

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086206.D
 Acq On : 9 Apr 2016 9:02
 Operator : UM/SJ
 Sample : H2310-04DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB1-0-6.0DL

Manual Integrations
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 4/11/2016 5:45:33 PM

Quant Time: Apr 11 17:15:34 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	117811	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	447110	20.00	ng	-0.06
38) Acenaphthene-d10	9.77	164	181898	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	299829	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	259635	20.00	ng	-0.05
86) Perylene-d12	15.28	264	205922	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	113200	16.42	ng	-0.05
7) Phenol-d6	6.37	99	158333	18.09	ng	-0.05
23) Nitrobenzene-d5	7.30	82	80599	10.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	21366	12.51	ng	-0.05
44) 2-Fluorobiphenyl	9.08	172	155059	14.17	ng	-0.06
78) Terphenyl-d14	12.82	244	100032	9.06	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.03	128	179568	7.98	ng	97
37) 2-Methylnaphthalene	8.73	142	39725	2.70	ng	97
51) Acenaphthene	9.79	154	38212	3.53	ng	97
54) Dibenzofuran	9.97	168	46644	3.26	ng	98
57) Fluorene	10.30	166	52535	4.30	ng	99
70) Phenanthrene	11.26	178	376333	23.01	ng	99
71) Anthracene	11.32	178	111722	6.52	ng	98
72) Carbazole	11.48	167	48044	3.26	ng	98
74) Fluoranthene	12.45	202	342907	20.16	ng	96
77) Pyrene	12.68	202	284124	15.53	ng	99
80) Benzo(a)anthracene	13.87	228	136963	8.95	ng	98
82) Chrysene	13.91	228	90487	6.14	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	46214	4.23	ng	99
85) Indeno(1,2,3-cd)pyrene	16.61	276	50839	4.25	ng	97
87) Benzo(b)fluoranthene	14.89	252	123755m	9.55	ng	
88) Benzo(k)fluoranthene	14.90	252	50249m	4.38	ng	
89) Benzo(a)pyrene	15.22	252	78473	6.84	ng	95
91) Benzo(g,h,i)perylene	17.01	276	49590	5.55	ng	97

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

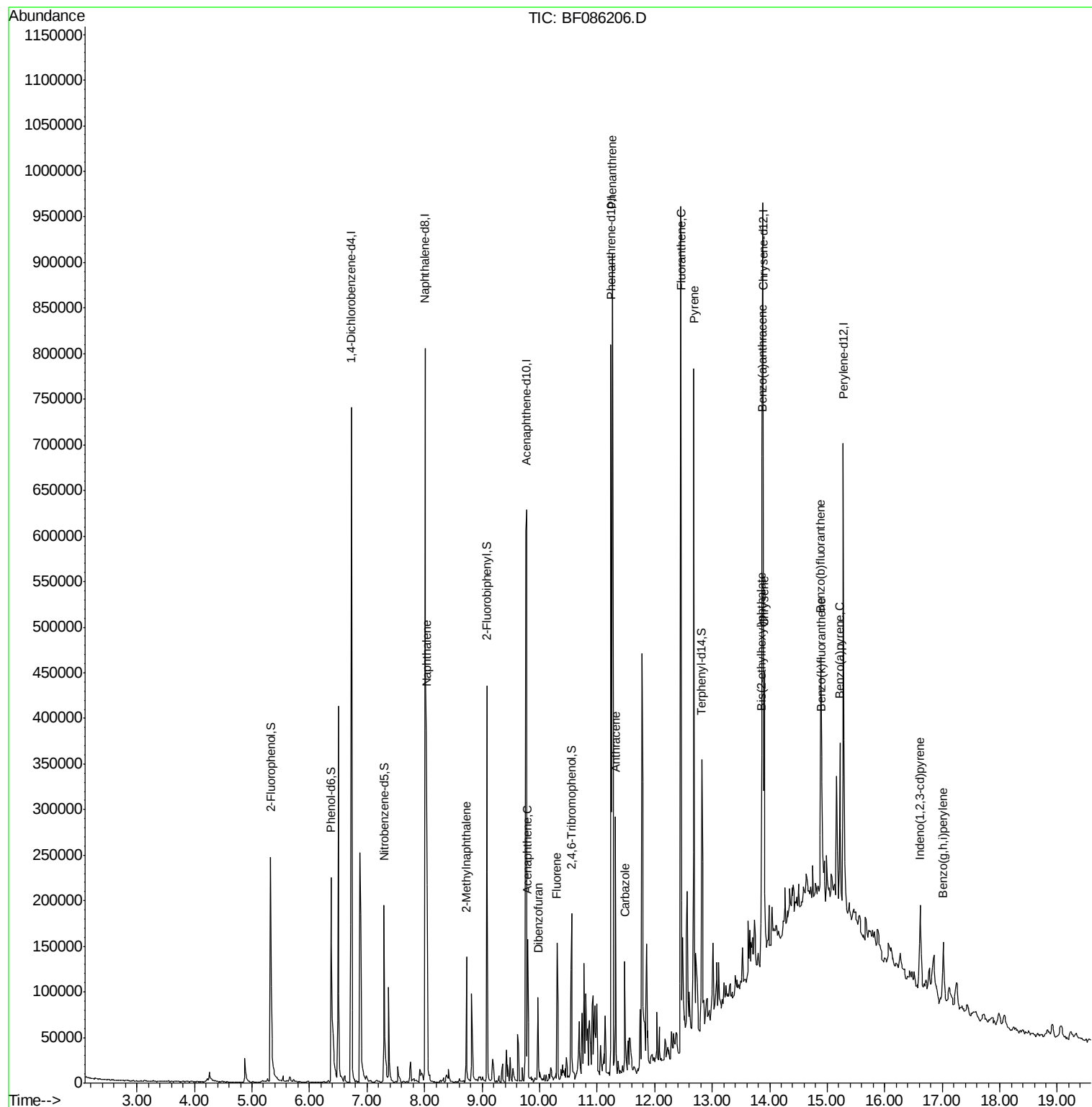
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
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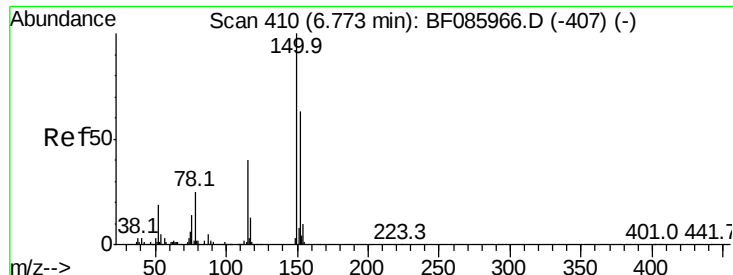
Instrument :
BNA_F
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PEDBR-SB1-0-6.0DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
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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: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

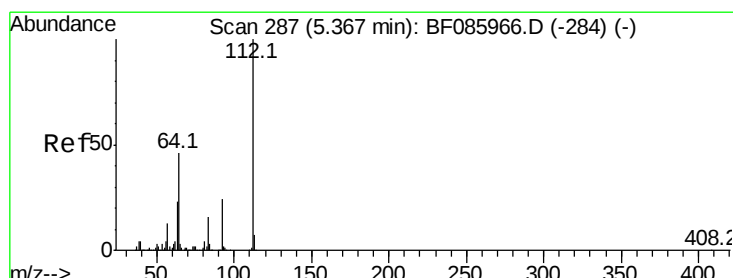
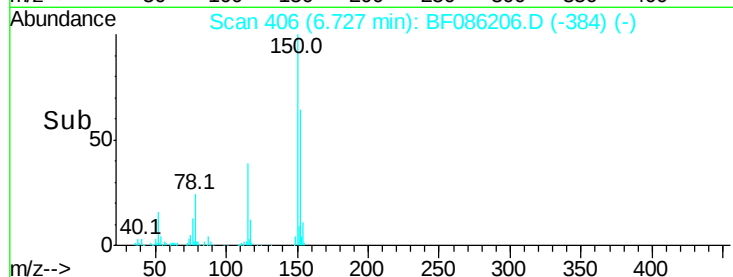
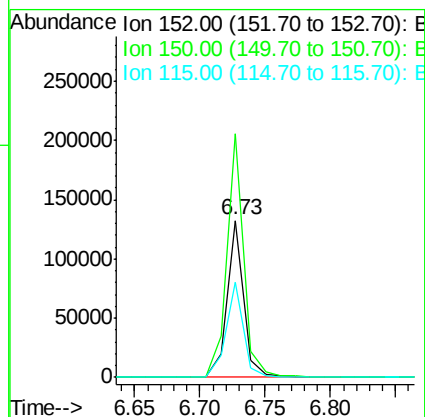
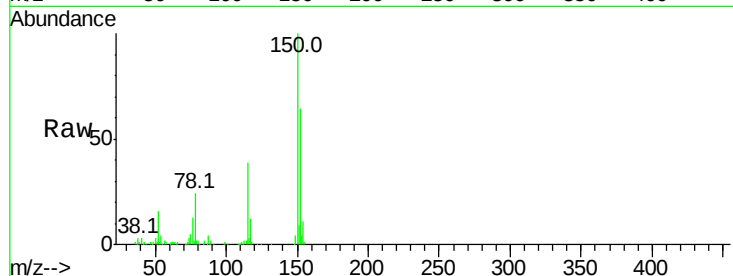
ClientSampleId :

PEDBR-SB1-0-6.0DL

Tot Ion:	152	Resp:	117811
Ion Ratio	Lower	Upper	
152	100		
150	155.2	124.2	186.2
115	61.0	47.0	70.6

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#5

2-Fluorophenol

Concen: 16.42 ng

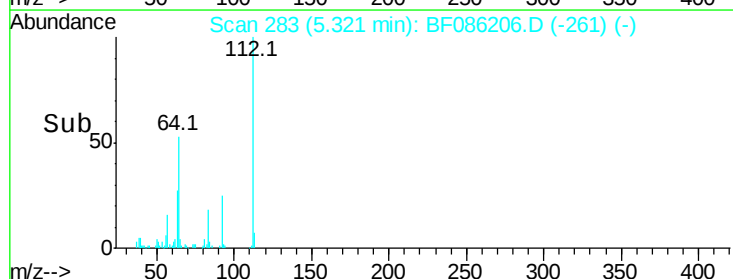
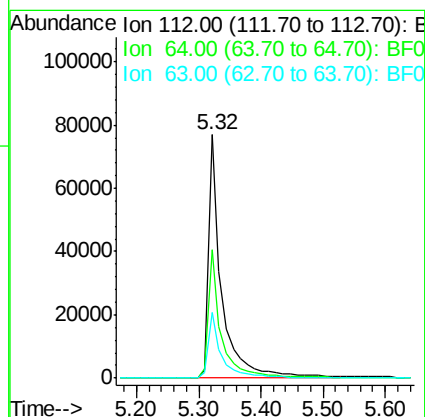
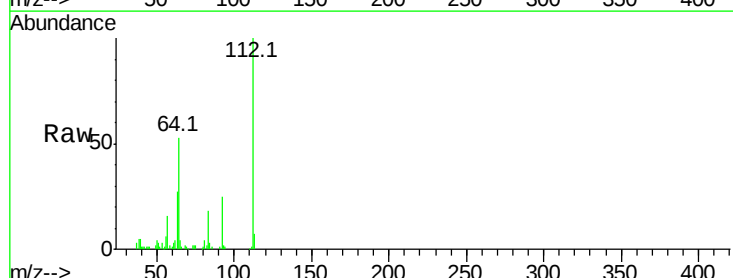
RT: 5.32 min Scan# 283

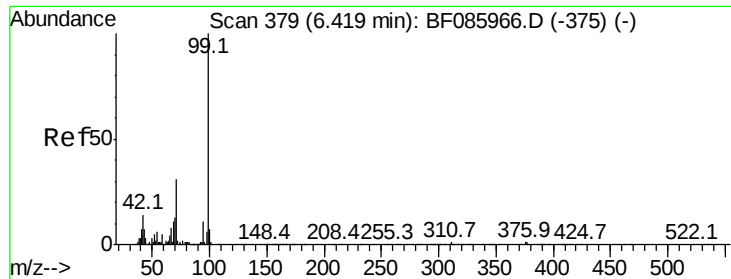
Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion:	112	Resp:	113200
Ion Ratio	Lower	Upper	
112	100		
64	52.6	39.9	59.9
63	27.0	20.2	30.2





#7

Phenol-d6

Concen: 18.09 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

ClientSampleId :

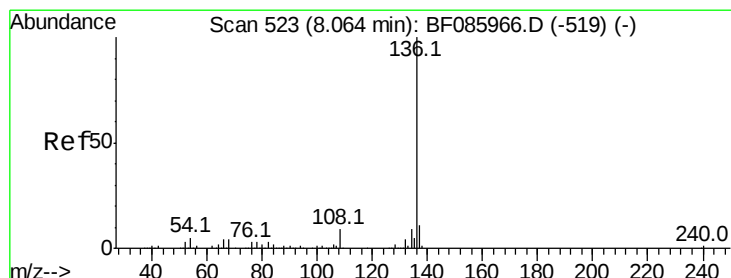
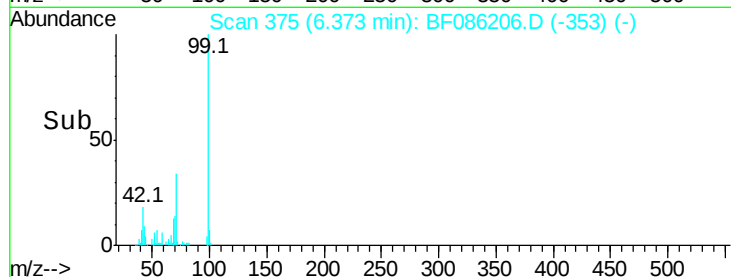
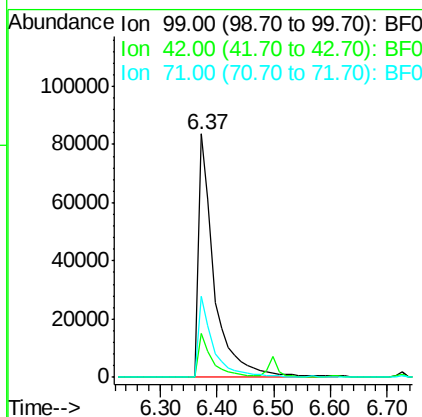
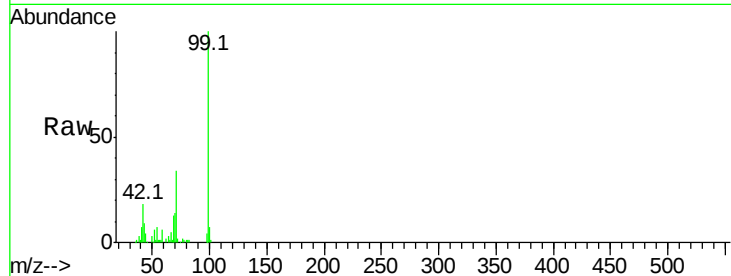
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Tot Ion:	99	Resp:	158333
Ion Ratio	Lower	Upper	
99	100		
42	17.9	11.1	16.7#
71	33.6	24.9	37.3



#21

Naphthalene-d8

Concen: 20.00 ng

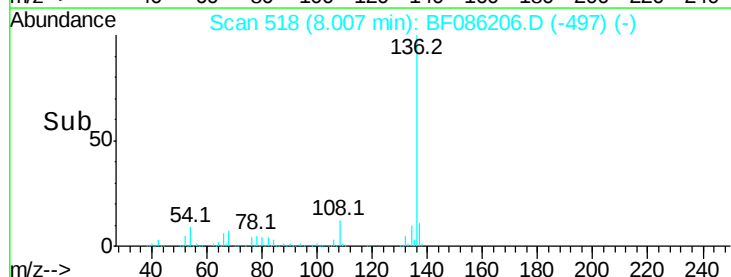
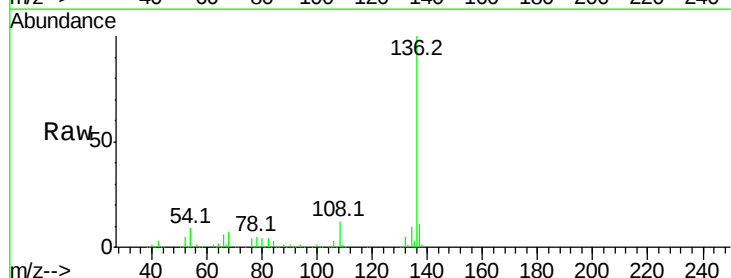
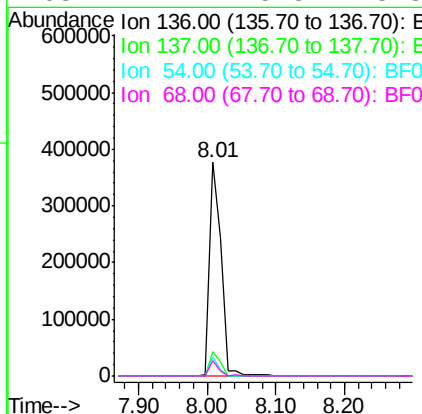
RT: 8.01 min Scan# 518

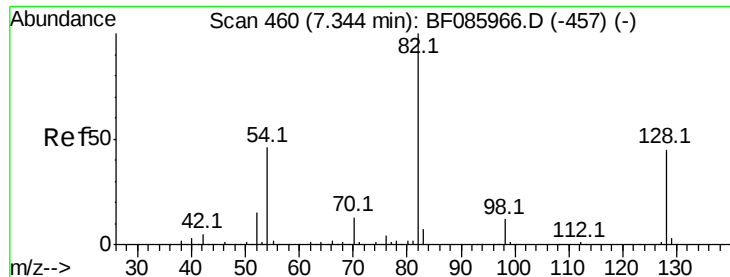
Delta R.T. -0.06 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion:	136	Resp:	447110
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.1	7.4	11.0
68	7.1	5.8	8.8





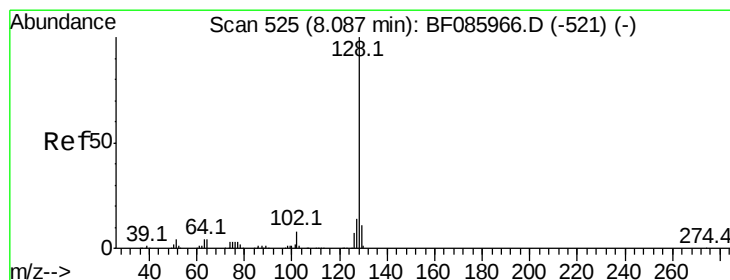
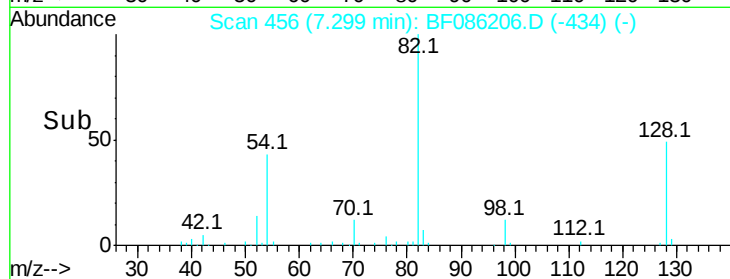
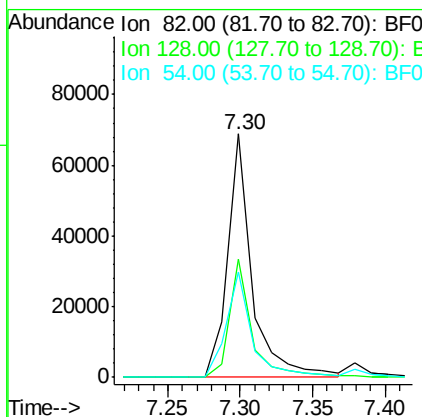
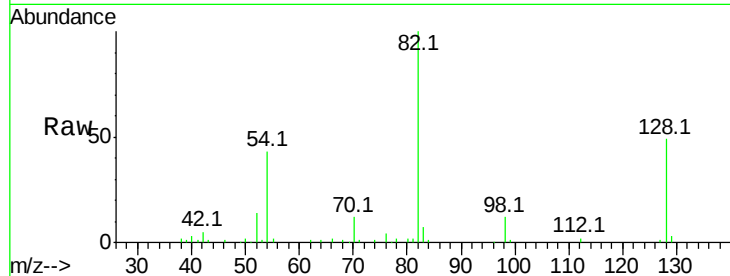
#23
Nitrobenzene-d5
Concen: 10.63 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	41.8	62.8
54	43.1	33.4	50.0

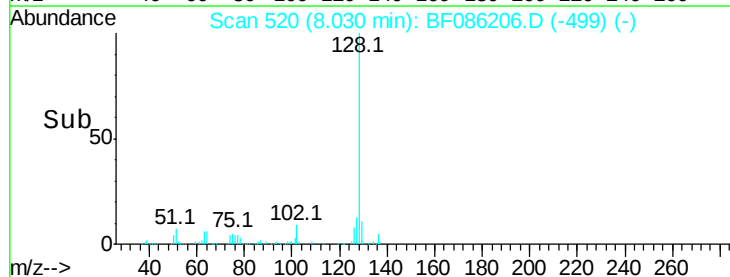
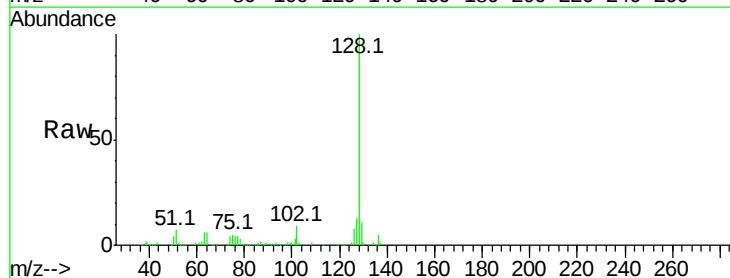
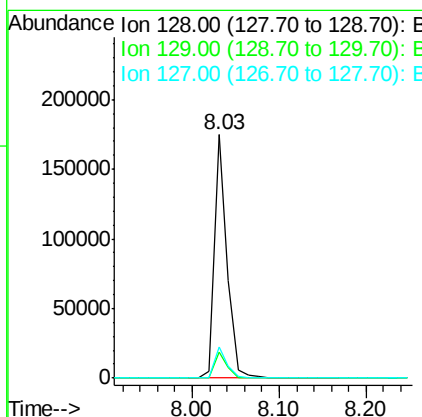
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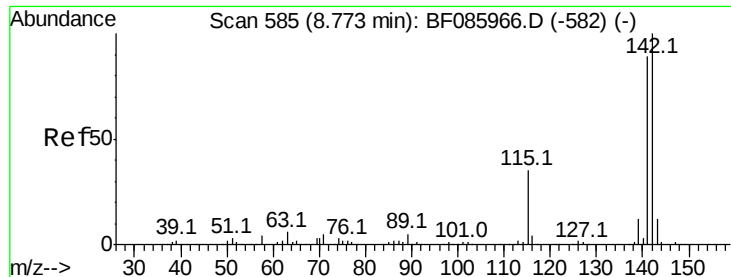
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#31
Naphthalene
Concen: 7.98 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.06 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	12.7	11.0	16.6





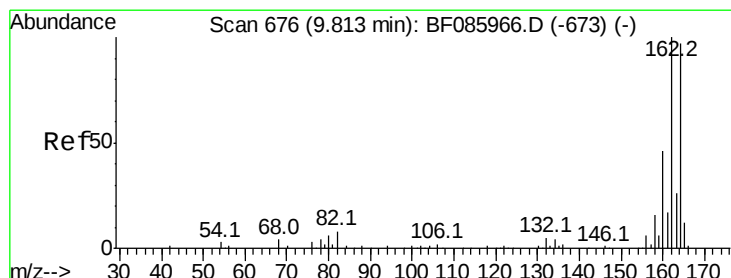
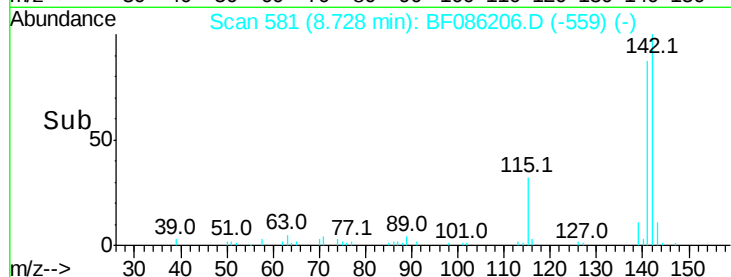
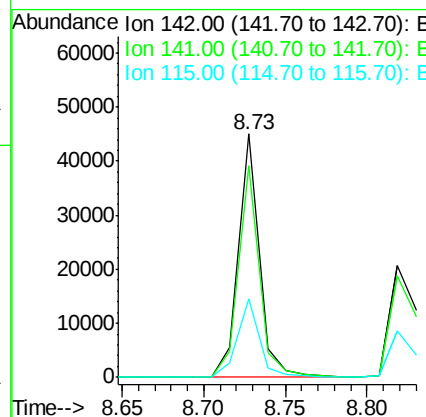
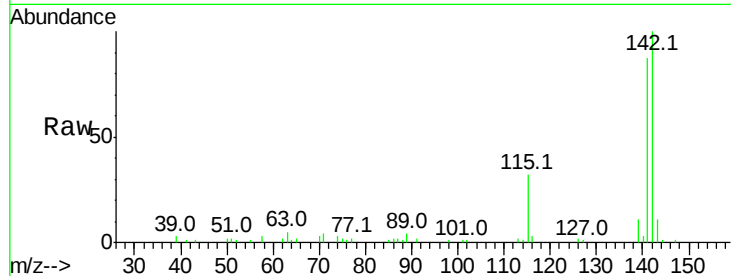
#37
2-Methylnaphthalene
Concen: 2.70 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.05 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.6	107.4
115	32.2	26.8	40.2

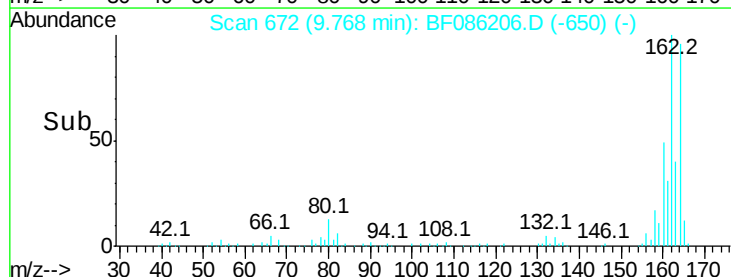
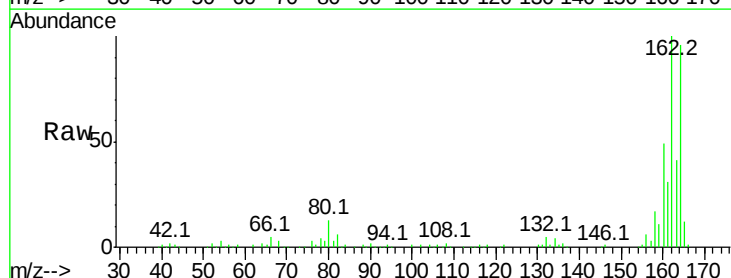
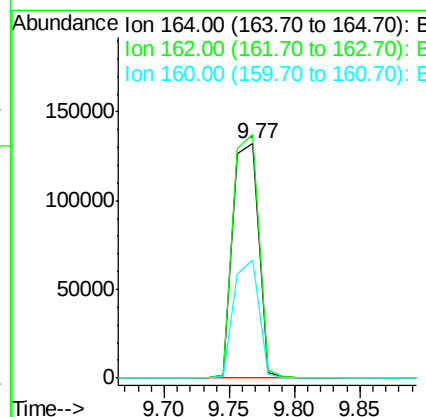
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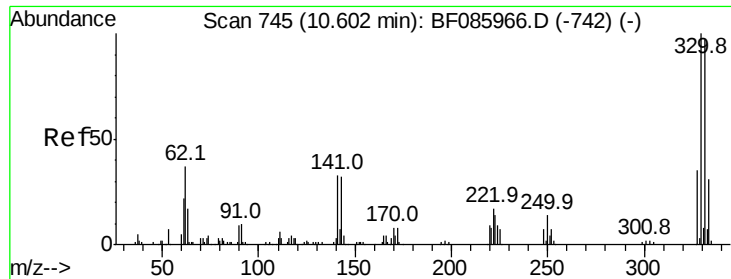
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.1	123.1
160	50.7	37.4	56.2





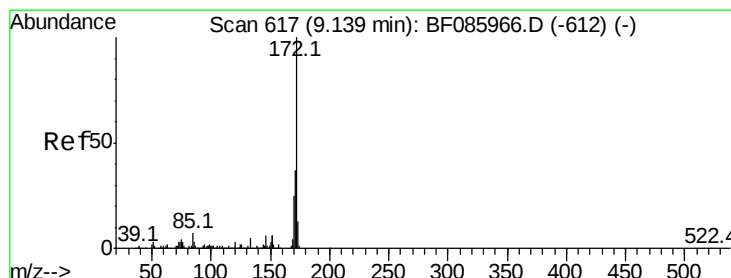
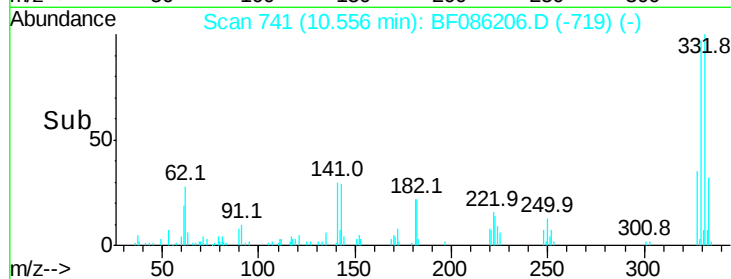
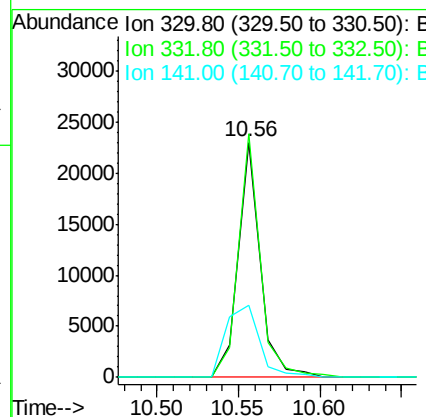
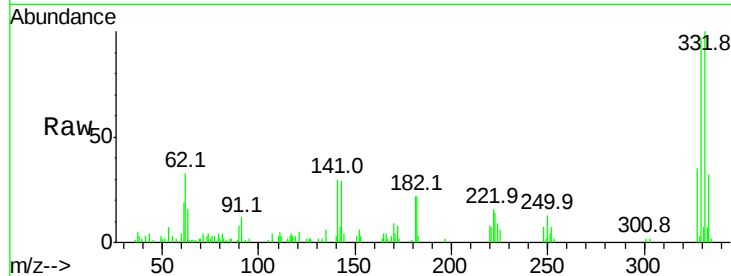
#41
 2,4,6-Tribromophenol
 Concen: 12.51 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.0	78.2	117.2
141	47.7	31.5	47.3

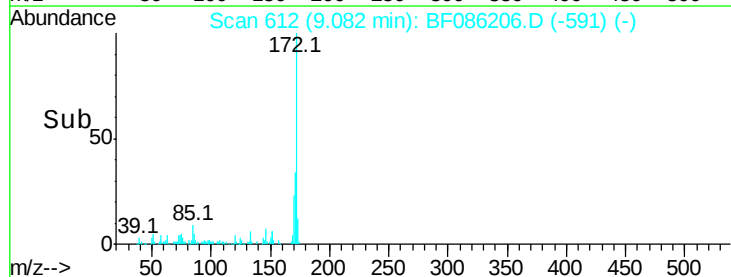
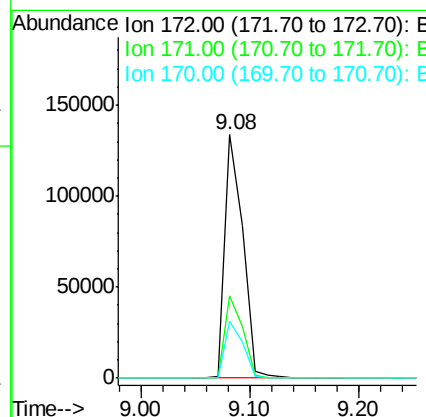
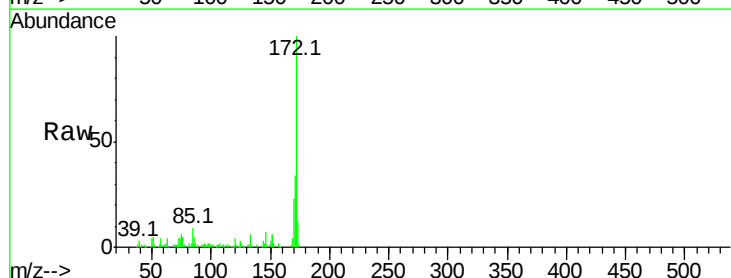
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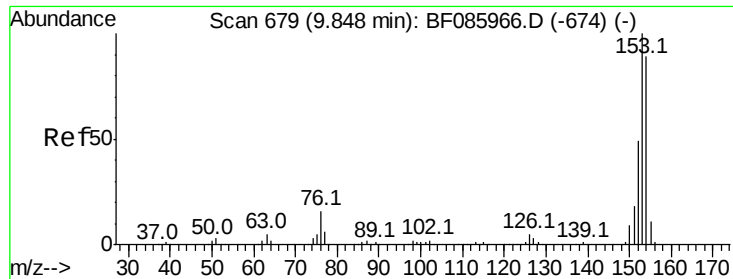
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#44
 2-Fluorobiphenyl
 Concen: 14.17 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.06 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.4	44.2
170	23.2	19.8	29.6





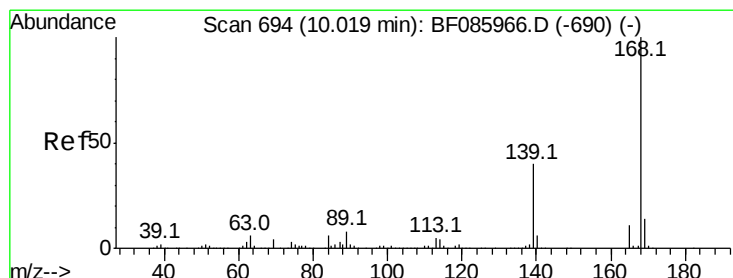
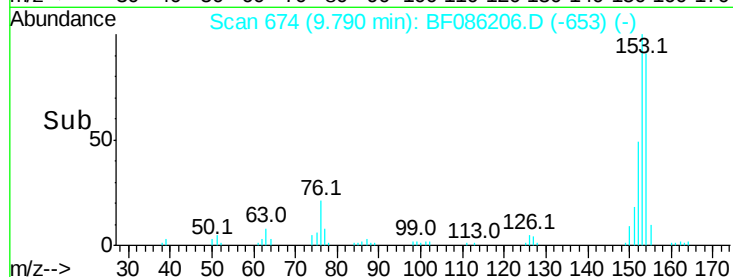
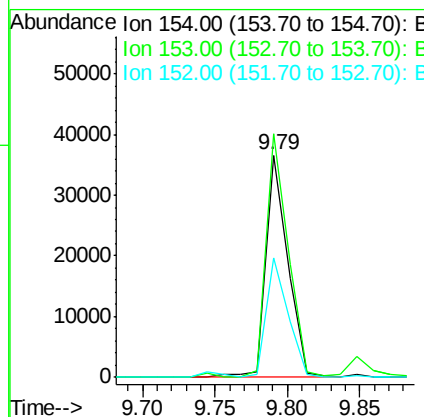
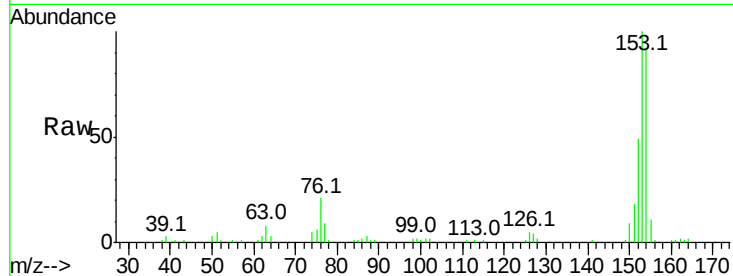
#51
Acenaphthene
Concen: 3.53 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.6	90.1	135.1
152	53.6	44.2	66.2

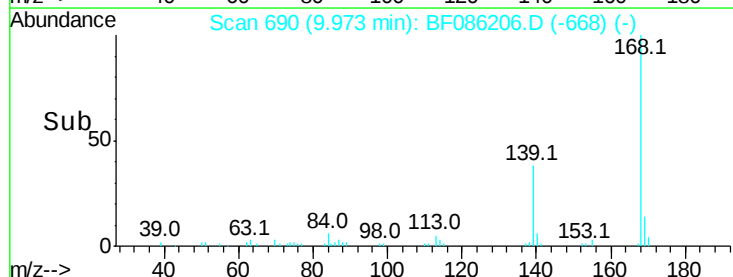
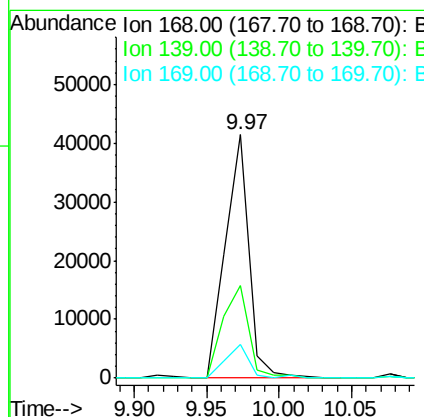
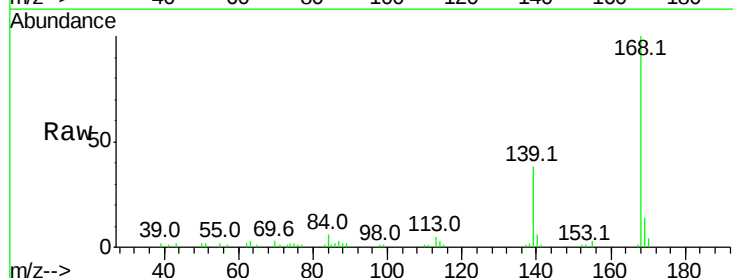
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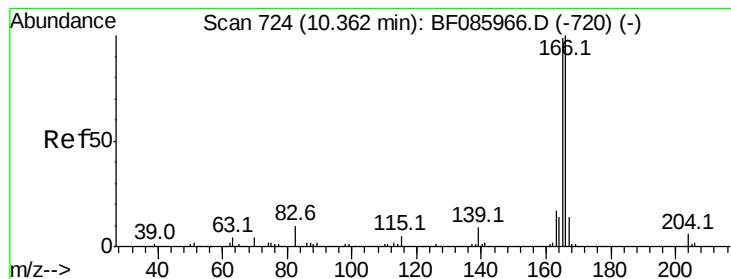
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#54
Dibenzofuran
Concen: 3.26 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.05 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.9	47.9
169	13.8	11.0	16.6





#57

Fluorene

Concen: 4.30 ng

RT: 10.30 min Scan# 719

Delta R.T. -0.06 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

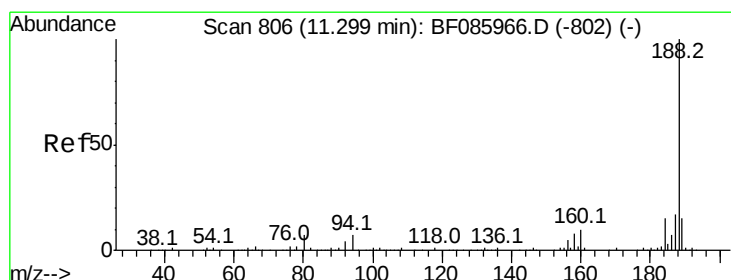
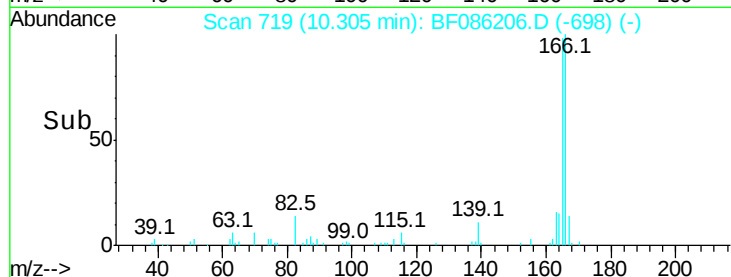
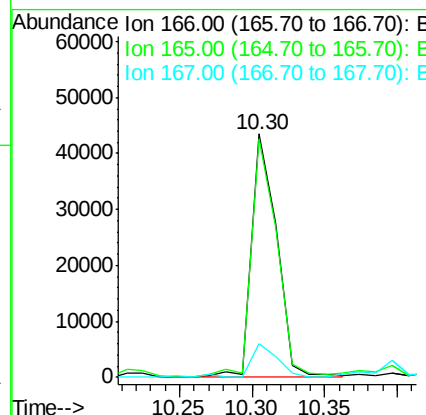
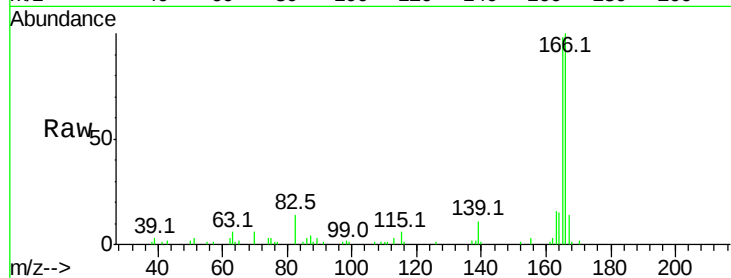
ClientSampleId :

PEDBR-SB1-0-6.0DL

Tot Ion:	166	Resp:	52535
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.4	119.0
167	13.9	11.0	16.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

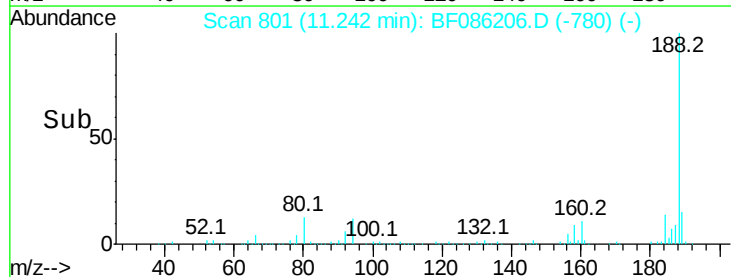
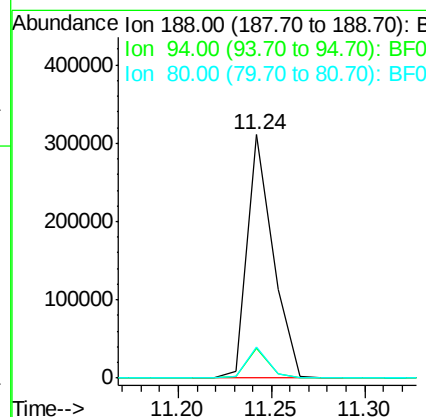
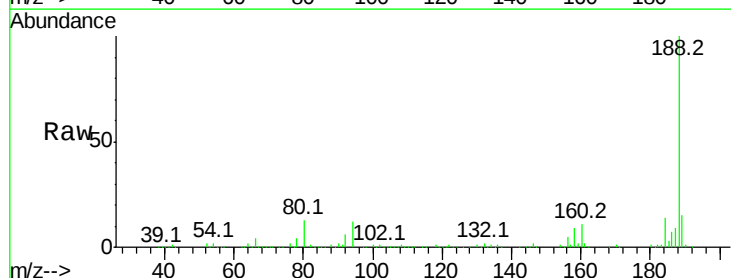
RT: 11.24 min Scan# 801

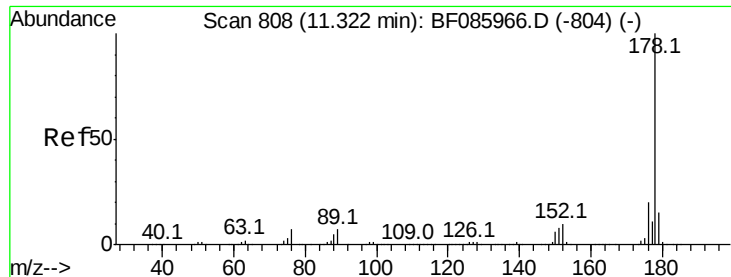
Delta R.T. -0.06 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion:	188	Resp:	299829
Ion Ratio	Lower	Upper	
188	100		
94	12.3	5.4	8.0#
80	12.7	5.5	8.3#





#70

Phenanthrene

Concen: 23.01 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

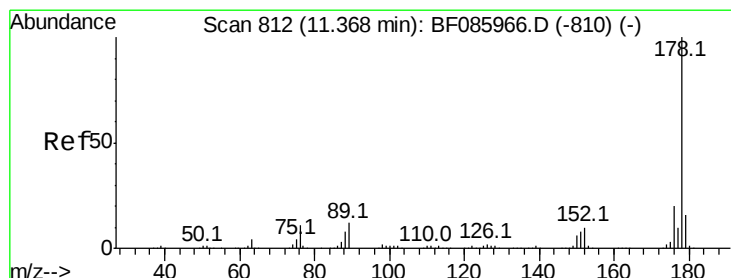
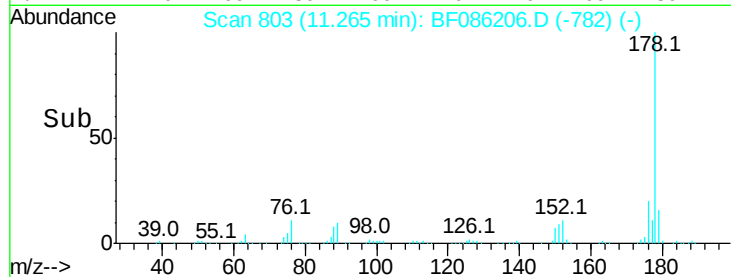
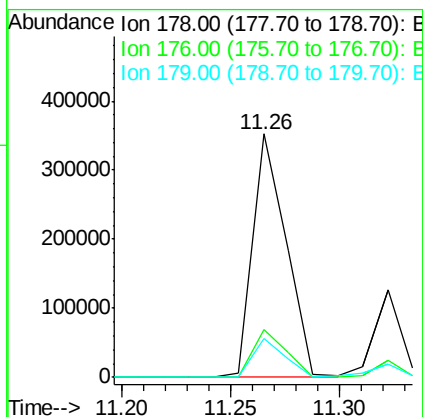
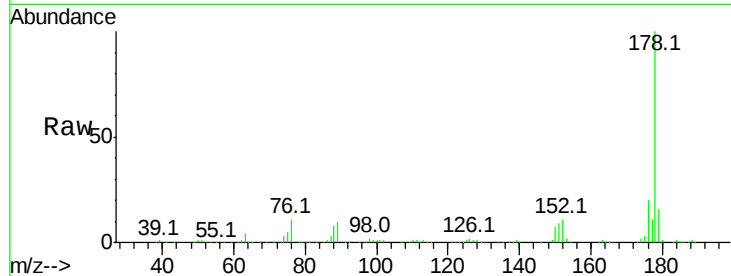
ClientSampleId :

PEDBR-SB1-0-6.0DL

Tot Ion:178	Resp:	376333
Ion Ratio	Lower	Upper
178	100	
176	19.8	16.3 24.5
179	16.1	12.6 18.8

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#71

Anthracene

Concen: 6.52 ng

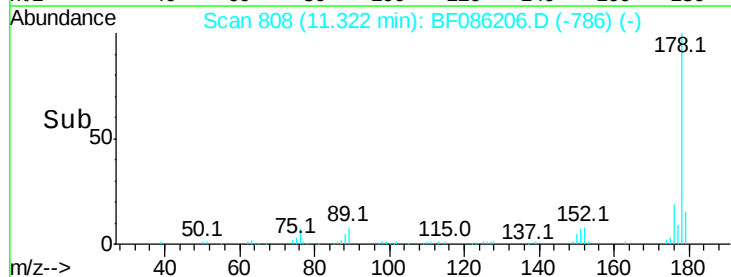
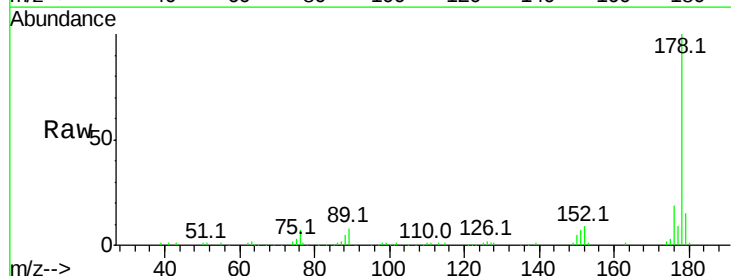
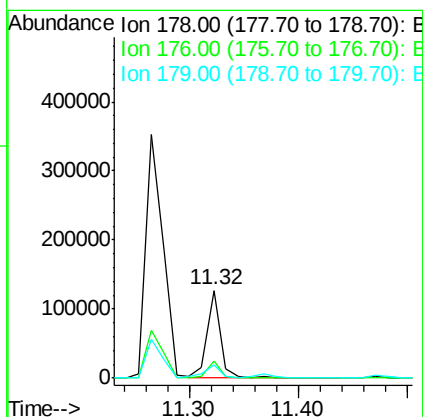
RT: 11.32 min Scan# 808

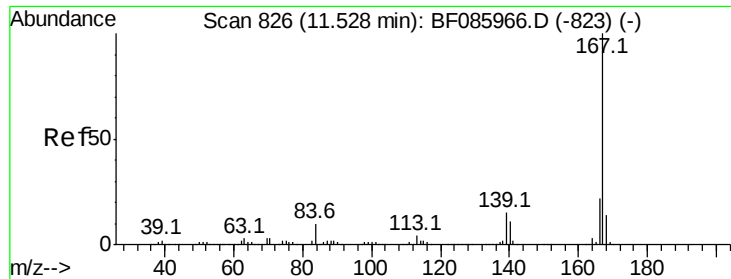
Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion:178	Resp:	111722
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.9 23.9
179	15.5	13.0 19.4





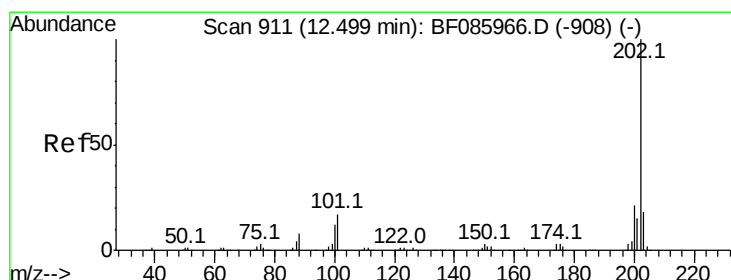
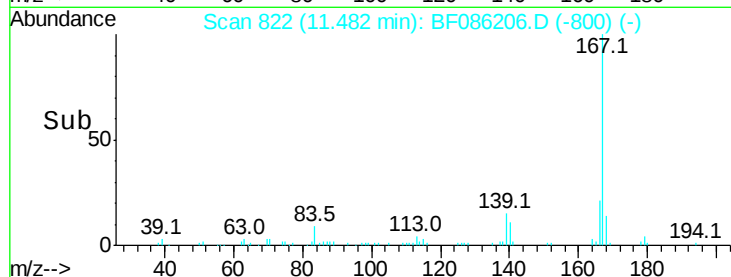
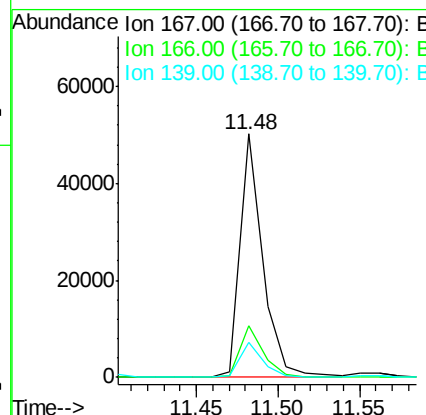
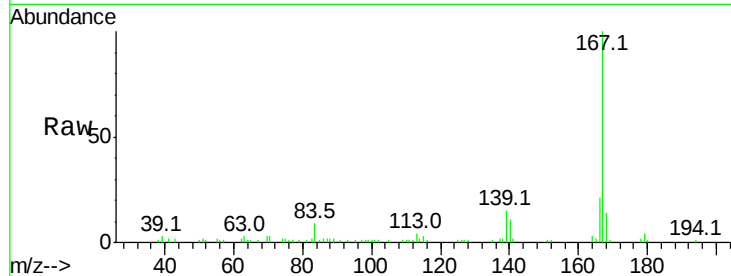
#72
 Carbazole
 Concen: 3.26 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.05 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.8	26.8
139	14.6	11.6	17.4

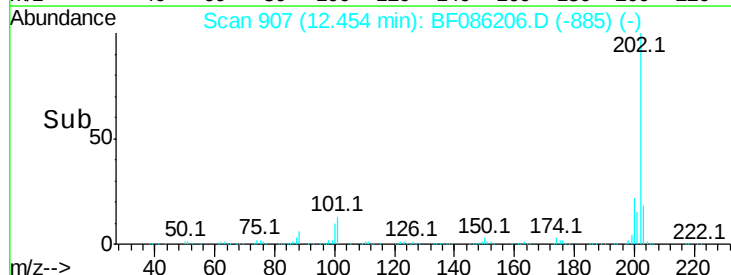
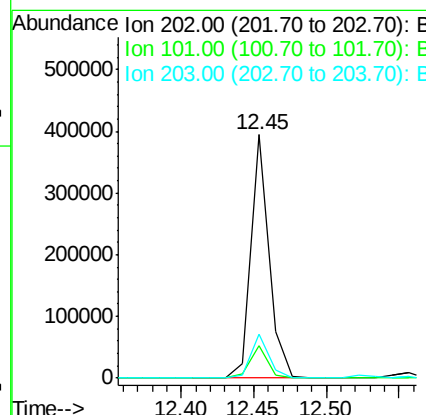
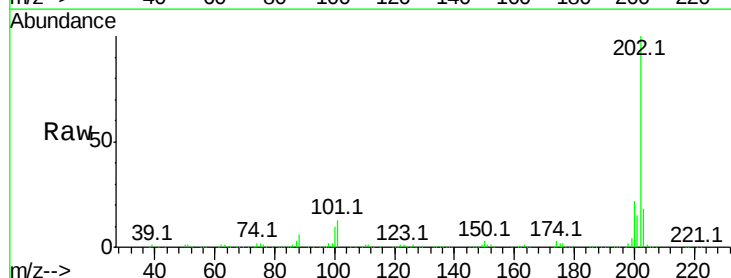
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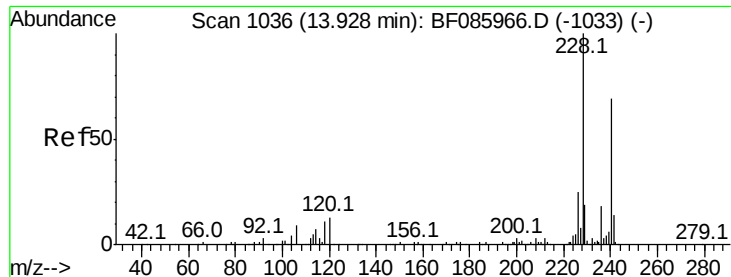
Sohil
 4/11/2016 5:45:33 PM



#74
 Fluoranthene
 Concen: 20.16 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	36.6
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

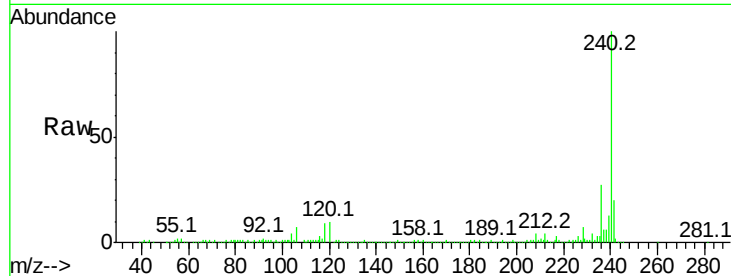
ClientSampleId :

PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	13.8	20.8#
236	26.9	20.6	30.8

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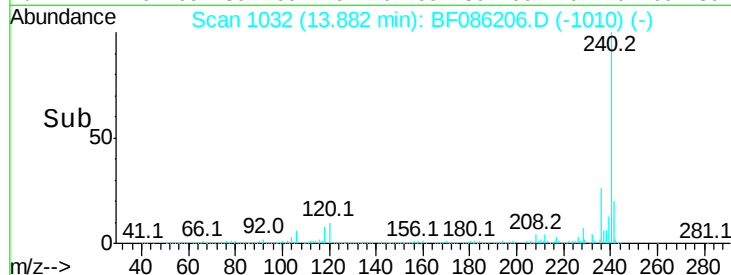


Abundance Ion 240.00 (239.70 to 240.70): E

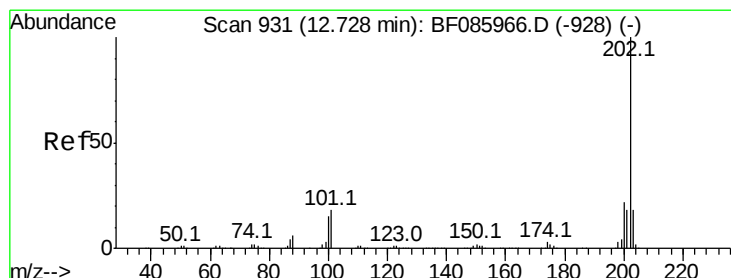
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.88



Time-->



#77

Pyrene

Concen: 15.53 ng

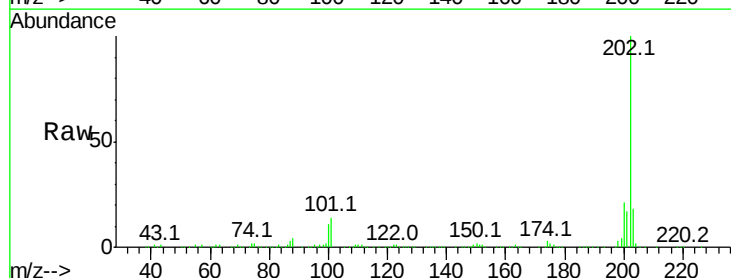
RT: 12.68 min Scan# 927

Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	17.9	14.0	21.0

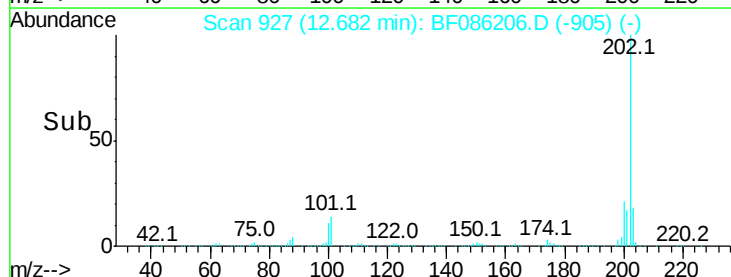


Abundance Ion 202.00 (201.70 to 202.70): E

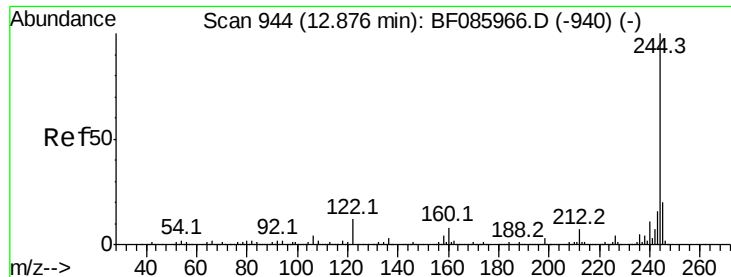
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.68



Time-->



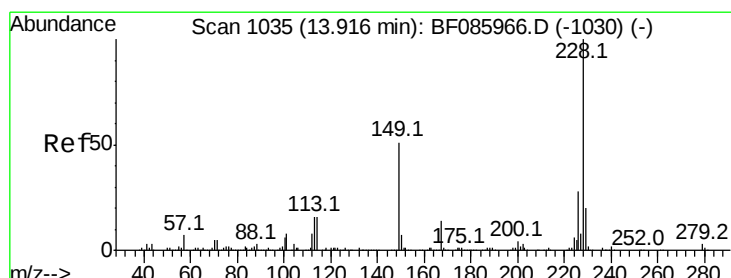
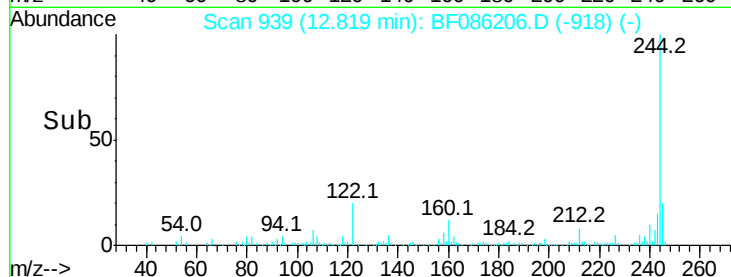
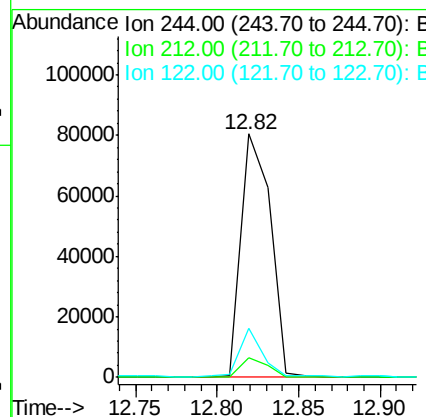
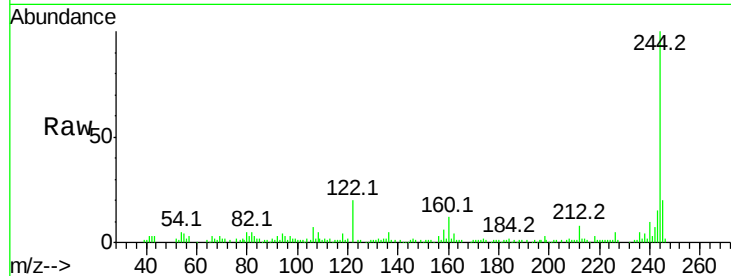
#78
 Terphenyl-d14
 Concen: 9.06 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.06 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.1	9.1
122	20.0	10.2	15.4

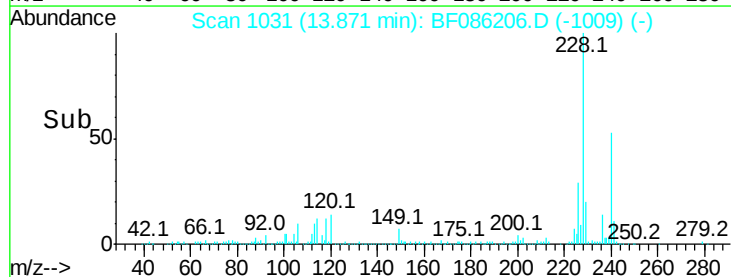
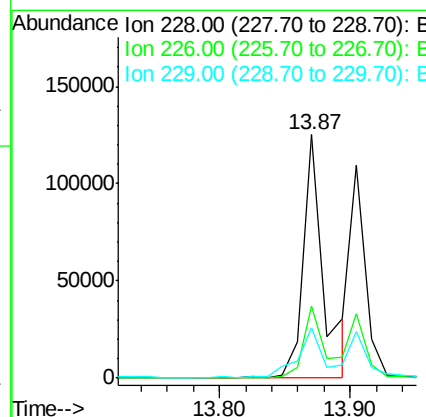
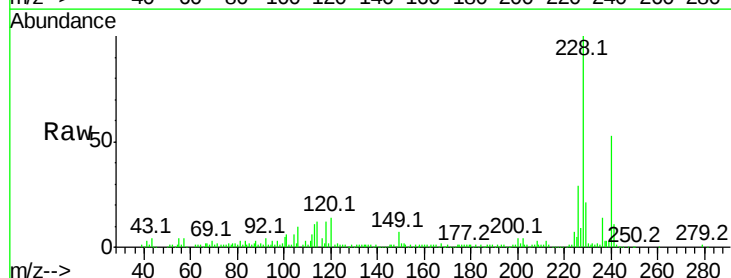
Manual Integrations
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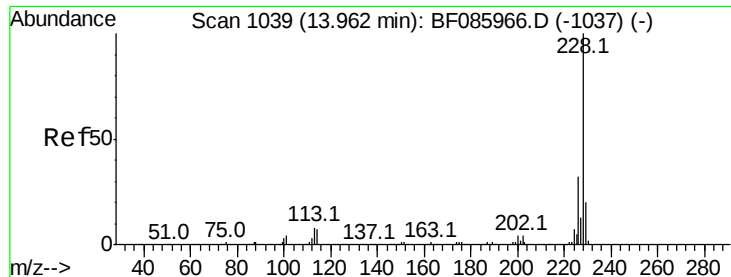
Sohil
 4/11/2016 5:45:33 PM



#80
 Benzo(a)anthracene
 Concen: 8.95 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	20.8	16.2	24.4





#82

Chrysene

Concen: 6.14 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Instrument :

BNA_F

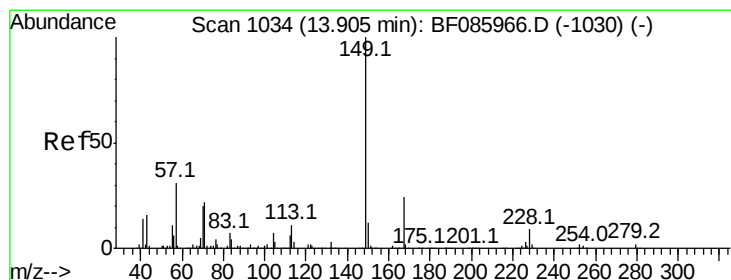
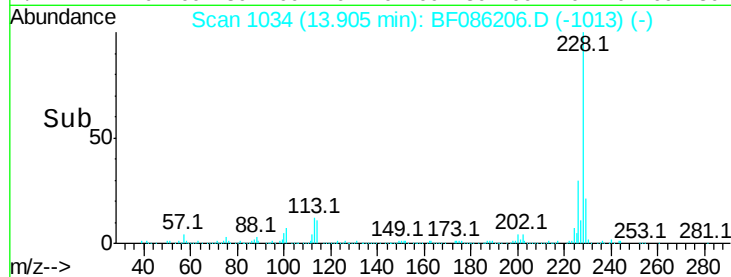
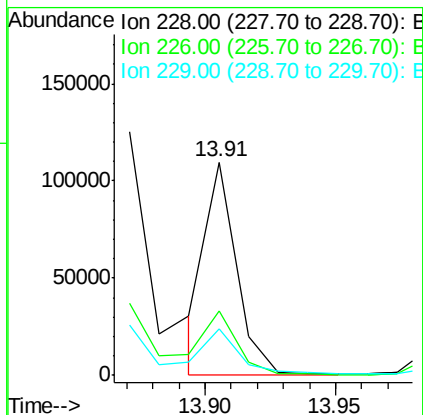
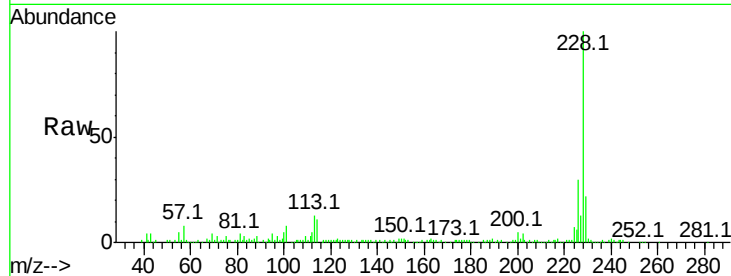
ClientSampleId :

PEDBR-SB1-0-6.0DL

Tot Ion:	228	Resp:	90487
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.6	15.7	23.5

Manual Integrations
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4/11/2016 5:45:33 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.23 ng

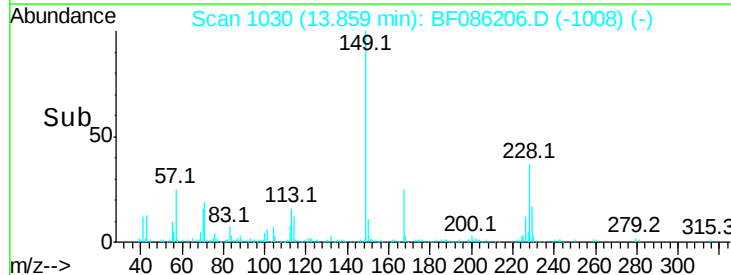
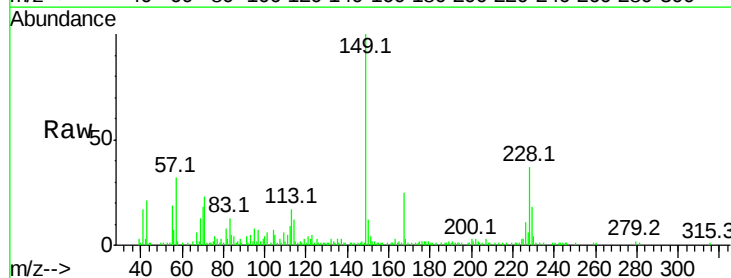
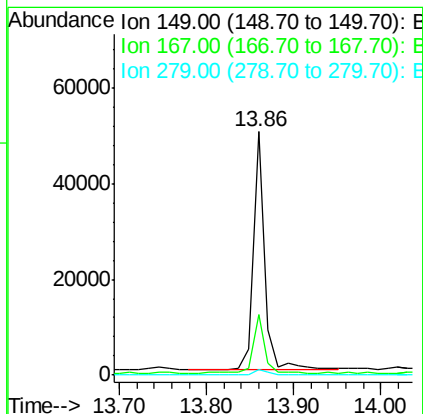
RT: 13.86 min Scan# 1030

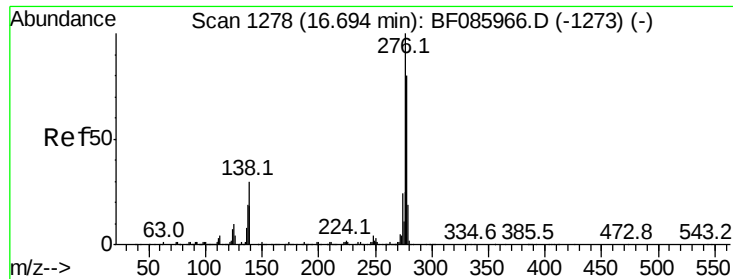
Delta R.T. -0.05 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion:	149	Resp:	46214
Ion Ratio	Lower	Upper	
149	100		
167	24.8	19.4	29.2
279	2.3	1.5	2.3





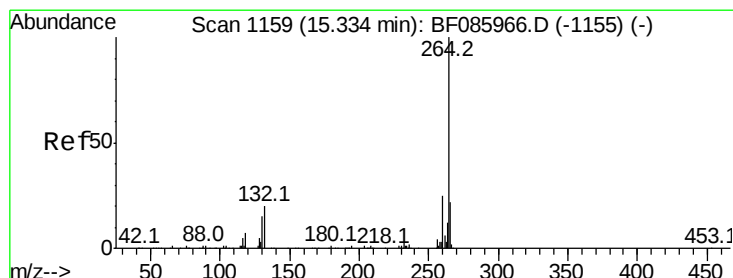
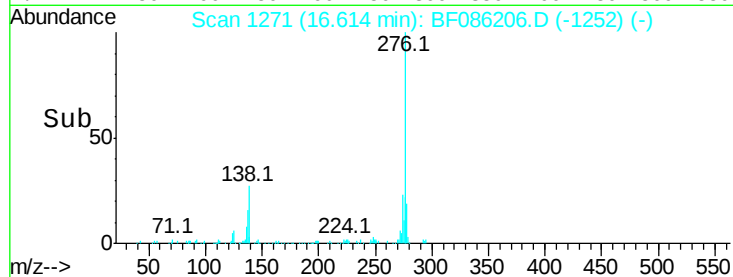
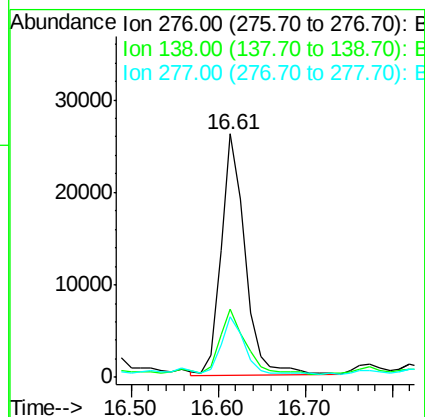
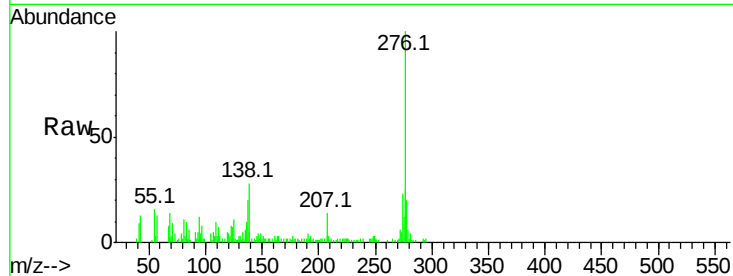
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.25 ng
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.08 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB1-0-6.0DL

Tot Ion:	276	Resp:	50839
Ion Ratio	Lower	Upper	
276	100		
138	29.8	24.2	36.4
277	22.6	20.0	30.0

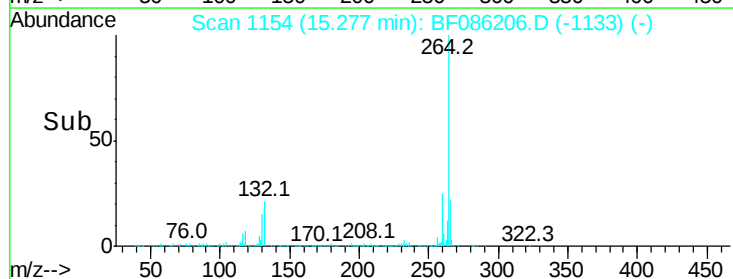
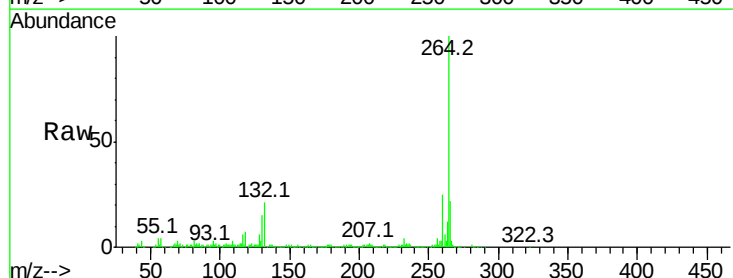
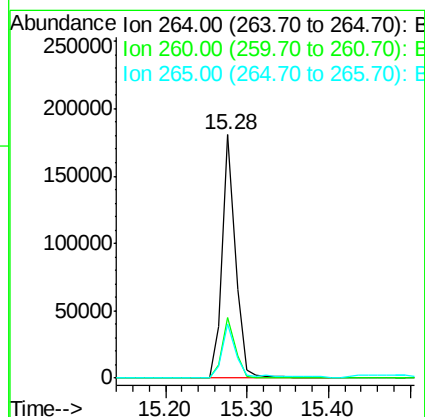
Manual Integrations
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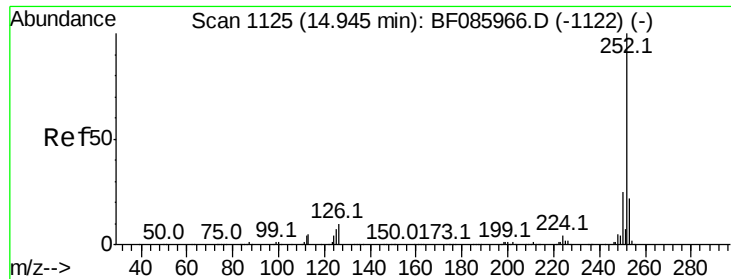
Sohil
 4/11/2016 5:45:33 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF086206.D
 Acq: 9 Apr 2016 9:02

Tgt Ion:	264	Resp:	205922
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.4	29.2
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.55 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF086206.D

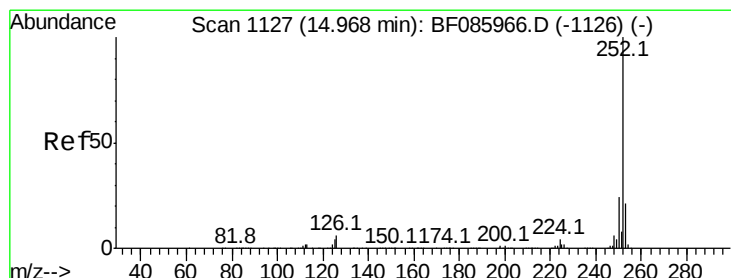
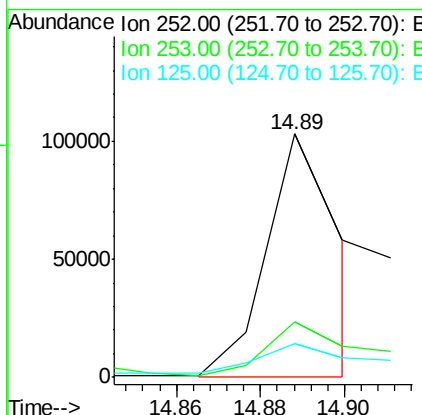
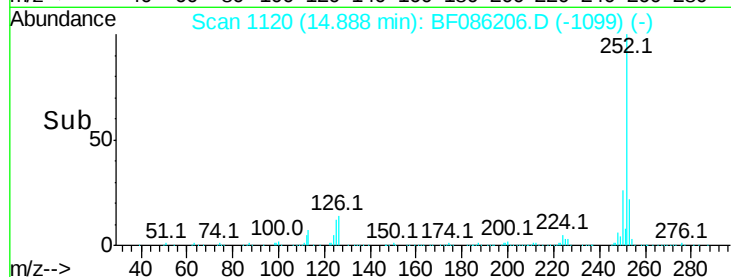
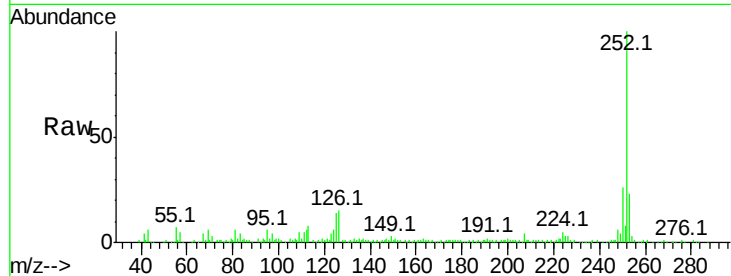
Acq: 9 Apr 2016 9:02

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	13.7	10.3	15.5

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.38 ng m

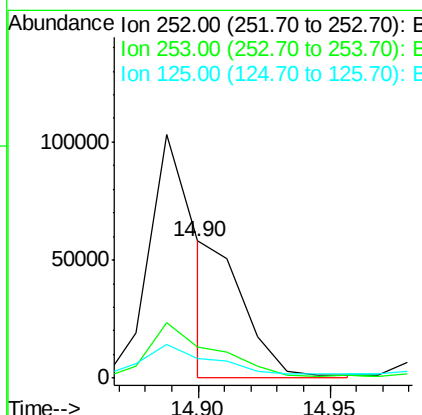
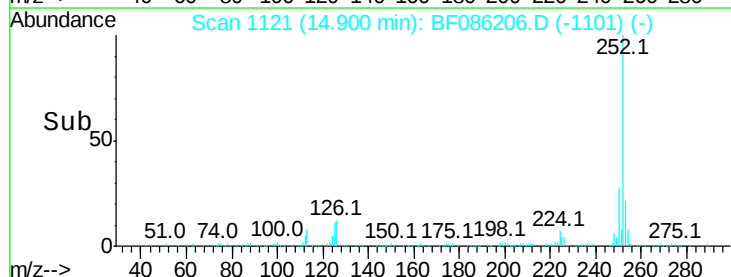
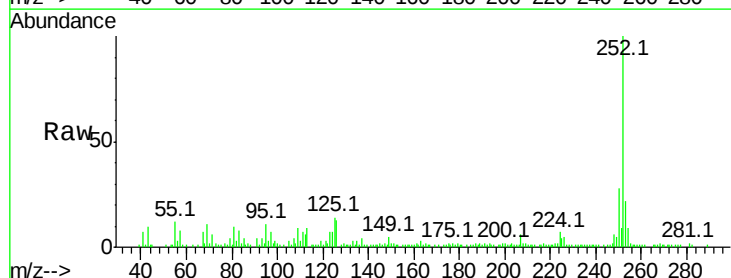
RT: 14.90 min Scan# 1121

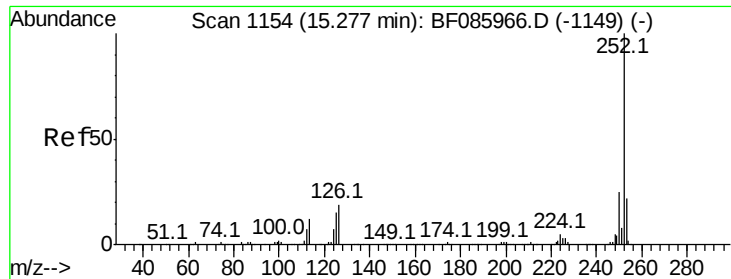
Delta R.T. -0.07 min

Lab File: BF086206.D

Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.9	7.7	11.5#





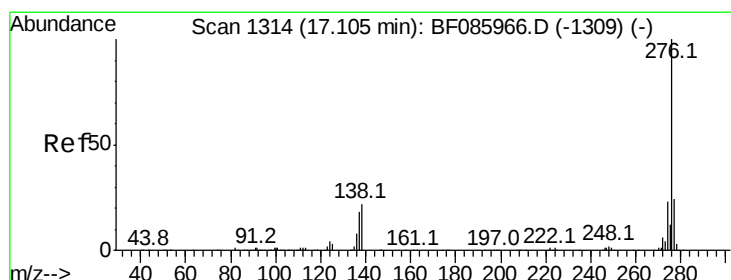
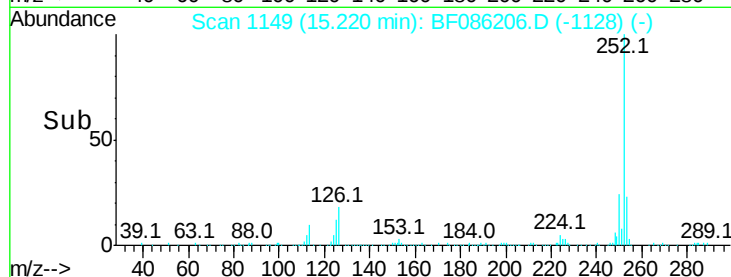
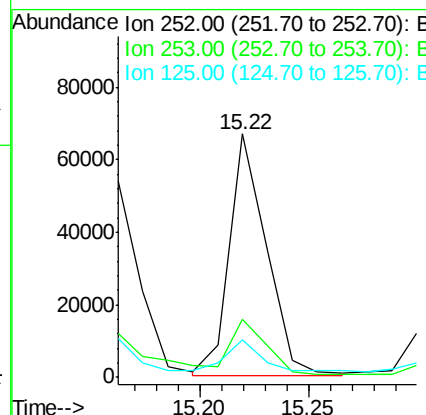
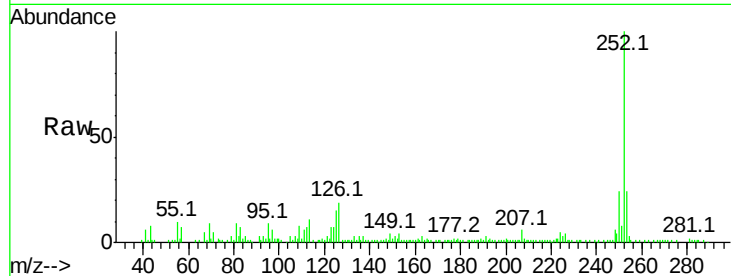
#89
Benzo(a)pyrene
Concen: 6.84 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.06 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB1-0-6.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	15.5	10.3	15.5

Manual Integrations
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4/11/2016 5:45:33 PM



#91
Benzo(g,h,i)perylene
Concen: 5.55 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.09 min
Lab File: BF086206.D
Acq: 9 Apr 2016 9:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	29.3	22.6	34.0

