

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083617.D
 Acq On : 9 Dec 2015 2:19
 Operator : UM/IZ
 Sample : G4637-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY5

Manual Integrations
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Mmdadoda
 12/9/2015 6:13:38 PM

Quant Time: Dec 09 04:05:44 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	143857	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	546352	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	258747	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	419043	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	290135	20.00	ng	0.00
86) Perylene-d12	18.63	264	273739	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	243228	25.64	ng	0.01
7) Phenol-d6	5.28	99	349899	27.61	ng	0.00
23) Nitrobenzene-d5	6.52	82	215201	18.38	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	54258	23.54	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	299392	16.28	ng	-0.01
78) Terphenyl-d14	15.40	244	181474	14.72	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.63	128	67411	2.33	ng	99
49) Dimethylphthalate	10.03	163	75358	3.66	ng	100
51) Acenaphthene	10.43	154	43026	2.68	ng	98
57) Fluorene	11.28	166	47199	2.43	ng	99
70) Phenanthrene	12.82	178	491167	20.40	ng	98
71) Anthracene	12.91	178	120395	4.83	ng	97
72) Carbazole	13.22	167	47325	2.21	ng	99
74) Fluoranthene	14.74	202	512194	20.80	ng	99
77) Pyrene	15.09	202	411665	19.71	ng	# 95
80) Benzo(a)anthracene	16.98	228	205856	12.12	ng	99
82) Chrysene	17.03	228	155521	9.14	ng	98
83) Bis(2-ethylhexyl)phthalate	17.08	149	28673	2.23	ng	# 92
85) Indeno(1,2,3-cd)pyrene	19.88	276	68003	5.92	ng	# 100
87) Benzo(b)fluoranthene	18.26	252	193946m	12.44	ng	
88) Benzo(k)fluoranthene	18.28	252	71833m	4.18	ng	
89) Benzo(a)pyrene	18.58	252	133469	8.77	ng	97
91) Benzo(a,h,i)perylene	20.25	276	63733	5.62	ng	94

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

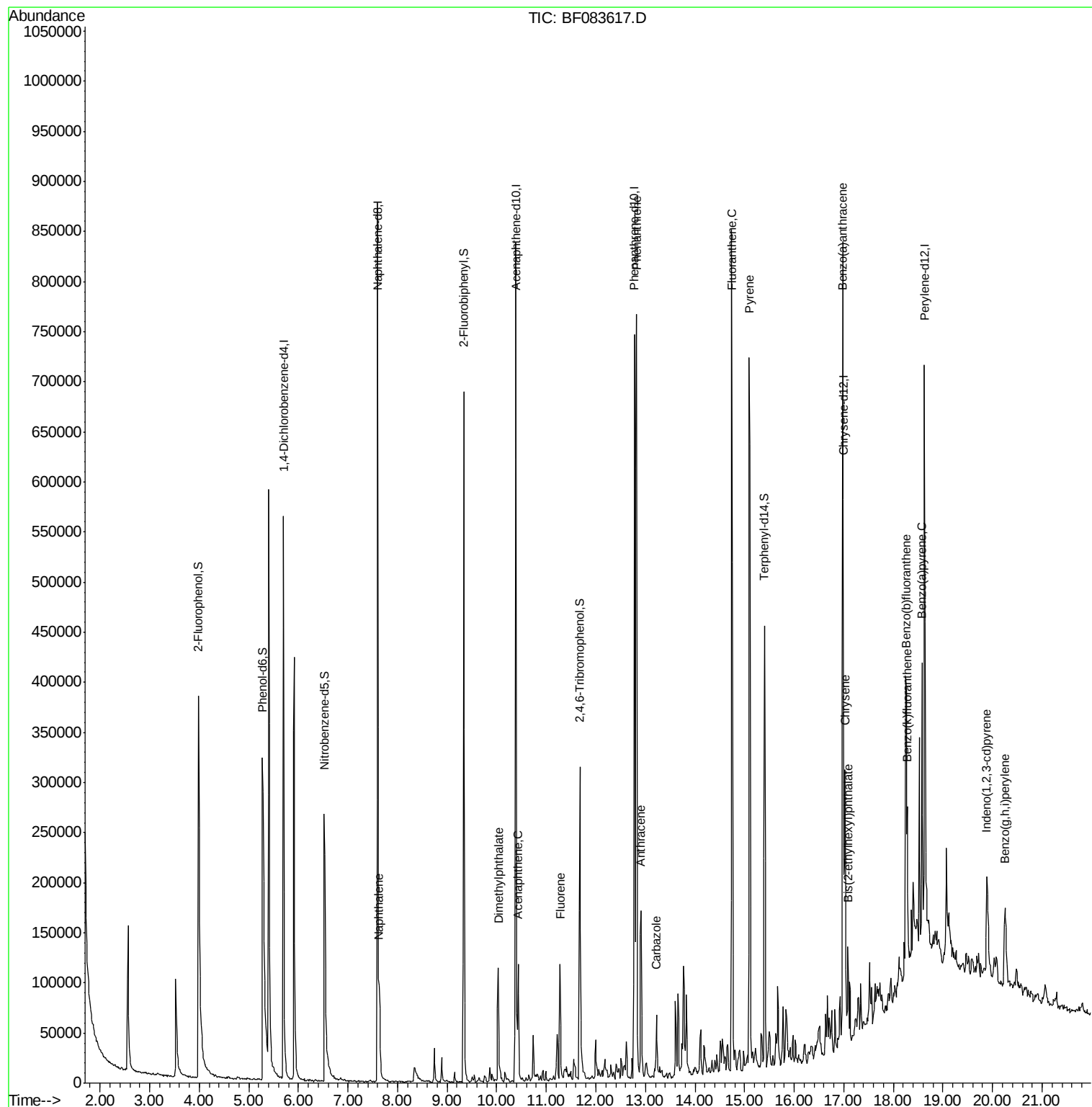
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
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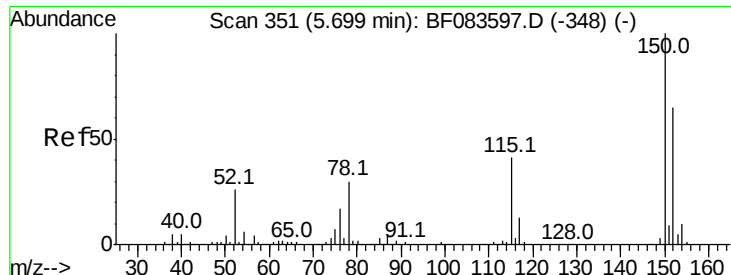
Instrument :
BNA_F
ClientSampled :
PCPY5

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#1

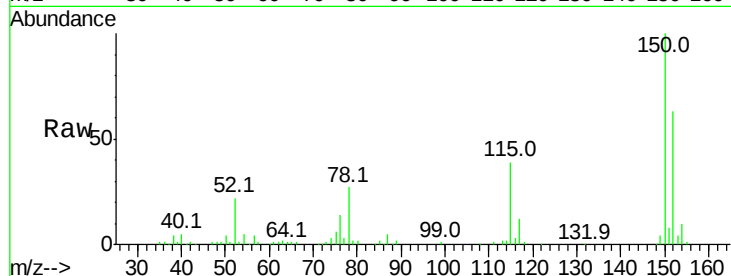
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
PCPY5

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.5	189.7
115	61.9	52.3	78.5

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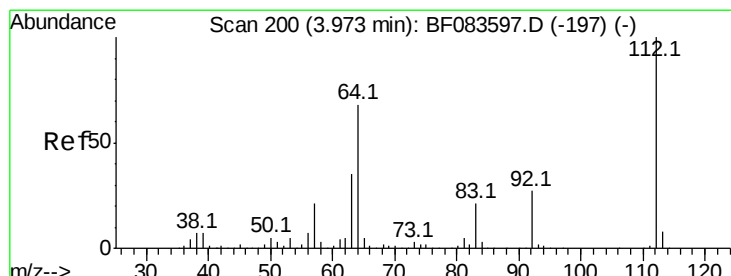
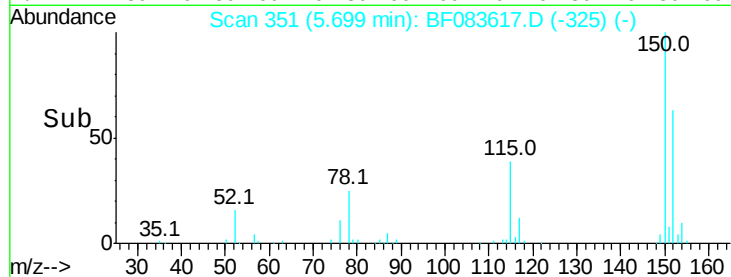
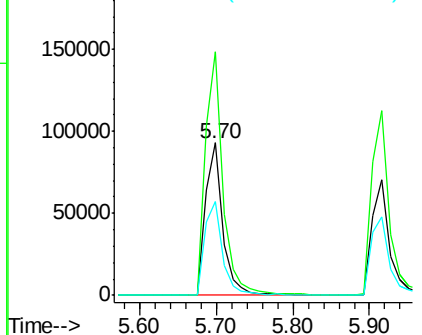


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

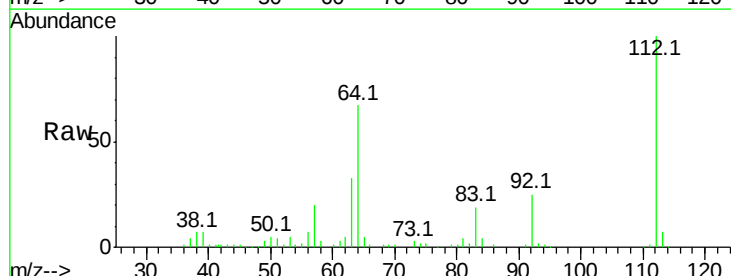
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.64 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	50.5	75.7
63	33.0	25.8	38.6

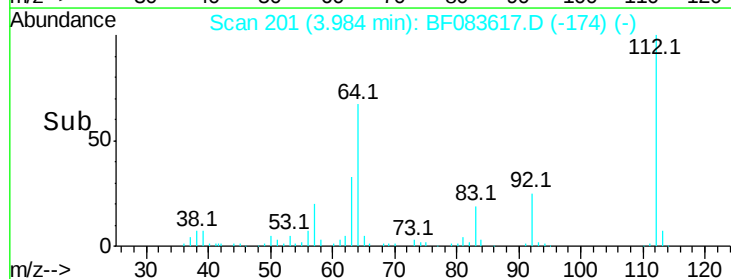
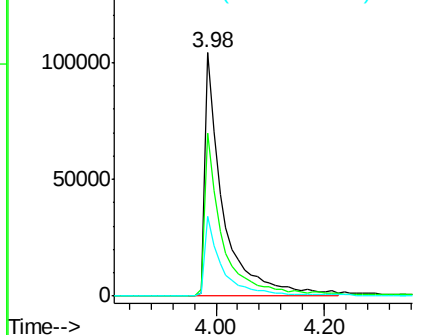


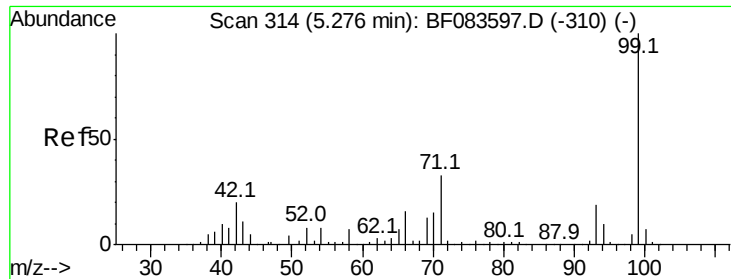
Abundance

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: 27.61 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

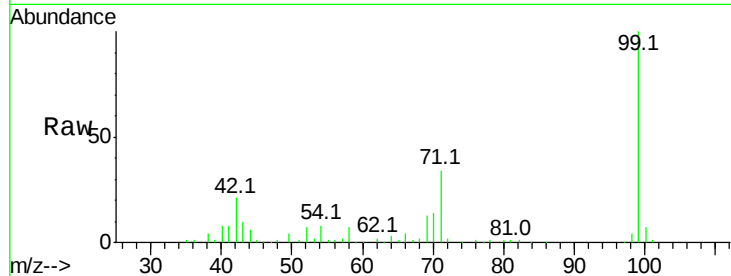
ClientSampleId :

PCPY5

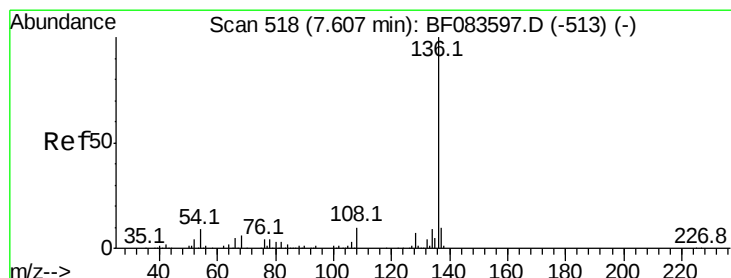
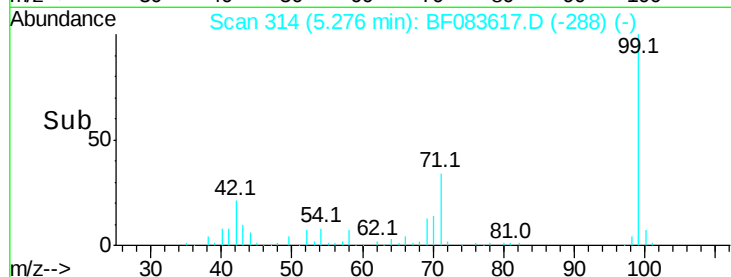
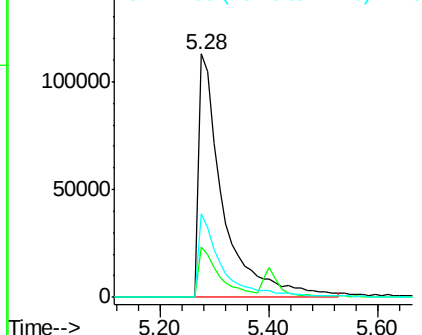
Tot Ion:	99	Resp:	349899
Ion Ratio	Lower	Upper	
99	100		
42	20.5	17.3	25.9
71	34.2	26.6	40.0

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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

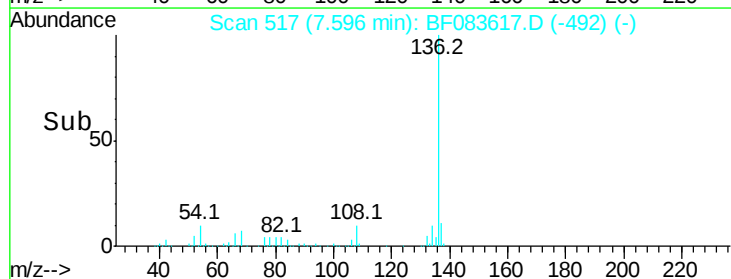
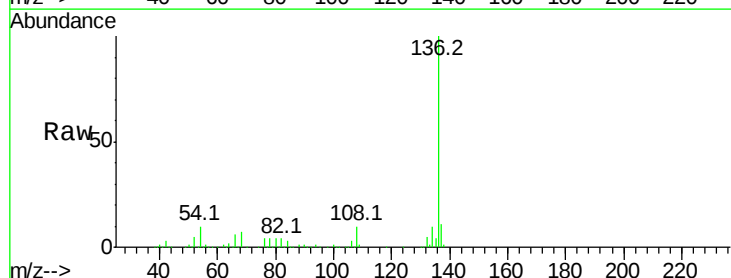
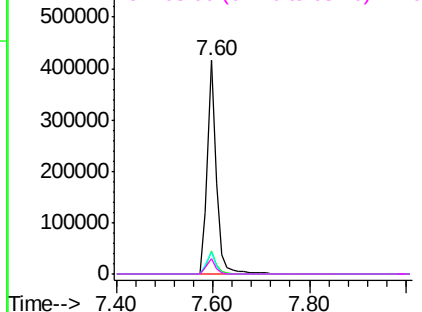
Delta R.T. -0.01 min

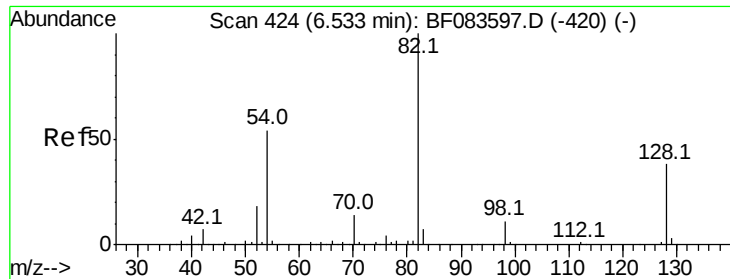
Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Tgt Ion:	136	Resp:	546352
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	10.4	7.8	11.6
68	7.1	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





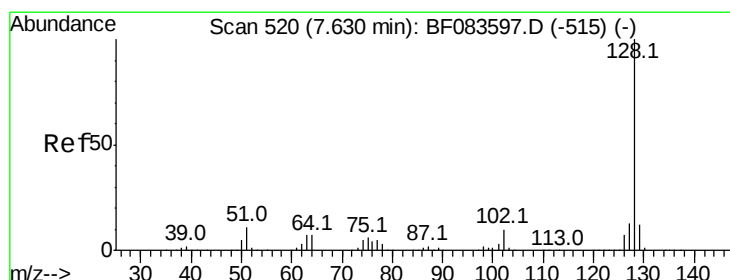
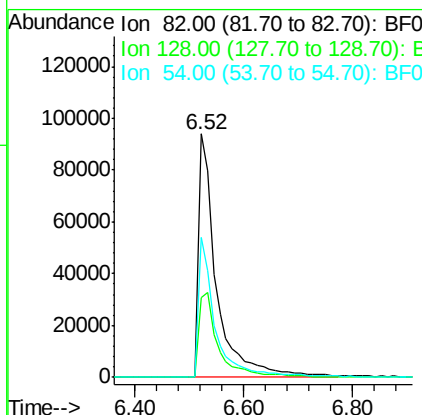
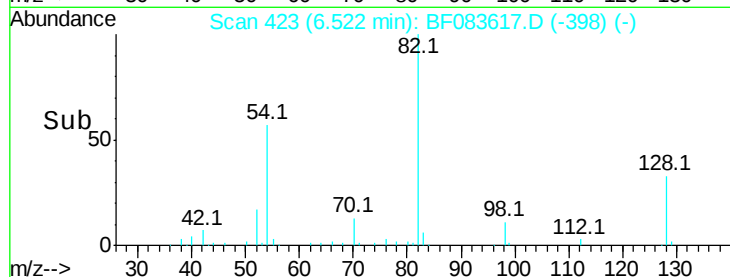
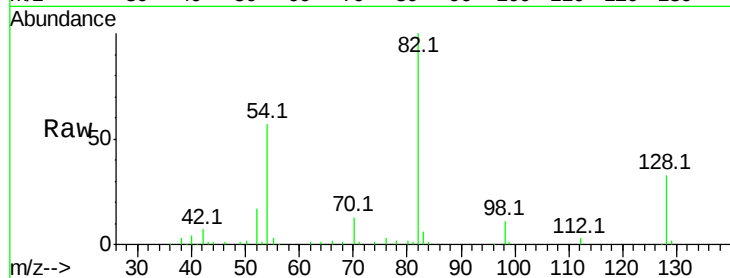
#23
 Nitrobenzene-d5
 Concen: 18.38 ng
 RT: 6.52 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 PCPY5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.8	30.7	46.1	
54	57.3	42.5	63.7	

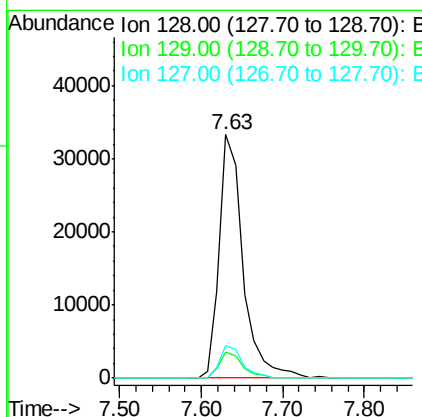
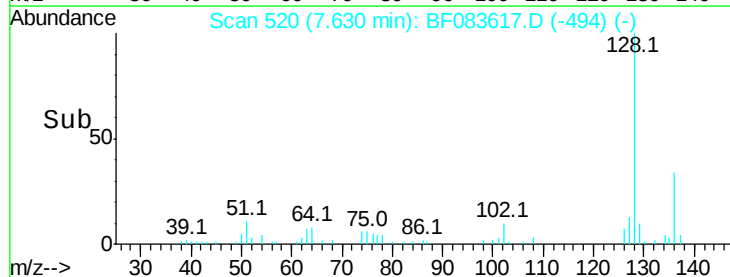
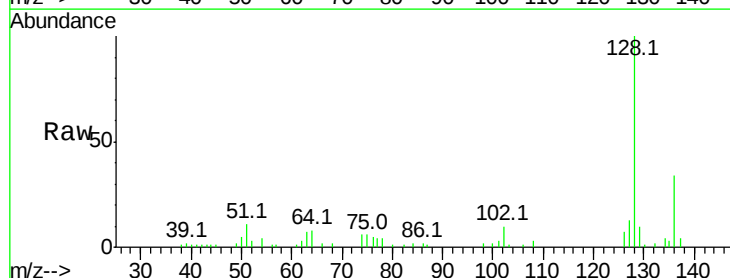
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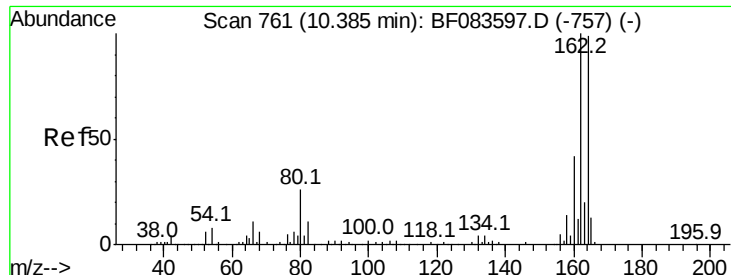
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#31
 Naphthalene
 Concen: 2.33 ng
 RT: 7.63 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.5	8.6	13.0	
127	13.4	10.6	16.0	





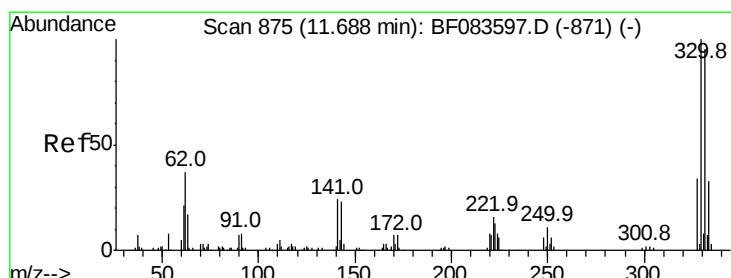
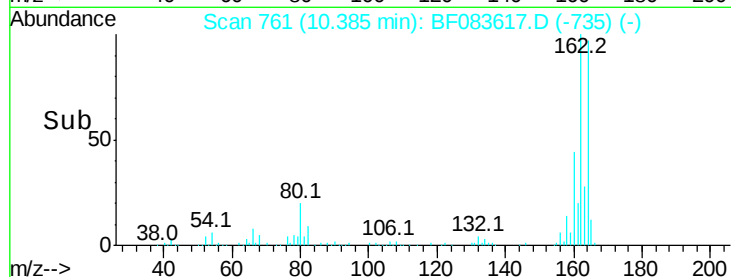
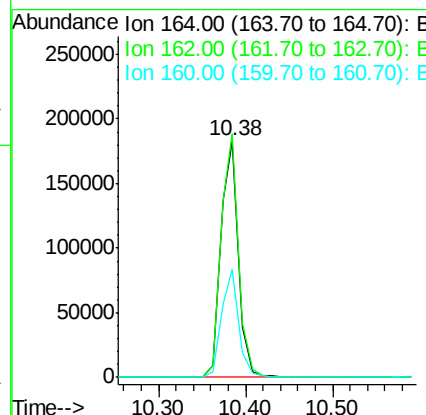
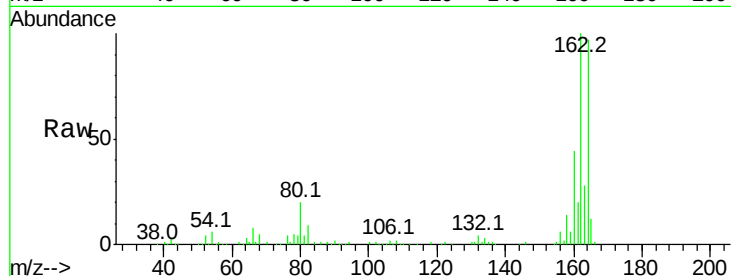
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Instrument :
BNA_F
ClientSampled :
PCPY5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	258747		
162	103.1	78.8	118.2	
160	45.7	33.4	50.2	

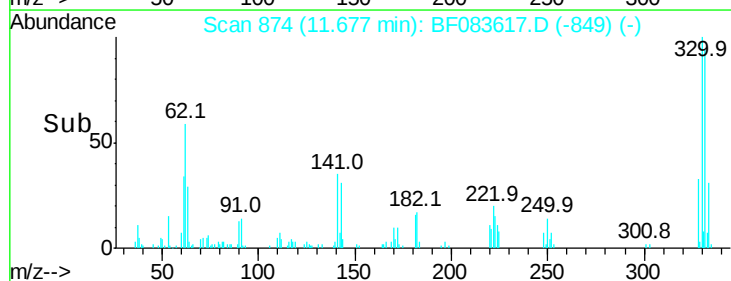
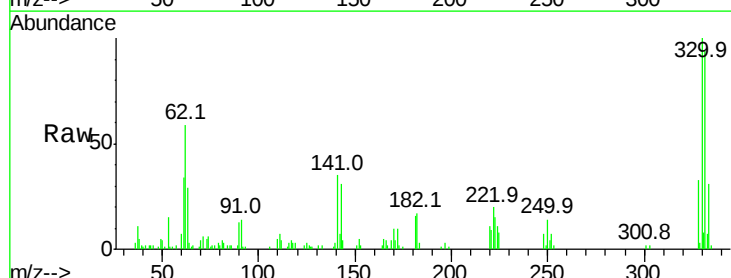
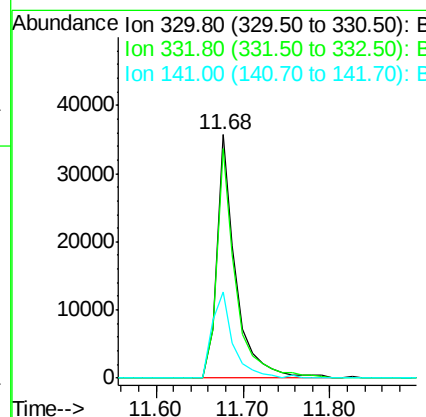
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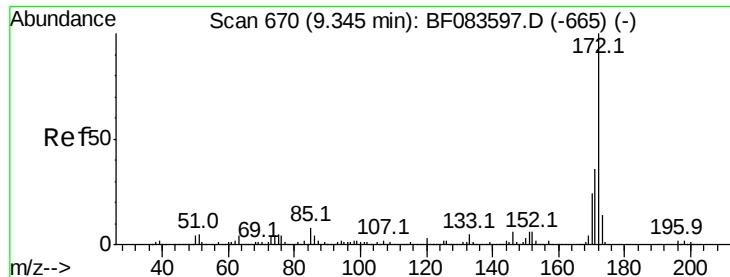
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#41
2,4,6-Tribromophenol
Concen: 23.54 ng
RT: 11.68 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	54258		
332	95.1	0.0	0.0#	
141	39.5	0.0	0.0#	





#44

2-Fluorobiphenyl

Concen: 16.28 ng

RT: 9.33 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

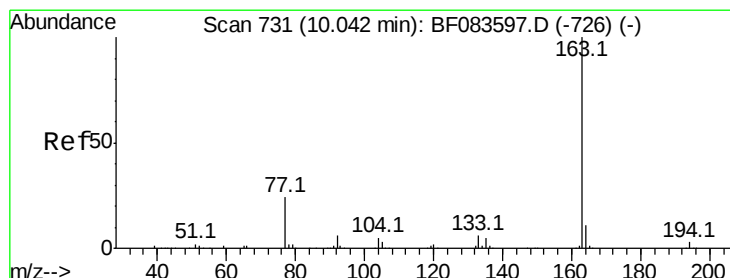
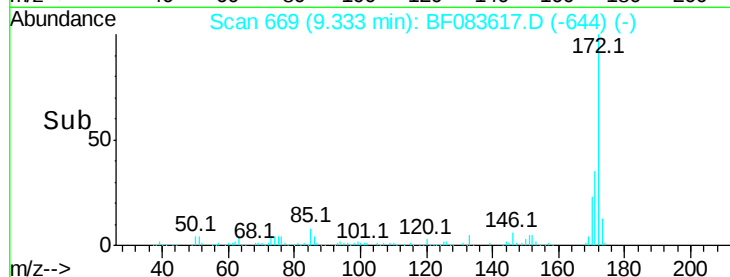
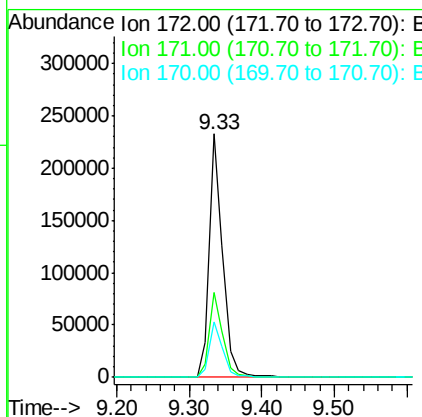
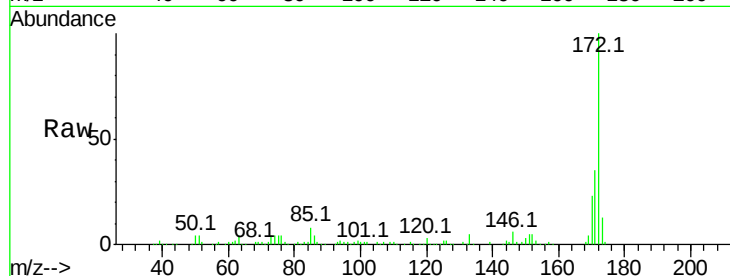
ClientSampleId :

PCPY5

Tot Ion:	172	Resp:	299392
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.6	42.8
170	22.6	19.4	29.0

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#49

Dimethylphthalate

Concen: 3.66 ng

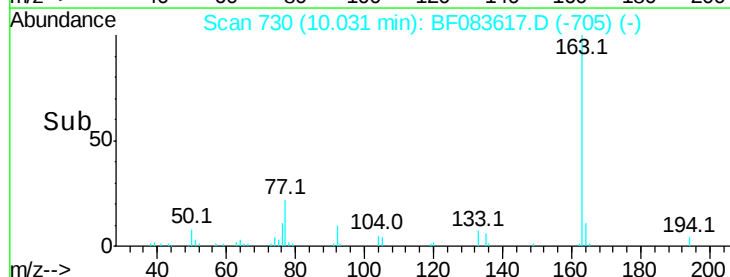
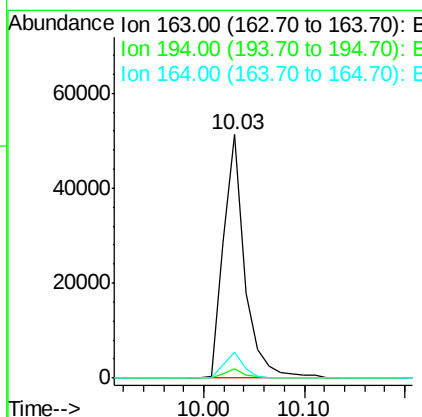
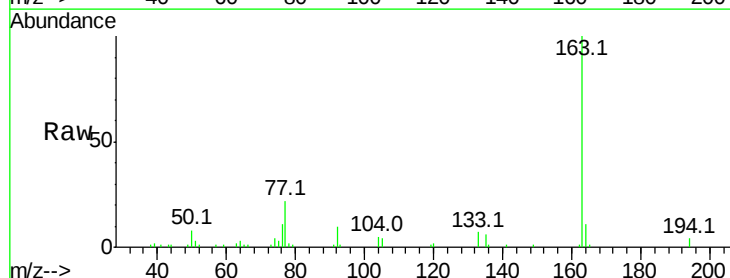
RT: 10.03 min Scan# 730

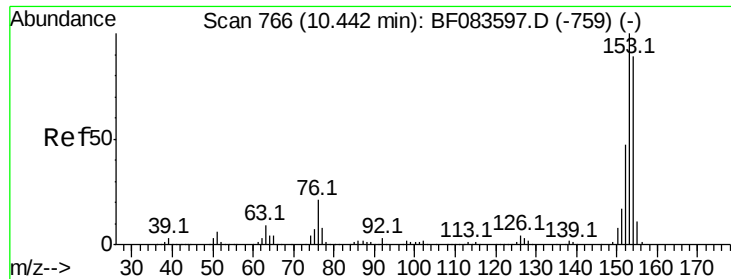
Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Tgt Ion:	163	Resp:	75358
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.8	4.2
164	10.7	8.6	13.0





#51

Acenaphthene

Concen: 2.68 ng

RT: 10.43 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

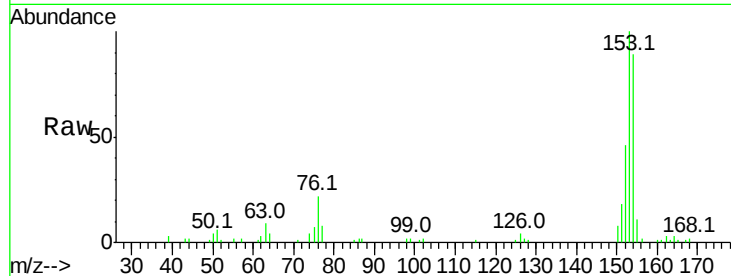
ClientSampleId :

PCPY5

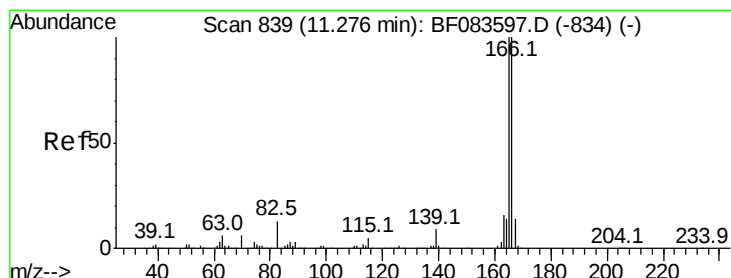
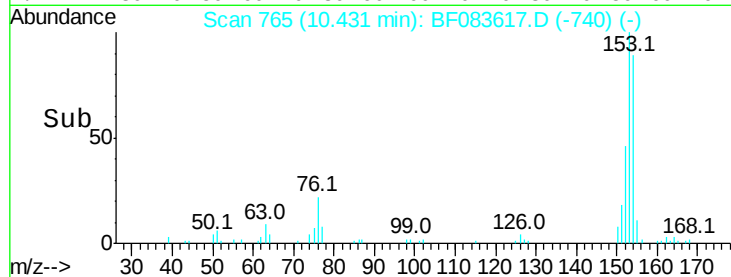
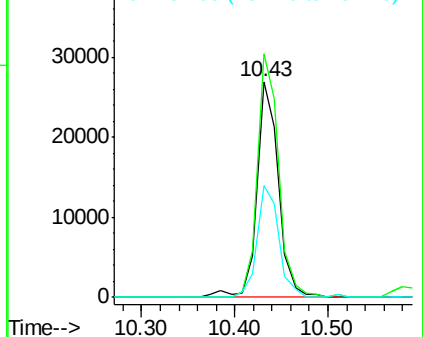
Tot Ion:	154	Resp:	43026
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.4	137.0
152	51.8	43.4	65.2

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



#57

Fluorene

Concen: 2.43 ng

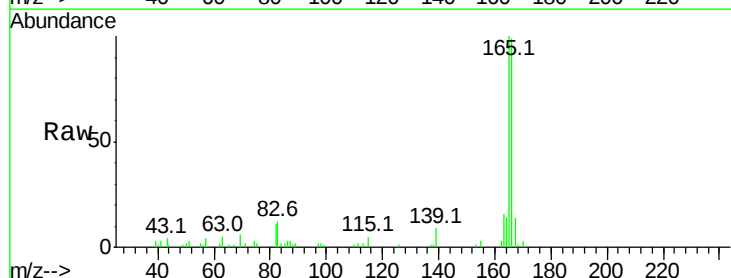
RT: 11.28 min Scan# 839

Delta R.T. 0.00 min

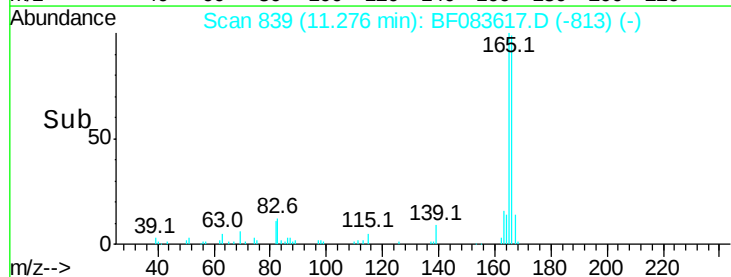
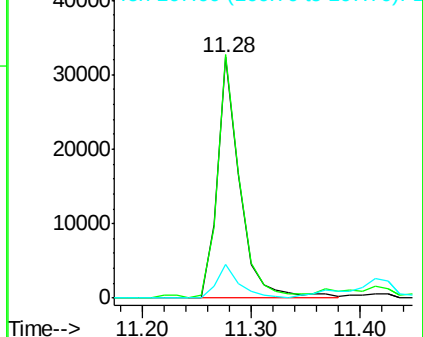
Lab File: BF083617.D

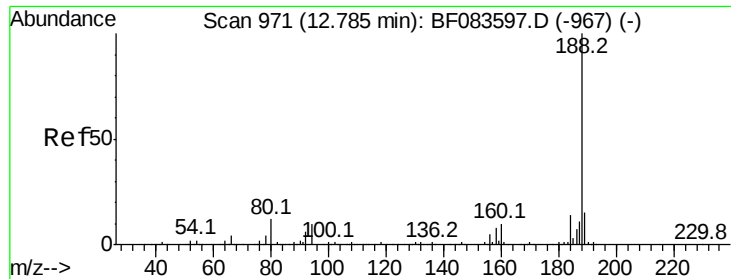
Acq: 9 Dec 2015 2:19

Tgt Ion:	166	Resp:	47199
Ion Ratio	Lower	Upper	
166	100		
165	101.3	80.0	120.0
167	14.0	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





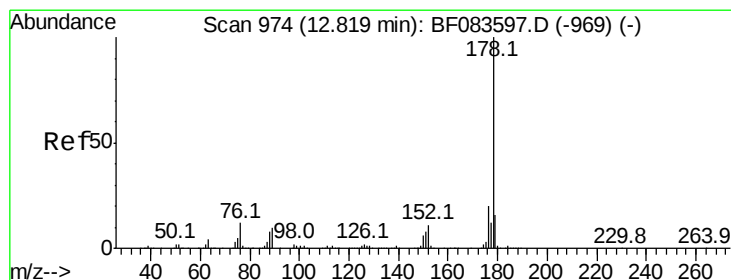
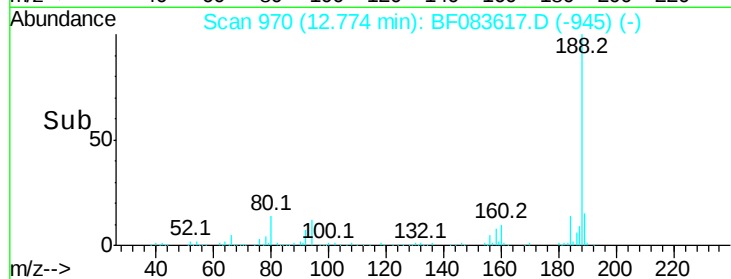
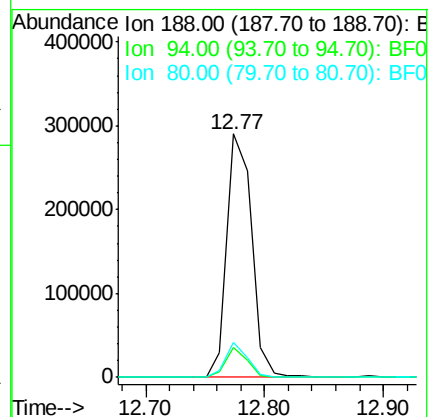
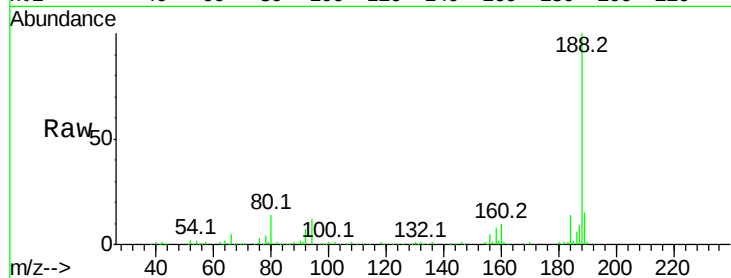
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
PCPY5

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	9.4	14.2
80	14.2	10.6	16.0

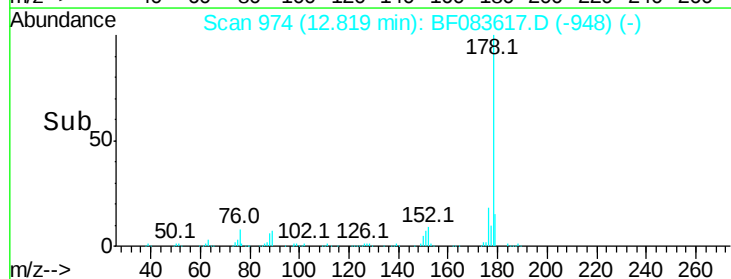
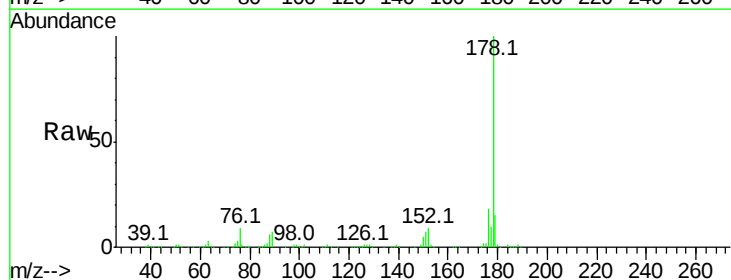
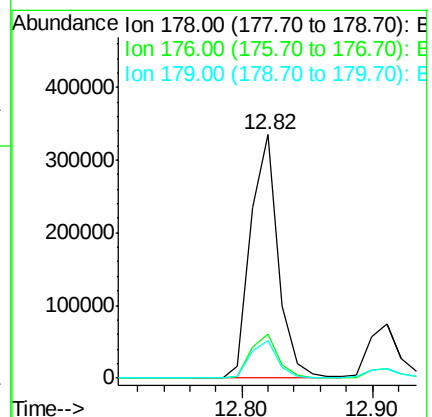
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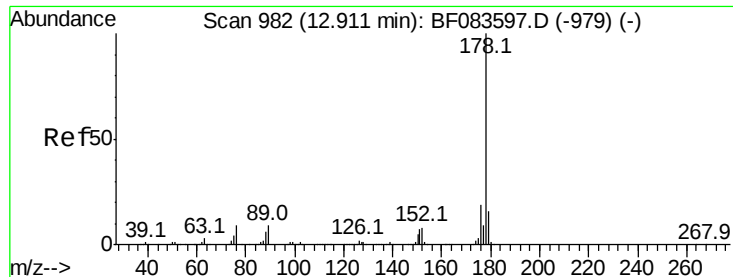
Mmdadoda
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#70
Phenanthrene
Concen: 20.40 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.9	15.7	23.5
179	15.3	12.2	18.4





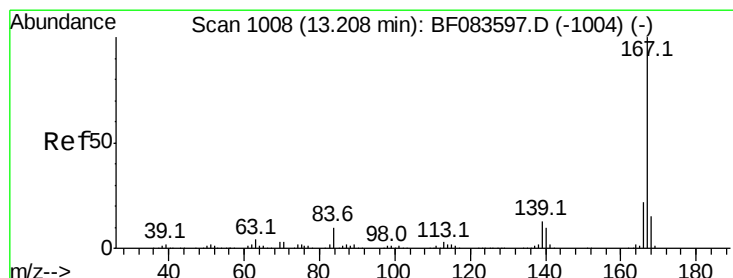
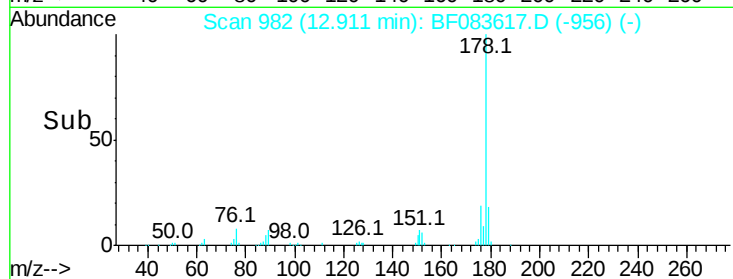
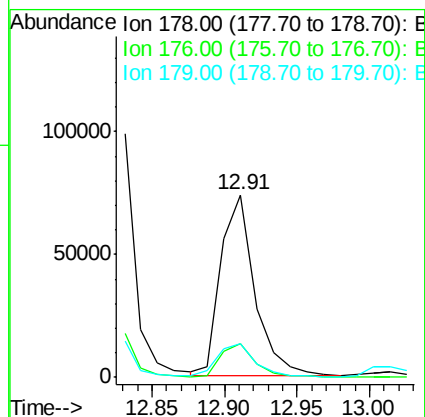
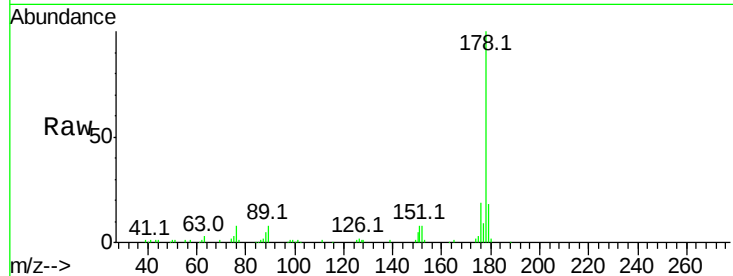
#71
 Anthracene
 Concen: 4.83 ng
 RT: 12.91 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 PCPY5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	18.2	12.6	18.8

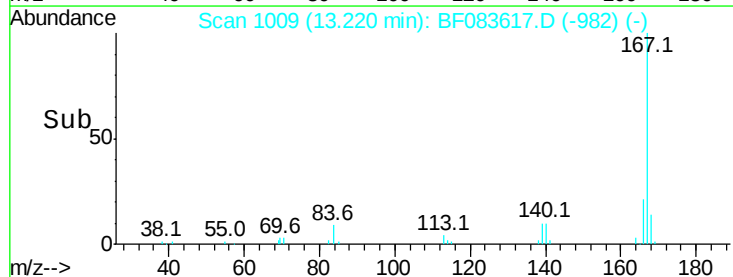
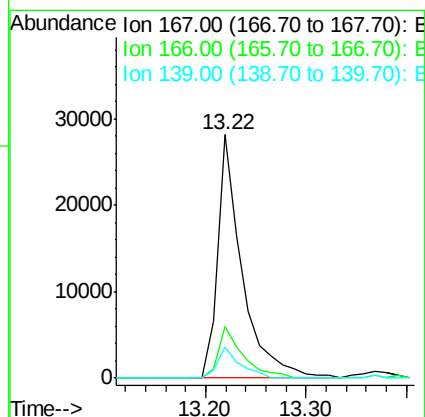
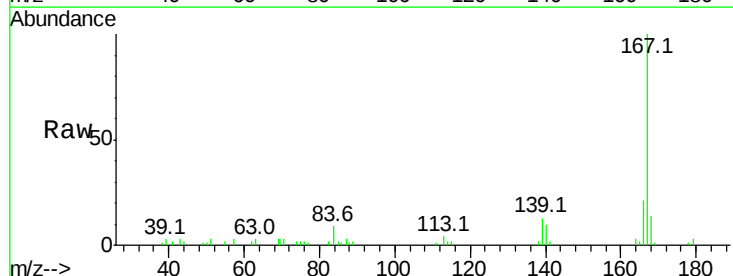
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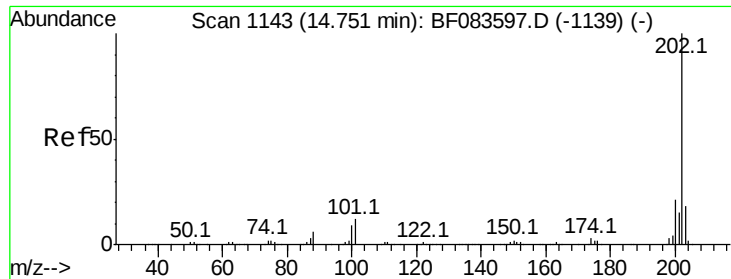
Mmdadoda
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#72
 Carbazole
 Concen: 2.21 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.9	9.3	13.9





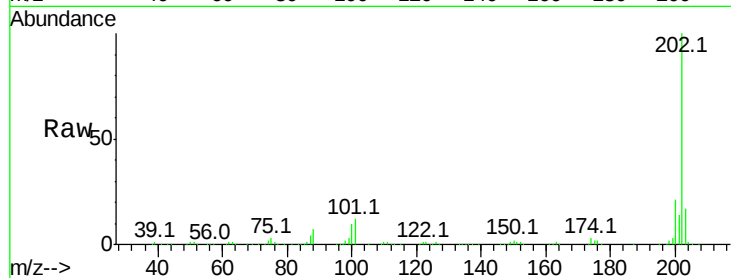
#74
 Fluoranthene
 Concen: 20.80 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 PCPY5

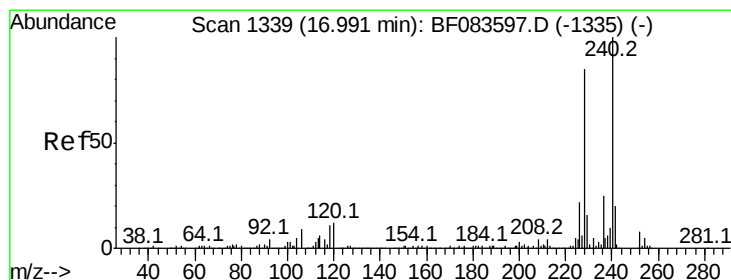
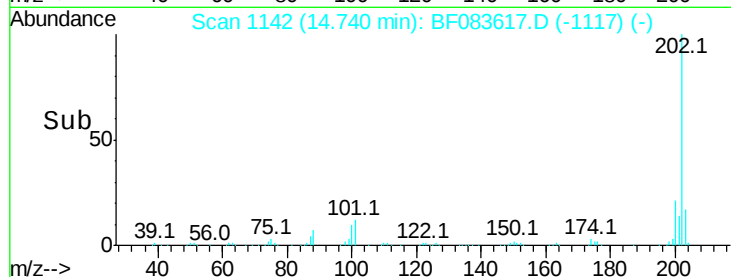
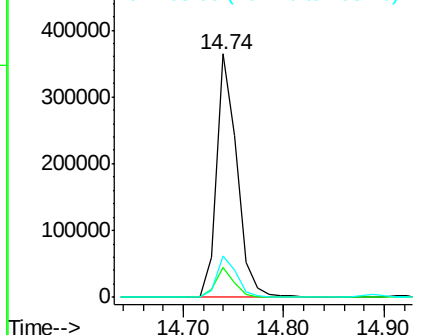
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.1	0.0	37.6

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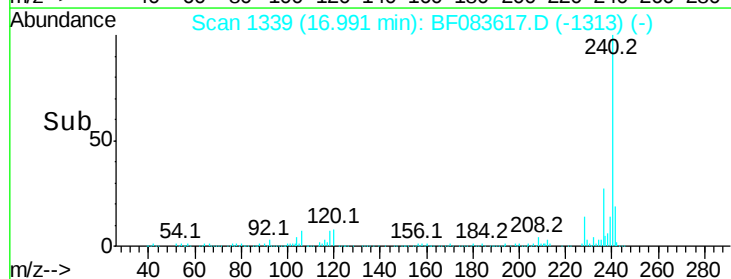
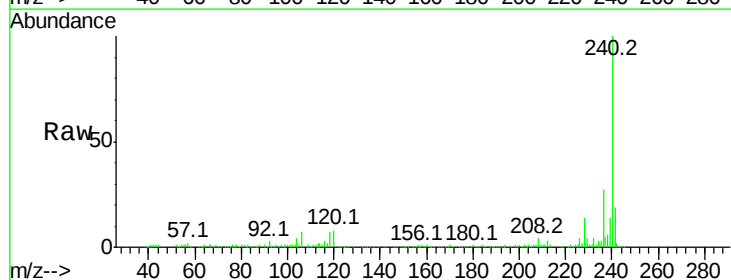
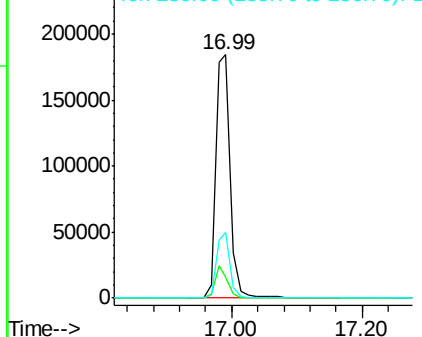
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

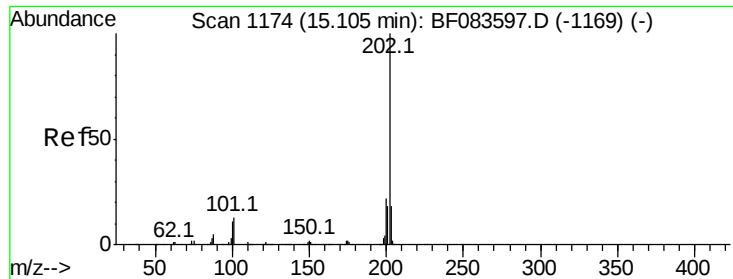


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.99 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.5	8.1	12.1
236	26.9	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: 19.71 ng

RT: 15.09 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

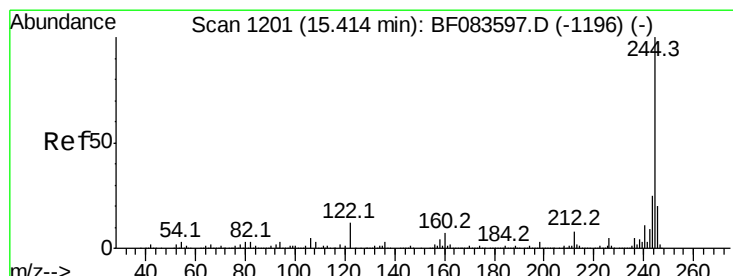
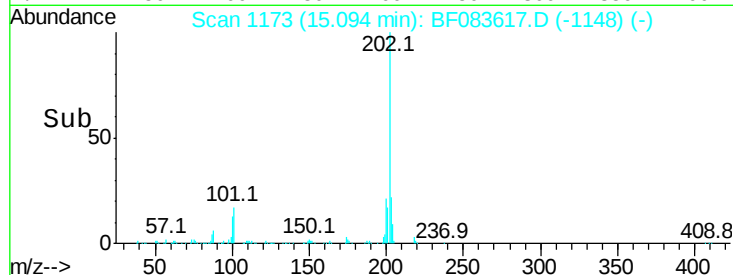
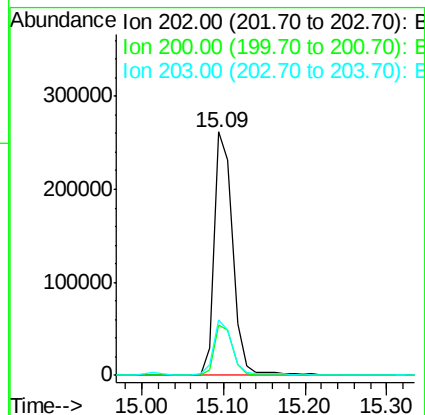
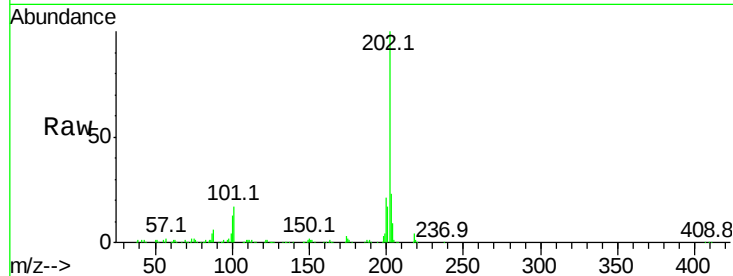
ClientSampleId :

PCPY5

Tot Ion:	202	Resp:	411665
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.7	25.1
203	22.6	14.3	21.5#

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#78

Terphenyl-d14

Concen: 14.72 ng

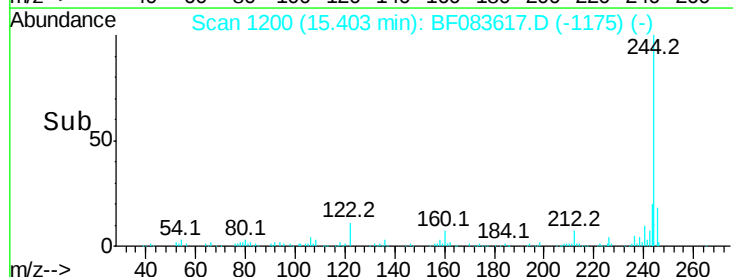
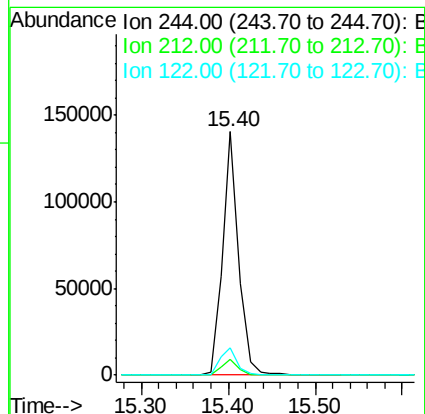
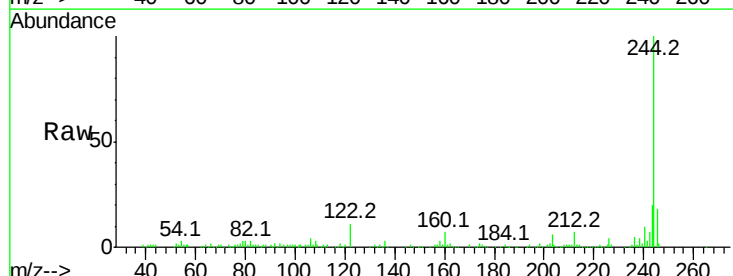
RT: 15.40 min Scan# 1200

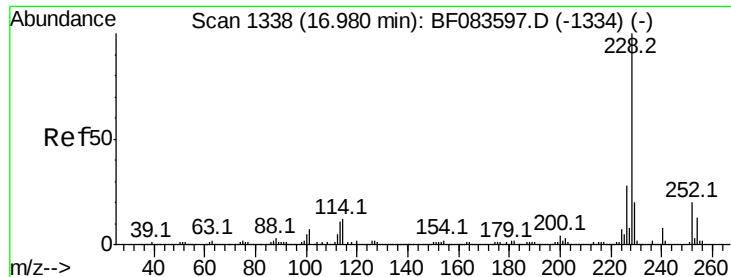
Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Tgt Ion:	244	Resp:	181474
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.1	9.1
122	11.1	11.0	16.6





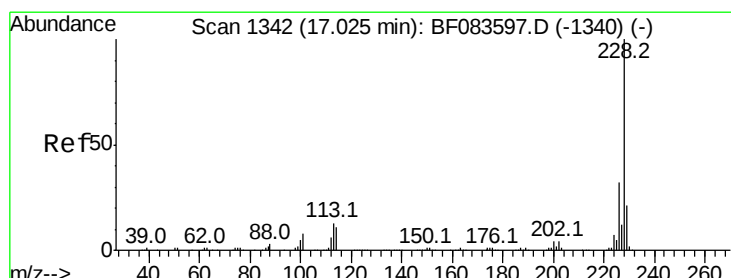
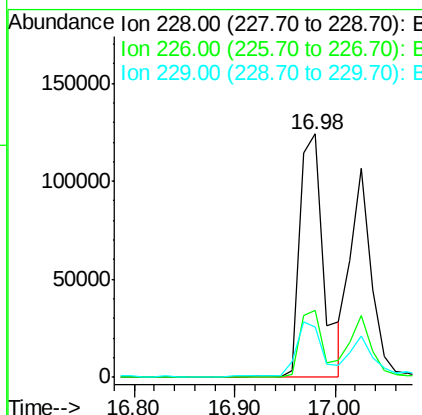
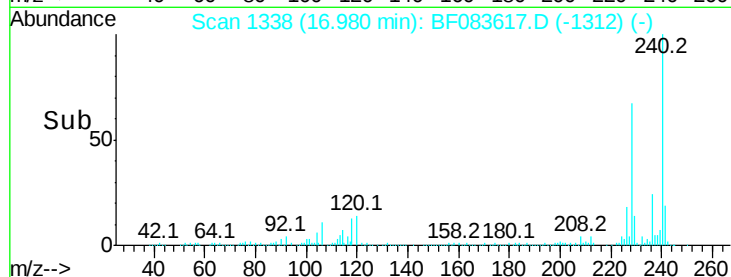
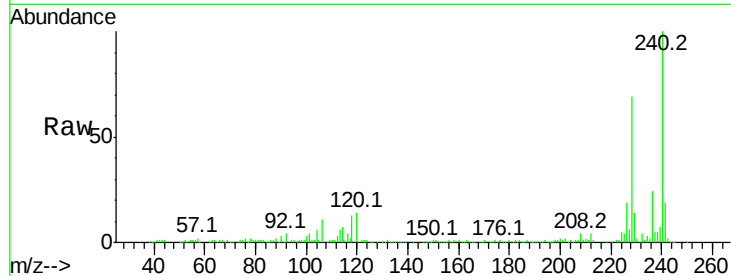
#80
Benzo(a)anthracene
Concen: 12.12 ng
RT: 16.98 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
PCPY5

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.6	15.7	23.5

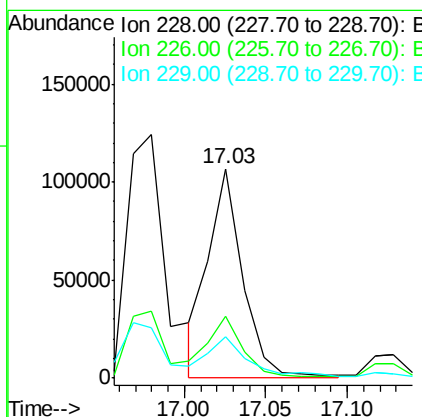
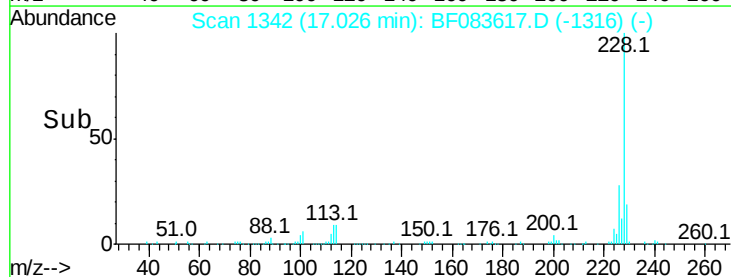
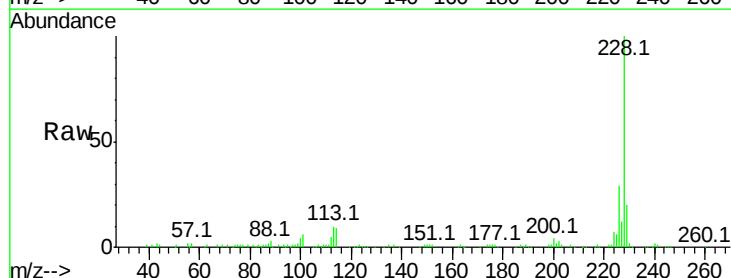
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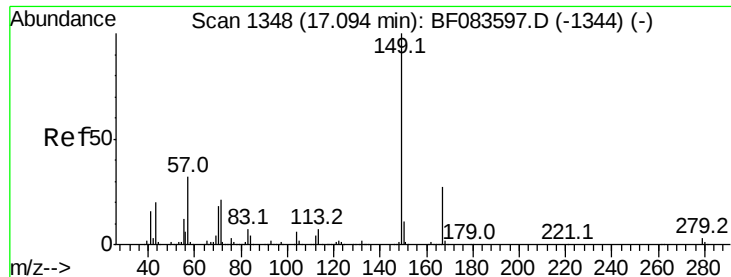
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#82
Chrysene
Concen: 9.14 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.5	24.7	37.1
229	19.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.23 ng

RT: 17.08 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

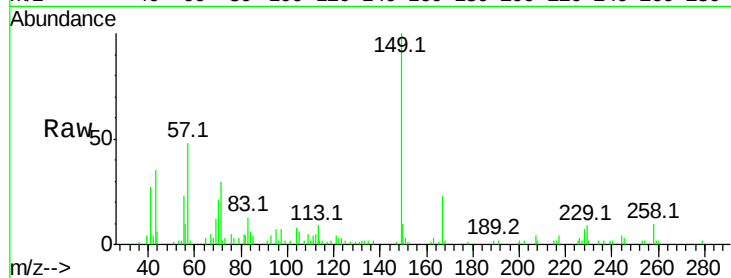
ClientSampleId :

PCPY5

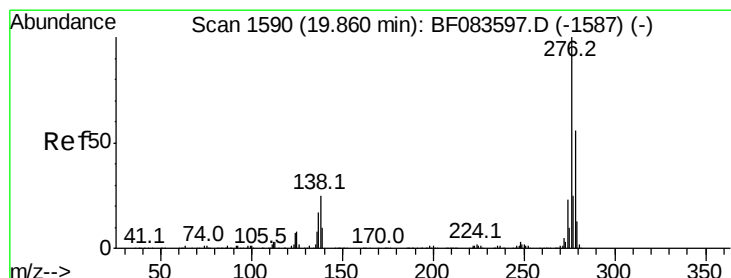
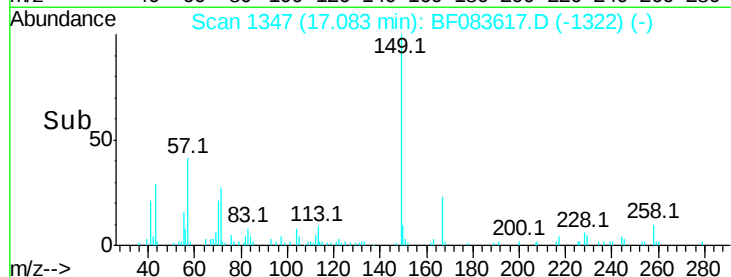
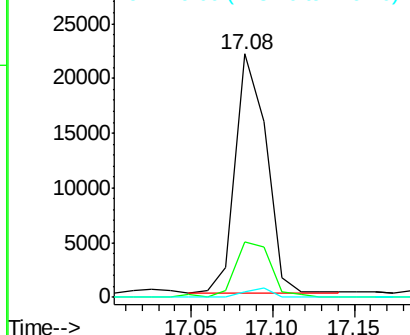
Tot Ion:	149	Resp:	28673
Ion Ratio	Lower	Upper	
149	100		
167	22.8	21.8	32.8
279	2.2	3.0	4.4#

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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: 5.92 ng

RT: 19.88 min Scan# 1592

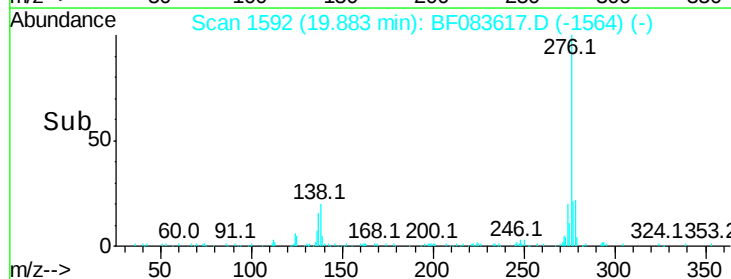
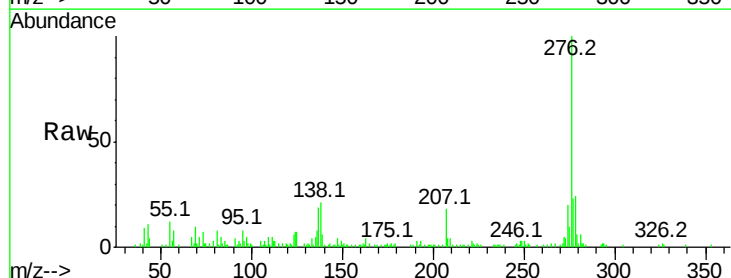
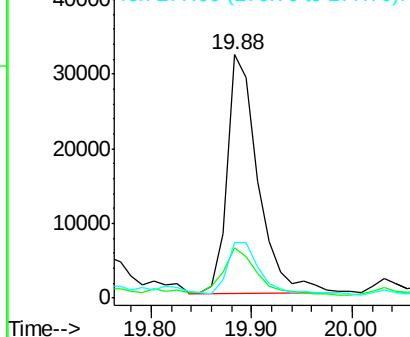
Delta R.T. 0.02 min

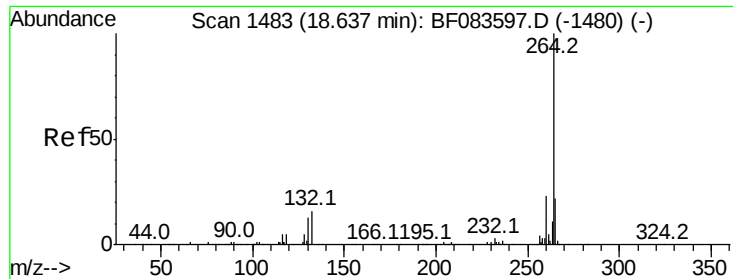
Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Tgt Ion:	276	Resp:	68003
Ion Ratio	Lower	Upper	
276	100		
138	22.5	0.0	0.0#
277	24.1	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





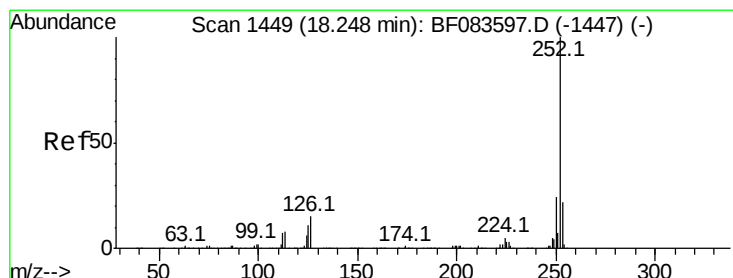
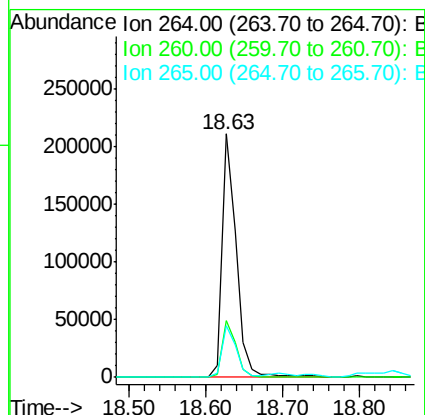
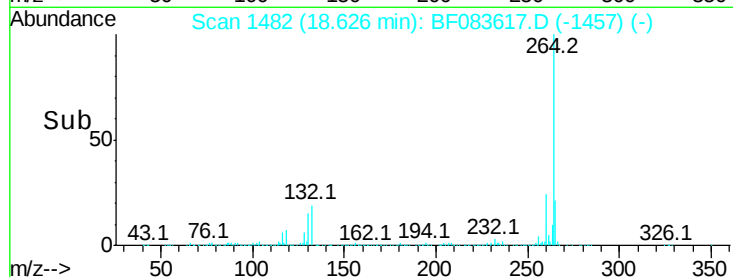
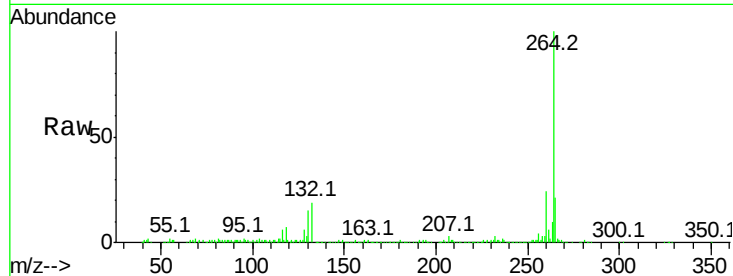
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Instrument :
BNA_F
ClientSampleId :
PCPY5

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	19.4	29.0	
265	21.1	17.8	26.6	

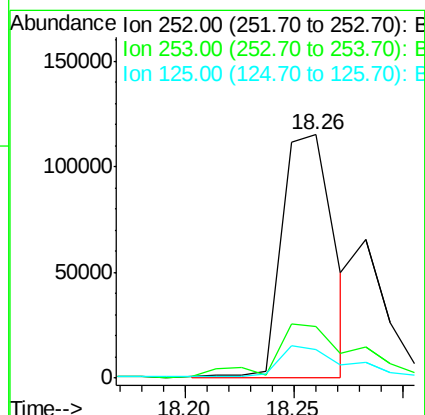
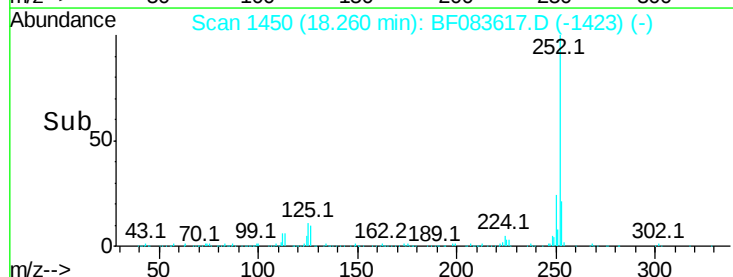
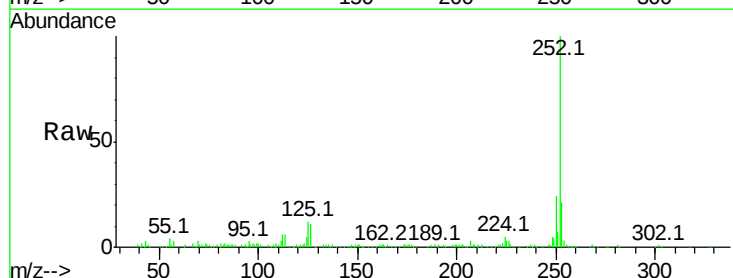
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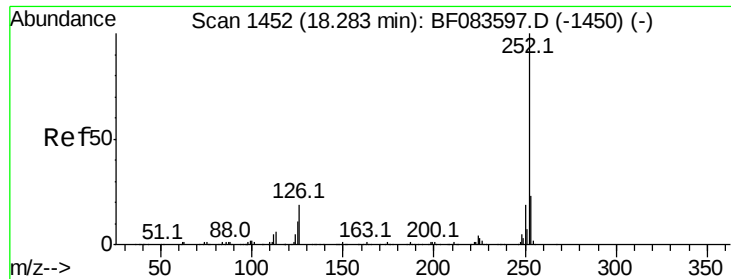
Mmdadoda
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#87
Benzo(b)fluoranthene
Concen: 12.44 ng m
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083617.D
Acq: 9 Dec 2015 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.2	18.2	27.4	
125	11.6	8.2	12.4	





#88

Benzo(k)fluoranthene

Concen: 4.18 ng m

RT: 18.28 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Instrument :

BNA_F

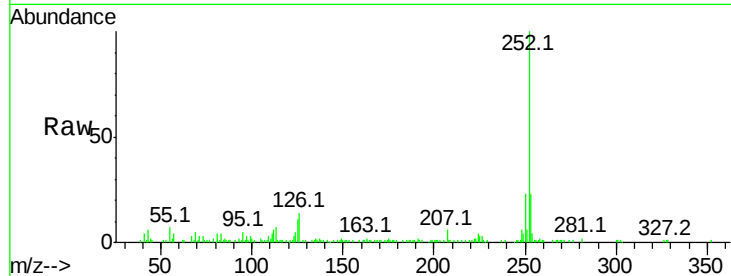
ClientSampleId :

PCPY5

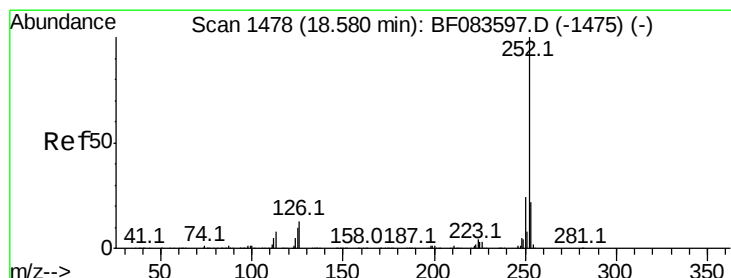
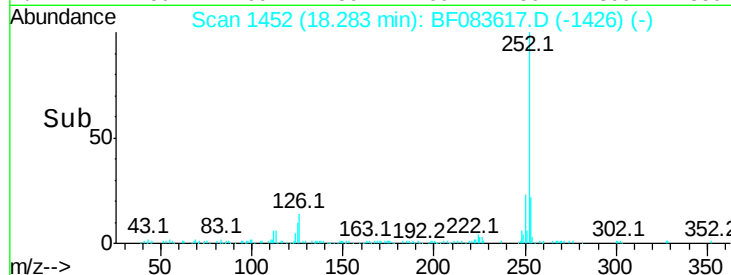
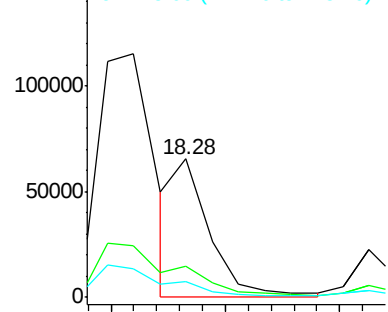
Tot Ion:	252	Resp:	71833
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.6	27.8
125	11.3	11.5	17.3#

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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: 8.77 ng

RT: 18.58 min Scan# 1478

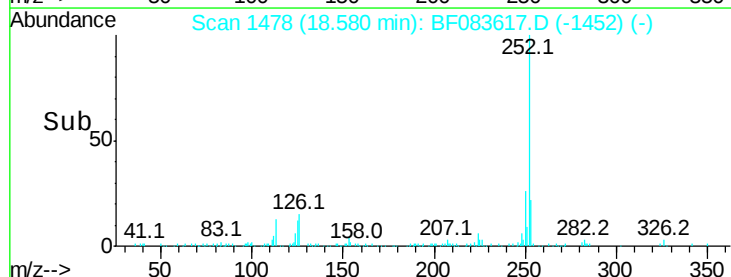
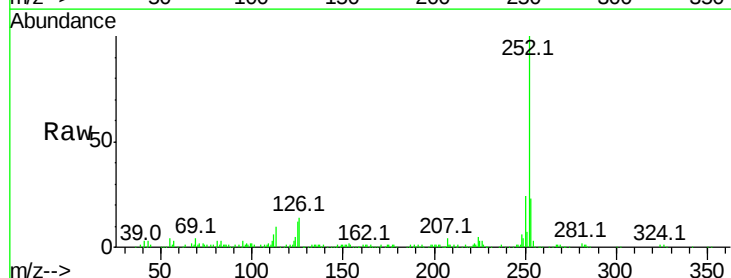
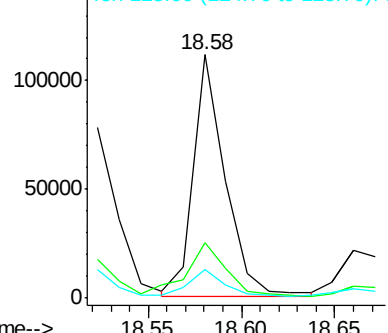
Delta R.T. 0.00 min

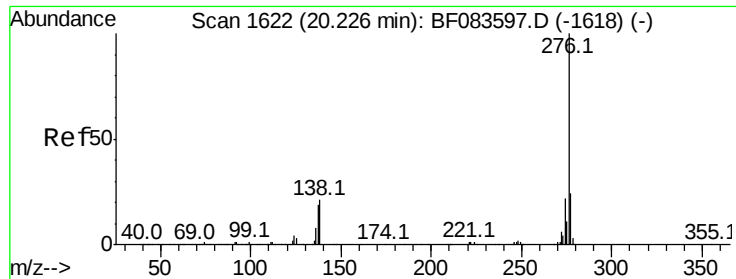
Lab File: BF083617.D

Acq: 9 Dec 2015 2:19

Tgt Ion:	252	Resp:	133469
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	11.5	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





#91
 Benzo(a,h,i)perylene
 Concen: 5.62 ng
 RT: 20.25 min Scan# 1624
 Delta R.T. 0.02 min
 Lab File: BF083617.D
 Acq: 9 Dec 2015 2:19

Instrument :
 BNA_F
 ClientSampleId :
 PCPY5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.2	28.8
138	20.7	19.5	29.3

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