

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
 Data File : BF085346.D
 Acq On : 10 Mar 2016 21:26
 Operator : UM/SJ
 Sample : H1753-25
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Manual Integrations
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 3/11/2016 4:58:42 PM

Quant Time: Mar 11 00:49:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 00:01:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	163900	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	600246	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	221884	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	353764	20.00	ng	0.00
75) Chrysene-d12	14.11	240	263891	20.00	ng	0.00
86) Perylene-d12	15.57	264	261143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	949352	97.16	ng	0.01
7) Phenol-d6	6.56	99	1316677	102.85	ng	0.00
23) Nitrobenzene-d5	7.50	82	728044	64.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	212717	112.04	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1160258	79.53	ng	0.00
78) Terphenyl-d14	13.05	244	754022	66.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.24	128	328504	11.13	ng	98
37) 2-Methylnaphthalene	8.94	142	59800	3.16	ng	98
49) Dimethylphthalate	9.69	163	169923	9.98	ng	99
51) Acenaphthene	10.01	154	67369	4.93	ng	96
54) Dibenzofuran	10.18	168	103655	5.79	ng	92
57) Fluorene	10.53	166	115465	8.22	ng	98
70) Phenanthrene	11.49	178	756979	40.83	ng	98
71) Anthracene	11.54	178	200743	10.20	ng	96
72) Carbazole	11.69	167	79606	4.61	ng	98
74) Fluoranthene	12.68	202	701093	37.68	ng	98
77) Pyrene	12.90	202	609144	30.67	ng	98
80) Benzo(a)anthracene	14.09	228	329044	20.83	ng	99
82) Chrysene	14.13	228	206658	14.16	ng	96
85) Indeno(1,2,3-cd)pyrene	17.03	276	136550m	11.99	ng	
87) Benzo(b)fluoranthene	15.15	252	322490m	18.53	ng	
88) Benzo(k)fluoranthene	15.17	252	120375m	8.57	ng	
89) Benzo(a)pyrene	15.51	252	244267	16.93	ng	97
90) Dibenzo(a,h)anthracene	17.03	278	34357m	2.79	ng	
91) Benzo(g,h,i)perylene	17.47	276	129060	10.42	ng	99

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

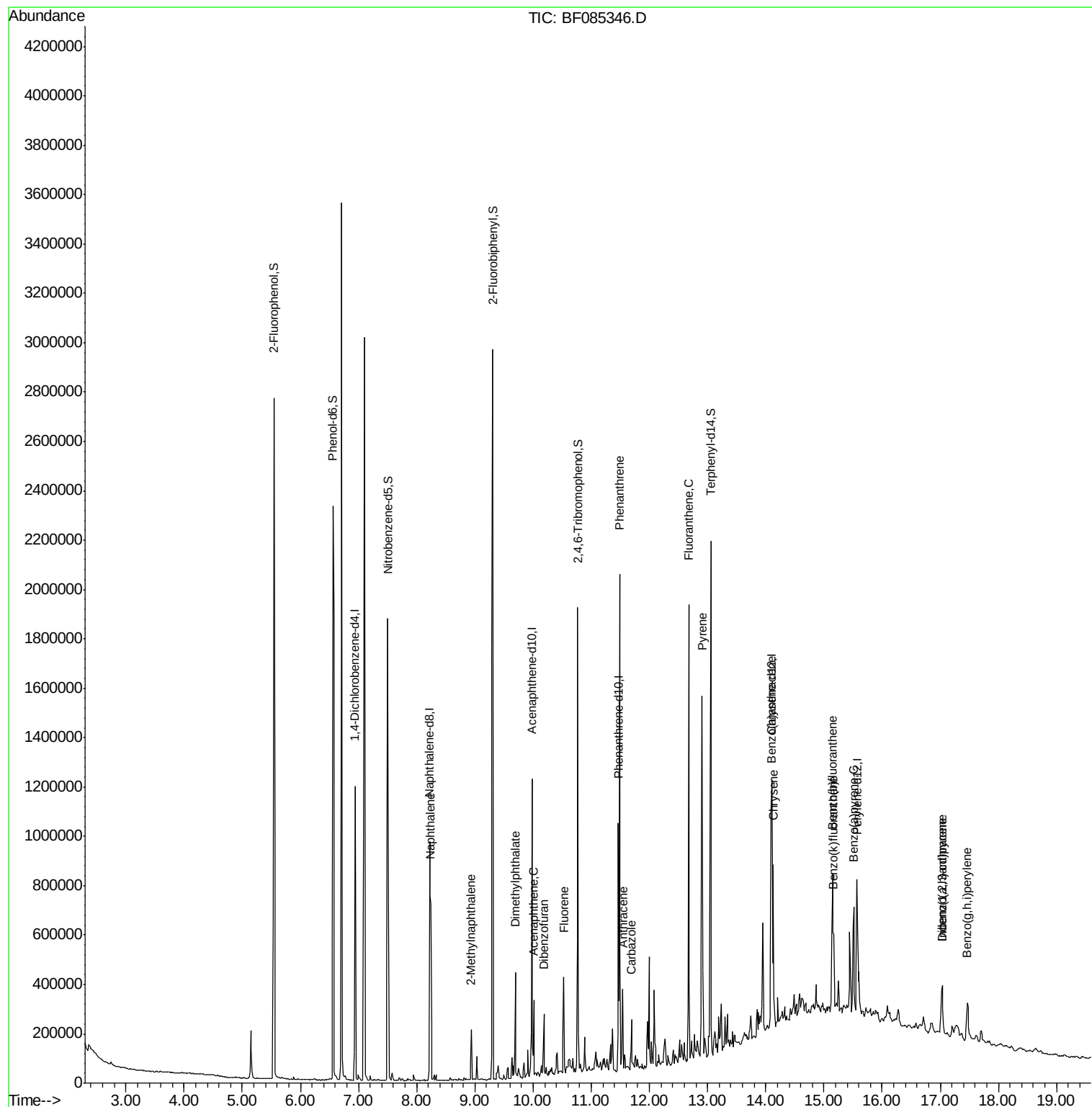
Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
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ALS Vial : 19 Sample Multiplier: 1

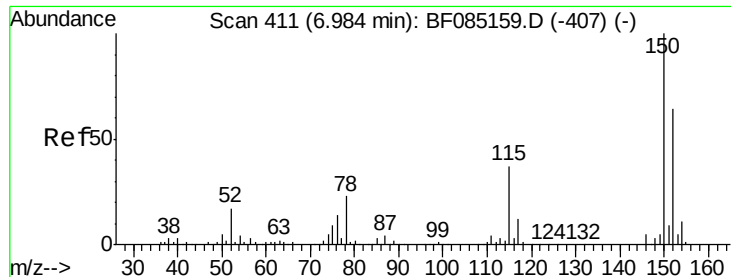
Instrument :
BNA_F
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TEC-COMP7

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#1

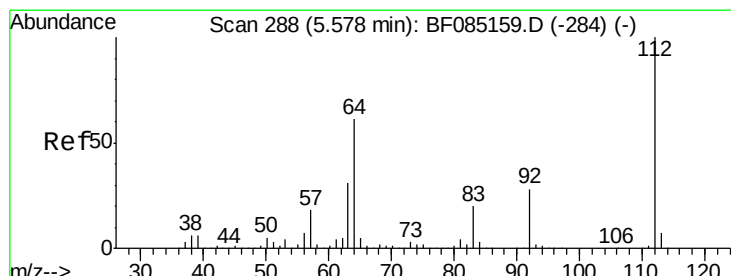
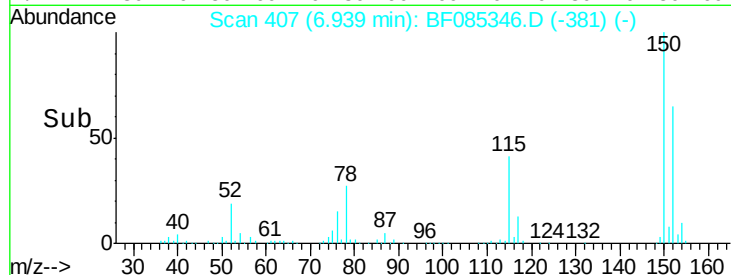
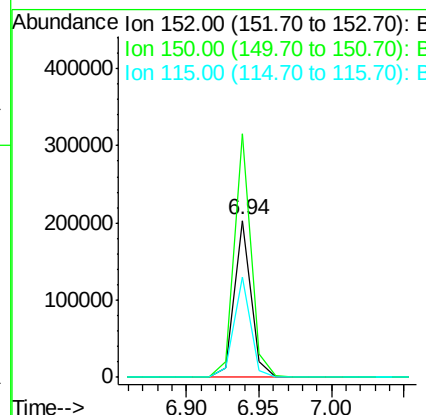
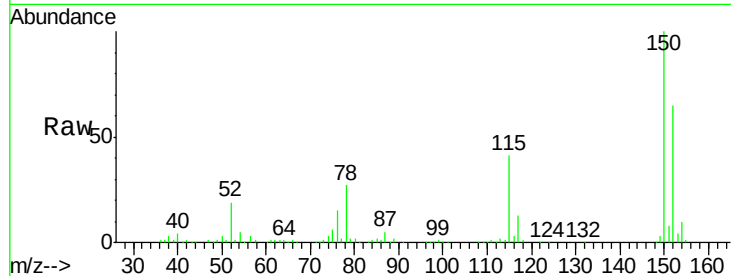
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-COMP7

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	163900		
150	154.9	124.6	186.8	
115	64.0	46.6	70.0	

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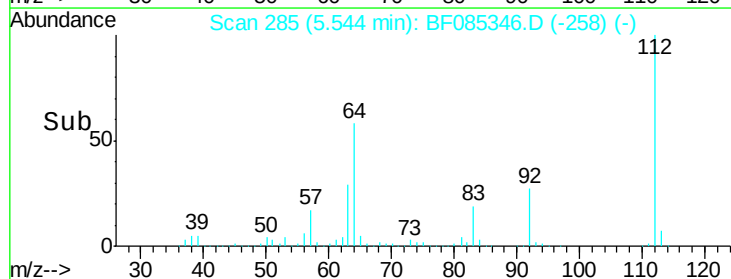
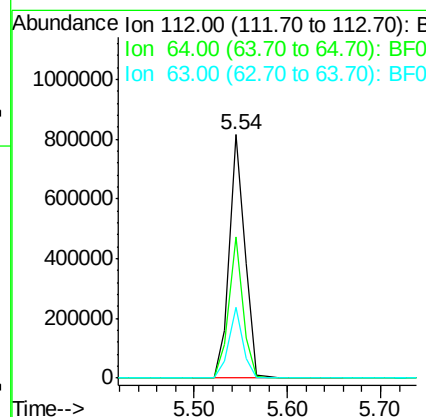
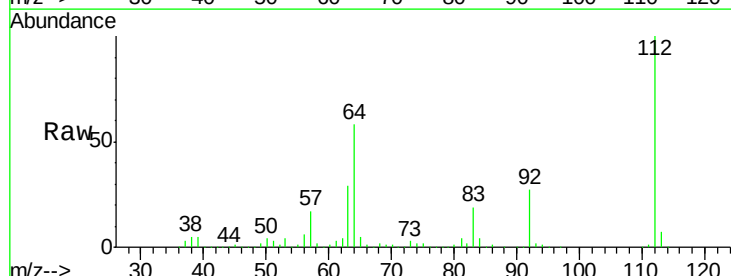
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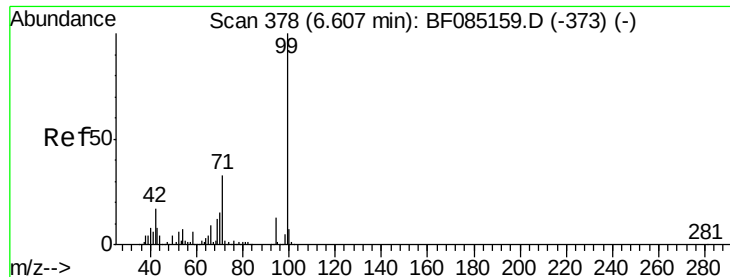


#5

2-Fluorophenol
Concen: 97.16 ng
RT: 5.54 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	949352		
64	58.0	49.0	73.4	
63	29.1	24.8	37.2	





#7

Phenol-d6

Concen: 102.85 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

TEC-COMP7

Tgt Ion: 99 Resp: 131677

Ion Ratio Lower Upper

99 100

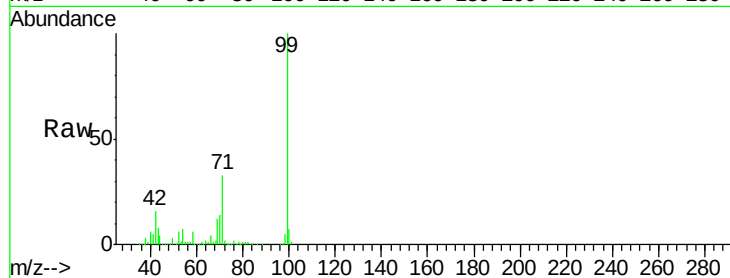
42 15.8 13.6 20.4

71 33.5 26.7 40.1

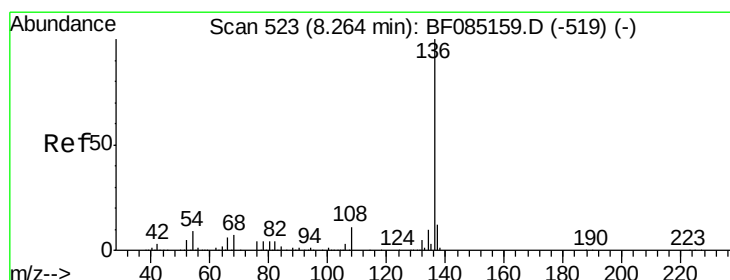
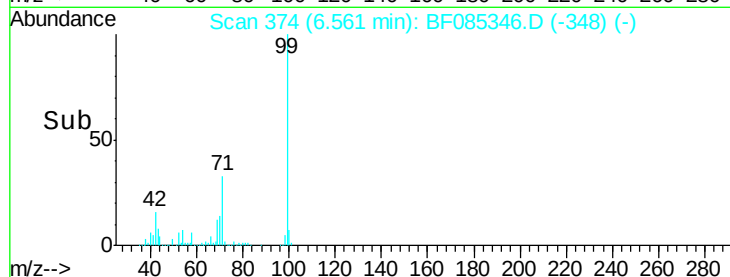
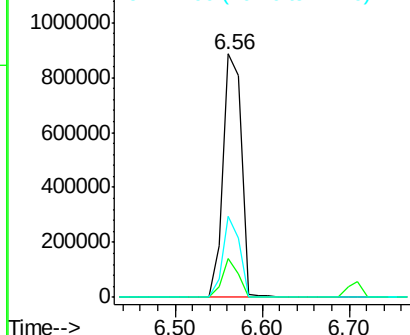
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Tgt Ion: 136 Resp: 600246

Ion Ratio Lower Upper

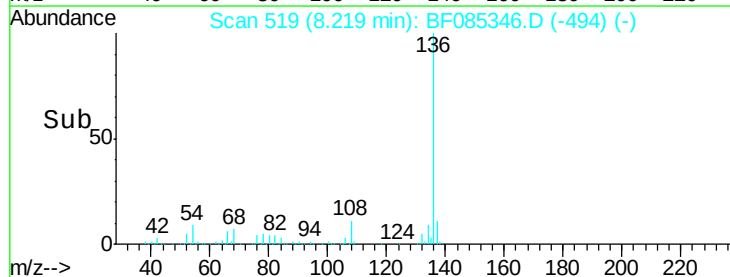
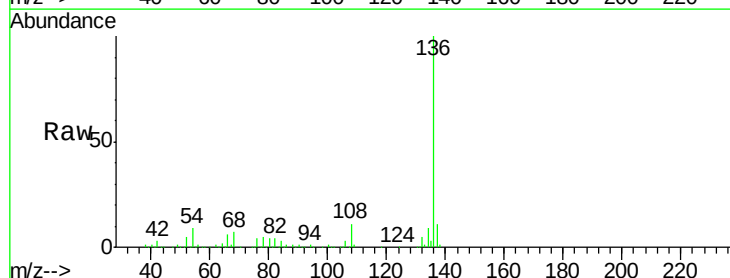
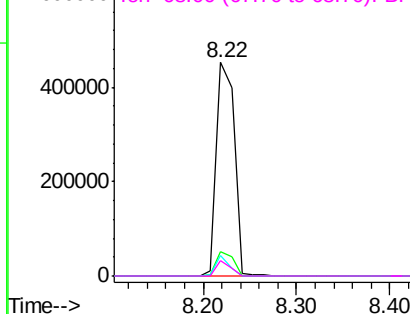
136 100

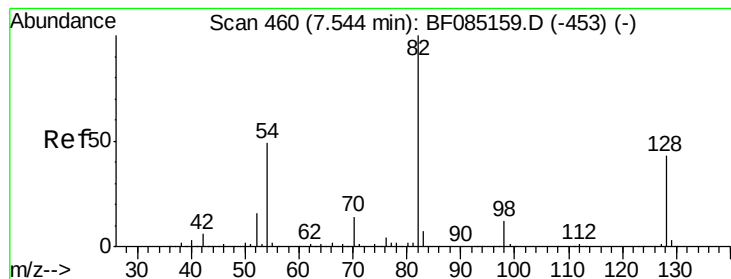
137 11.2 9.3 13.9

54 9.5 7.4 11.2

68 7.4 6.0 9.0

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 64.91 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Instrument :

BNA_F

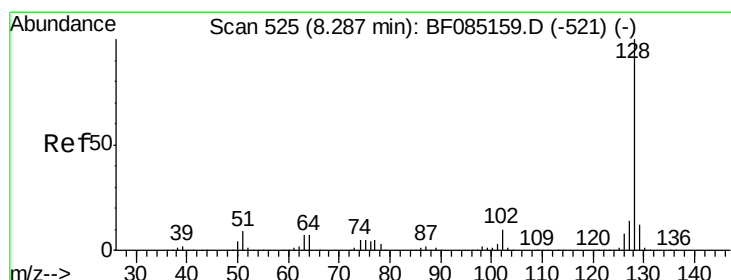
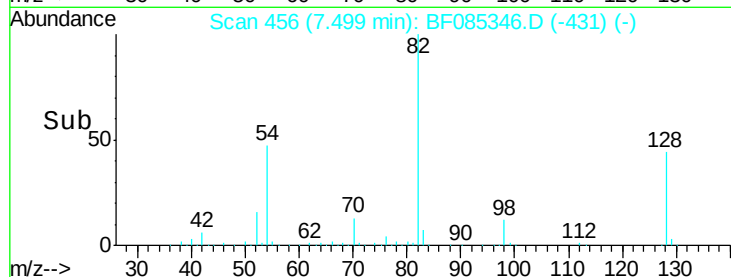
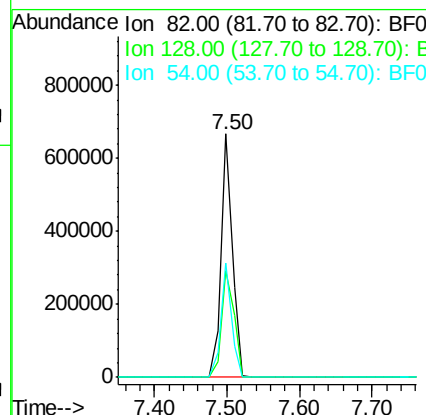
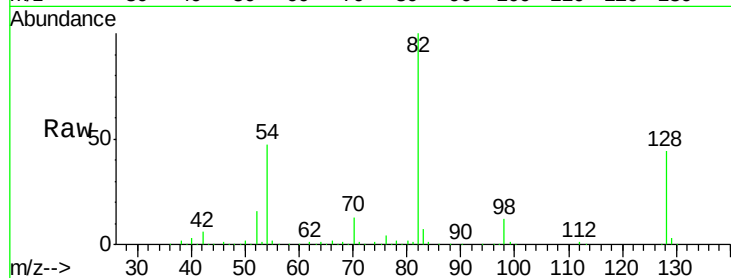
ClientSampled :

TEC-COMP7

Tgt Ion:	82	Resp:	728044
Ion Ratio	Lower	Upper	
82	100		
128	43.8	34.5	51.7
54	47.2	39.3	58.9

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#31

Naphthalene

Concen: 11.13 ng

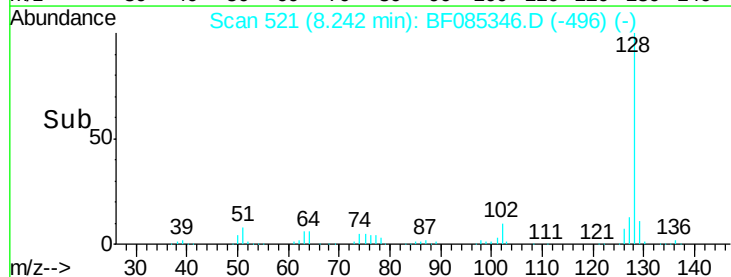
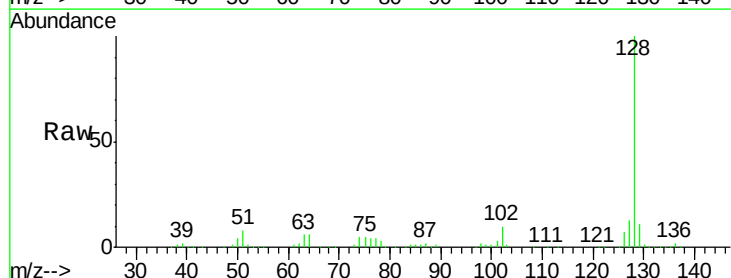
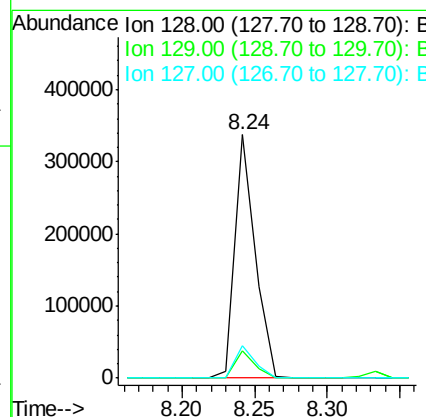
RT: 8.24 min Scan# 521

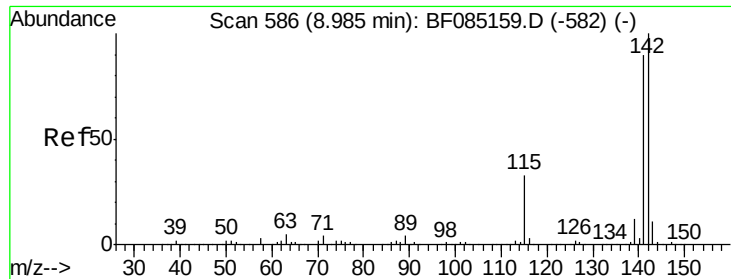
Delta R.T. -0.01 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Tgt Ion:	128	Resp:	328504
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.7	14.5
127	13.2	11.2	16.8





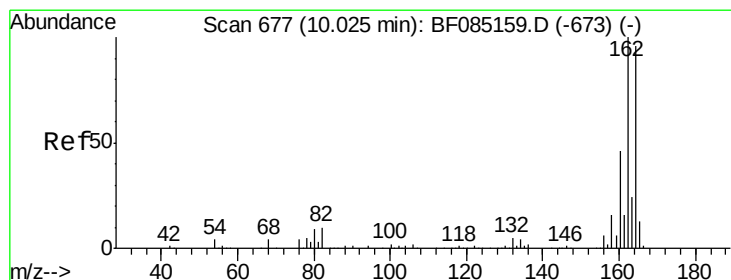
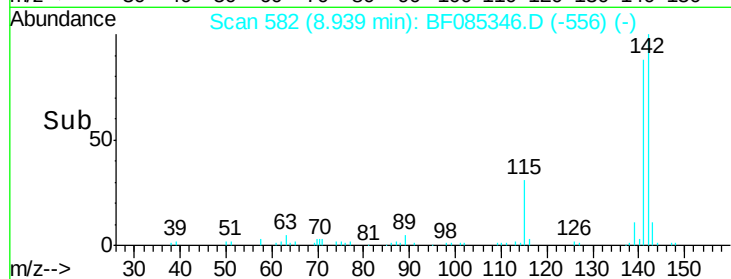
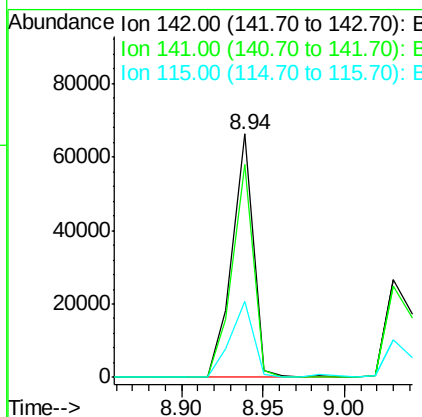
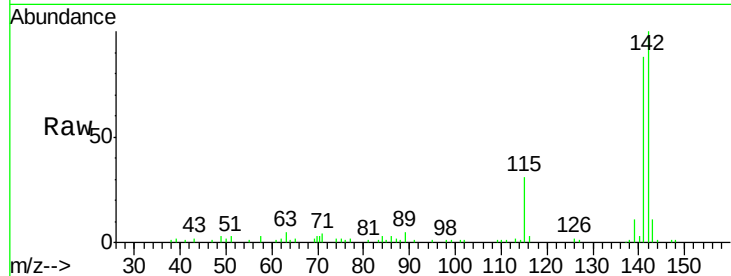
#37
 2-Methylnaphthalene
 Concen: 3.16 ng
 RT: 8.94 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.7	107.5
115	31.1	26.2	39.4

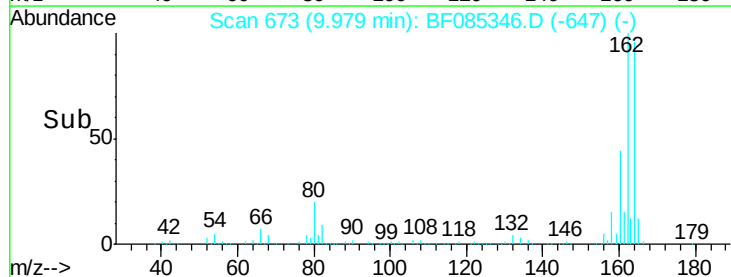
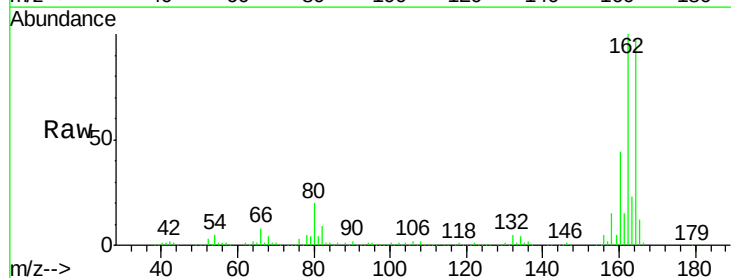
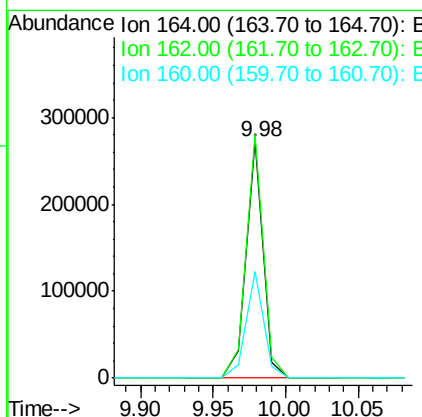
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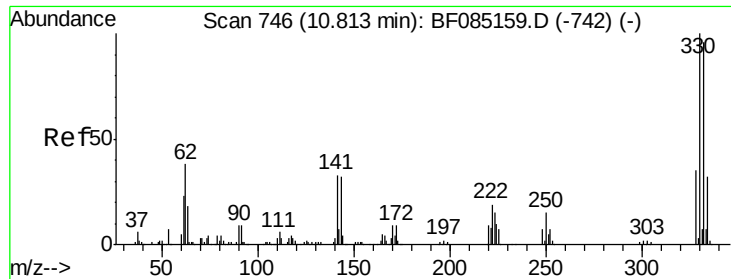
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.3	124.9
160	45.3	37.9	56.9





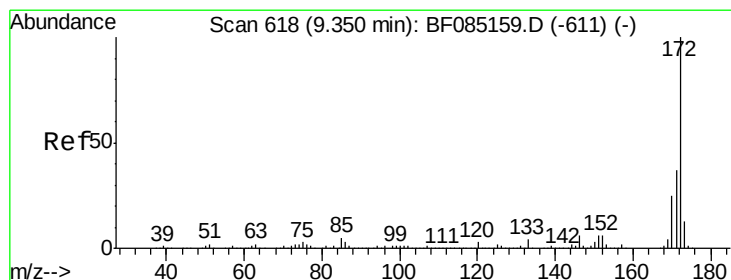
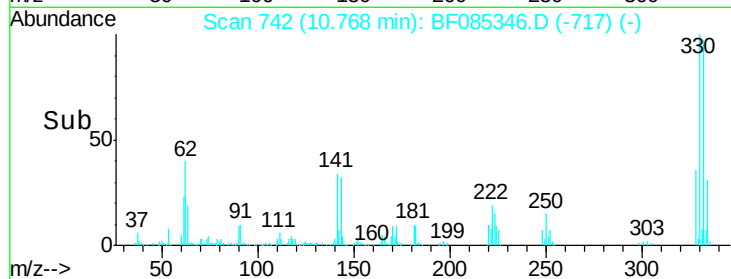
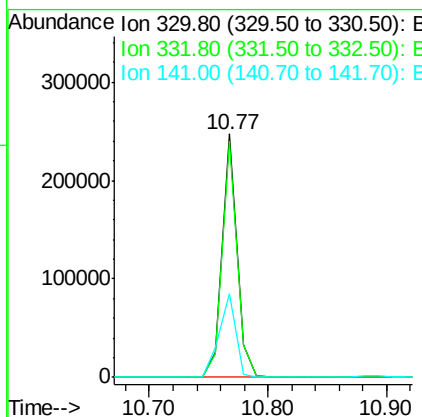
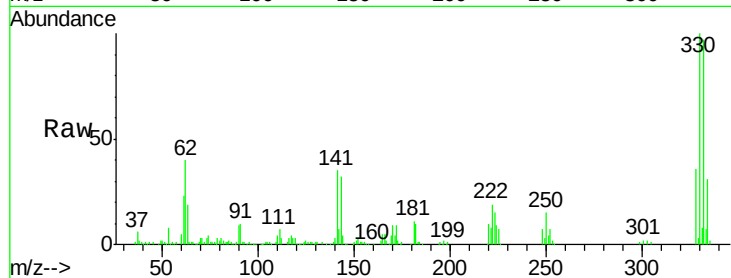
#41
 2,4,6-Tribromophenol
 Concen: 112.04 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	212717		
332	96.9	77.1	115.7	
141	38.6	35.0	52.6	

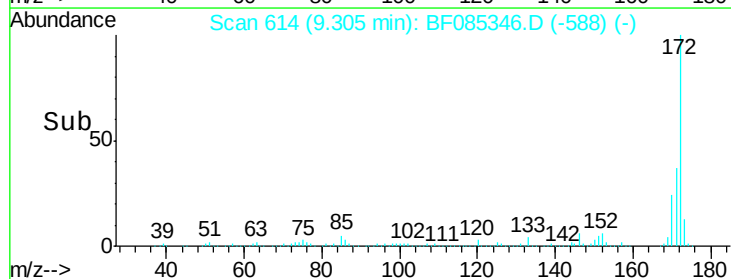
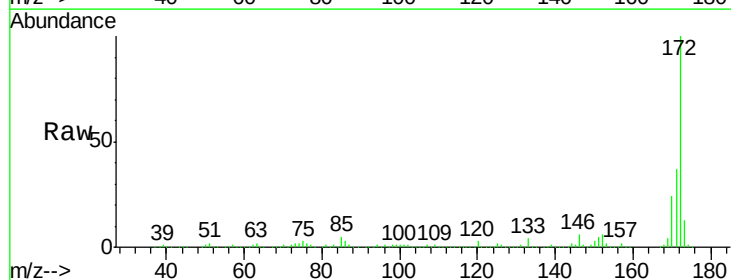
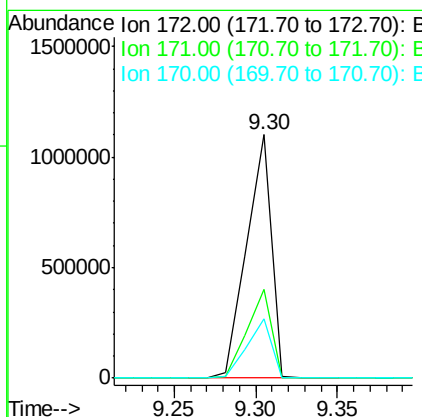
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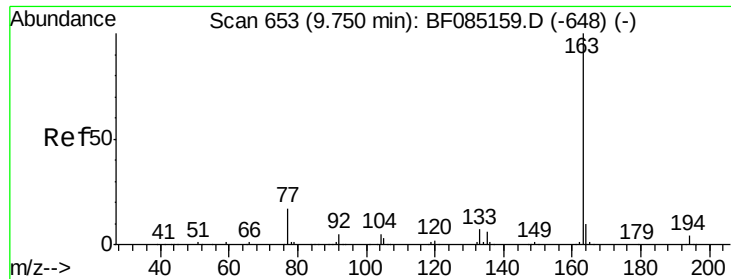
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#44
 2-Fluorobiphenyl
 Concen: 79.53 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1160258		
171	36.7	29.3	43.9	
170	24.2	20.0	30.0	





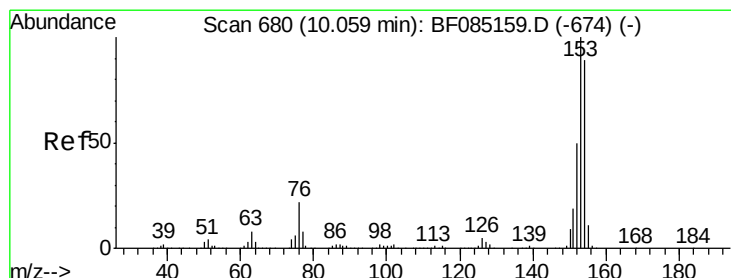
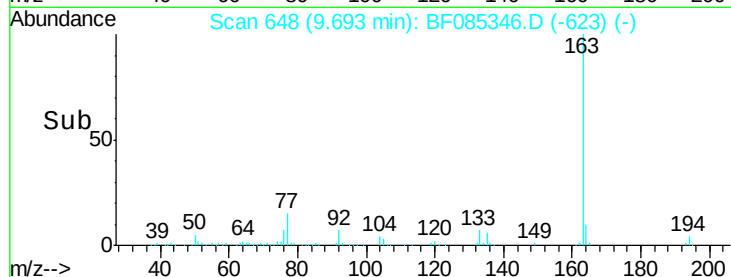
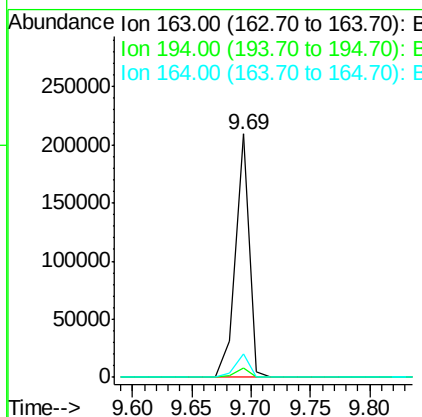
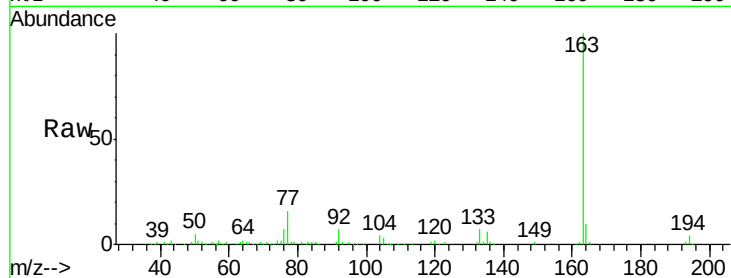
#49
Dimethylphthalate
Concen: 9.98 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-COMP7

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	169923		
194	3.9		3.1	4.7
164	9.8		8.2	12.4

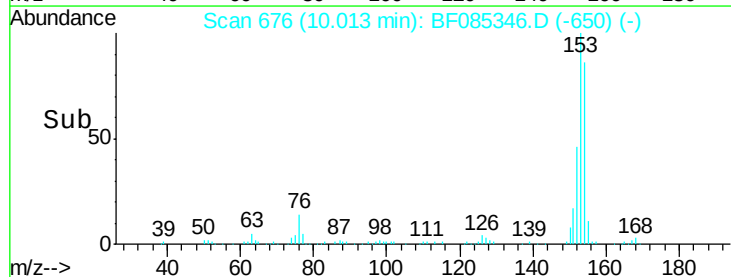
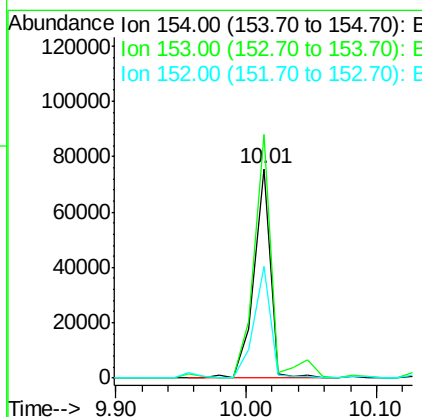
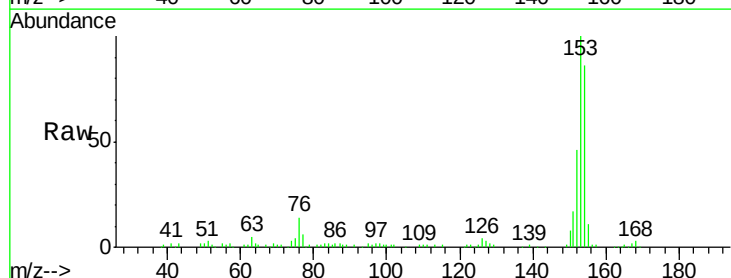
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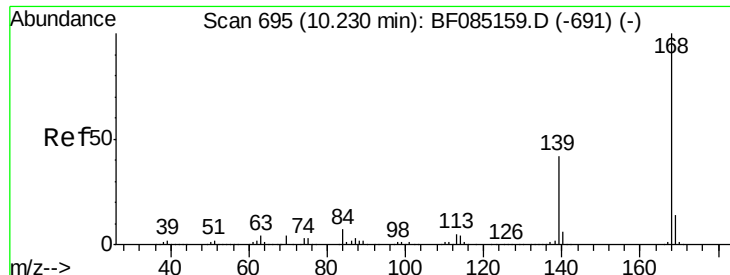
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#51
Acenaphthene
Concen: 4.93 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	67369		
153	116.3		89.8	134.8
152	53.3		44.6	66.8





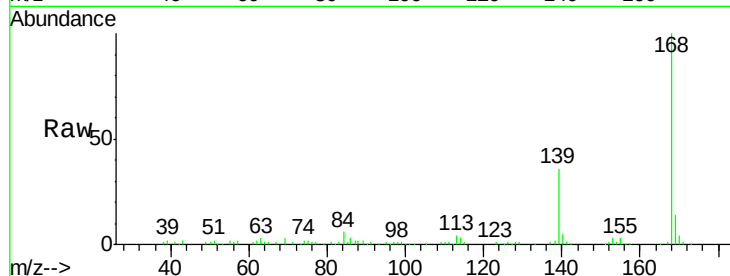
#54
Dibenzenofuran
Concen: 5.79 ng
RT: 10.18 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-COMP7

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	35.6	33.6	50.4
169	13.5	11.2	16.8

Manual Integrations
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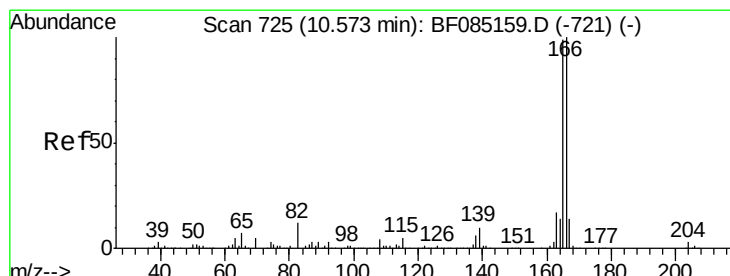
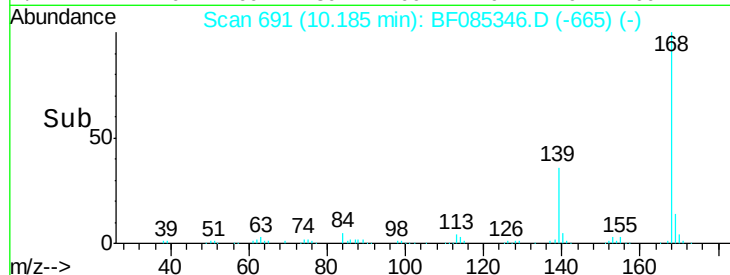
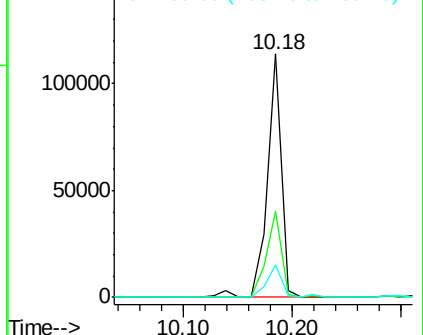


Abundance

Ion 168.00 (167.70 to 168.70): E

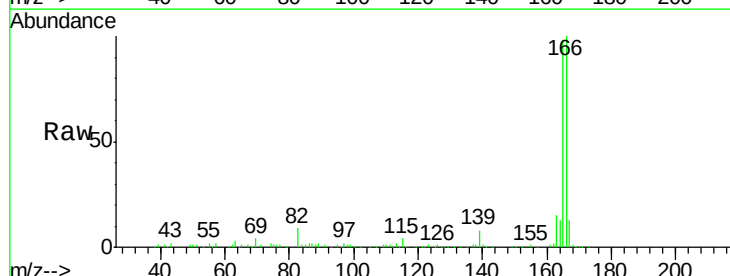
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 8.22 ng
RT: 10.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	97.6	79.4	119.0
167	13.0	11.0	16.6

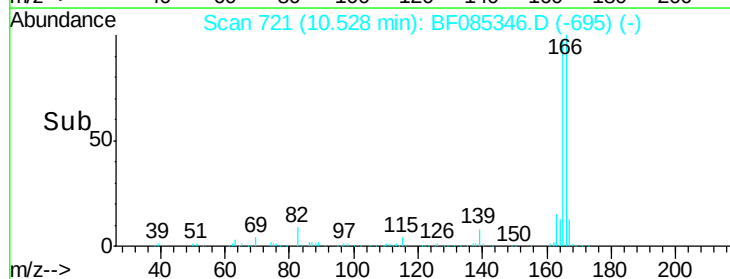
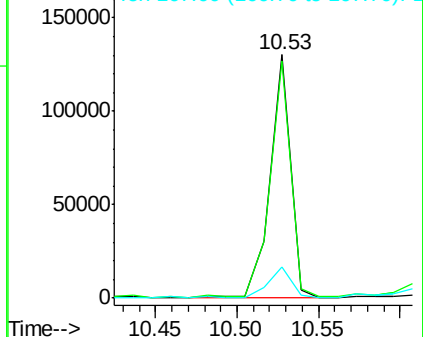


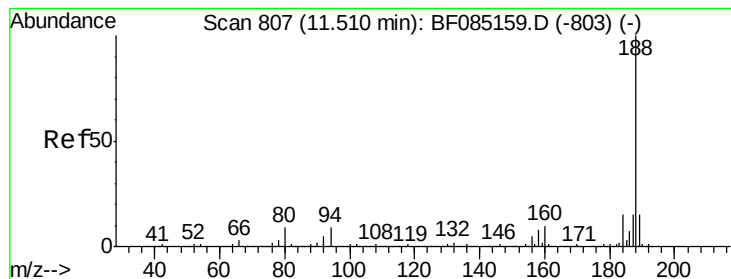
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





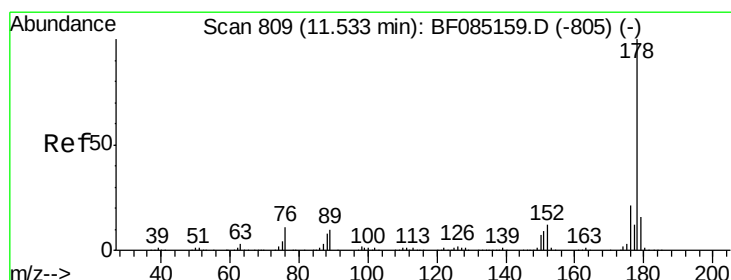
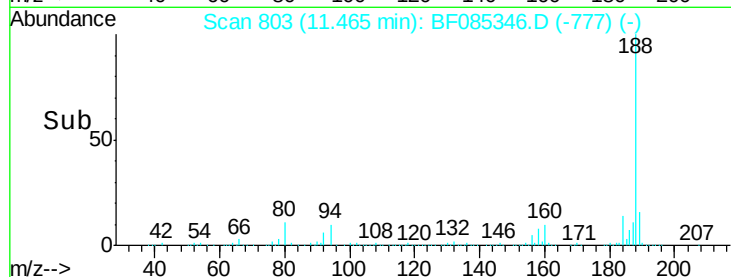
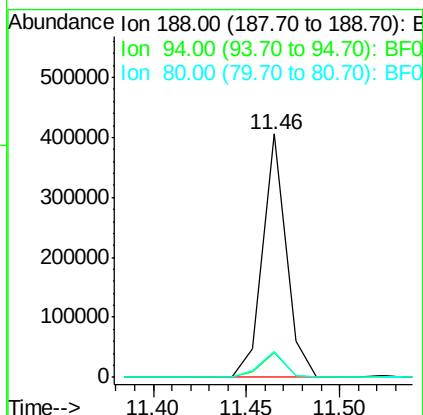
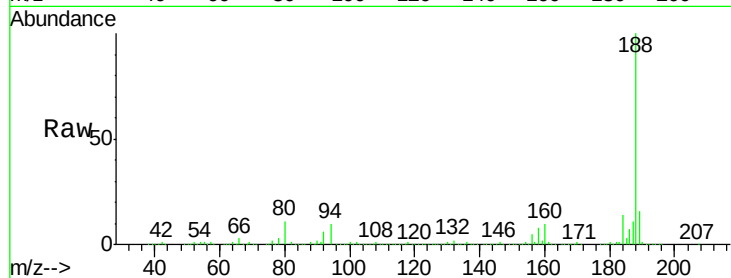
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampled :
TEC-COMP7

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	353764		
94	10.4		7.0	10.6
80	10.6		7.4	11.0

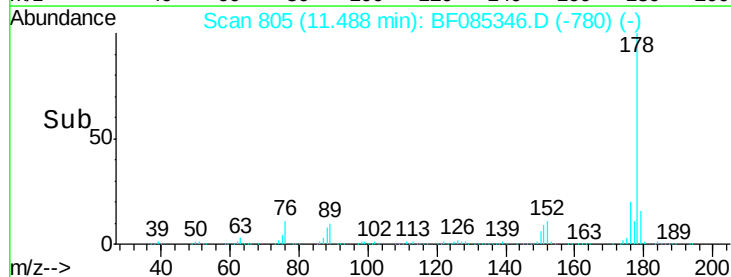
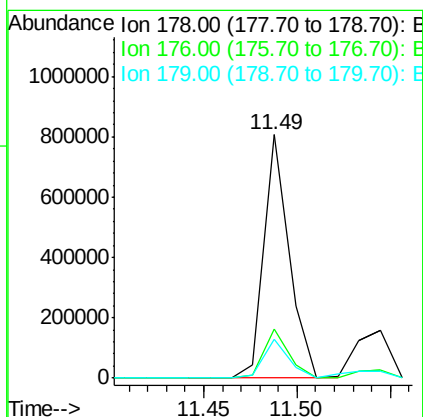
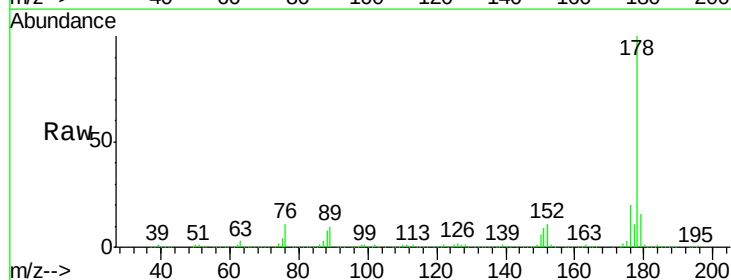
Manual Integrations
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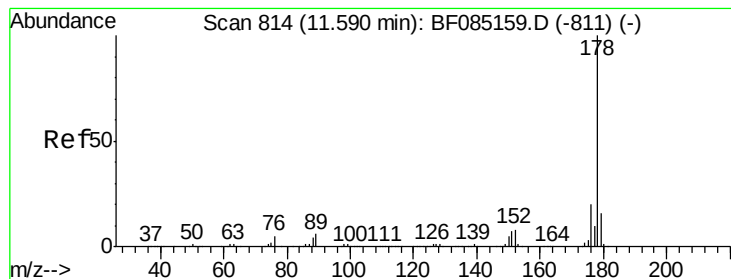
Sohil
3/11/2016 4:58:42 PM



#70
Phenanthrene
Concen: 40.83 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	756979		
176	20.0		16.8	25.2
179	16.1		13.1	19.7





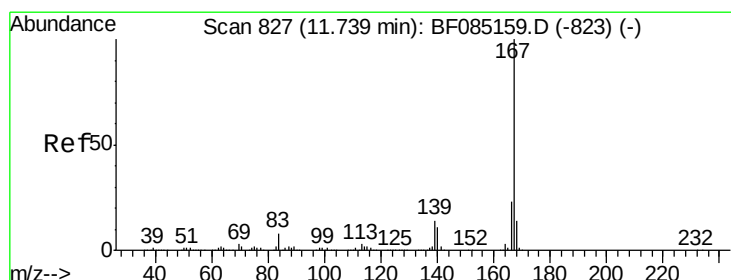
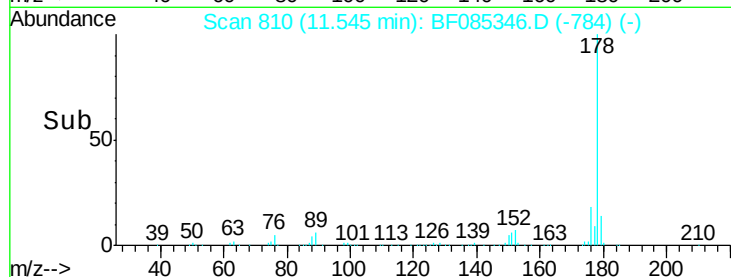
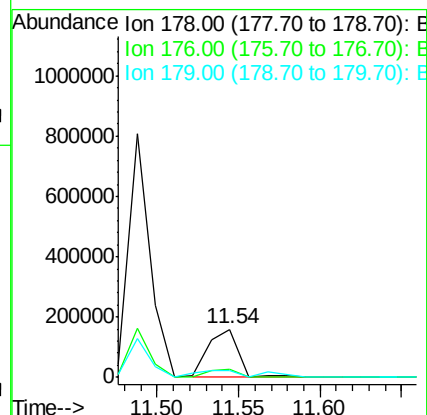
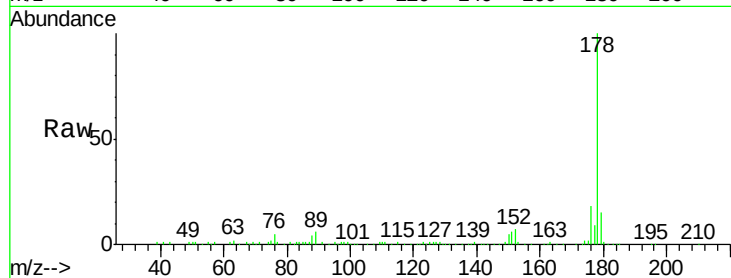
#71
 Anthracene
 Concen: 10.20 ng
 RT: 11.54 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	14.7	12.5	18.7

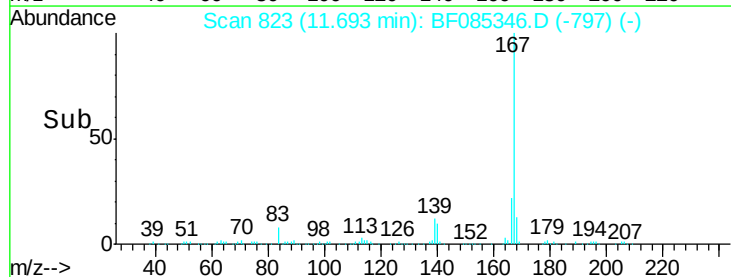
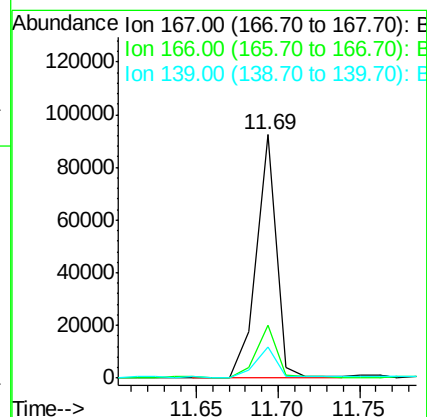
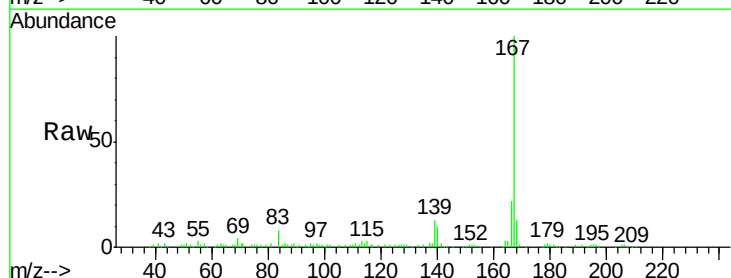
Manual Integrations
 APPROVED

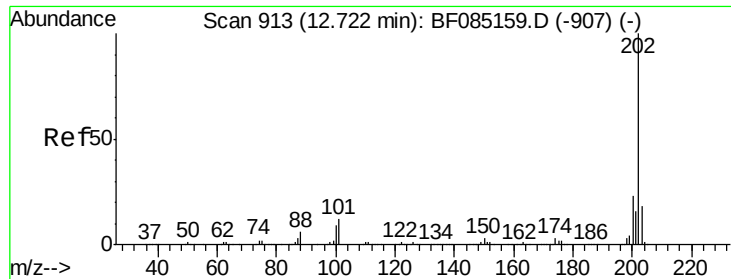
Sohil
 3/11/2016 4:58:42 PM



#72
 Carbazole
 Concen: 4.61 ng
 RT: 11.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.2
139	12.8	11.4	17.0





#74

Fluoranthene

Concen: 37.68 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Instrument :

BNA_F

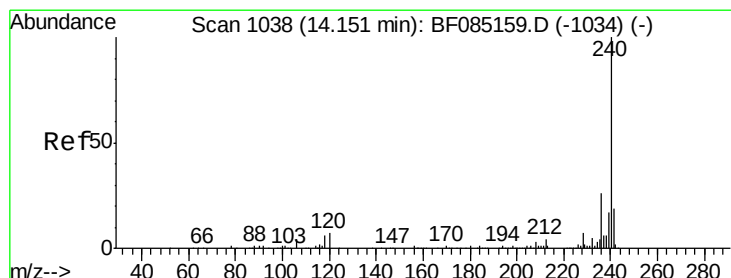
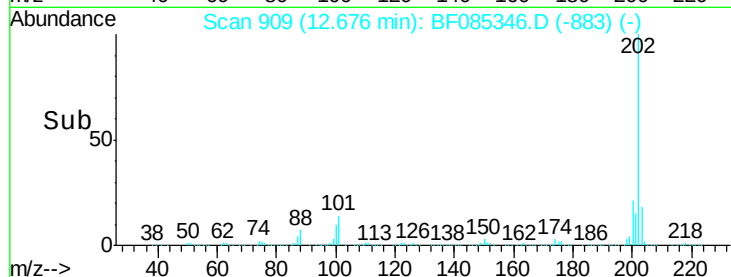
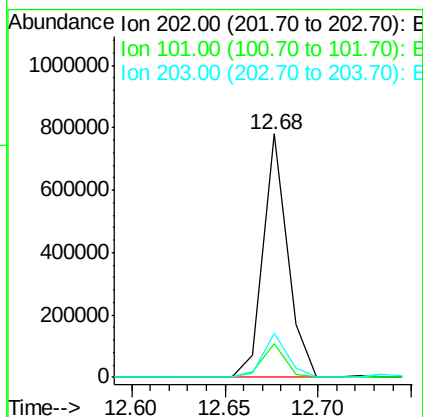
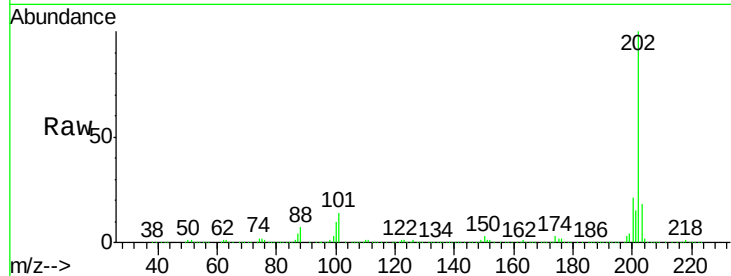
ClientSampled :

TEC-COMP7

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		701093		
101	13.8	0.0	31.8		
203	18.3	0.0	38.4		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

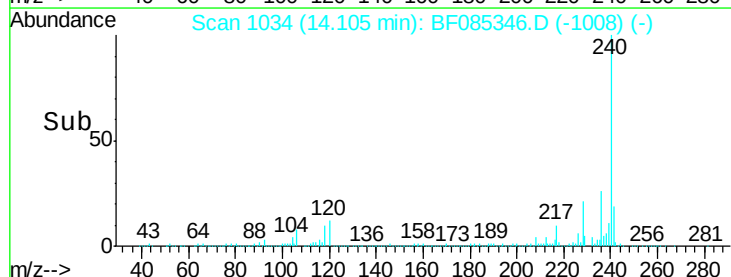
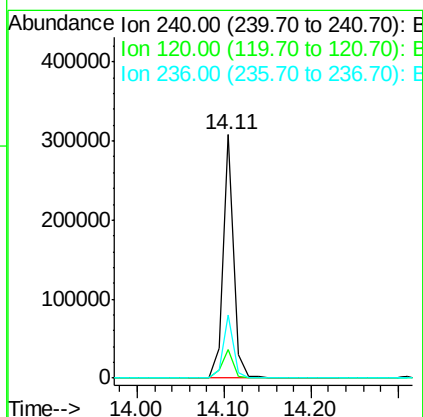
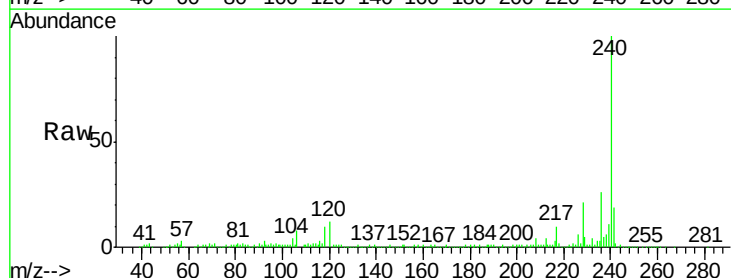
RT: 14.11 min Scan# 1034

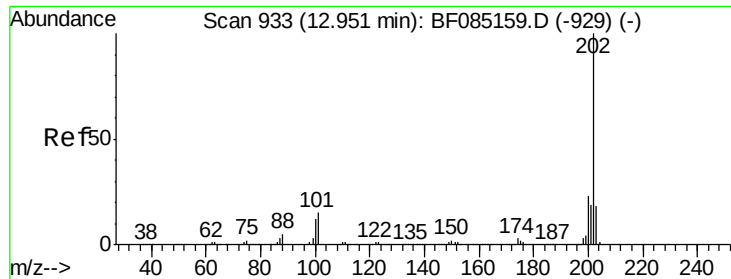
Delta R.T. -0.00 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		263891		
120	11.7	5.3	7.9#		
236	25.8	20.7	31.1		





#77

Pyrene

Concen: 30.67 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Instrument :

BNA_F

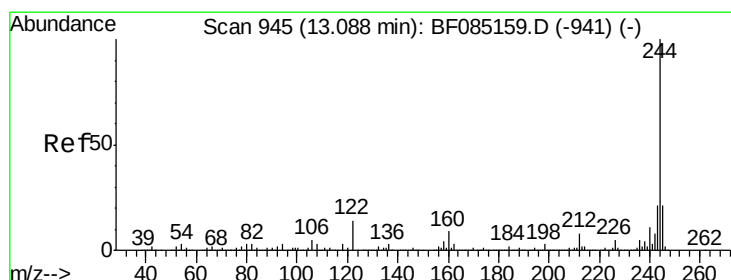
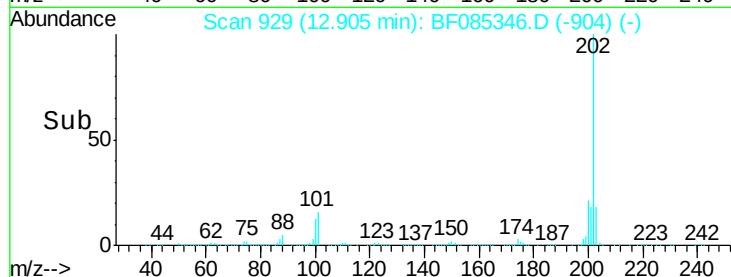
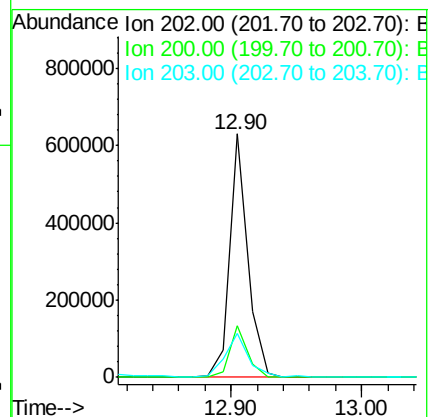
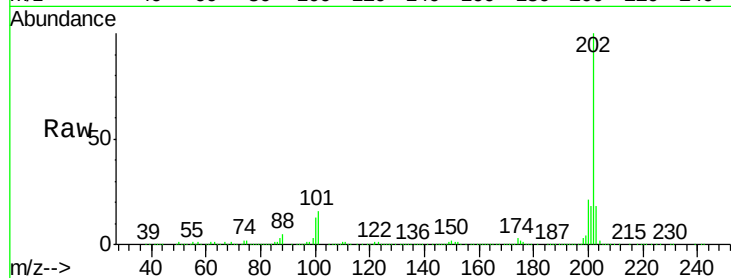
ClientSampleId :

TEC-COMP7

Tgt Ion:	202	Resp:	609144
Ion Ratio	Lower	Upper	
202	100		
200	21.2	18.2	27.4
203	18.3	14.7	22.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 66.33 ng

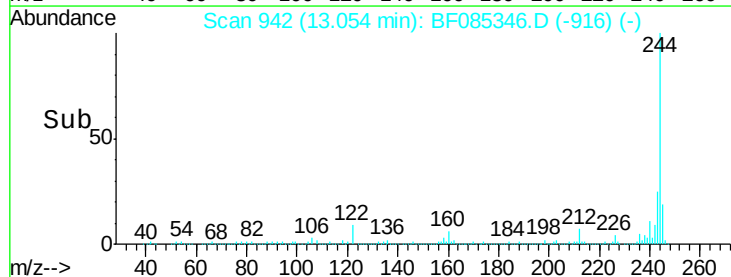
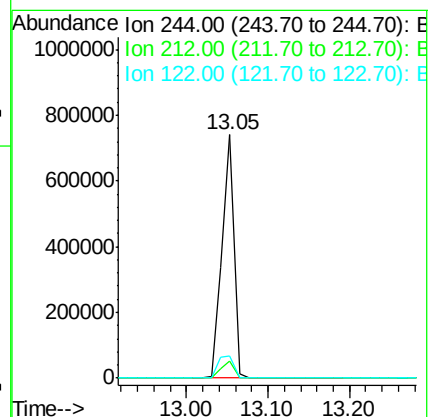
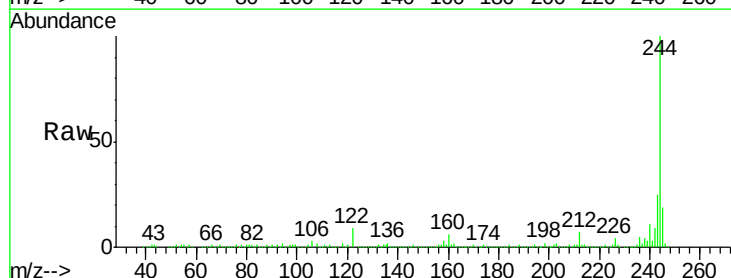
RT: 13.05 min Scan# 942

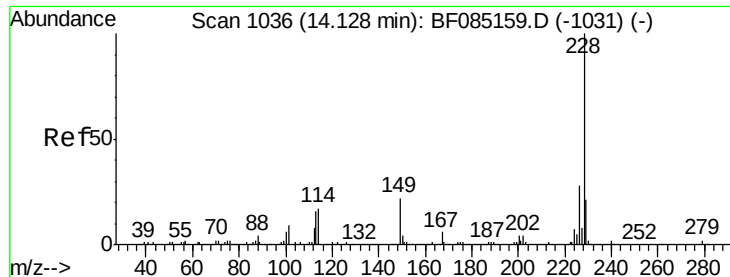
Delta R.T. -0.00 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Tgt Ion:	244	Resp:	754022
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.4	9.6
122	9.1	11.4	17.2





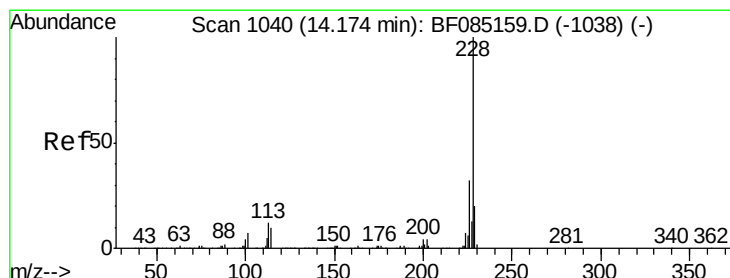
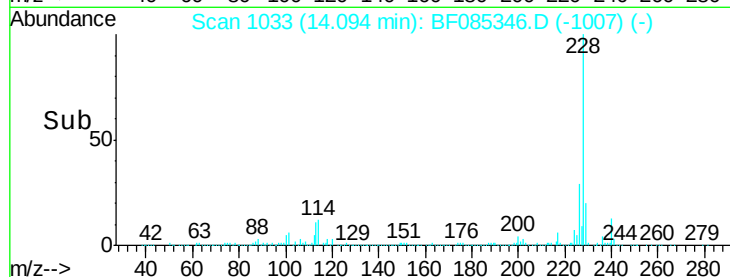
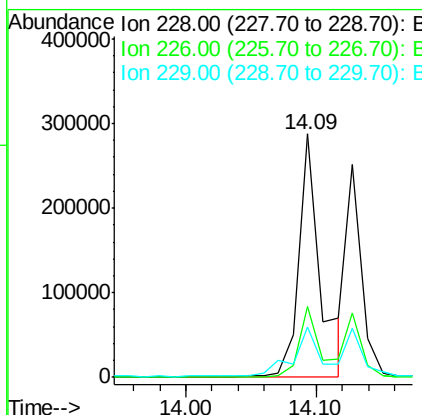
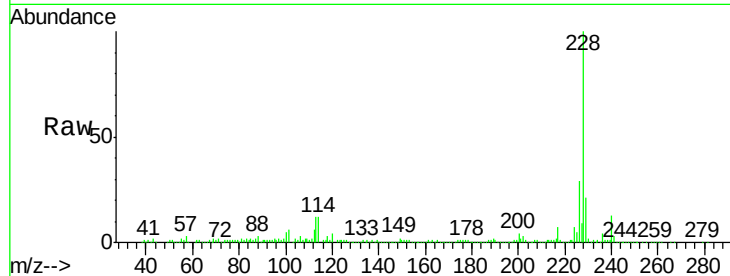
#80
Benzo(a)anthracene
Concen: 20.83 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-COMP7

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	20.6	16.6	24.8

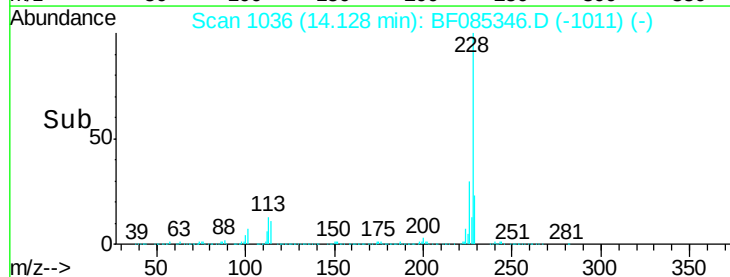
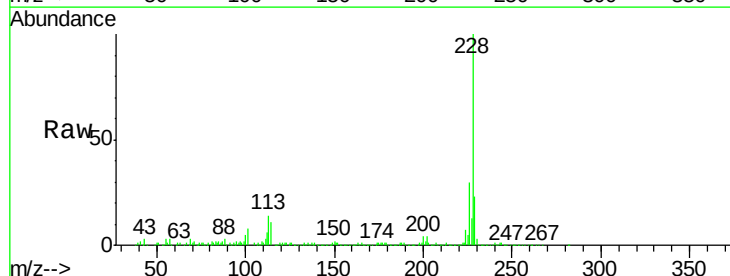
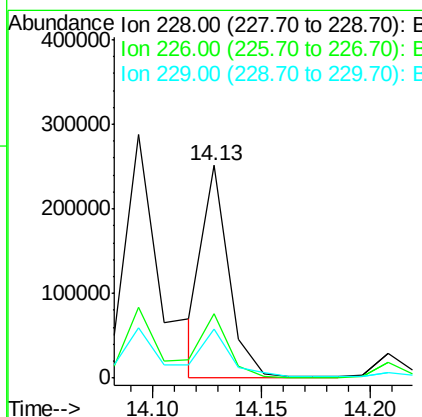
Manual Integrations
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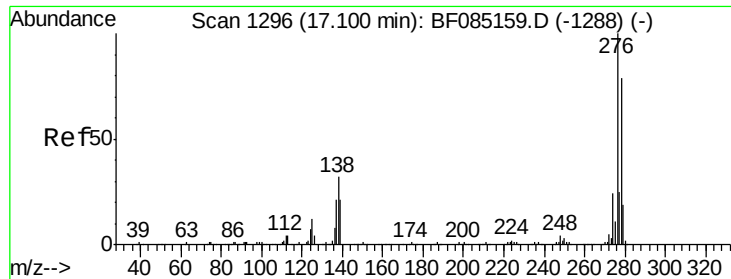
Sohil
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#82
Chrysene
Concen: 14.16 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	23.2	16.0	24.0





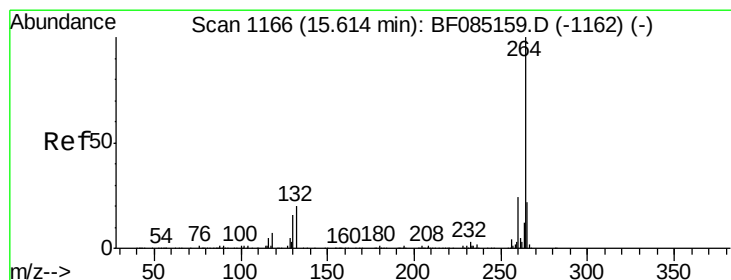
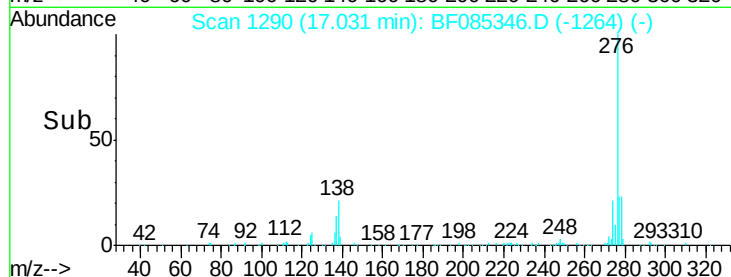
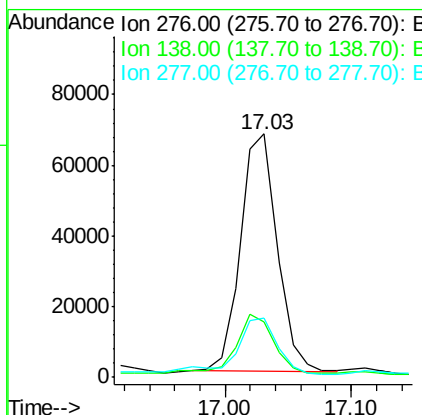
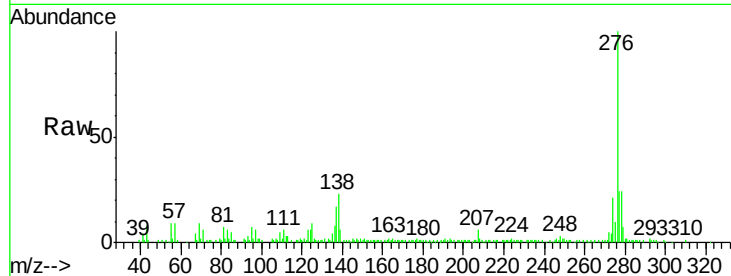
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.99 ng m
 RT: 17.03 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.3	26.4	39.6#
277	5.0	20.2	30.2#

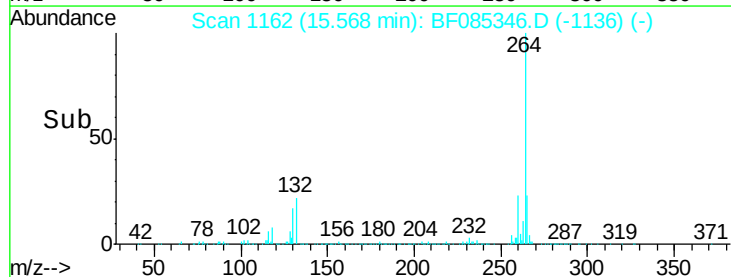
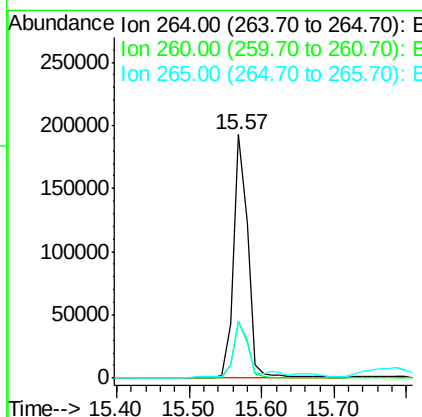
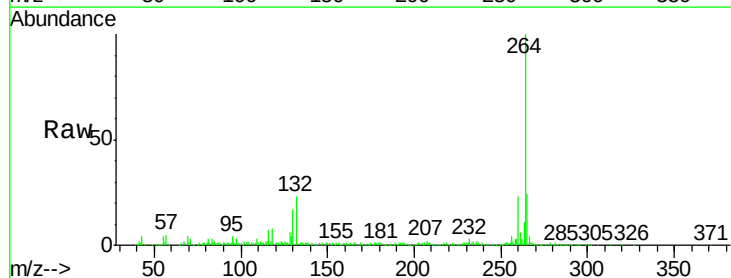
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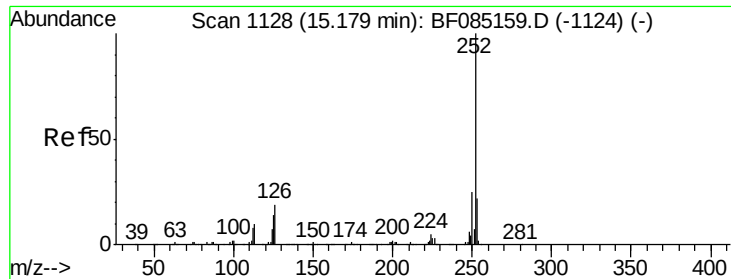
Sohil
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.5	17.3	25.9





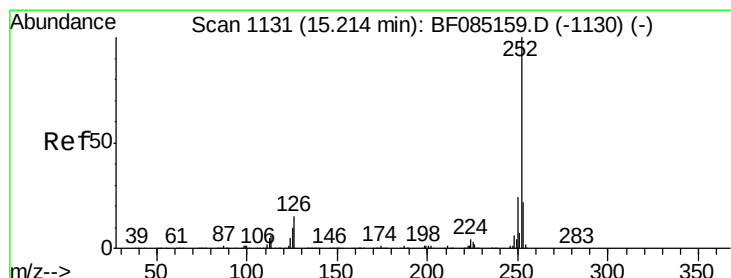
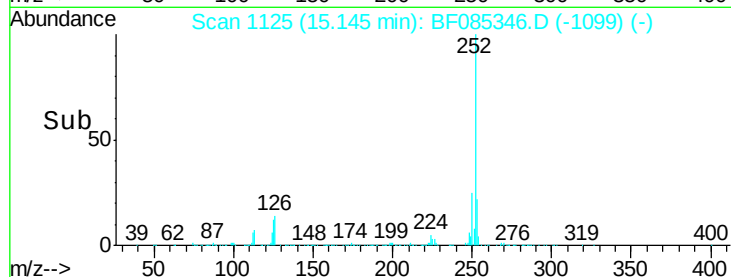
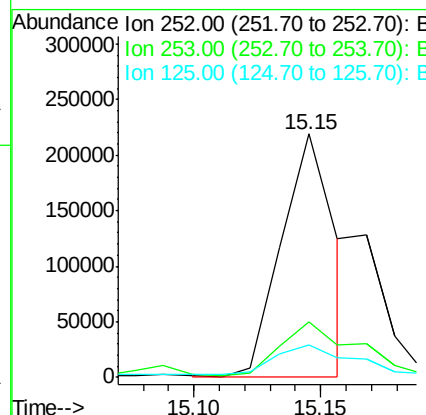
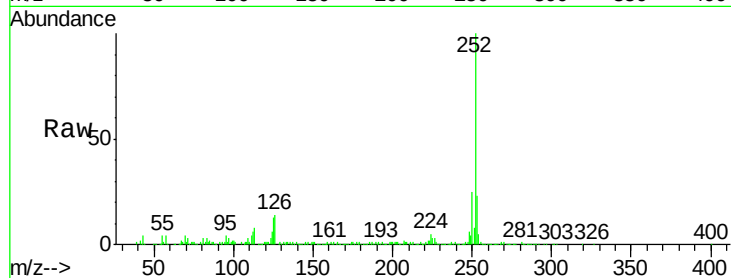
#87
Benzo(b)fluoranthene
Concen: 18.53 ng m
RT: 15.15 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-COMP7

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	322490		
253	22.8	17.8	26.6	
125	13.5	11.3	16.9	

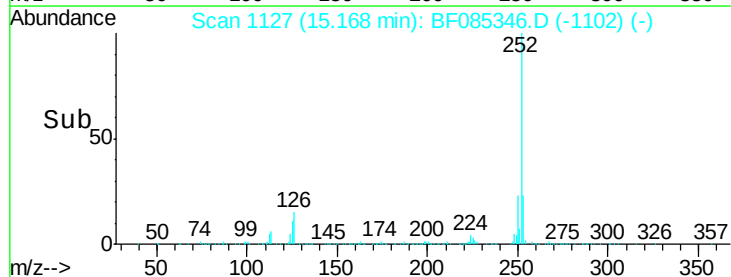
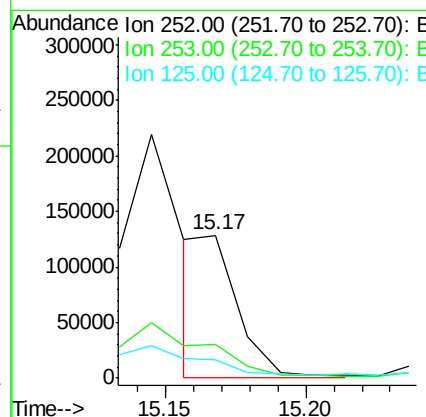
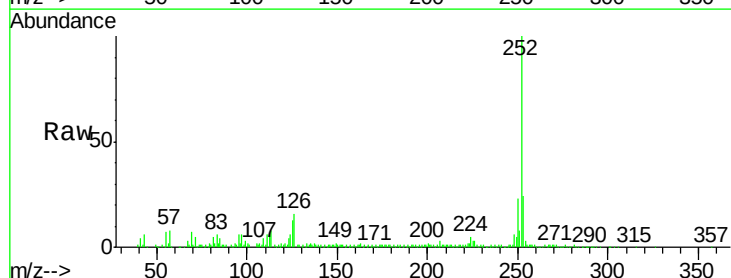
Manual Integrations
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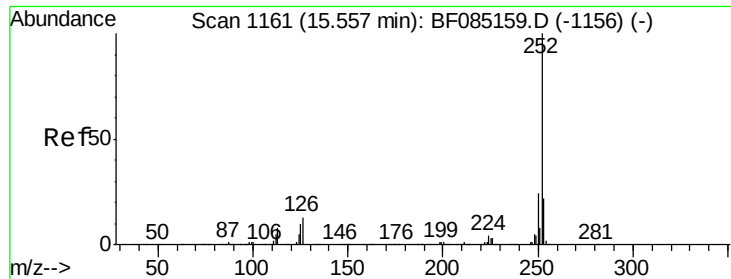
Sohil
3/11/2016 4:58:42 PM



#88
Benzo(k)fluoranthene
Concen: 8.57 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085346.D
Acq: 10 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	120375		
253	24.0	17.8	26.6	
125	13.1	10.4	15.6	





#89

Benzo(a)pyrene

Concen: 16.93 ng

RT: 15.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Instrument :

BNA_F

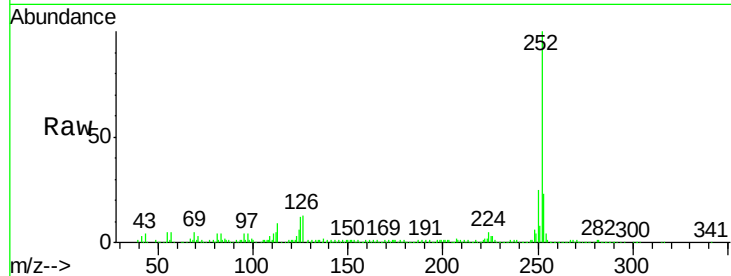
ClientSampleId :

TEC-COMP7

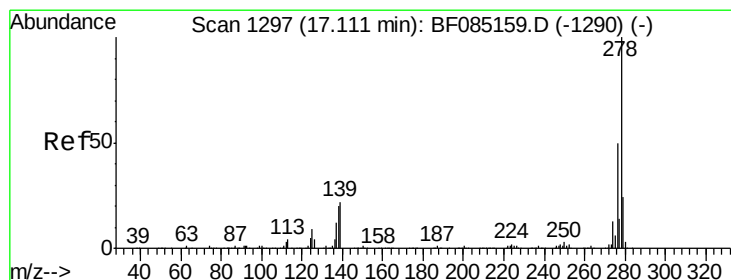
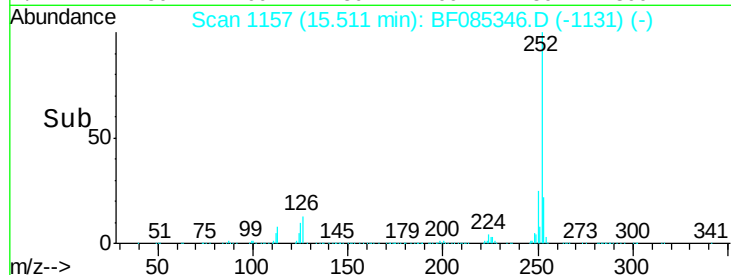
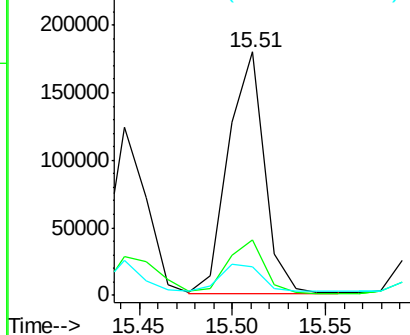
Tgt Ion:	252	Resp:	244267
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	11.5	8.2	12.4

Manual Integrations
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3/11/2016 4:58:42 PM



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



#90

Dibenzo(a,h)anthracene

Concen: 2.79 ng m

RT: 17.03 min Scan# 1290

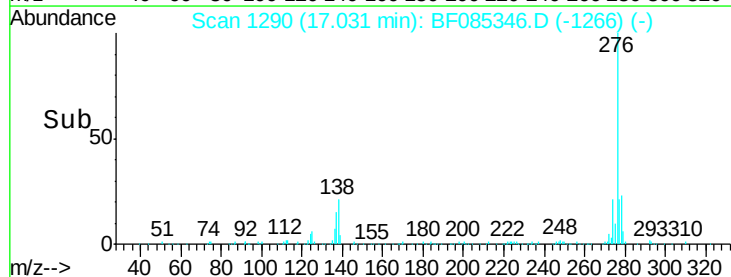
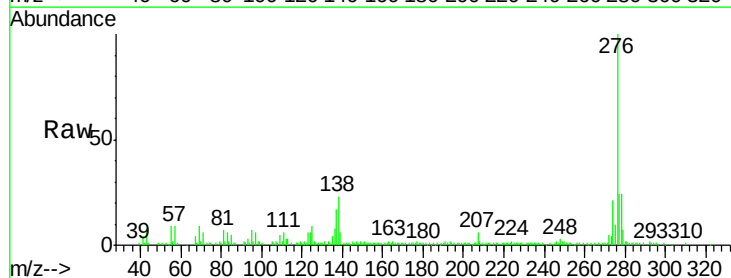
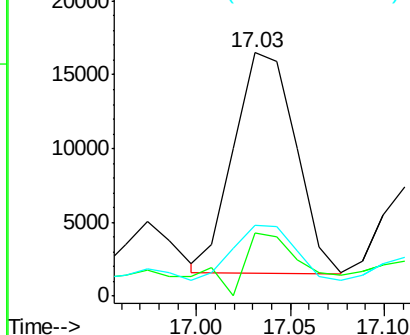
Delta R.T. -0.02 min

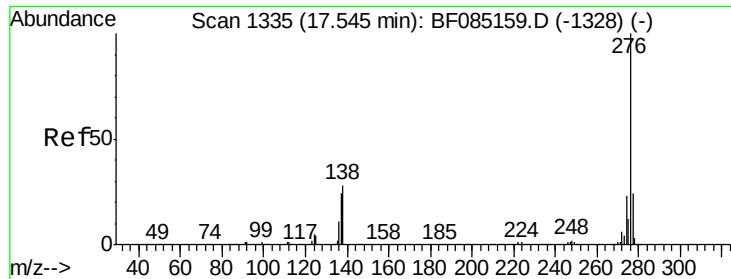
Lab File: BF085346.D

Acq: 10 Mar 2016 21:26

Tgt Ion:	278	Resp:	34357
Ion Ratio	Lower	Upper	
278	100		
139	26.1	17.3	25.9#
279	29.1	19.2	28.8#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





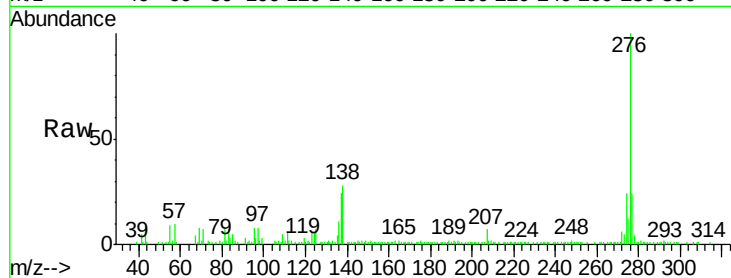
#91
 Benzo(g,h,i)perylene
 Concen: 10.42 ng
 RT: 17.47 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF085346.D
 Acq: 10 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP7

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	27.8	22.5	33.7

Manual Integrations
 APPROVED

Sohil
 3/11/2016 4:58:42 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

