

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086207.D
 Acq On : 9 Apr 2016 9:30
 Operator : UM/SJ
 Sample : H2310-06DL 150X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0DL

Manual Integrations
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 4/11/2016 5:45:34 PM

Quant Time: Apr 11 17:18:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	101457	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	390356	20.00	ng	-0.06
38) Acenaphthene-d10	9.77	164	158514	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	259715	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	224368	20.00	ng	-0.05
86) Perylene-d12	15.28	264	178075	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1879	0.32	ng	0.03
7) Phenol-d6	6.43	99	5052	0.67	ng	0.01
23) Nitrobenzene-d5	7.33	82	2483	0.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	374	0.25	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	5728	0.60	ng	-0.05
78) Terphenyl-d14	12.83	244	3474	0.36	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.03	128	50613	2.58	ng	99
51) Acenaphthene	9.79	154	43866	4.65	ng	99
54) Dibenzofuran	9.97	168	42675	3.42	ng	98
57) Fluorene	10.30	166	38087	3.58	ng	98
70) Phenanthrene	11.26	178	425602	30.04	ng	99
71) Anthracene	11.32	178	133031	8.96	ng	97
72) Carbazole	11.48	167	30690	2.41	ng	98
74) Fluoranthene	12.45	202	368410	25.00	ng	96
77) Pyrene	12.68	202	330676	20.91	ng	100
80) Benzo(a)anthracene	13.87	228	145935	11.03	ng	99
82) Chrysene	13.91	228	90906	7.14	ng	98
85) Indeno(1,2,3-cd)pyrene	16.61	276	37655m	3.64	ng	
87) Benzo(b)fluoranthene	14.89	252	105199m	9.39	ng	
88) Benzo(k)fluoranthene	14.90	252	40779m	4.11	ng	
89) Benzo(a)pyrene	15.22	252	82157	8.28	ng	98
91) Benzo(g,h,i)perylene	17.01	276	38599	4.99	ng	97

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

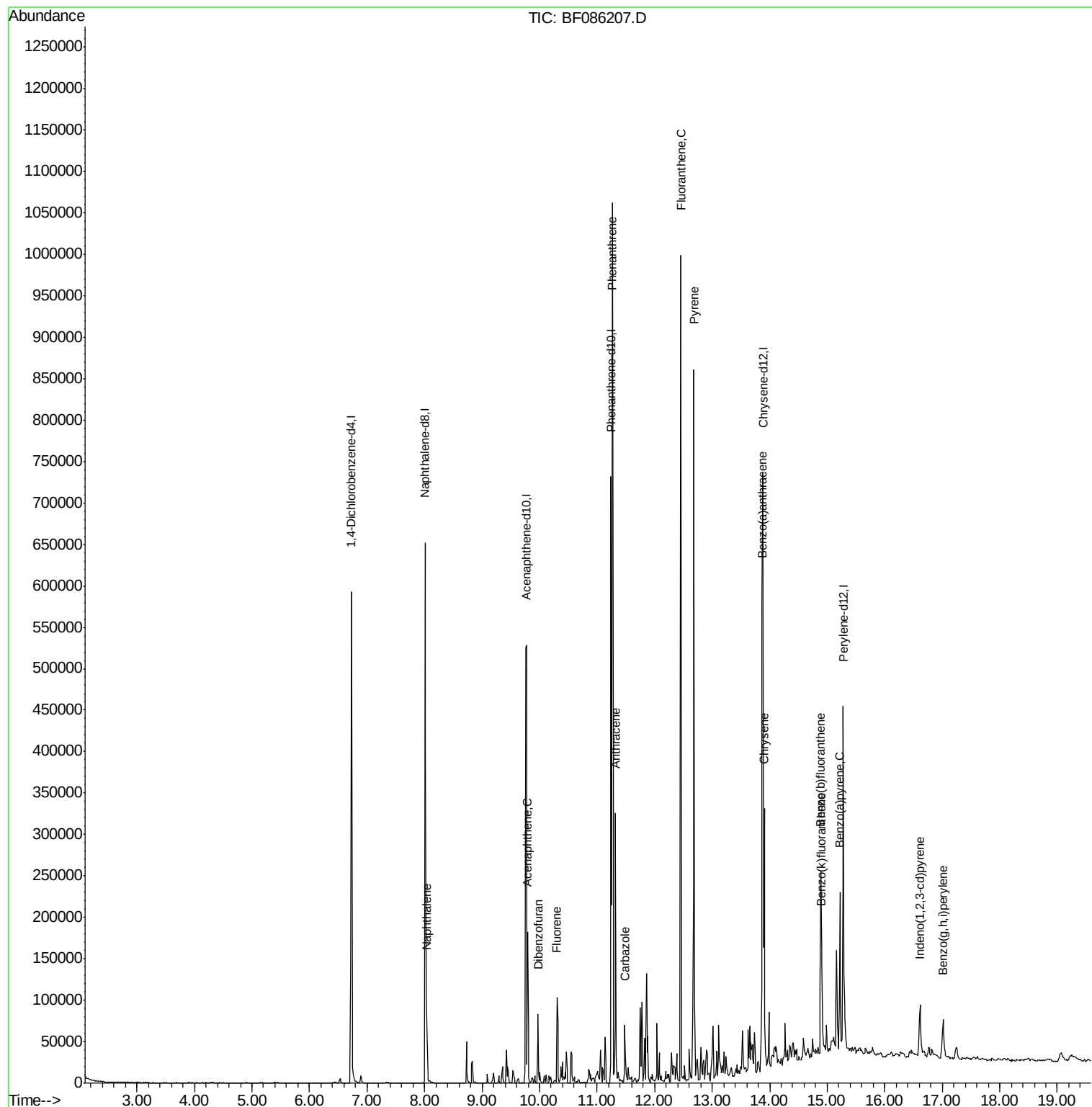
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
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ALS Vial : 46 Sample Multiplier: 1

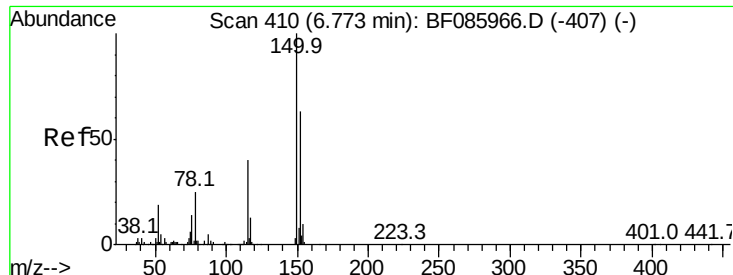
Instrument :
BNA_F
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PEDBR-SB4-0-6.0DL

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Instrument :

BNA_F

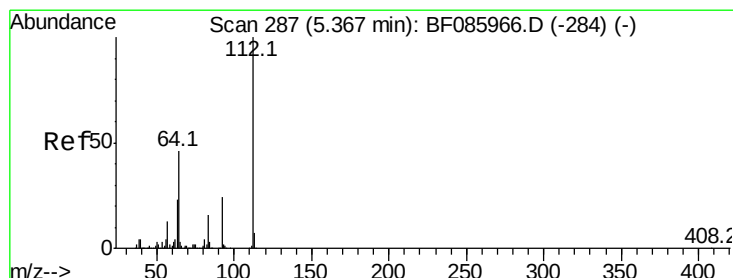
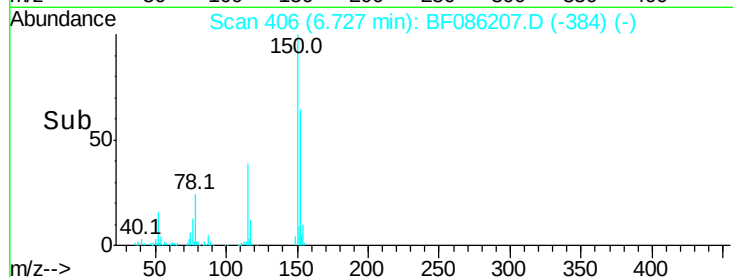
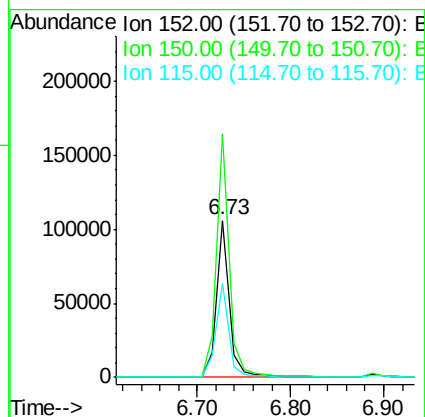
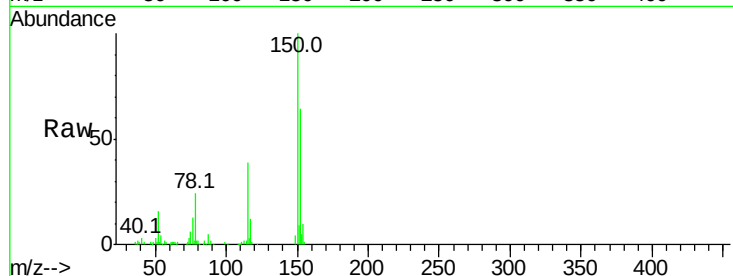
ClientSampleId :

PEDBR-SB4-0-6.0DL

Tot Ion:	152	Resp:	101457
Ion Ratio	Lower	Upper	
152	100		
150	155.4	124.2	186.2
115	59.9	47.0	70.6

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#5

2-Fluorophenol

Concen: 0.32 ng

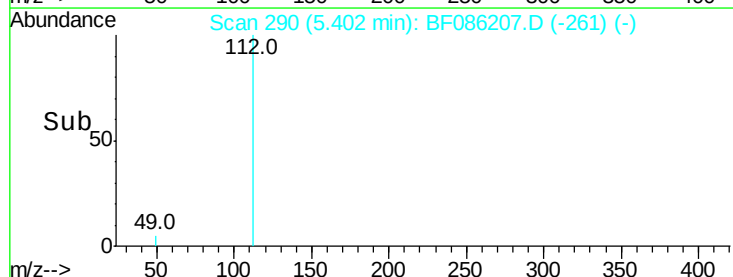
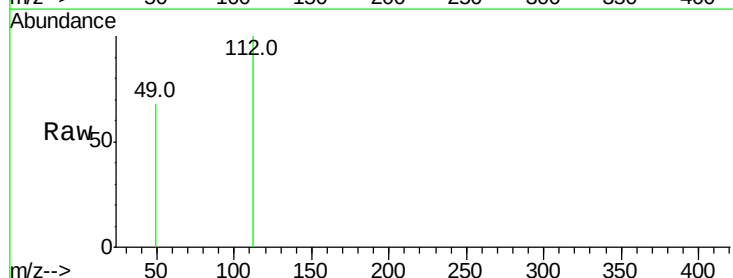
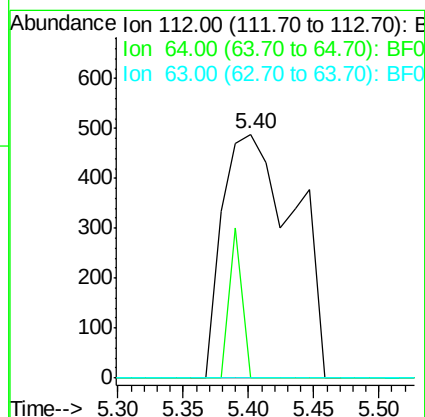
RT: 5.40 min Scan# 290

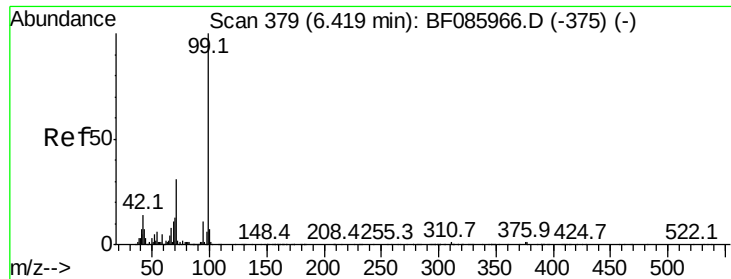
Delta R.T. 0.03 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Tgt Ion:	112	Resp:	1879
Ion Ratio	Lower	Upper	
112	100		
64	0.0	39.9	59.9#
63	0.0	20.2	30.2#





#7

Phenol-d6

Concen: 0.67 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Instrument :

BNA_F

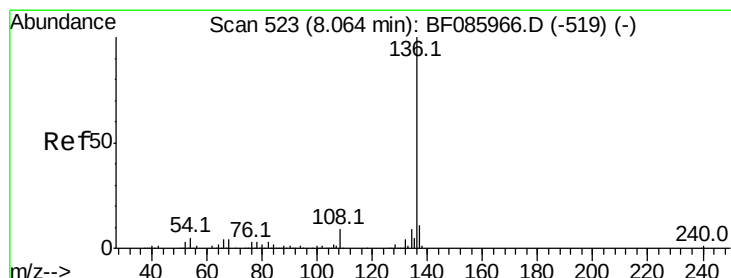
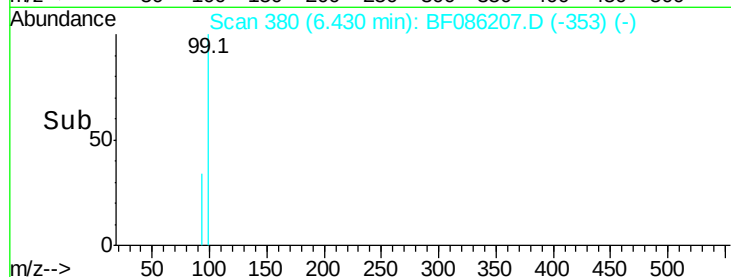
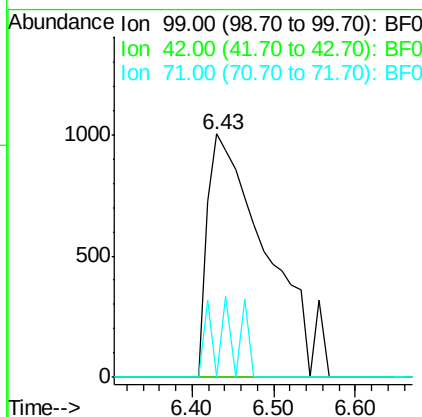
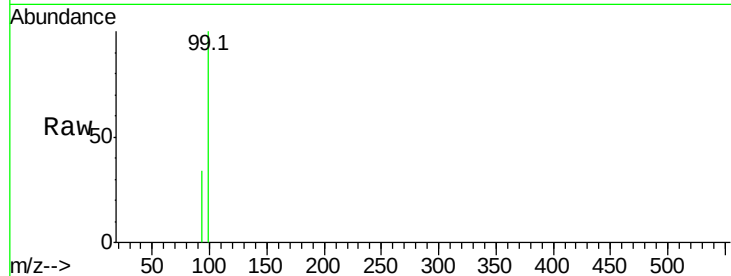
ClientSampleId :

PEDBR-SB4-0-6.0DL

Tot Ion:	99	Resp:	5052
Ion Ratio	Lower	Upper	
99	100		
42	0.0	11.1	16.7#
71	0.0	24.9	37.3#

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#21

Naphthalene-d8

Concen: 20.00 ng

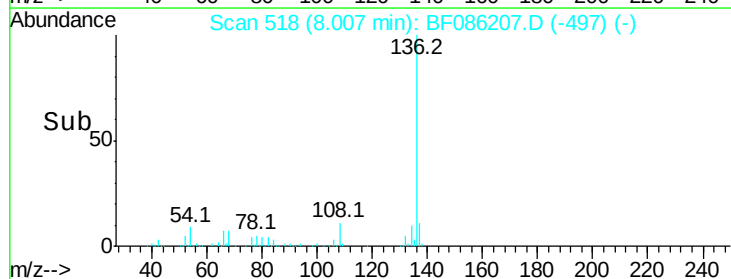
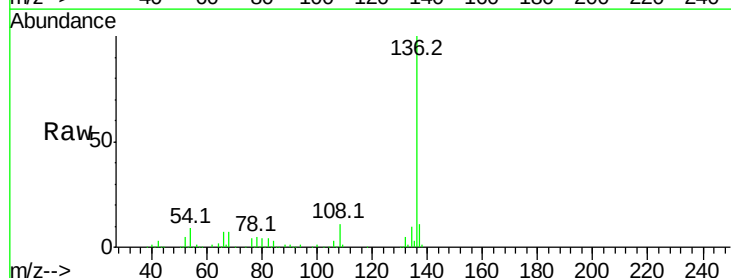
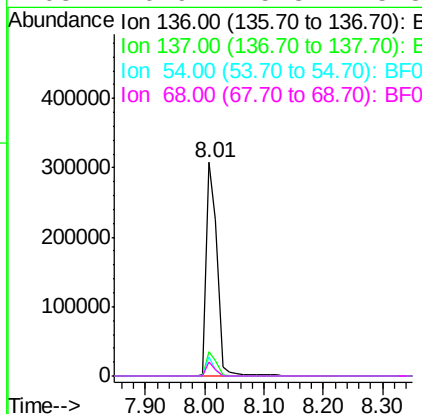
RT: 8.01 min Scan# 518

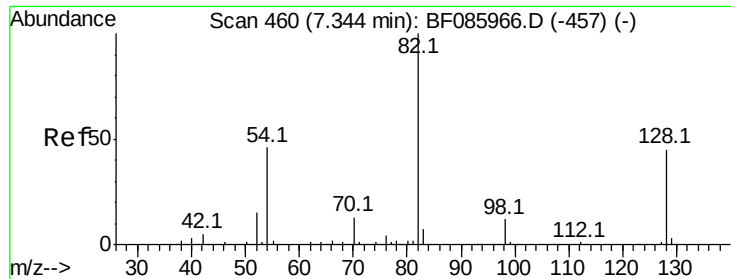
Delta R.T. -0.06 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Tgt Ion:	136	Resp:	390356
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.2	7.4	11.0
68	6.9	5.8	8.8





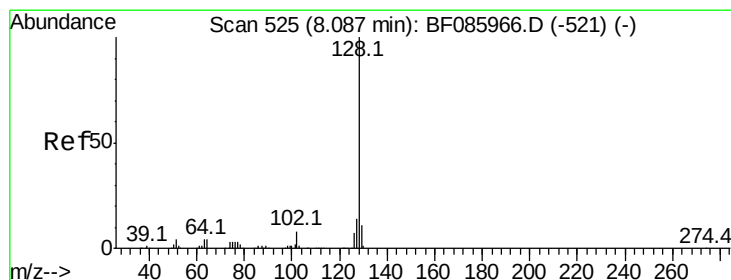
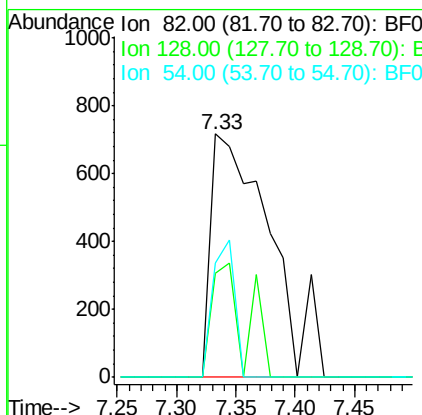
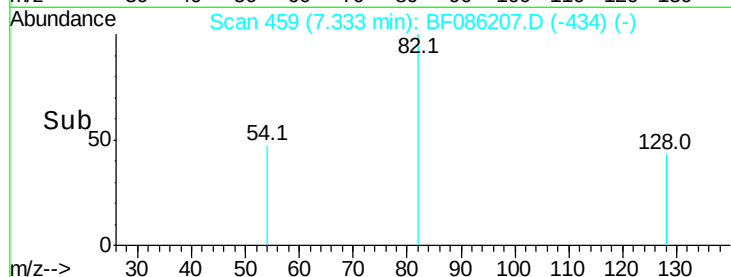
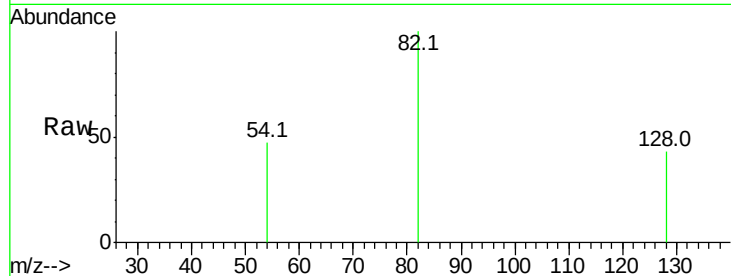
#23
 Nitrobenzene-d5
 Concen: 0.38 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0DL

Tot Ion:	82	Resp:	2483
Ion Ratio	Lower	Upper	
82	100		
128	42.8	41.8	62.8
54	46.9	33.4	50.0

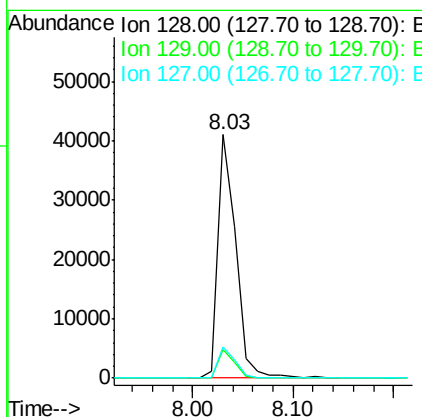
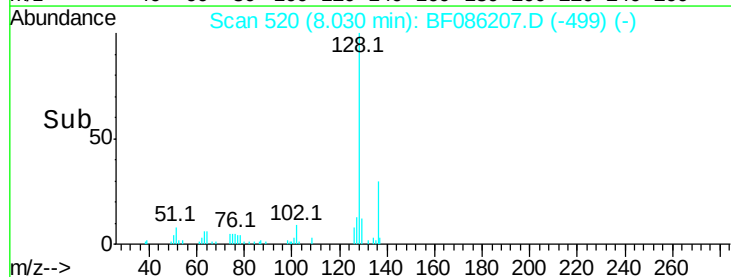
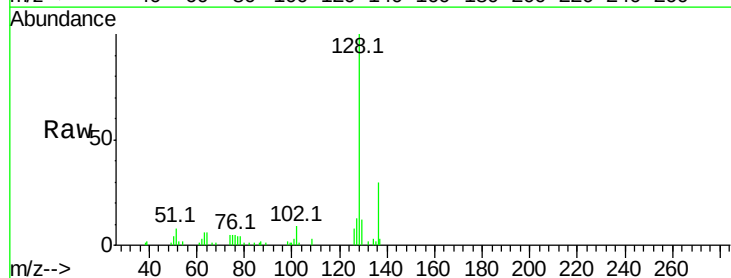
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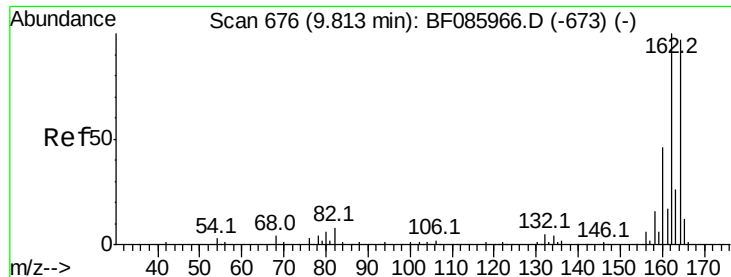
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#31
 Naphthalene
 Concen: 2.58 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.06 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Tgt Ion:	128	Resp:	50613
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.4	14.0
127	12.8	11.0	16.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Instrument :

BNA_F

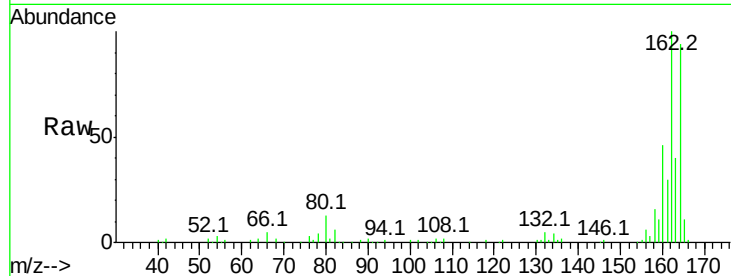
ClientSampleId :

PEDBR-SB4-0-6.0DL

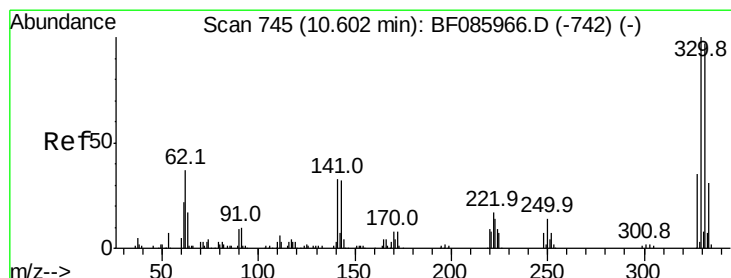
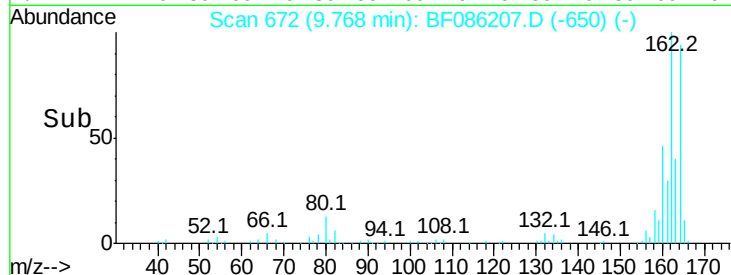
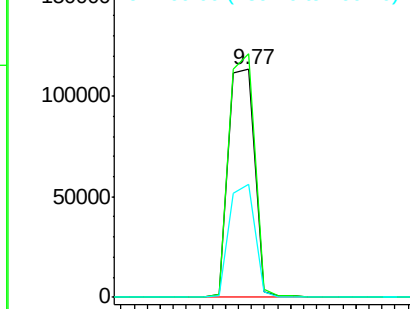
Tot Ion:	164	Resp:	158514
Ion Ratio	Lower	Upper	
164	100		
162	106.8	82.1	123.1
160	49.6	37.4	56.2

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.25 ng

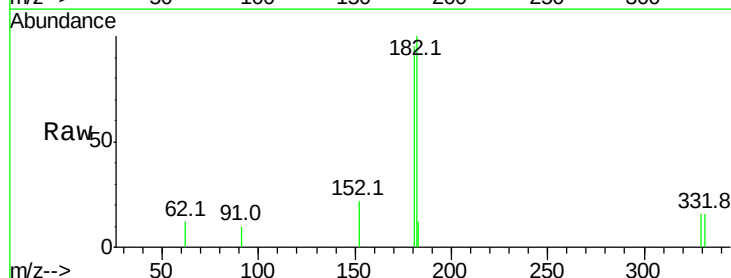
RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

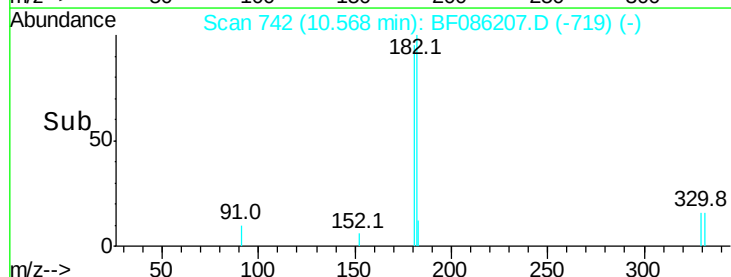
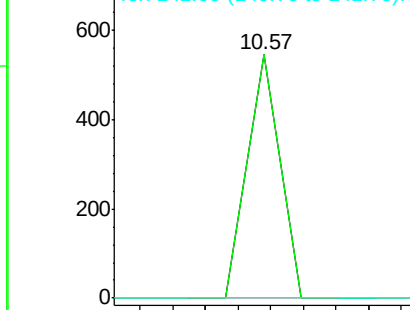
Lab File: BF086207.D

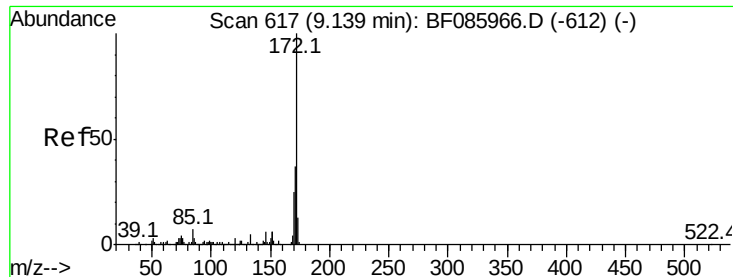
Acq: 9 Apr 2016 9:30

Tgt Ion:	330	Resp:	374
Ion Ratio	Lower	Upper	
330	100		
332	100.0	78.2	117.2
141	0.0	31.5	47.3#



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





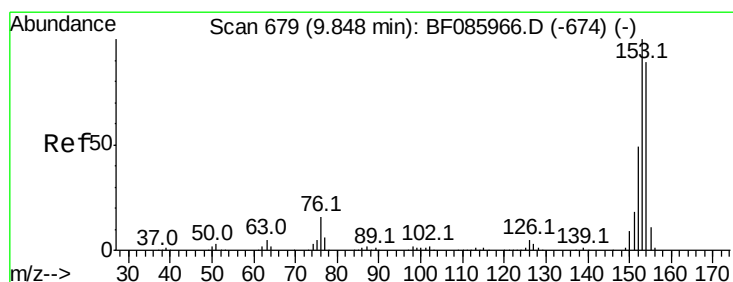
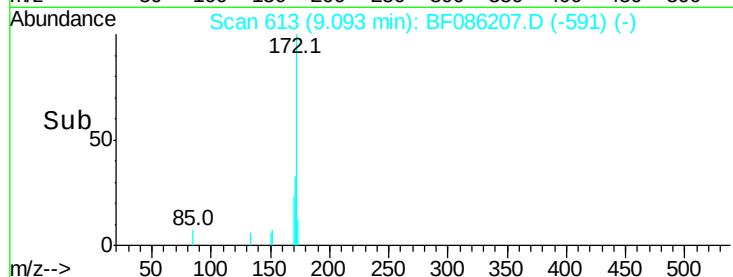
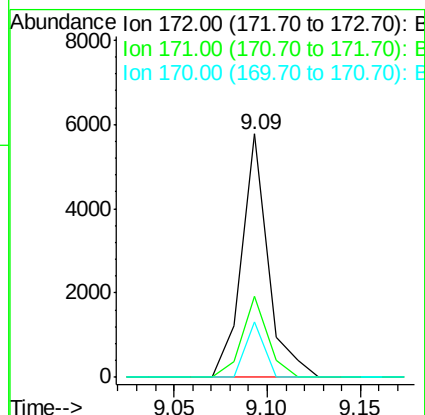
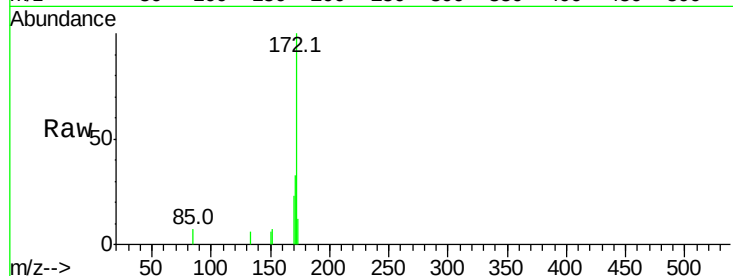
#44
2-Fluorobiphenyl
Concen: 0.60 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion:	172	Resp:	5728
Ion Ratio	Lower	Upper	
172	100		
171	33.1	29.4	44.2
170	22.7	19.8	29.6

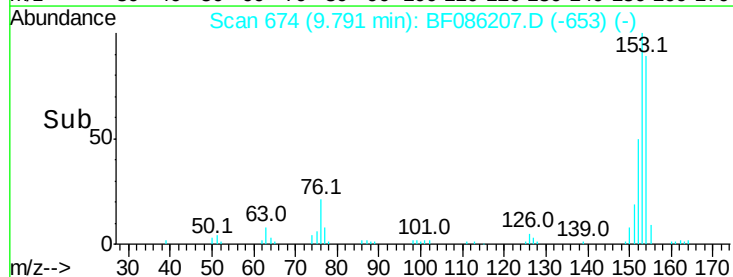
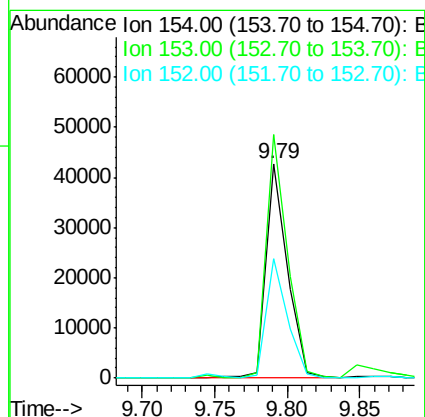
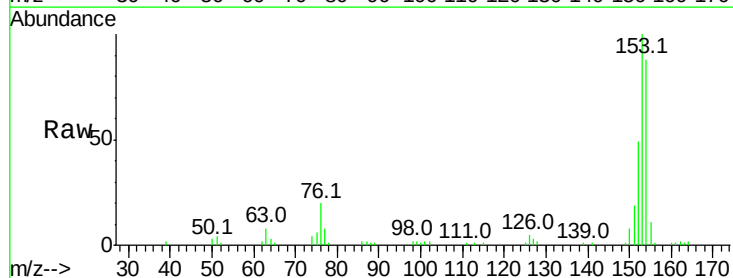
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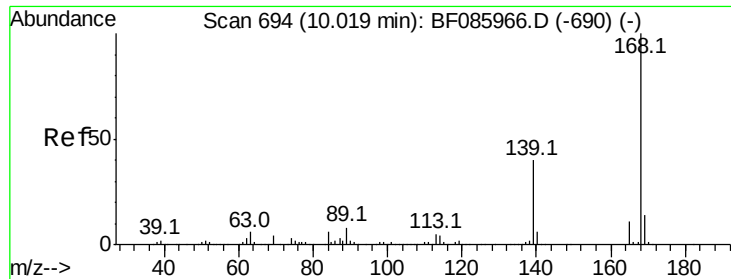
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#51
Acenaphthene
Concen: 4.65 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion:	154	Resp:	43866
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.1	135.1
152	55.8	44.2	66.2





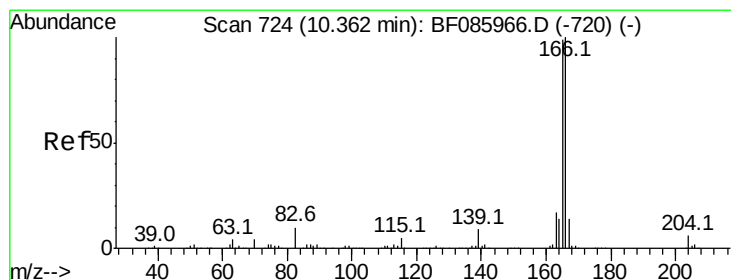
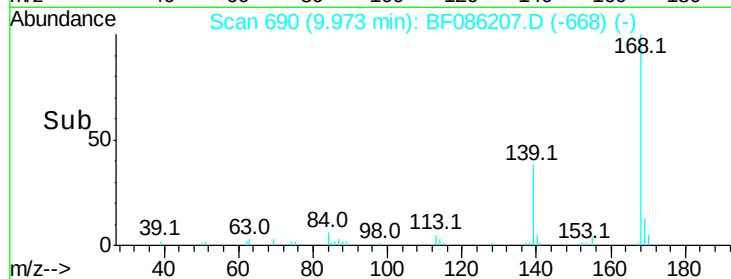
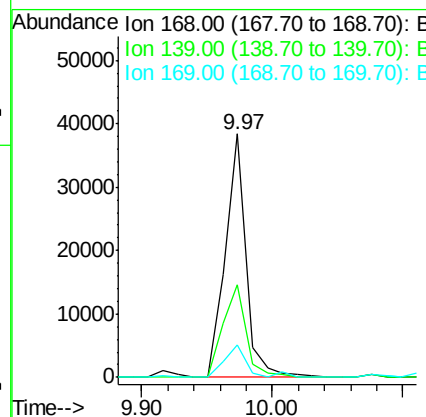
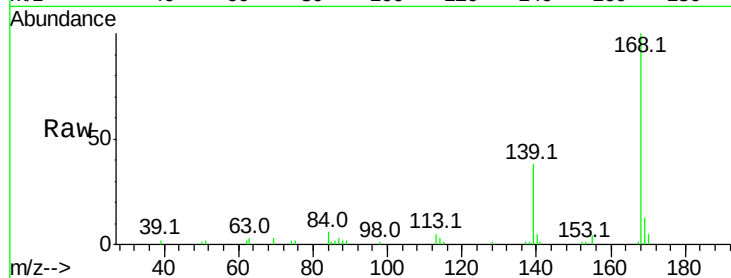
#54
Dibenzofuran
Concen: 3.42 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.9	47.9
169	13.5	11.0	16.6

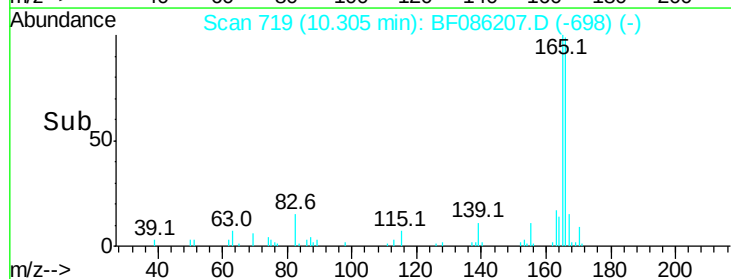
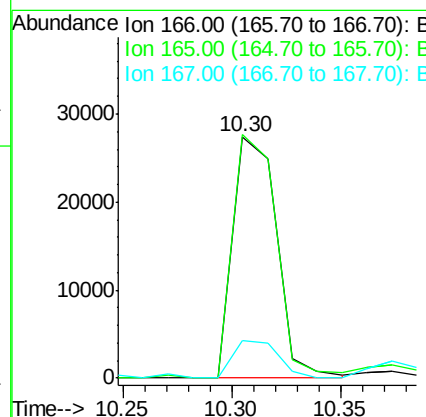
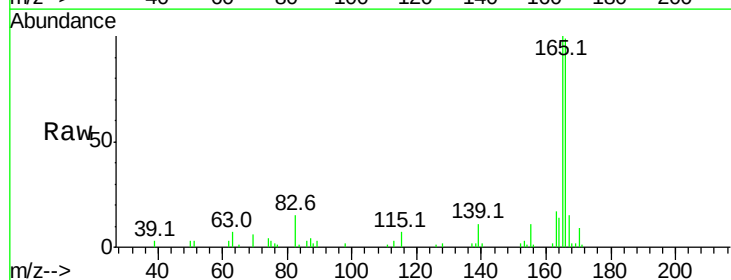
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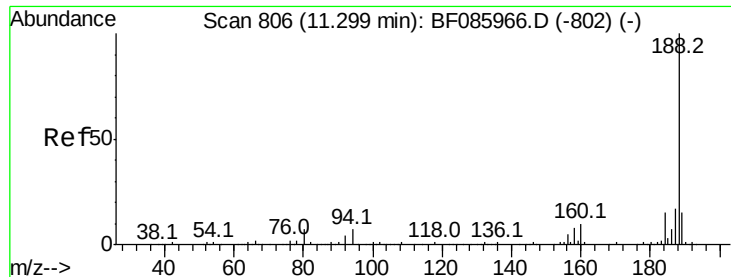
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#57
Fluorene
Concen: 3.58 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.06 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.4	119.0
167	15.5	11.0	16.4





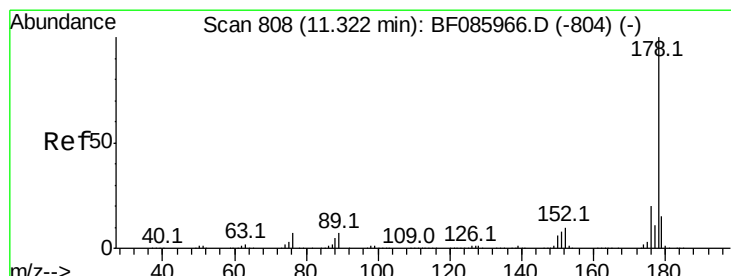
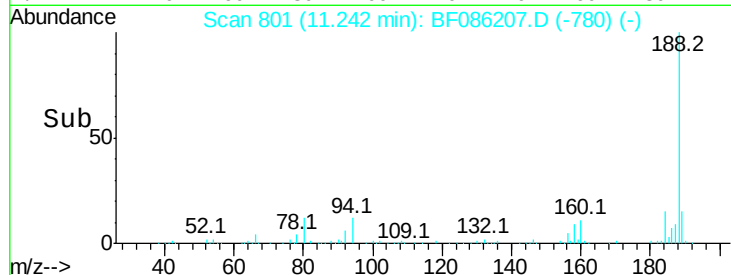
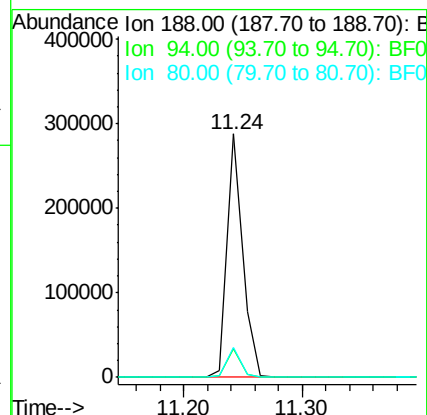
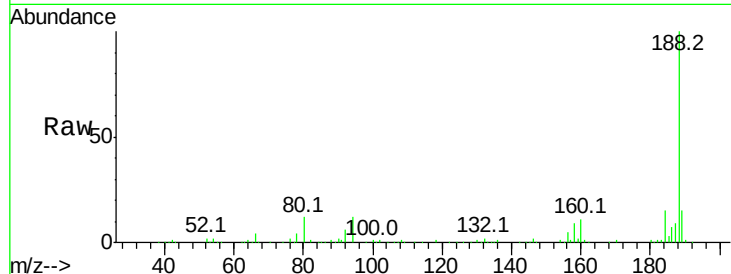
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	5.4	8.0#
80	12.2	5.5	8.3#

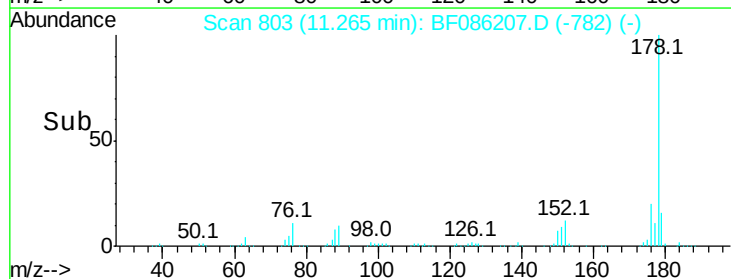
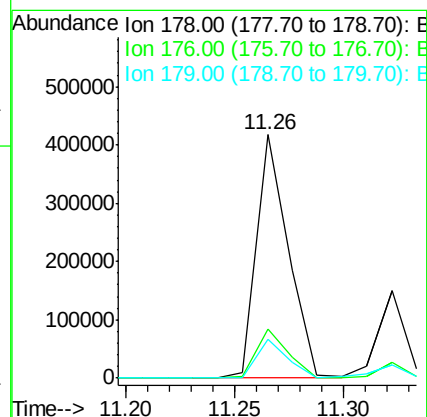
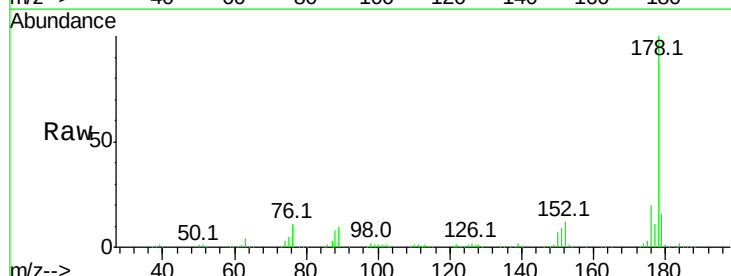
Manual Integrations
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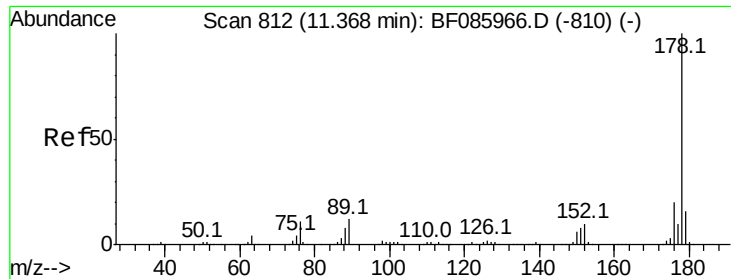
Sohil
 4/11/2016 5:45:34 PM



#70
 Phenanthrene
 Concen: 30.04 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.3	24.5
179	16.0	12.6	18.8





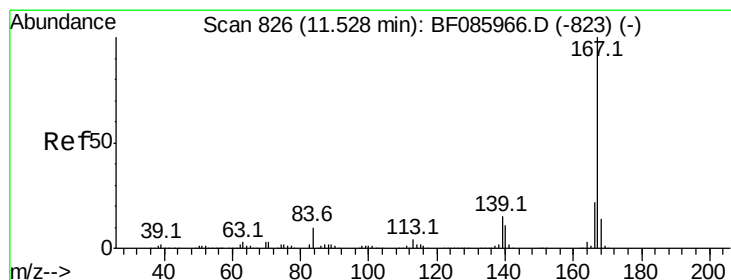
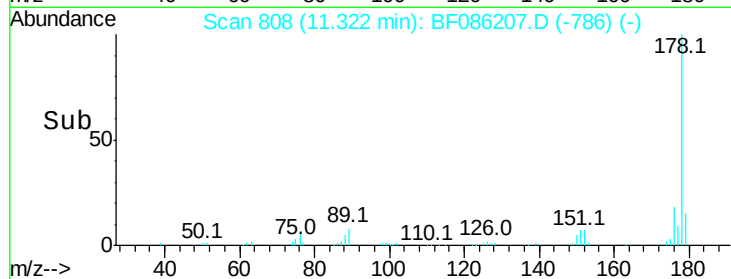
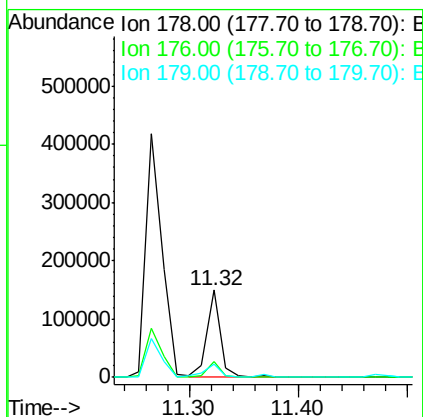
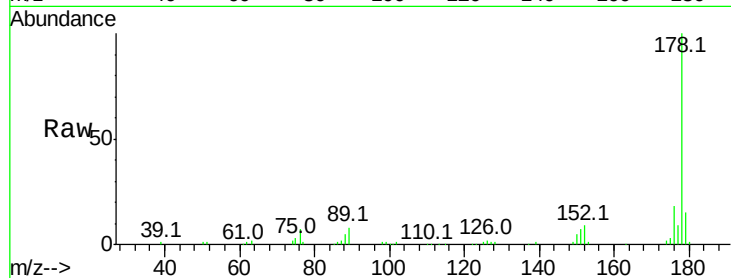
#71
 Anthracene
 Concen: 8.96 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.05 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.3	13.0	19.4

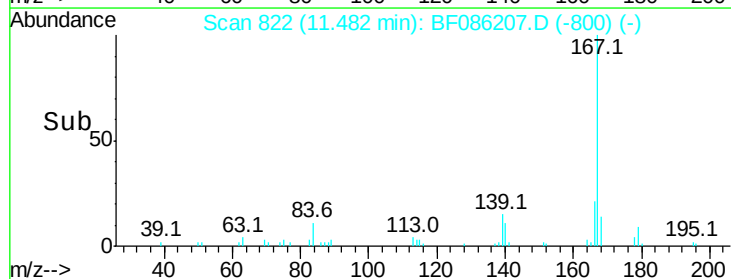
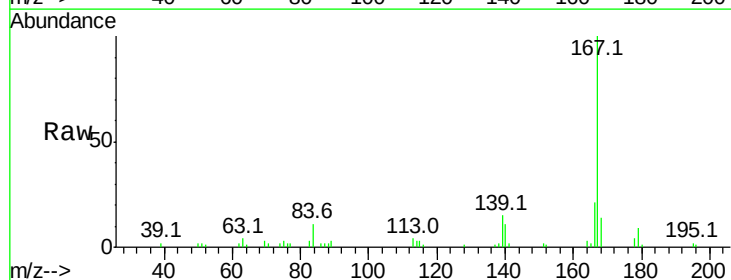
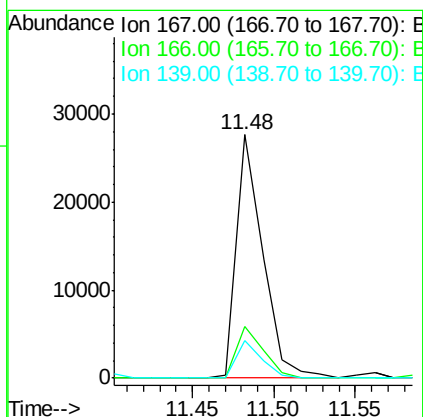
Manual Integrations
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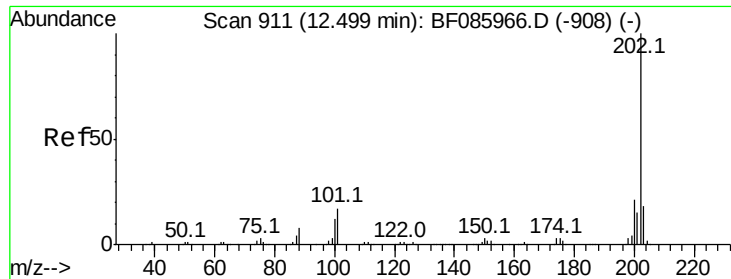
Sohil
 4/11/2016 5:45:34 PM



#72
 Carbazole
 Concen: 2.41 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.05 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.8
139	15.3	11.6	17.4





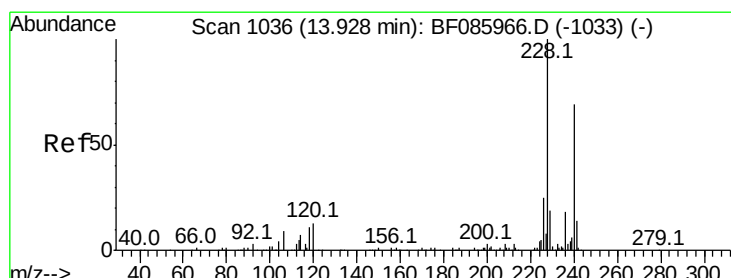
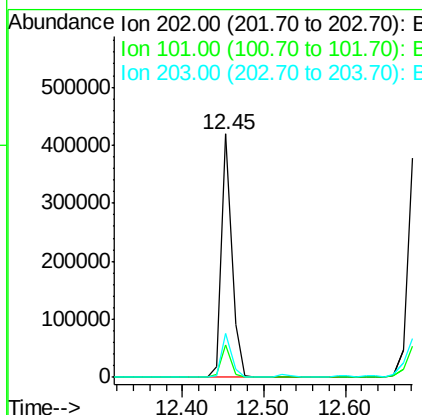
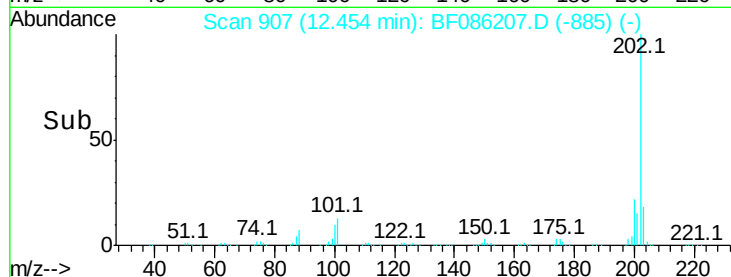
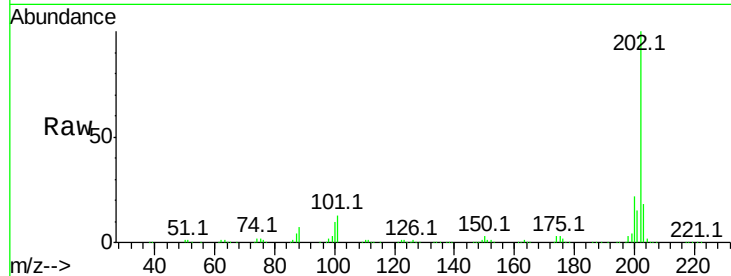
#74
Fluoranthene
Concen: 25.00 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	36.6
203	17.8	0.0	38.1

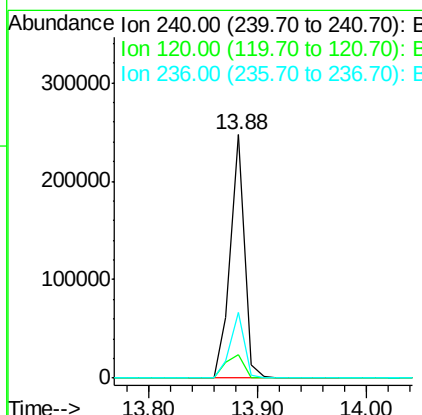
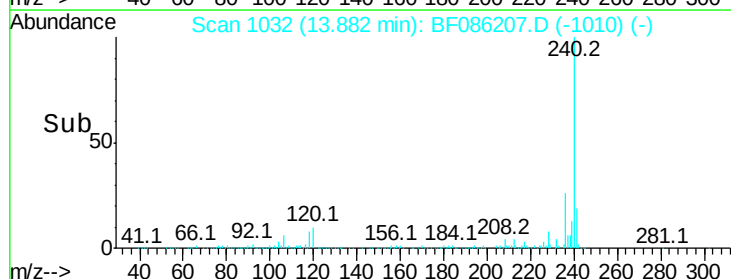
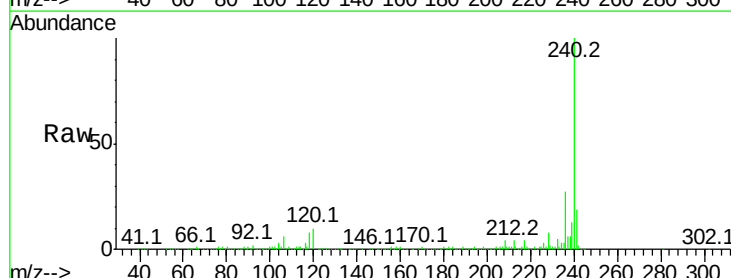
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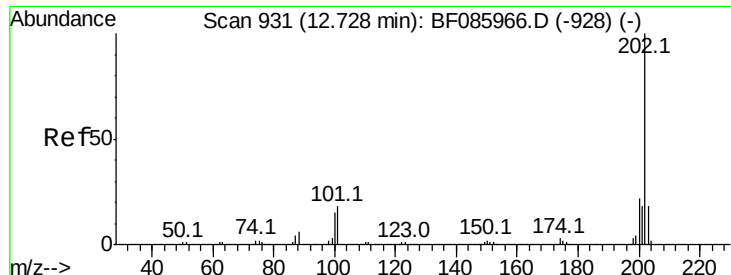
Sohil
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	13.8	20.8#
236	26.8	20.6	30.8





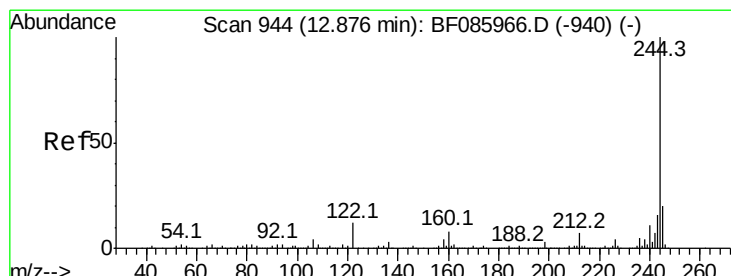
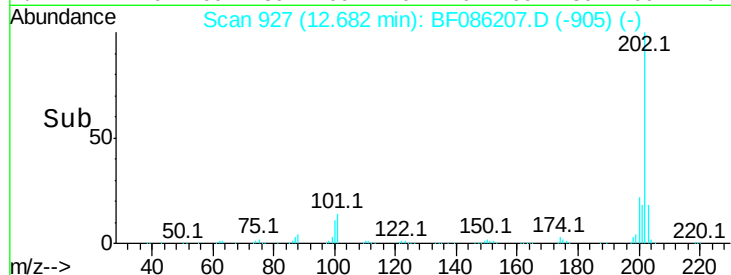
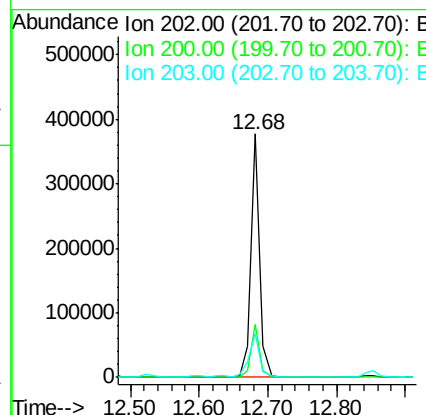
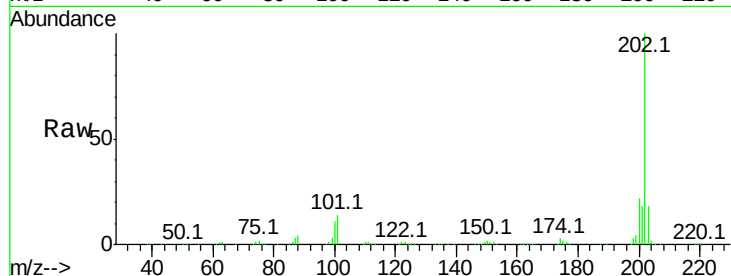
#77
Pvrene
Concen: 20.91 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.8	14.0	21.0

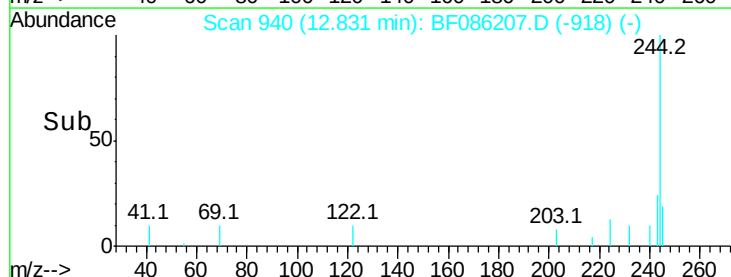
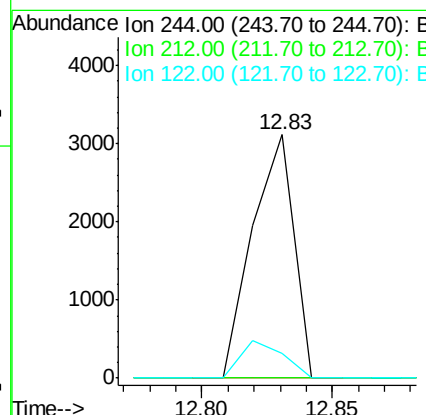
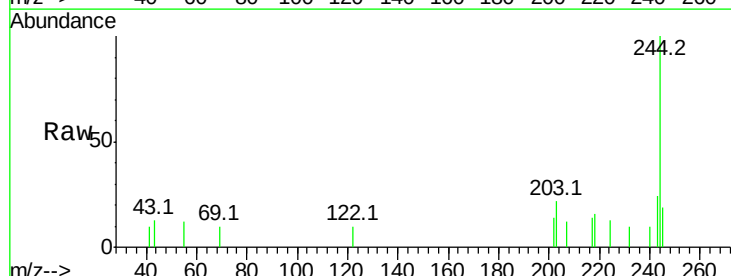
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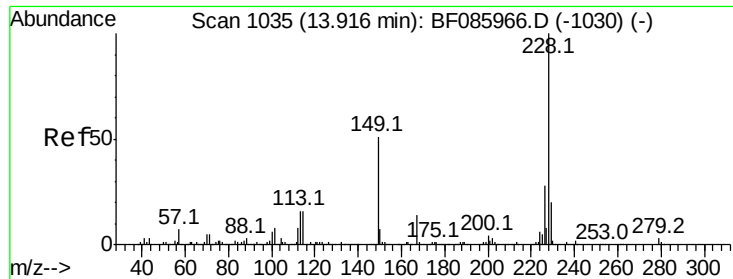
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#78
Terphenyl-d14
Concen: 0.36 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	0.0	6.1	9.1#
122	10.1	10.2	15.4#





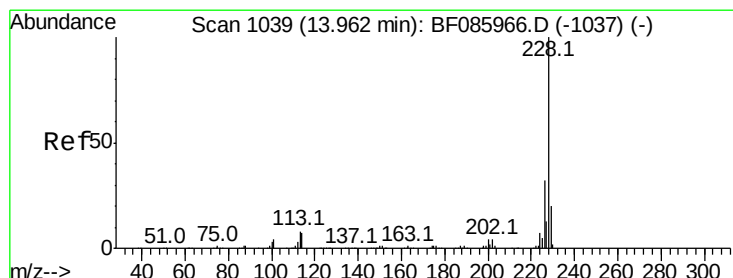
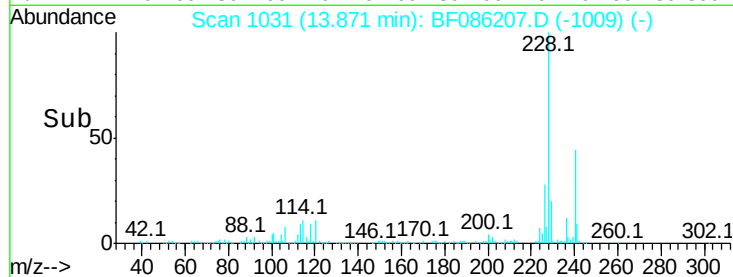
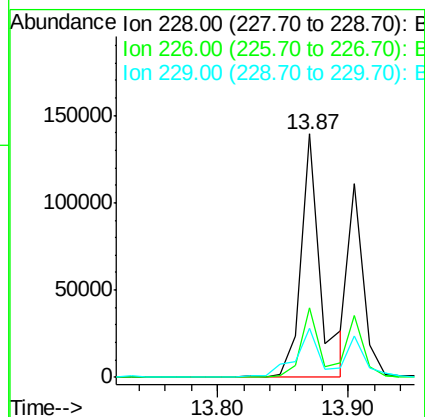
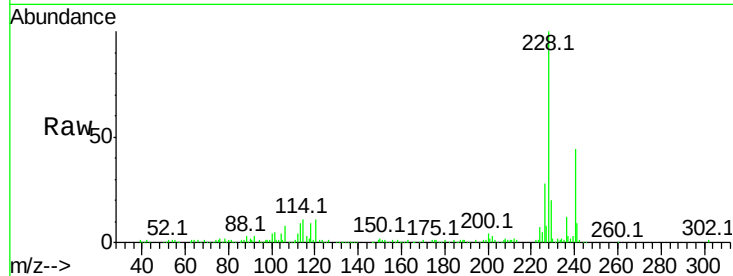
#80
Benzo(a)anthracene
Concen: 11.03 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	20.3	16.2	24.4

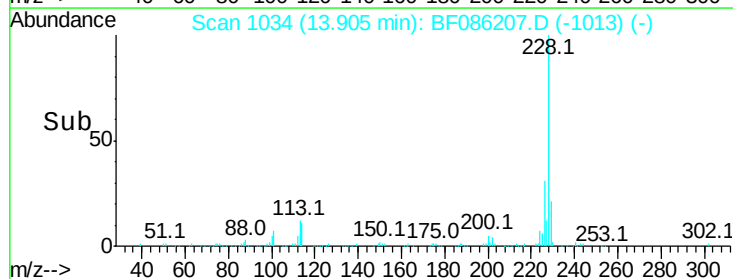
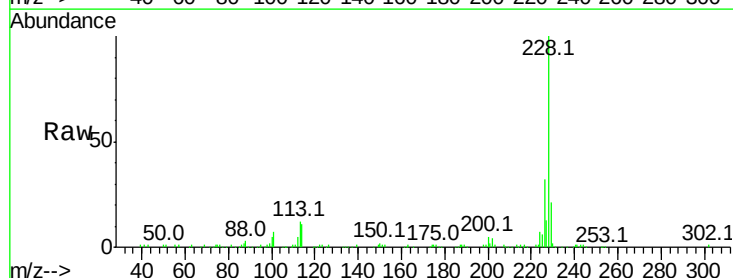
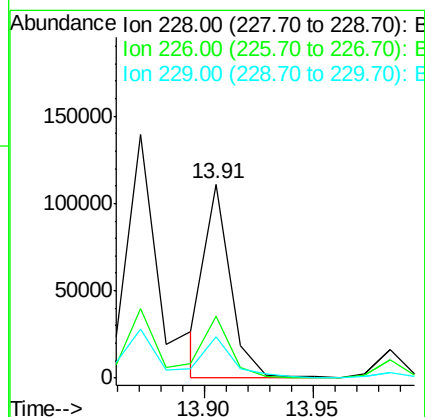
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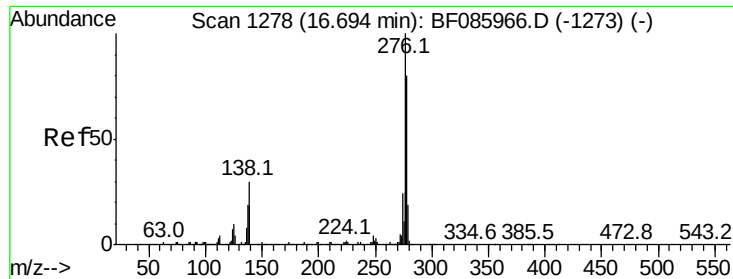
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#82
Chrysene
Concen: 7.14 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	21.3	15.7	23.5





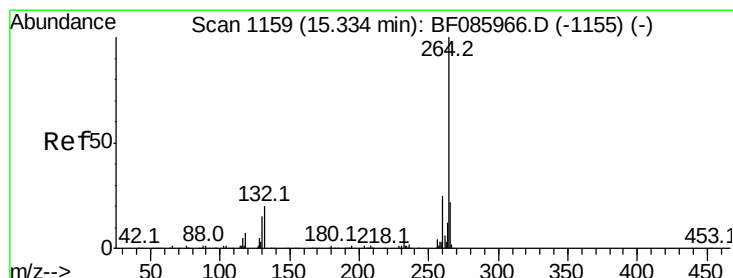
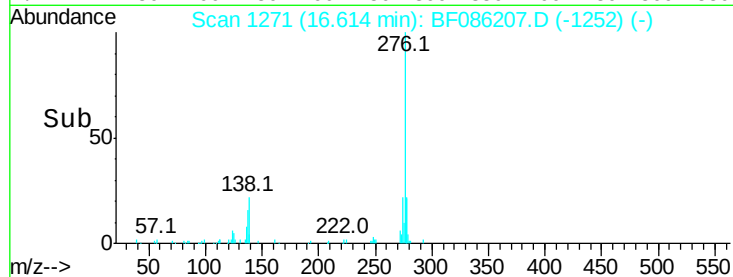
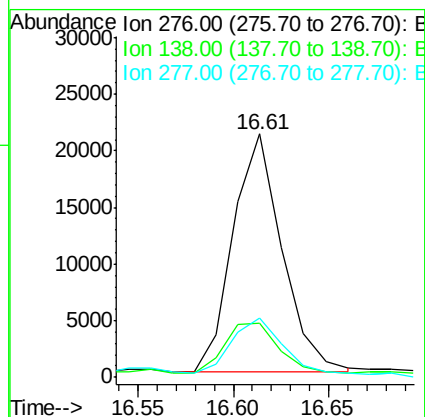
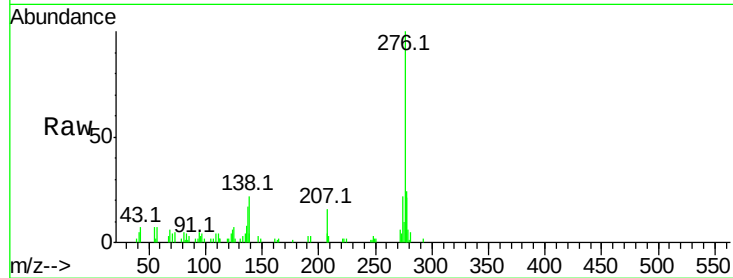
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.64 ng m
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.08 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0DL

Tot Ion:	276	Resp:	37655
Ion Ratio	Lower	Upper	
276	100		
138	7.7	24.2	36.4#
277	7.3	20.0	30.0#

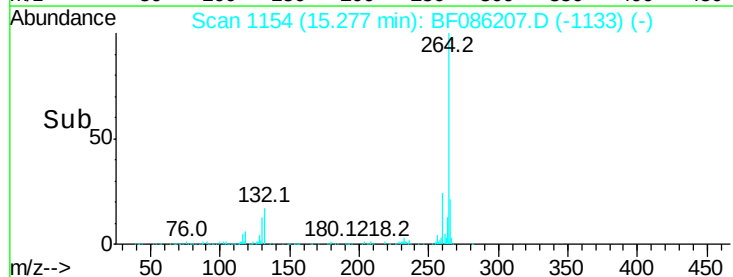
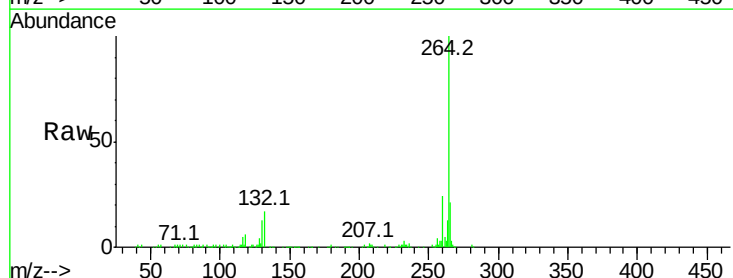
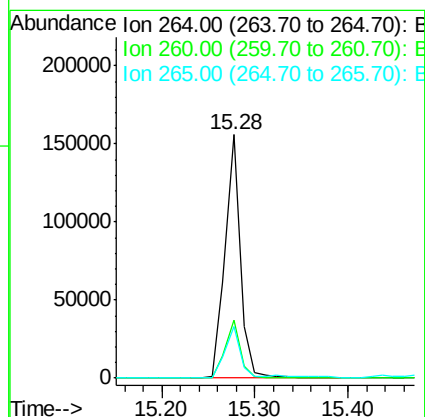
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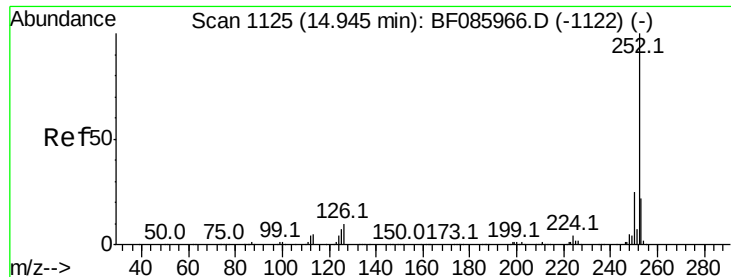
Sohil
 4/11/2016 5:45:34 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF086207.D
 Acq: 9 Apr 2016 9:30

Tgt Ion:	264	Resp:	178075
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.39 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Instrument :

BNA_F

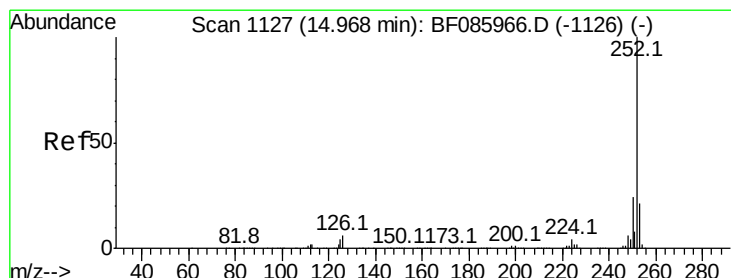
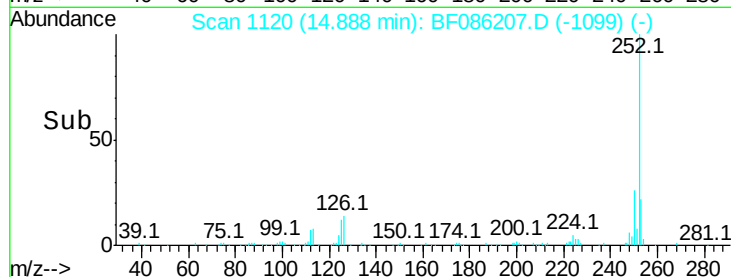
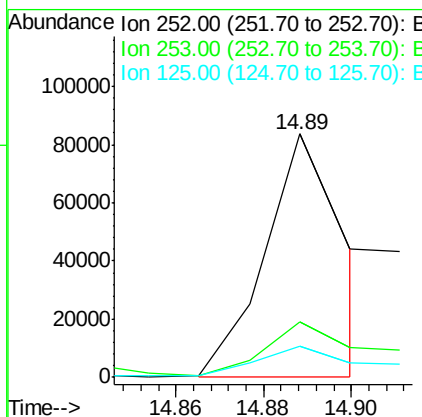
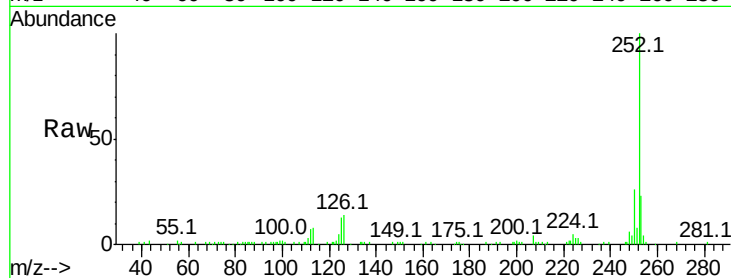
ClientSampleId :

PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	12.8	10.3	15.5

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#88

Benzo(k)fluoranthene

Concen: 4.11 ng m

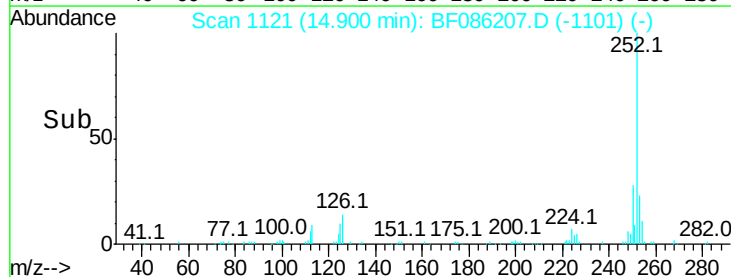
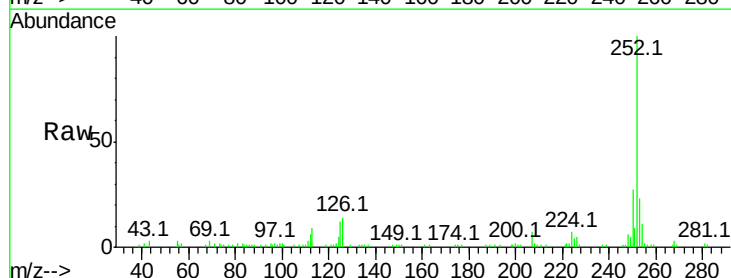
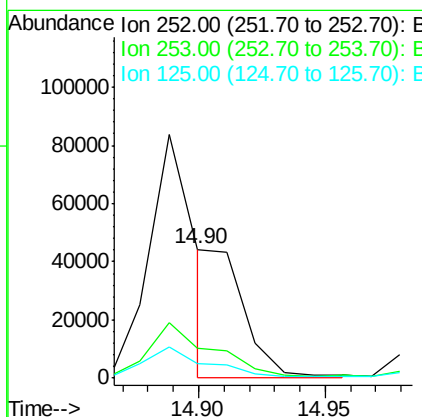
RT: 14.90 min Scan# 1121

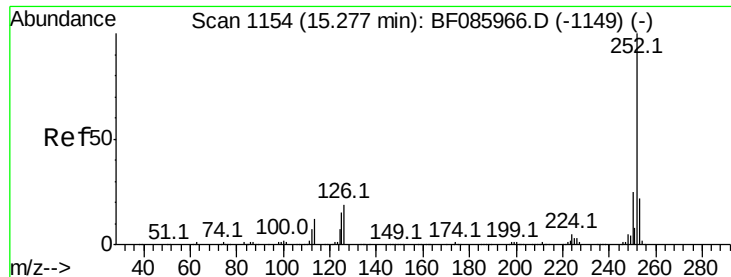
Delta R.T. -0.07 min

Lab File: BF086207.D

Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.6	7.7	11.5#





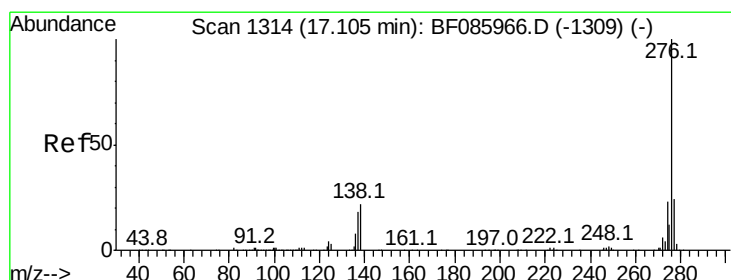
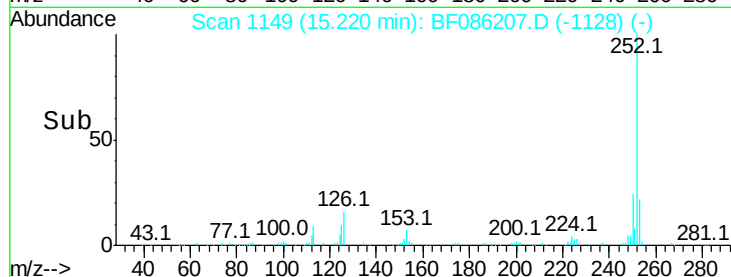
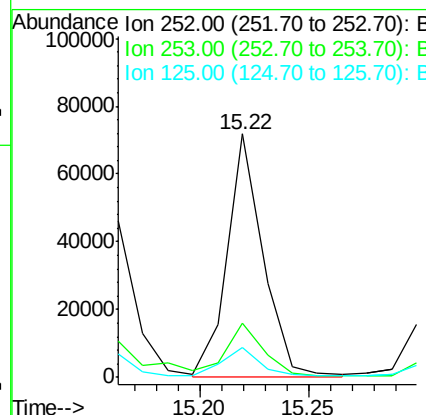
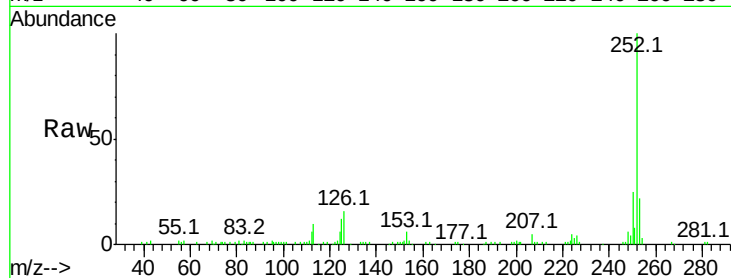
#89
Benzo(a)pyrene
Concen: 8.28 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.06 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	12.0	10.3	15.5

Manual Integrations
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4/11/2016 5:45:34 PM



#91
Benzo(g,h,i)perylene
Concen: 4.99 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.09 min
Lab File: BF086207.D
Acq: 9 Apr 2016 9:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	25.4	22.6	34.0

