

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083679.D
 Acq On : 10 Dec 2015 11:43
 Operator : UM/IZ
 Sample : G4637-01DL 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:55 PM

Quant Time: Dec 10 12:53:20 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	5.68	152	144289	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	558793	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	256757	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	398470	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	322102	20.00	ng	-0.02
86) Perylene-d12	18.61	264	272692	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.97	112	589525	61.97	ng	0.00
7) Phenol-d6	5.25	99	837762	65.91	ng	-0.02
23) Nitrobenzene-d5	6.51	82	509327	42.53	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	115970	50.70	ng	-0.03
44) 2-Fluorobiphenyl	9.31	172	698637	38.30	ng	-0.03
78) Terphenyl-d14	15.38	244	446476	32.61	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	5.12	77	59545	7.35	ng	97
49) Dimethylphthalate	10.01	163	175137	8.57	ng	98
51) Acenaphthene	10.42	154	53437	3.36	ng	98
57) Fluorene	11.26	166	48155	2.50	ng	99
70) Phenanthrene	12.80	178	738554	32.26	ng	100
71) Anthracene	12.89	178	174237	7.35	ng	96
72) Carbazole	13.21	167	58858	2.89	ng	97
74) Fluoranthene	14.73	202	970529	41.44	ng	99
77) Pyrene	15.08	202	849506	36.63	ng	# 94
79) Butylbenzylphthalate	16.21	149	20822	2.02	ng	100
80) Benzo(a)anthracene	16.96	228	409184m	21.70	ng	
82) Chrysene	17.01	228	373881	19.78	ng	98
85) Indeno(1,2,3-cd)pyrene	19.87	276	138789	10.88	ng	# 100
87) Benzo(b)fluoranthene	18.24	252	398909m	25.69	ng	
88) Benzo(k)fluoranthene	18.27	252	140219m	8.20	ng	
89) Benzo(a)pyrene	18.57	252	263406	17.38	ng	96
90) Dibenzo(a,h)anthracene	19.87	278	39303m	3.39	ng	
91) Benzo(g,h,i)perylene	20.23	276	128560	11.38	ng	97

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

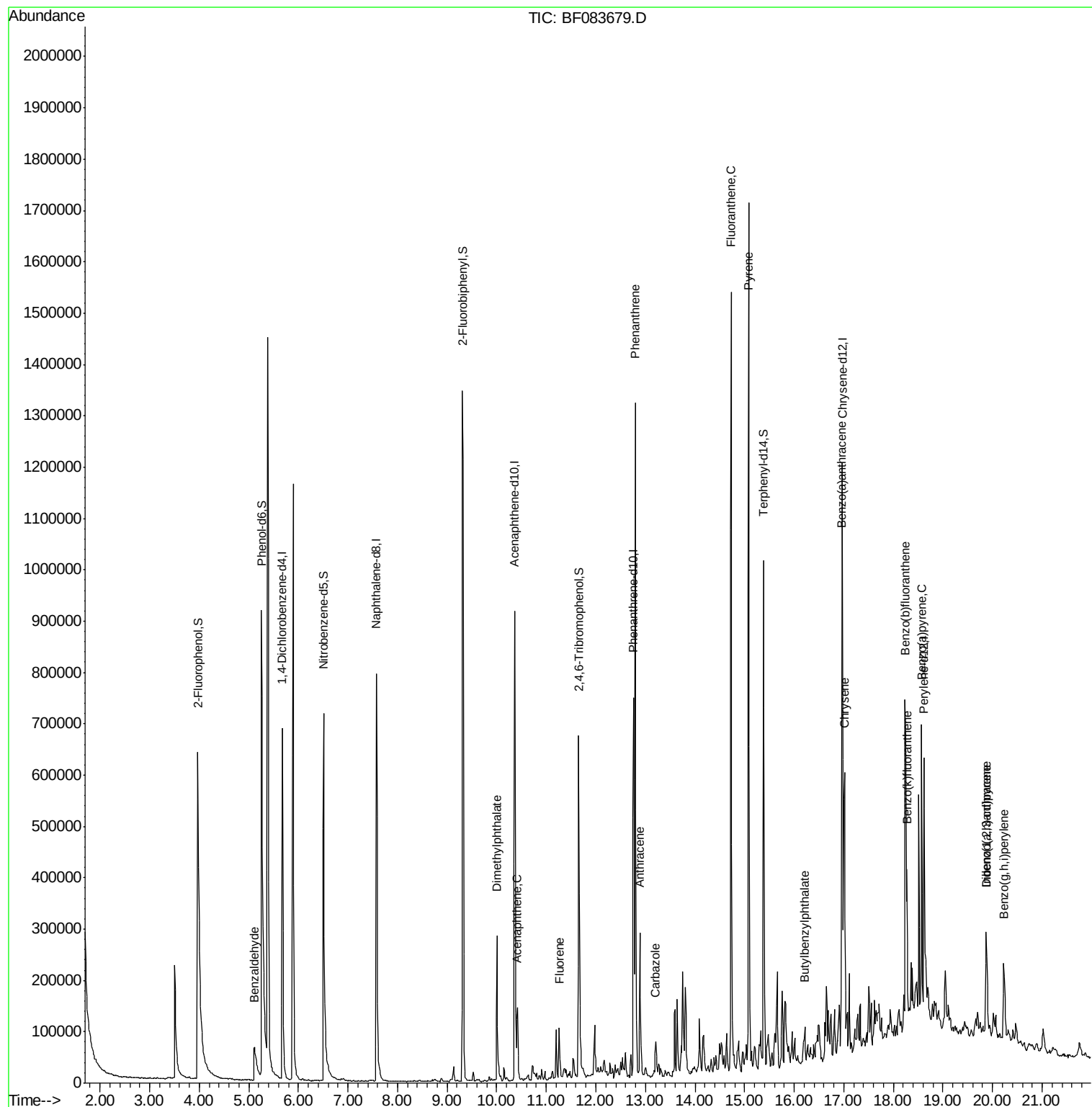
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083679.D
Acq On : 10 Dec 2015 11:43
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ALS Vial : 43 Sample Multiplier: 1

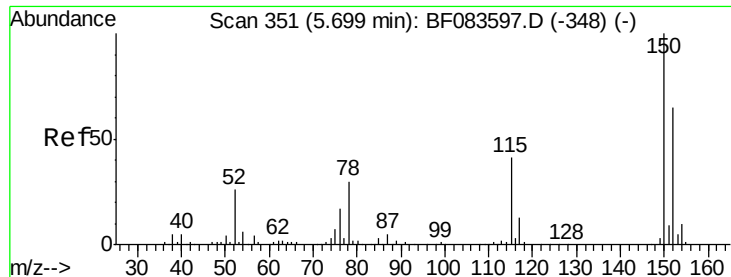
Instrument :
BNA_F
ClientSampled :
PCPY1DL

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12/10/2015 5:50:55 PM

Quant Time: Dec 10 12:53:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

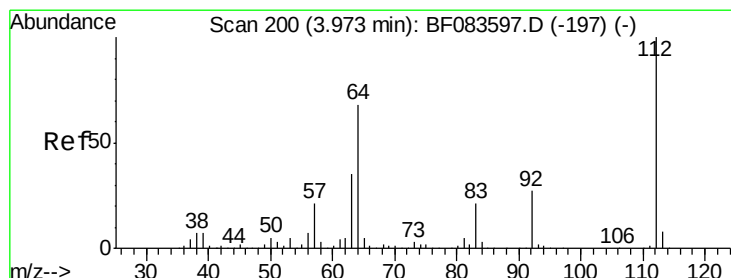
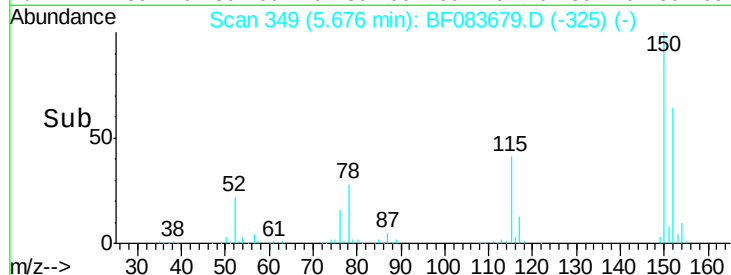
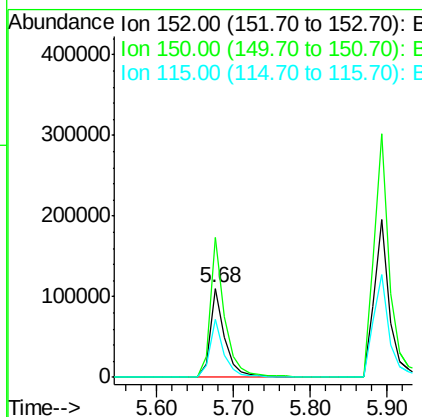
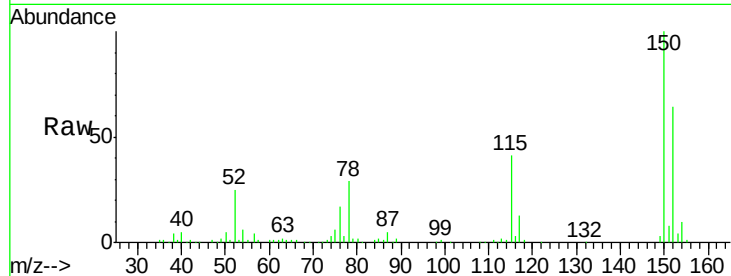
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.5	189.7
115	64.8	52.3	78.5

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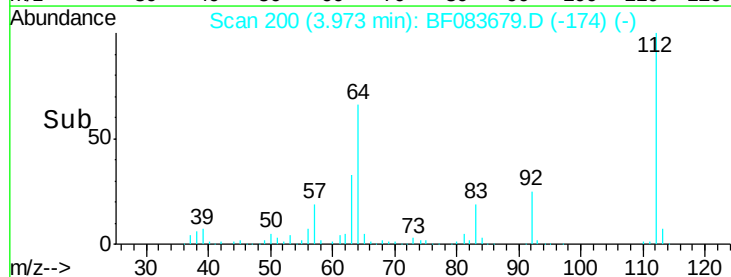
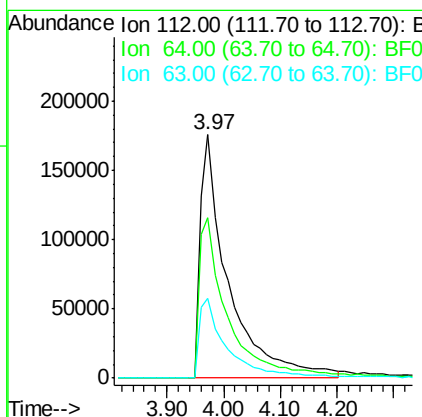
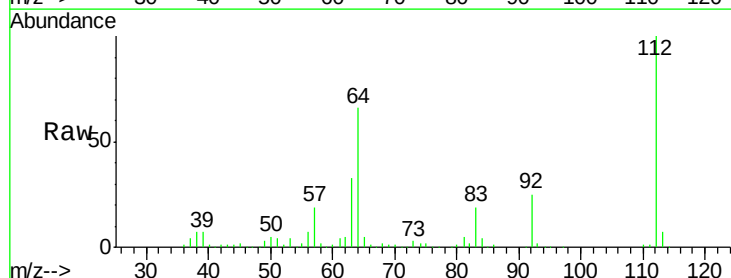
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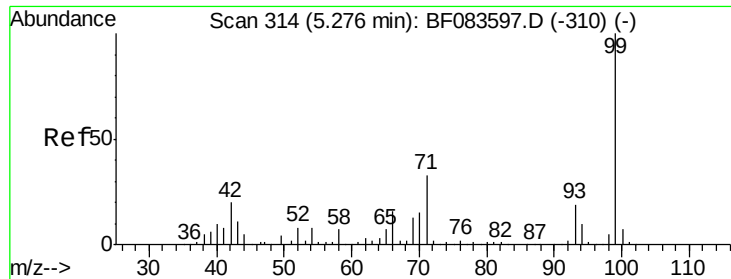


#5

2-Fluorophenol
Concen: 61.97 ng
RT: 3.97 min Scan# 200
Delta R.T. 0.00 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	50.5	75.7
63	32.9	25.8	38.6





#7

Phenol-d6

Concen: 65.91 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

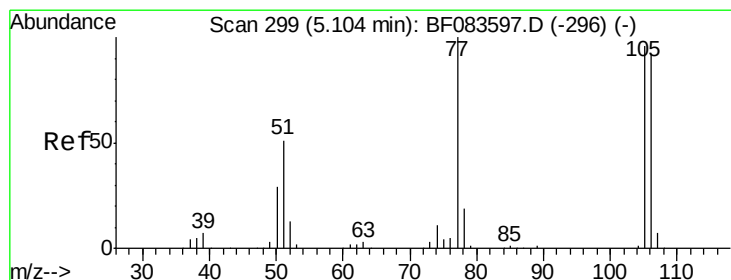
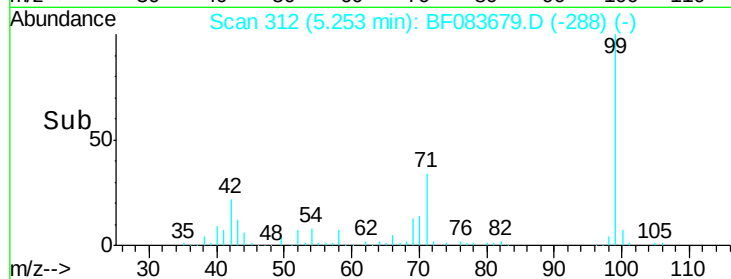
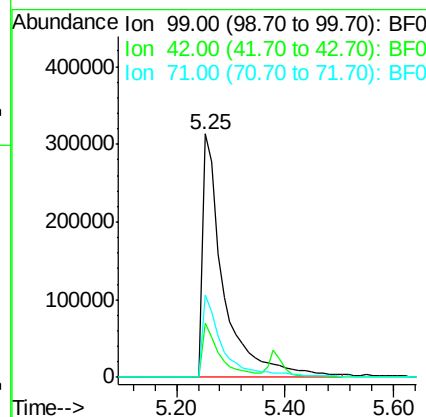
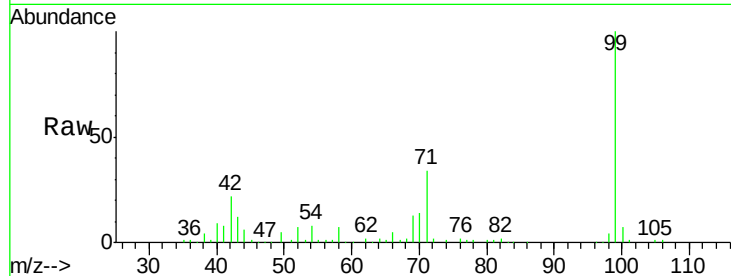
ClientSampleId :

PCPY1DL

Tot Ion:	99	Resp:	837762
Ion Ratio	Lower	Upper	
99	100		
42	22.2	17.3	25.9
71	33.8	26.6	40.0

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#9

Benzaldehyde

Concen: 7.35 ng

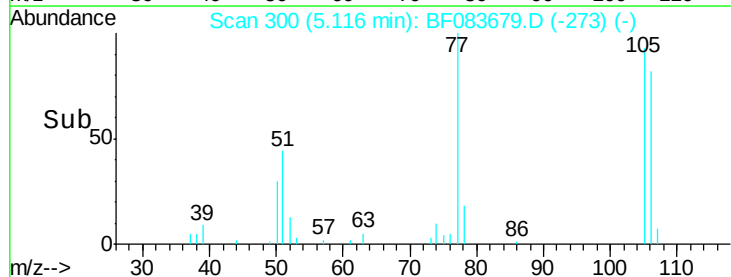
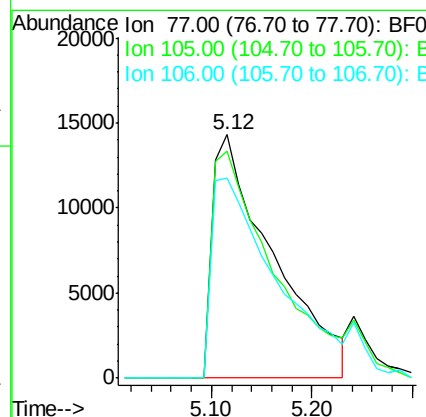
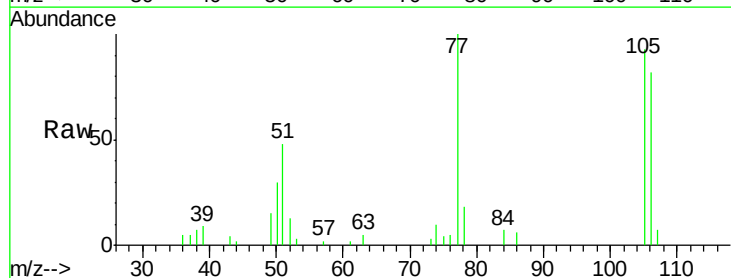
RT: 5.12 min Scan# 300

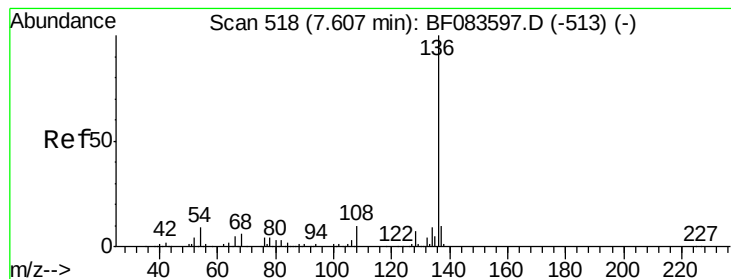
Delta R.T. 0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Tgt Ion:	77	Resp:	59545
Ion Ratio	Lower	Upper	
77	100		
105	93.0	71.8	111.8
106	82.0	66.8	106.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

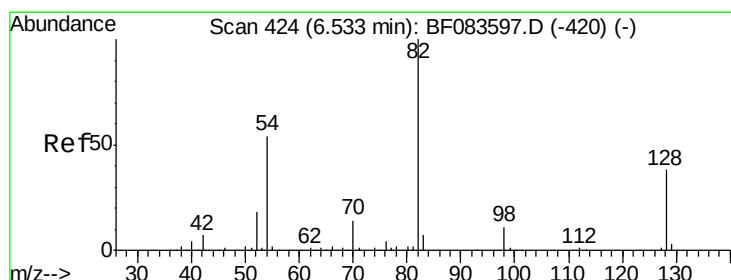
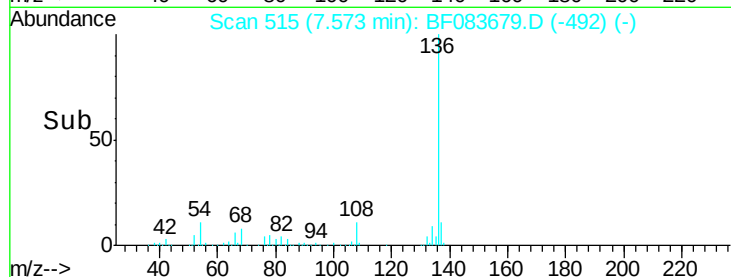
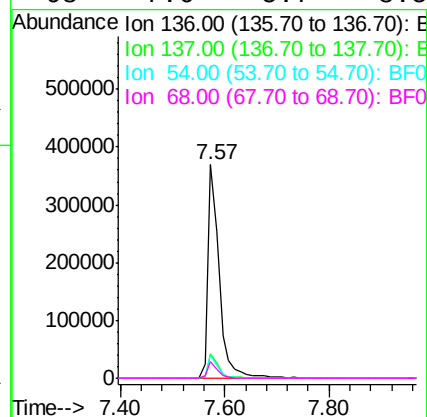
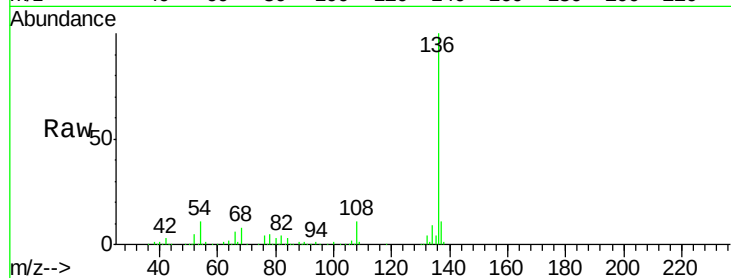
ClientSampleId :

PCPY1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		558793		
137	11.1	8.7	13.1		
54	10.8	7.8	11.6		
68	7.6	5.7	8.5		

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#23

Nitrobenzene-d5

Concen: 42.53 ng

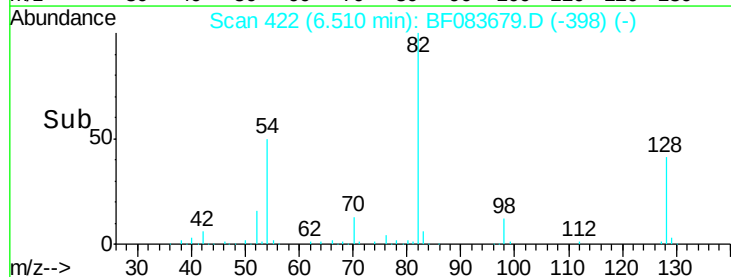
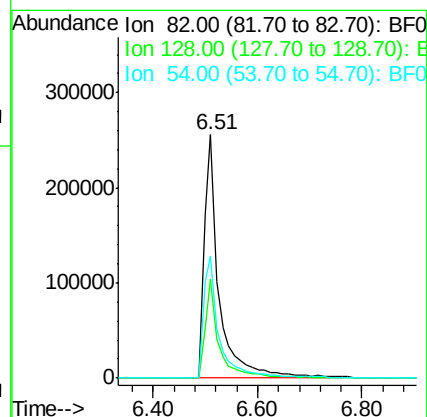
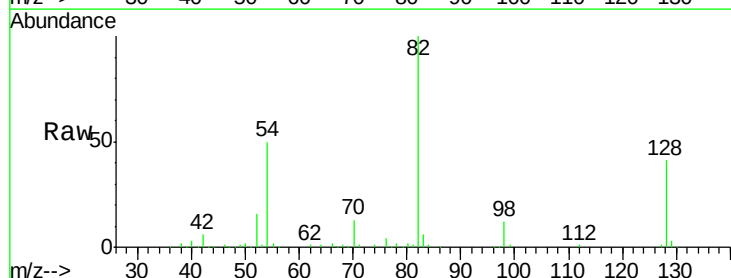
RT: 6.51 min Scan# 422

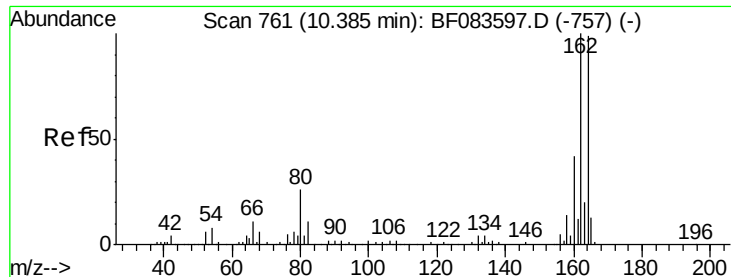
Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		509327		
128	40.8	30.7	46.1		
54	50.0	42.5	63.7		





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

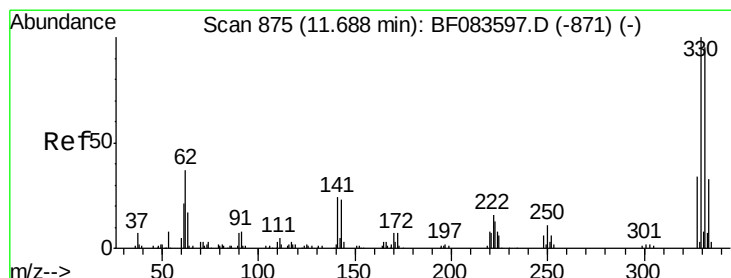
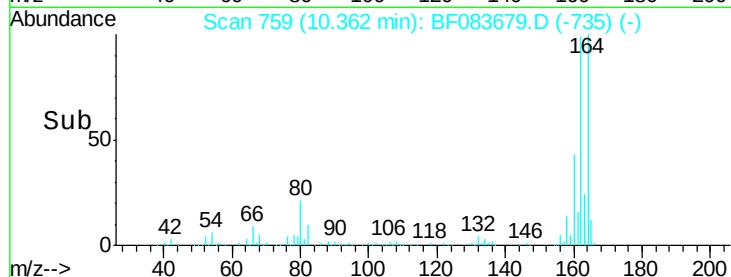
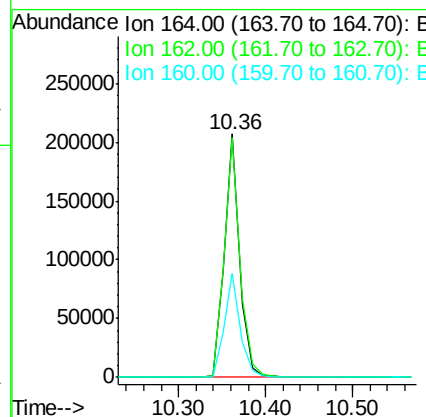
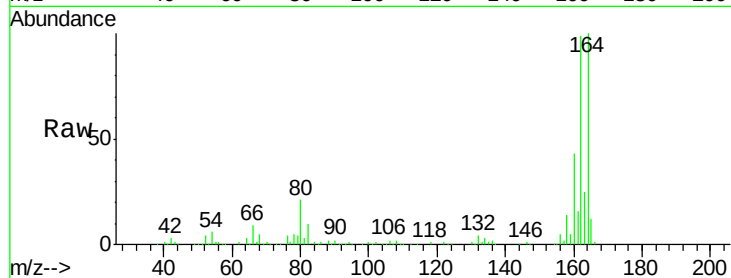
ClientSampleId :

PCPY1DL

Tot Ion:	164	Resp:	256757
Ion Ratio	Lower	Upper	
164	100		
162	98.7	78.8	118.2
160	42.8	33.4	50.2

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#41

2,4,6-Tribromophenol

Concen: 50.70 ng

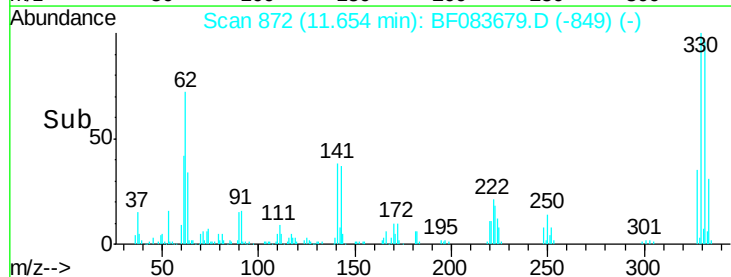
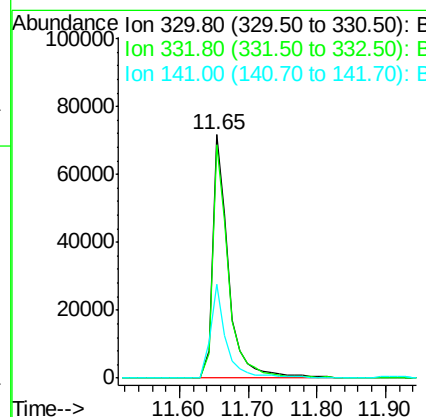
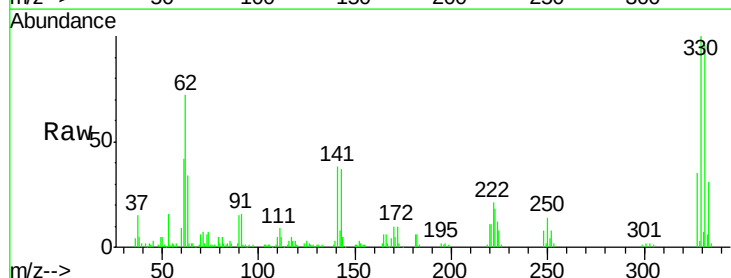
RT: 11.65 min Scan# 872

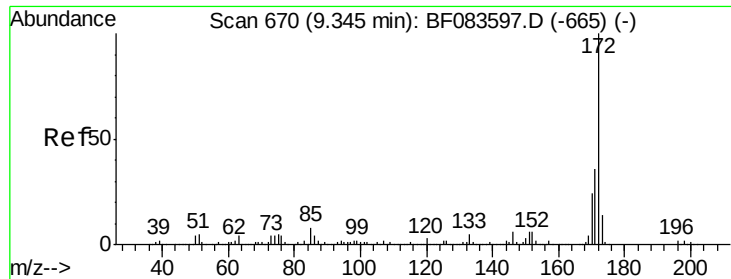
Delta R.T. -0.03 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Tgt Ion:	330	Resp:	115970
Ion Ratio	Lower	Upper	
330	100		
332	95.2	0.0	0.0#
141	38.2	0.0	0.0#





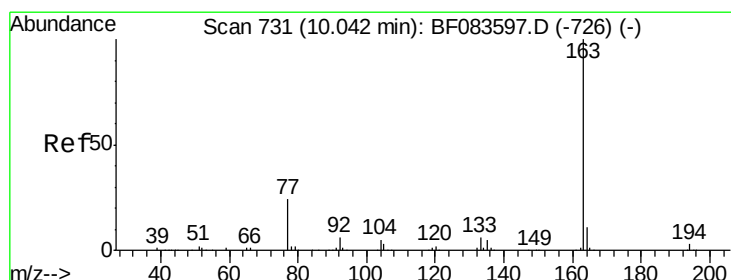
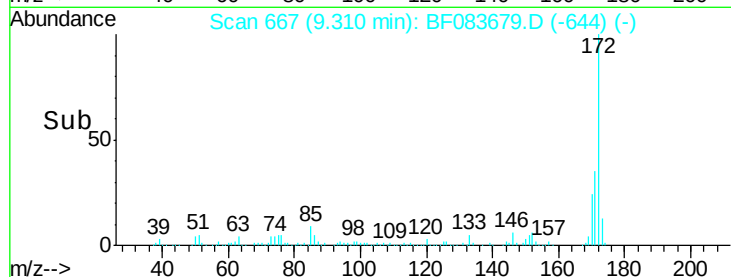
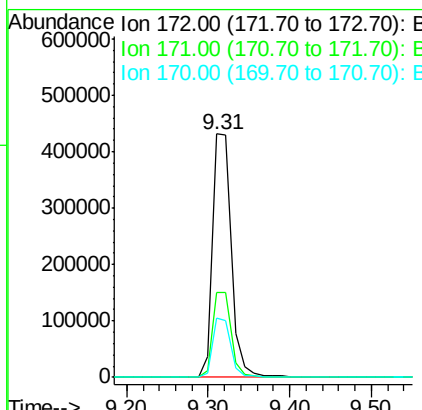
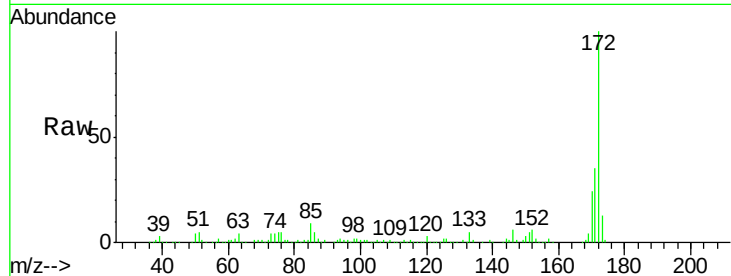
#44
2-Fluorobiphenyl
Concen: 38.30 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.03 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	698637		
171	35.0		28.6	42.8
170	24.3		19.4	29.0

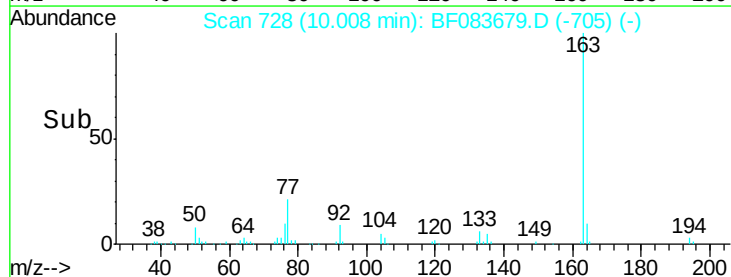
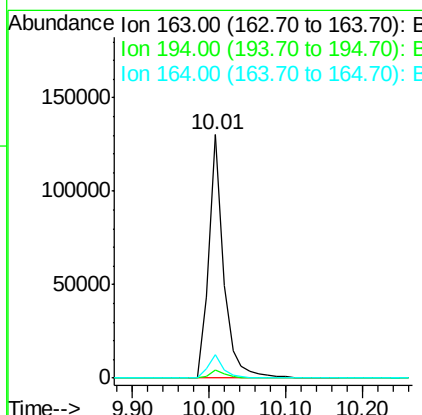
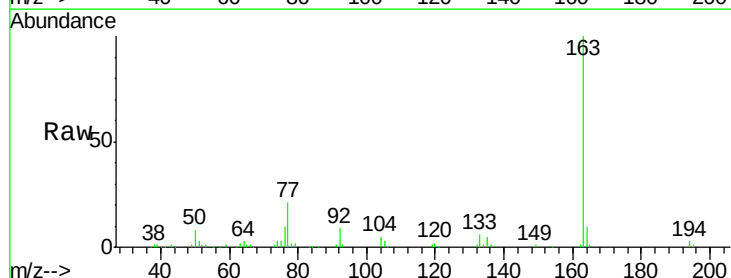
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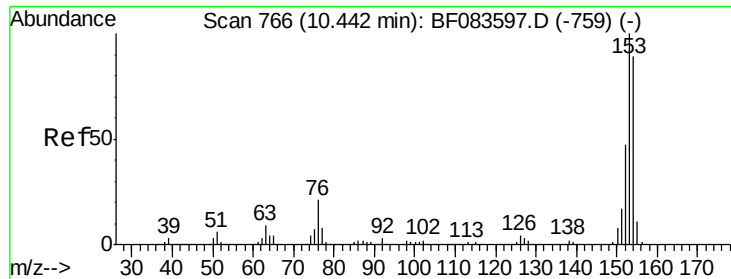
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12/10/2015 5:50:55 PM



#49
Dimethylphthalate
Concen: 8.57 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	175137		
194	3.5		2.8	4.2
164	9.9		8.6	13.0





#51

Acenaphthene

Concen: 3.36 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

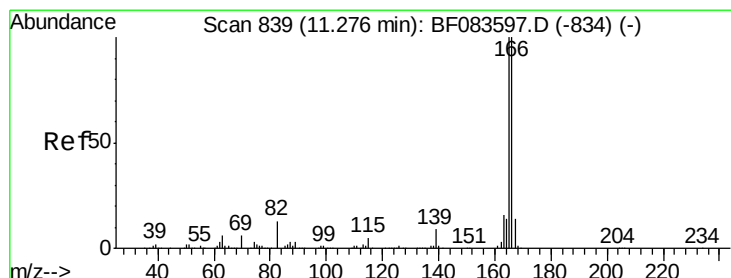
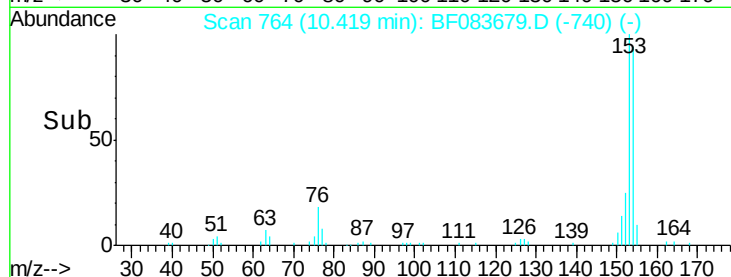
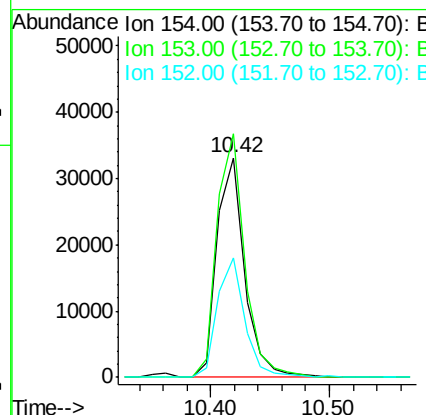
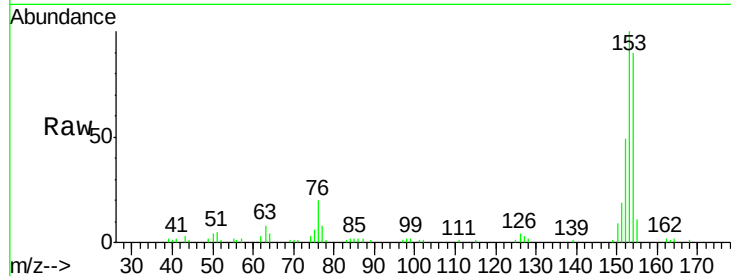
ClientSampleId :

PCPY1DL

Tot Ion:	154	Resp:	53437
Ion Ratio	Lower	Upper	
154	100		
153	110.8	91.4	137.0
152	54.4	43.4	65.2

Manual Integrations
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#57

Fluorene

Concen: 2.50 ng

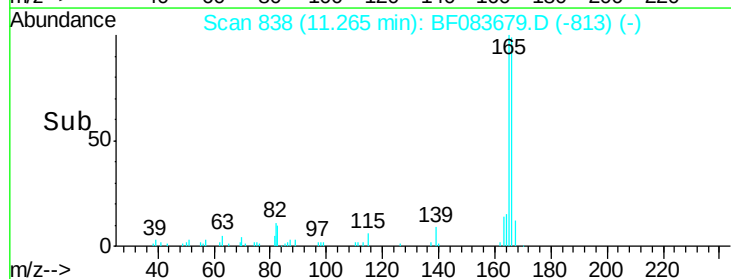
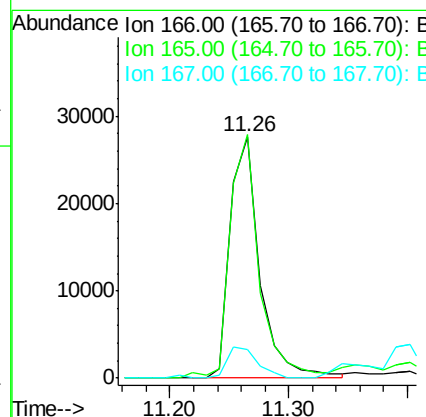
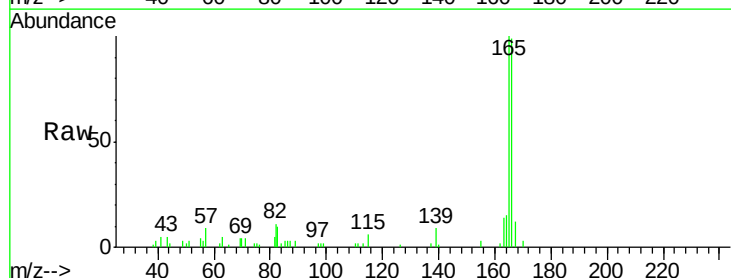
RT: 11.26 min Scan# 838

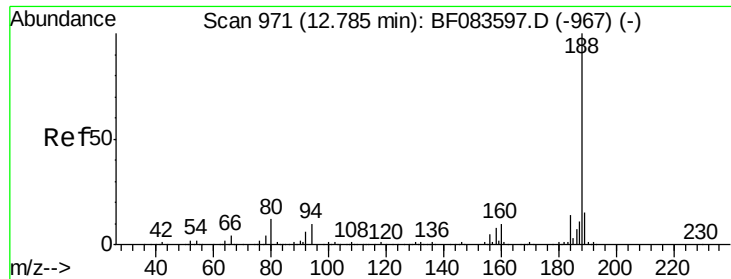
Delta R.T. -0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Tgt Ion:	166	Resp:	48155
Ion Ratio	Lower	Upper	
166	100		
165	100.9	80.0	120.0
167	11.8	10.6	16.0





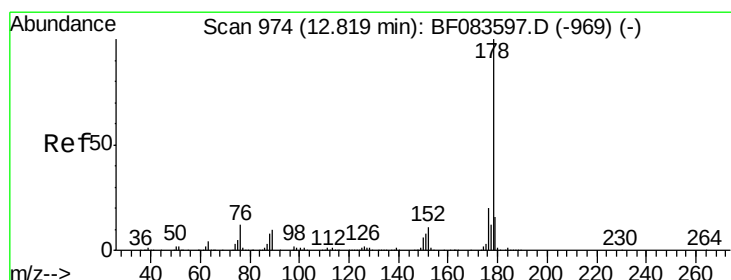
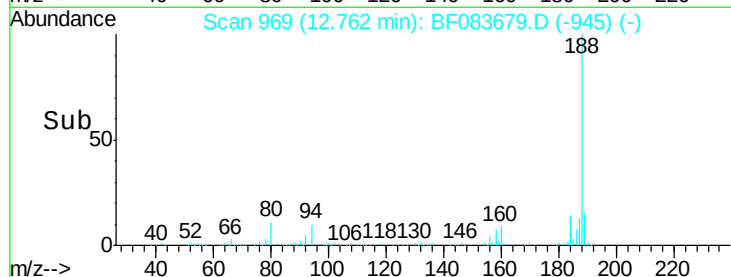
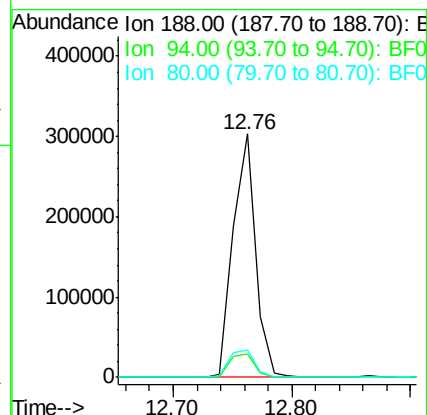
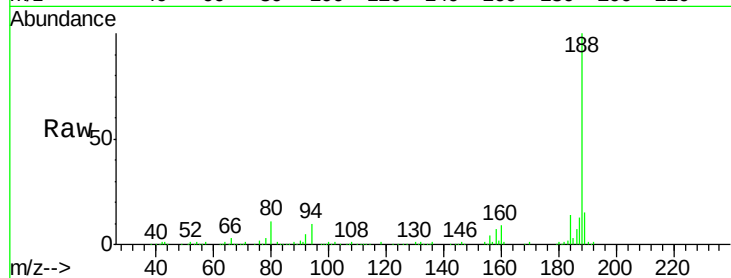
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	9.4	14.2
80	11.0	10.6	16.0

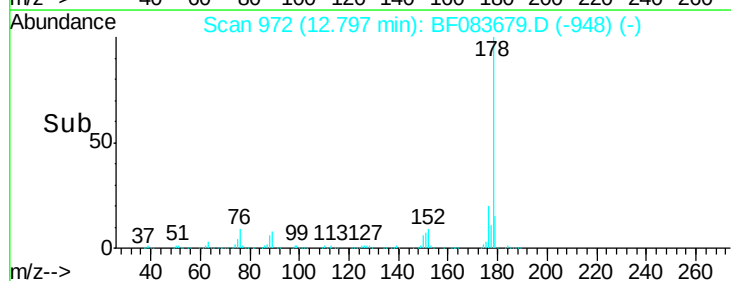
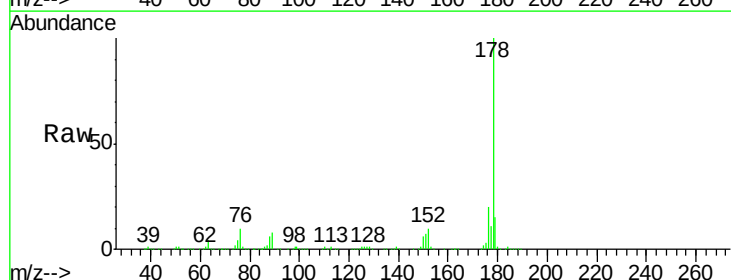
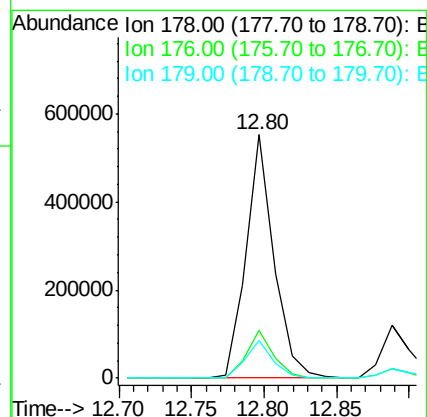
Manual Integrations
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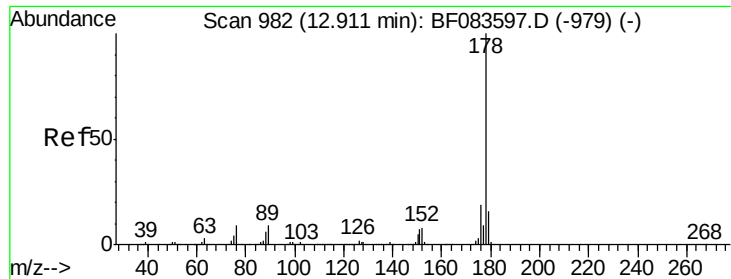
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#70
Phenanthrene
Concen: 32.26 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	12.2	18.4





#71

Anthracene

Concen: 7.35 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

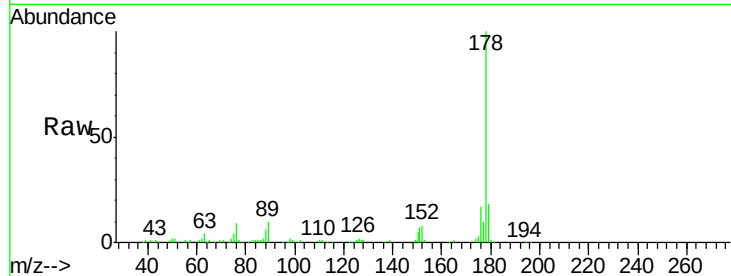
ClientSampleId :

PCPY1DL

Tot Ion:	178	Resp:	174237
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.2	22.8
179	18.0	12.6	18.8

Manual Integrations
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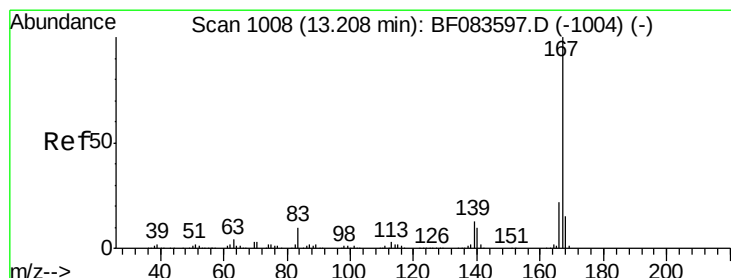
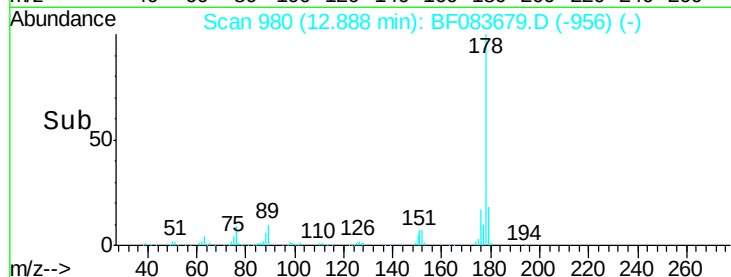
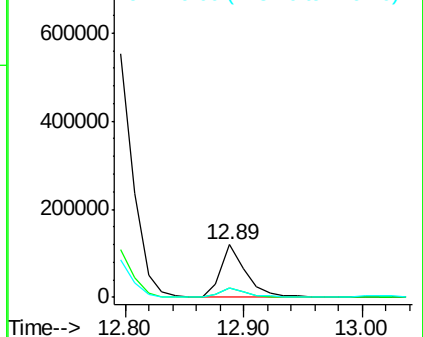
MMdadoda
12/10/2015 5:50:55 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.89 ng

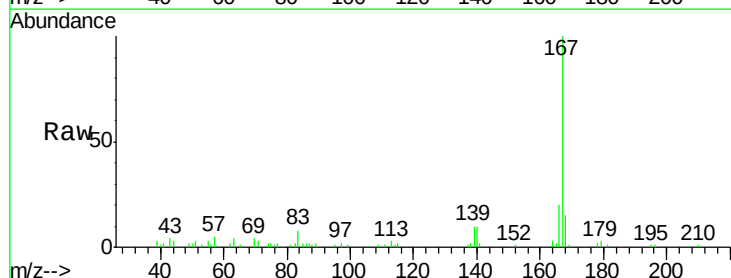
RT: 13.21 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

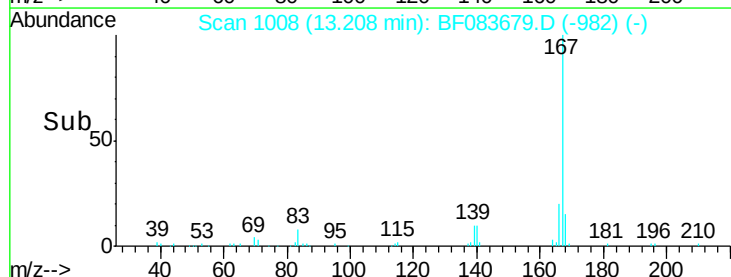
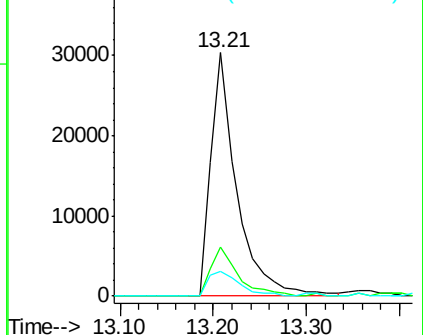
Tgt Ion:	167	Resp:	58858
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.2	25.8
139	10.1	9.3	13.9

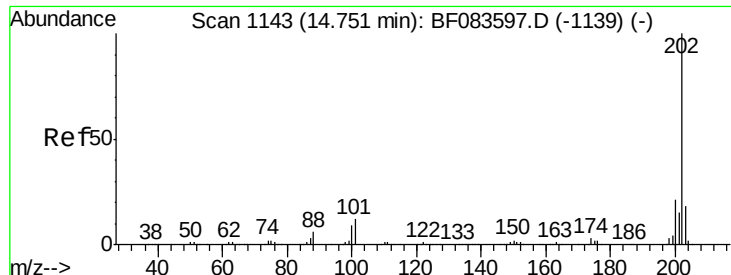


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





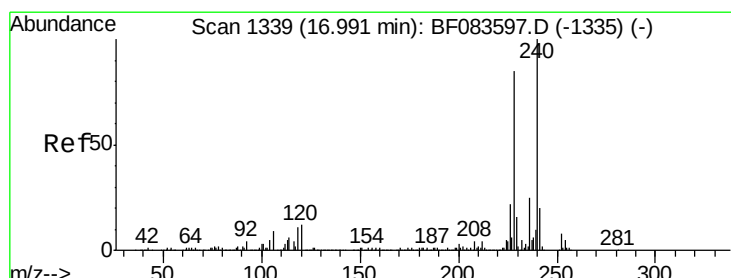
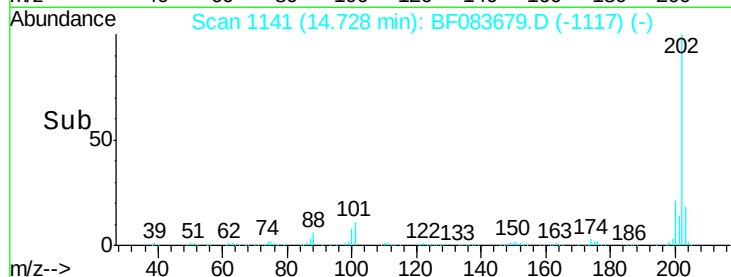
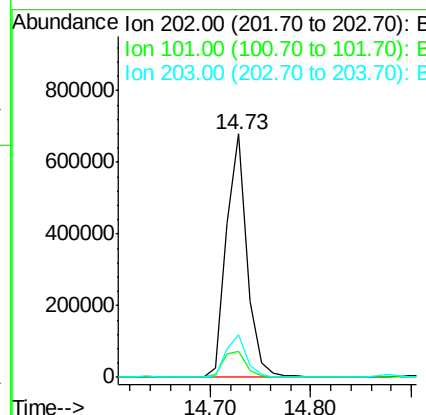
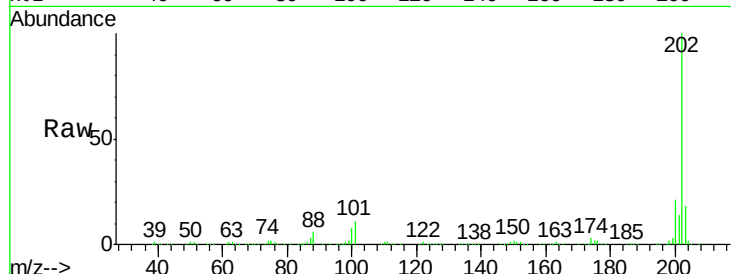
#74
 Fluoranthene
 Concen: 41.44 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.6	0.0	37.6

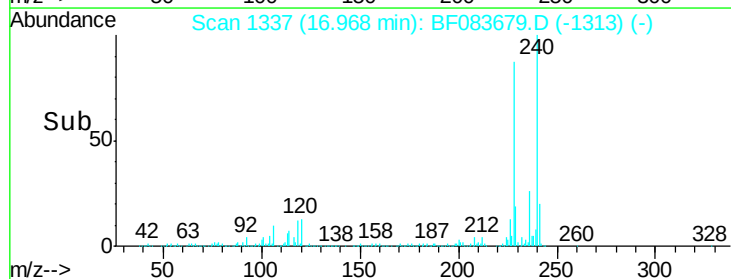
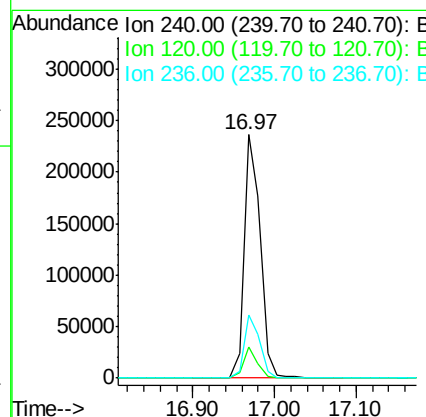
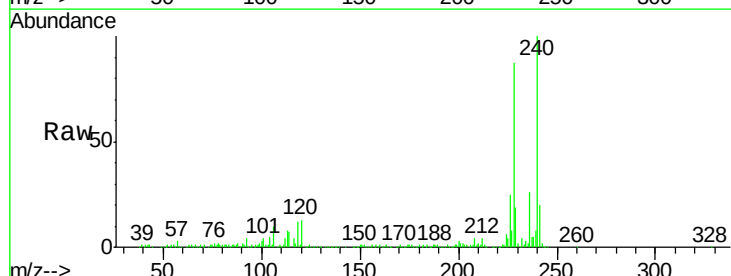
Manual Integrations
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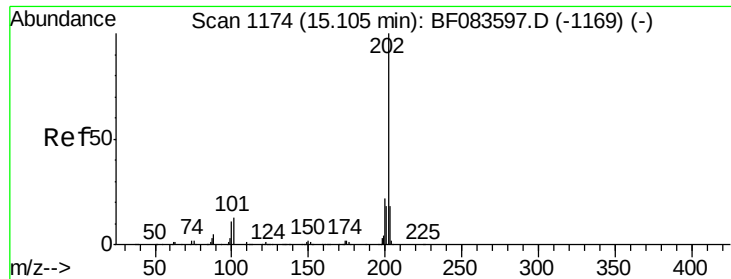
MMdadoda
 12/10/2015 5:50:55 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF083679.D
 Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	8.1	12.1#
236	26.1	20.8	31.2





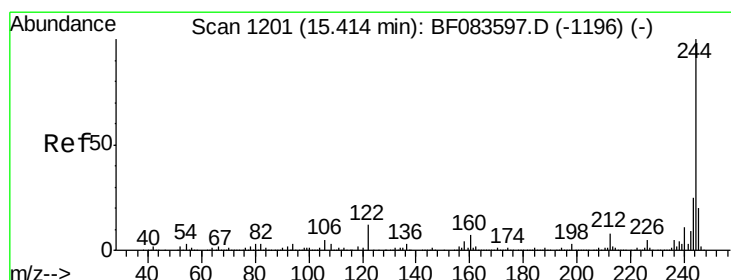
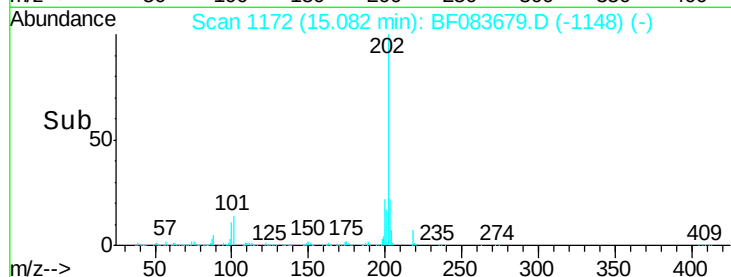
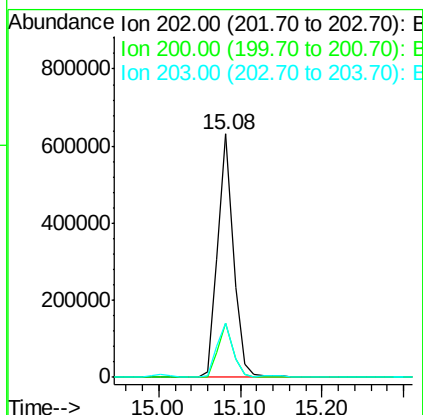
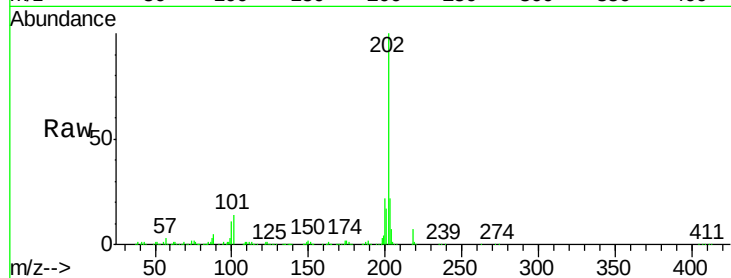
#77
Pvrene
Concen: 36.63 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.7	25.1
203	22.0	14.3	21.5

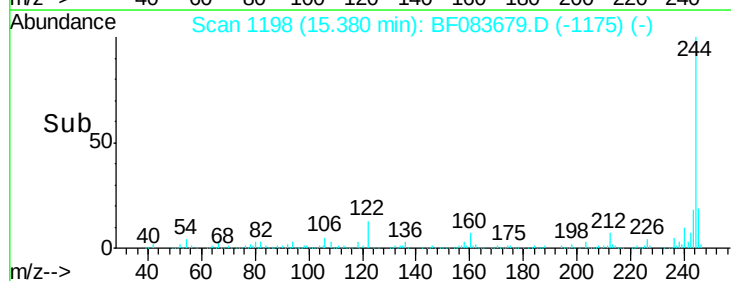
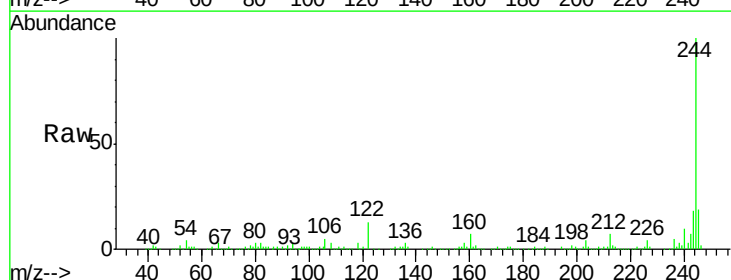
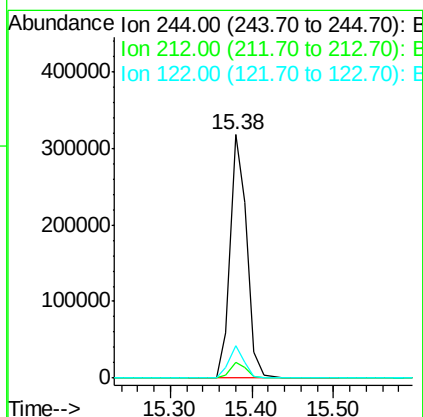
Manual Integrations
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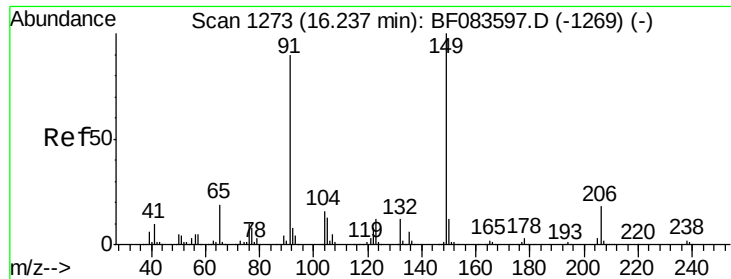
MMdadoda
12/10/2015 5:50:55 PM



#78
Terphenyl-d14
Concen: 32.61 ng
RT: 15.38 min Scan# 1198
Delta R.T. -0.03 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.1	9.1
122	13.2	11.0	16.6





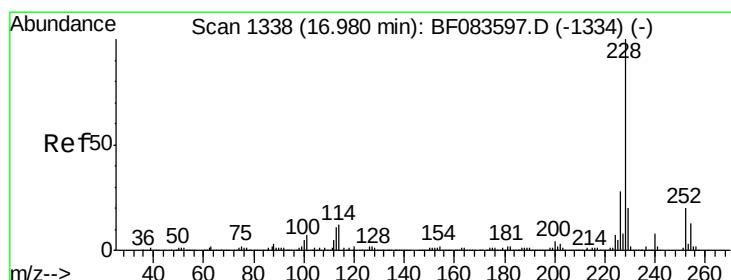
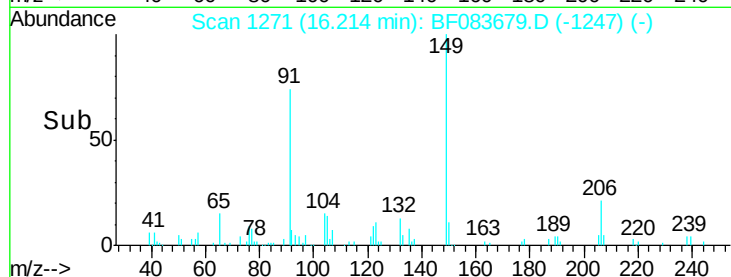
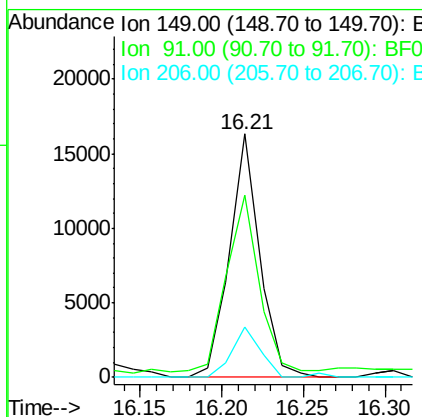
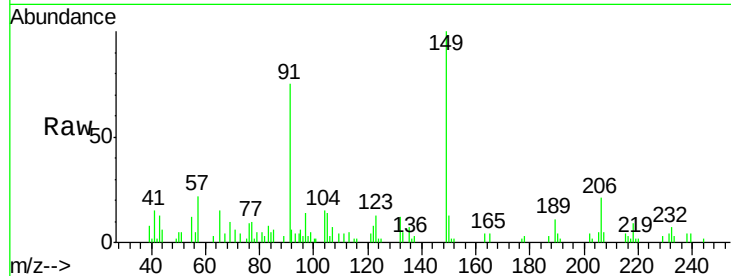
#79
Butylbenzylphthalate
Concen: 2.02 ng
RT: 16.21 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Resp	Lower	Upper
149	100	20822		
91	74.7	60.0	90.0	
206	20.6	16.2	24.4	

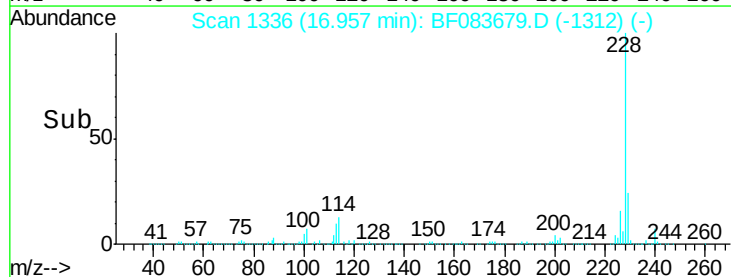
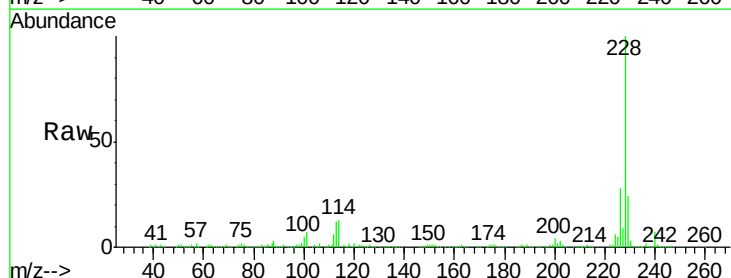
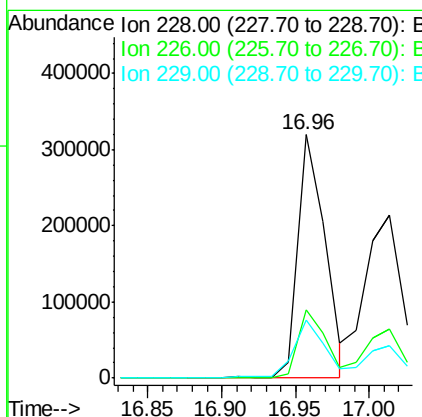
Manual Integrations
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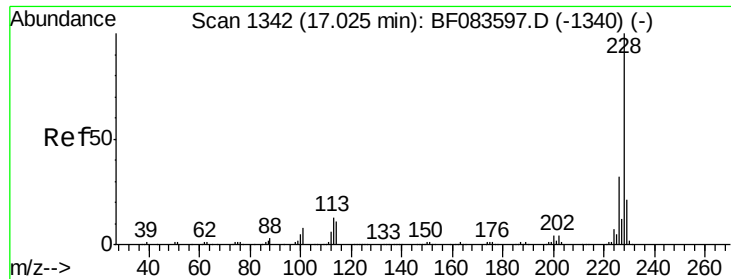
MMdadoda
12/10/2015 5:50:55 PM



#80
Benzo(a)anthracene
Concen: 21.70 ng m
RT: 16.96 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	409184		
226	28.1	22.3	33.5	
229	23.6	15.7	23.5#	





#82

Chrysene

Concen: 19.78 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Instrument :

BNA_F

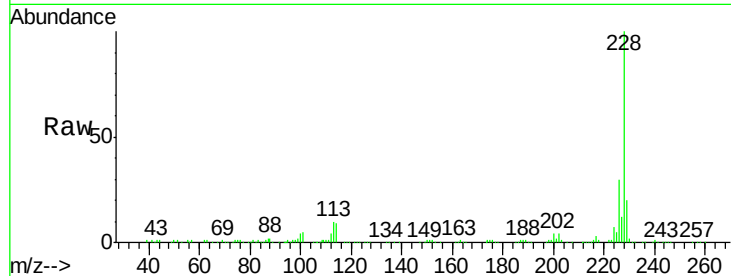
ClientSampleId :

PCPY1DL

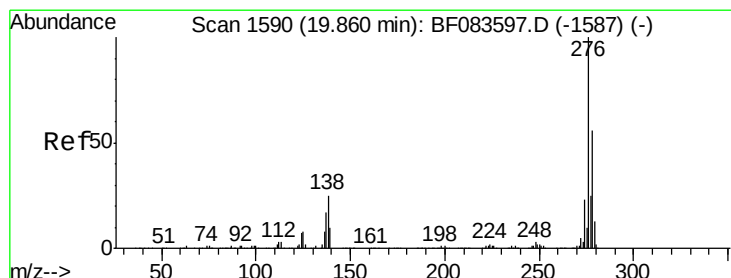
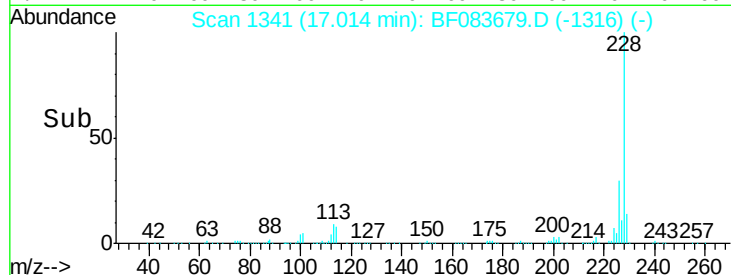
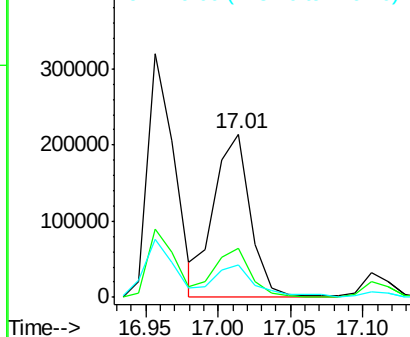
Tot Ion:	228	Resp:	373881
Ion Ratio		Lower	Upper
228	100		
226	29.9	24.7	37.1
229	19.9	16.3	24.5

Manual Integrations
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MMdadoda
12/10/2015 5:50:55 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.88 ng

RT: 19.87 min Scan# 1591

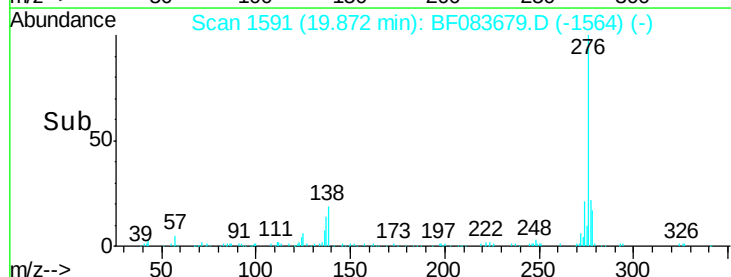
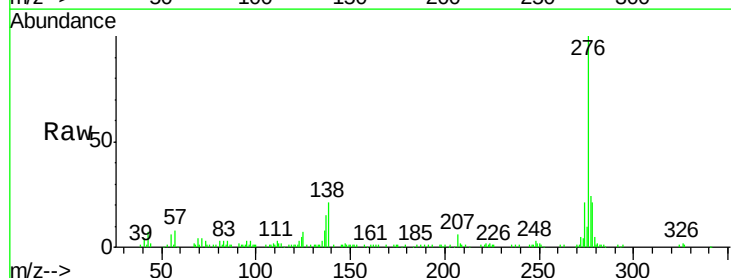
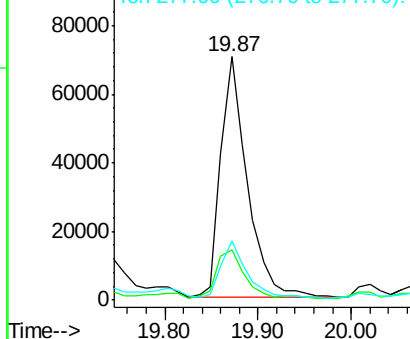
Delta R.T. 0.01 min

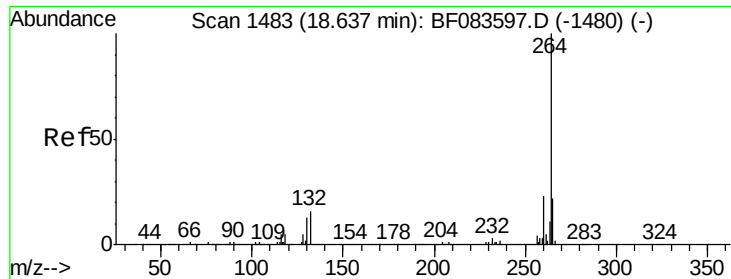
Lab File: BF083679.D

Acq: 10 Dec 2015 11:43

Tgt Ion:	276	Resp:	138789
Ion Ratio		Lower	Upper
276	100		
138	22.4	0.0	0.0#
277	22.7	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





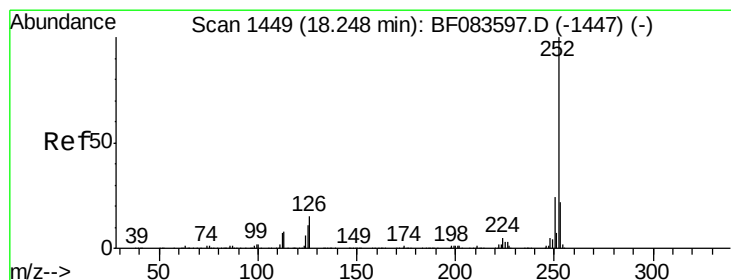
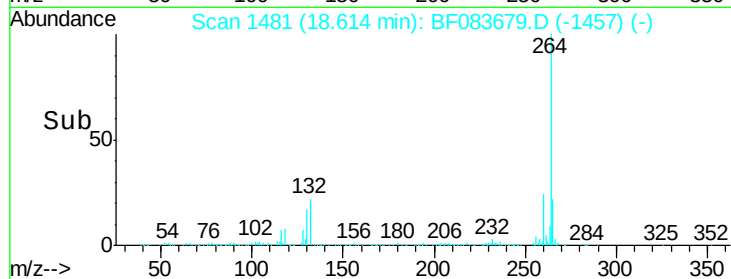
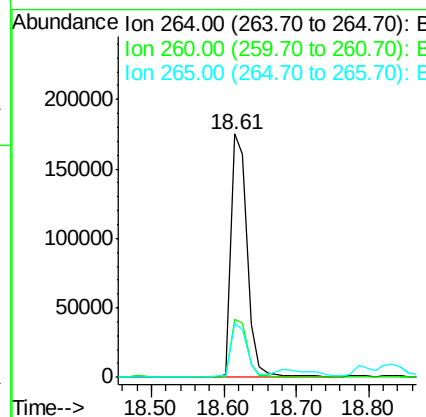
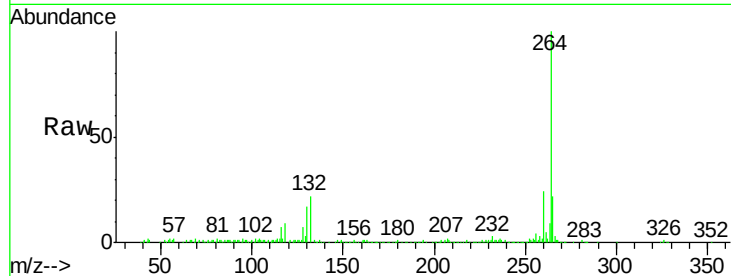
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	22.1	17.8	26.6

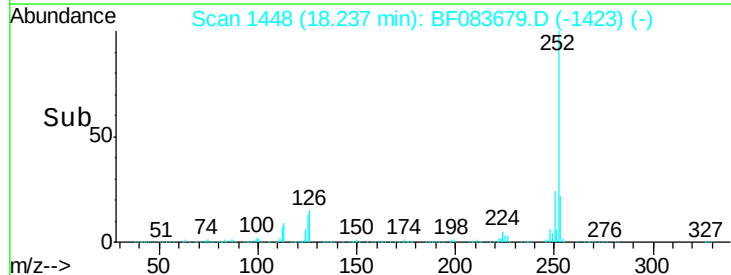
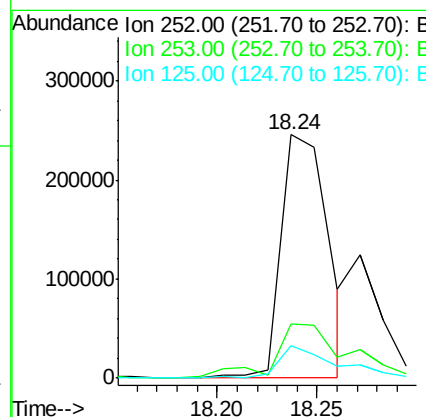
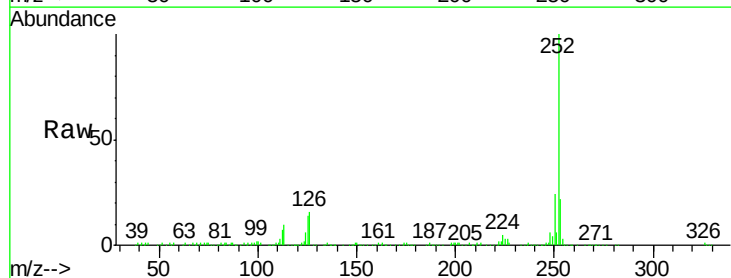
Manual Integrations
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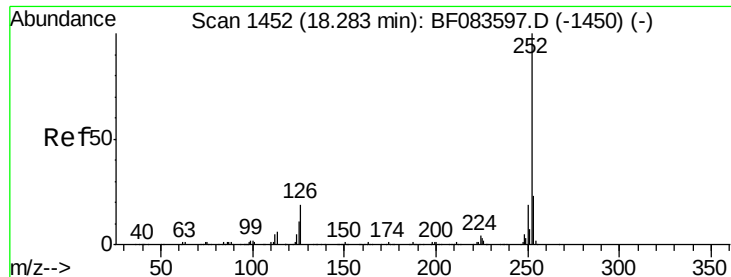
MMdadoda
12/10/2015 5:50:55 PM



#87
Benzo(b)fluoranthene
Concen: 25.69 ng m
RT: 18.24 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	13.5	8.2	12.4#





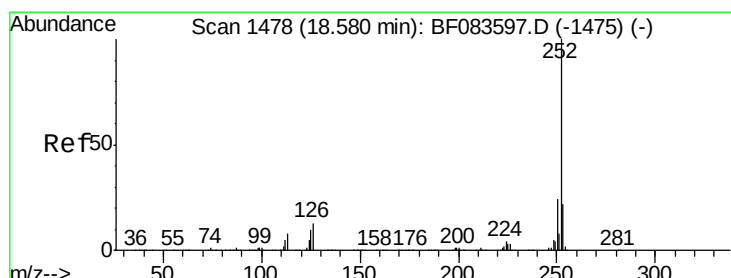
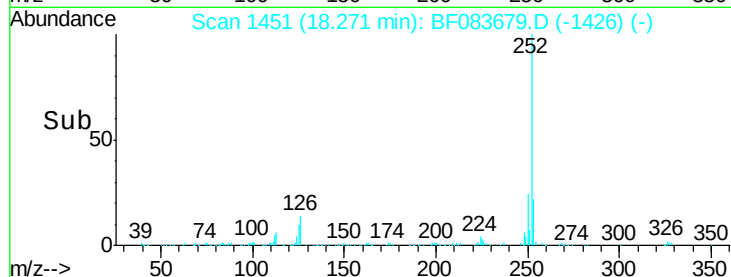
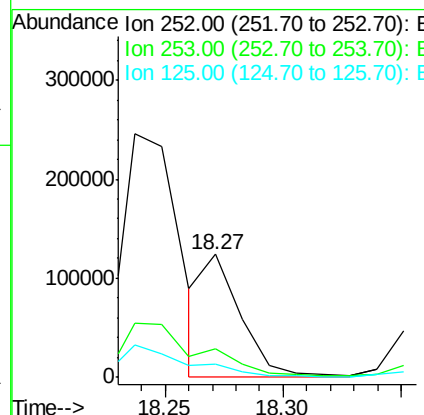
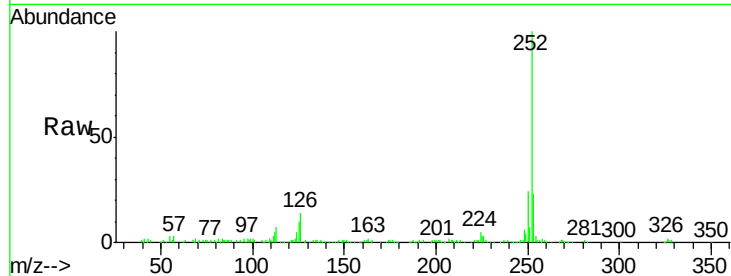
#88
Benzo(k)fluoranthene
Concen: 8.20 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	10.3	11.5	17.3#

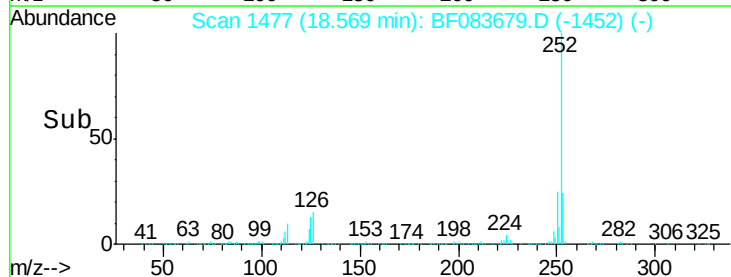
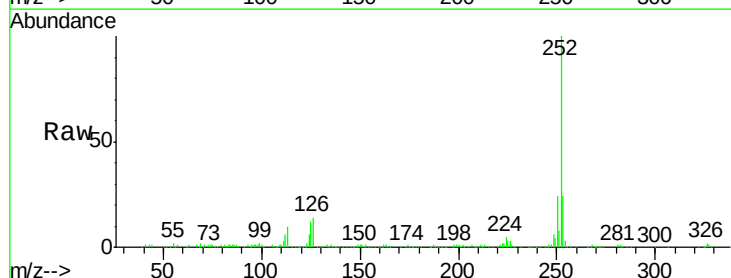
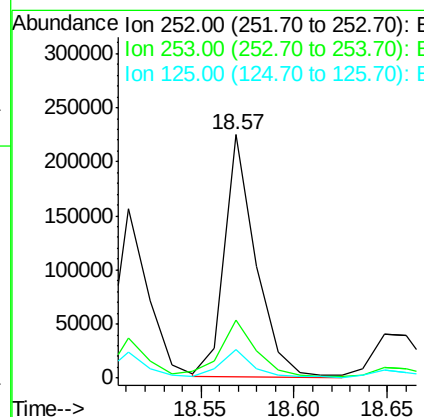
Manual Integrations
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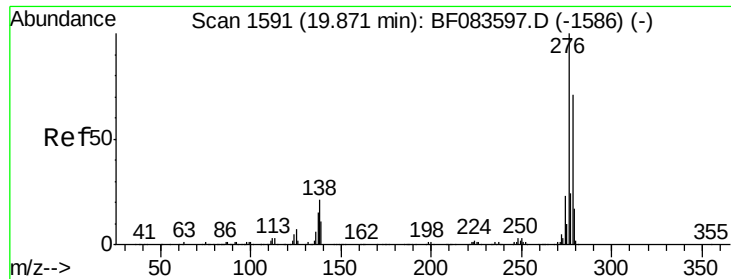
MMdadoda
12/10/2015 5:50:55 PM



#89
Benzo(a)pyrene
Concen: 17.38 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.8	11.0	16.6





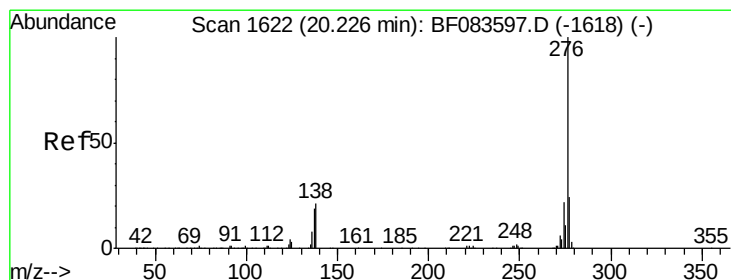
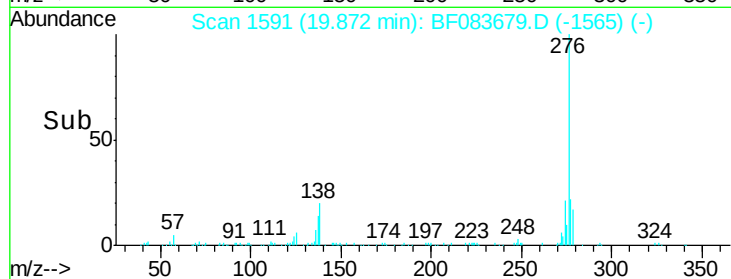
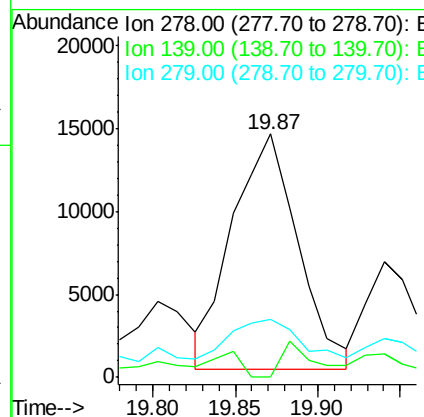
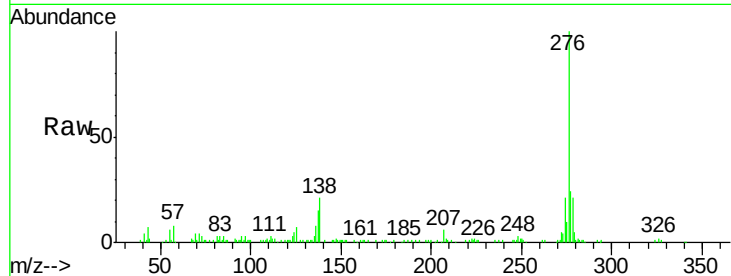
#90
Dibenzo(a,h)anthracene
Concen: 3.39 ng/mL
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Instrument :
BNA_F
ClientSampleId :
PCPY1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	23.7	18.6	28.0

Manual Integrations
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MMdadoda
12/10/2015 5:50:55 PM



#91
Benzo(g,h,i)perylene
Concen: 11.38 ng/mL
RT: 20.23 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BF083679.D
Acq: 10 Dec 2015 11:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	21.7	19.5	29.3

