

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085296.D
 Acq On : 9 Mar 2016 10:13
 Operator : UM/SJ
 Sample : H1675-03RE 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)RE

Manual Integrations
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Quant Time: Mar 09 12:05:32 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	35346	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	119674	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	42697	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	71840	20.00	ng	-0.02
75) Chrysene-d12	14.13	240	68606	20.00	ng	-0.02
86) Perylene-d12	15.60	264	59789	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	237415	112.67	ng	-0.01
7) Phenol-d6	6.58	99	294105	106.53	ng	-0.02
23) Nitrobenzene-d5	7.52	82	180842	80.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	35794	97.97	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	248600	88.55	ng	-0.02
78) Terphenyl-d14	13.08	244	169007	57.19	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.86	152	17027	3.93	ng	95
49) Dimethylphthalate	9.72	163	33325	10.17	ng	99
57) Fluorene	10.55	166	6393	2.36	ng	99
70) Phenanthrene	11.51	178	90906	24.15	ng	96
71) Anthracene	11.57	178	39399	9.86	ng	98
72) Carbazole	11.72	167	14863	4.24	ng	97
74) Fluoranthene	12.70	202	187534	49.63	ng	97
77) Pyrene	12.93	202	173030	33.51	ng	98
80) Benzo(a)anthracene	14.12	228	90942m	22.14	ng	
82) Chrysene	14.15	228	103560m	27.30	ng	
83) Bis(2-ethylhexyl)phthalate	14.10	149	7574	2.46	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.07	276	45899	15.50	ng	92
87) Benzo(b)fluoranthene	15.17	252	130210m	32.67	ng	
88) Benzo(k)fluoranthene	15.18	252	54553m	16.97	ng	
89) Benzo(a)pyrene	15.53	252	66289	20.07	ng	# 90
90) Dibenzo(a,h)anthracene	17.08	278	11163	3.96	ng	# 80
91) Benzo(g,h,i)perylene	17.51	276	41444	14.62	ng	100

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

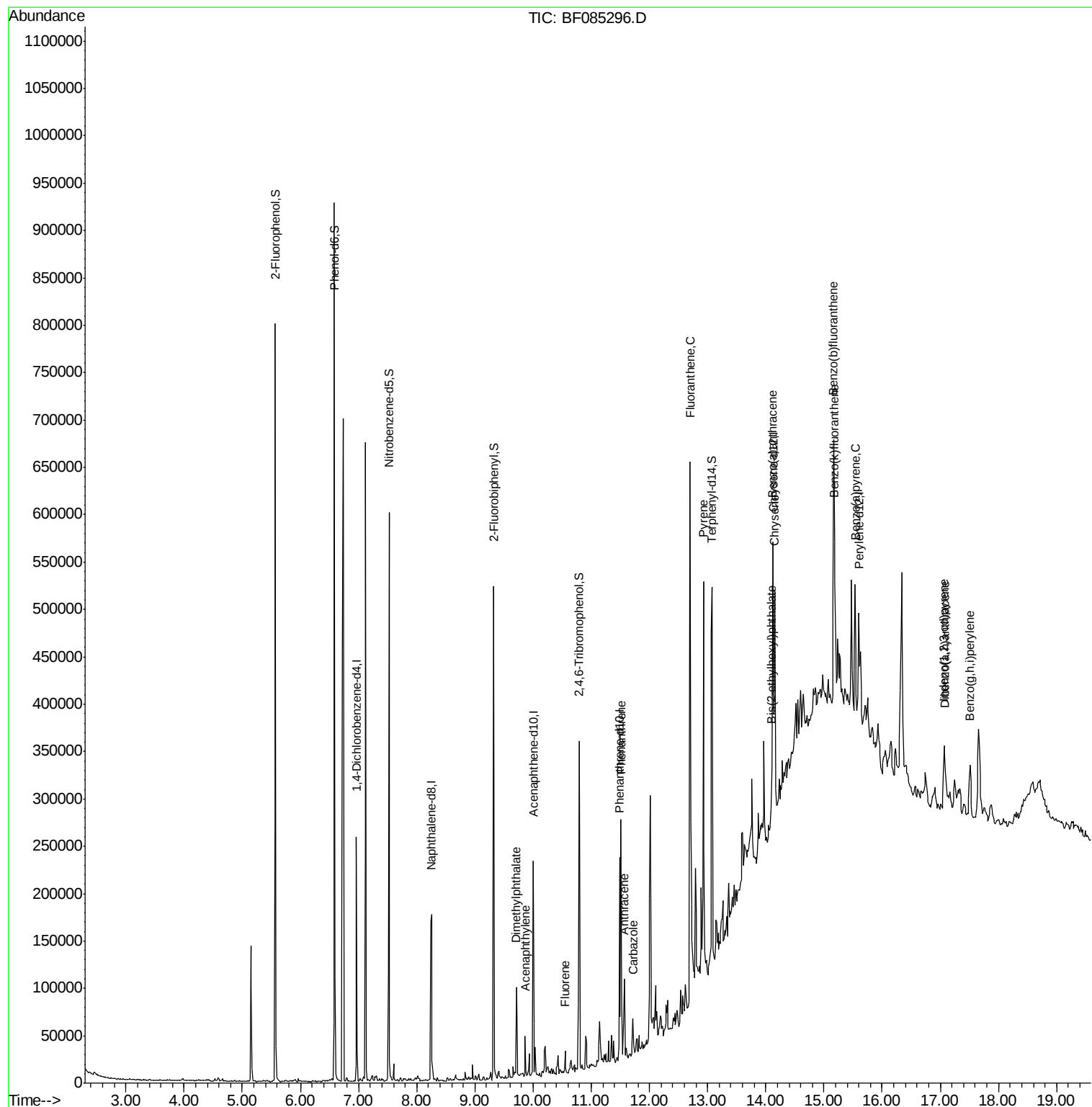
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
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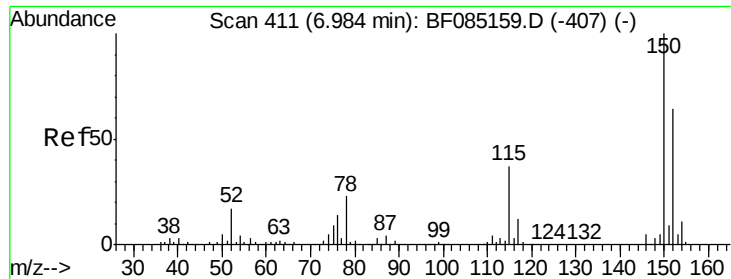
Instrument :
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SP-002(0-2)RE

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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: BF085296.D

Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

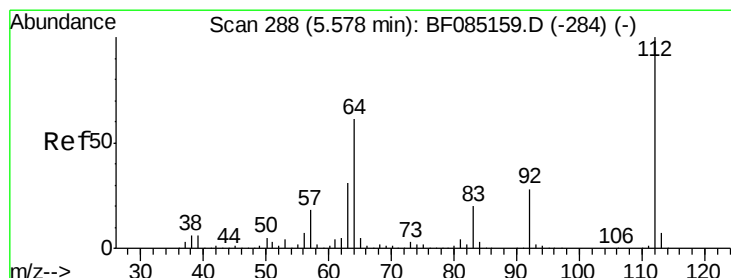
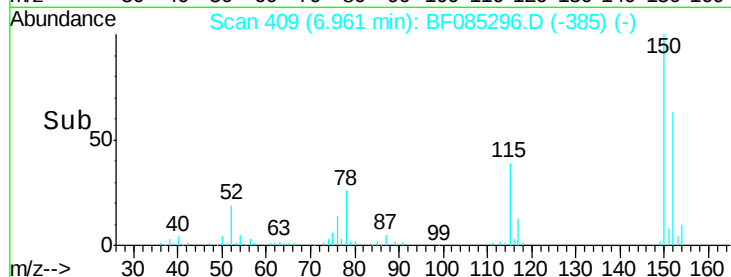
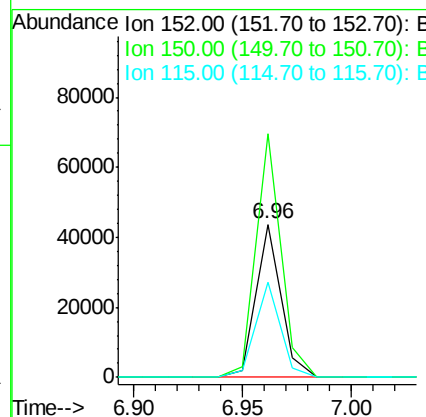
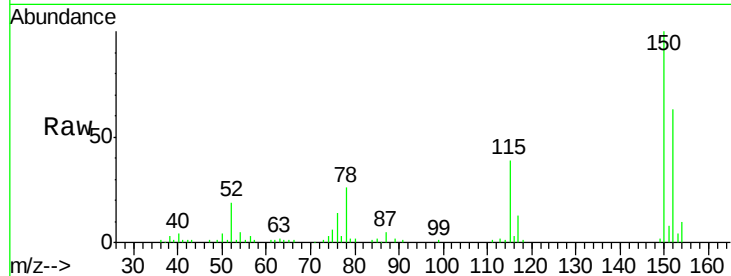
ClientSampleId :

SP-002(0-2)RE

Tgt Ion:	152	Resp:	35346
Ion Ratio	Lower	Upper	
152	100		
150	159.2	124.6	186.8
115	61.9	46.6	70.0

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#5

2-Fluorophenol

Concen: 112.67 ng

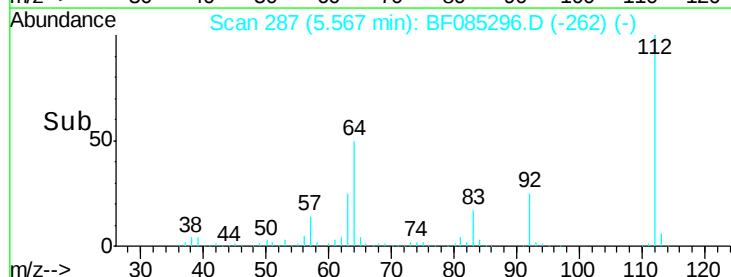
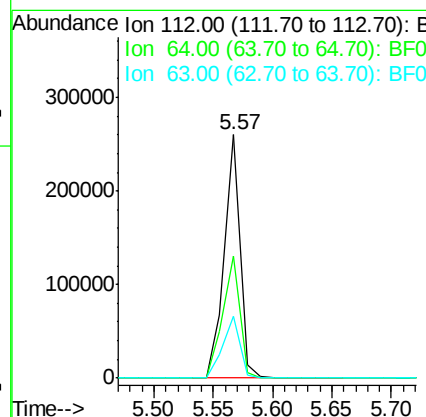
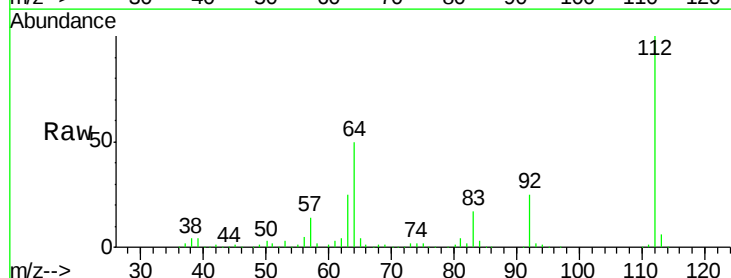
RT: 5.57 min Scan# 287

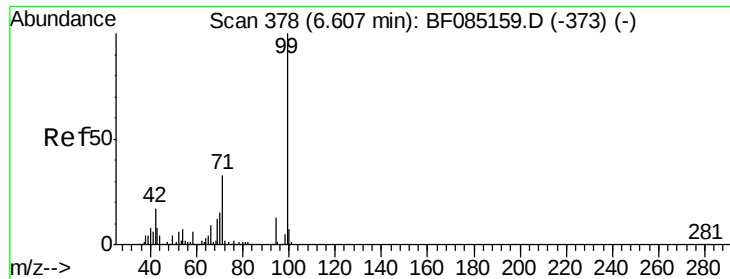
Delta R.T. -0.01 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion:	112	Resp:	237415
Ion Ratio	Lower	Upper	
112	100		
64	50.3	49.0	73.4
63	25.2	24.8	37.2





#7

Phenol-d6

Concen: 106.53 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085296.D

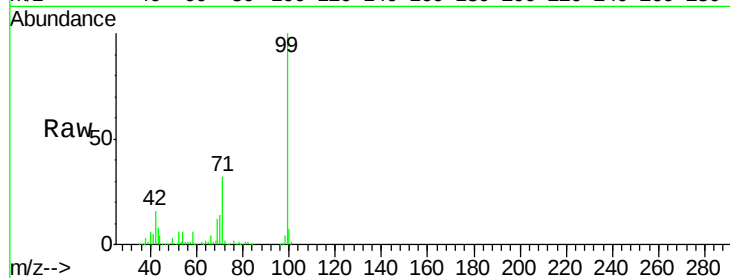
Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

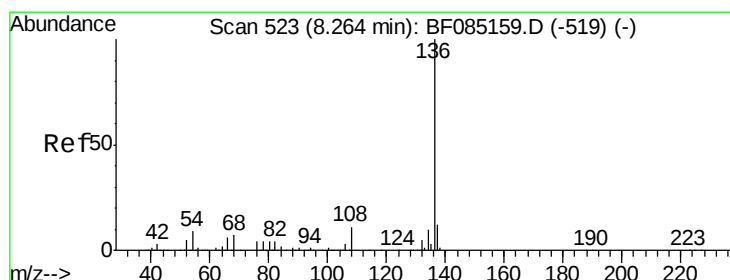
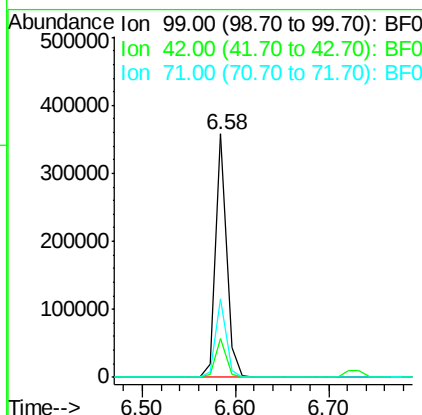
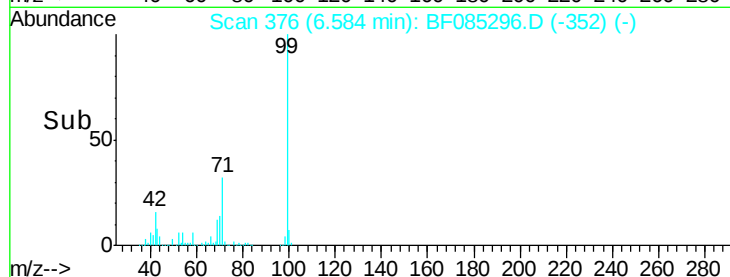
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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	294105		
42	15.8	13.6	20.4	
71	32.0	26.7	40.1	

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#21

Naphthalene-d8

Concen: 20.00 ng

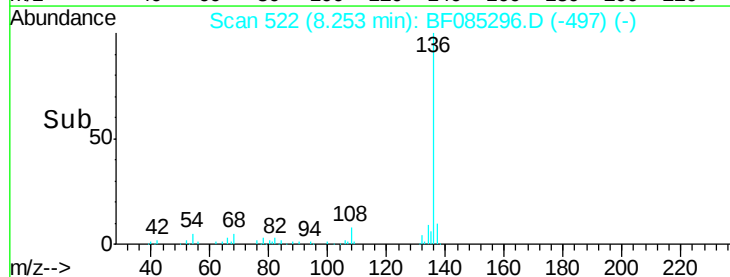
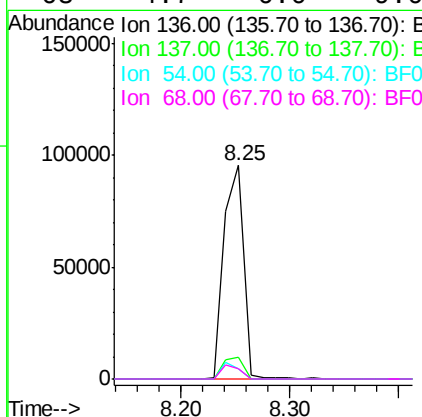
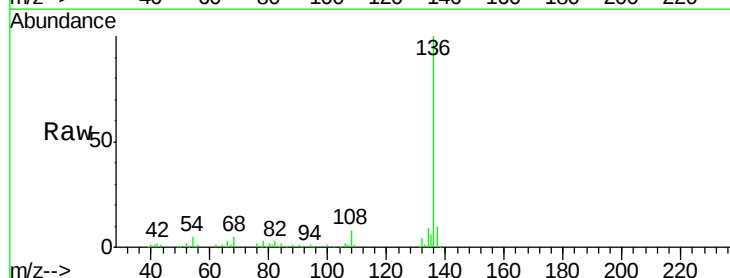
RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	119674		
137	10.4	9.3	13.9	
54	4.6	7.4	11.2#	
68	4.7	6.0	9.0#	





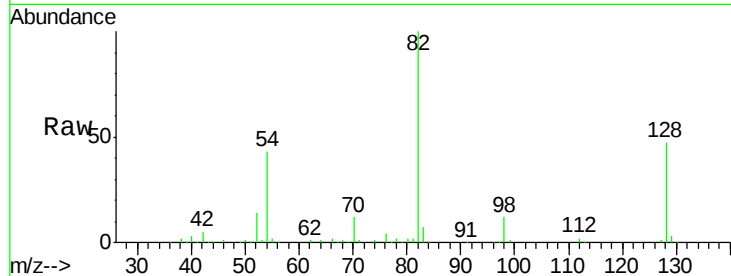
#23
 Nitrobenzene-d5
 Concen: 80.86 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)RE

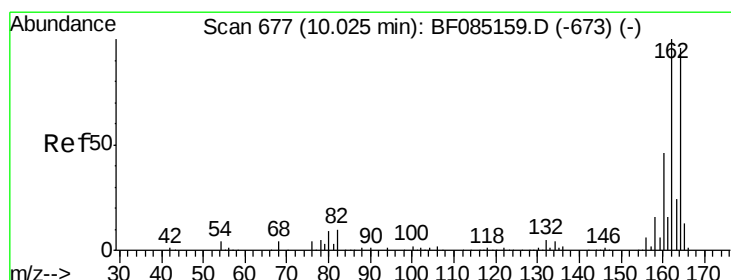
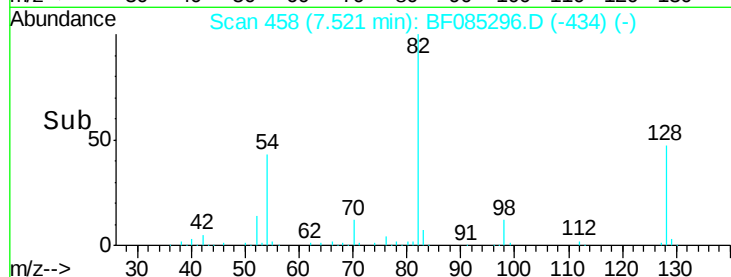
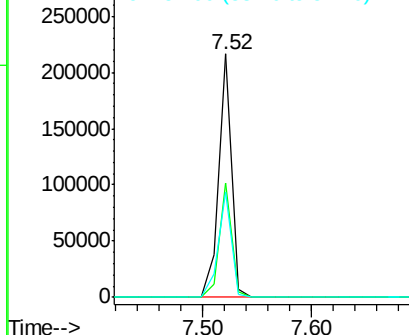
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	180842		
128	46.9	34.5	51.7	
54	43.4	39.3	58.9	

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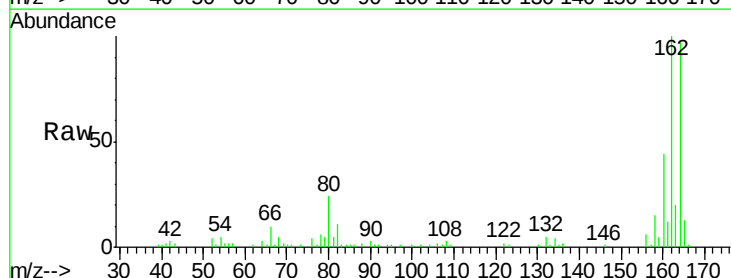


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

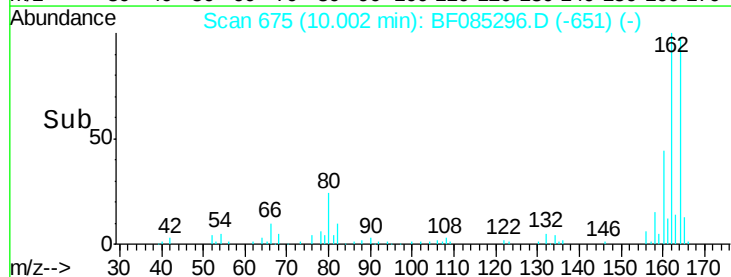
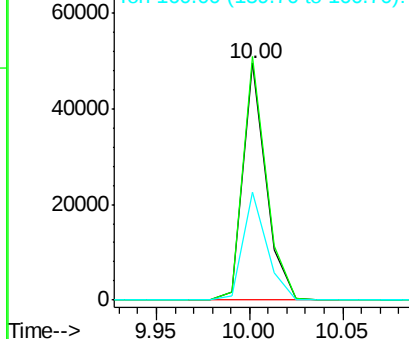


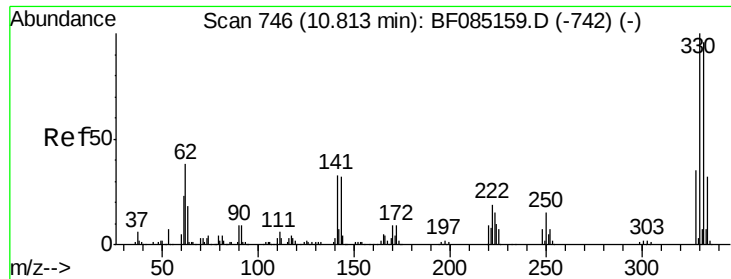
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42697		
162	102.7	83.3	124.9	
160	45.4	37.9	56.9	



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





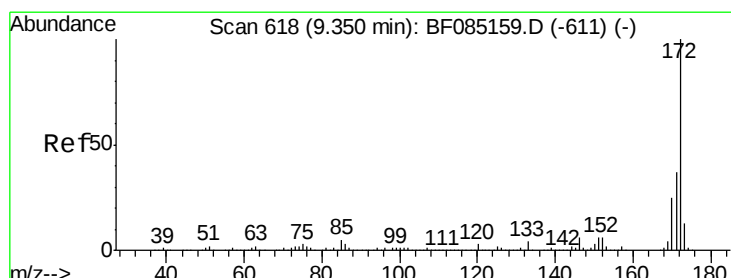
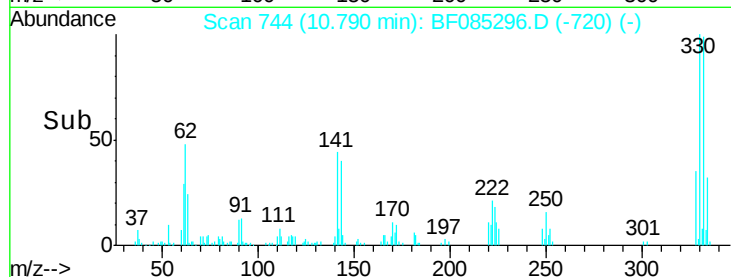
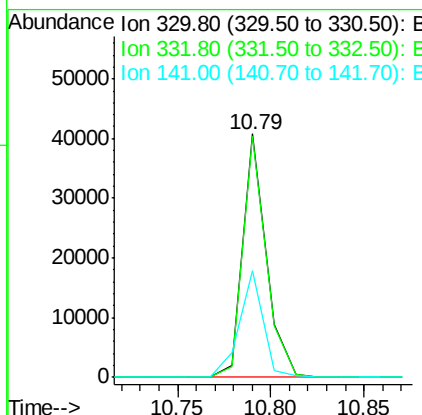
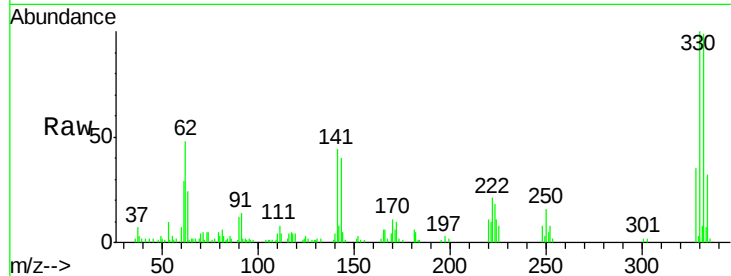
#41
 2,4,6-Tribromophenol
 Concen: 97.97 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	35794		
332	98.7	77.1	115.7	
141	44.5	35.0	52.6	

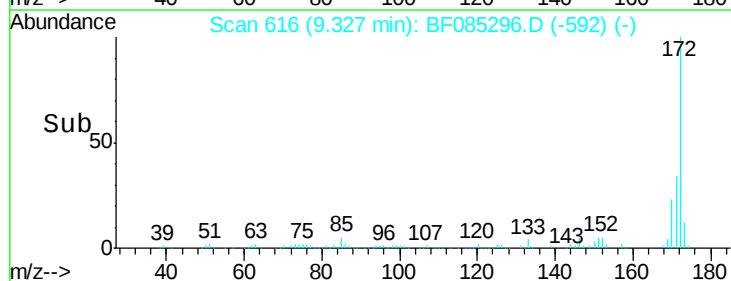
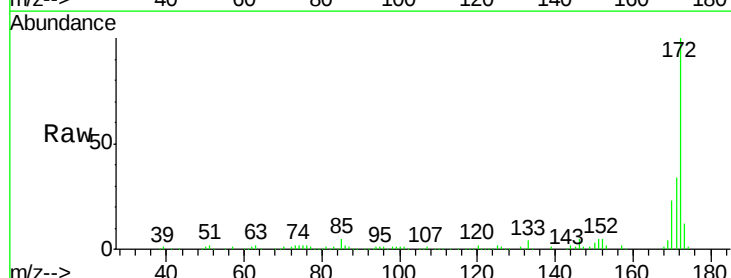
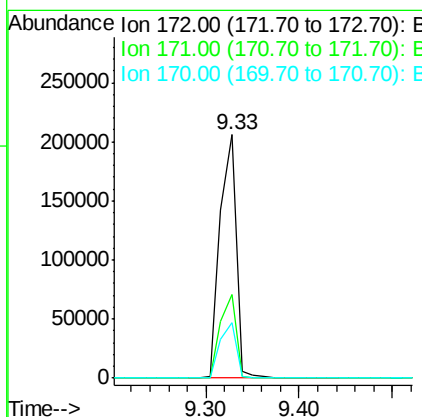
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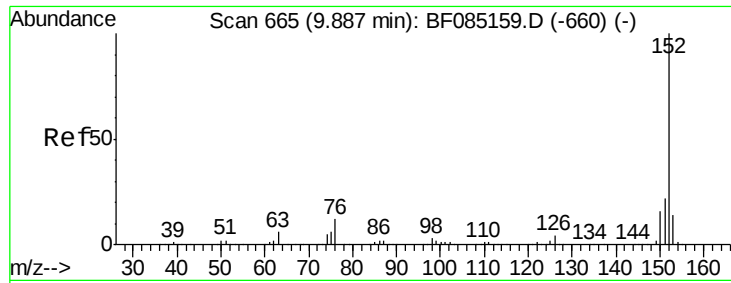
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#44
 2-Fluorobiphenyl
 Concen: 88.55 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	248600		
171	34.4	29.3	43.9	
170	22.6	20.0	30.0	





#48

Acenaphthylene

Concen: 3.93 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF085296.D

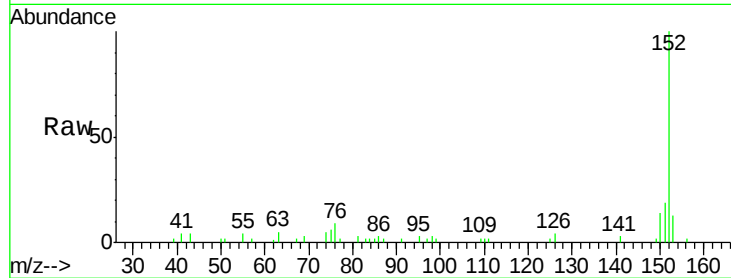
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Instrument :

BNA_F

ClientSampleId :

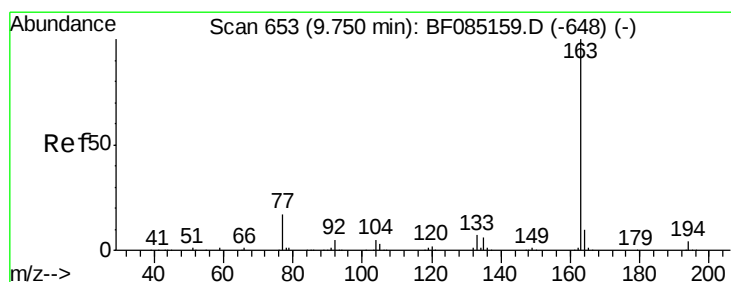
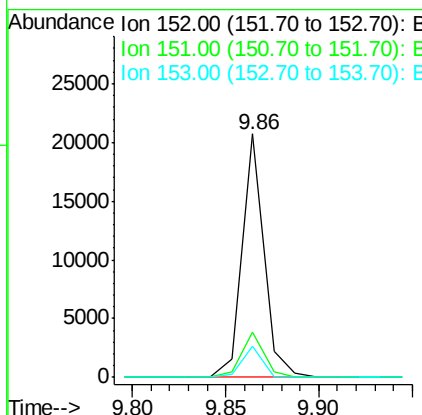
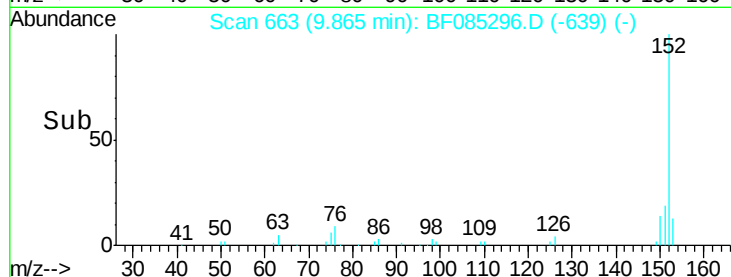
SP-002(0-2)RE



Tgt Ion:	152	Resp:	17027
Ion Ratio	Lower	Upper	
152	100		
151	18.6	17.5	26.3
153	13.0	11.3	16.9

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#49

Dimethylphthalate

Concen: 10.17 ng

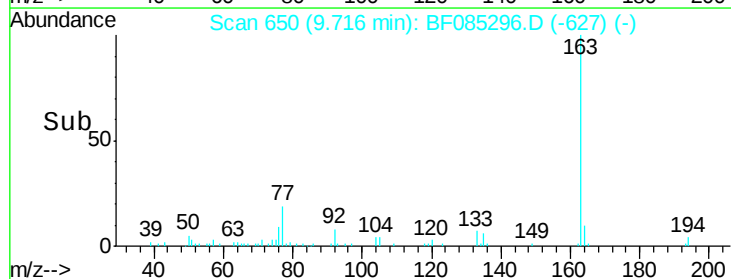
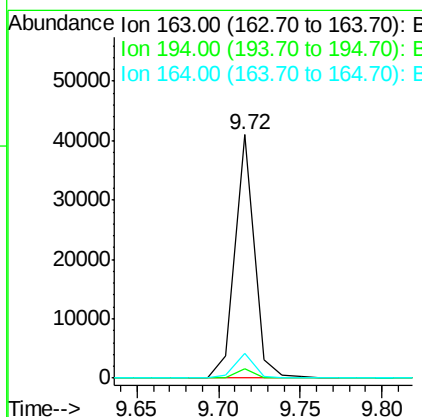
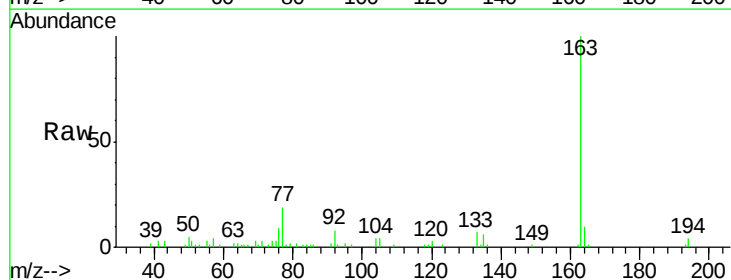
RT: 9.72 min Scan# 650

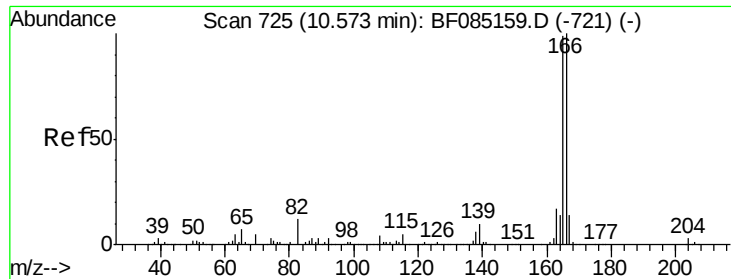
Delta R.T. -0.03 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion:	163	Resp:	33325
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	10.0	8.2	12.4





#57

Fluorene

Concen: 2.36 ng

RT: 10.55 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF085296.D

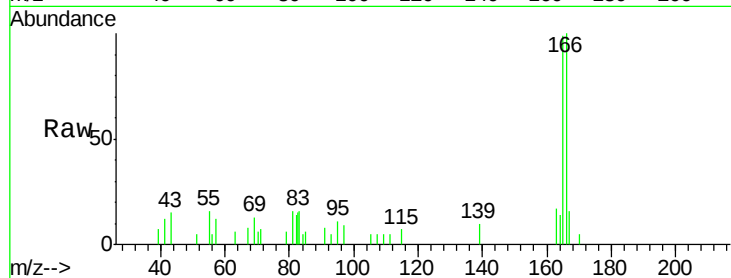
Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

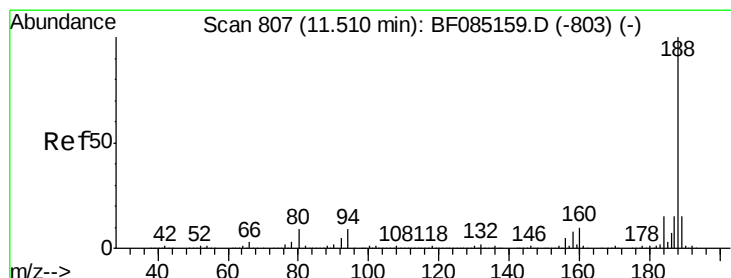
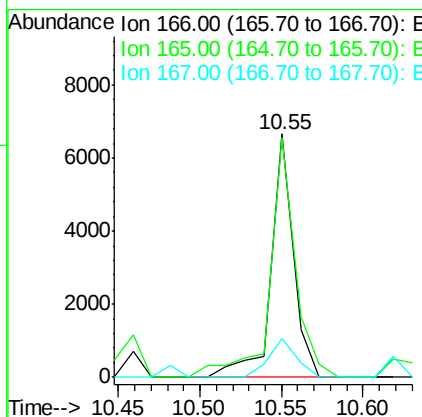
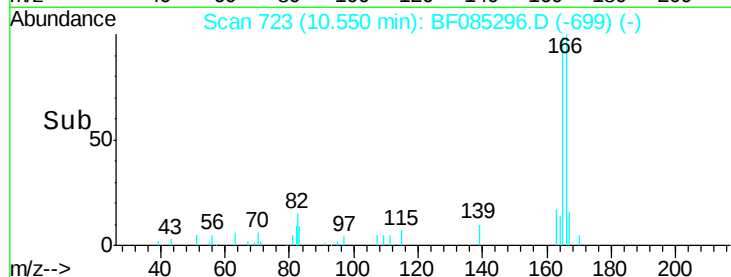
SP-002(0-2)RE



Tgt Ion:	166	Resp:	6393
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.4	119.0
167	16.0	11.0	16.6

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#63

Phenanthrene-d10

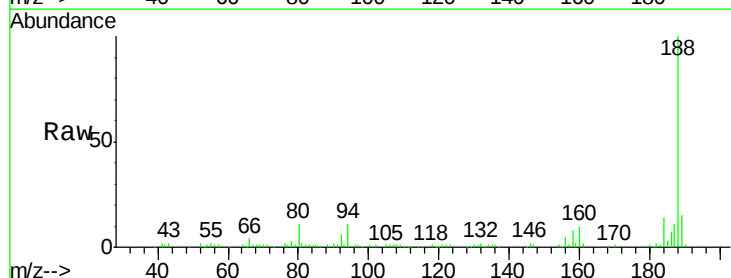
Concen: 20.00 ng

RT: 11.49 min Scan# 805

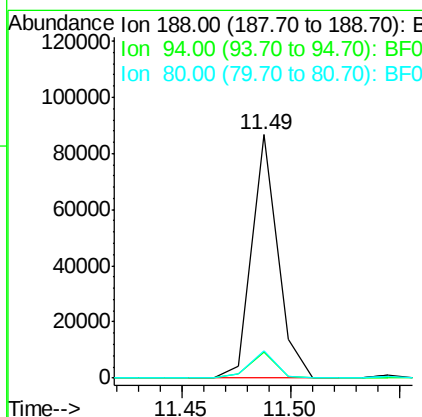
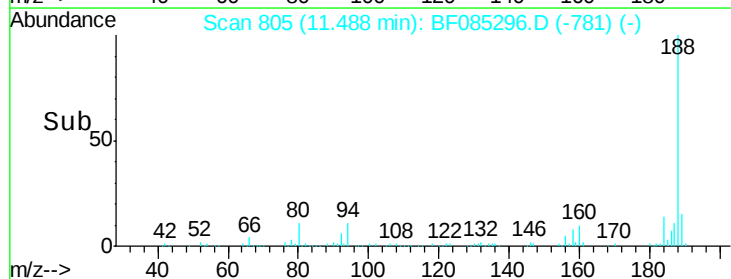
Delta R.T. -0.02 min

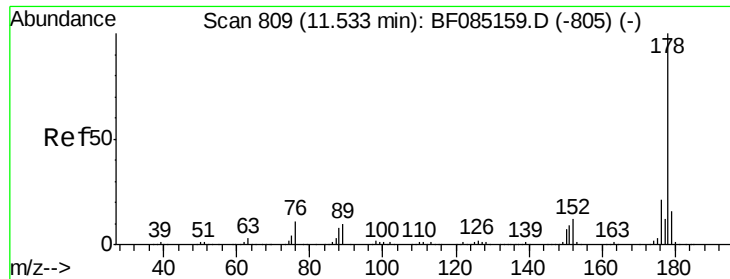
Lab File: BF085296.D

Acq: 9 Mar 2016 10:13



Tgt Ion:	188	Resp:	71840
Ion Ratio	Lower	Upper	
188	100		
94	10.8	7.0	10.6#
80	11.0	7.4	11.0





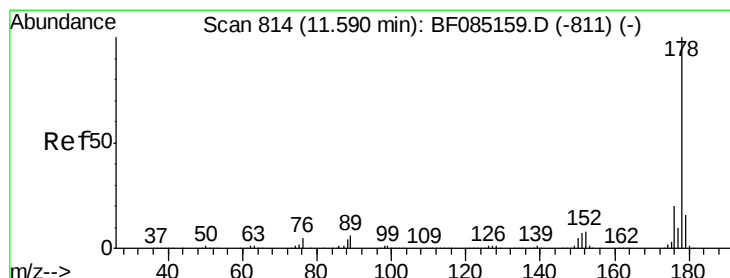
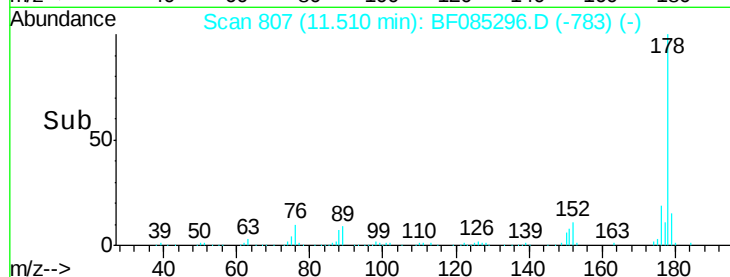
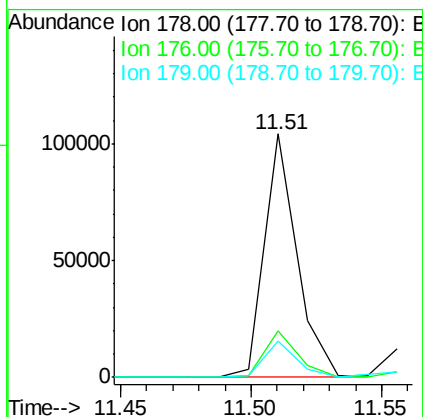
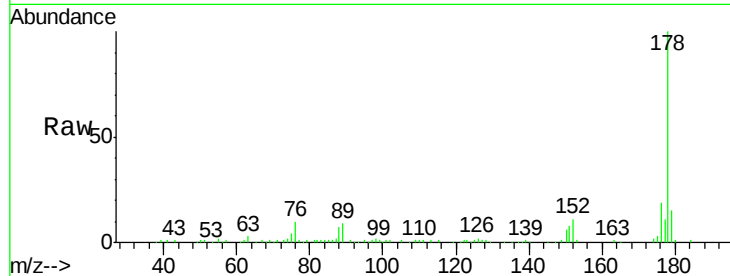
#70
Phenanthrene
Concen: 24.15 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	90906		
176	19.0	16.8	25.2	
179	14.8	13.1	19.7	

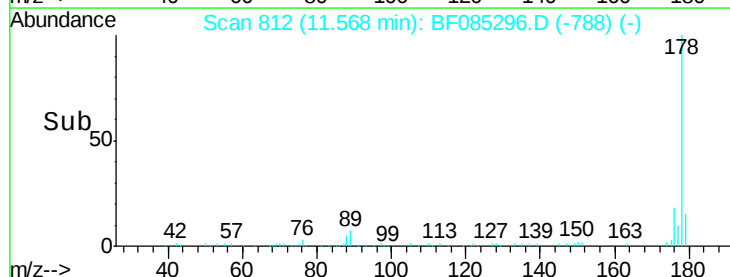
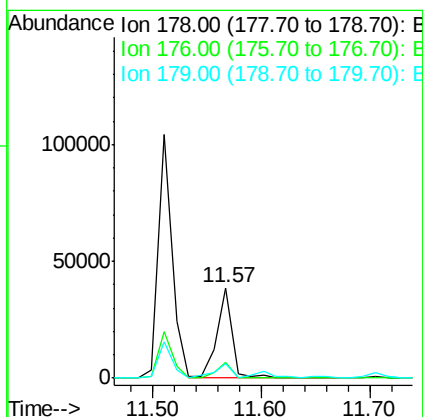
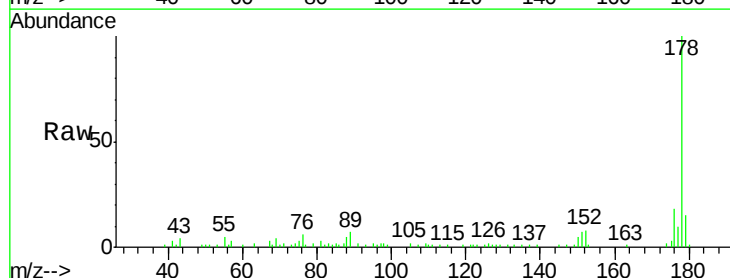
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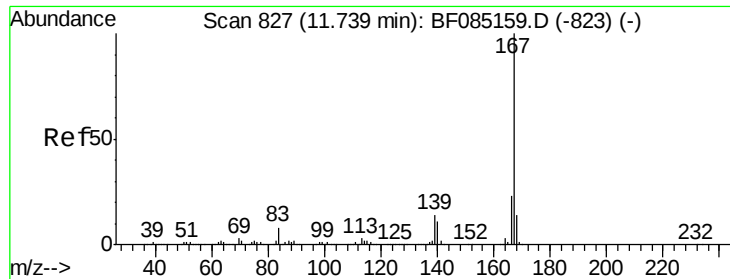
Sohil
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#71
Anthracene
Concen: 9.86 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39399		
176	18.1	15.9	23.9	
179	15.4	12.5	18.7	





#72

Carbazole

Concen: 4.24 ng

RT: 11.72 min Scan# 825

Delta R.T. -0.02 min

Lab File: BF085296.D

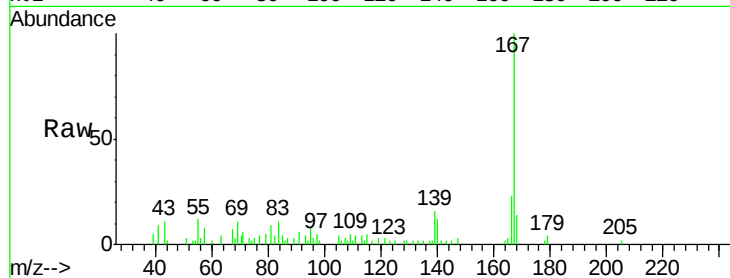
Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

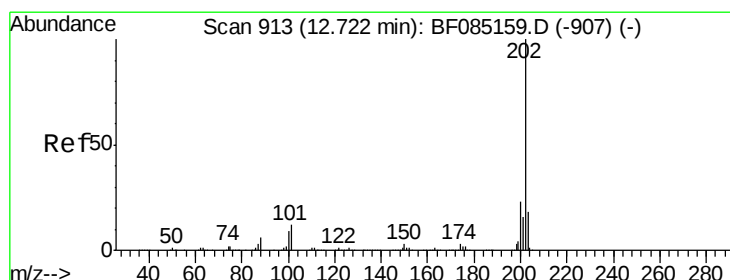
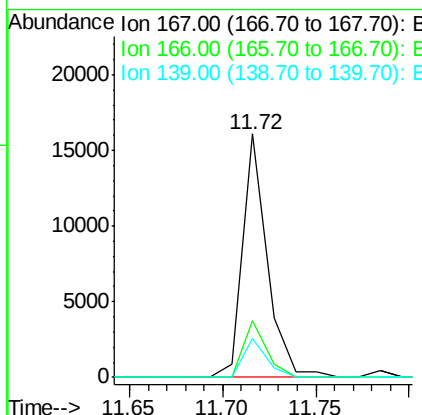
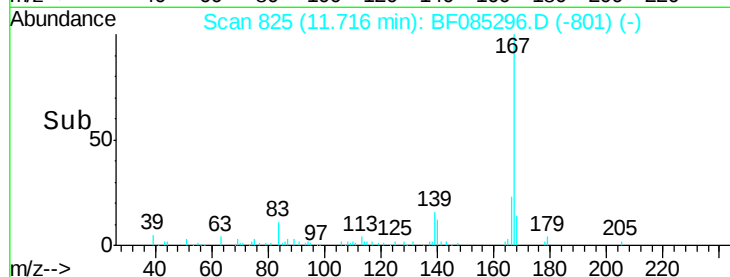
SP-002(0-2)RE



Tgt Ion:	167	Resp:	14863
Ion Ratio	Lower	Upper	
167	100		
166	23.3	18.2	27.2
139	16.1	11.4	17.0

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#74

Fluoranthene

Concen: 49.63 ng

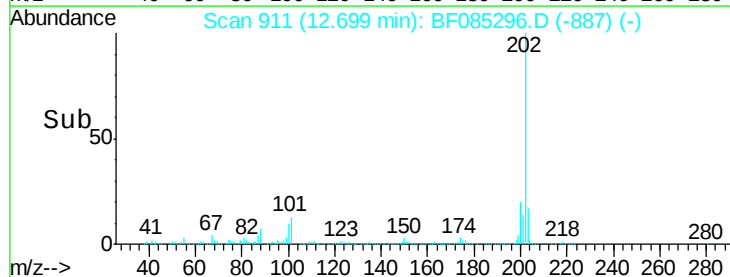
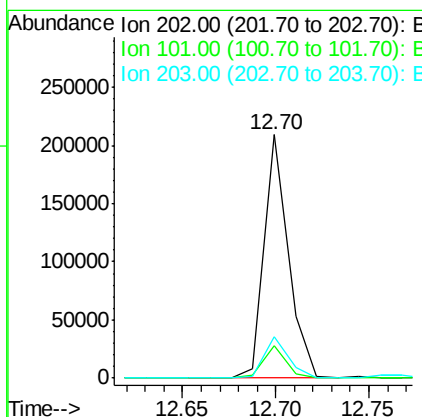
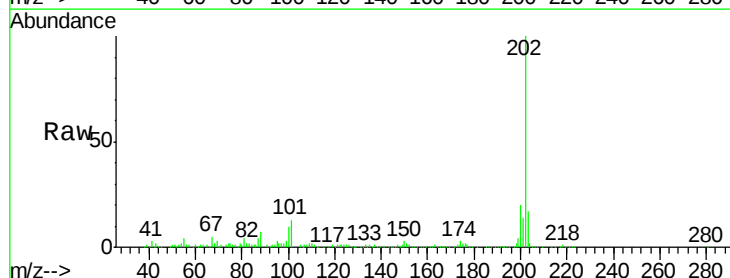
RT: 12.70 min Scan# 911

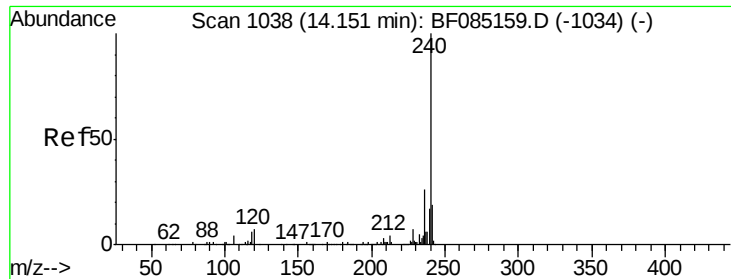
Delta R.T. -0.02 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion:	202	Resp:	187534
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.8
203	17.2	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: BF085296.D

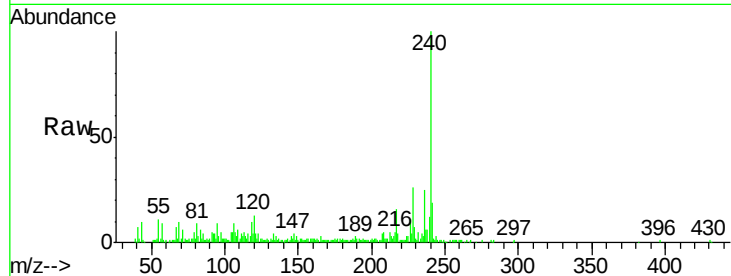
Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

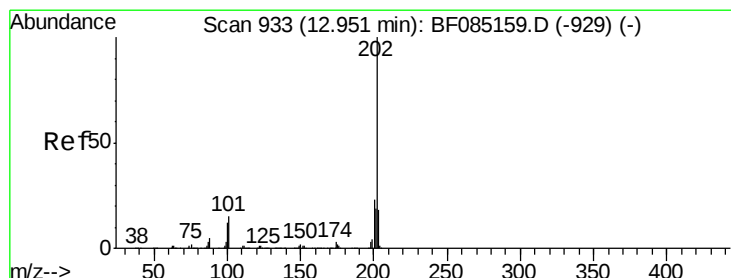
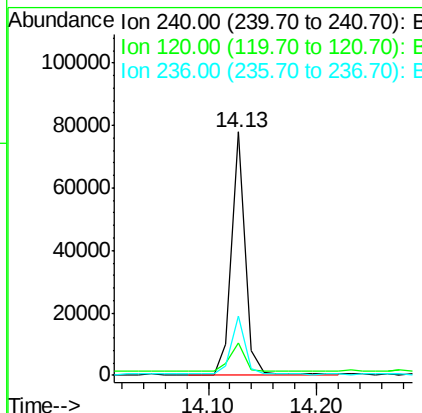
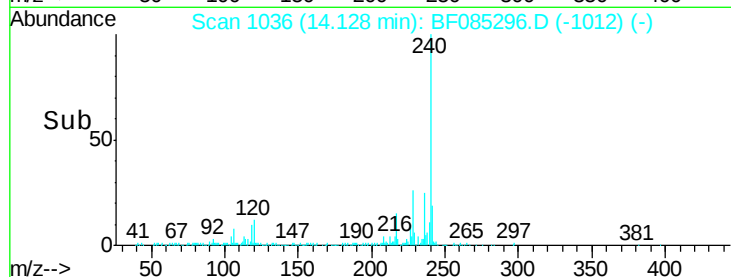
SP-002(0-2)RE



Tgt Ion:	240	Resp:	68606
Ion Ratio	Lower	Upper	
240	100		
120	13.1	5.3	7.9#
236	24.5	20.7	31.1

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#77

Pyrene

Concen: 33.51 ng

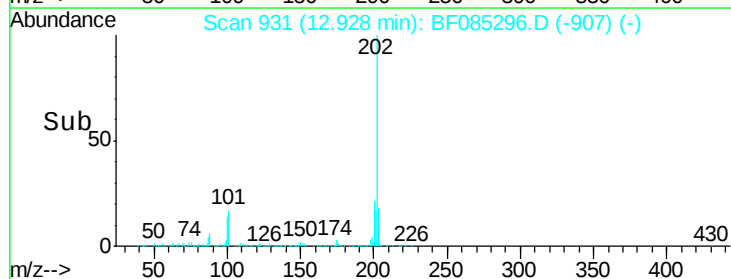
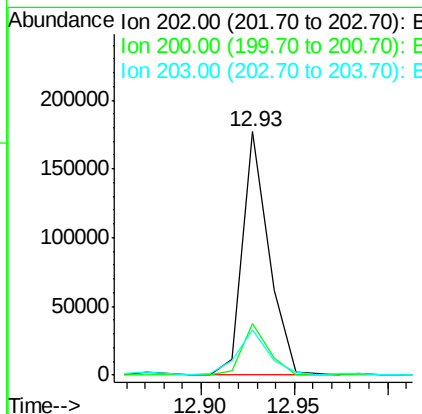
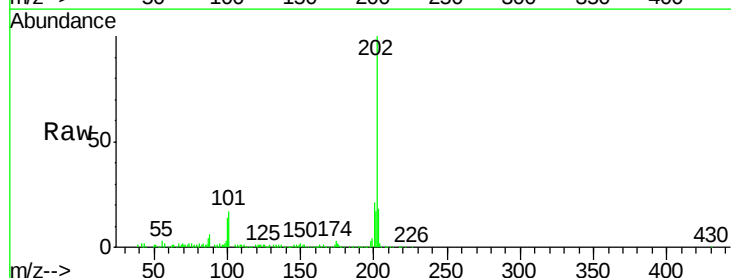
RT: 12.93 min Scan# 931

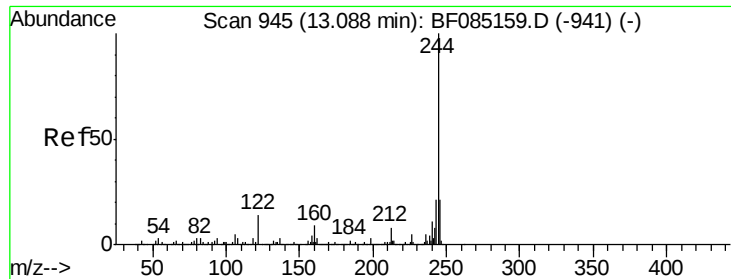
Delta R.T. -0.02 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion:	202	Resp:	173030
Ion Ratio	Lower	Upper	
202	100		
200	20.9	18.2	27.4
203	18.3	14.7	22.1





#78

Terphenyl-d14

Concen: 57.19 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085296.D

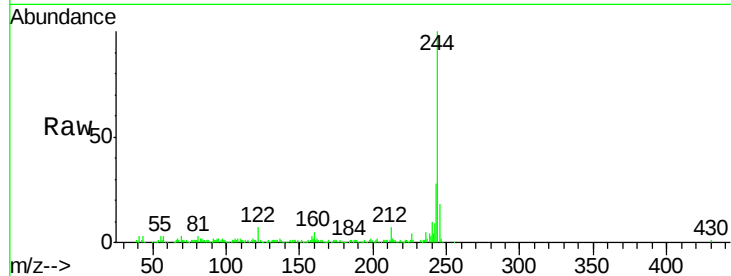
Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

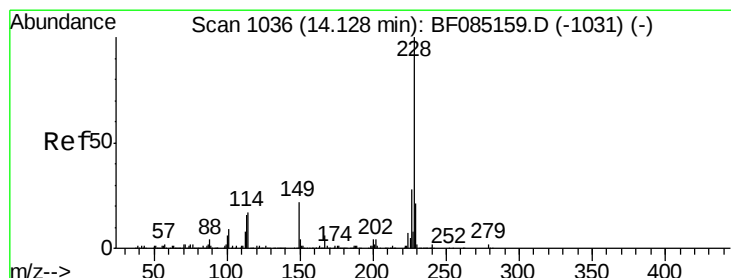
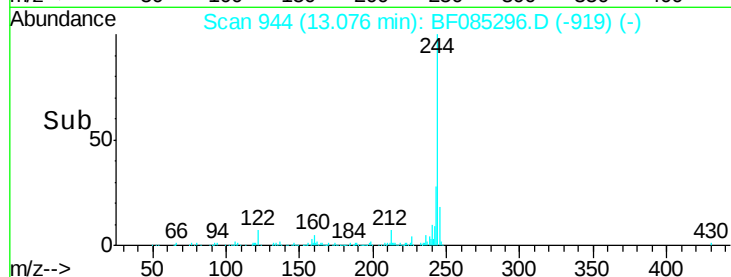
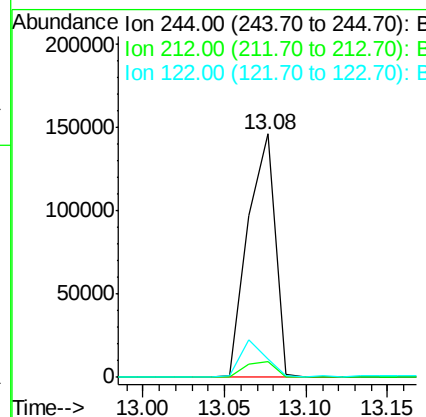
SP-002(0-2)RE



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	169007		
212	6.5	6.4	9.6	
122	7.4	11.4	17.2	

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#80

Benzo(a)anthracene

Concen: 22.14 ng m

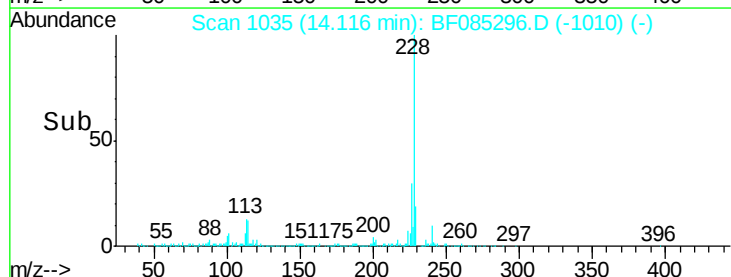
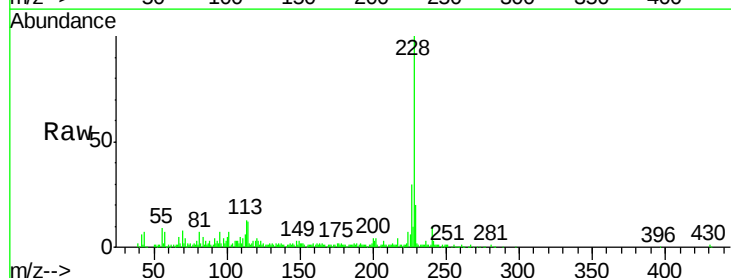
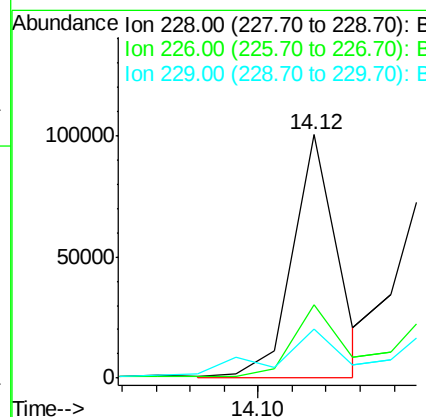
RT: 14.12 min Scan# 1035

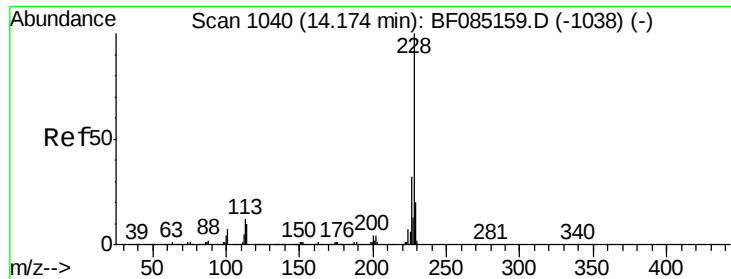
Delta R.T. -0.01 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	90942		
226	30.3	22.8	34.2	
229	20.2	16.6	24.8	





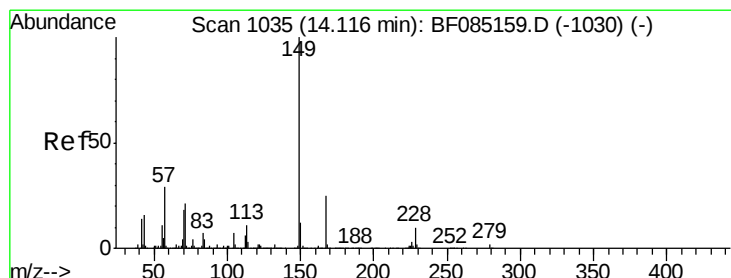
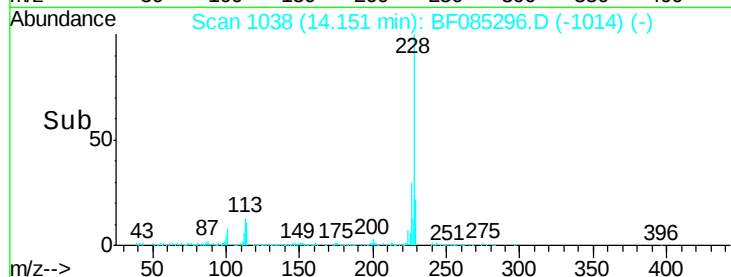
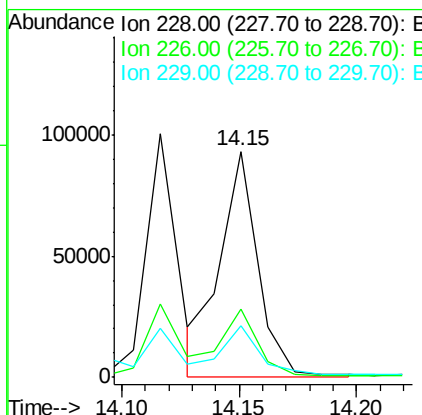
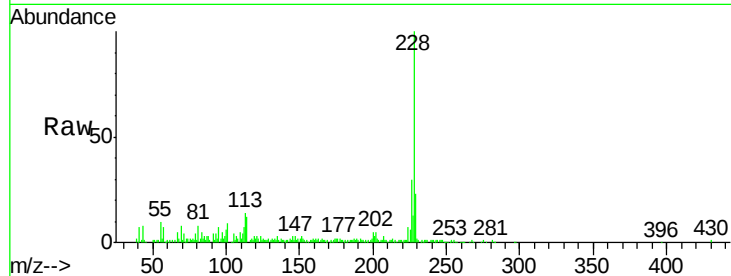
#82
Chrysene
Concen: 27.30 ng m
RT: 14.15 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)RE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	103560		
226	30.4	25.2	37.8	
229	22.8	16.0	24.0	

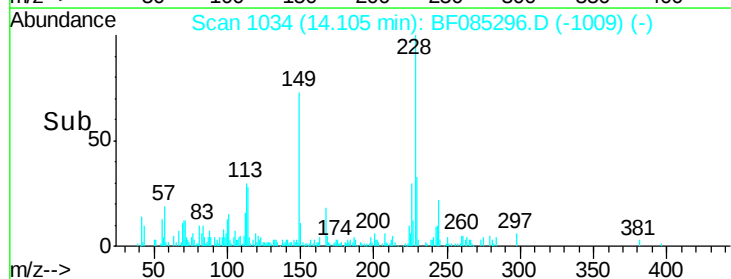
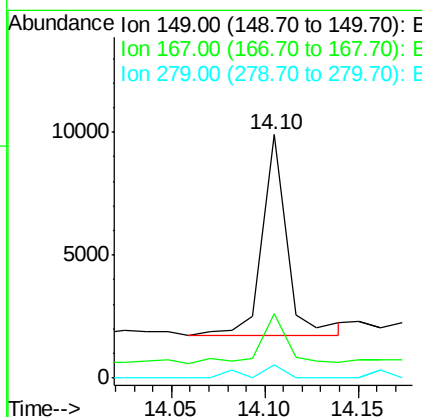
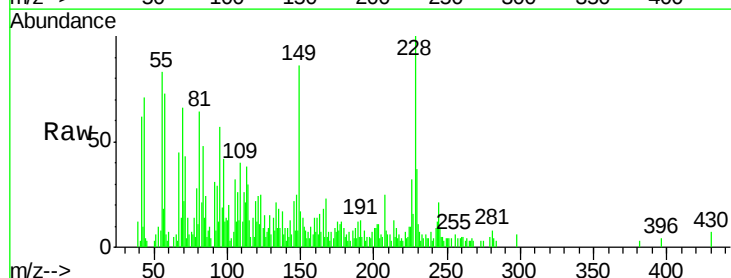
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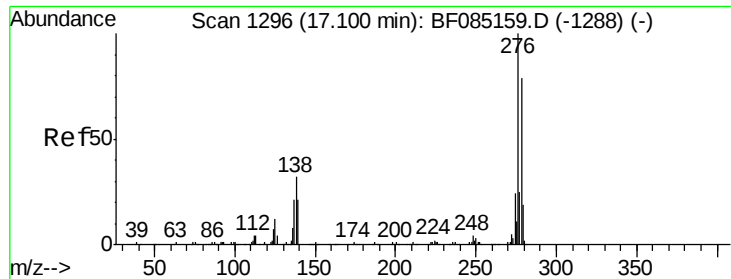
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.46 ng
RT: 14.10 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	7574		
167	26.4	20.3	30.5	
279	5.3	1.9	2.9	





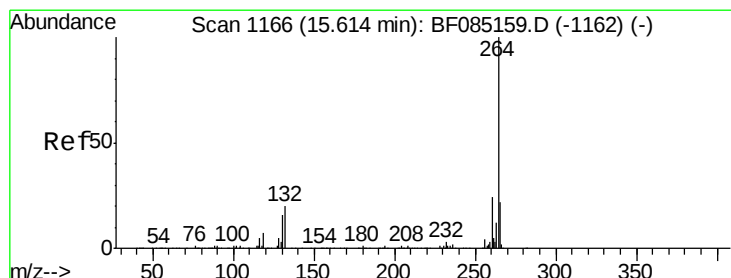
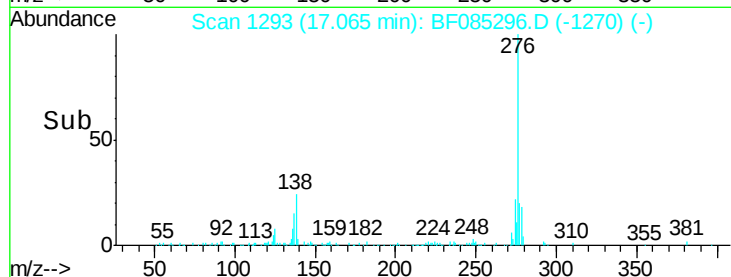
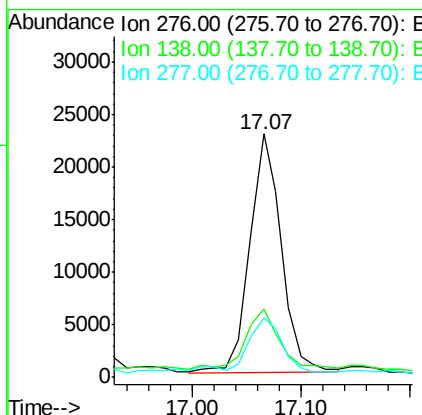
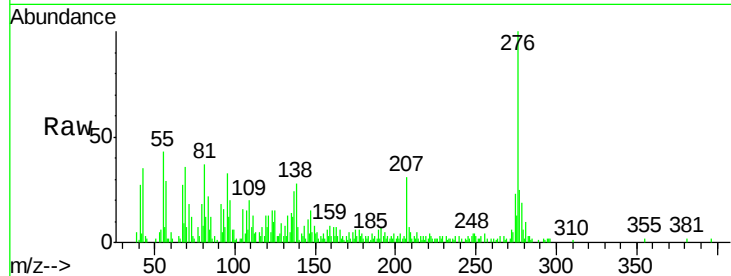
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.50 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-002(0-2)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	26.4	39.6
277	27.2	20.2	30.2

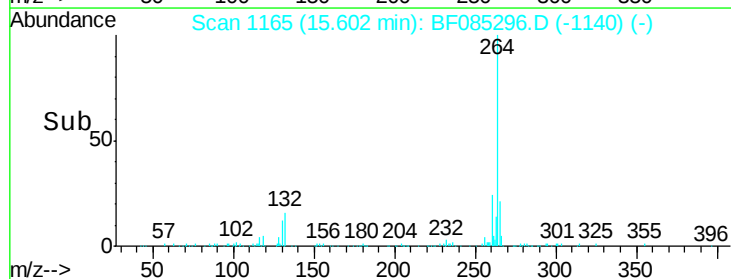
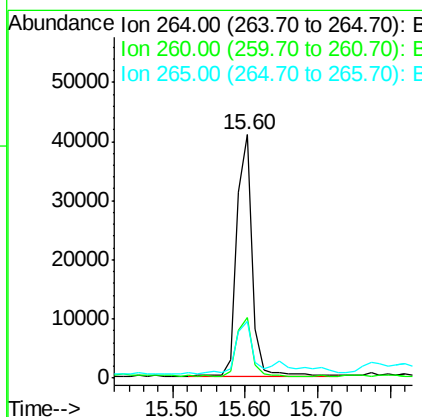
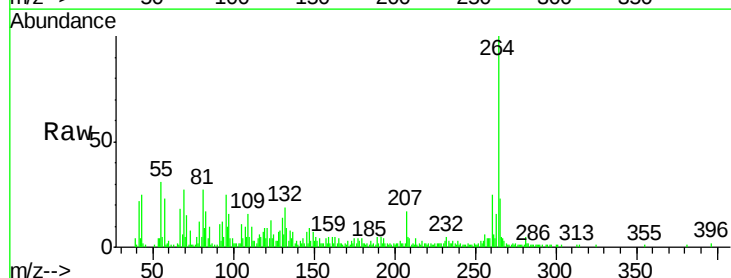
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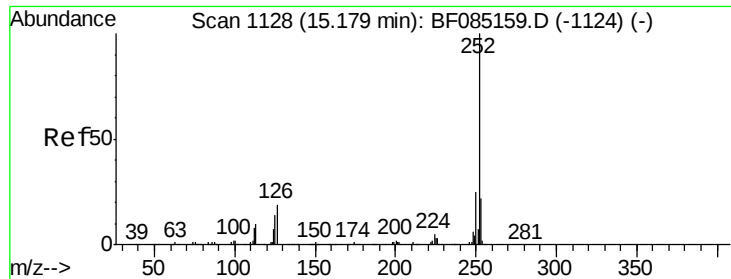
Sohil
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085296.D
 Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	23.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 32.67 ng m

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

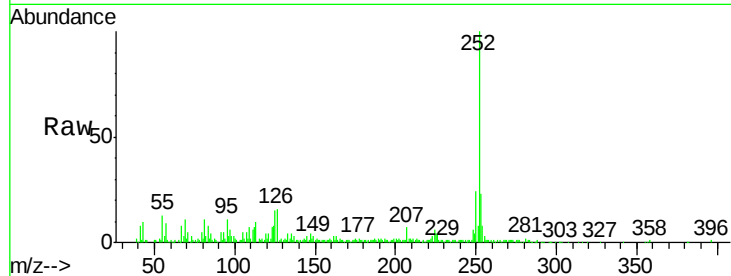
ClientSampleId :

SP-002(0-2)RE

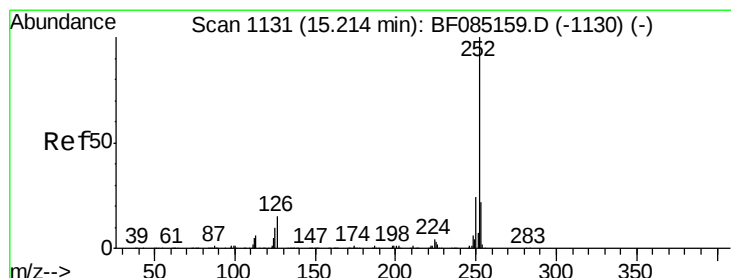
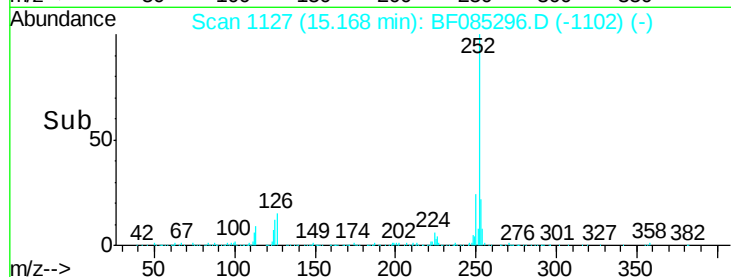
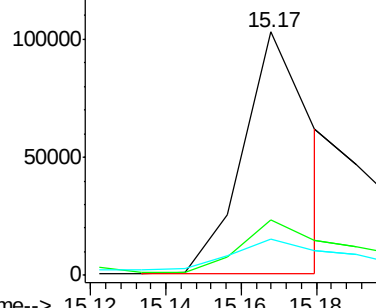
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.7	11.3	16.9

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 16.97 ng m

RT: 15.18 min Scan# 1128

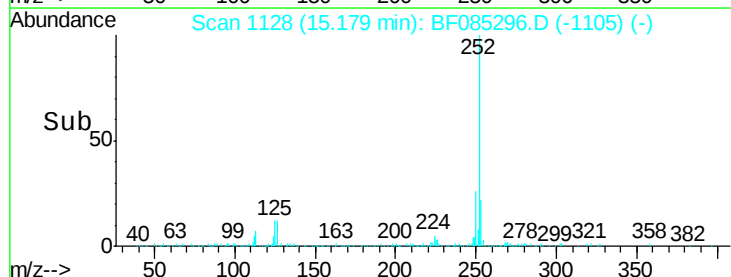
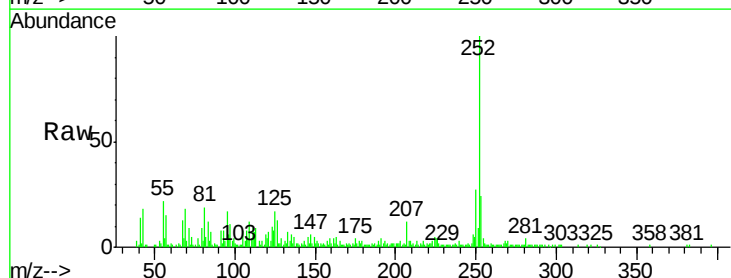
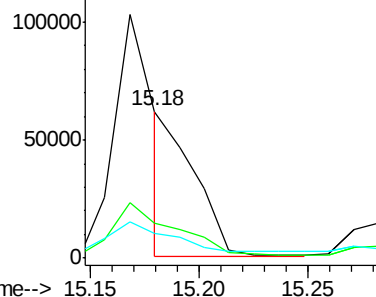
Delta R.T. -0.03 min

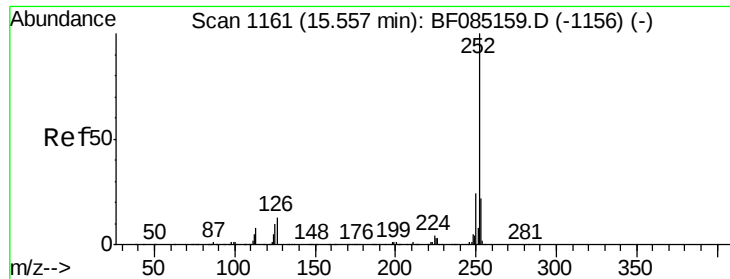
Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	16.5	10.4	15.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





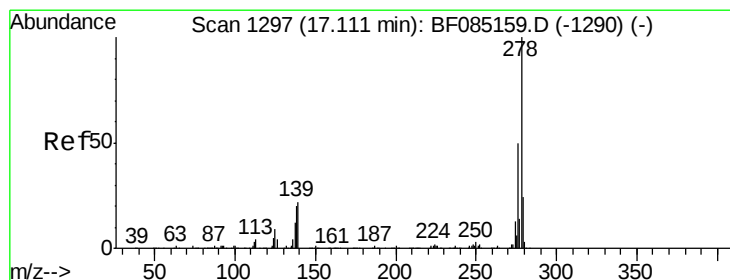
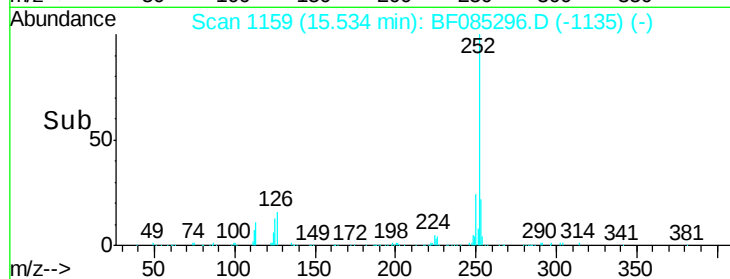
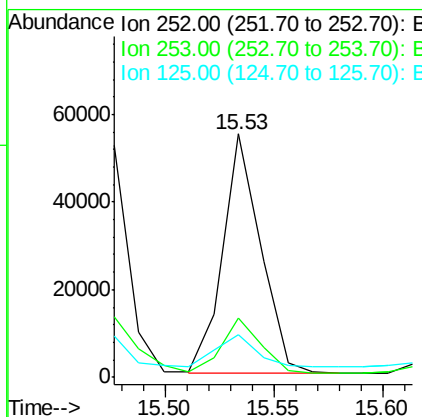
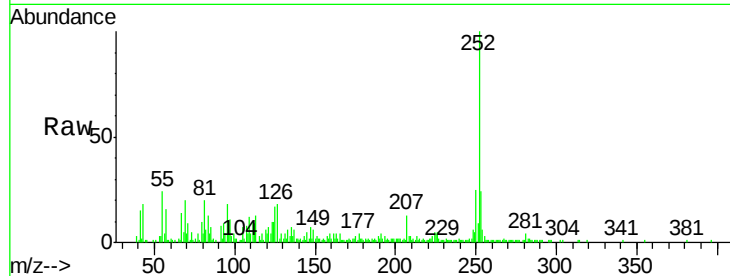
#89
Benzo(a)pyrene
Concen: 20.07 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Instrument :
BNA_F
ClientSampleId :
SP-002(0-2)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	17.4	8.2	12.4#

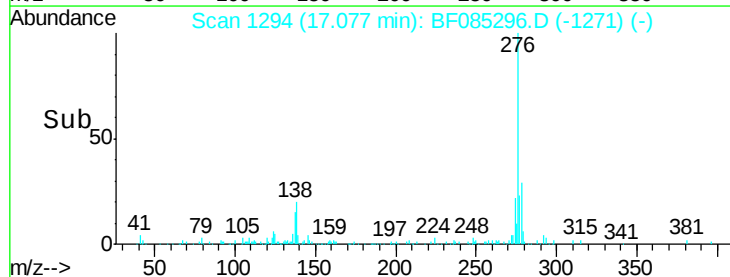
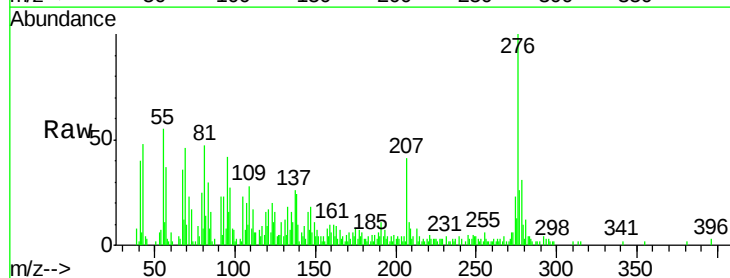
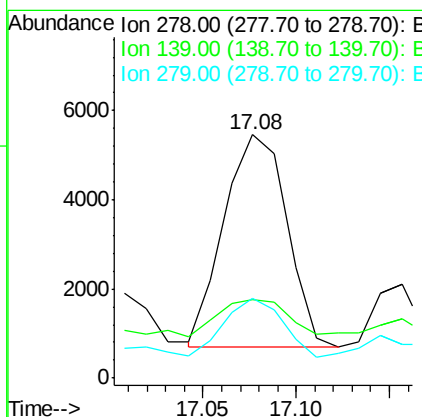
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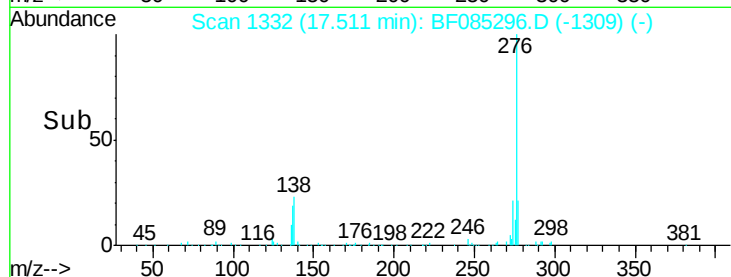
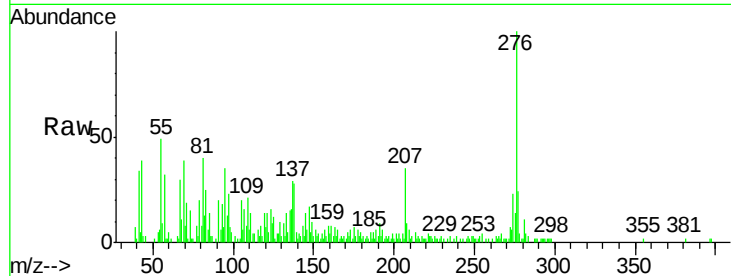
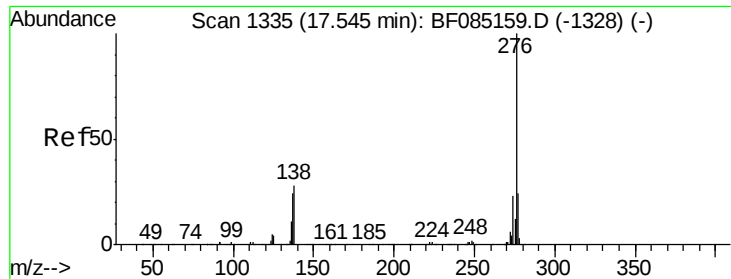
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#90
Dibenzo(a,h)anthracene
Concen: 3.96 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.03 min
Lab File: BF085296.D
Acq: 9 Mar 2016 10:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.2	17.3	25.9#
279	32.8	19.2	28.8#





#91

Benzo(g,h,i)perylene

Concen: 14.62 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085296.D

Acq: 9 Mar 2016 10:13

Instrument :

BNA_F

ClientSampleId :

SP-002(0-2)RE

Tgt Ion:	276	Resp:	41444
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.0	28.4
138	28.4	22.5	33.7

Manual Integrations
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