

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086812.D
 Acq On : 8 May 2016 9:36
 Operator : UM/SJ
 Sample : H2762-06DL 2X
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

Manual Integrations
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Quant Time: May 09 18:33:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	195669	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	744337	40.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	311892	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	524040	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	365654	40.00	ng	-0.03
86) Perylene-d12	15.23	264	308366	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	857883	72.58	ng	-0.01
7) Phenol-d6	6.36	99	1019270	64.02	ng	-0.01
23) Nitrobenzene-d5	7.28	82	751938	51.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	196697	64.47	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1005750	52.86	ng	-0.03
78) Terphenyl-d14	12.80	244	586076	32.39	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.02	128	2361138	62.09	ng	98
37) 2-Methylnaphthalene	8.70	142	346006	15.42	ng	99
45) 1,1'-Biphenyl	9.16	154	63103	2.47	ng	97
48) Acenaphthylene	9.60	152	186309	6.38	ng	97
49) Dimethylphthalate	9.47	163	90886	3.91	ng	99
51) Acenaphthene	9.77	154	162014	8.41	ng	98
57) Fluorene	10.28	166	168334	8.70	ng	98
70) Phenanthrene	11.24	178	607316	21.58	ng	99
71) Anthracene	11.29	178	174429	5.92	ng	99
74) Fluoranthene	12.42	202	248643	8.81	ng	99
77) Pyrene	12.65	202	353655	12.13	ng	100
80) Benzo(a)anthracene	13.84	228	119057m	5.76	ng	
82) Chrysene	13.87	228	124904m	5.66	ng	
87) Benzo(b)fluoranthene	14.84	252	90812m	4.90	ng	
88) Benzo(k)fluoranthene	14.85	252	50322m	2.88	ng	
89) Benzo(a)pyrene	15.17	252	91549	5.36	ng	# 93
91) Benzo(g,h,i)perylene	16.92	276	58425	3.39	ng	# 93

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

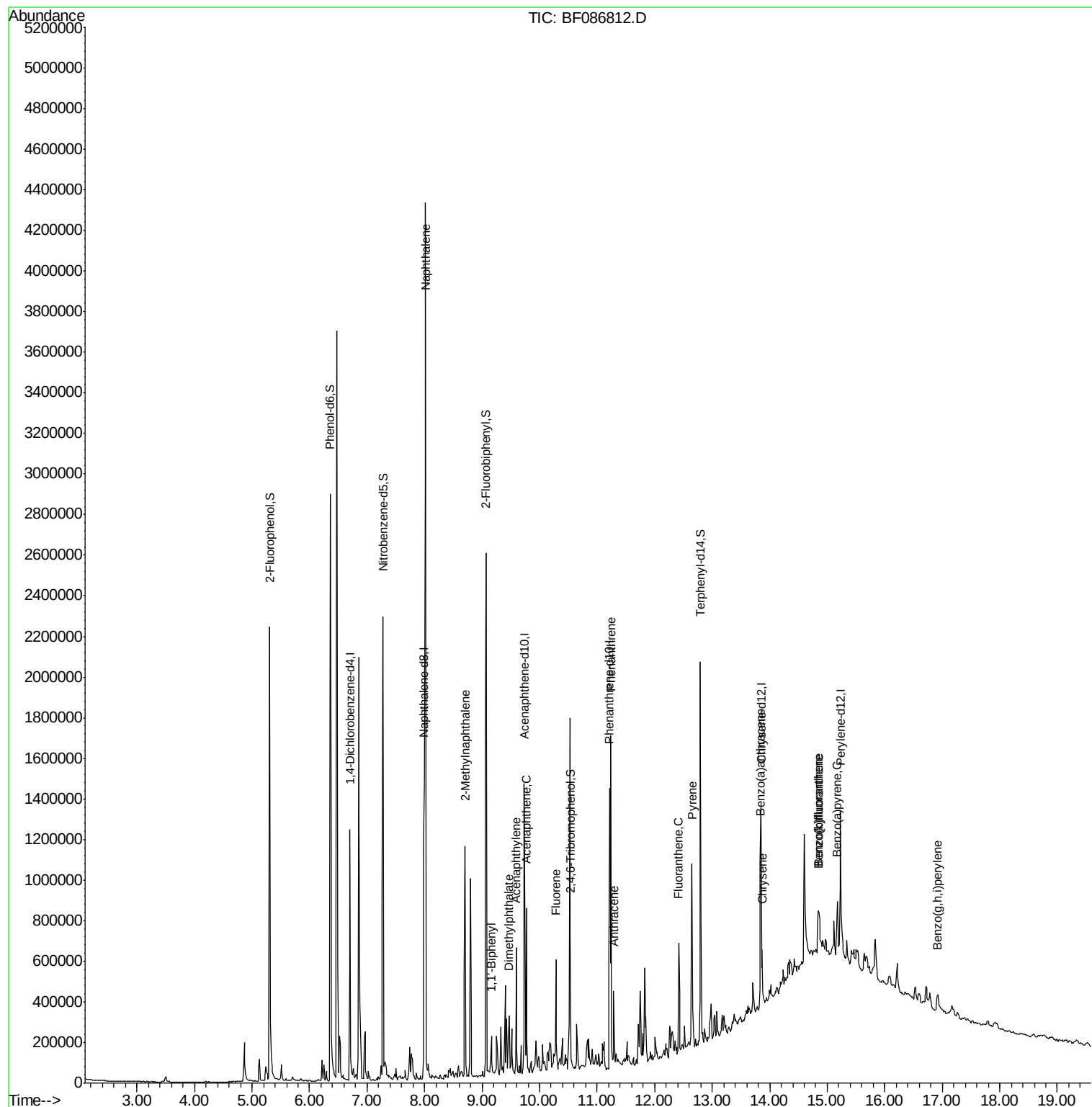
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086812.D
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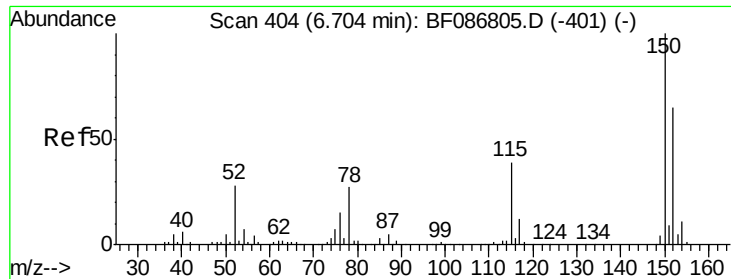
Instrument :
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#1

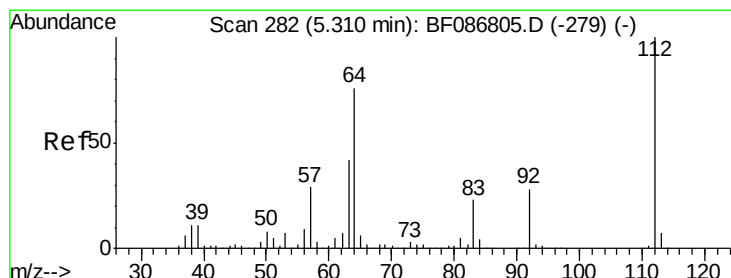
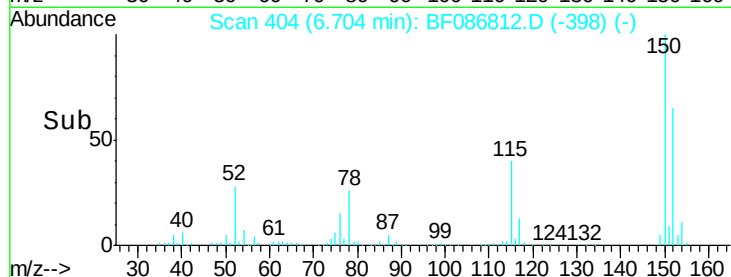
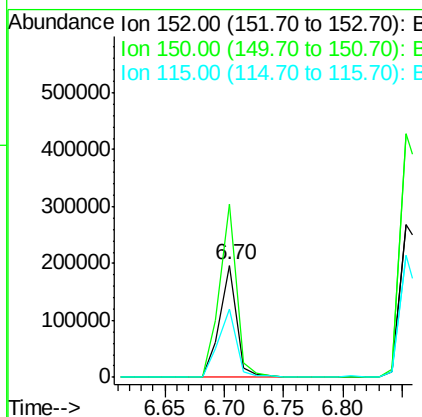
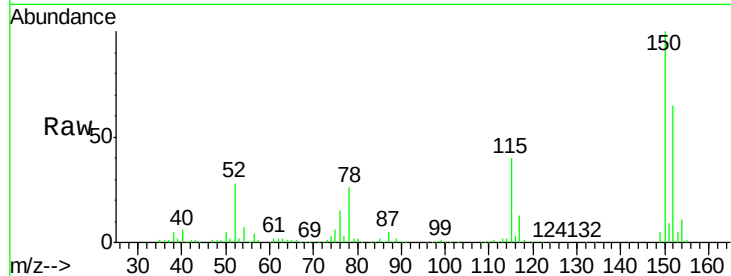
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampled :
TEC-B2COMPDL

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		195669		
150	153.8	125.8	188.6		
115	61.1	51.5	77.3		

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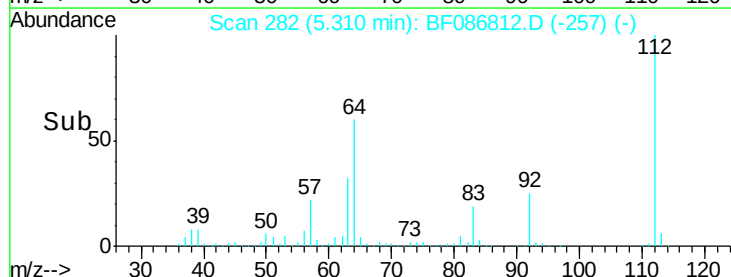
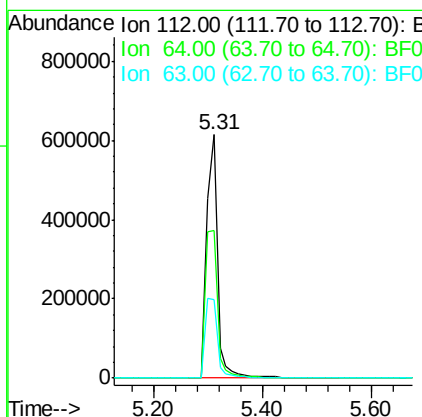
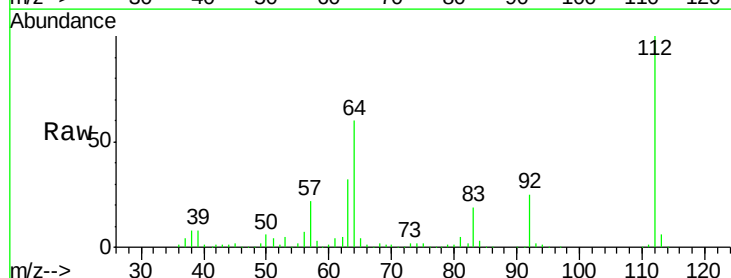
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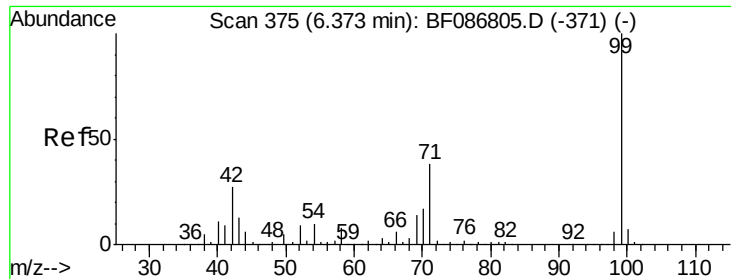


#5

2-Fluorophenol
Concen: 72.58 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		857883		
64	60.4	52.1	78.1		
63	32.4	25.7	38.5		





#7

Phenol-d6

Concen: 64.02 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086812.D

Acq: 8 May 2016 9:36

Instrument :

BNA_F

ClientSampleId :

TEC-B2COMPDL

Tgt Ion: 99 Resp: 1019270

Ion Ratio Lower Upper

99 100

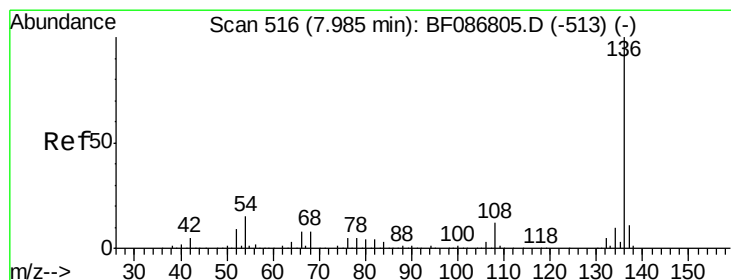
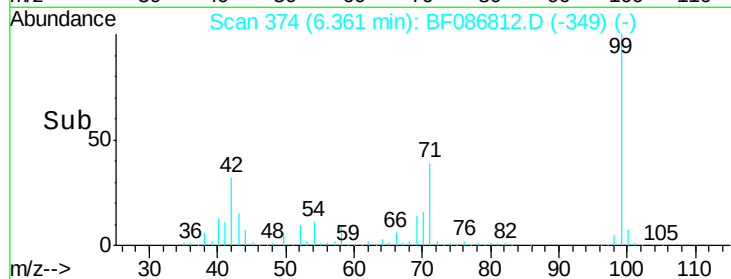
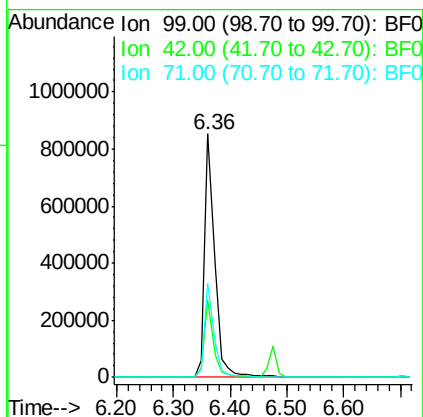
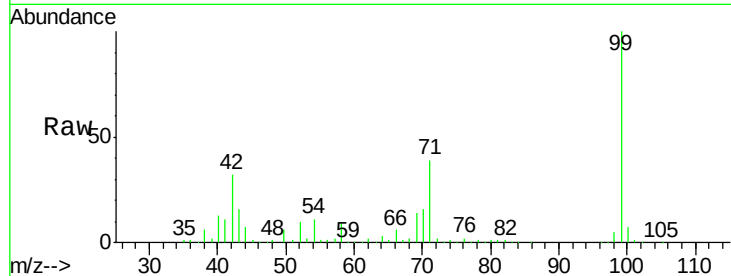
42 31.7 13.6 20.4#

71 38.5 24.6 36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086812.D

Acq: 8 May 2016 9:36

Tgt Ion: 136 Resp: 744337

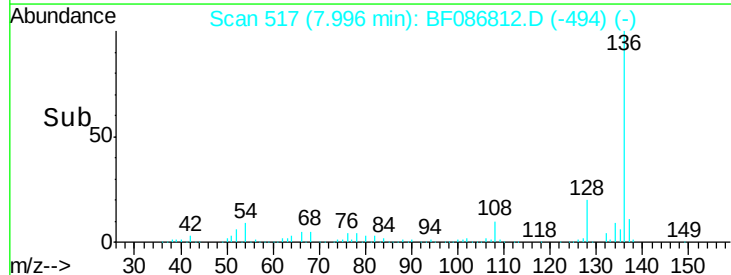
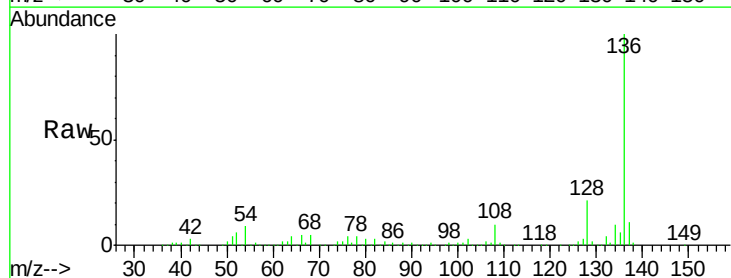
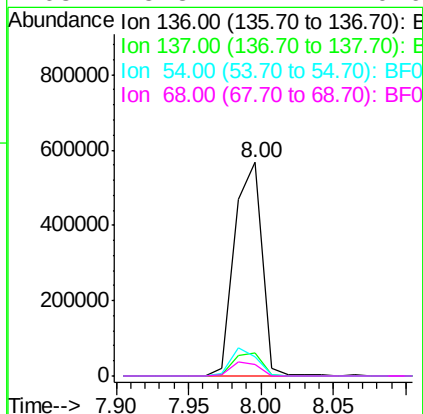
Ion Ratio Lower Upper

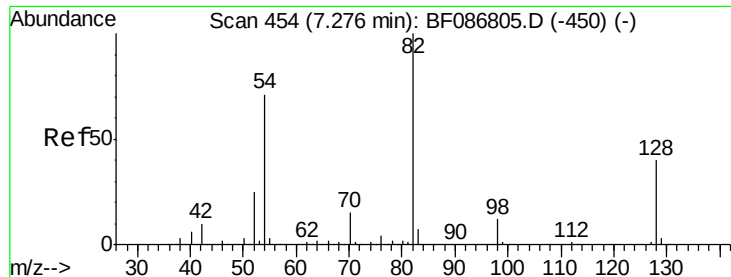
136 100

137 10.7 8.8 13.2

54 9.3 5.0 7.4#

68 5.3 4.4 6.6





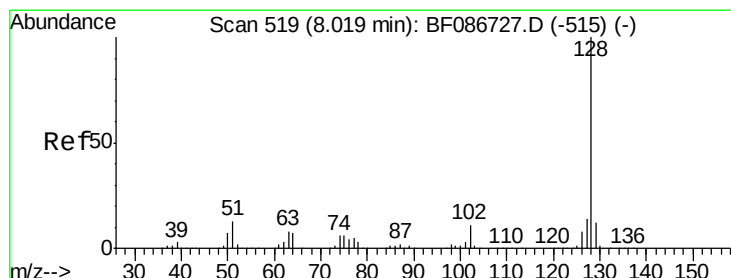
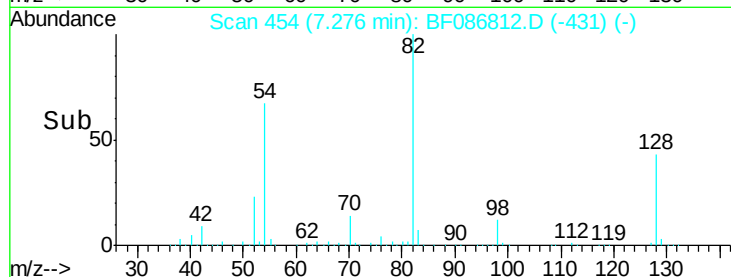
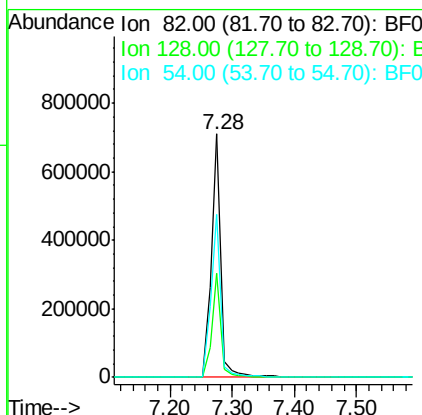
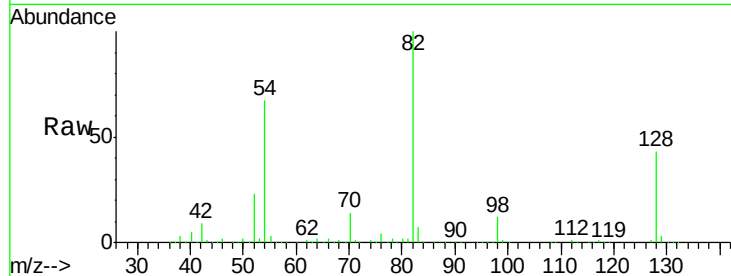
#23
 Nitrobenzene-d5
 Concen: 51.91 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	40.6	61.0
54	66.7	38.1	57.1

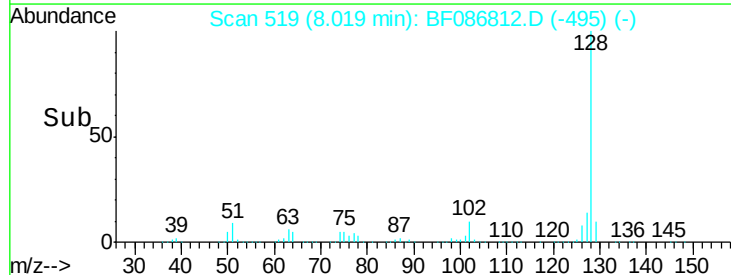
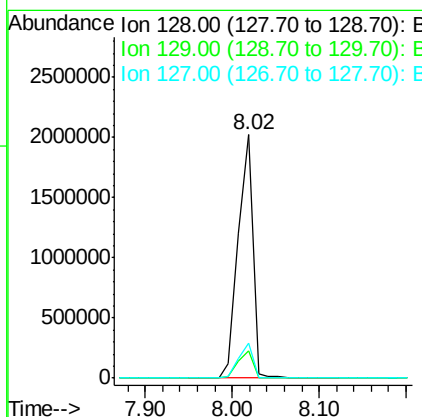
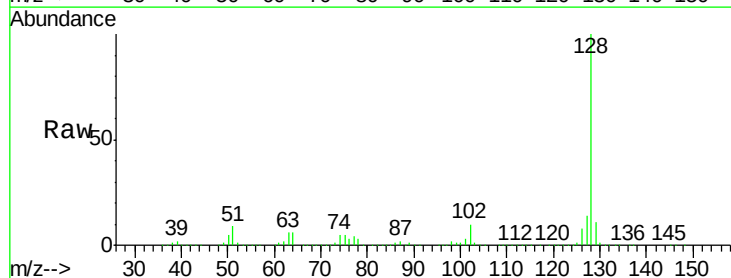
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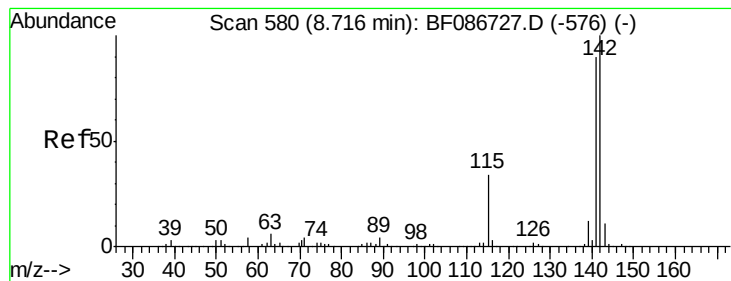
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#31
 Naphthalene
 Concen: 62.09 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	14.2	10.8	16.2





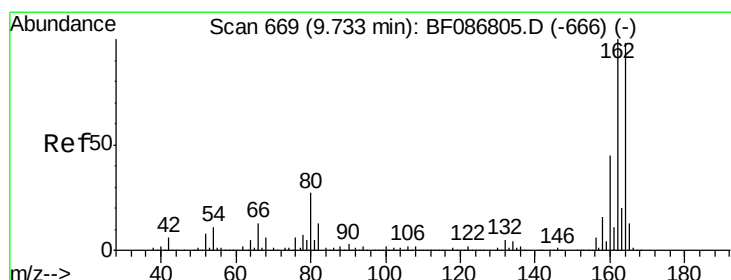
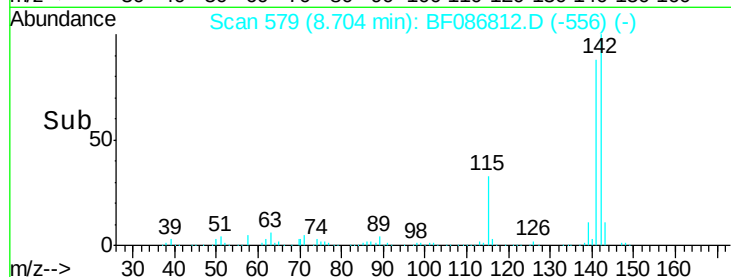
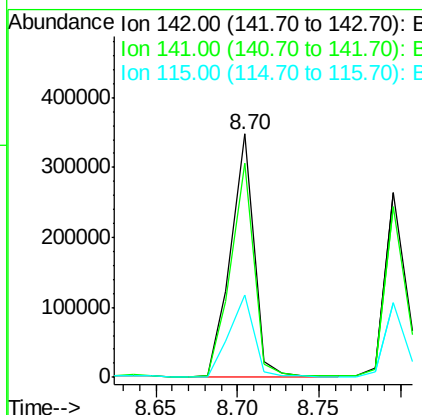
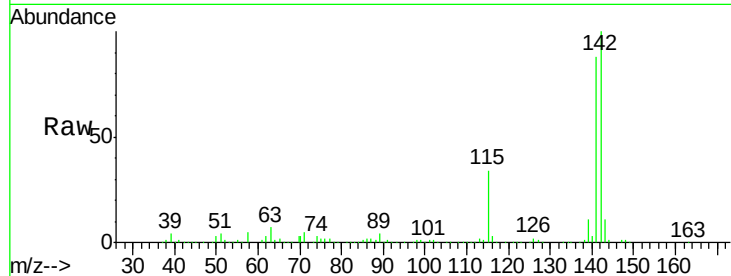
#37
2-Methylnaphthalene
Concen: 15.42 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.03 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	346006		
141	88.1	71.0	106.6	
115	33.7	26.6	39.8	

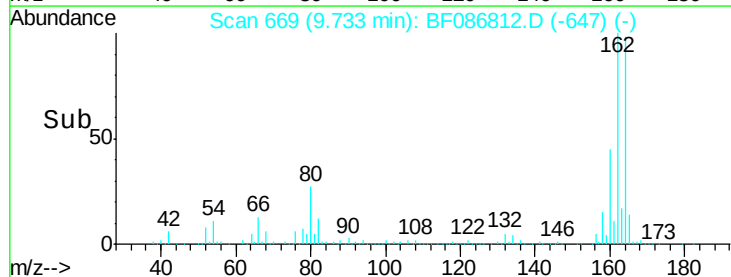
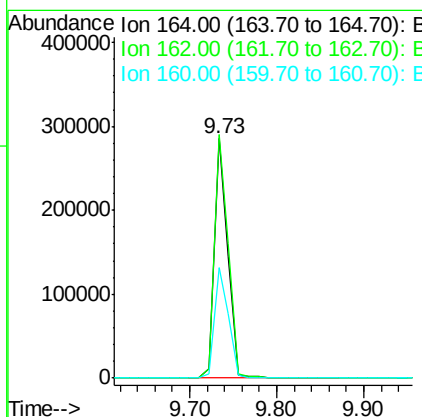
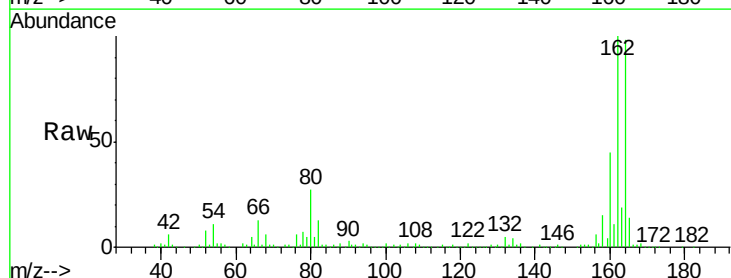
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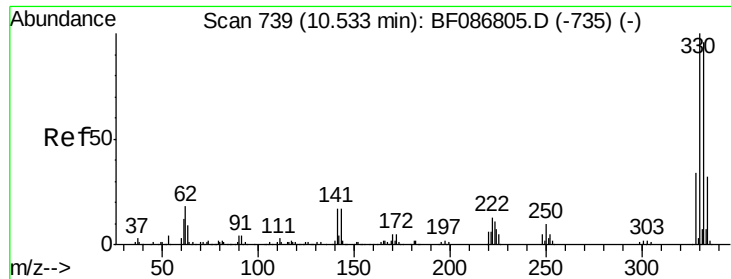
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	311892		
162	101.7	82.8	124.2	
160	46.2	36.9	55.3	





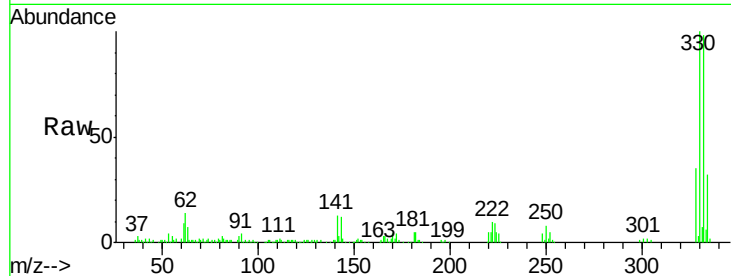
#41
 2,4,6-Tribromophenol
 Concen: 64.47 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

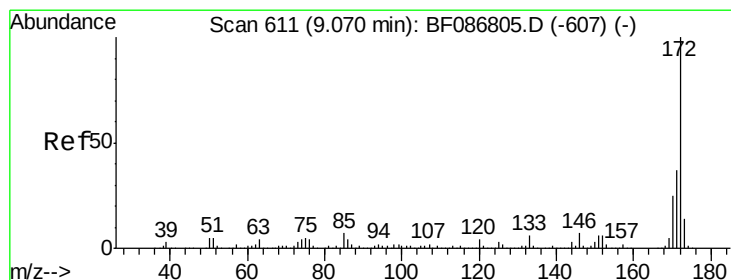
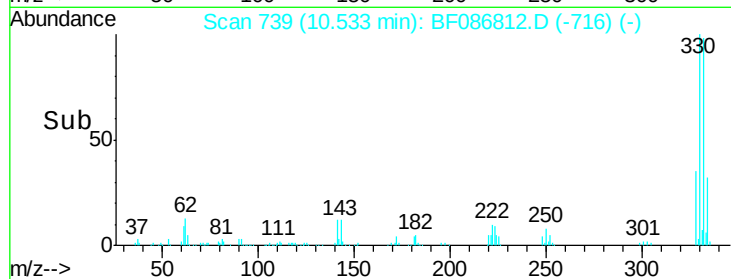
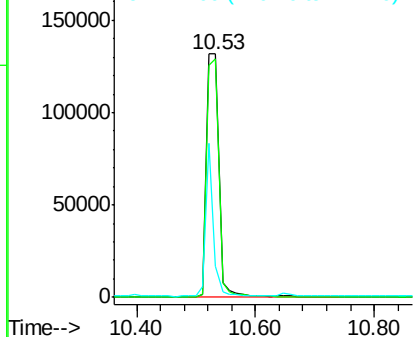
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	196697		
332	96.1	79.0	118.4	
141	38.8	31.2	46.8	

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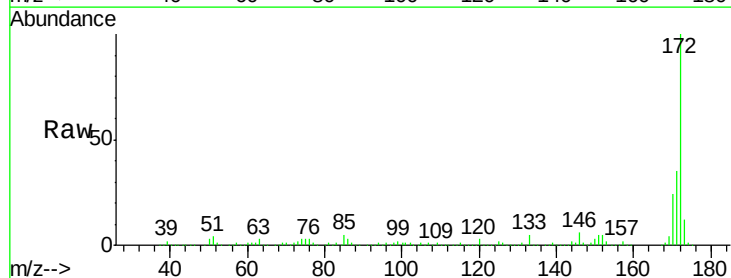


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

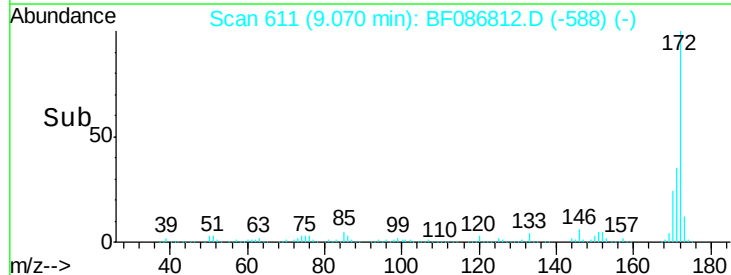
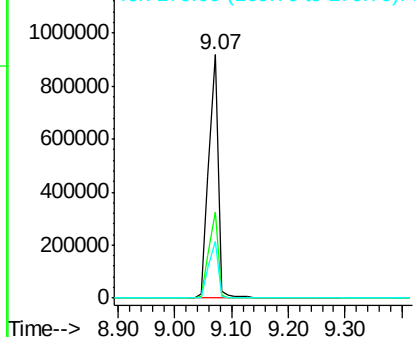


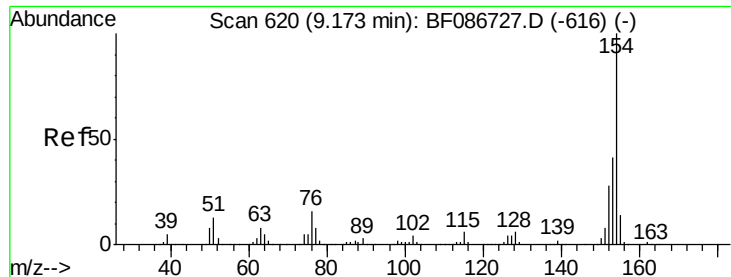
#44
 2-Fluorobiphenyl
 Concen: 52.86 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1005750		
171	35.2	29.0	43.6	
170	23.6	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





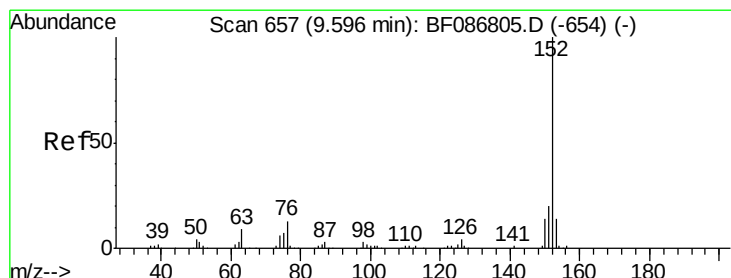
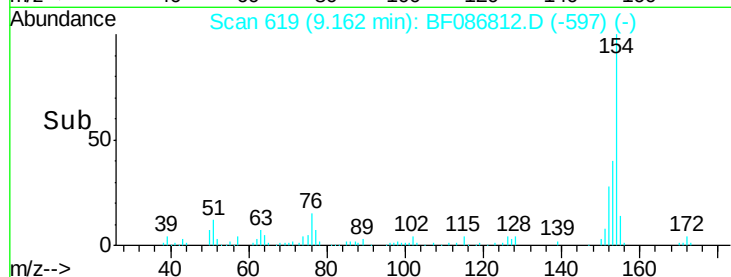
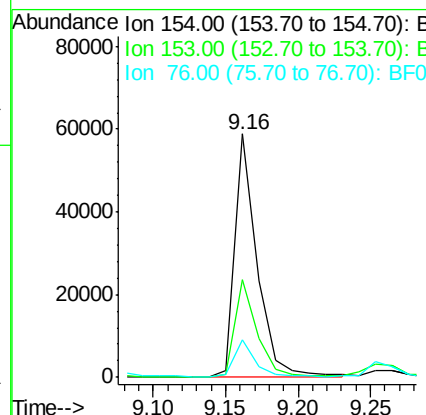
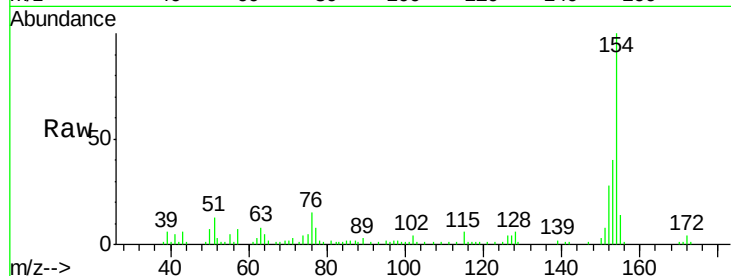
#45
 1,1'-Biphenyl
 Concen: 2.47 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

Tgt Ion:	154	Resp:	63103
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.3	60.3
76	15.2	0.0	30.2

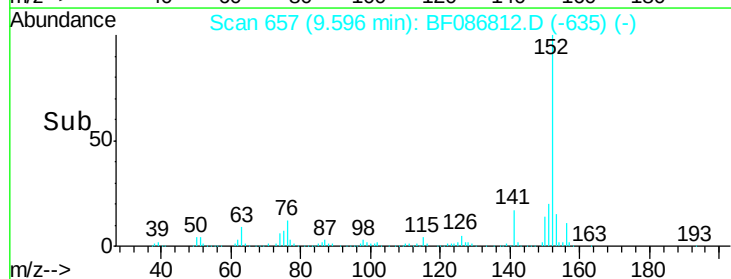
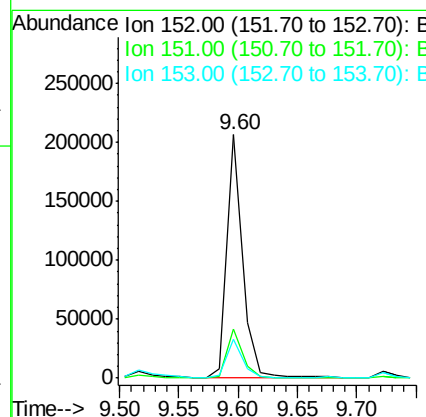
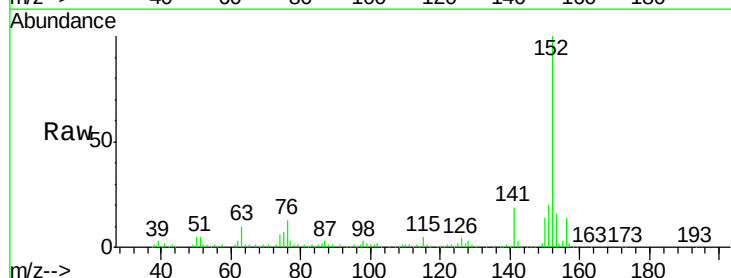
Manual Integrations
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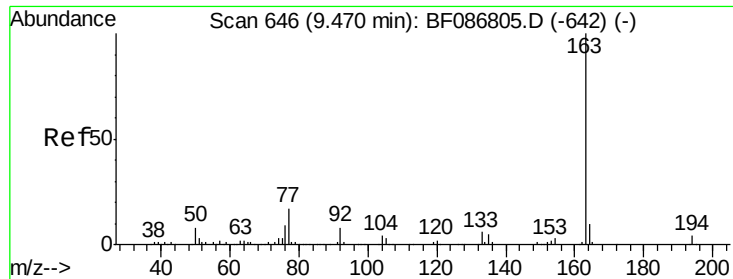
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#48
 Acenaphthylene
 Concen: 6.38 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.05 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Tgt Ion:	152	Resp:	186309
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	15.8	10.9	16.3





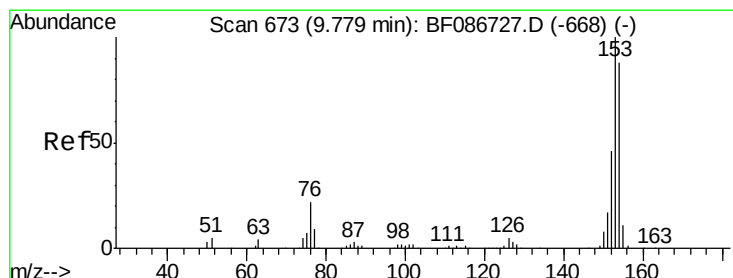
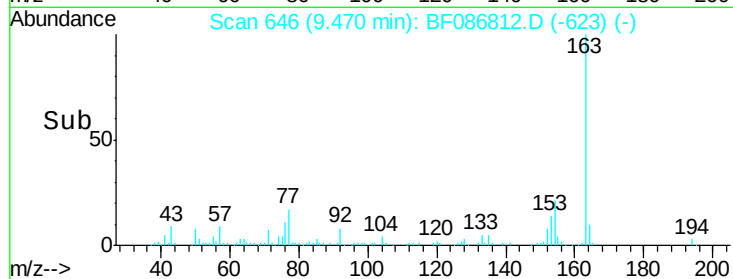
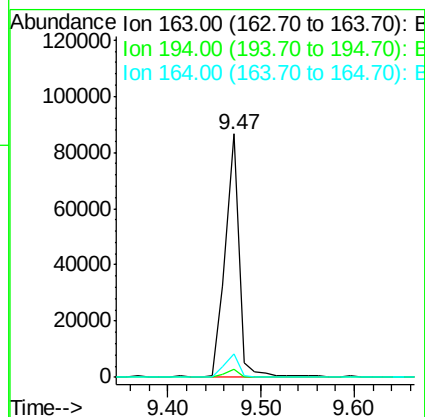
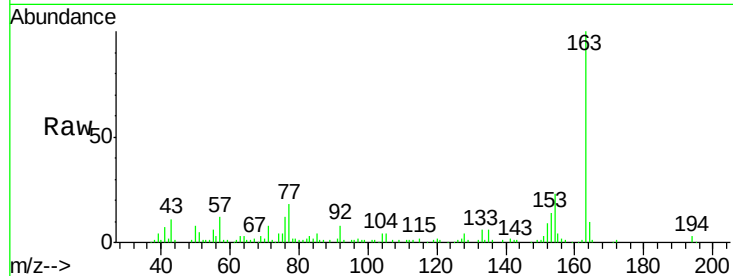
#49
Dimethylphthalate
Concen: 3.91 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.2	12.4

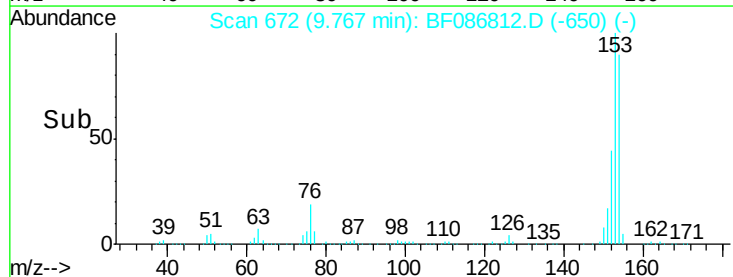
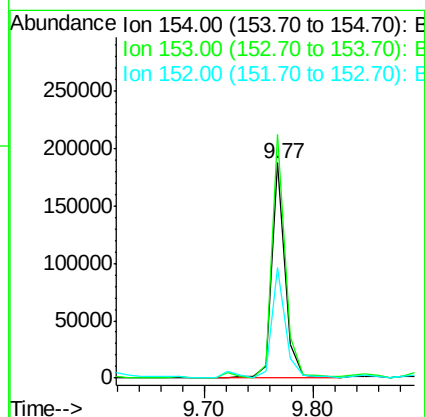
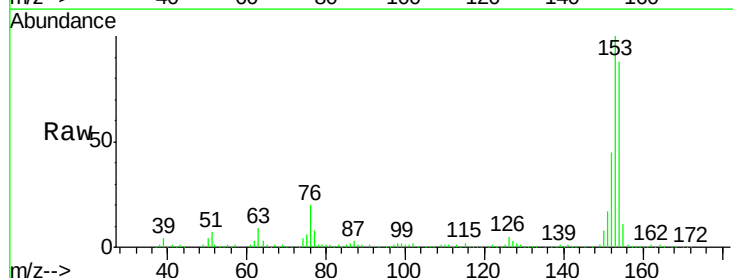
Manual Integrations
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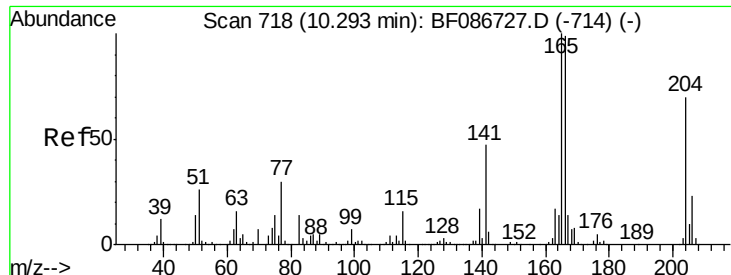
Sohil
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#51
Acenaphthene
Concen: 8.41 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	113.3	89.8	134.6
152	51.4	43.4	65.0





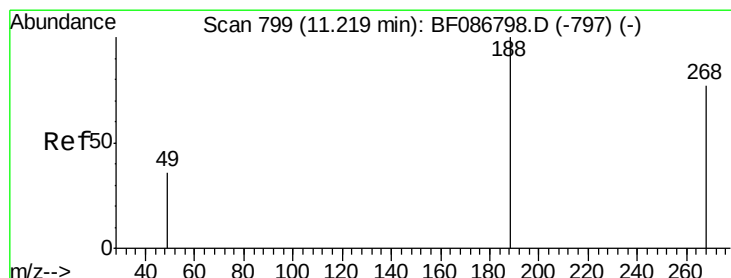
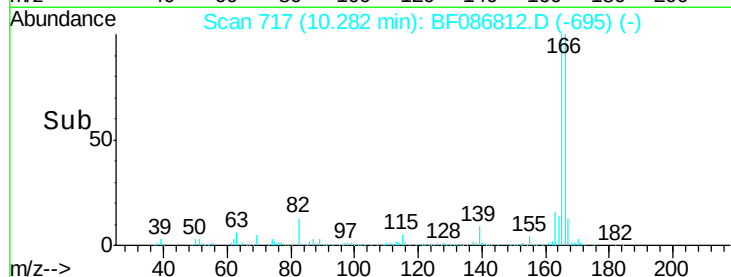
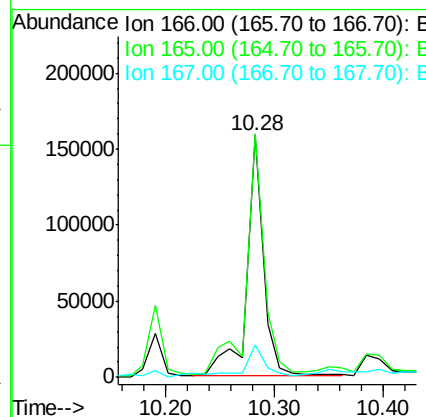
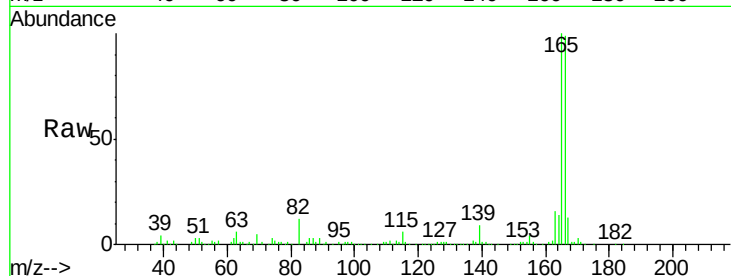
#57
Fluorene
 Concen: 8.70 ng
 RT: 10.28 min Scan# 717
 Delta R.T. -0.05 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	168334		
165	100.6	79.0	118.6	
167	13.6	10.6	15.8	

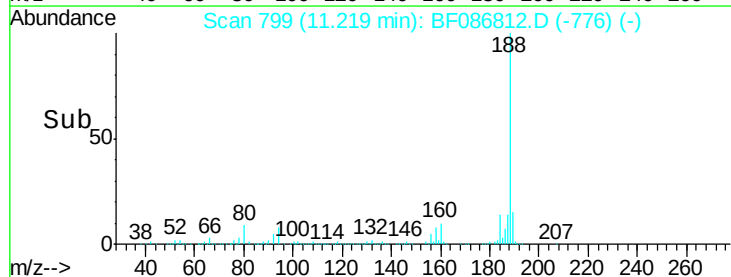
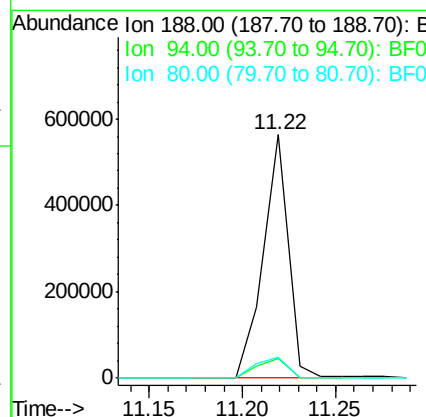
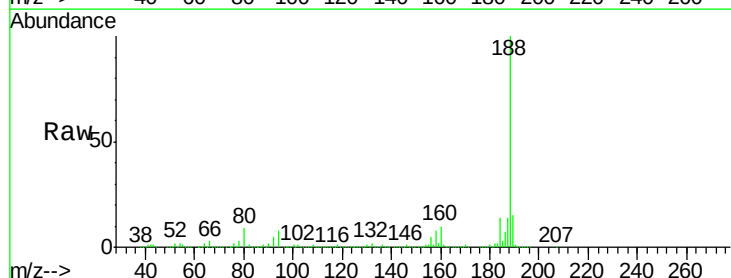
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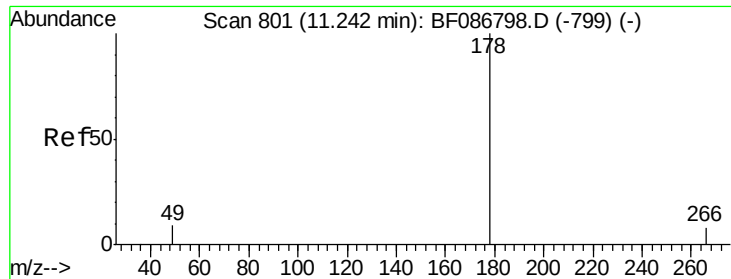
Sohil
 5/9/2016 7:20:34 PM



#63
Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	524040		
94	8.3	6.8	10.2	
80	8.7	7.1	10.7	





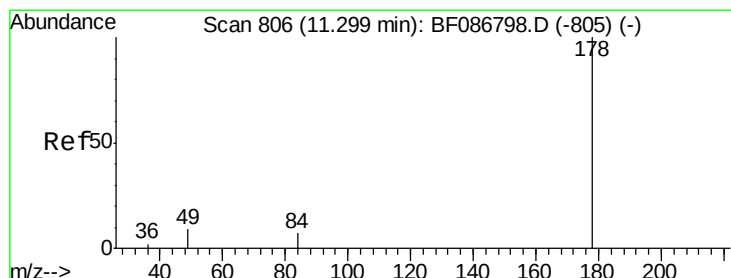
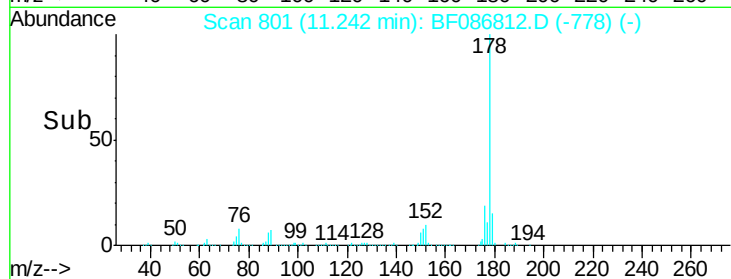
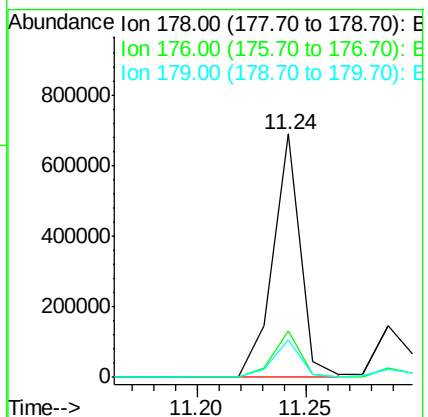
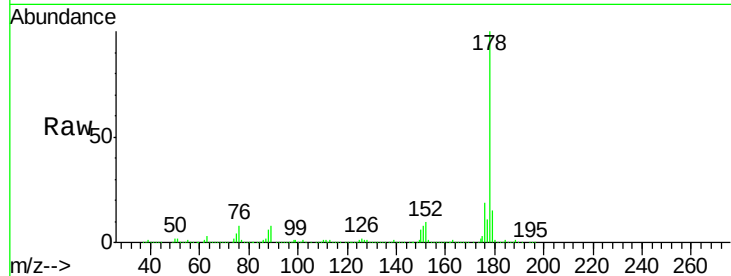
#70
Phenanthrene
Concen: 21.58 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion:178 Resp: 607316
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.6 18.8

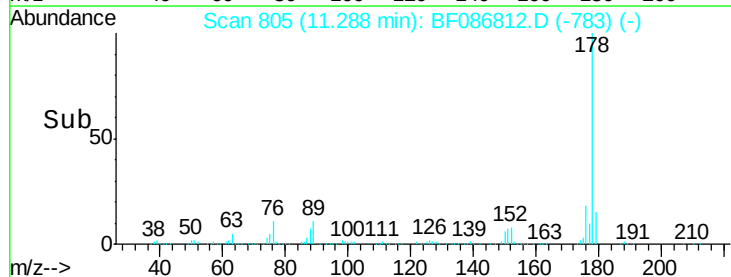
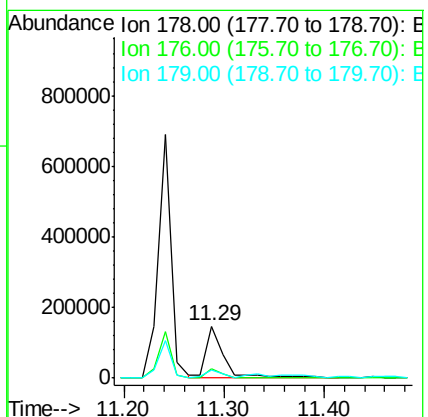
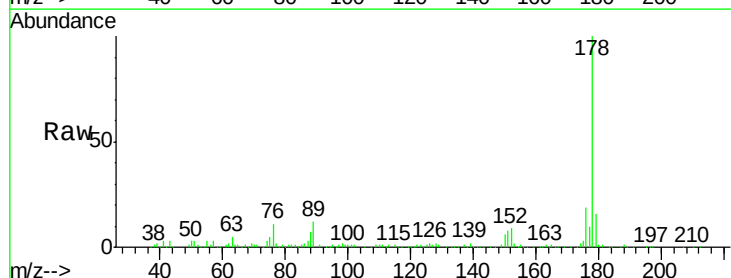
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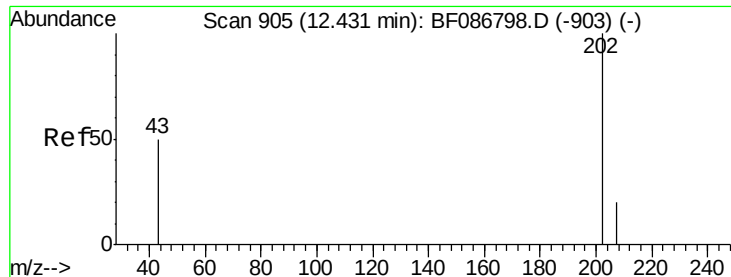
Sohil
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#71
Anthracene
Concen: 5.92 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion:178 Resp: 174429
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 16.0 12.7 19.1





#74

Fluoranthene

Concen: 8.81 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086812.D

Acq: 8 May 2016 9:36

Instrument :

BNA_F

ClientSampleId :

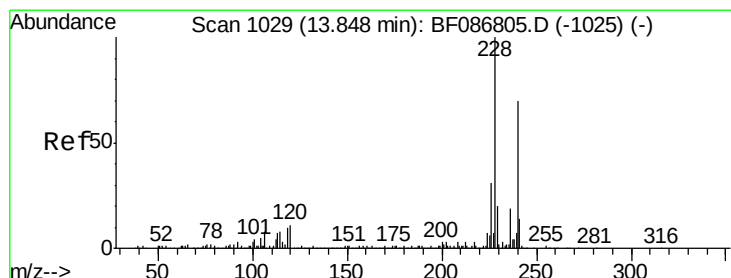
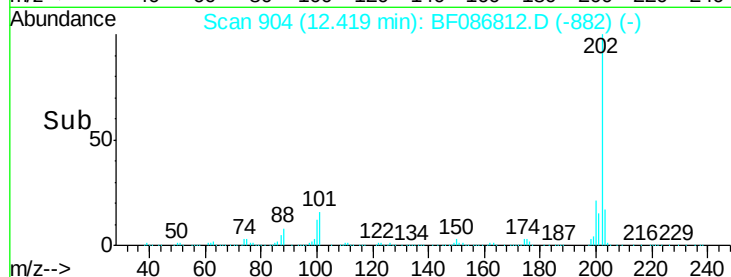
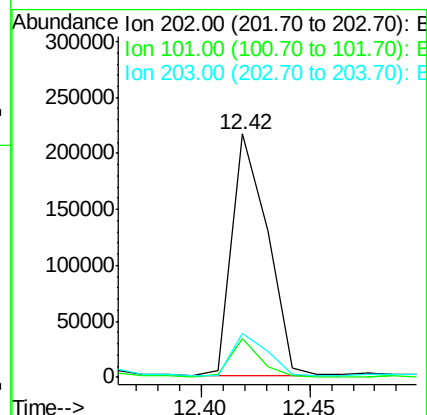
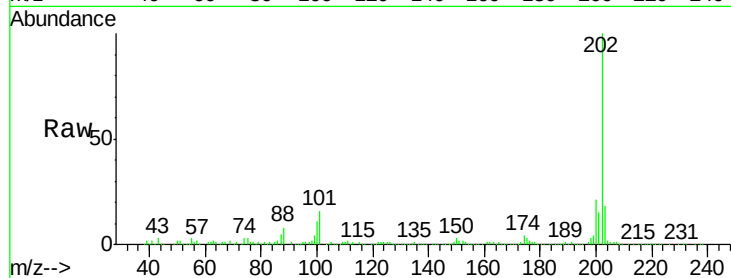
TEC-B2COMPDL

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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		248643		
101	15.8	0.0	35.4		
203	18.0	0.0	38.1		



#75

Chrysene-d12

Concen: 40.00 ng

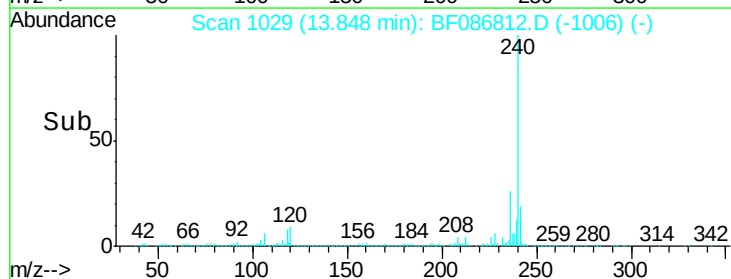
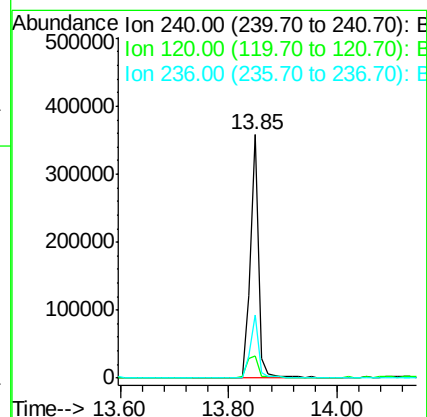
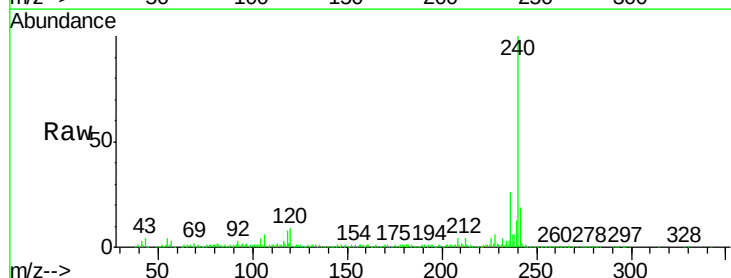
RT: 13.85 min Scan# 1029

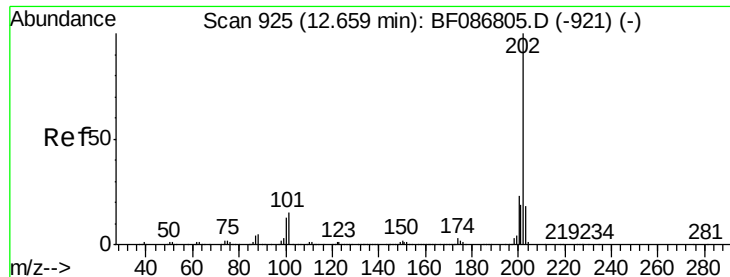
Delta R.T. -0.03 min

Lab File: BF086812.D

Acq: 8 May 2016 9:36

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		365654		
120	9.1	11.2	16.8#		
236	26.2	21.2	31.8		





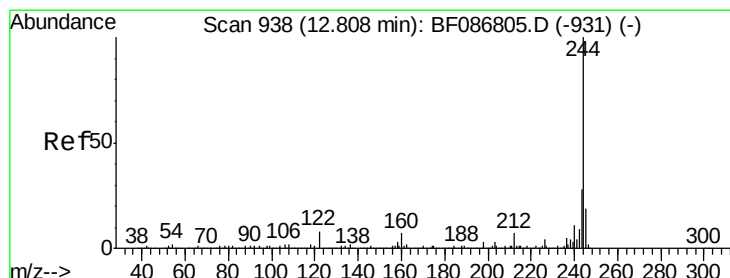
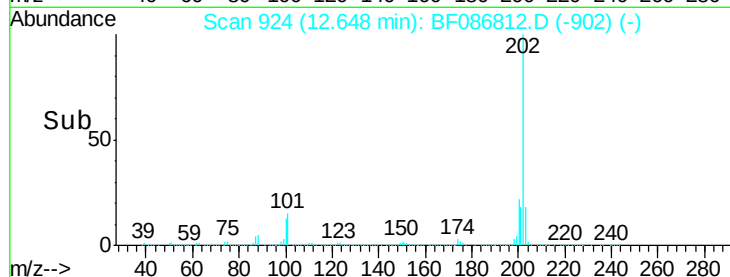
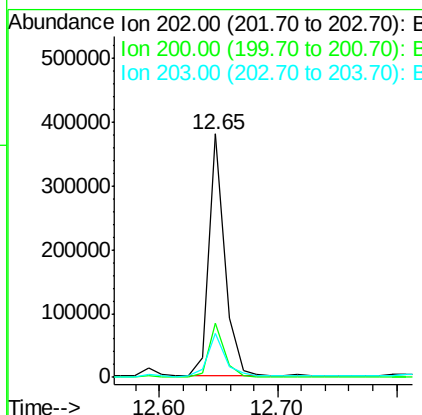
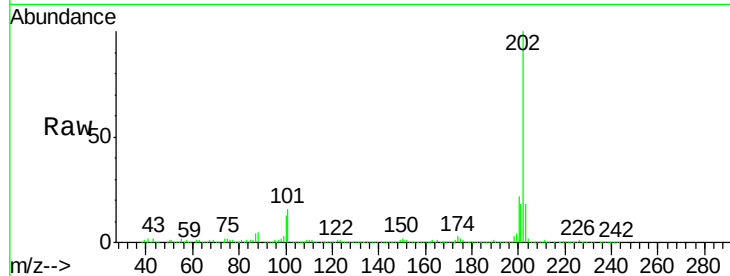
#77
Pyrene
Concen: 12.13 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.1	17.7	26.5
203	18.1	14.2	21.4

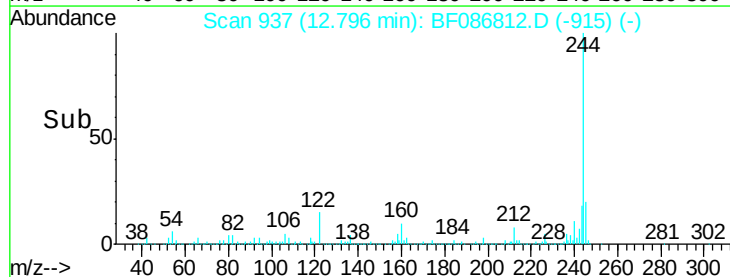
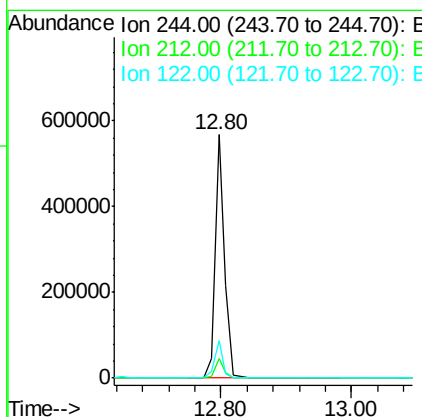
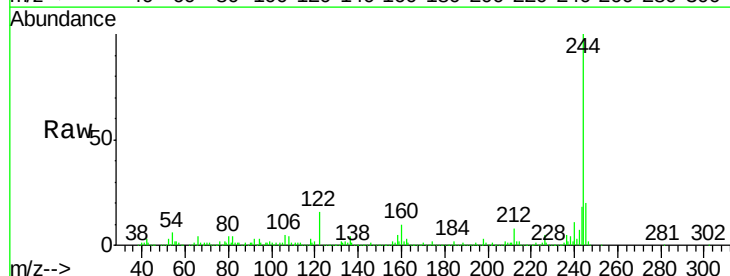
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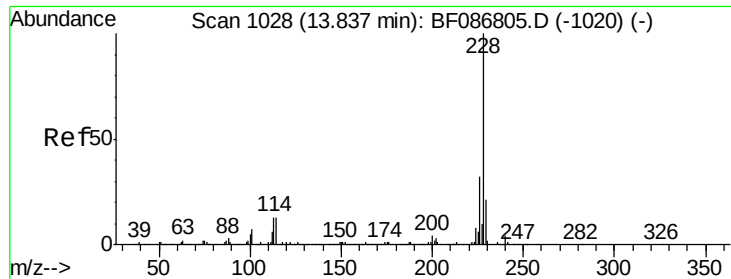
Sohil
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#78
Terphenyl-d14
Concen: 32.39 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	6.2	9.2
122	15.5	12.0	18.0





#80

Benzo(a)anthracene

Concen: 5.76 ng m

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF086812.D

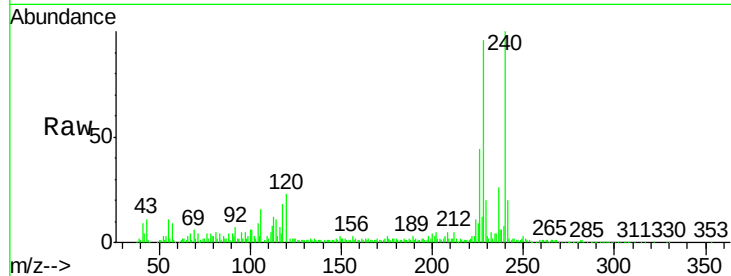
Acq: 8 May 2016 9:36

Instrument :

BNA_F

ClientSampleId :

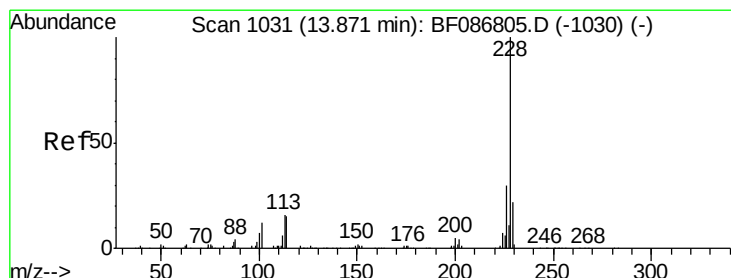
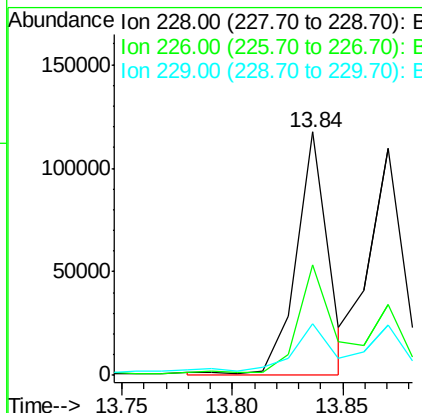
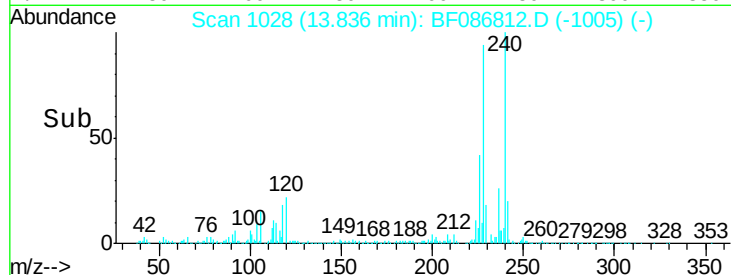
TEC-B2COMPDL



Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.6	22.5	33.7#
229	21.1	16.6	25.0

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#82

Chrysene

Concen: 5.66 ng m

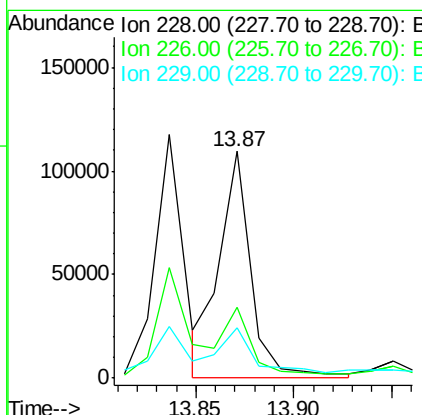
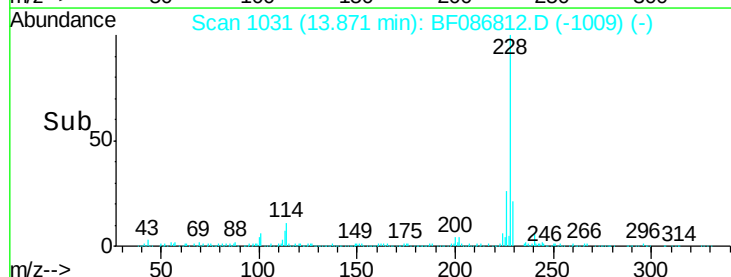
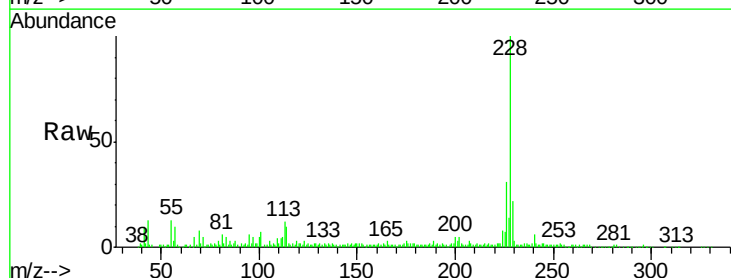
RT: 13.87 min Scan# 1031

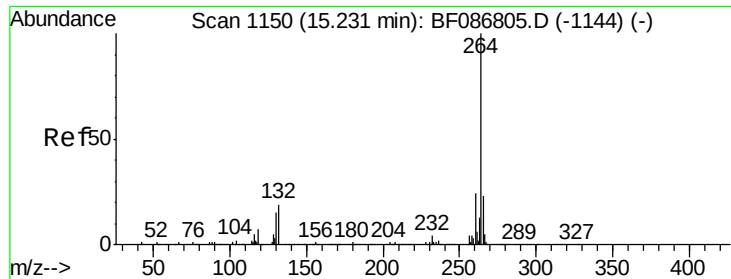
Delta R.T. -0.05 min

Lab File: BF086812.D

Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	22.2	15.8	23.8





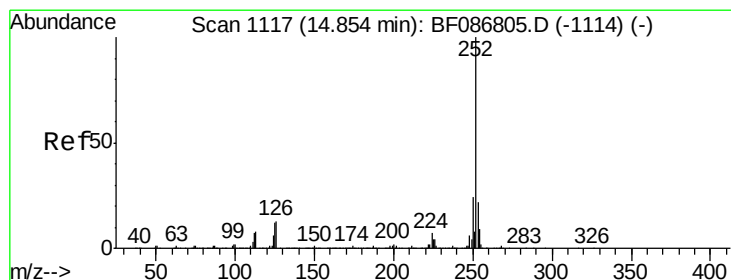
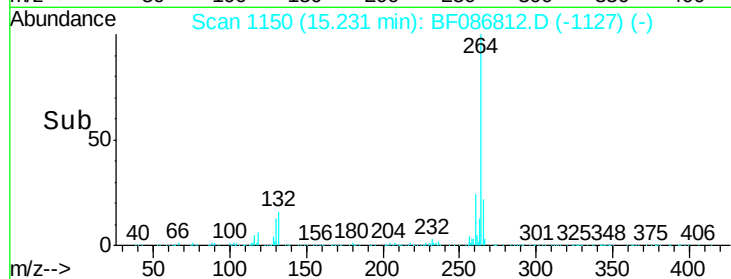
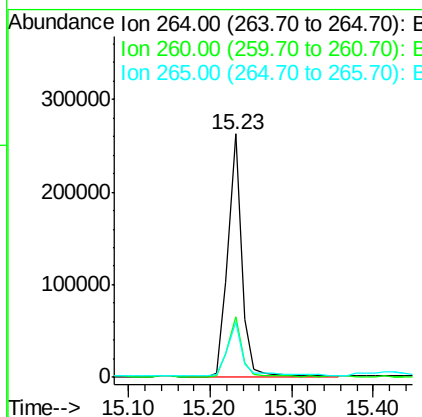
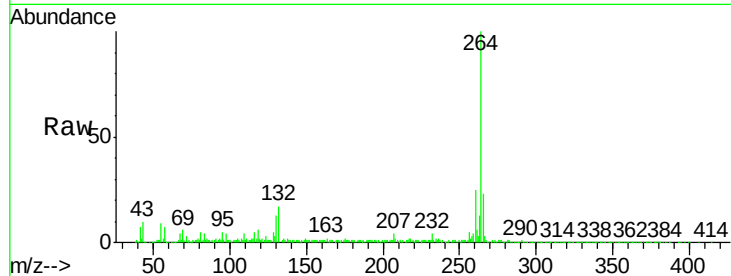
#86
Perylene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.8	19.5	29.3
265	22.5	17.3	25.9

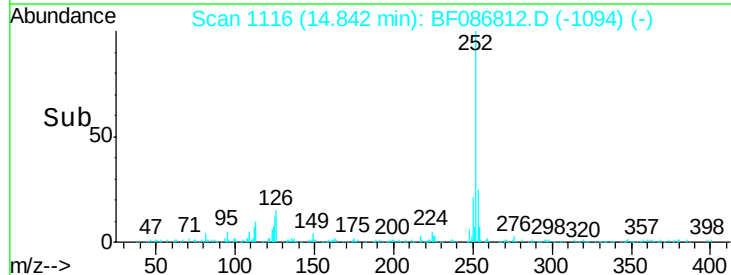
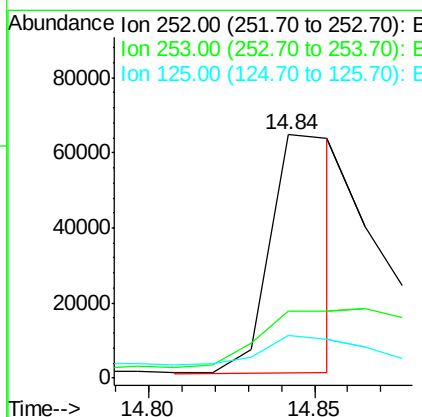
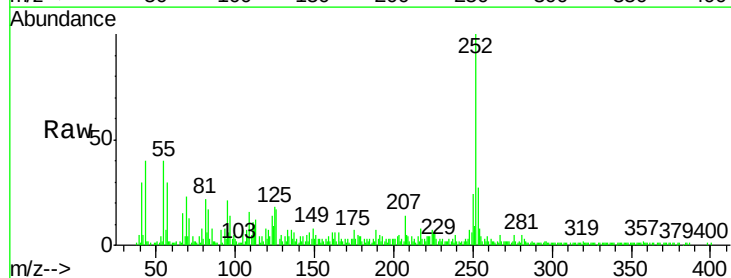
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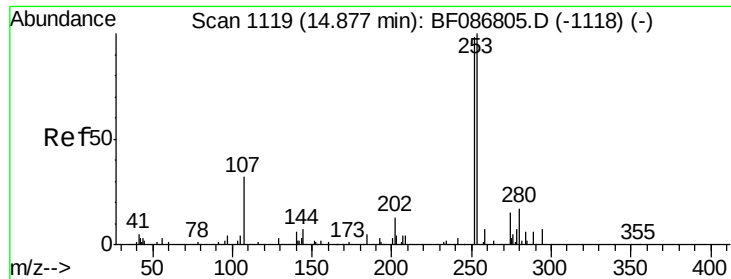
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#87
Benzo(b)fluoranthene
Concen: 4.90 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.5	17.8	26.6#
125	17.6	11.4	17.0#





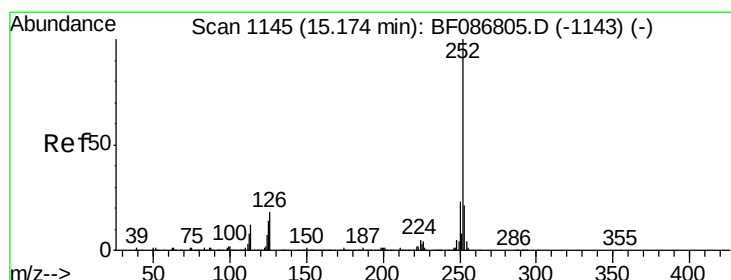
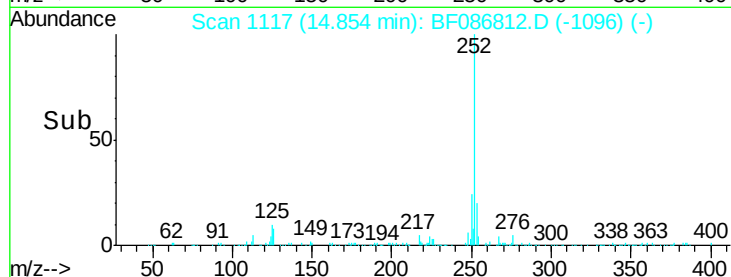
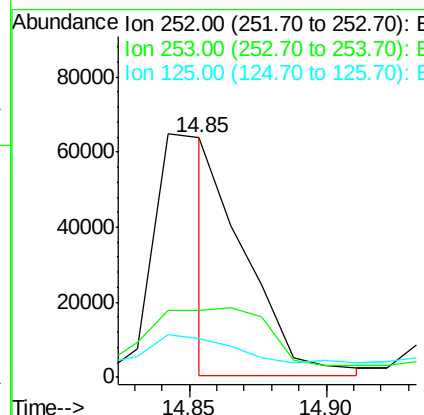
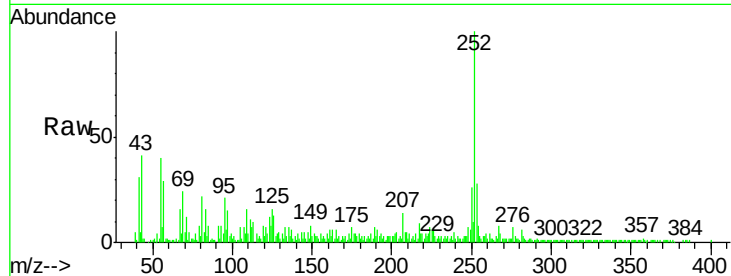
#88
Benzo(k)fluoranthene
Concen: 2.88 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50322		
253	27.9	17.8	26.6#	
125	16.3	9.1	13.7#	

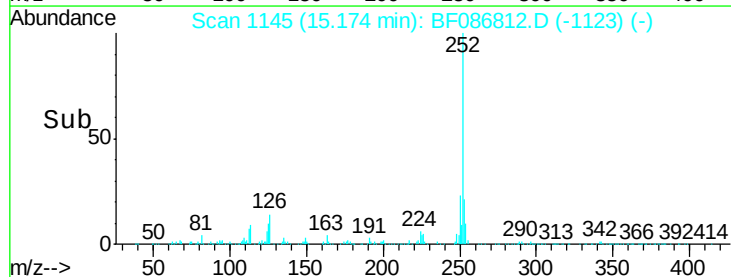
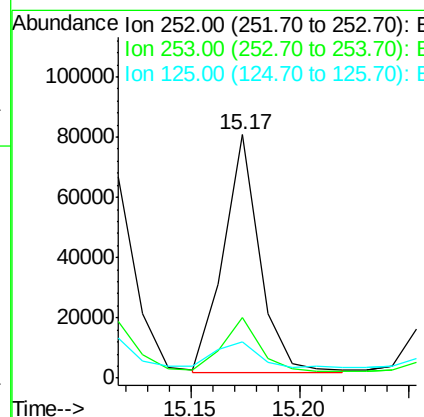
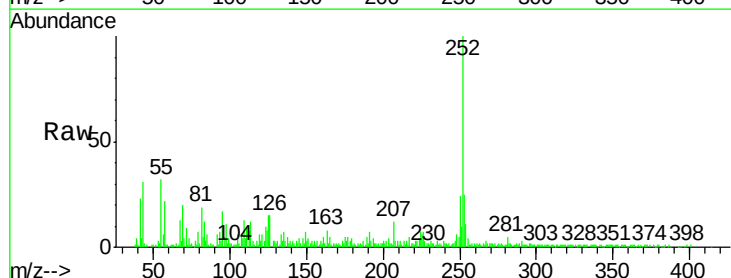
Manual Integrations
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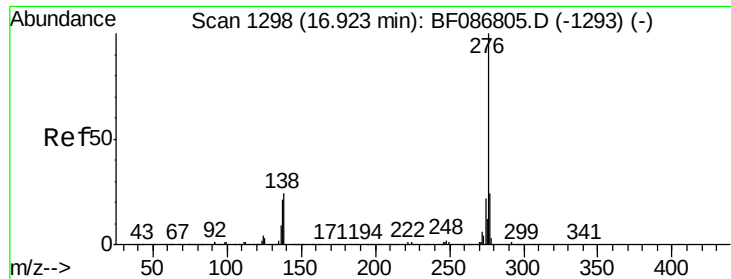
Sohil
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#89
Benzo(a)pyrene
Concen: 5.36 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086812.D
Acq: 8 May 2016 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	91549		
253	24.6	17.2	25.8	
125	14.7	9.0	13.6#	





#91
 Benzo(g,h,i)perylene
 Concen: 3.39 ng
 RT: 16.92 min Scan# 1298
 Delta R.T. -0.07 min
 Lab File: BF086812.D
 Acq: 8 May 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPDL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	23.1	23.6	35.4

Manual Integrations
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Sohil
 5/9/2016 7:20:34 PM

