

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
 Data File : BF086158.D
 Acq On : 8 Apr 2016 4:38
 Operator : UM/SJ
 Sample : H2310-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB2-0-6.0

Manual Integrations
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Sohil
 4/8/2016 6:09:30 PM

Quant Time: Apr 08 17:15:41 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	6.74	152	111765	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	462745	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	193880	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	329720	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	223426	20.00	ng	-0.03
86) Perylene-d12	15.30	264	232595	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	698287	106.79	ng	-0.03
7) Phenol-d6	6.38	99	899437	108.30	ng	-0.03
23) Nitrobenzene-d5	7.31	82	551793	70.32	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	175809	96.61	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	849386	72.84	ng	-0.05
78) Terphenyl-d14	12.84	244	618002	65.02	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.63	152	42724	2.20	ng	100
49) Dimethylphthalate	9.49	163	99368	6.91	ng	99
51) Acenaphthene	9.80	154	36497	3.16	ng	99
57) Fluorene	10.32	166	42928	3.30	ng	98
70) Phenanthrene	11.28	178	653193	36.31	ng	100
71) Anthracene	11.33	178	214001	11.36	ng	98
72) Carbazole	11.49	167	36836	2.27	ng	99
74) Fluoranthene	12.47	202	1041308	55.66	ng	98
77) Pyrene	12.69	202	902273	57.31	ng	99
80) Benzo(a)anthracene	13.88	228	537819	40.84	ng	97
82) Chrysene	13.92	228	334177	26.34	ng	98
85) Indeno(1,2,3-cd)pyrene	16.64	276	290641	28.24	ng	# 92
87) Benzo(b)fluoranthene	14.91	252	692997m	47.36	ng	
88) Benzo(k)fluoranthene	14.92	252	114297m	8.82	ng	
89) Benzo(a)pyrene	15.24	252	451437	34.82	ng	96
90) Dibenzo(a,h)anthracene	16.64	278	68920m	6.61	ng	
91) Benzo(a,h,i)perylene	17.05	276	265160	26.27	ng	95

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

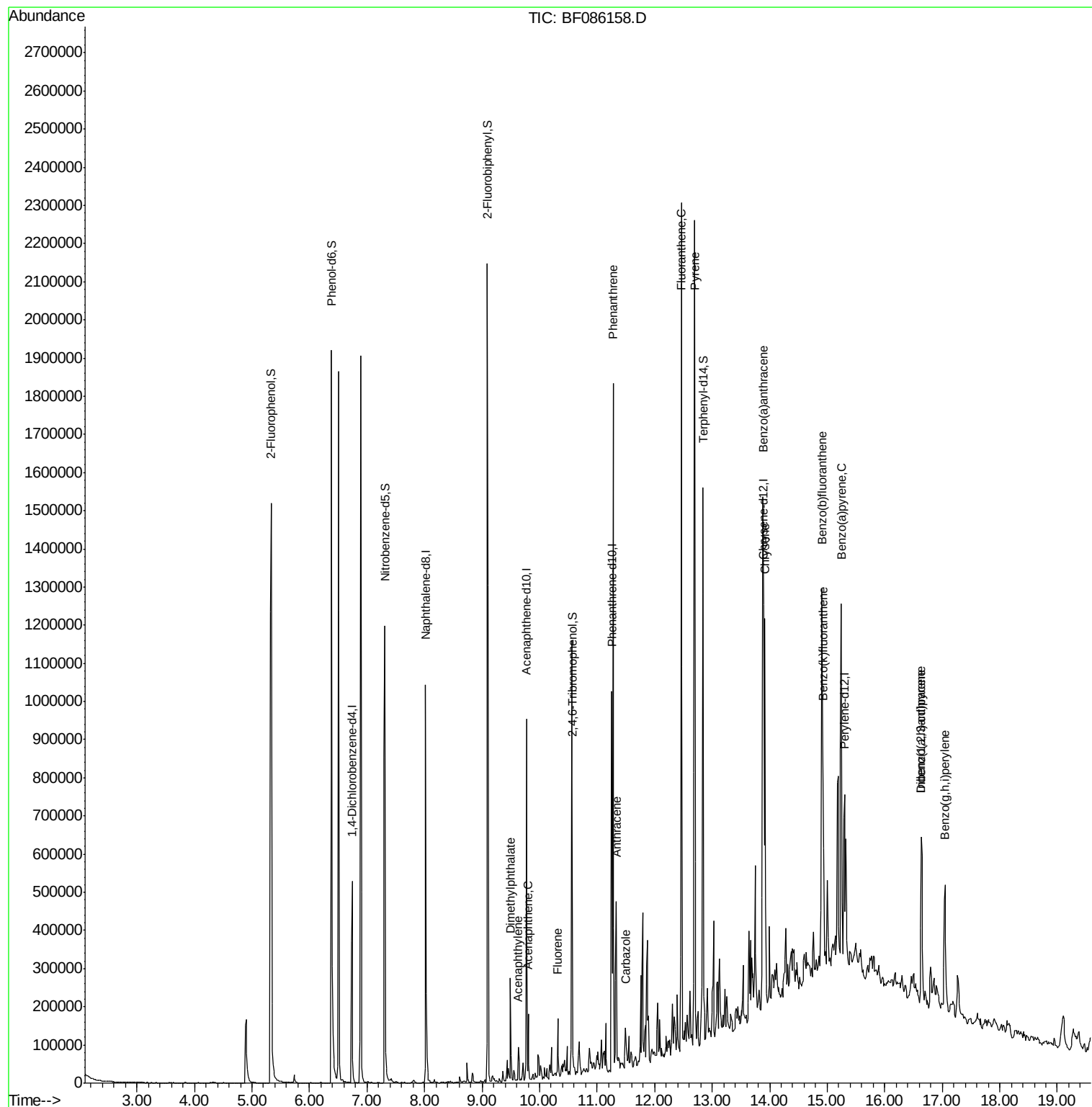
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
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ALS Vial : 35 Sample Multiplier: 1

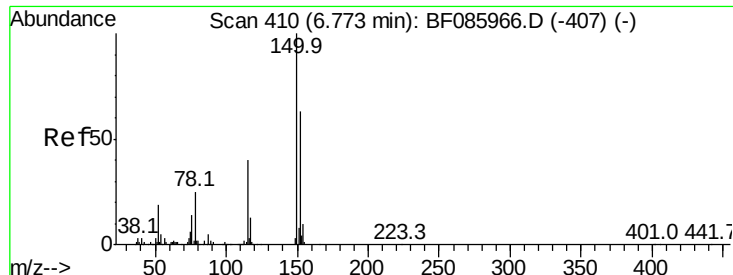
Instrument :
BNA_F
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PEDBR-SB2-0-6.0

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Quant Time: Apr 08 17:15:41 2016
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QLast Update : Fri Apr 01 23:17:06 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

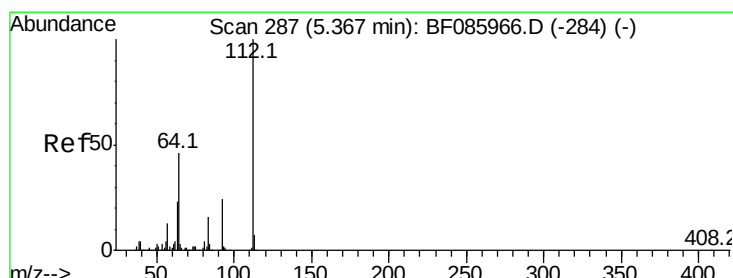
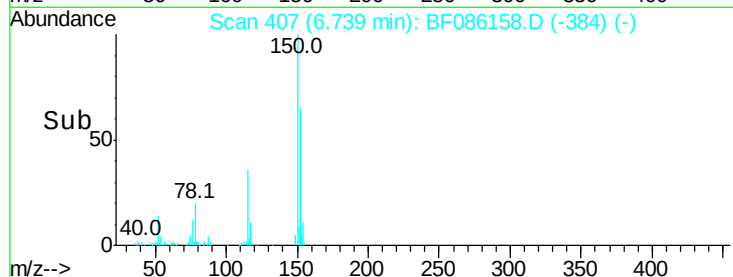
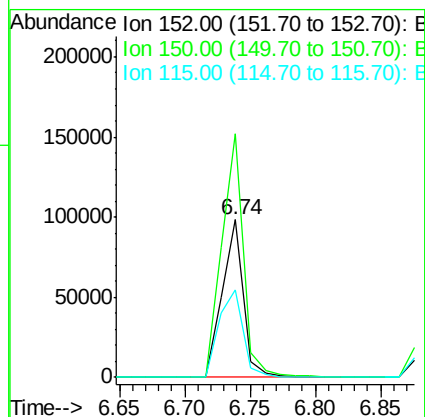
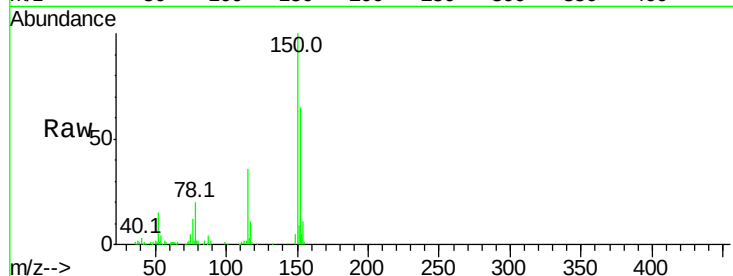
ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion:	152	Resp:	111765
Ion Ratio	Lower	Upper	
152	100		
150	154.4	124.2	186.2
115	55.2	47.0	70.6

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#5

2-Fluorophenol

Concen: 106.79 ng

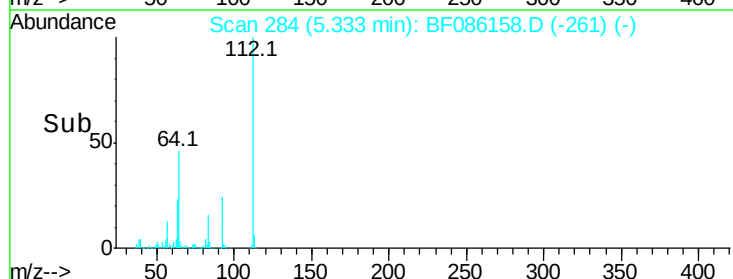
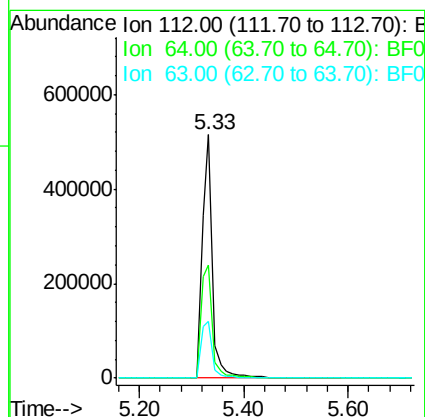
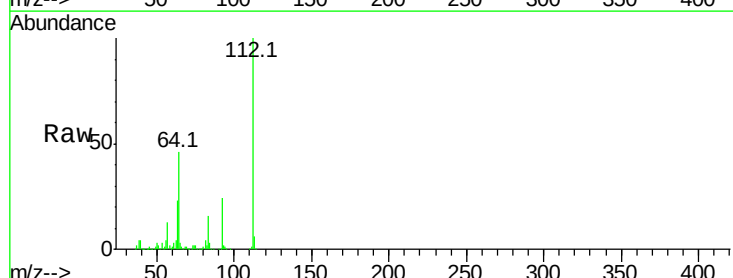
RT: 5.33 min Scan# 284

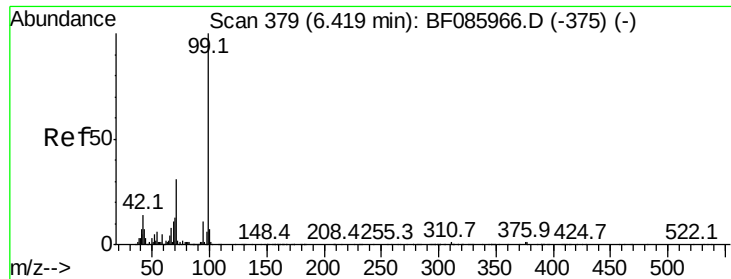
Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Tgt Ion:	112	Resp:	698287
Ion Ratio	Lower	Upper	
112	100		
64	46.3	39.9	59.9
63	23.4	20.2	30.2





#7

Phenol-d6

Concen: 108.30 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

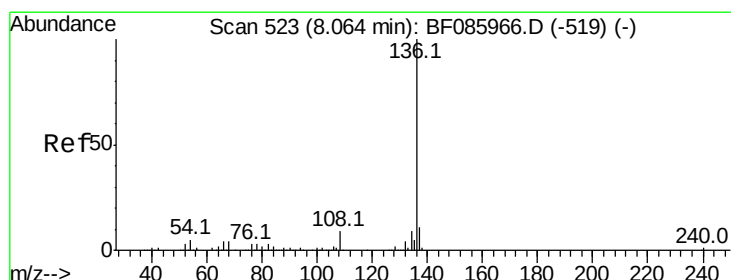
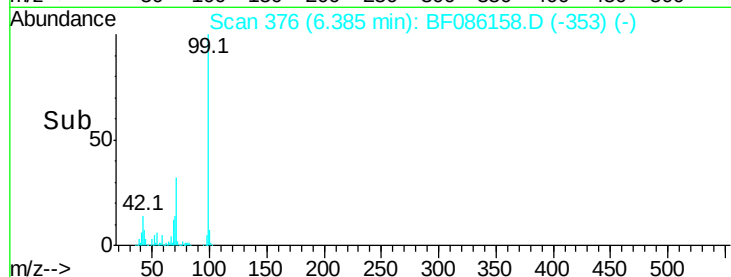
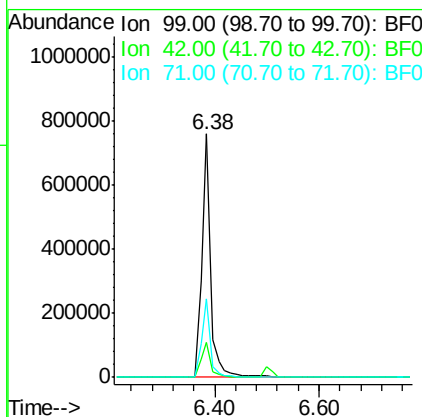
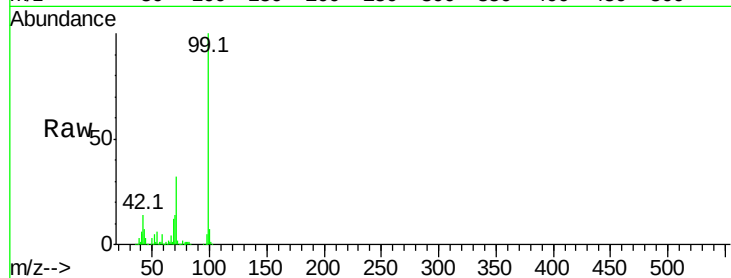
ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion:	99	Resp:	899437
Ion Ratio	Lower	Upper	
99	100		
42	14.3	11.1	16.7
71	32.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

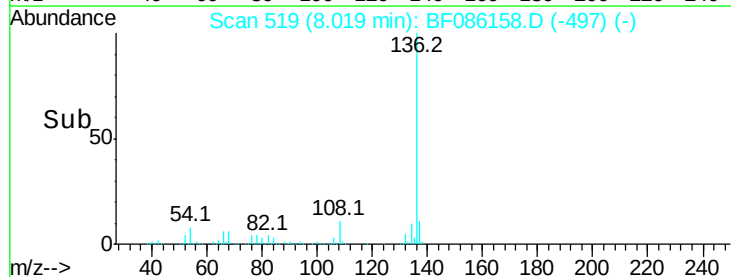
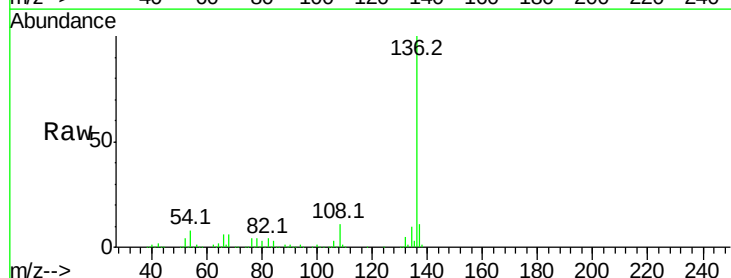
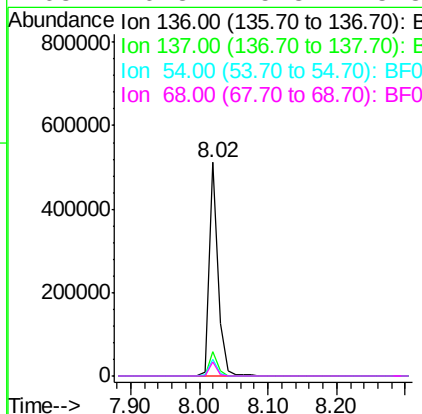
RT: 8.02 min Scan# 519

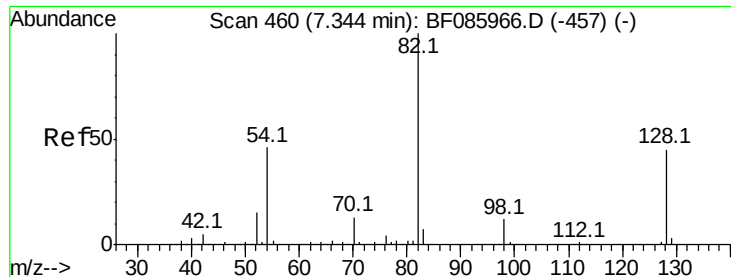
Delta R.T. -0.05 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Tgt Ion:	136	Resp:	462745
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.6	7.4	11.0
68	6.3	5.8	8.8





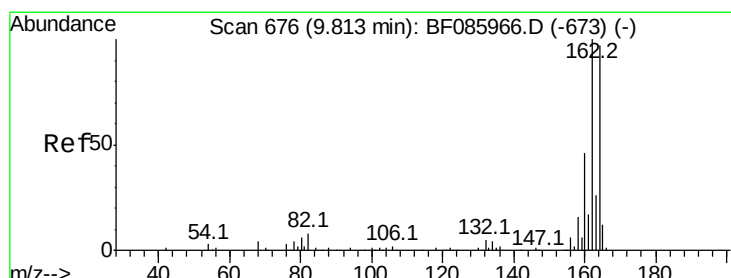
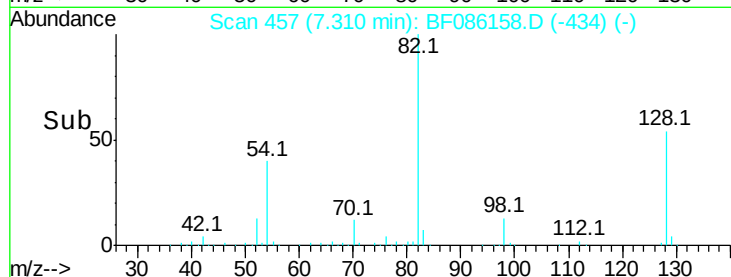
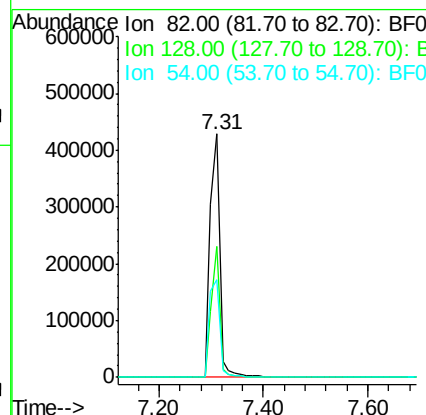
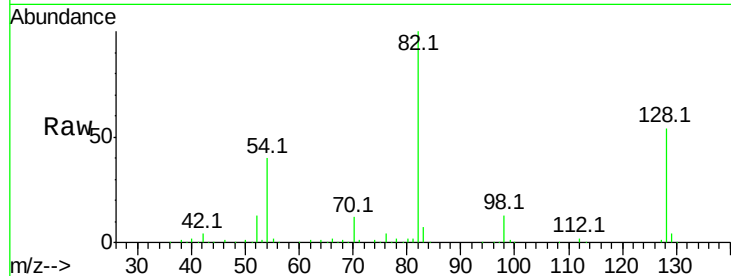
#23
 Nitrobenzene-d5
 Concen: 70.32 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB2-0-6.0

Tot Ion	Ratio	Resp	Lower	Upper
82	100	551793		
128	53.8	41.8	62.8	
54	39.9	33.4	50.0	

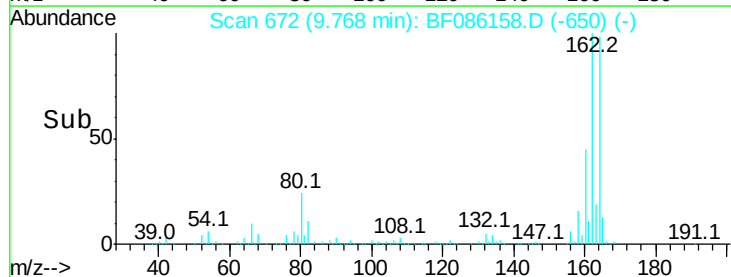
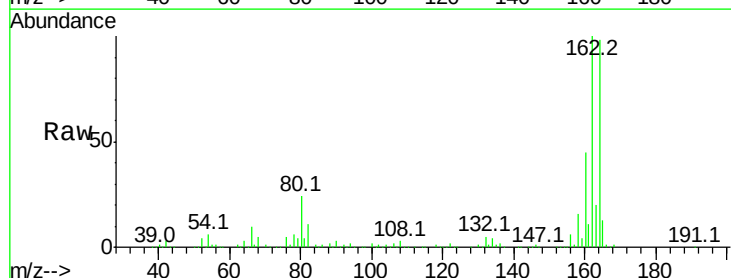
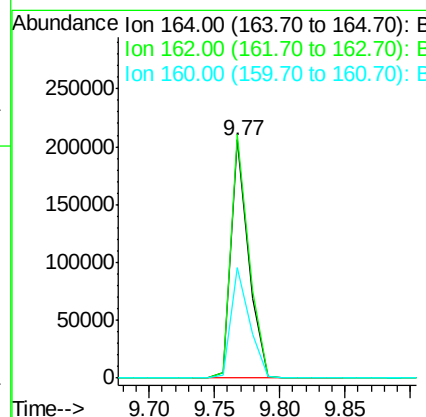
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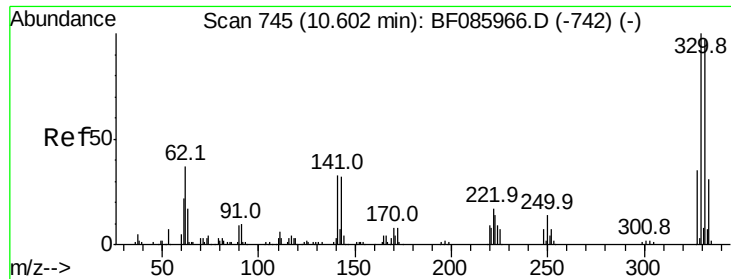
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.05 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193880		
162	102.2	82.1	123.1	
160	46.5	37.4	56.2	





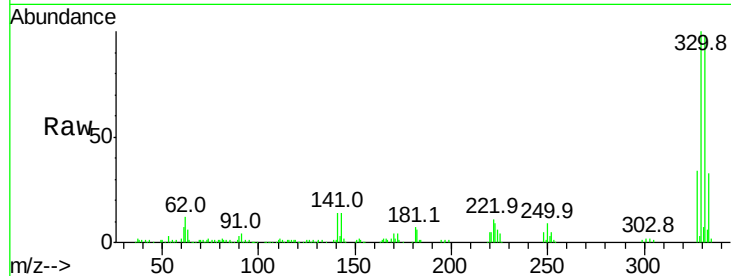
#41
 2,4,6-Tribromophenol
 Concen: 96.61 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB2-0-6.0

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	78.2	117.2	
141	36.7	31.5	47.3	

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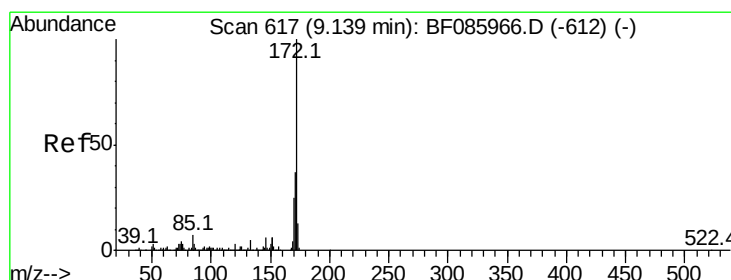
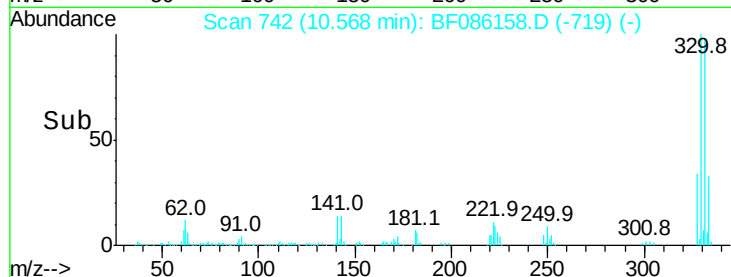
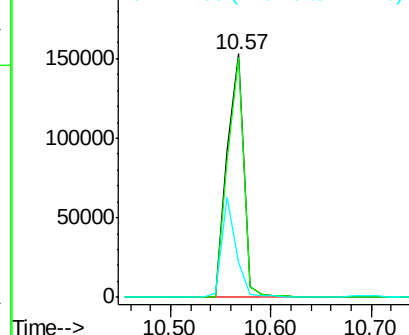


Abundance

Ion 329.80 (329.50 to 330.50): E

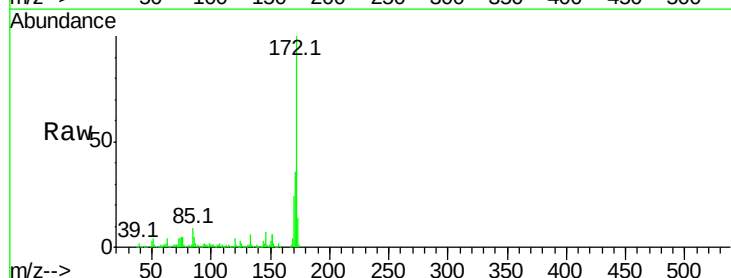
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.84 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.4	44.2	
170	24.3	19.8	29.6	

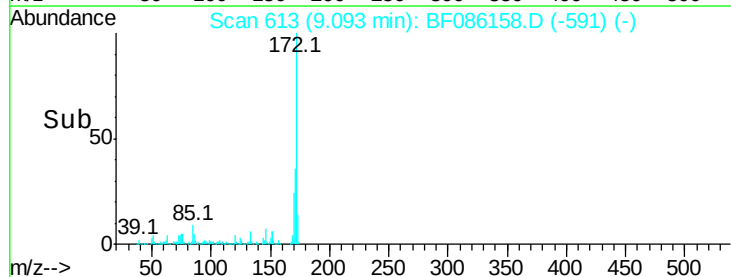
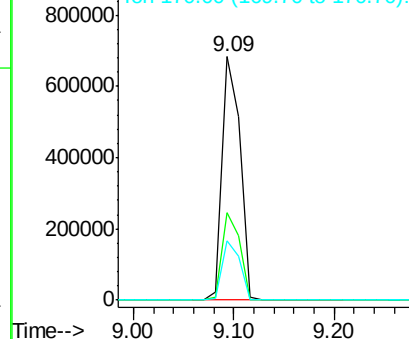


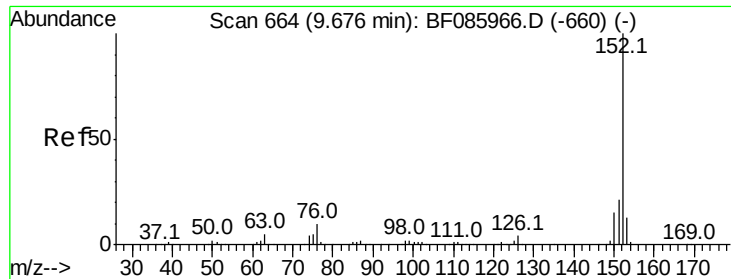
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.20 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

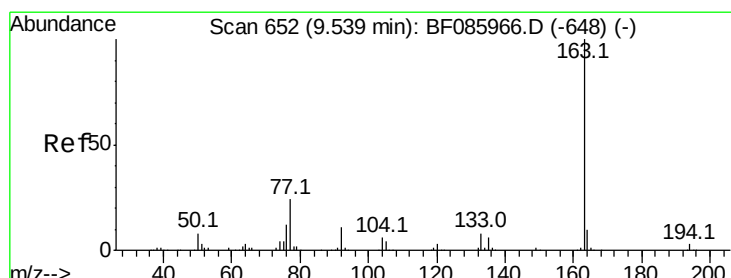
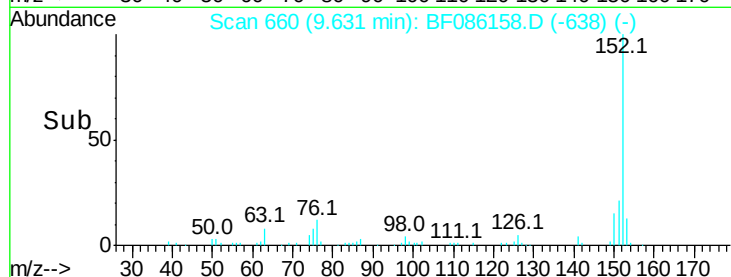
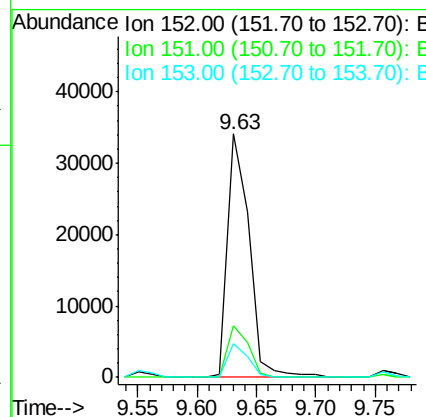
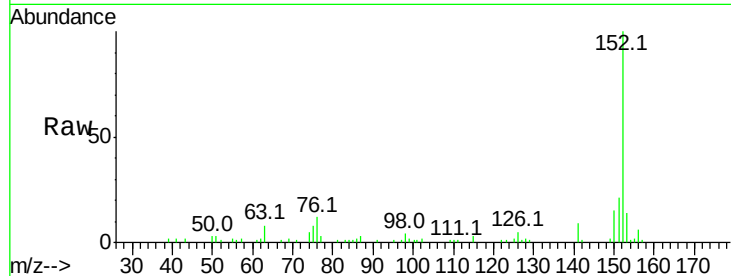
ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion:	152	Resp:	42724
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.8	25.2
153	13.9	10.9	16.3

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#49

Dimethylphthalate

Concen: 6.91 ng

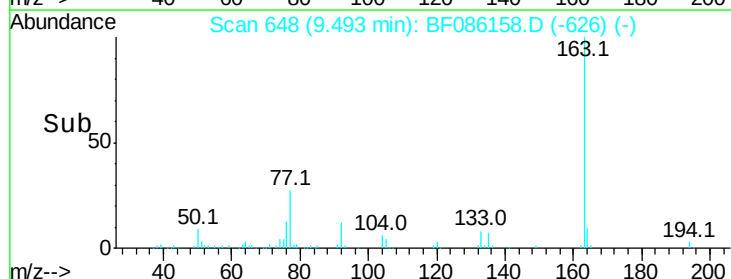
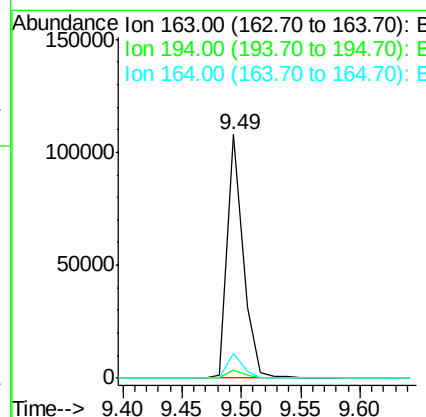
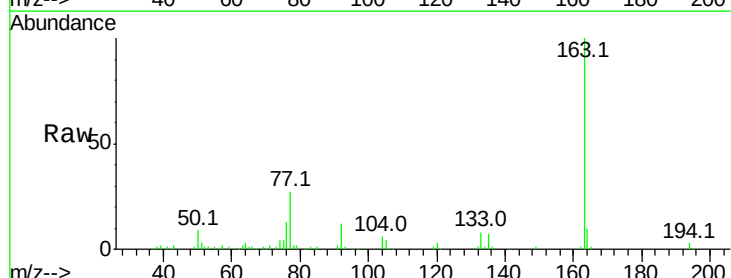
RT: 9.49 min Scan# 648

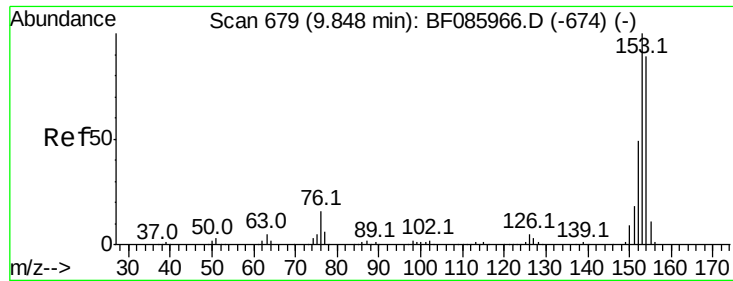
Delta R.T. -0.05 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Tgt Ion:	163	Resp:	99368
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.9	4.3
164	10.1	8.3	12.5





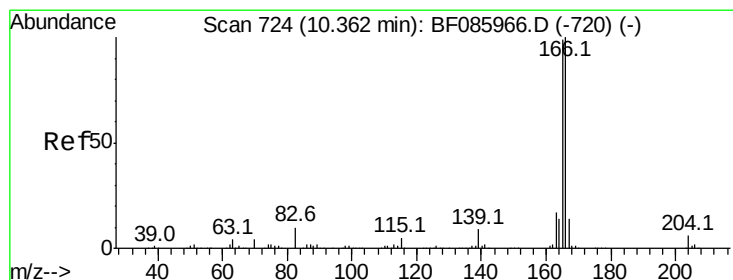
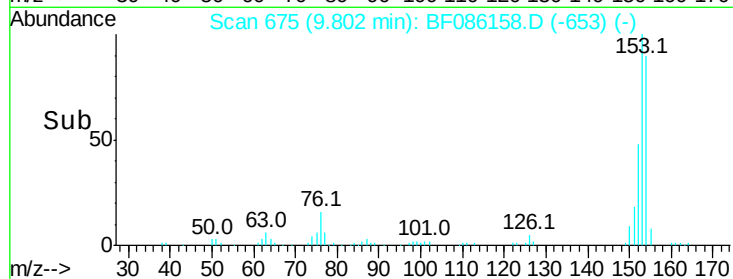
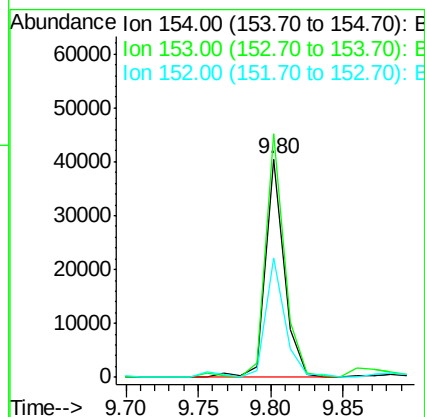
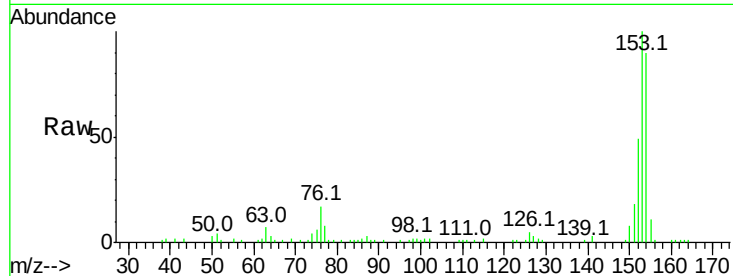
#51
Acenaphthene
Concen: 3.16 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.1	135.1
152	55.0	44.2	66.2

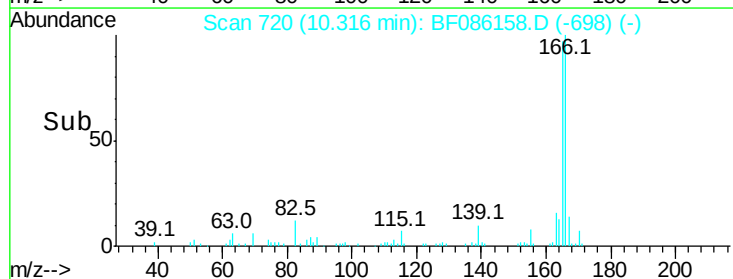
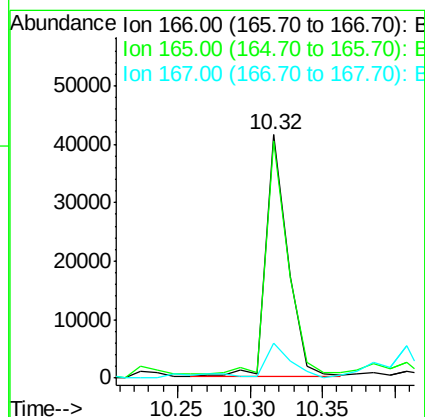
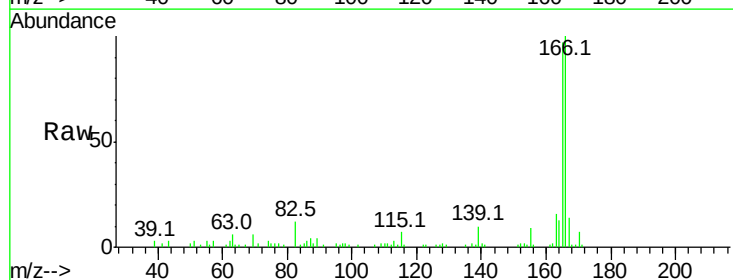
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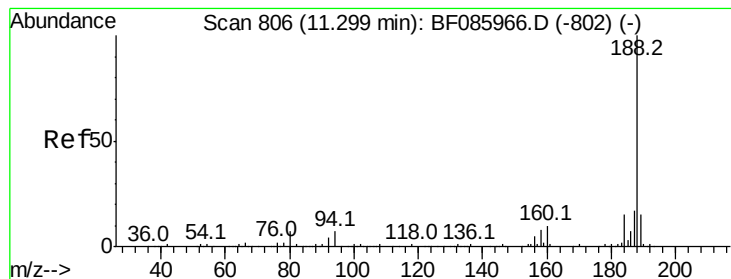
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#57
Fluorene
Concen: 3.30 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.05 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.4	119.0
167	14.3	11.0	16.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion:188 Resp: 329720

Ion Ratio Lower Upper

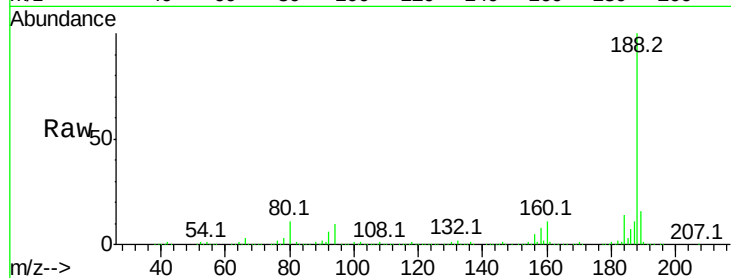
188 100

94 10.1 5.4 8.0#

80 10.7 5.5 8.3#

Manual Integrations
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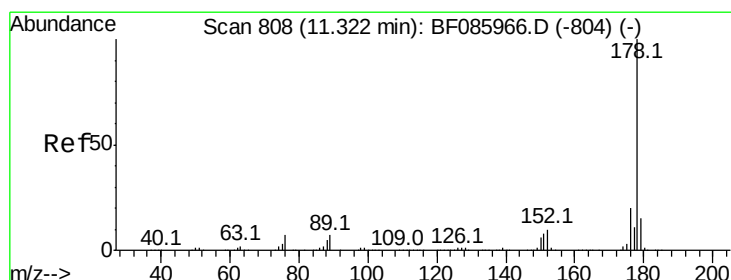
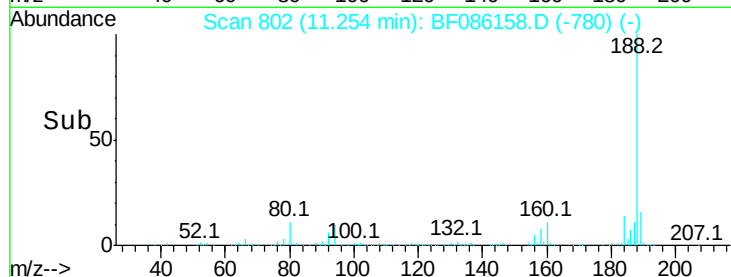
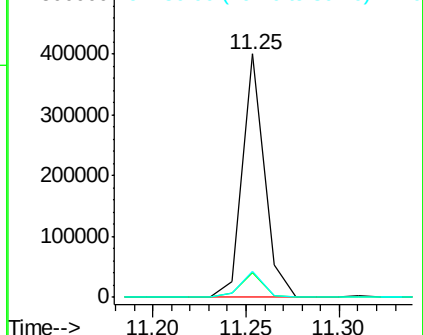
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 36.31 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

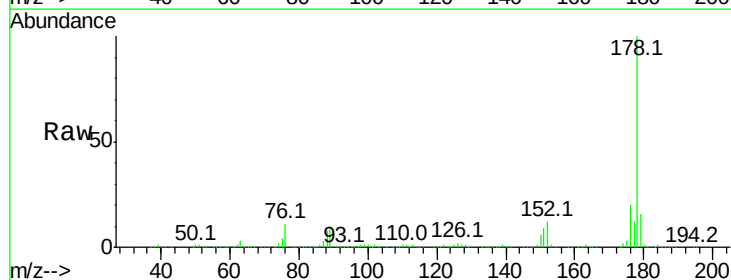
Tgt Ion:178 Resp: 653193

Ion Ratio Lower Upper

178 100

176 20.3 16.3 24.5

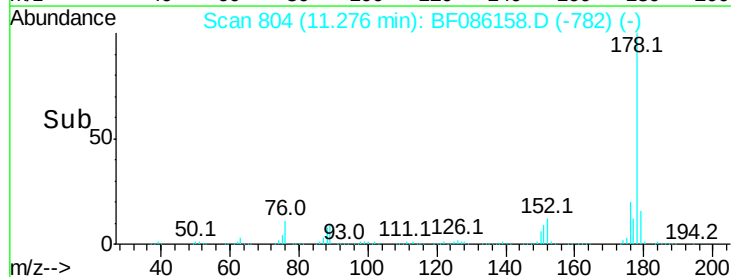
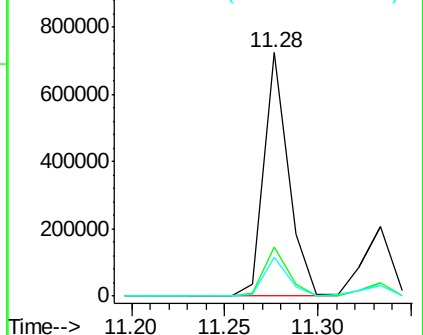
179 16.0 12.6 18.8

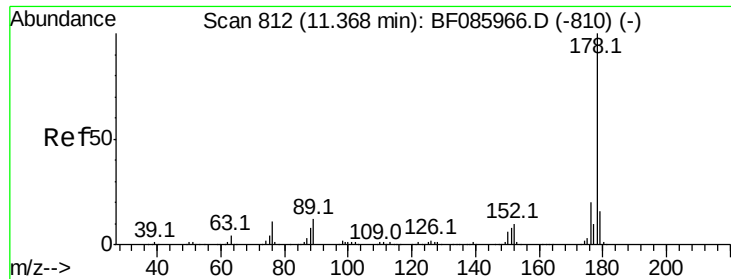


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





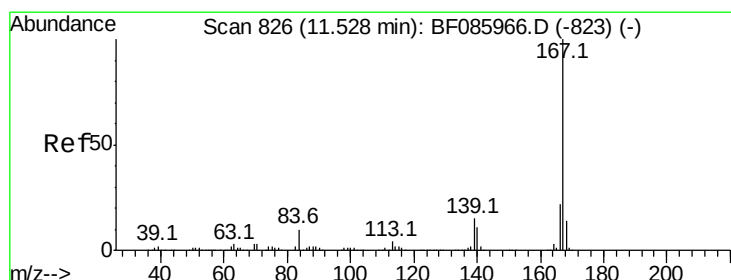
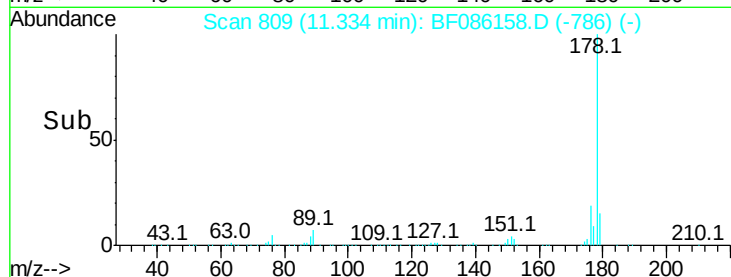
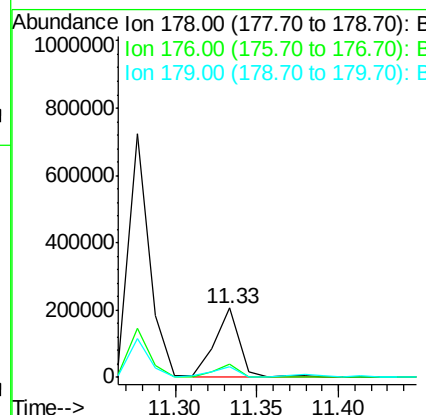
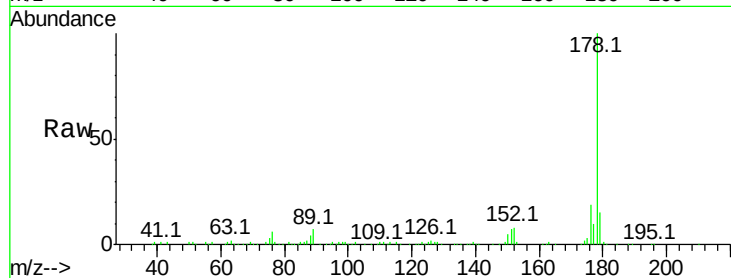
#71
 Anthracene
 Concen: 11.36 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	14.9	13.0	19.4

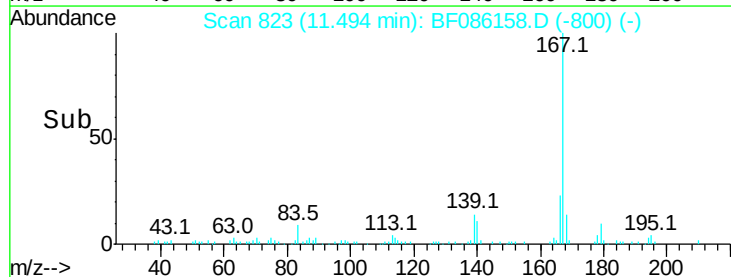
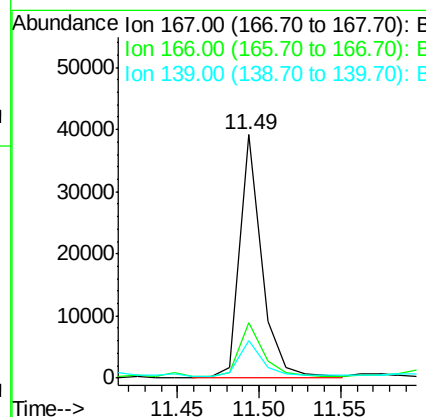
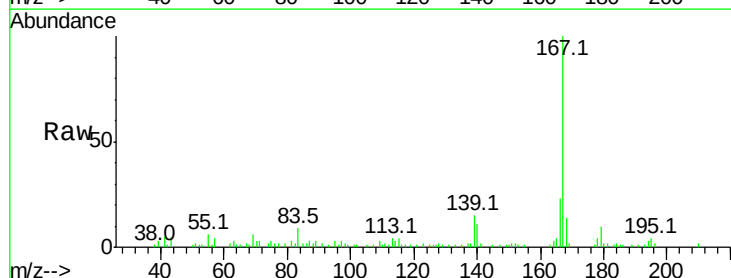
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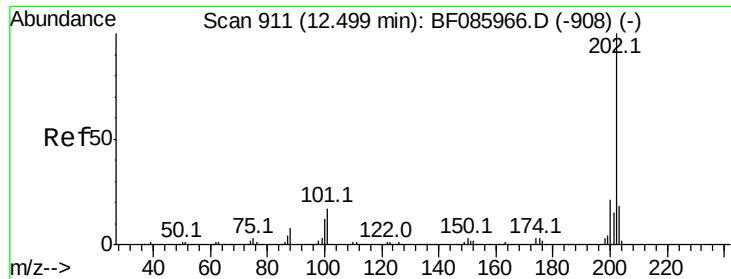
Sohil
 4/8/2016 6:09:30 PM



#72
 Carbazole
 Concen: 2.27 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: BF086158.D
 Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.8	26.8
139	15.2	11.6	17.4





#74

Fluoranthene

Concen: 55.66 ng

RT: 12.47 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

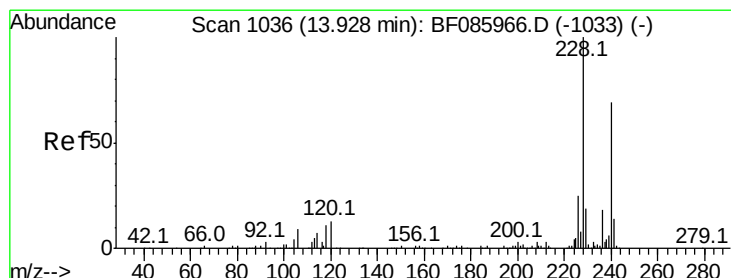
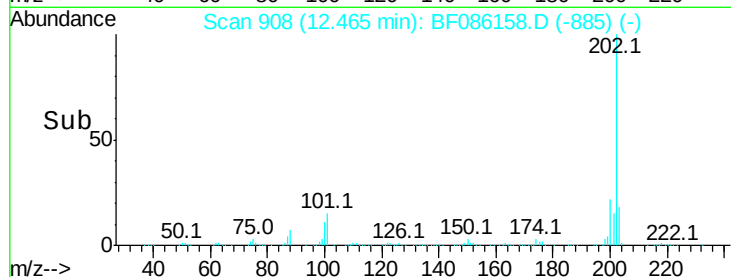
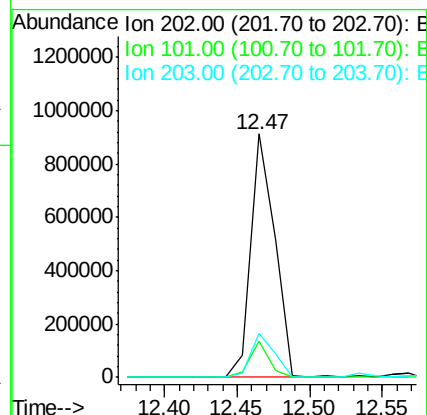
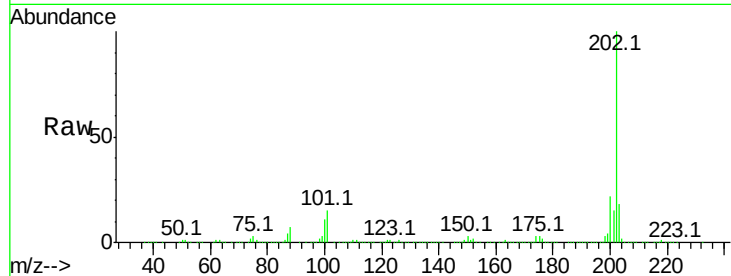
ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	36.6
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

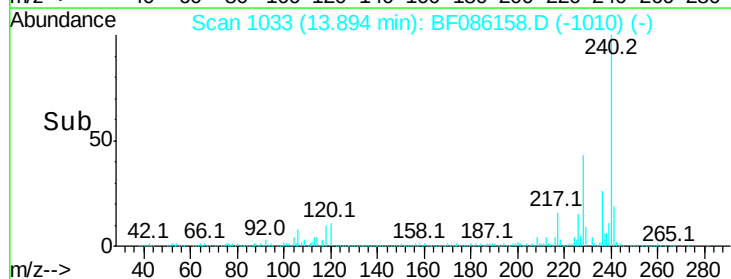
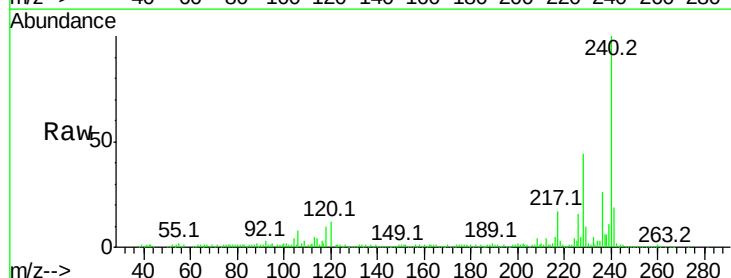
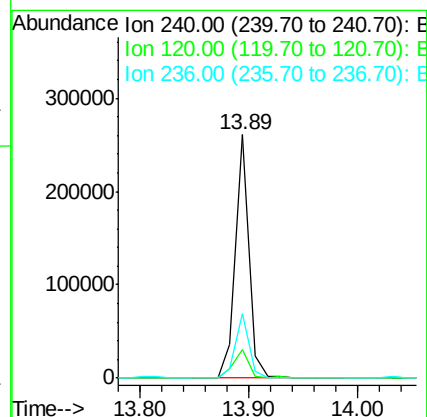
RT: 13.89 min Scan# 1033

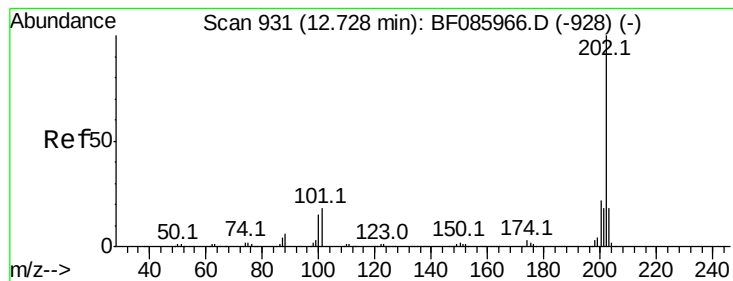
Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	13.8	20.8#
236	26.4	20.6	30.8





#77

Pvrene

Concen: 57.31 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

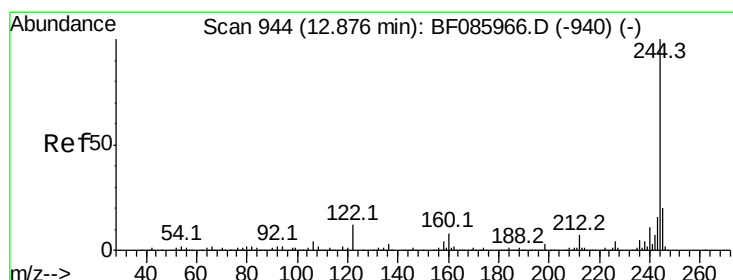
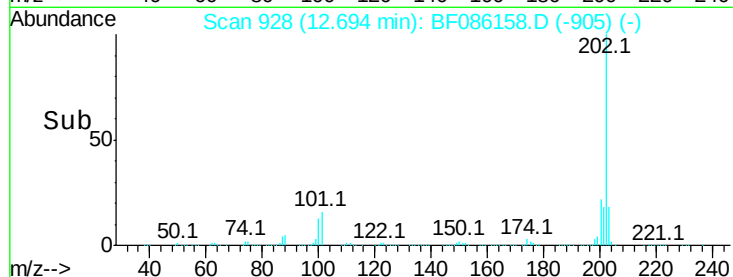
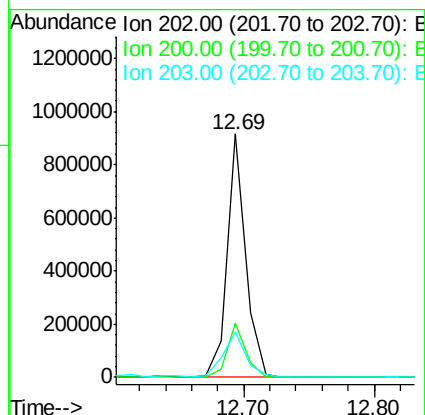
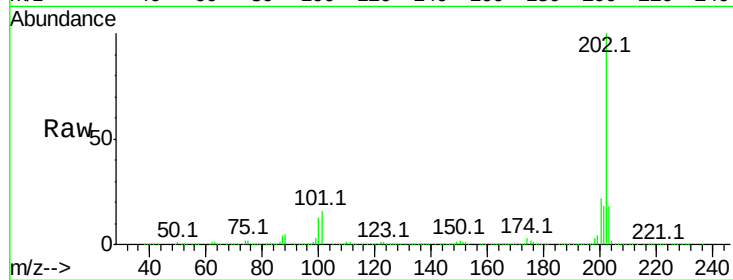
ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.3	17.6	26.4	
203	18.4	14.0	21.0	

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#78

Terphenyl-d14

Concen: 65.02 ng

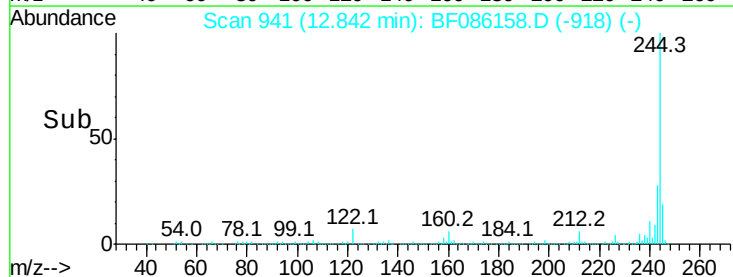
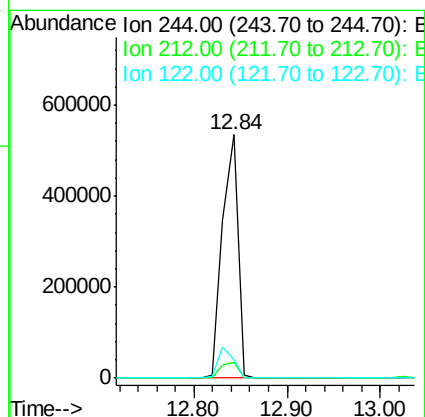
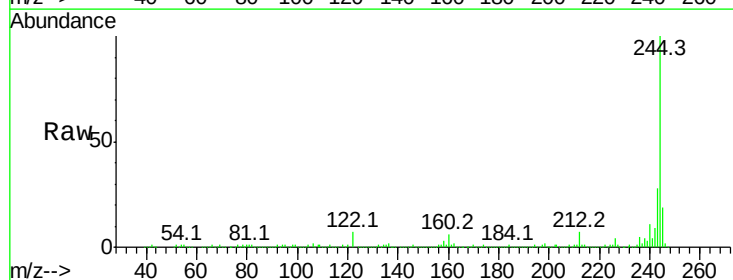
RT: 12.84 min Scan# 941

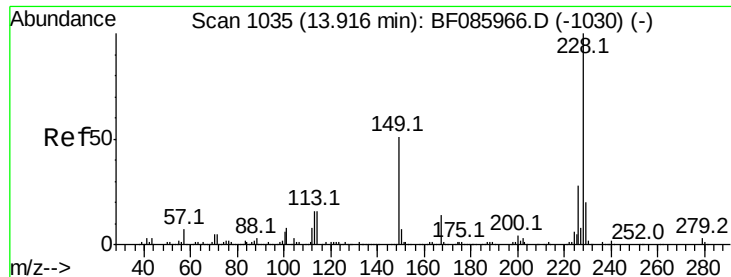
Delta R.T. -0.03 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	6.1	9.1	
122	7.5	10.2	15.4	





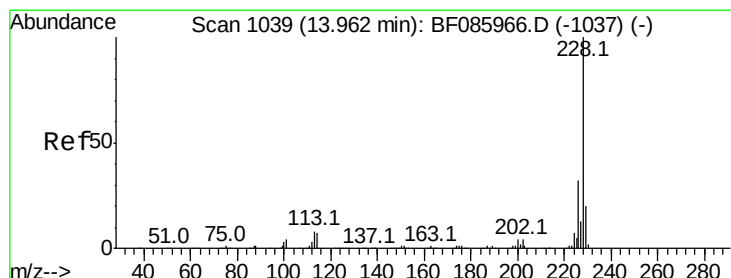
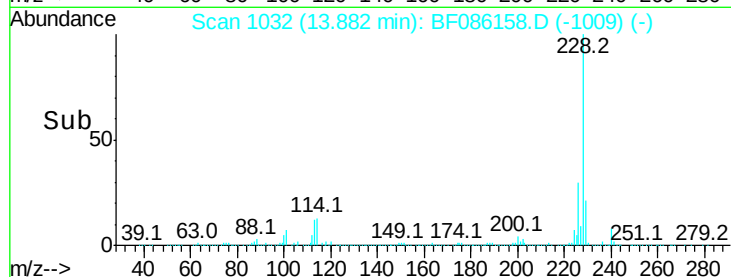
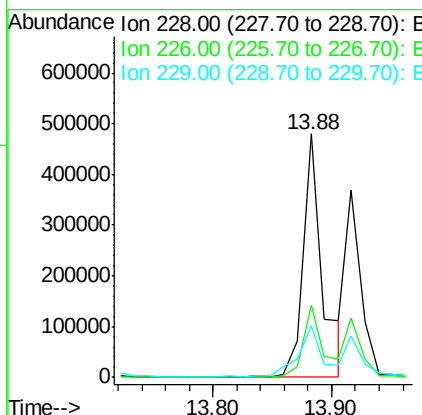
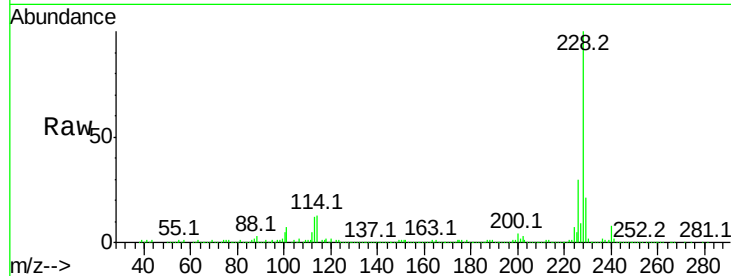
#80
Benzo(a)anthracene
Concen: 40.84 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	21.0	16.2	24.4

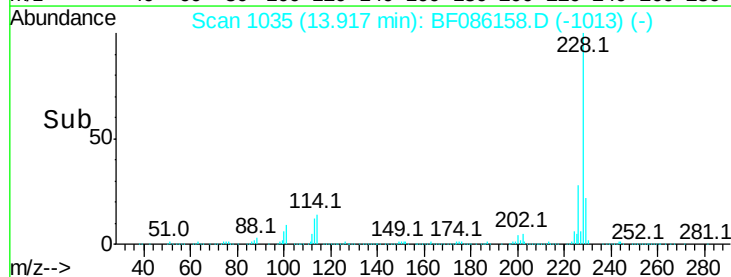
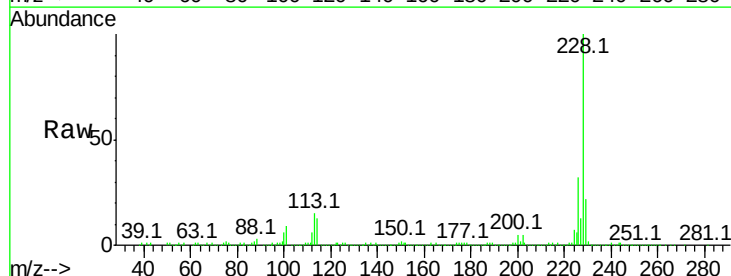
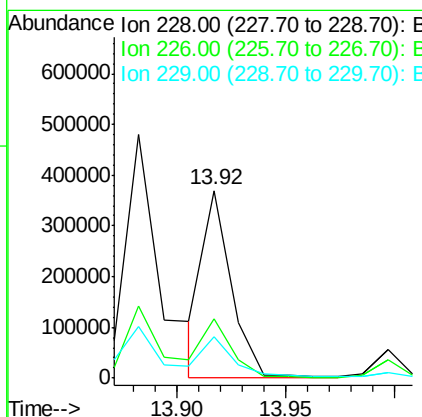
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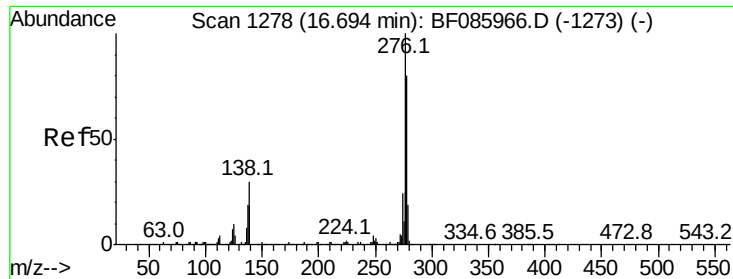
Sohil
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#82
Chrysene
Concen: 26.34 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	21.9	15.7	23.5





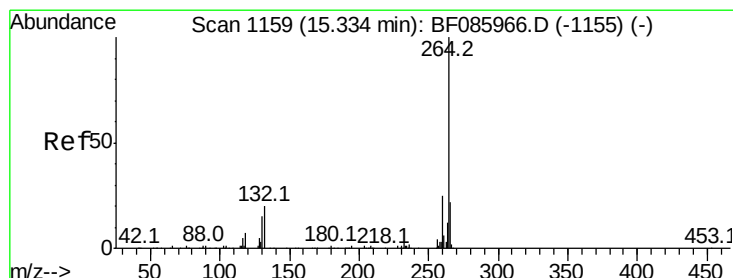
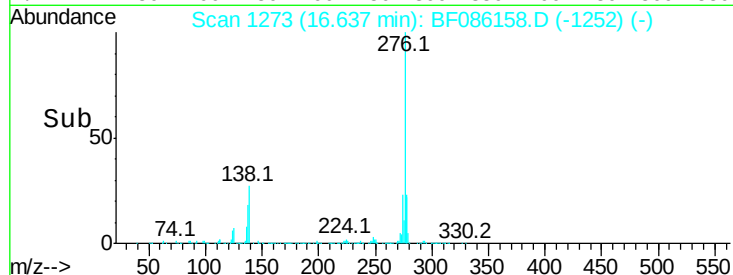
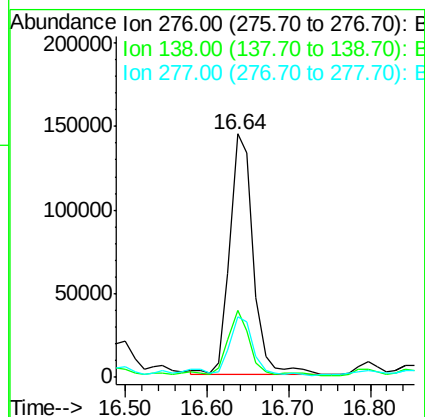
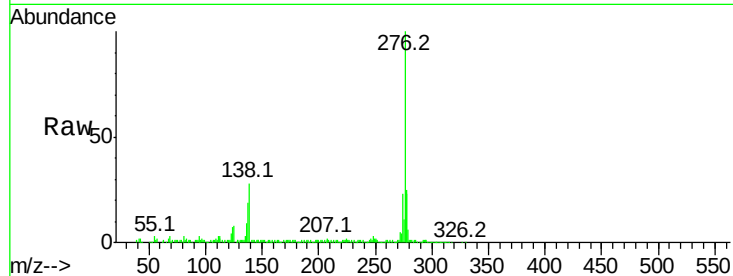
#85
Indeno(1,2,3-cd)pyrene
Concen: 28.24 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.06 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB2-0-6.0

Tot Ion	Ratio	Resp	Lower	Upper
276	100	290641		
138	23.9	24.2	36.4#	
277	23.8	20.0	30.0	

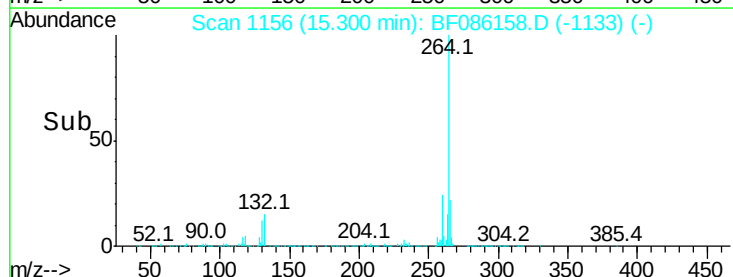
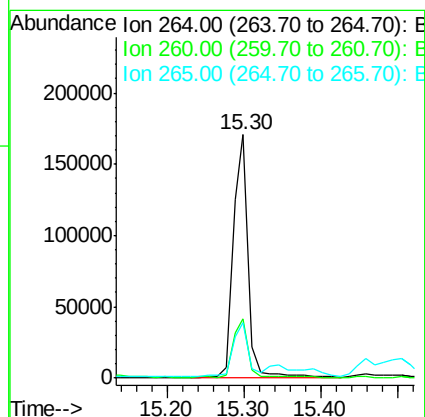
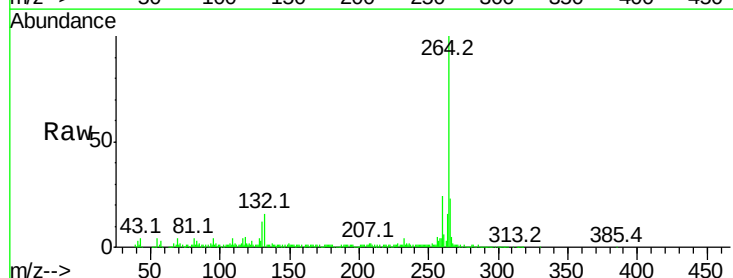
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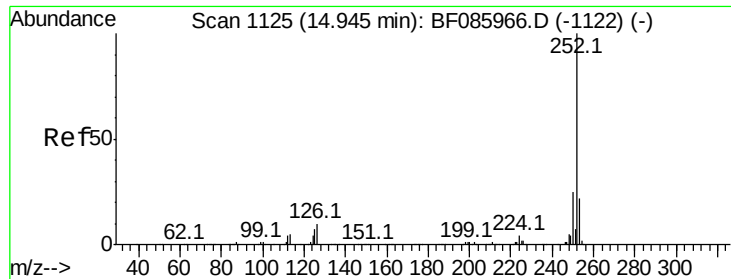
Sohil
4/8/2016 6:09:30 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	232595		
260	24.4	19.4	29.2	
265	22.8	17.2	25.8	





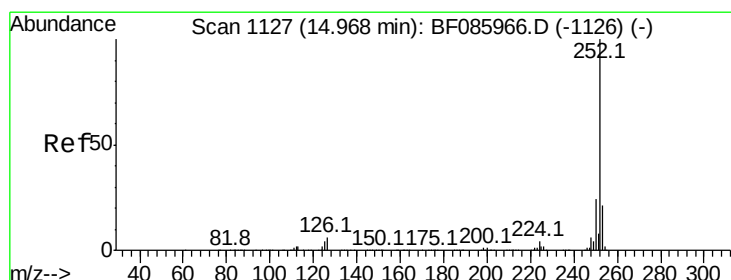
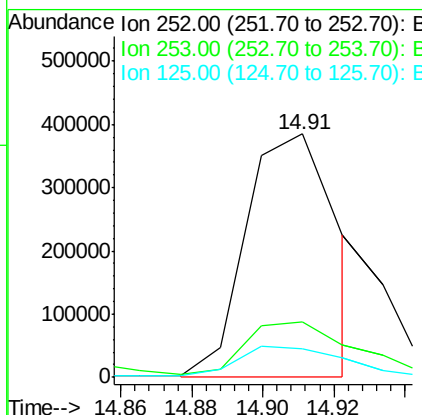
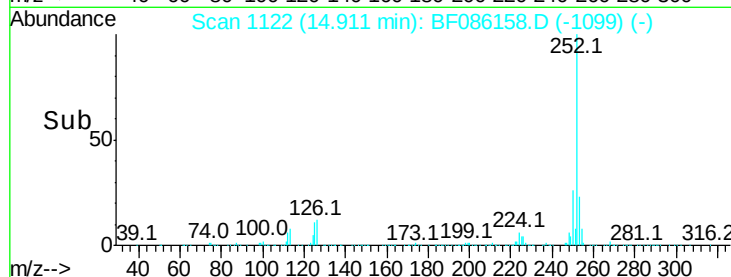
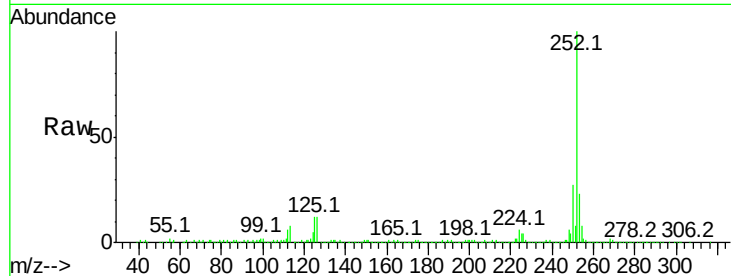
#87
Benzo(b)fluoranthene
Concen: 47.36 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.9	10.3	15.5

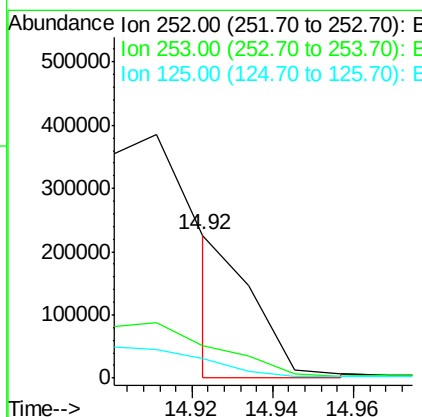
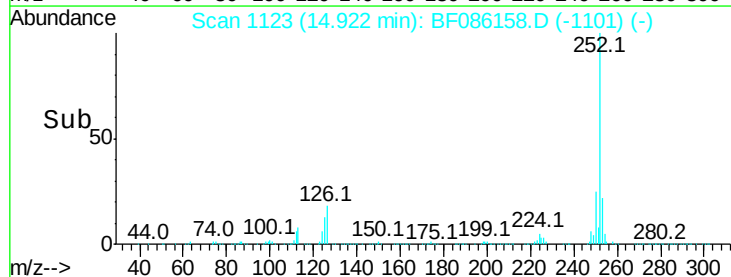
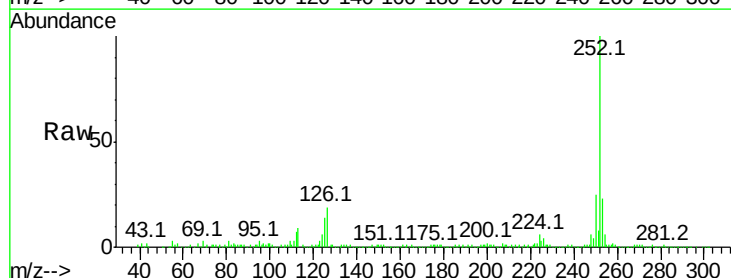
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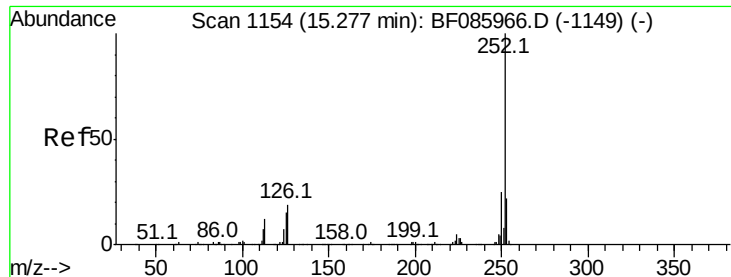
Sohil
4/8/2016 6:09:30 PM



#88
Benzo(k)fluoranthene
Concen: 8.82 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.05 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	13.8	7.7	11.5#





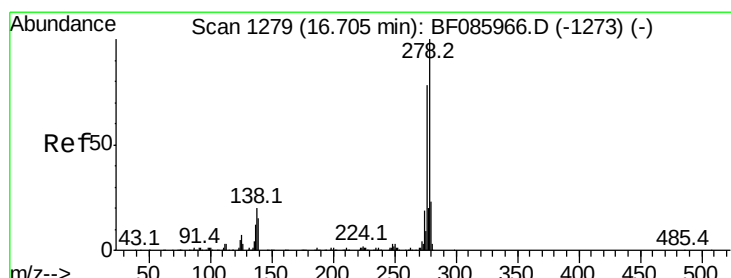
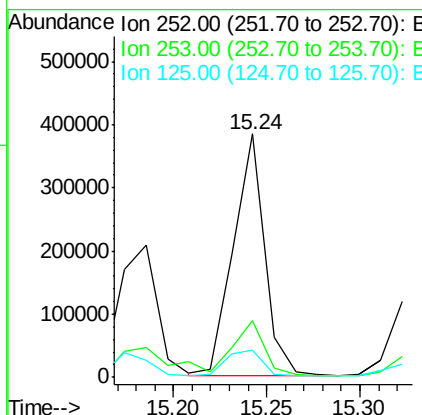
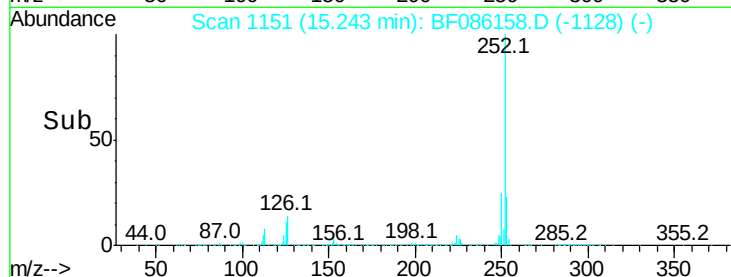
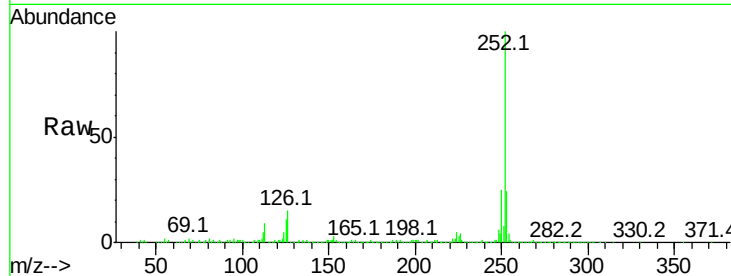
#89
Benzo(a)pyrene
Concen: 34.82 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB2-0-6.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	11.0	10.3	15.5

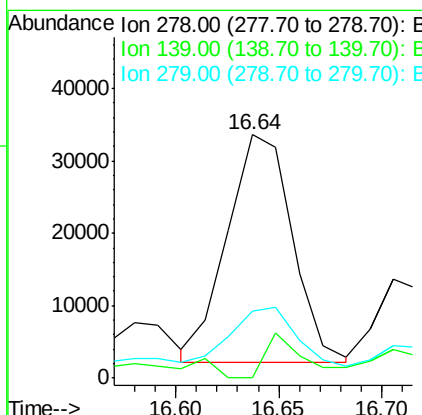
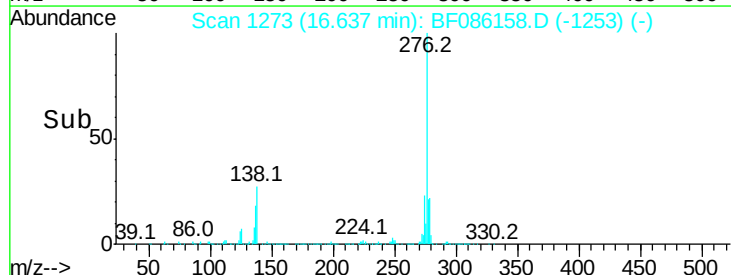
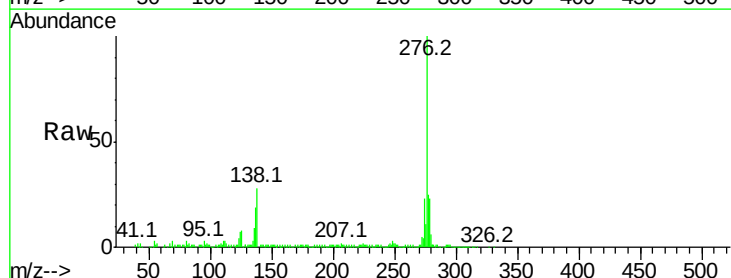
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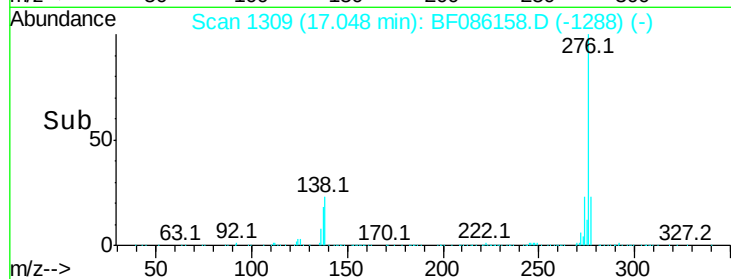
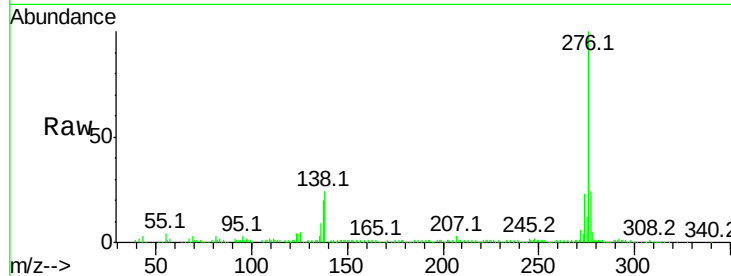
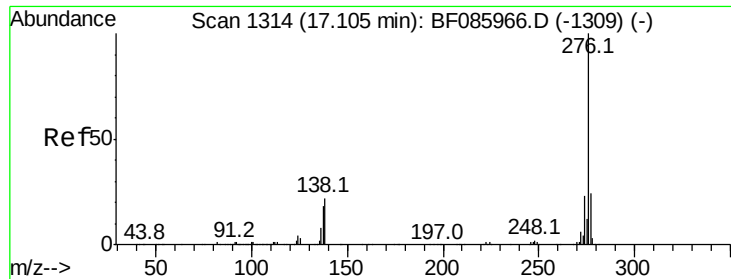
Sohil
4/8/2016 6:09:30 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.61 ng m
RT: 16.64 min Scan# 1273
Delta R.T. -0.07 min
Lab File: BF086158.D
Acq: 8 Apr 2016 4:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.4	21.6#
279	27.5	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 26.27 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.06 min

Lab File: BF086158.D

Acq: 8 Apr 2016 4:38

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB2-0-6.0

Tot Ion:	276	Resp:	265160
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	24.4	22.6	34.0

Manual Integrations
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