

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085297.D
 Acq On : 9 Mar 2016 10:41
 Operator : UM/SJ
 Sample : H1675-07RE 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)RE

Manual Integrations
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Quant Time: Mar 09 12:13:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	87823	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	316283	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	129529	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	206096	20.00	ng	-0.02
75) Chrysene-d12	14.13	240	173113	20.00	ng	-0.02
86) Perylene-d12	15.60	264	173124	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	208903	39.90	ng	-0.01
7) Phenol-d6	6.58	99	263403	38.40	ng	-0.02
23) Nitrobenzene-d5	7.52	82	165443	27.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	17755	16.02	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	264313	31.03	ng	-0.02
78) Terphenyl-d14	13.08	244	175278	23.50	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.26	128	38700	2.49	ng	96
49) Dimethylphthalate	9.72	163	42579	4.28	ng	99
51) Acenaphthene	10.04	154	54327	6.82	ng	99
54) Dibenzofuran	10.21	168	40816	3.91	ng	97
57) Fluorene	10.55	166	41975	5.12	ng	99
70) Phenanthrene	11.51	178	478512	44.30	ng	98
71) Anthracene	11.57	178	149934	13.08	ng	97
72) Carbazole	11.72	167	60413	6.01	ng	97
74) Fluoranthene	12.71	202	785247	72.44	ng	94
77) Pyrene	12.94	202	749337	57.51	ng	97
80) Benzo(a)anthracene	14.12	228	431815	41.67	ng	99
82) Chrysene	14.15	228	304743	31.83	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	144883	19.39	ng	# 89
87) Benzo(b)fluoranthene	15.18	252	531220m	46.04	ng	
88) Benzo(k)fluoranthene	15.20	252	143114m	15.38	ng	
89) Benzo(a)pyrene	15.53	252	304614	31.86	ng	# 91
90) Dibenzo(a,h)anthracene	17.08	278	35464m	4.34	ng	
91) Benzo(g,h,i)perylene	17.51	276	127128	15.49	ng	99

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

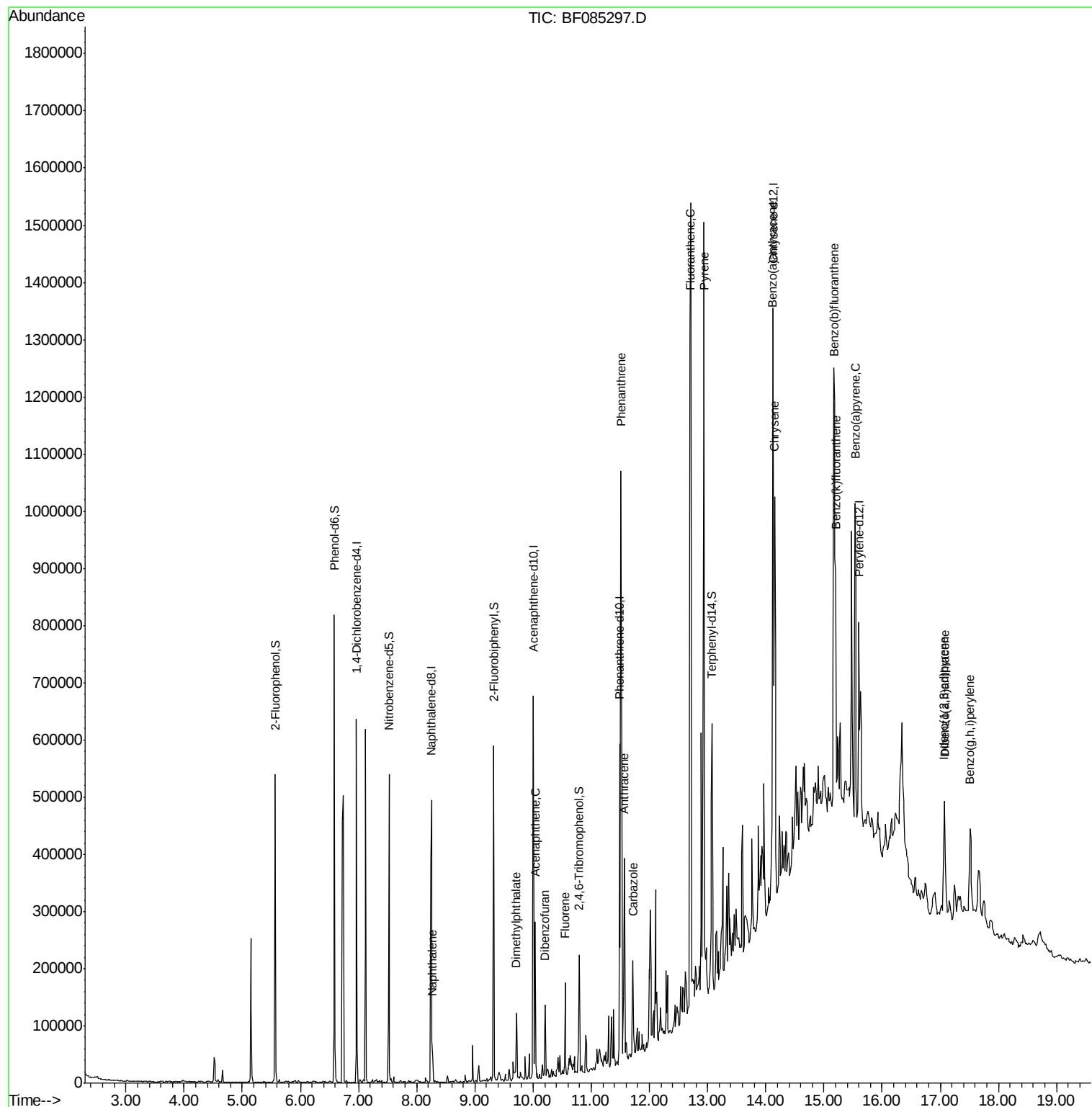
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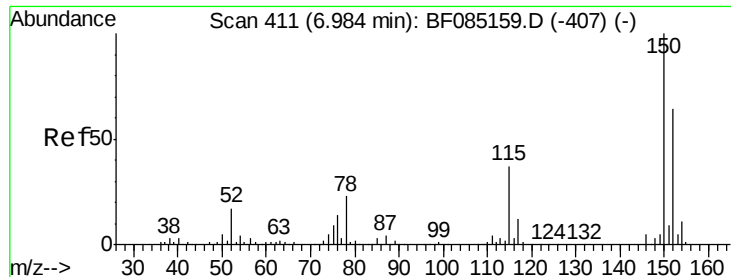
Instrument :
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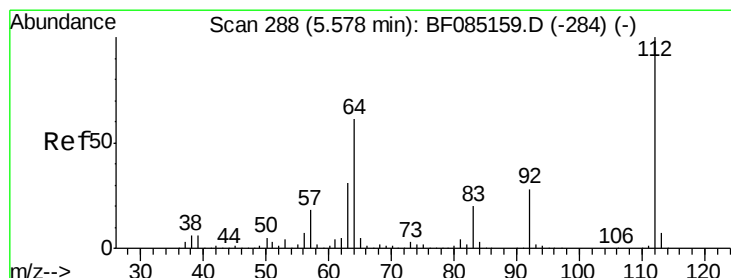
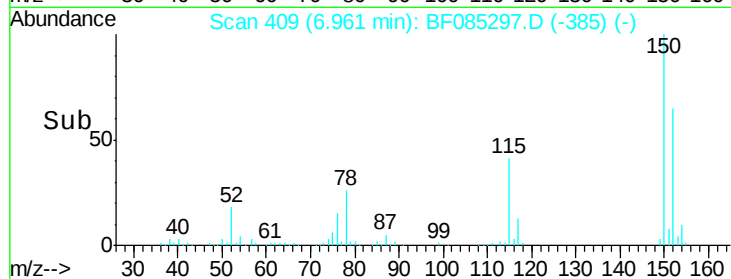
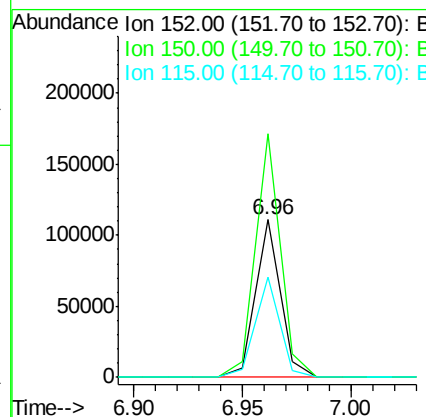
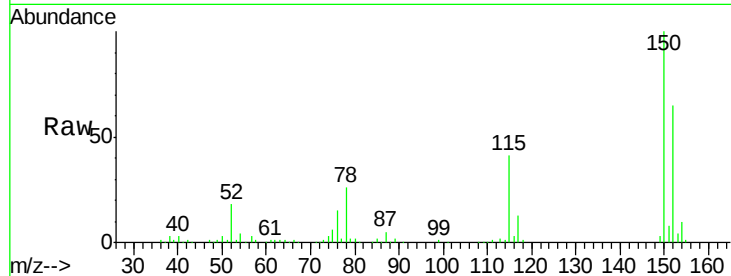
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	63.6	46.6	70.0

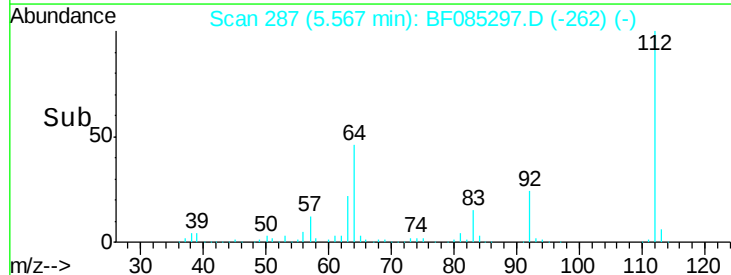
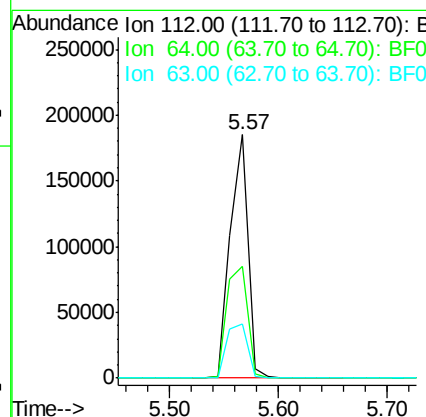
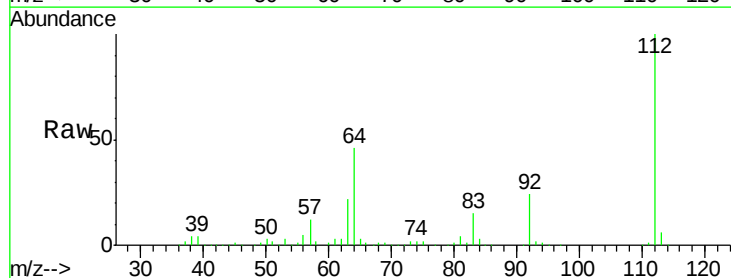
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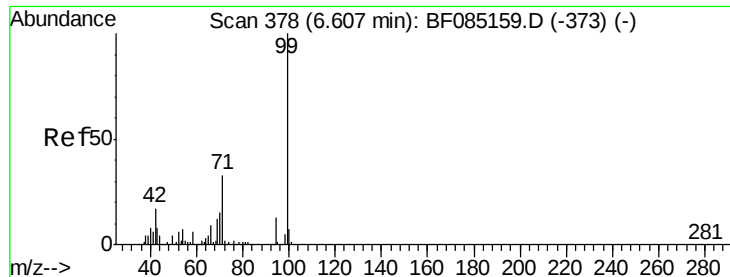
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#5
 2-Fluorophenol
 Concen: 39.90 ng
 RT: 5.57 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	49.0	73.4#
63	22.4	24.8	37.2#





#7

Phenol-d6

Concen: 38.40 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085297.D

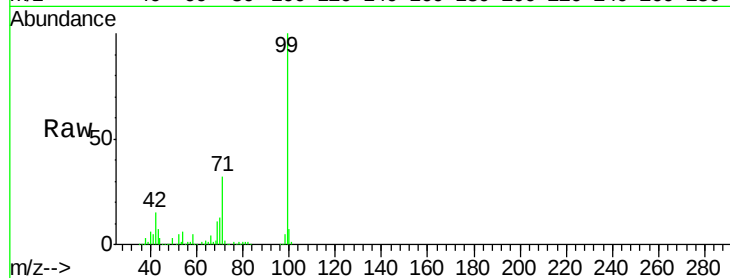
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Instrument :

BNA_F

ClientSampleId :

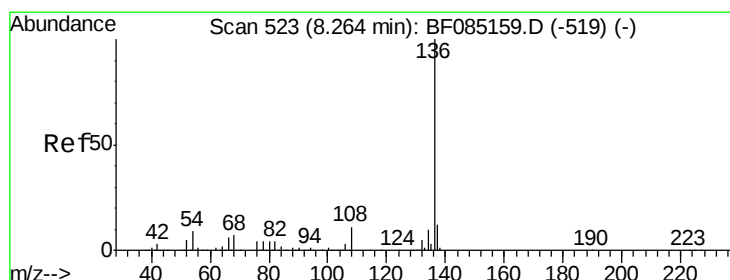
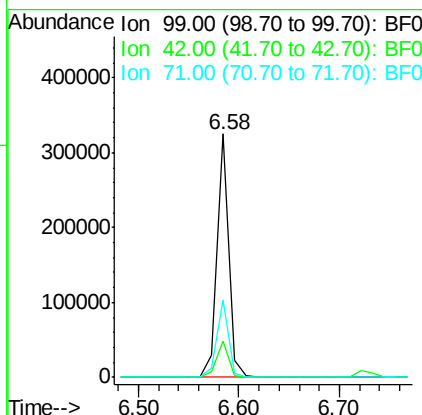
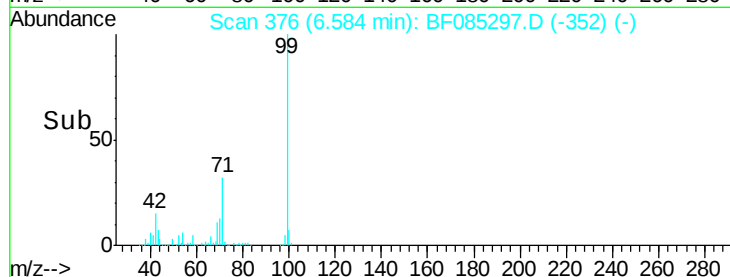
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Tgt Ion:	99	Resp:	263403
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.6	20.4
71	31.7	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

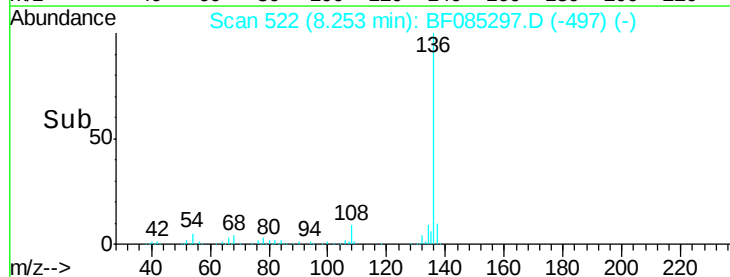
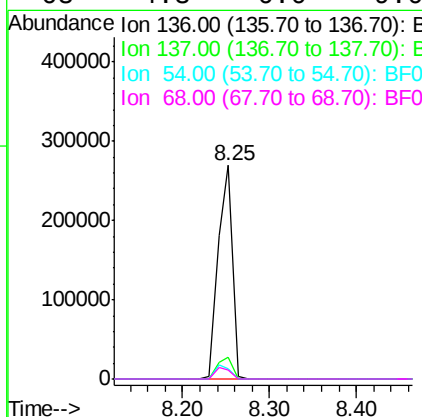
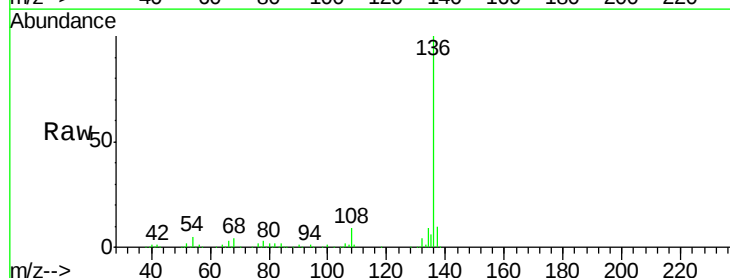
RT: 8.25 min Scan# 522

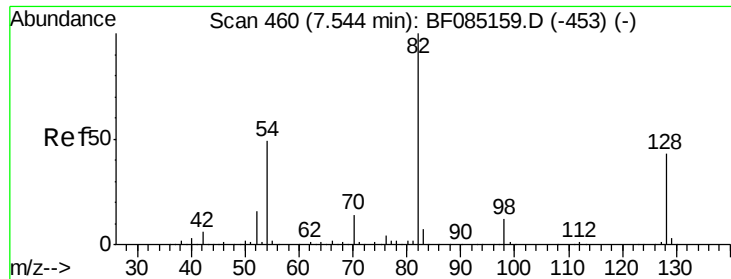
Delta R.T. -0.01 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Tgt Ion:	136	Resp:	316283
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.3	13.9
54	4.6	7.4	11.2#
68	4.3	6.0	9.0#





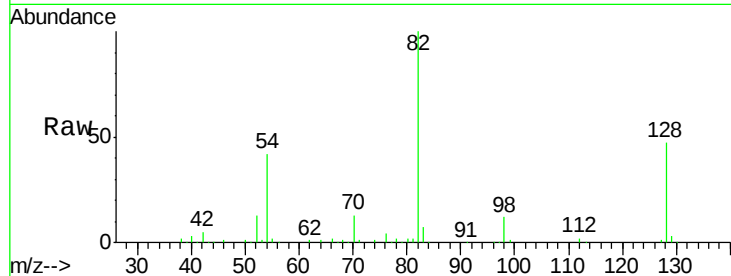
#23
 Nitrobenzene-d5
 Concen: 27.99 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)RE

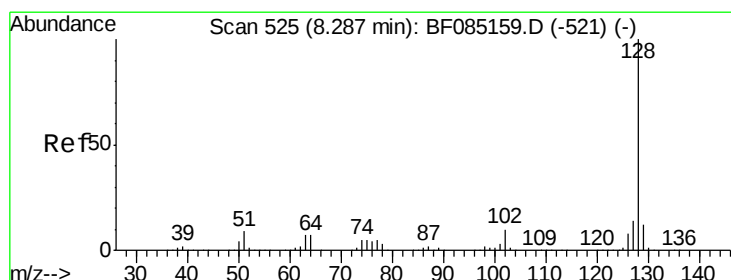
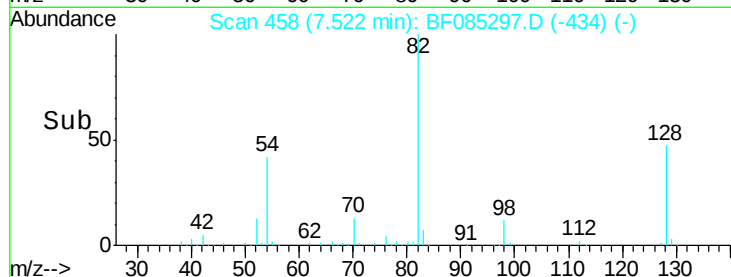
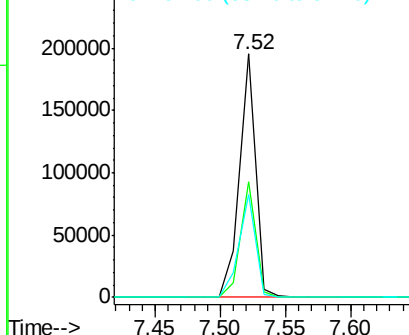
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.5	51.7
54	42.4	39.3	58.9

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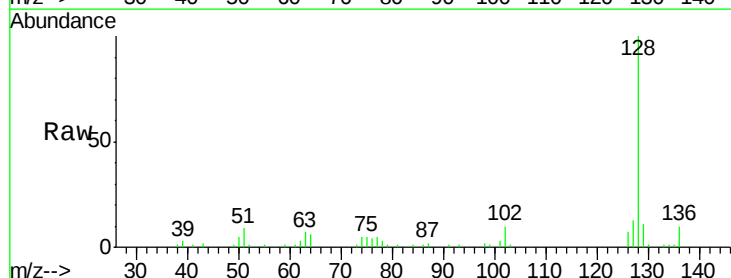


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

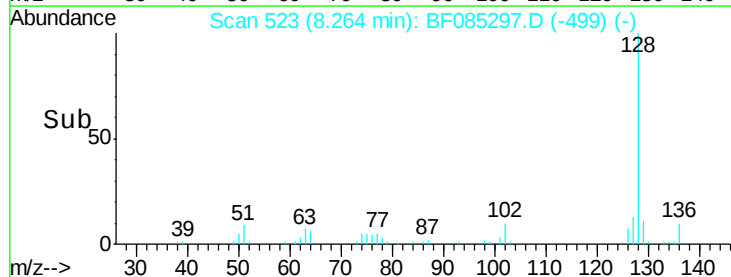
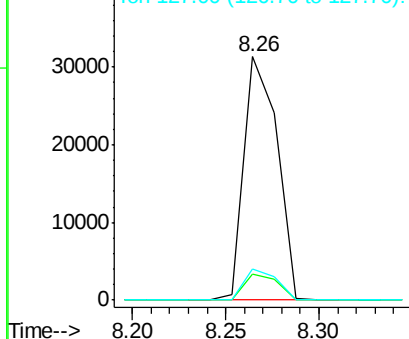


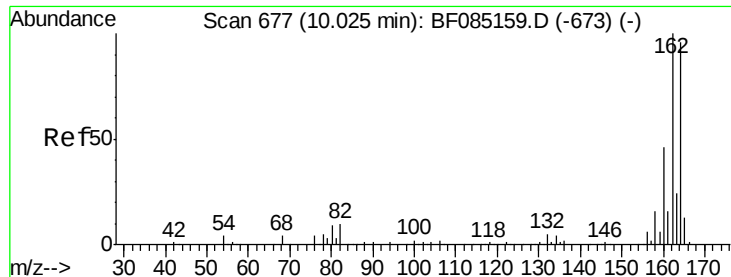
#31
 Naphthalene
 Concen: 2.49 ng
 RT: 8.26 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.7	14.5
127	12.6	11.2	16.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085297.D

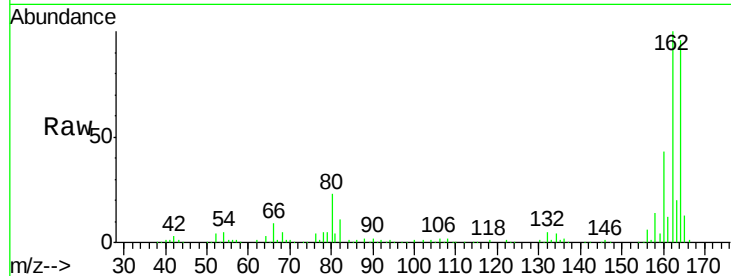
Acq: 9 Mar 2016 10:41

Instrument :

BNA_F

ClientSampleId :

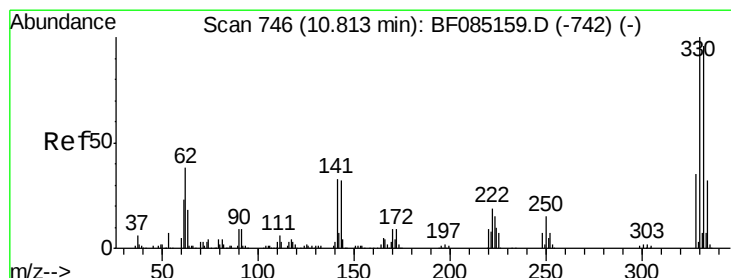
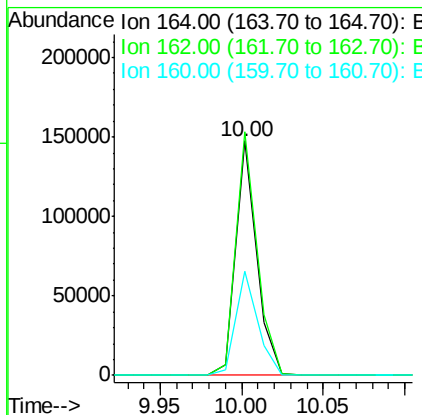
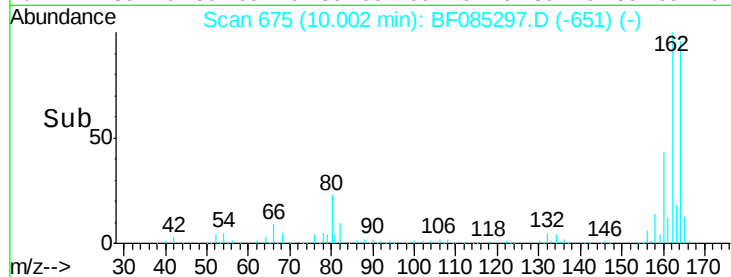
SP-004(0-2)RE



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	83.3	124.9	
160	44.7	37.9	56.9	

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#41

2,4,6-Tribromophenol

Concen: 16.02 ng

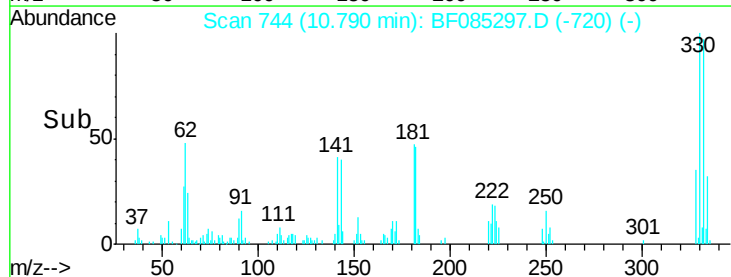
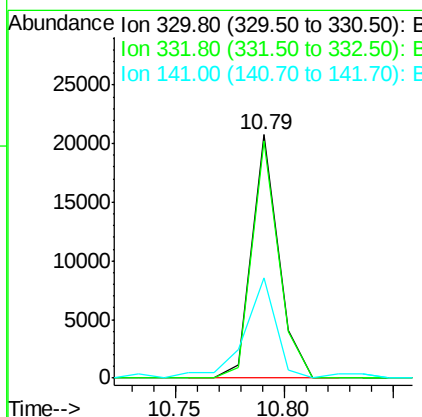
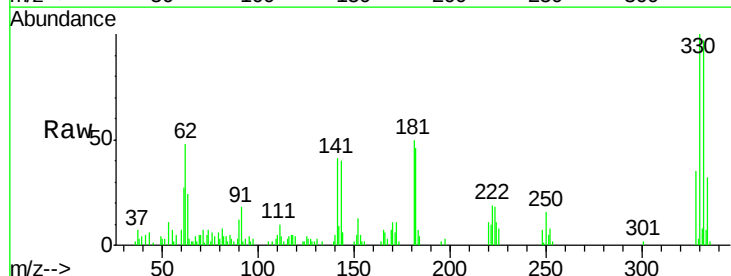
RT: 10.79 min Scan# 744

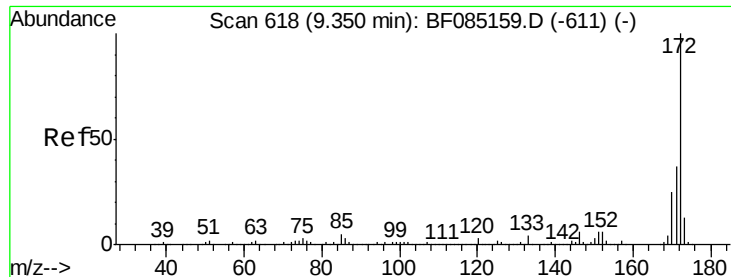
Delta R.T. -0.02 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

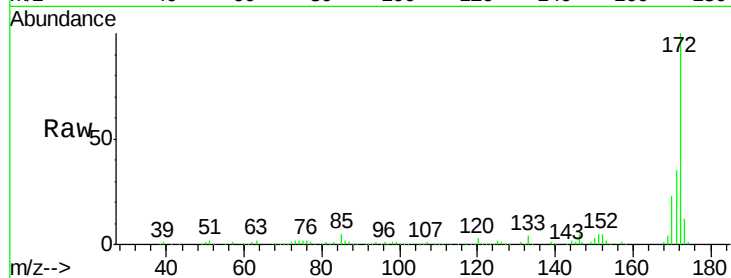
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	77.1	115.7	
141	52.5	35.0	52.6	





#44
2-Fluorobiphenyl
Concen: 31.03 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

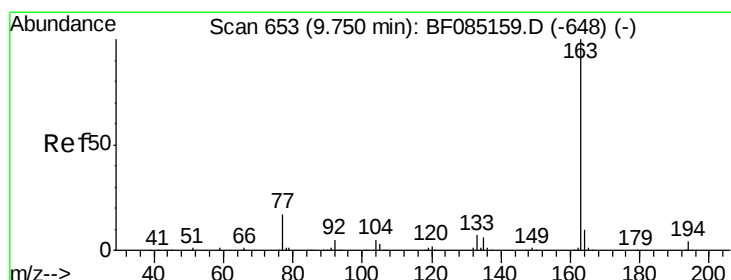
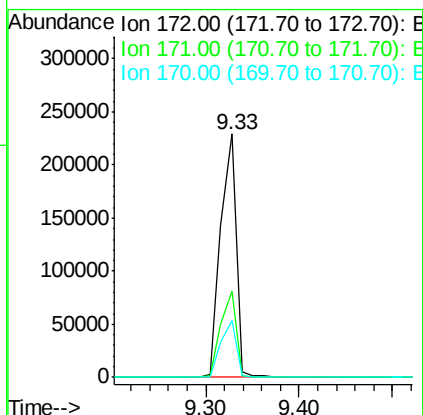
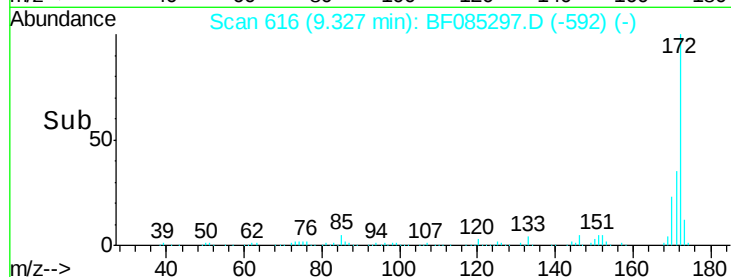
Instrument :
BNA_F
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SP-004(0-2)RE



Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.4	29.3	43.9
170	23.1	20.0	30.0

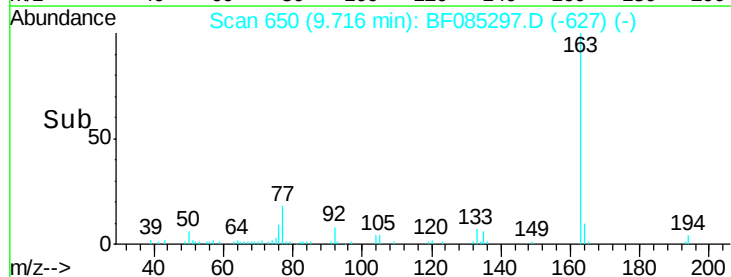
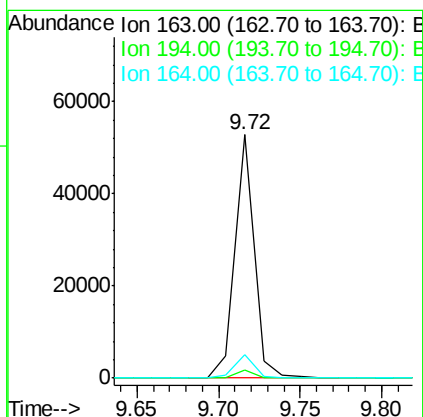
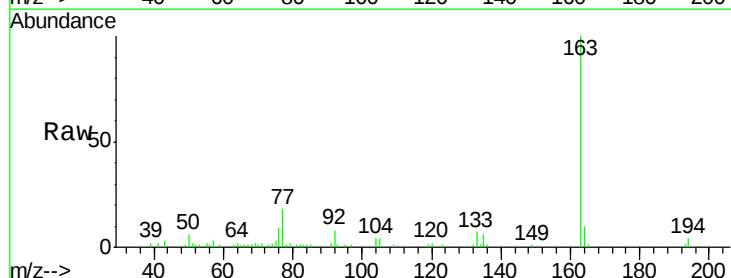
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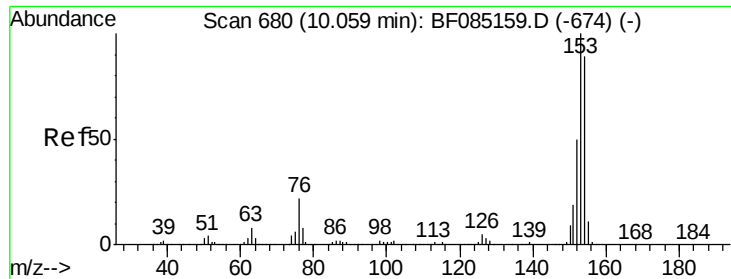
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#49
Dimethylphthalate
Concen: 4.28 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	3.1	4.7
164	9.8	8.2	12.4





#51

Acenaphthene

Concen: 6.82 ng

RT: 10.04 min Scan# 678

Delta R.T. -0.02 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Instrument :

BNA_F

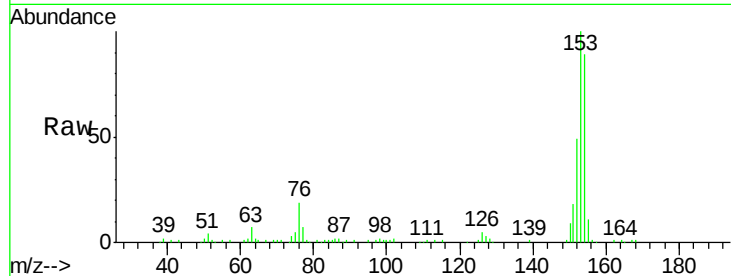
ClientSampleId :

SP-004(0-2)RE

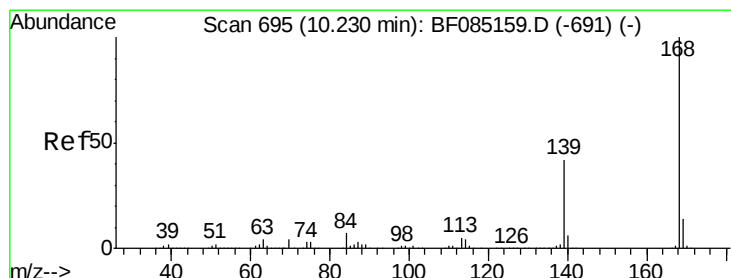
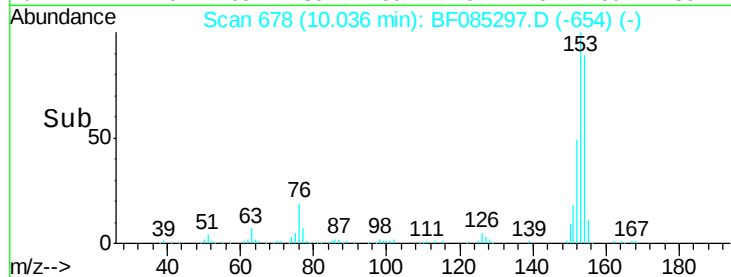
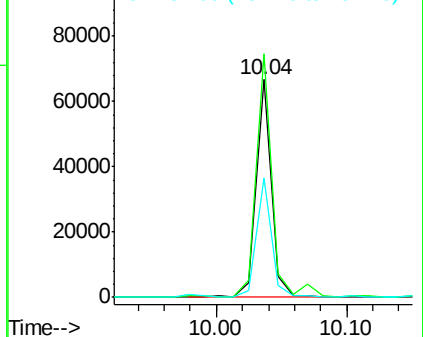
Tgt Ion:	154	Resp:	54327
Ion Ratio	Lower	Upper	
154	100		
153	111.9	89.8	134.8
152	54.8	44.6	66.8

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



#54

Dibenzofuran

Concen: 3.91 ng

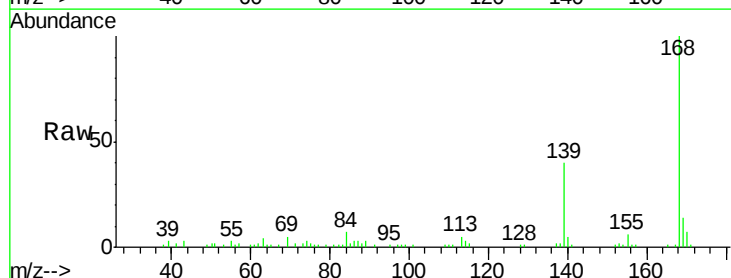
RT: 10.21 min Scan# 693

Delta R.T. -0.02 min

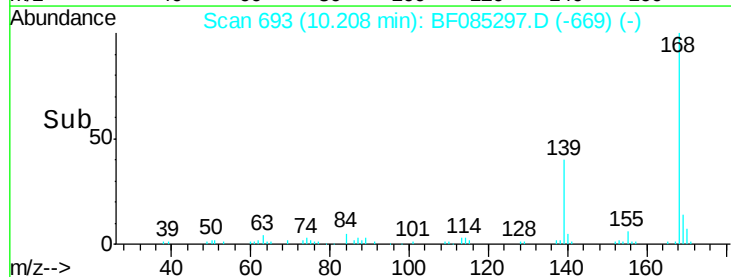
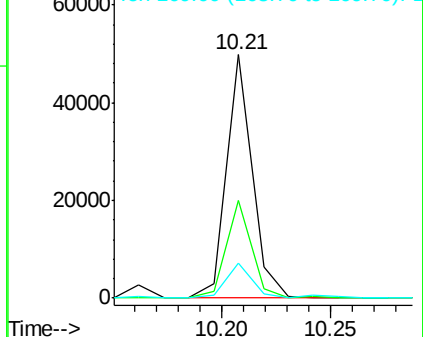
Lab File: BF085297.D

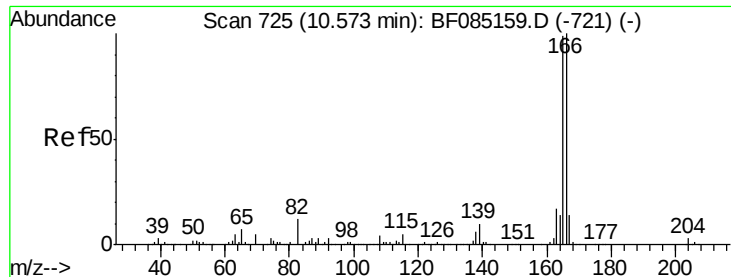
Acq: 9 Mar 2016 10:41

Tgt Ion:	168	Resp:	40816
Ion Ratio	Lower	Upper	
168	100		
139	40.0	33.6	50.4
169	14.3	11.2	16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





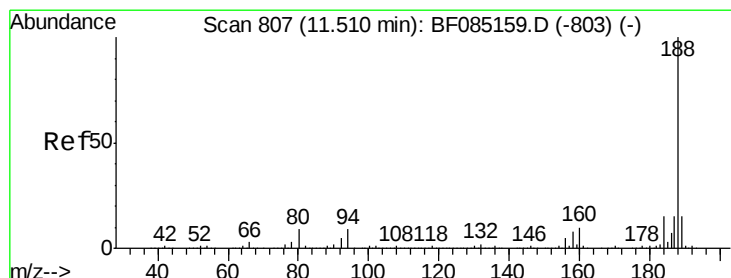
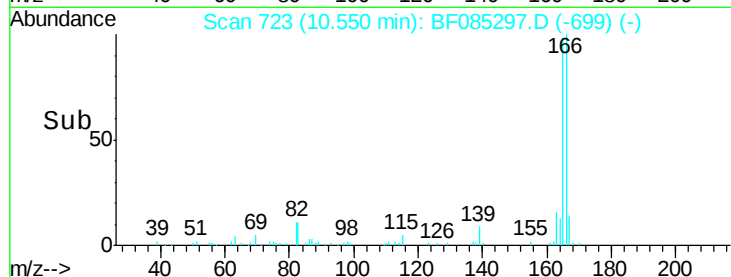
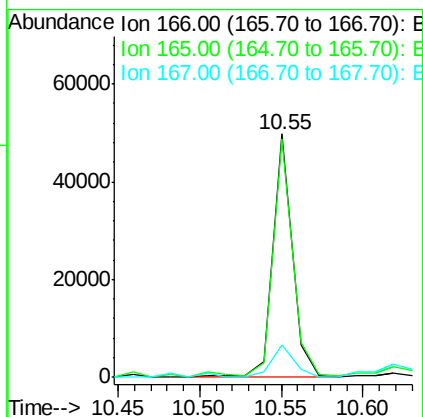
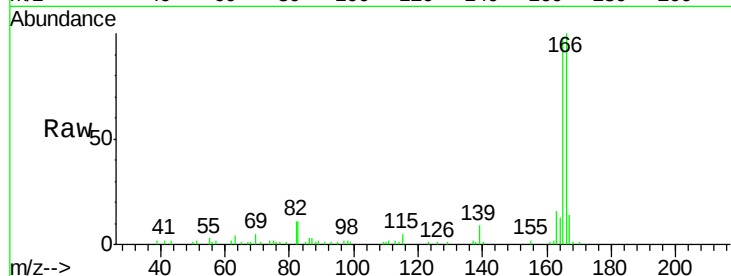
#57
Fluorene
 Concen: 5.12 ng
 RT: 10.55 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	41975		
165	97.8	79.4	119.0	
167	13.6	11.0	16.6	

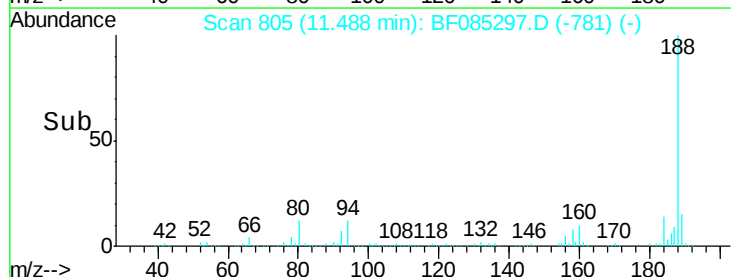
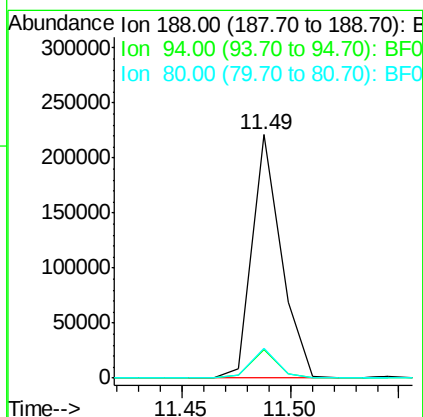
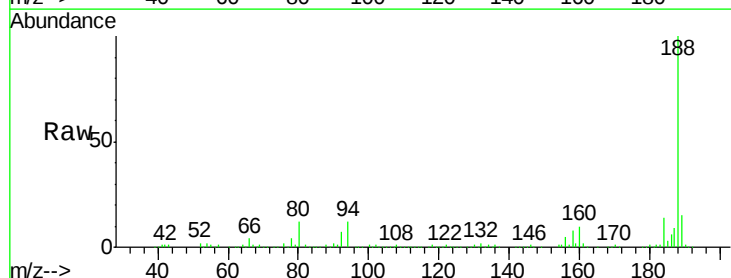
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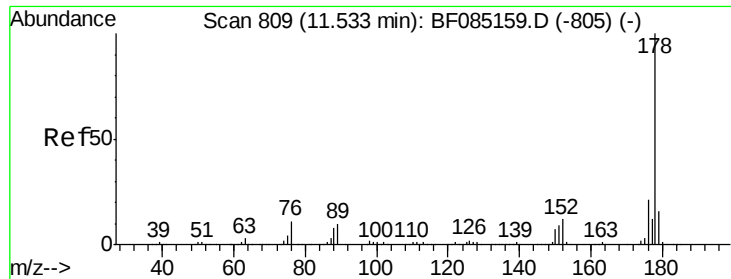
Sohil
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	206096		
94	11.7	7.0	10.6#	
80	12.5	7.4	11.0#	





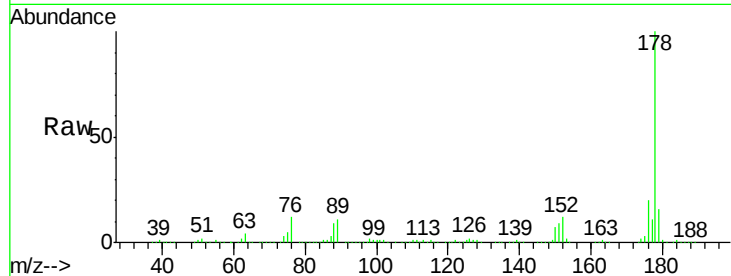
#70
Phenanthrene
Concen: 44.30 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)RE

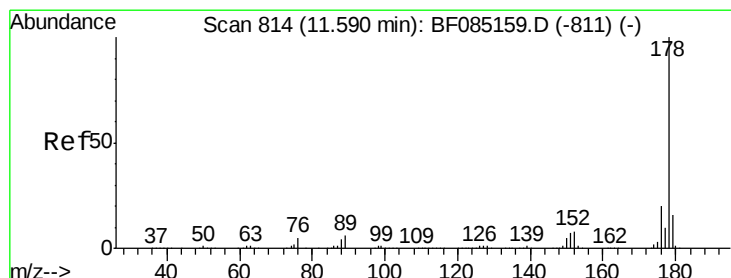
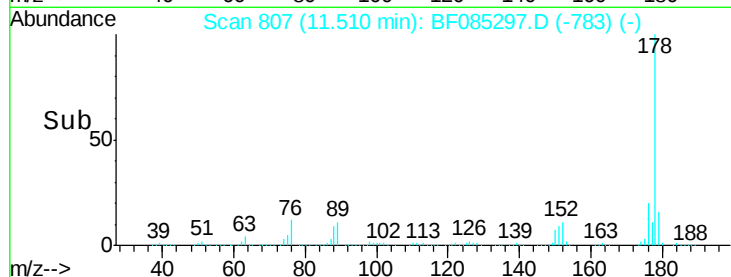
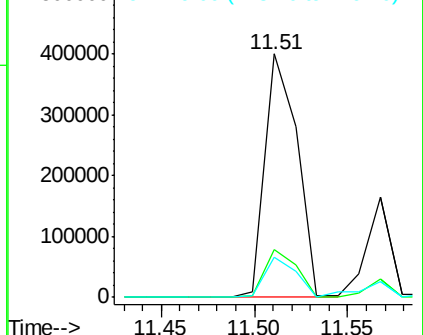
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.8	25.2
179	16.3	13.1	19.7

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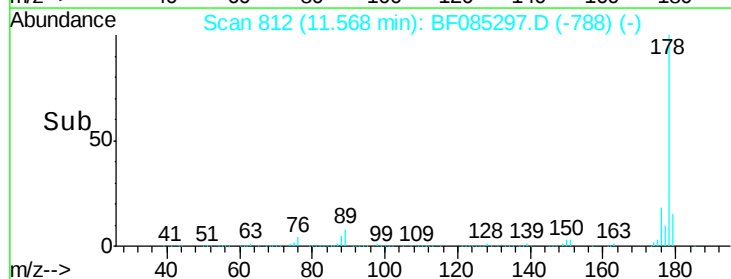
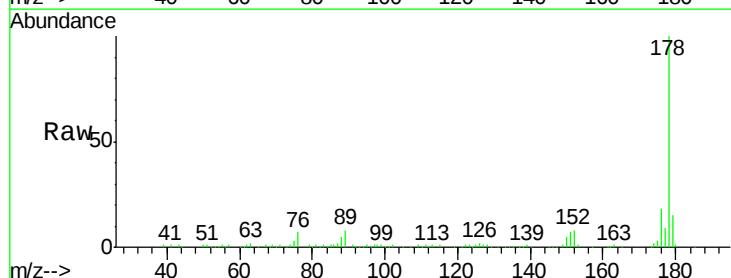
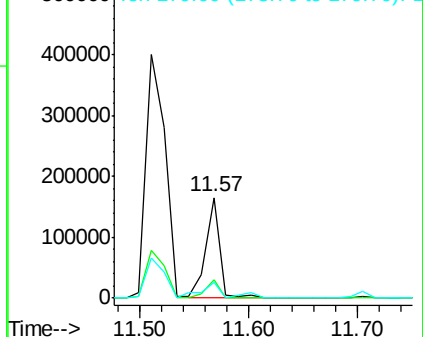
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

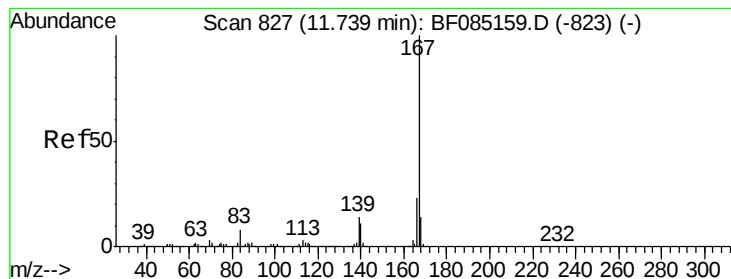


#71
Anthracene
Concen: 13.08 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.2	12.5	18.7

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.01 ng

RT: 11.72 min Scan# 825

Delta R.T. -0.02 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Instrument :

BNA_F

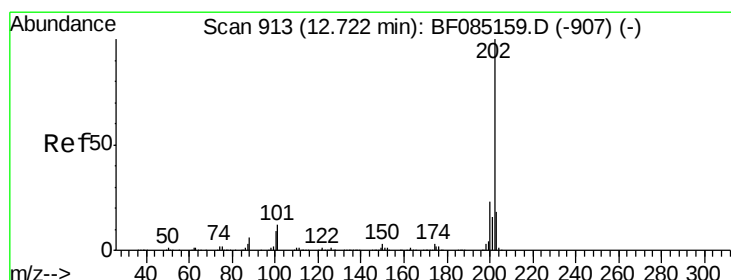
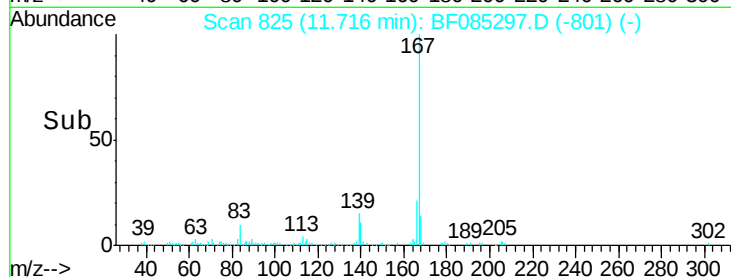
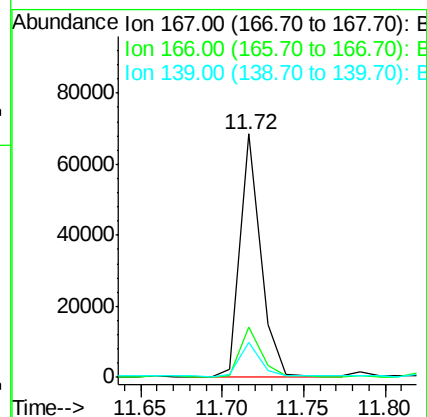
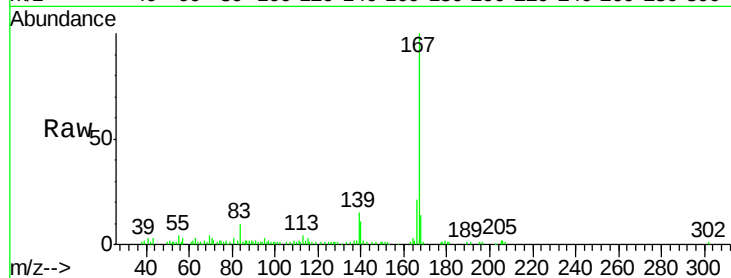
ClientSampleId :

SP-004(0-2)RE

Tgt Ion:	167	Resp:	60413
Ion Ratio	Lower	Upper	
167	100		
166	20.9	18.2	27.2
139	14.6	11.4	17.0

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#74

Fluoranthene

Concen: 72.44 ng

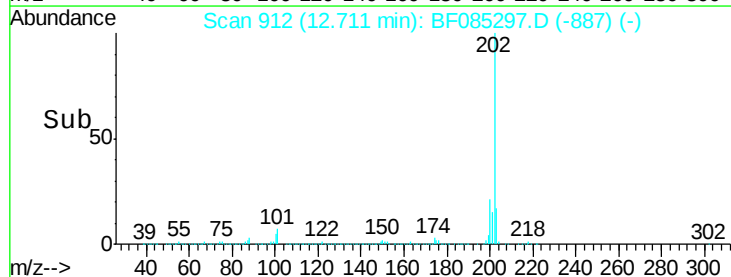
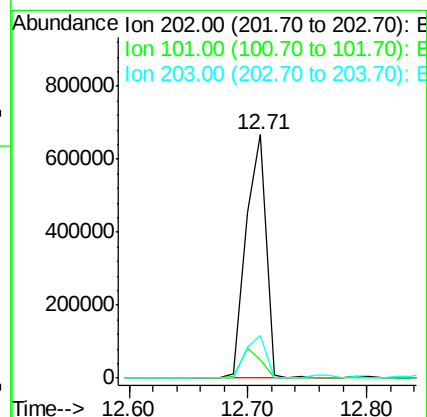
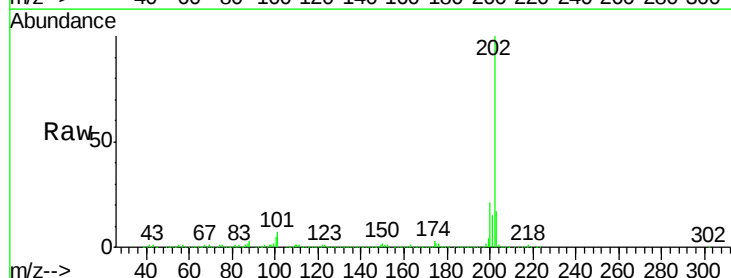
RT: 12.71 min Scan# 912

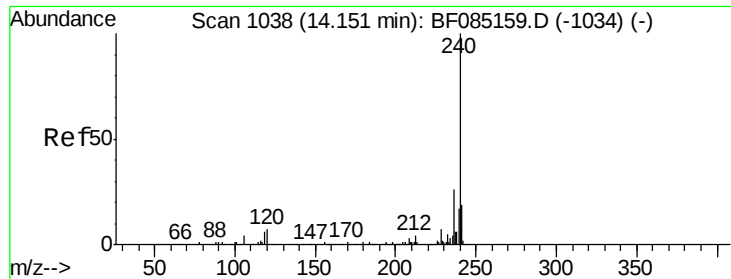
Delta R.T. -0.01 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Tgt Ion:	202	Resp:	785247
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	31.8
203	17.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Instrument :

BNA_F

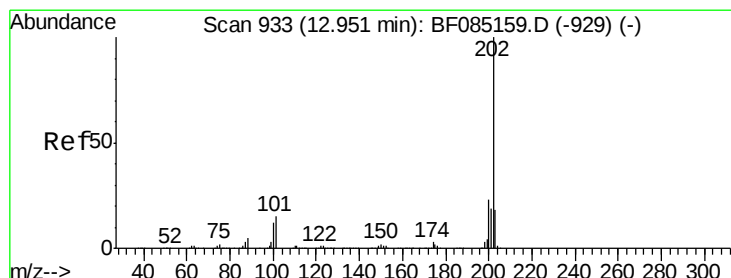
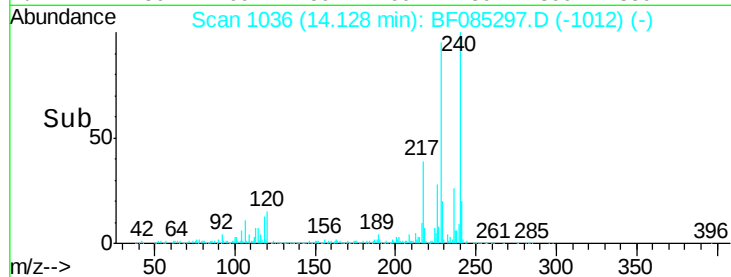
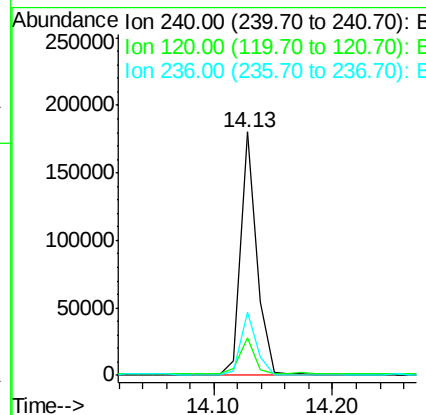
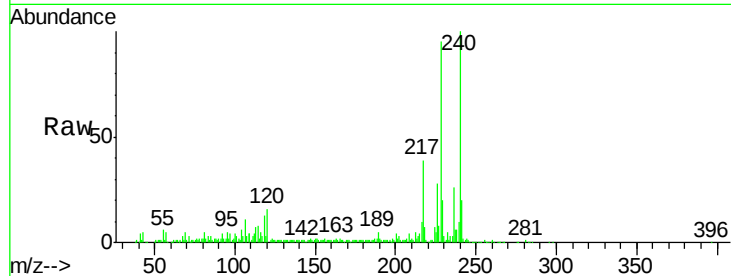
ClientSampleId :

SP-004(0-2)RE

Tgt	Ion	240	Resp:	173113
Ion	Ratio	Lower	Upper	
240	100			
120	15.7	5.3	7.9#	
236	25.9	20.7	31.1	

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#77

Pyrene

Concen: 57.51 ng

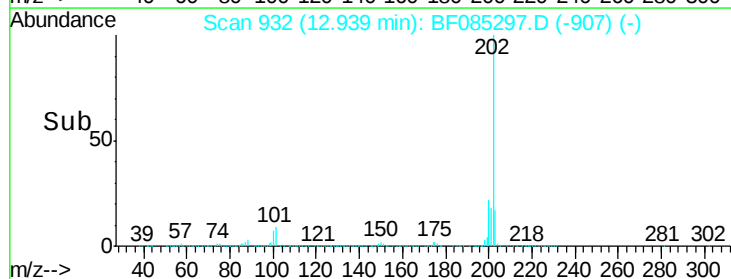
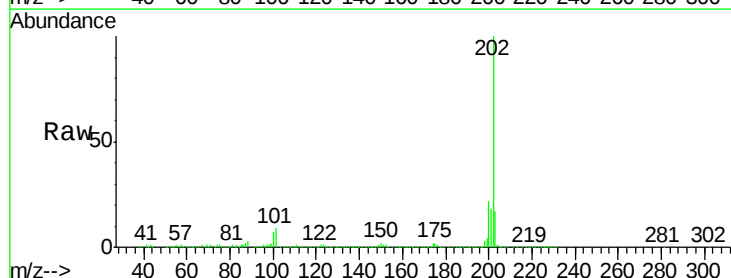
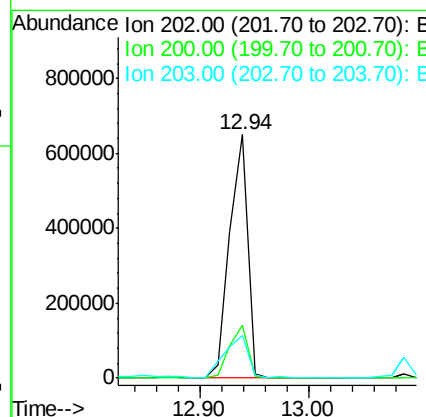
RT: 12.94 min Scan# 932

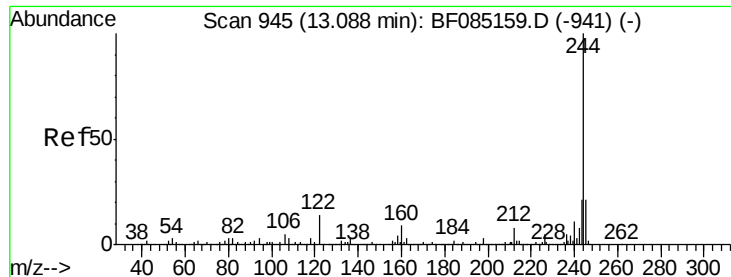
Delta R.T. -0.01 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Tgt	Ion	202	Resp:	749337
Ion	Ratio	Lower	Upper	
202	100			
200	21.5	18.2	27.4	
203	17.3	14.7	22.1	





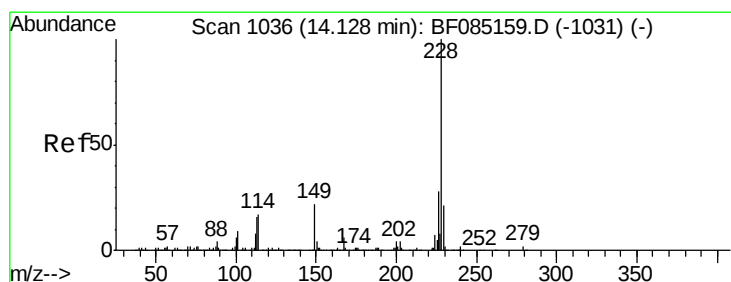
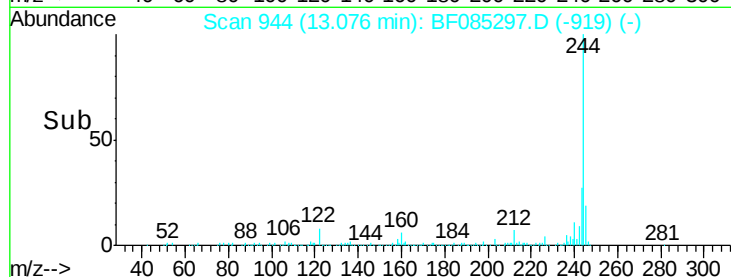
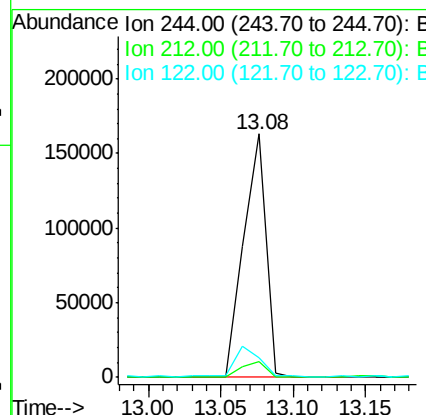
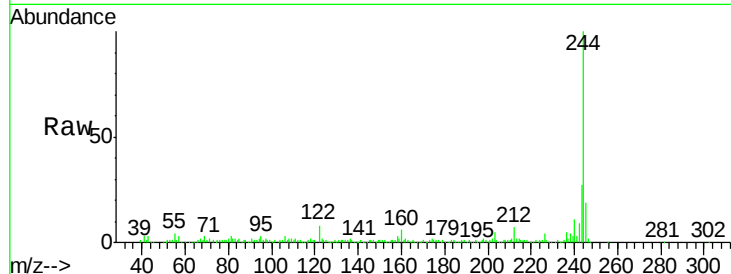
#78
 Terphenyl-d14
 Concen: 23.50 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)RE

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	6.4	9.6
122	8.0	11.4	17.2#

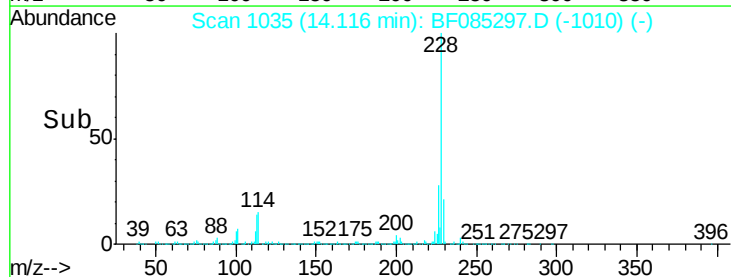
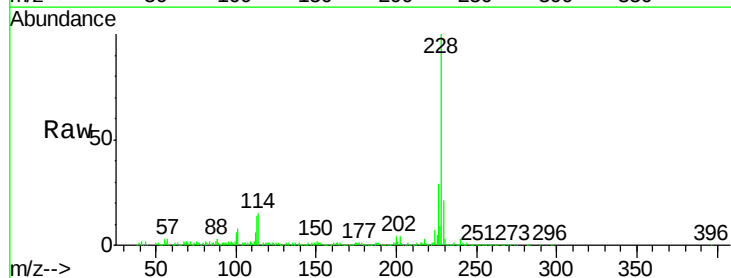
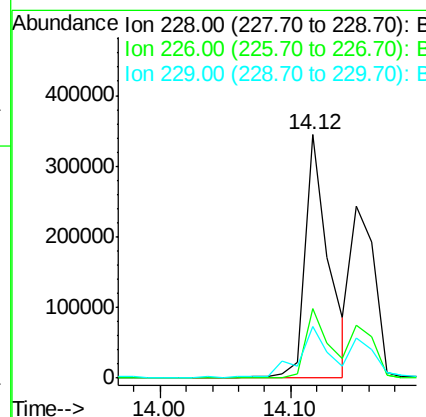
Manual Integrations
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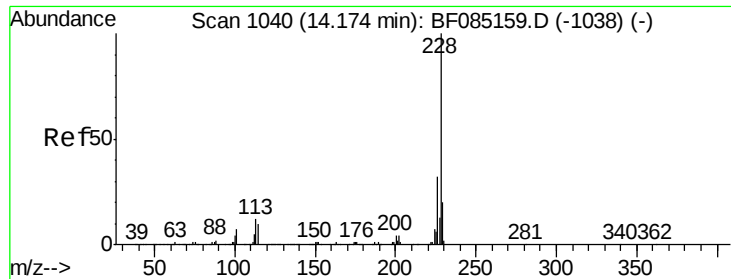
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#80
 Benzo(a)anthracene
 Concen: 41.67 ng
 RT: 14.12 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF085297.D
 Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.7	22.8	34.2
229	21.1	16.6	24.8





#82

Chrysene

Concen: 31.83 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF085297.D

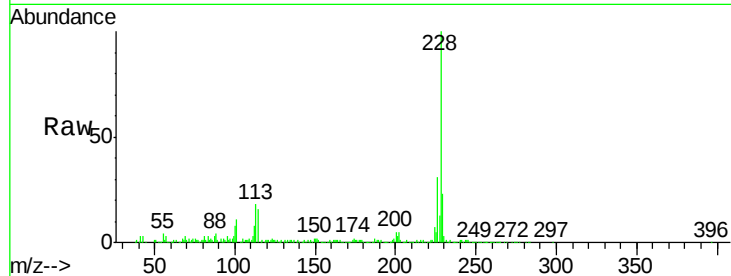
Acq: 9 Mar 2016 10:41

Instrument :

BNA_F

ClientSampleId :

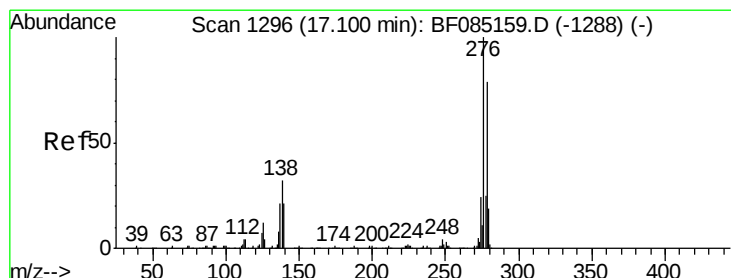
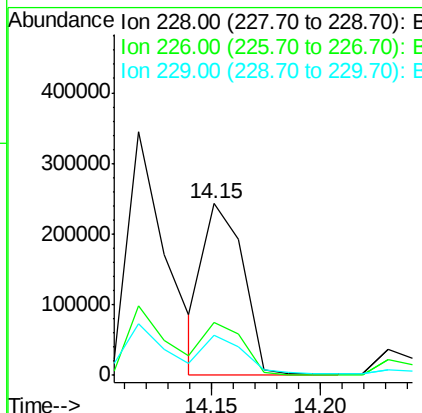
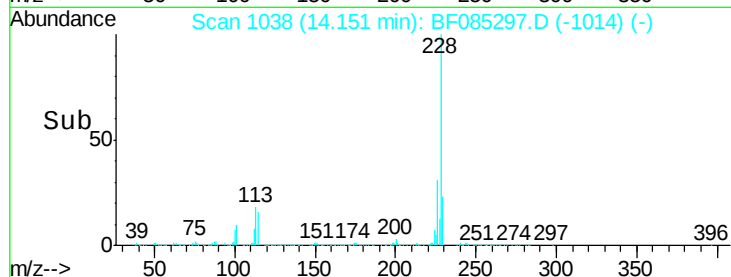
SP-004(0-2)RE



Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.2	37.8
229	23.1	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.39 ng

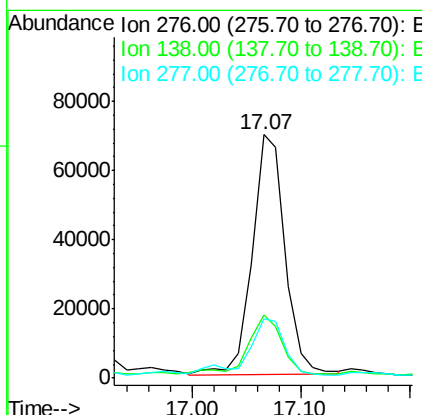
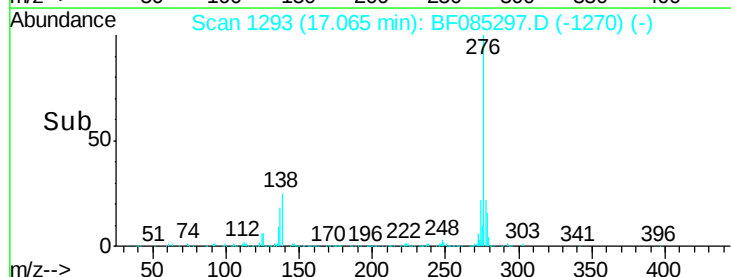
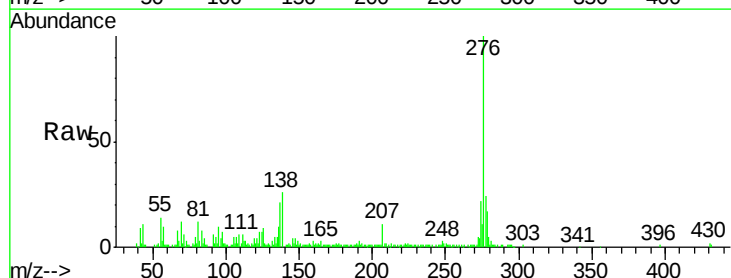
RT: 17.07 min Scan# 1293

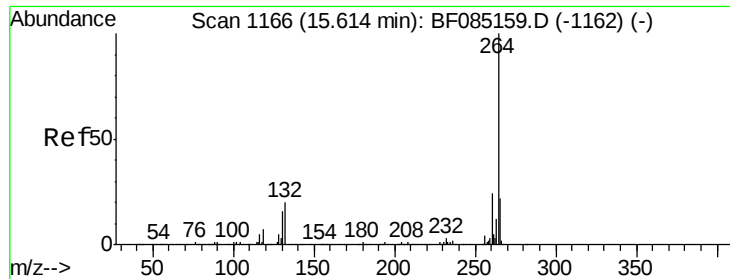
Delta R.T. -0.03 min

Lab File: BF085297.D

Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	26.4	39.6#
277	28.7	20.2	30.2





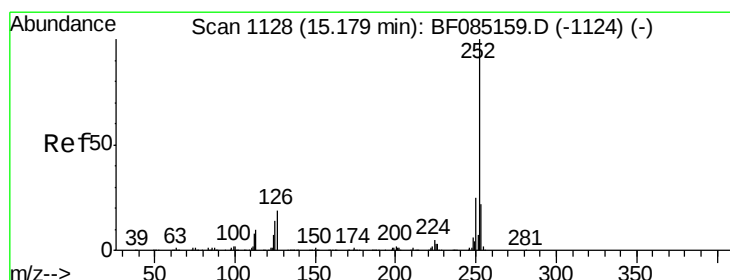
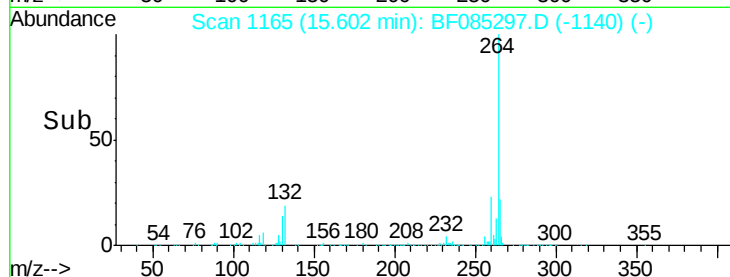
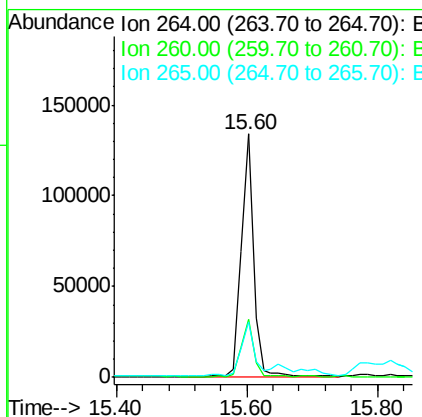
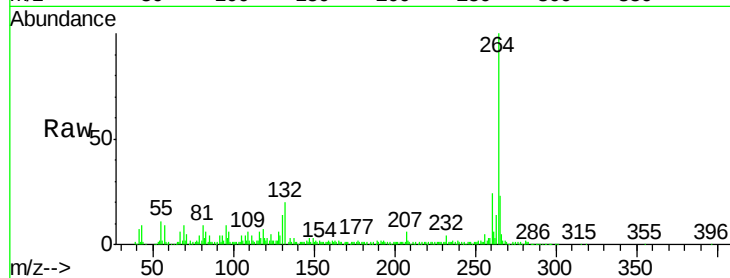
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.3	25.9

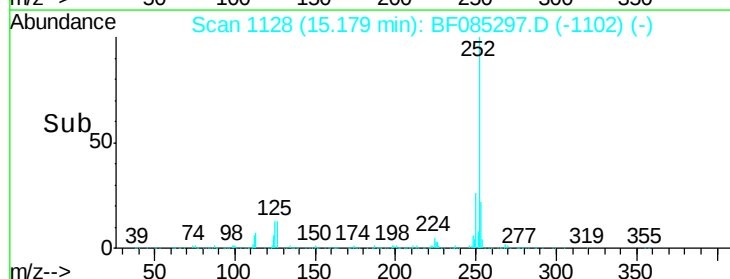
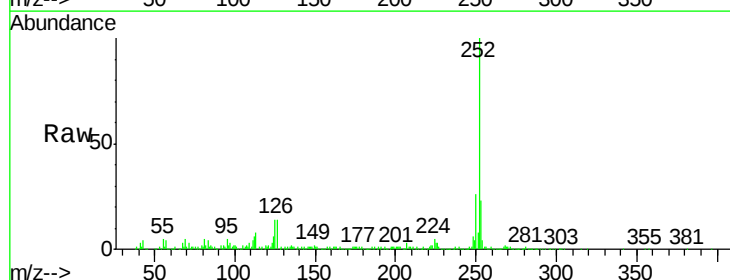
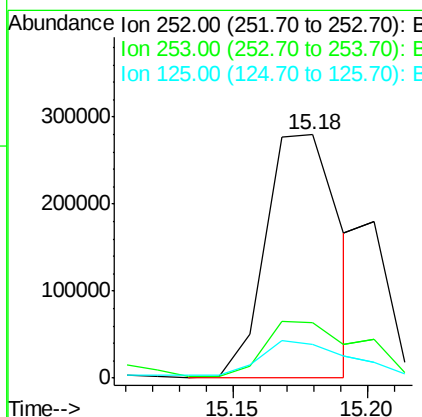
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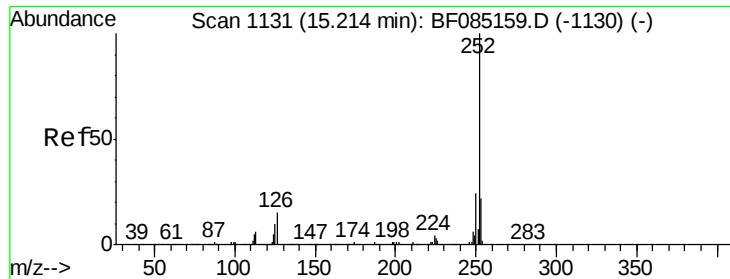
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#87
Benzo(b)fluoranthene
Concen: 46.04 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	14.1	11.3	16.9





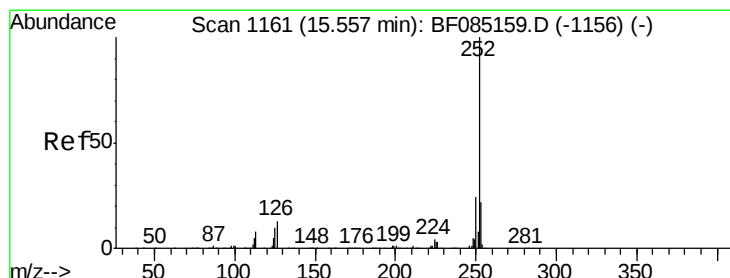
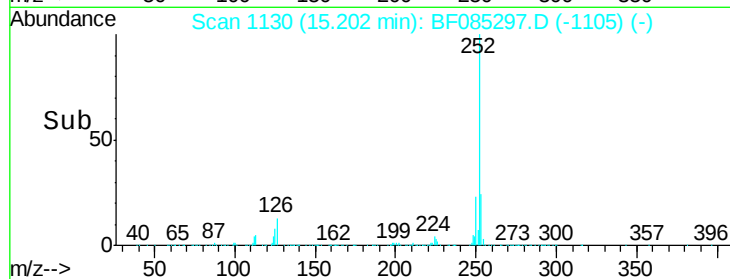
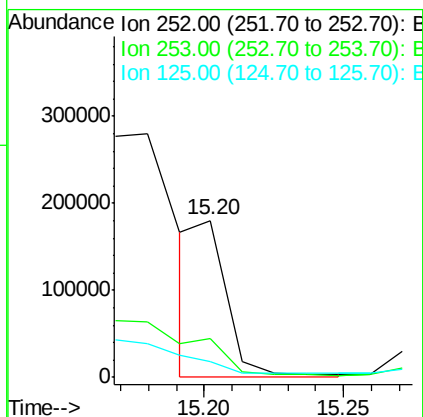
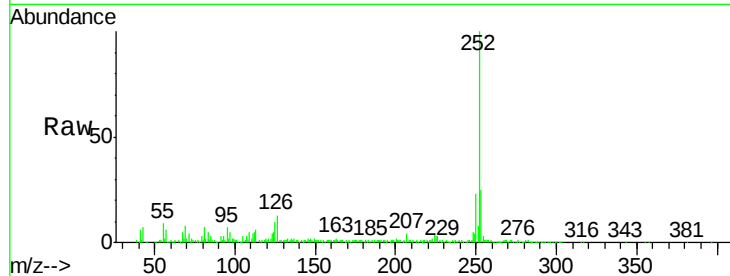
#88
Benzo(k)fluoranthene
Concen: 15.38 ng m
RT: 15.20 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	10.0	10.4	15.6#

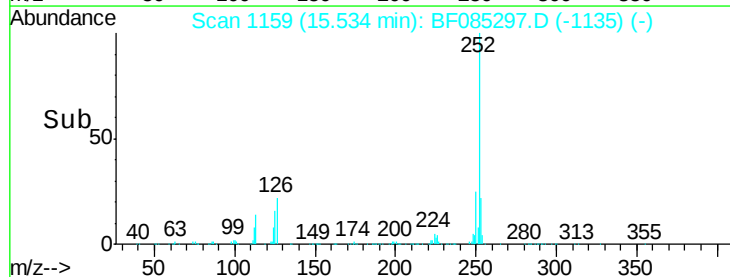
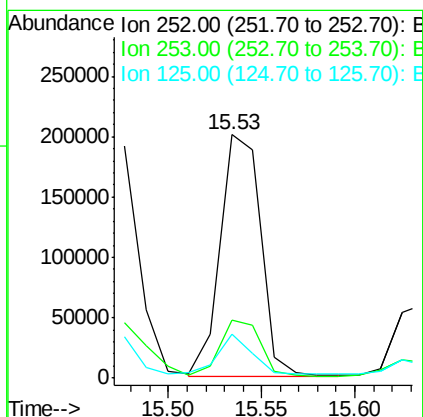
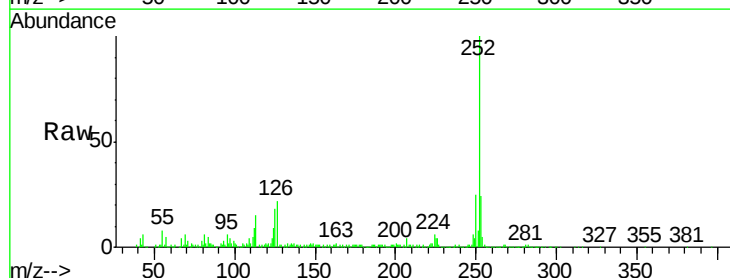
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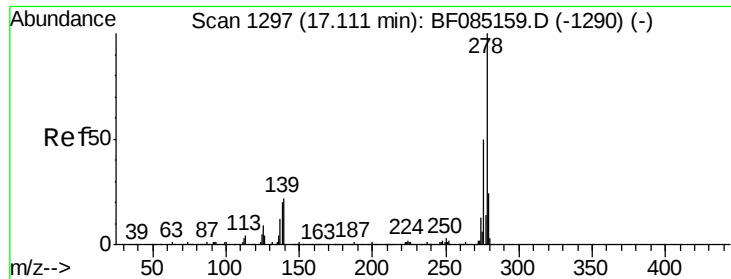
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#89
Benzo(a)pyrene
Concen: 31.86 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	18.1	8.2	12.4#





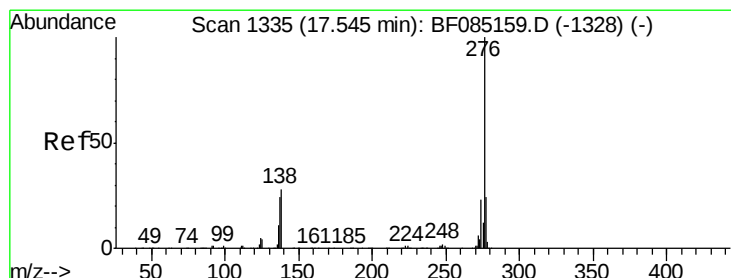
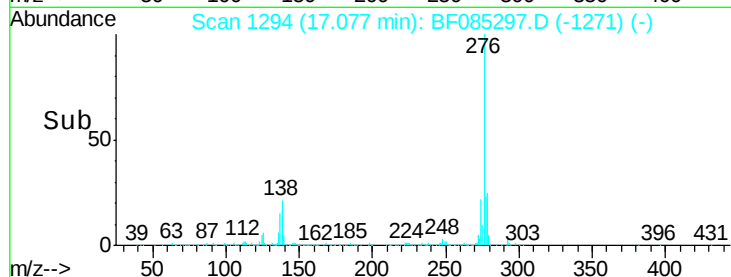
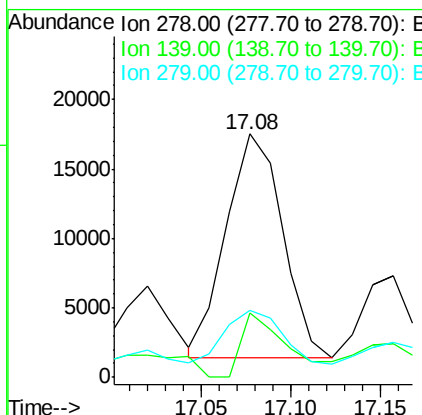
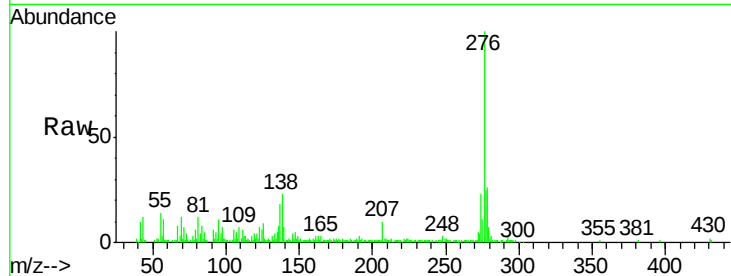
#90
Dibenzo(a,h)anthracene
Concen: 4.34 ng m
RT: 17.08 min Scan# 1294
Delta R.T. -0.03 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)RE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.5	17.3	25.9#
279	27.5	19.2	28.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 15.49 ng
RT: 17.51 min Scan# 1332
Delta R.T. -0.03 min
Lab File: BF085297.D
Acq: 9 Mar 2016 10:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	28.8	22.5	33.7

