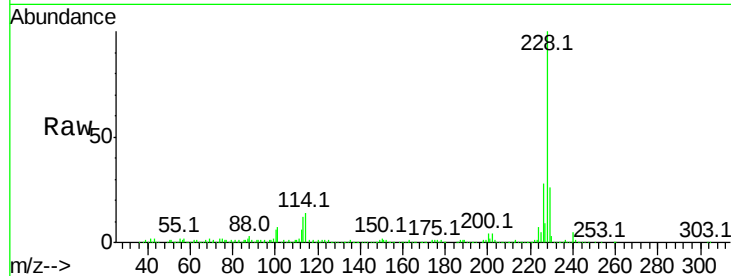
#80
Benzo(a)anthracene
Concen: 21.63 ng m
RT: 16.97 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampleId :
PCPY3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	25.5	15.7	23.5

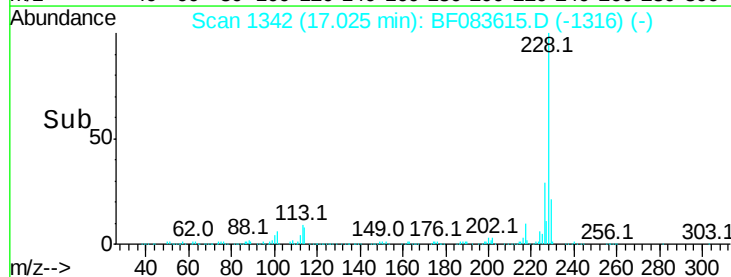
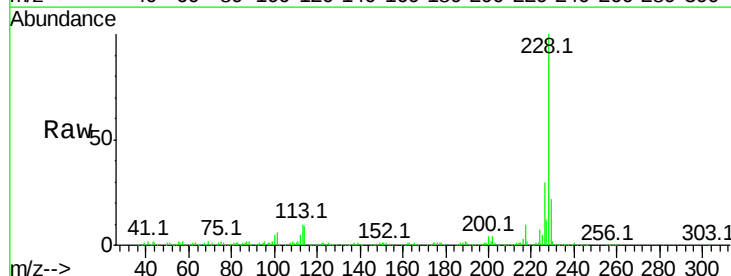
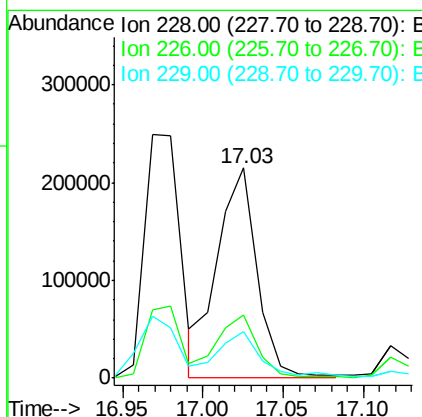
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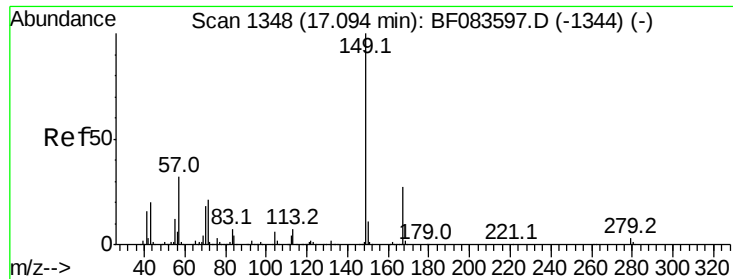
Mmdadoda
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#82
Chrysene
Concen: 20.84 ng m
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	22.1	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.89 ng

RT: 17.08 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Instrument :

BNA_F

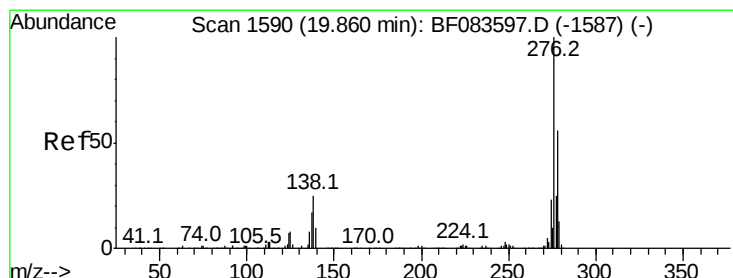
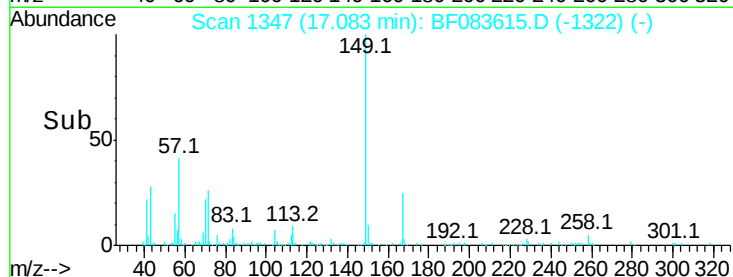
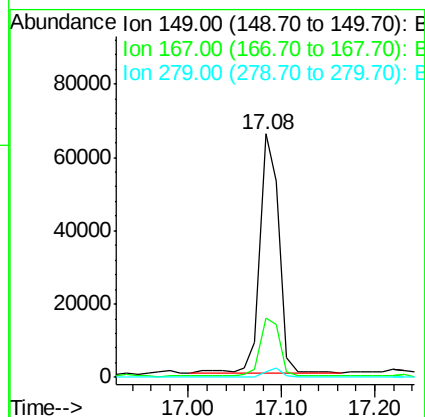
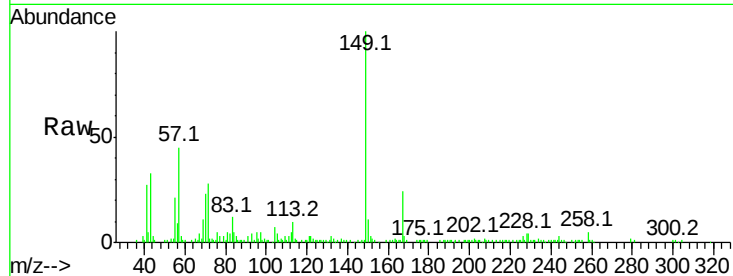
ClientSampleId :

PCPY3

Tot Ion:	149	Resp:	92921
Ion Ratio	Lower	Upper	
149	100		
167	24.4	21.8	32.8
279	2.1	3.0	4.4#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 14.67 ng

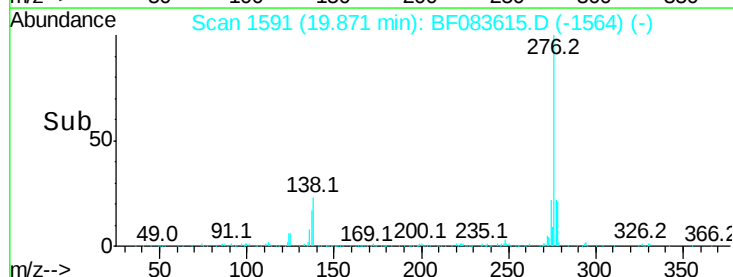
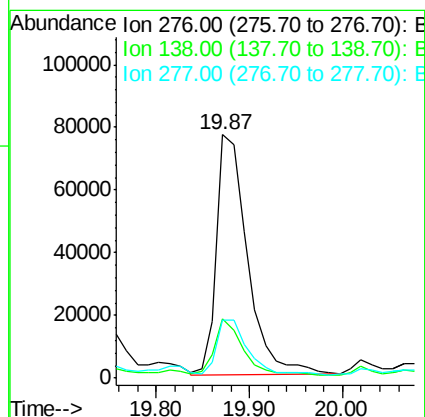
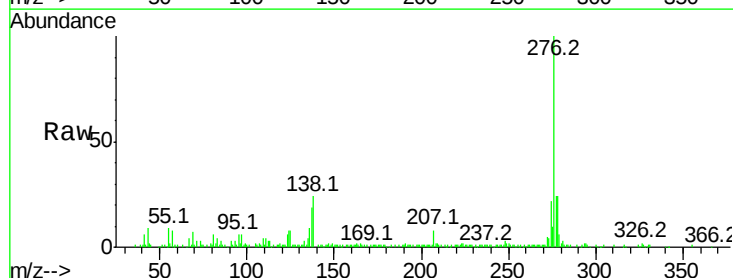
RT: 19.87 min Scan# 1591

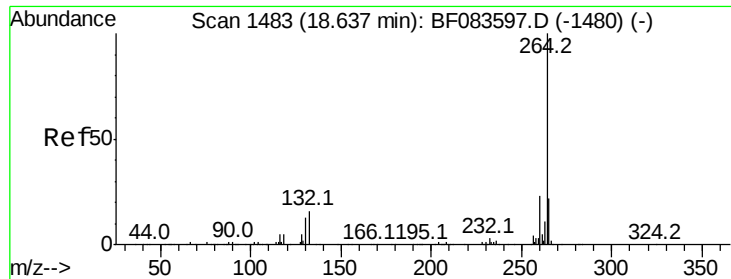
Delta R.T. 0.01 min

Lab File: BF083615.D

Acq: 9 Dec 2015 1:20

Tgt Ion:	276	Resp:	176697
Ion Ratio	Lower	Upper	
276	100		
138	21.5	0.0	0.0#
277	23.6	0.0	0.0#





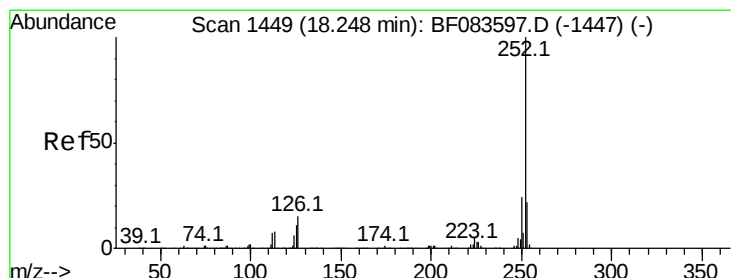
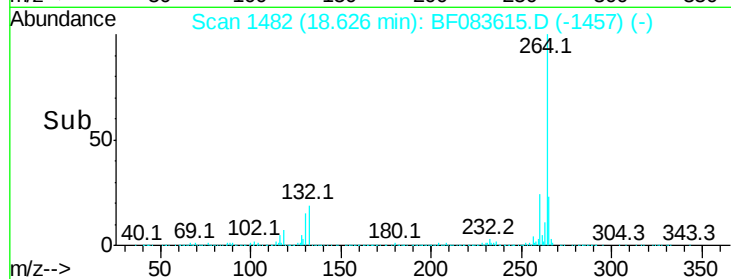
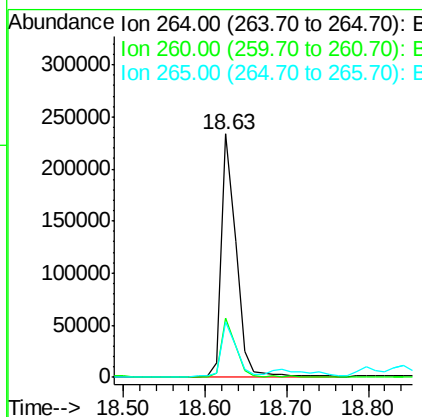
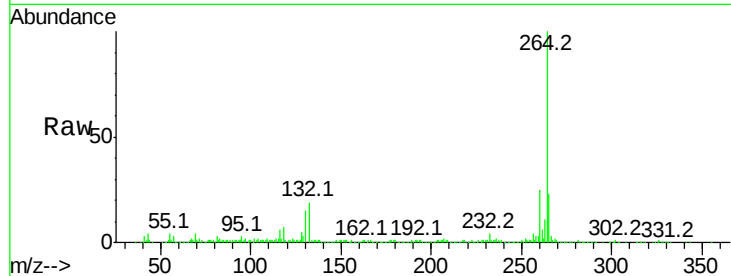
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampleId :
PCPY3

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.4	29.0
265	22.9	17.8	26.6

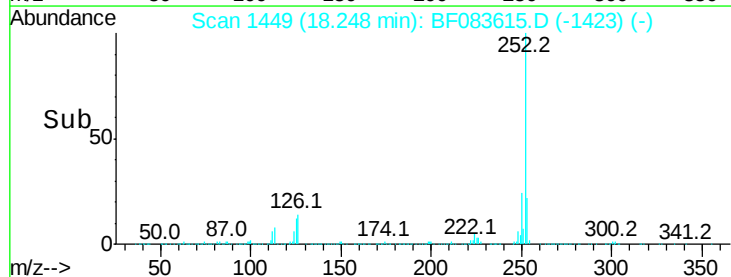
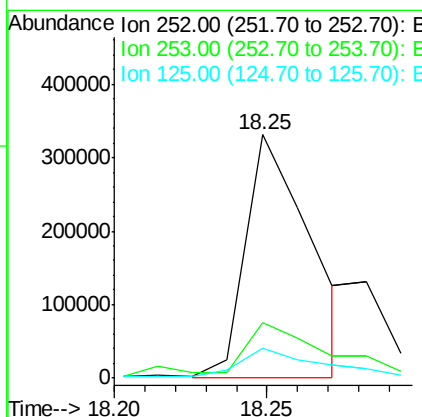
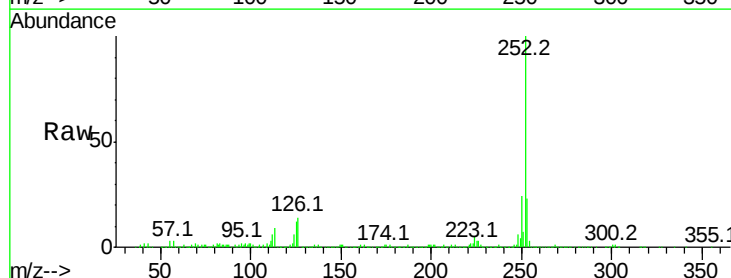
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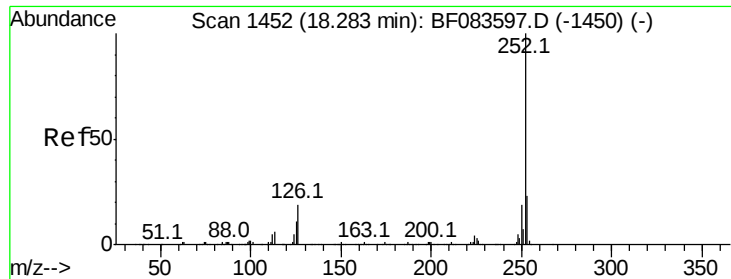
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12/9/2015 6:13:35 PM



#87
Benzo(b)fluoranthene
Concen: 29.74 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.1	8.2	12.4





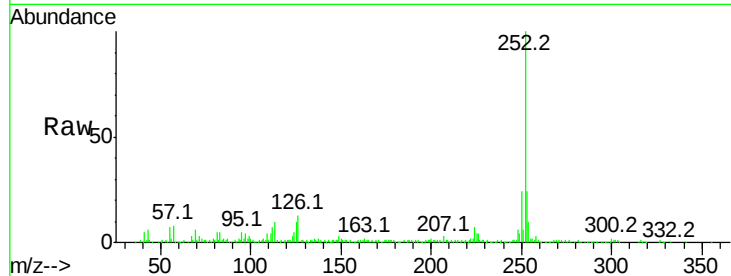
#88
Benzo(k)fluoranthene
Concen: 6.99 ng m
RT: 18.28 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampled :
PCPY3

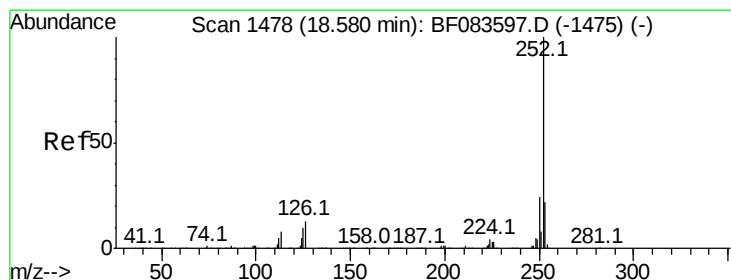
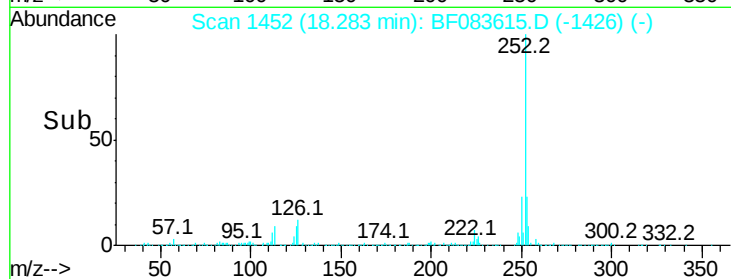
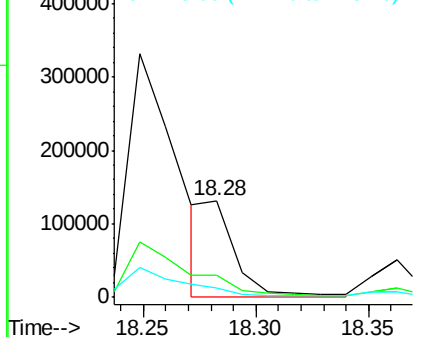
Tot Ion	Ratio	Resp	Lower	Upper
252	100	126844		
253	23.5	18.6	27.8	
125	9.8	11.5	17.3	

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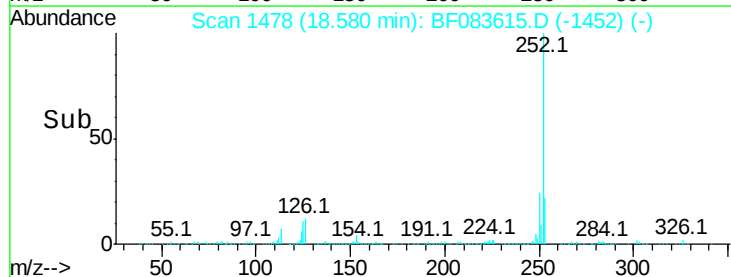
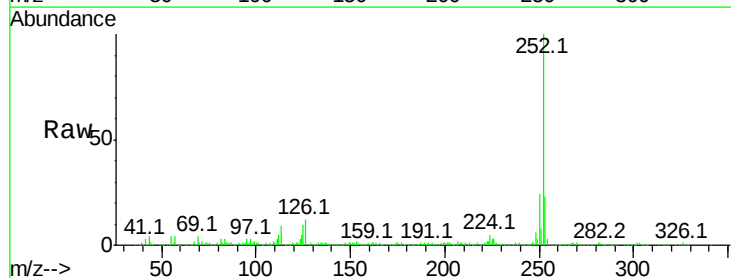
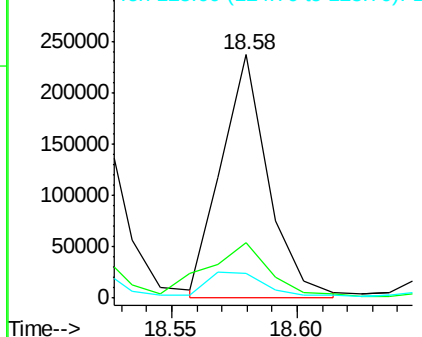
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

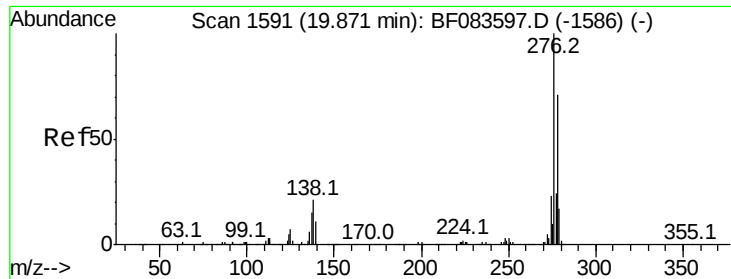


#89
Benzo(a)pyrene
Concen: 19.27 ng m
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	309721		
253	22.6	17.5	26.3	
125	10.3	11.0	16.6	

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





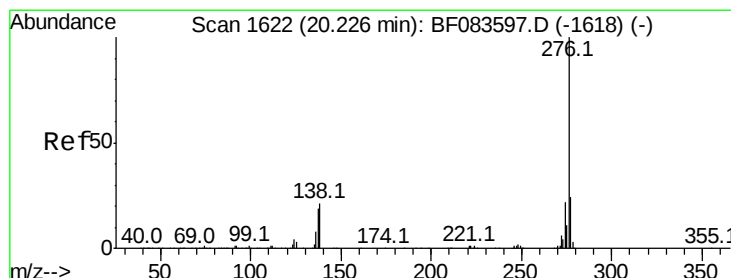
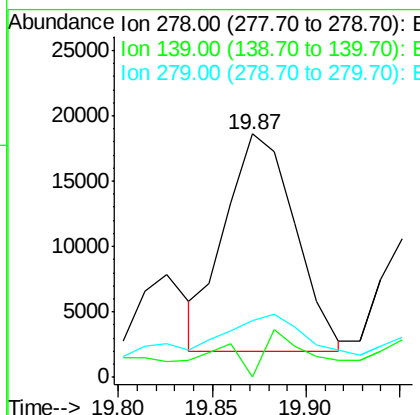
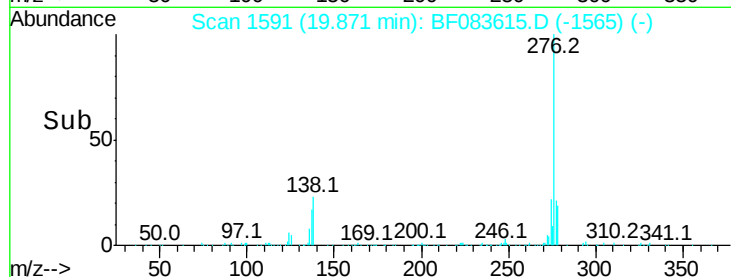
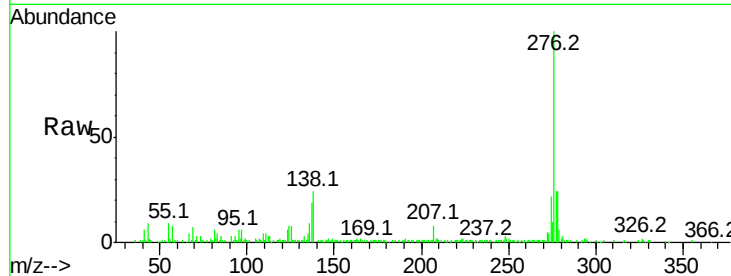
#90
Dibenzo(a,h)anthracene
Concen: 3.50 ng m
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Instrument :
BNA_F
ClientSampled :
PCPY3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	23.4	18.6	28.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.13 ng
RT: 20.24 min Scan# 1623
Delta R.T. 0.01 min
Lab File: BF083615.D
Acq: 9 Dec 2015 1:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	21.9	19.5	29.3

