

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086807.D
 Acq On : 8 May 2016 7:11
 Operator : UM/SJ
 Sample : H2720-07
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS3

Manual Integrations
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Quant Time: May 09 18:06:46 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	191915	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	709439	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	304437	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	531930	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	325065	40.00	ng	-0.03
86) Perylene-d12	15.23	264	331024	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1635801	141.11	ng	0.00
7) Phenol-d6	6.37	99	1920264	122.97	ng	0.00
23) Nitrobenzene-d5	7.28	82	1286001	93.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	463560	155.66	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1753533	94.42	ng	-0.03
78) Terphenyl-d14	12.81	244	1113017	69.20	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.01	128	276203	7.62	ng	99
37) 2-Methylnaphthalene	8.70	142	58948	2.76	ng	99
49) Dimethylphthalate	9.47	163	257931	11.36	ng	99
51) Acenaphthene	9.77	154	115166	6.12	ng	98
54) Dibenzofuran	9.94	168	90907	3.90	ng	# 94
57) Fluorene	10.28	166	138280	7.32	ng	99
70) Phenanthrene	11.24	178	1156605	40.48	ng	99
71) Anthracene	11.29	178	382770	12.79	ng	98
72) Carbazole	11.46	167	176041	6.78	ng	99
74) Fluoranthene	12.43	202	1560390	54.49	ng	95
77) Pyrene	12.66	202	1305220	50.36	ng	100
80) Benzo(a)anthracene	13.84	228	762820	41.49	ng	98
82) Chrysene	13.87	228	508648	25.93	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	328206	19.50	ng	# 90
87) Benzo(b)fluoranthene	14.85	252	868286m	43.65	ng	
88) Benzo(k)fluoranthene	14.87	252	223480m	11.92	ng	
89) Benzo(a)pyrene	15.17	252	550303	30.04	ng	95
90) Dibenzo(a,h)anthracene	16.53	278	90203m	5.13	ng	
91) Benzo(g,h,i)perylene	16.91	276	269719	14.60	ng	95

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

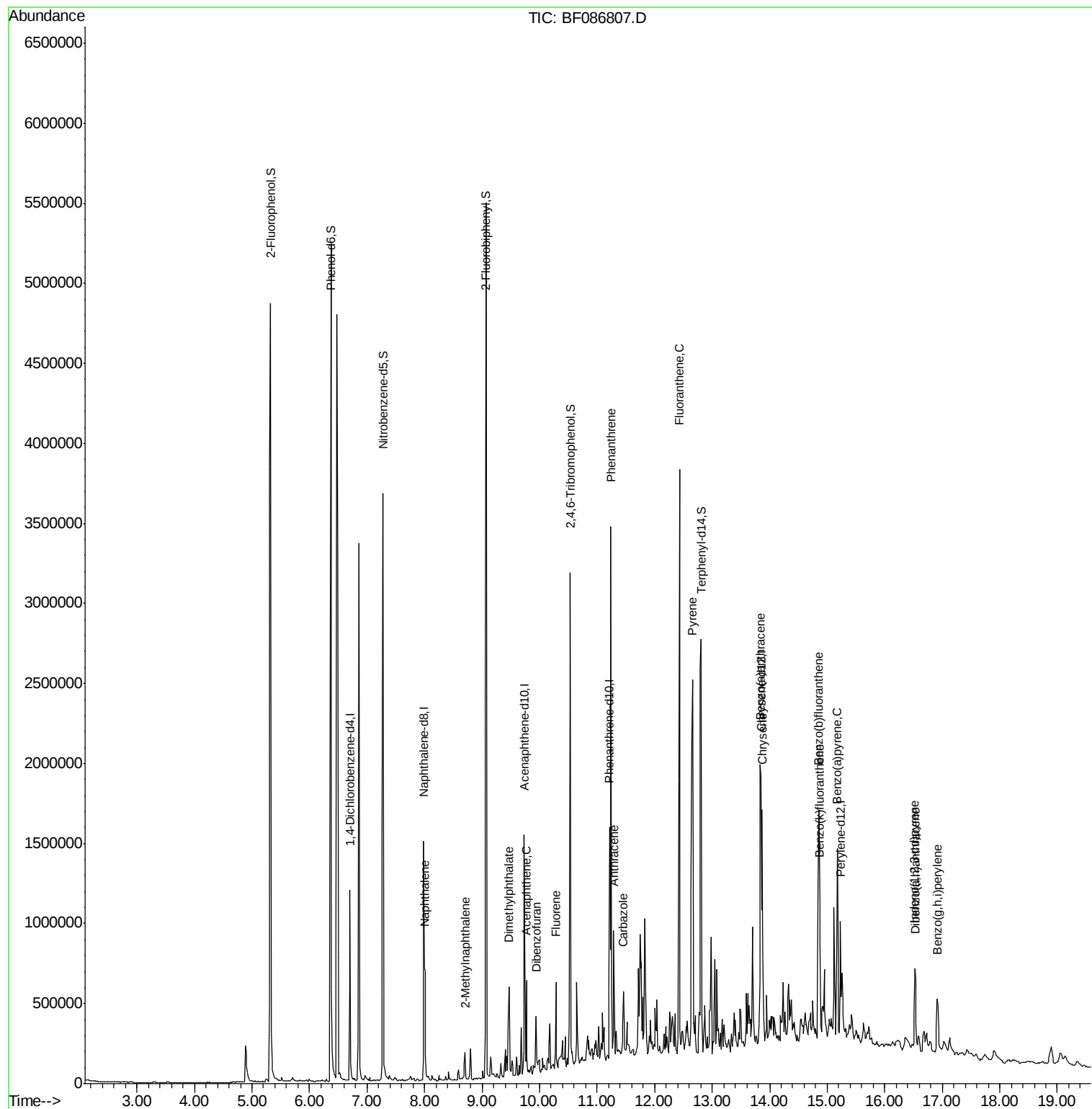
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086807.D
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ALS Vial : 75 Sample Multiplier: 1

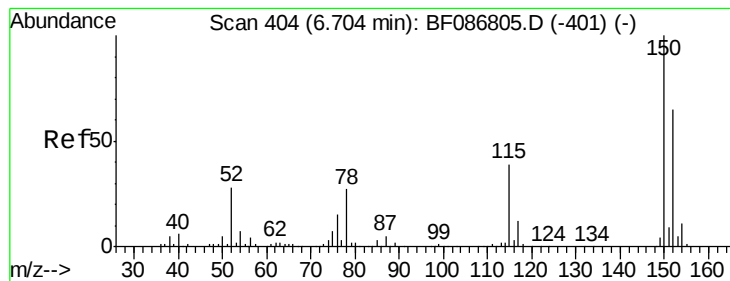
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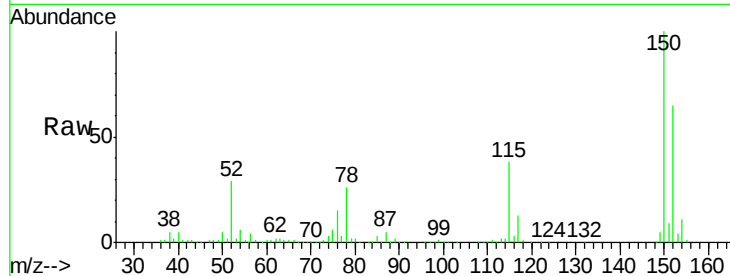
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.03 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 SS3

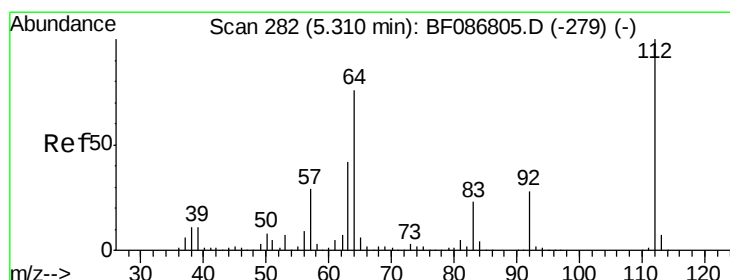
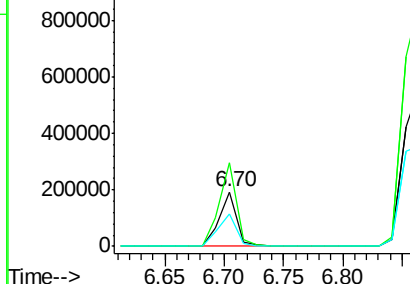
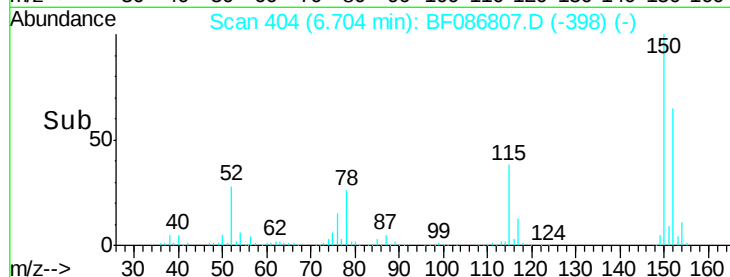
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.8	188.6
115	58.9	51.5	77.3

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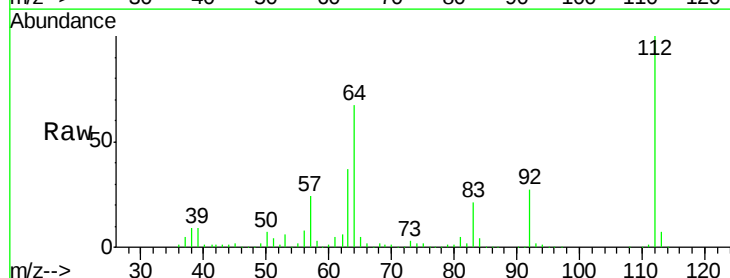


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

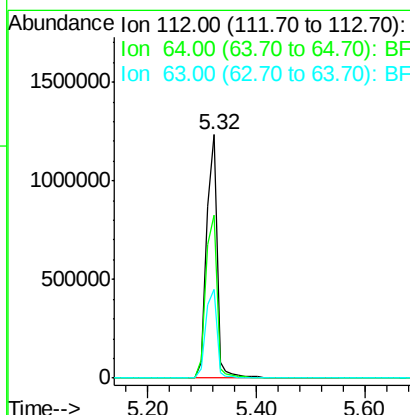
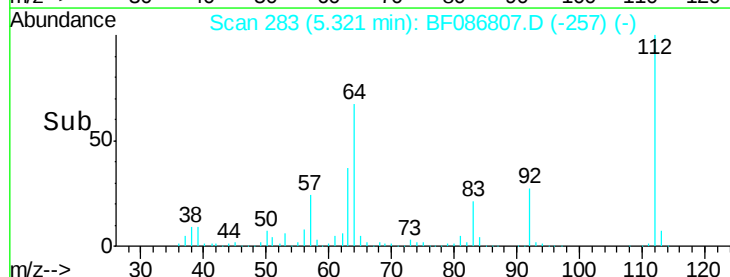


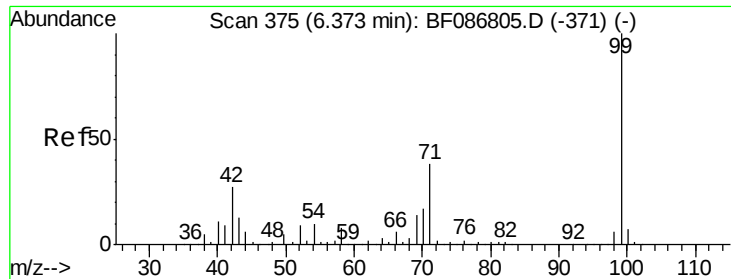
#5
 2-Fluorophenol
 Concen: 141.11 ng
 RT: 5.32 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	52.1	78.1
63	36.7	25.7	38.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.97 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

SS3

Tgt Ion: 99 Resp: 1920264

Ion Ratio Lower Upper

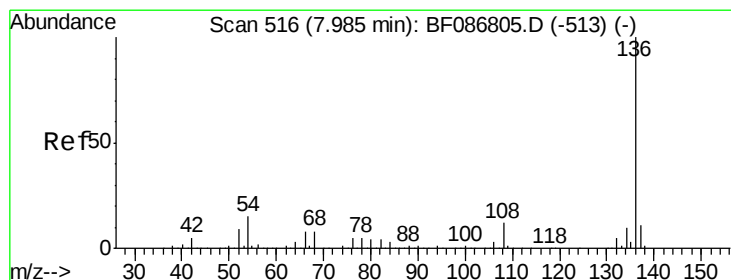
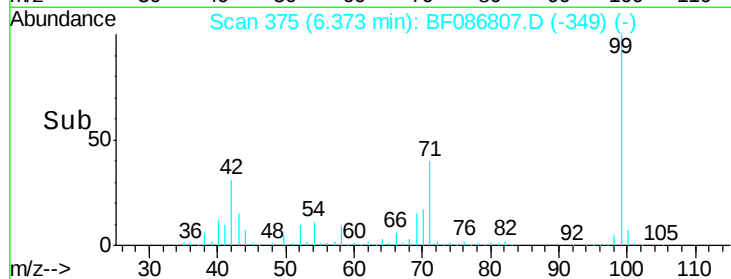
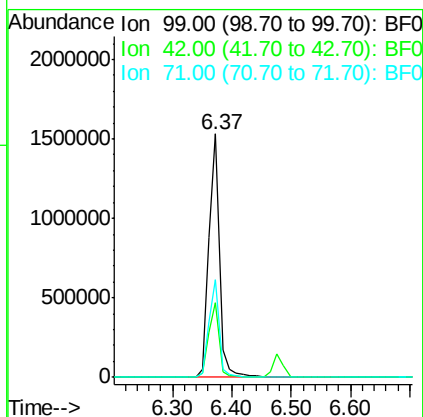
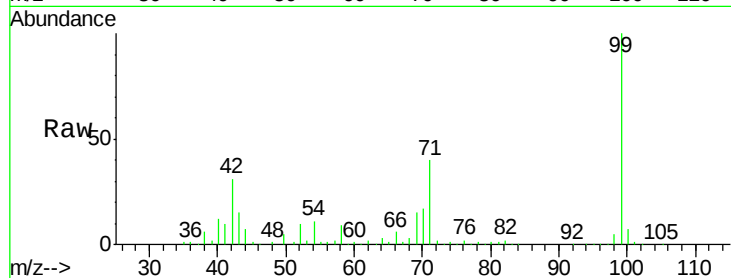
99 100

42 30.9 13.6 20.4#

71 40.2 24.6 36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

Tgt Ion: 136 Resp: 709439

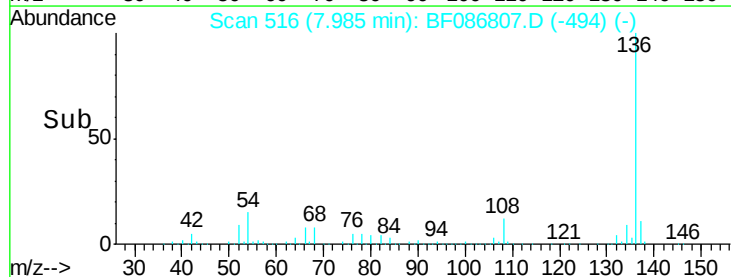
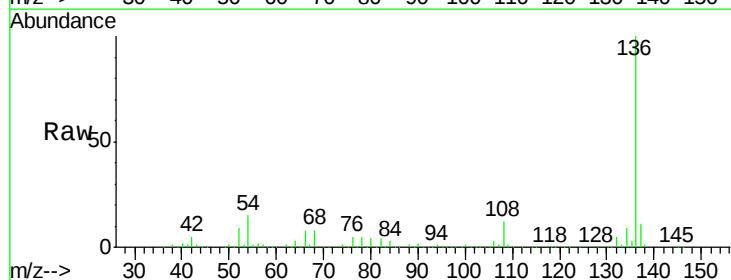
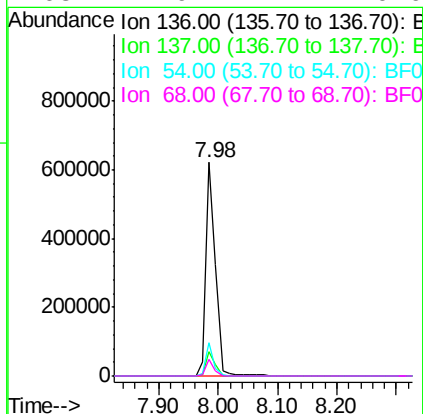
Ion Ratio Lower Upper

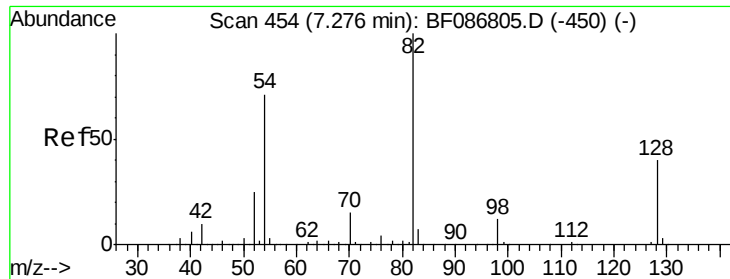
136 100

137 11.4 8.8 13.2

54 15.4 5.0 7.4#

68 7.9 4.4 6.6#





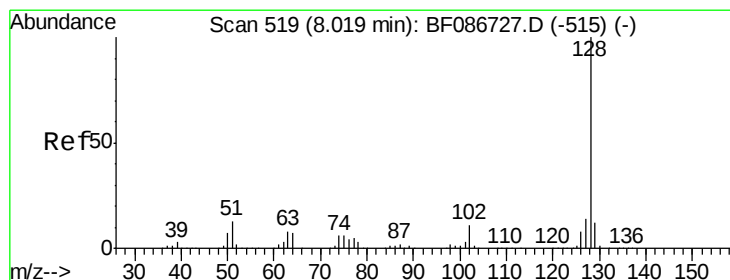
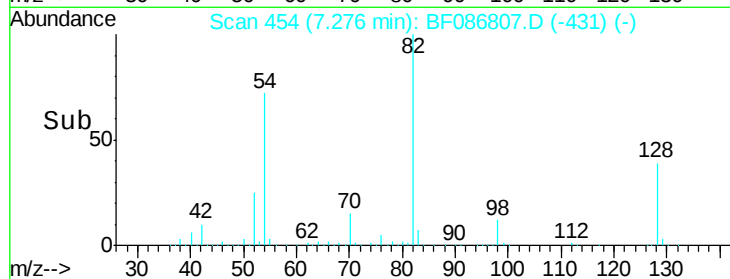
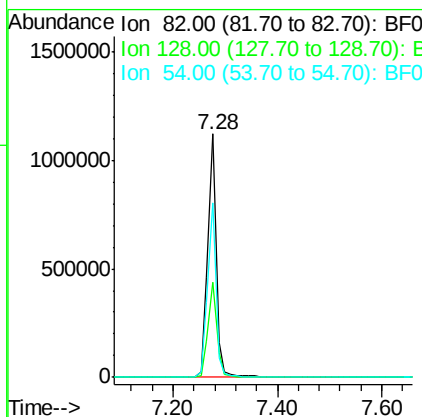
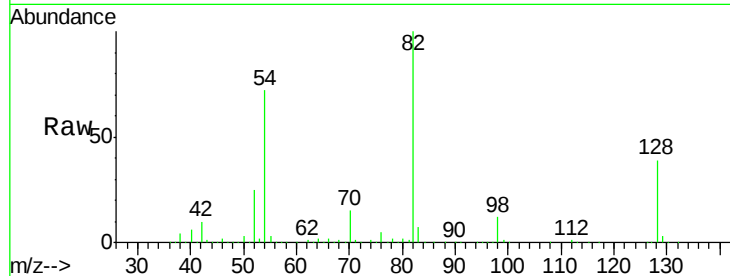
#23
Nitrobenzene-d5
Concen: 93.15 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.9	40.6	61.0#
54	71.8	38.1	57.1#

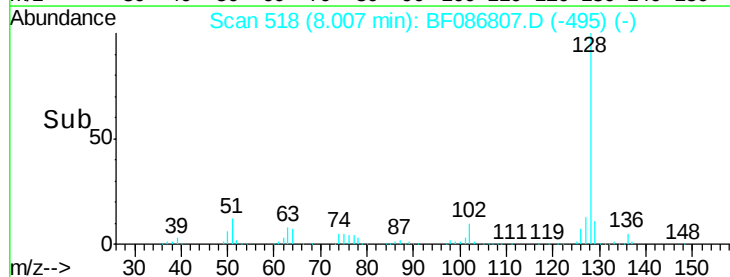
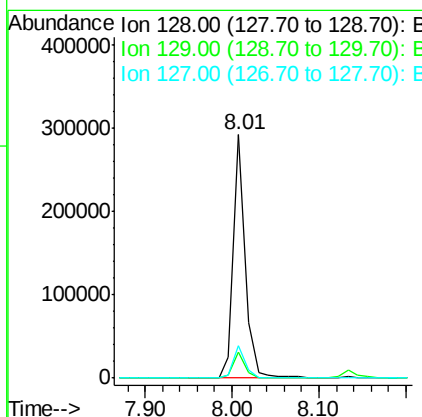
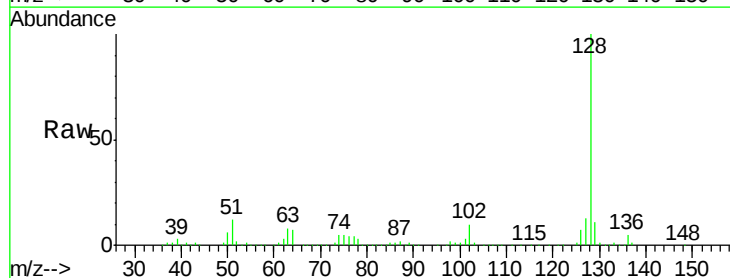
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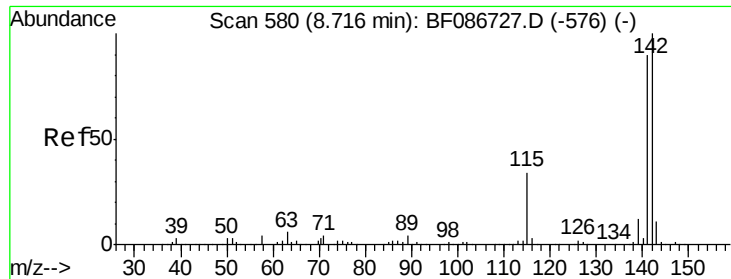
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#31
Naphthalene
Concen: 7.62 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF086807.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.8	16.2





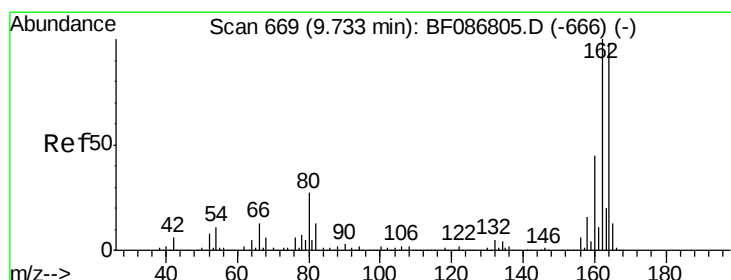
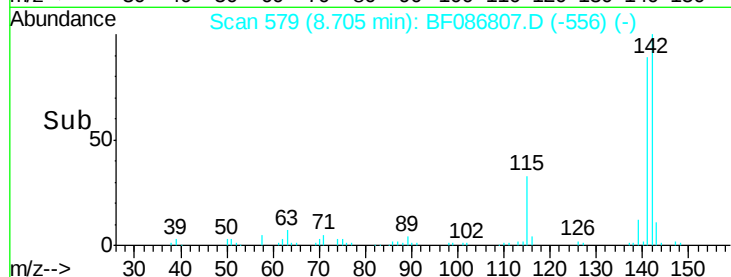
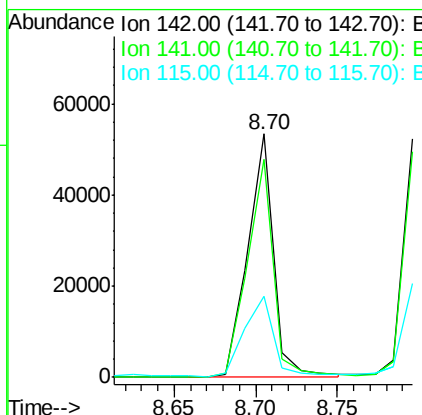
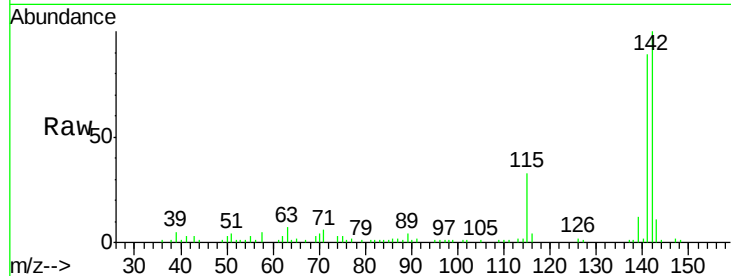
#37
2-Methylnaphthalene
Concen: 2.76 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.0	106.6
115	33.4	26.6	39.8

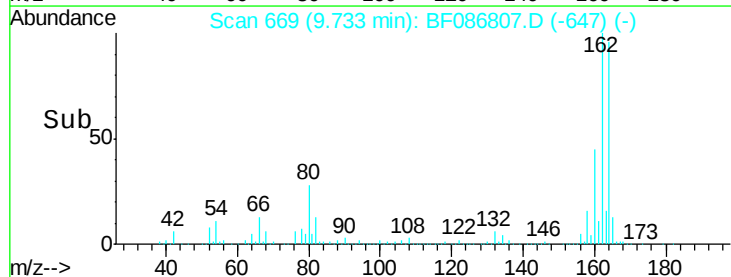
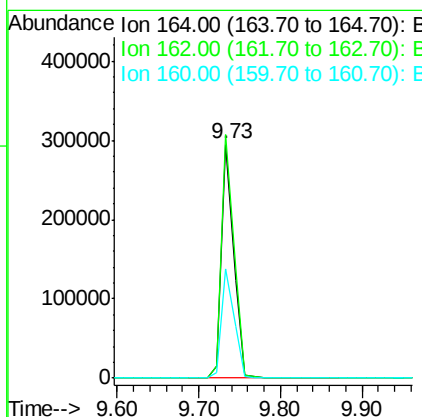
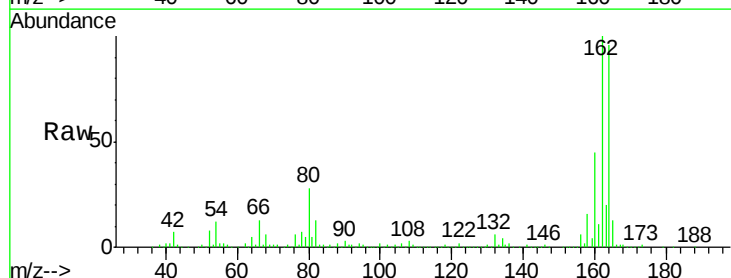
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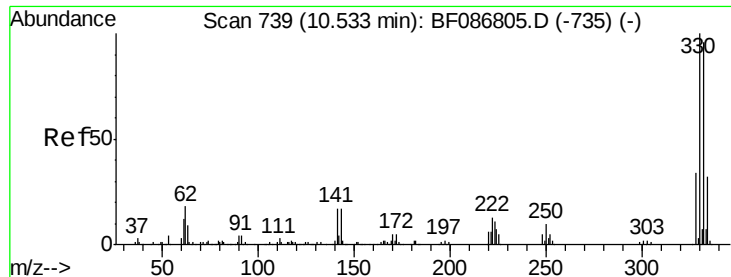
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.8	124.2
160	46.9	36.9	55.3





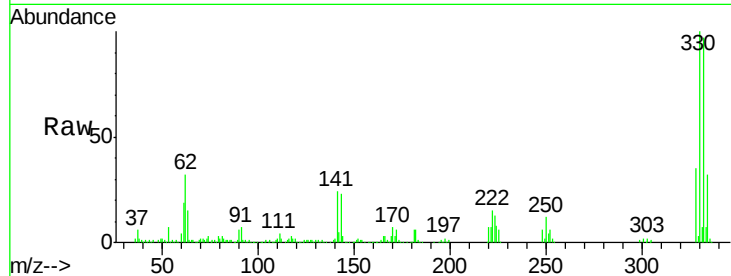
#41
 2,4,6-Tribromophenol
 Concen: 155.66 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 SS3

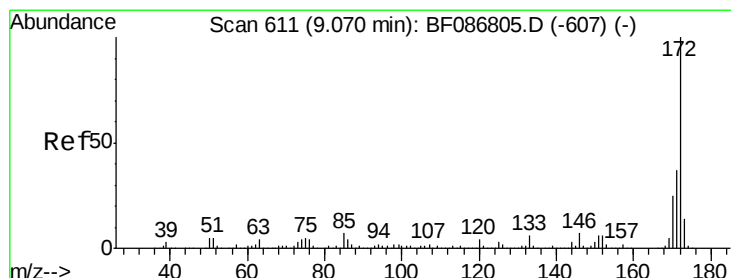
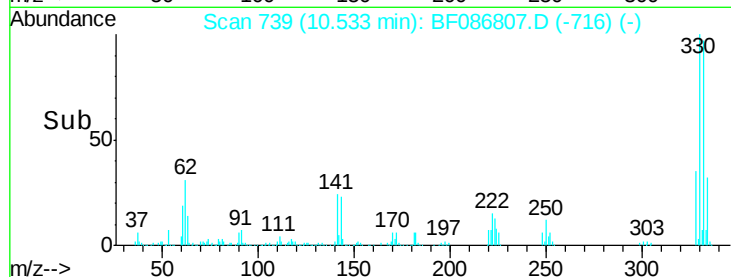
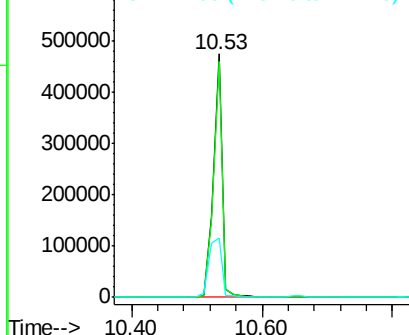
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	463560		
332	96.6	79.0	118.4	
141	35.8	31.2	46.8	

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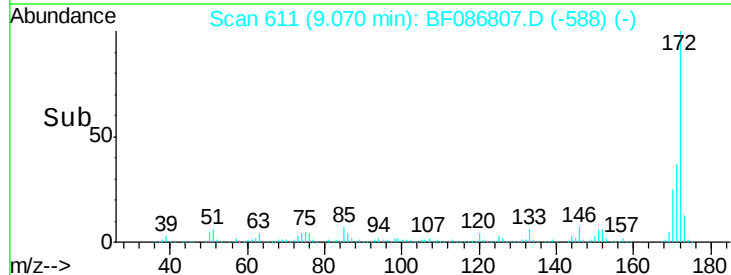
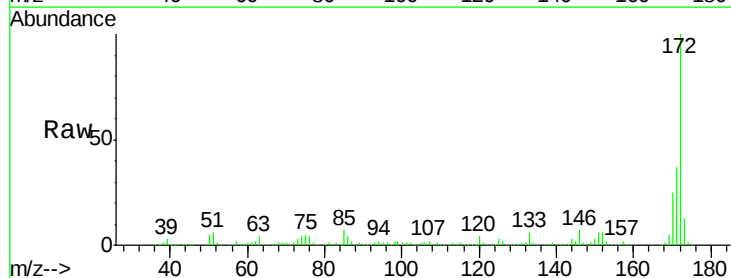
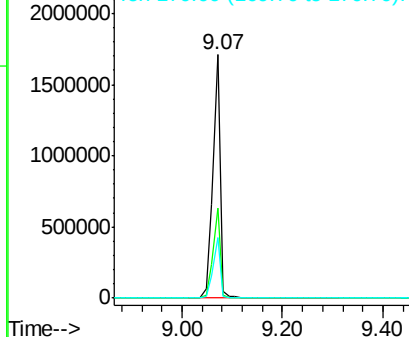
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

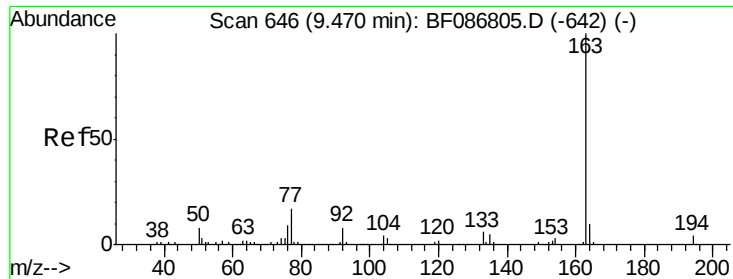


#44
 2-Fluorobiphenyl
 Concen: 94.42 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1753533		
171	36.8	29.0	43.6	
170	25.0	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





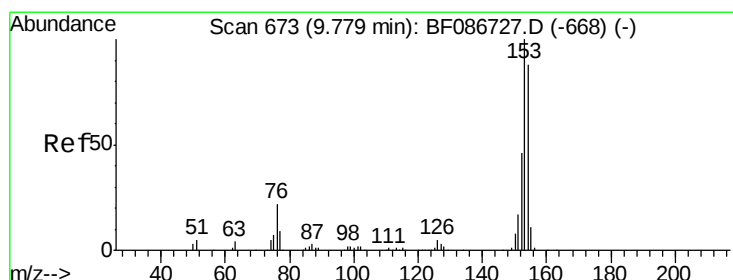
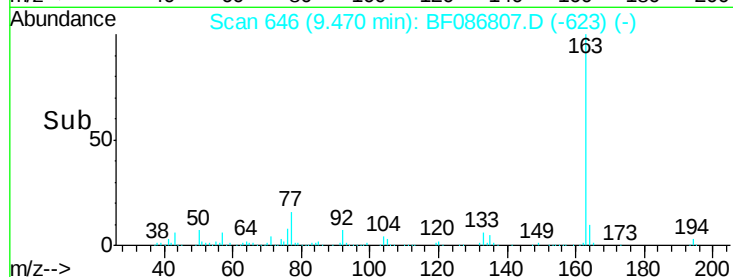
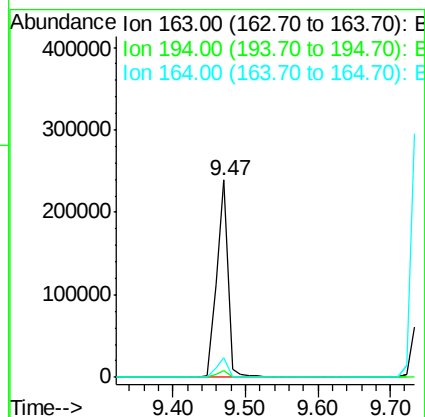
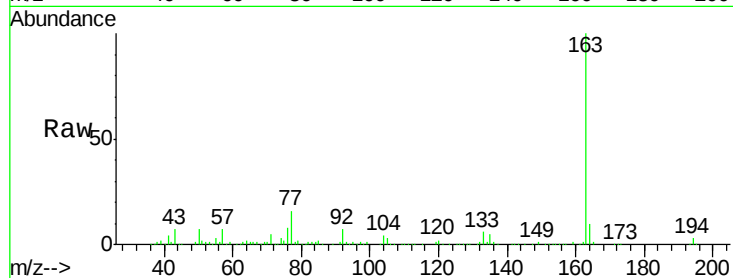
#49
Dimethylphthalate
Concen: 11.36 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.2	12.4

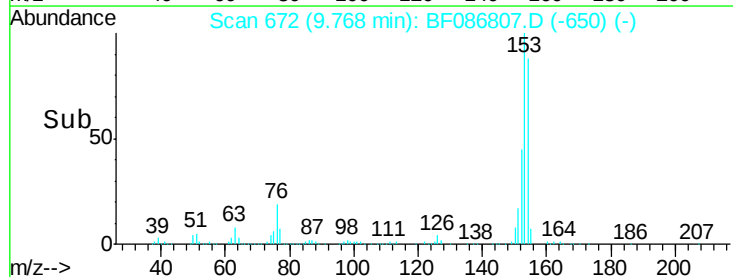
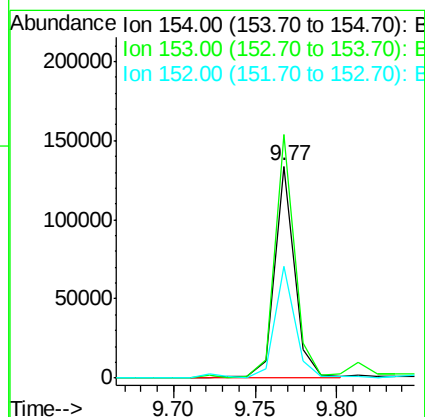
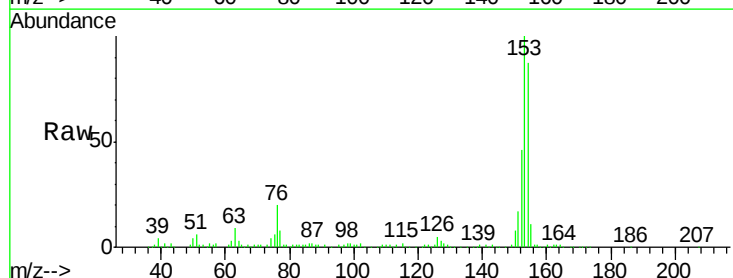
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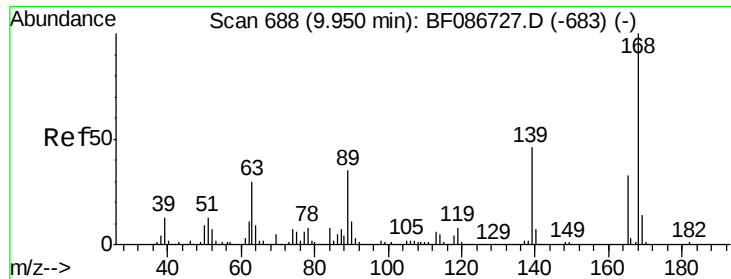
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#51
Acenaphthene
Concen: 6.12 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.7	89.8	134.6
152	52.8	43.4	65.0





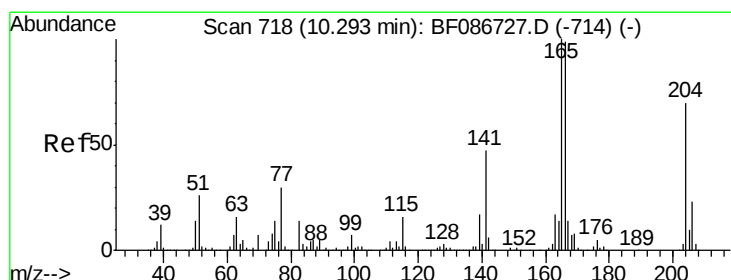
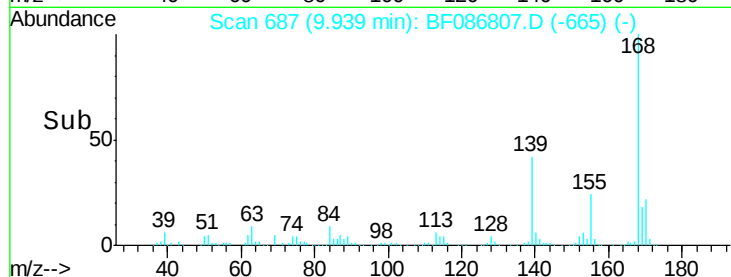
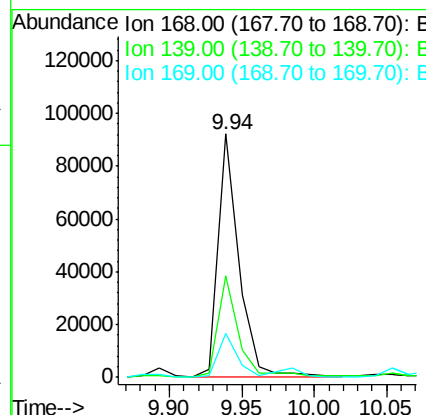
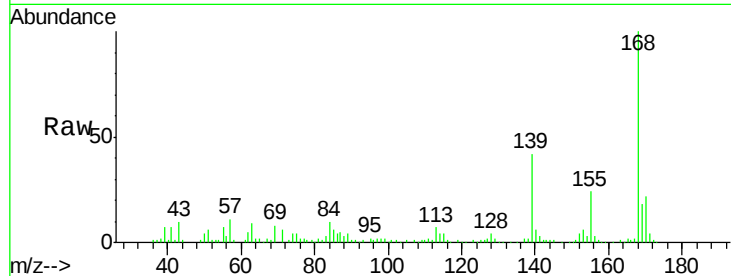
#54
Dibenzenofuran
Concen: 3.90 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	41.6	31.4	47.0
169	17.8	10.7	16.1

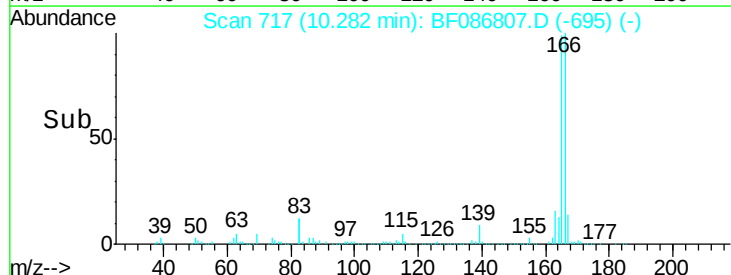
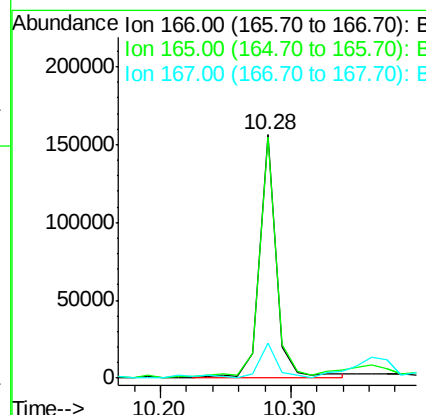
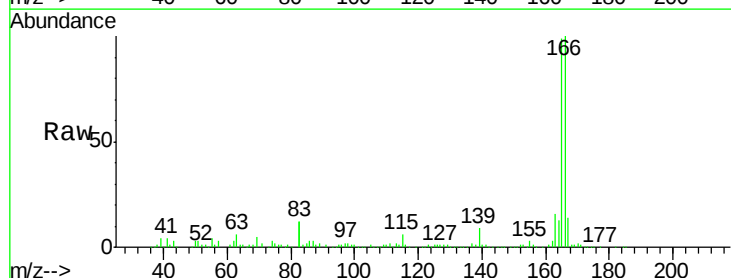
Manual Integrations
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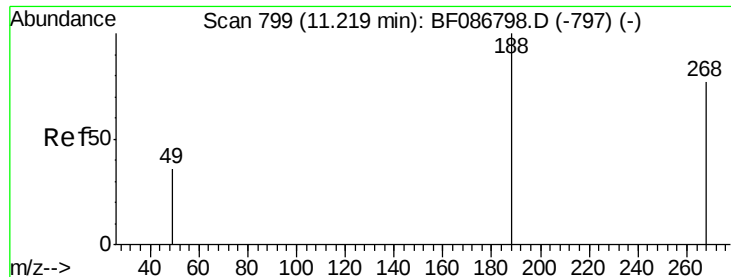
Sohil
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#57
Fluorene
Concen: 7.32 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	99.3	79.0	118.6
167	14.2	10.6	15.8





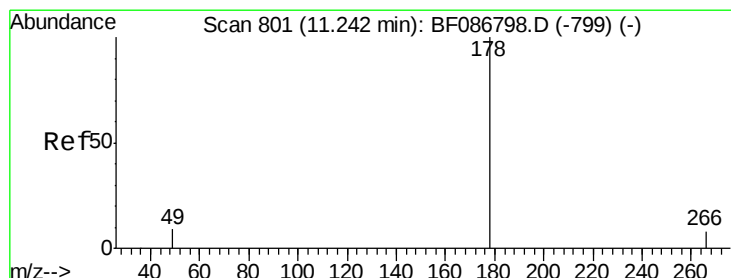
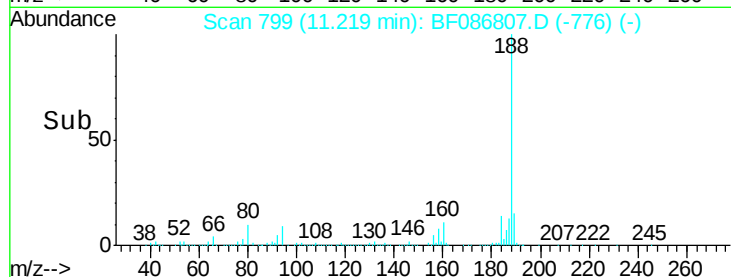
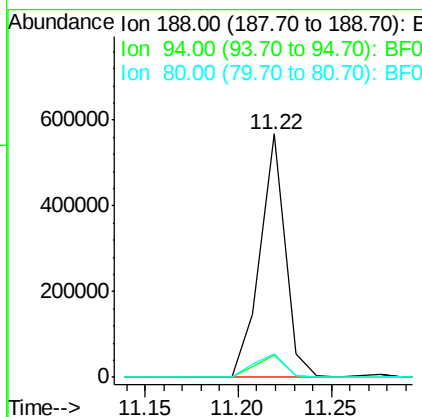
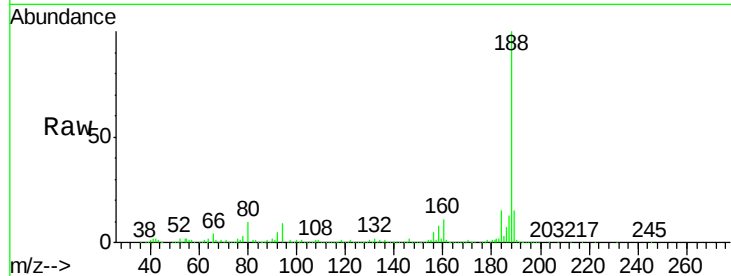
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	6.8	10.2
80	9.8	7.1	10.7

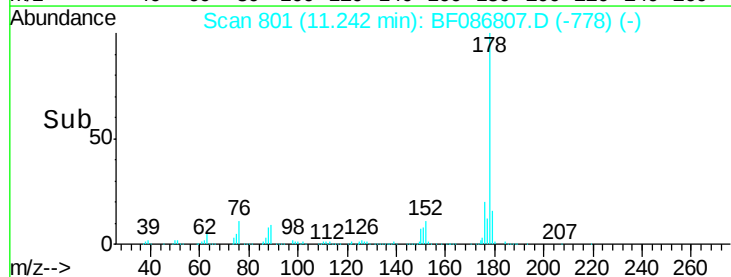
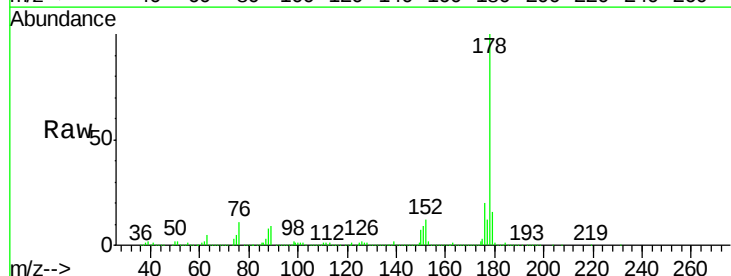
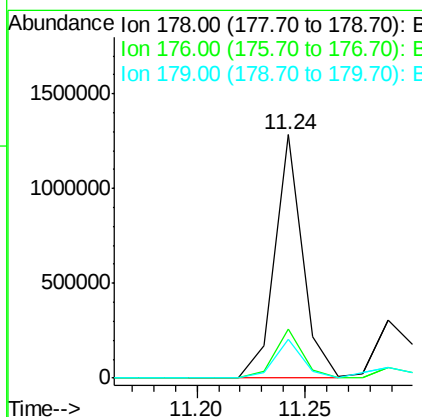
Manual Integrations
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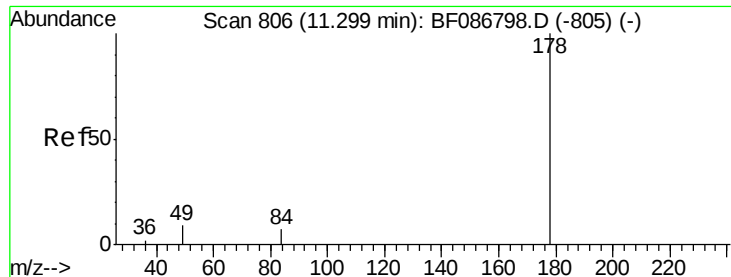
Sohil
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#70
Phenanthrene
Concen: 40.48 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	16.0	24.0
179	16.0	12.6	18.8





#71

Anthracene

Concen: 12.79 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

Instrument :

BNA_F

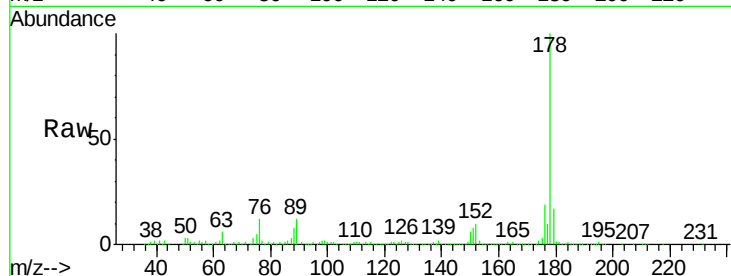
ClientSampleId :

SS3

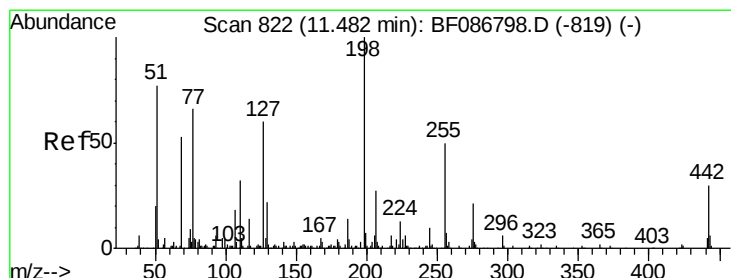
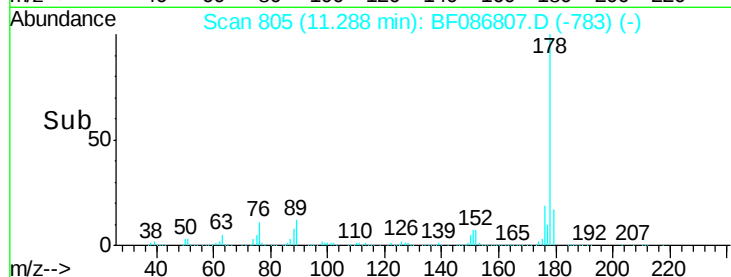
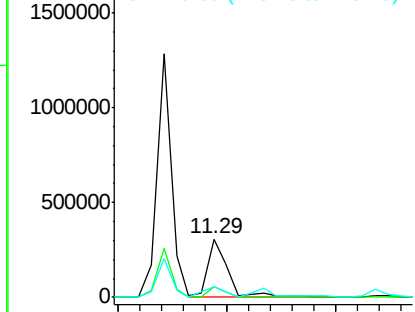
Tgt Ion:	178	Resp:	382770
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.6	23.4
179	17.1	12.7	19.1

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



#72

Carbazole

Concen: 6.78 ng

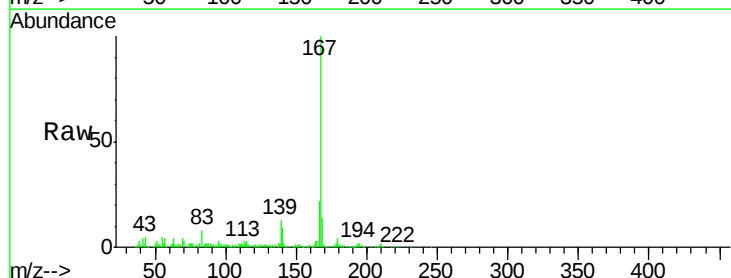
RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

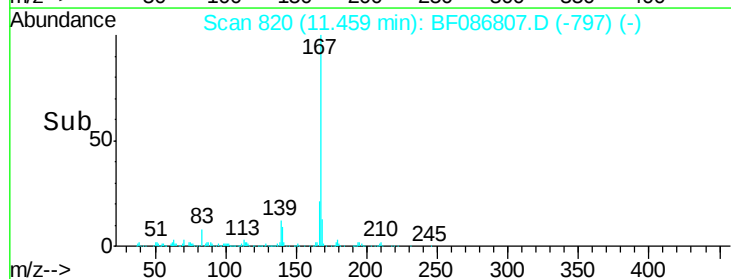
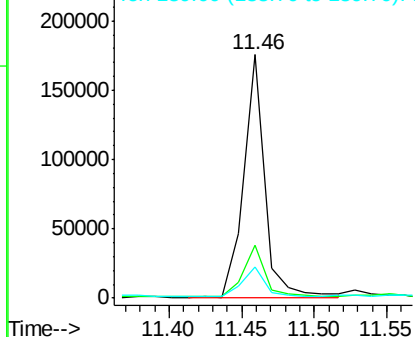
Lab File: BF086807.D

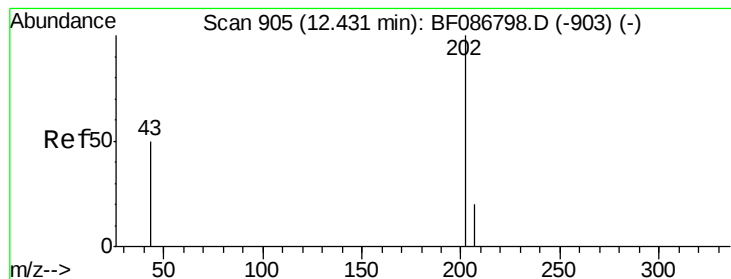
Acq: 8 May 2016 7:11

Tgt Ion:	167	Resp:	176041
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.7	26.5
139	12.9	10.8	16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 54.49 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.03 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

SS3

Tgt Ion:202 Resp: 1560390

Ion Ratio Lower Upper

202 100

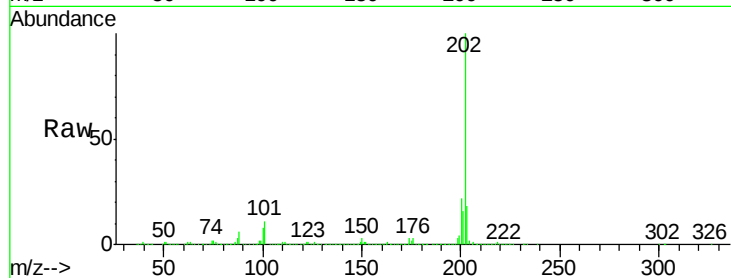
101 11.1 0.0 35.4

203 18.2 0.0 38.1

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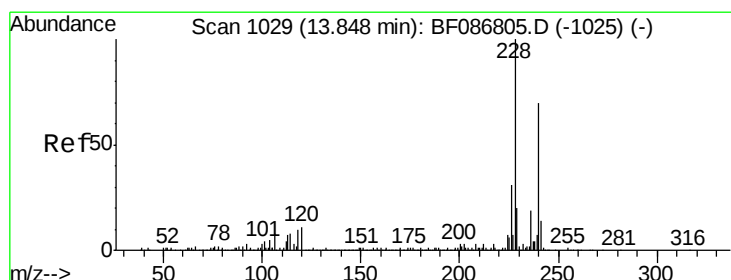
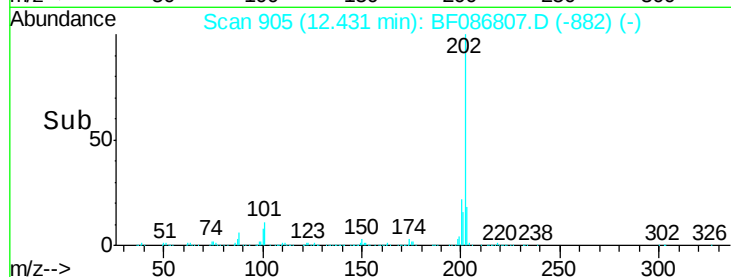
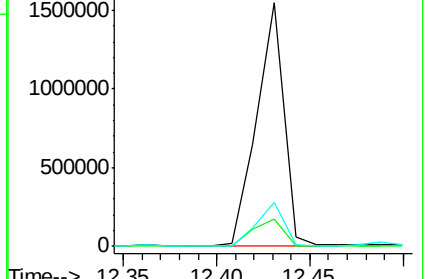
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

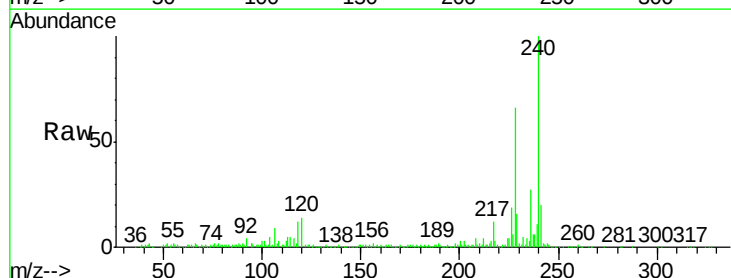
Tgt Ion:240 Resp: 325065

Ion Ratio Lower Upper

240 100

120 13.8 11.2 16.8

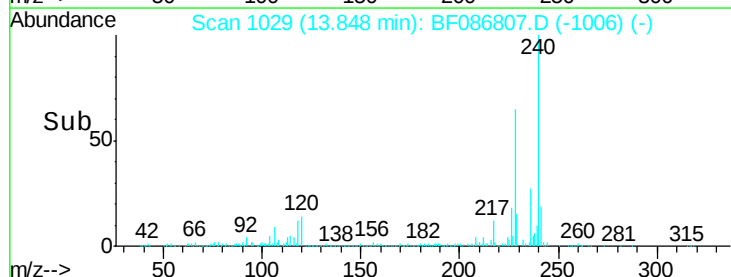
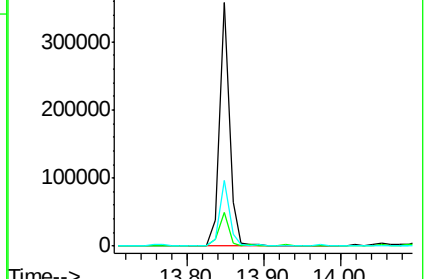
236 27.0 21.2 31.8

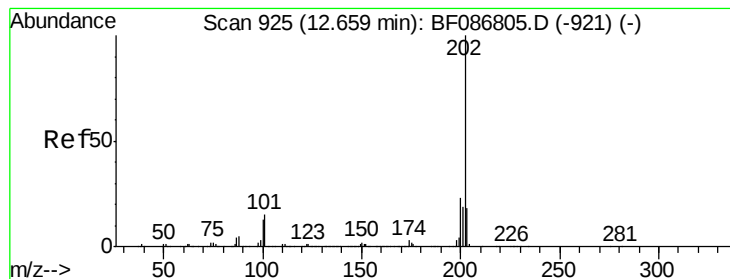


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 50.36 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.03 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

Instrument :

BNA_F

ClientSampled :

SS3

Tgt Ion:202 Resp: 1305220

Ion Ratio Lower Upper

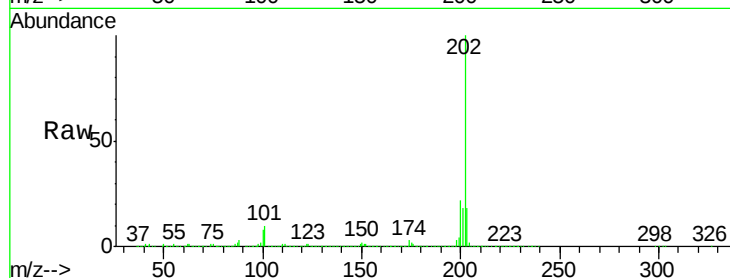
202 100

200 22.0 17.7 26.5

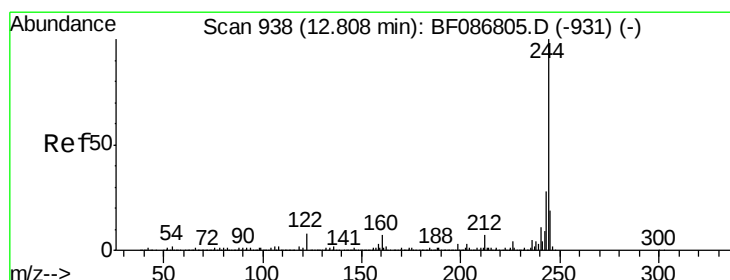
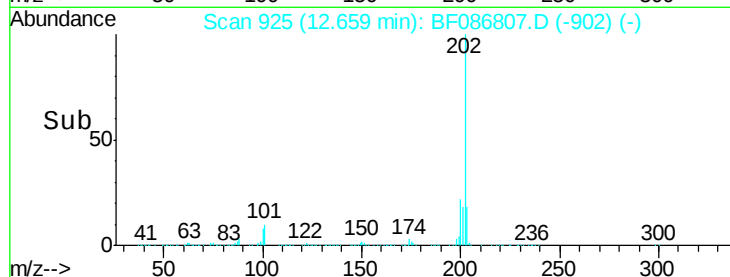
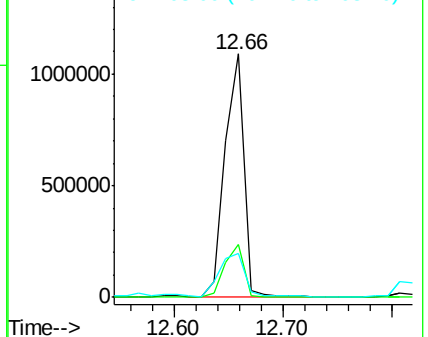
203 17.8 14.2 21.4

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Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 69.20 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086807.D

Acq: 8 May 2016 7:11

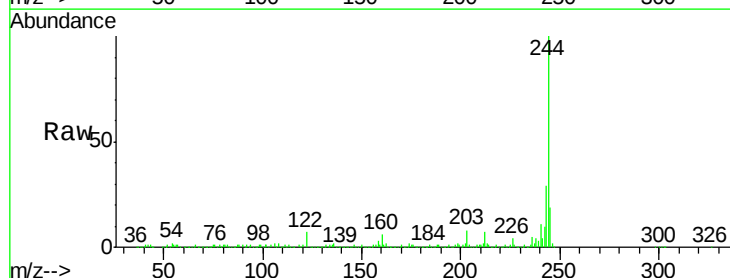
Tgt Ion:244 Resp: 1113017

Ion Ratio Lower Upper

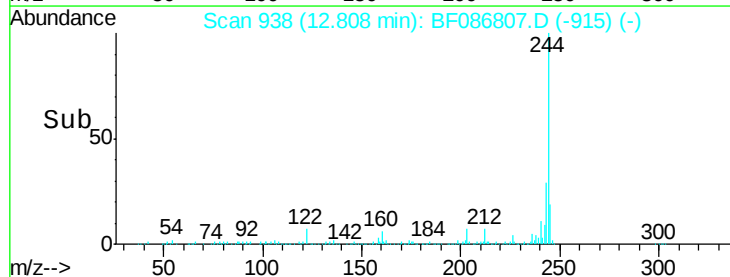
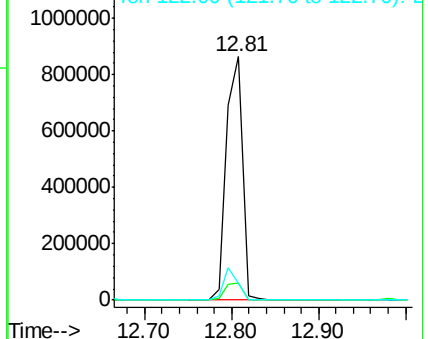
244 100

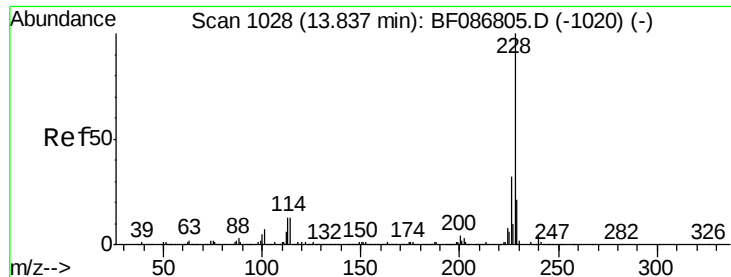
212 7.0 6.2 9.2

122 7.0 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E
1200000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





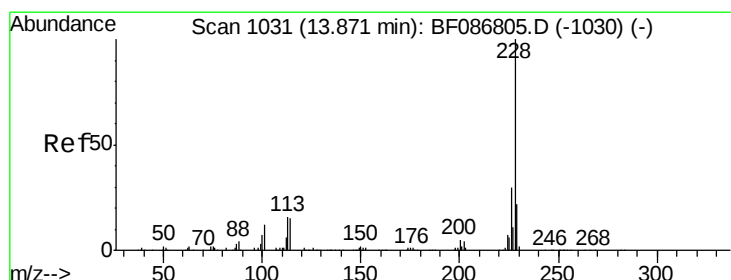
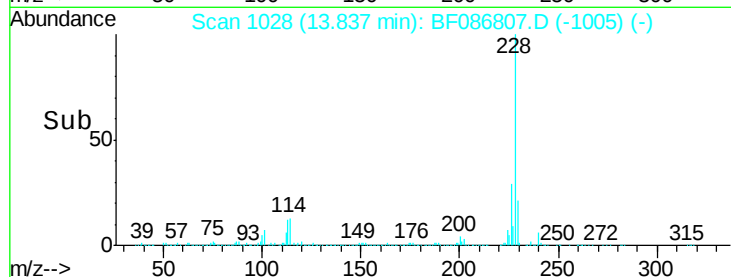
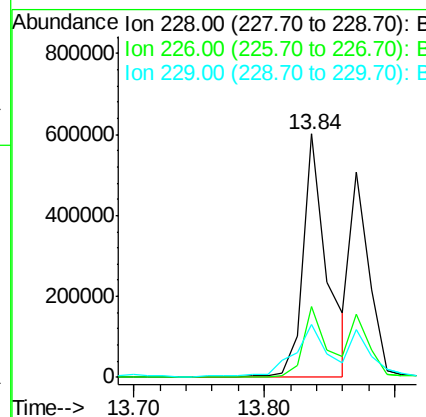
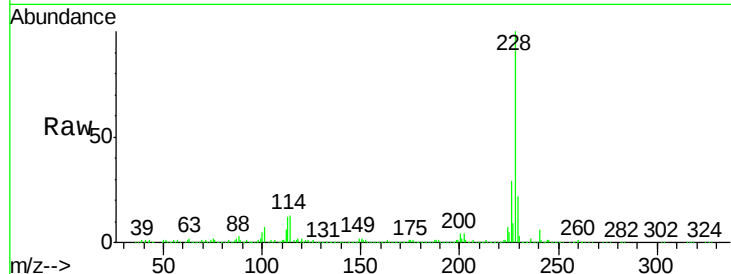
#80
Benzo(a)anthracene
Concen: 41.49 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	762820		
226	29.2		22.5	33.7
229	21.6		16.6	25.0

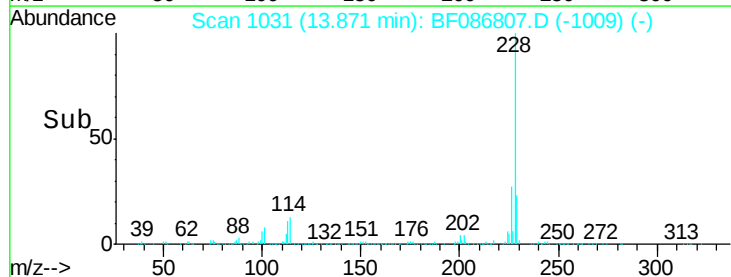
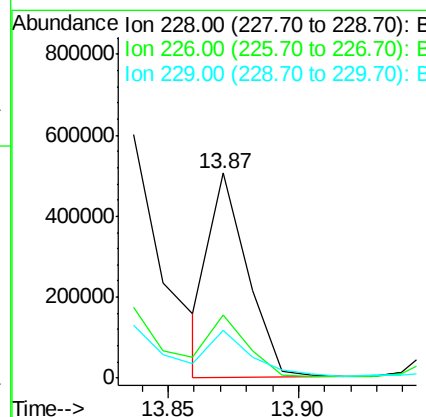
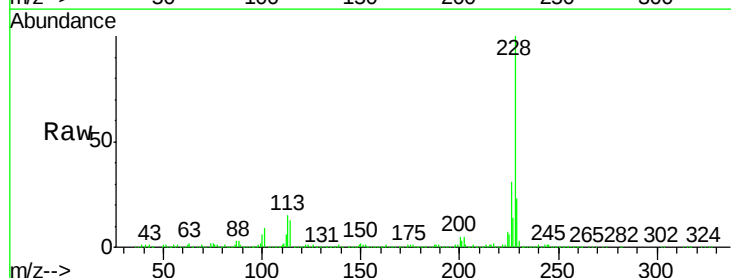
Manual Integrations
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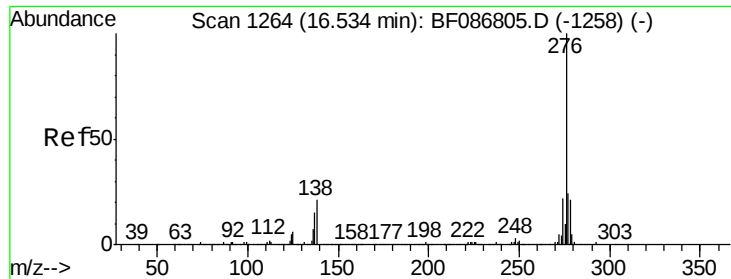
Sohil
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#82
Chrysene
Concen: 25.93 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	508648		
226	30.8		24.4	36.6
229	23.1		15.8	23.8





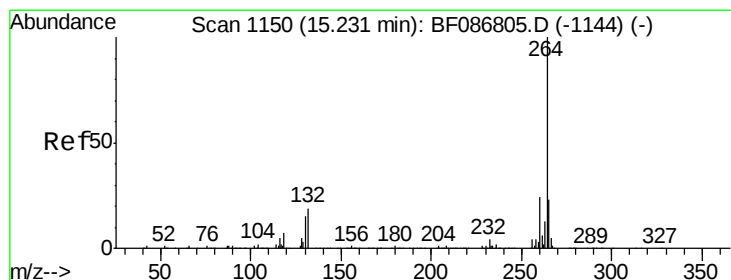
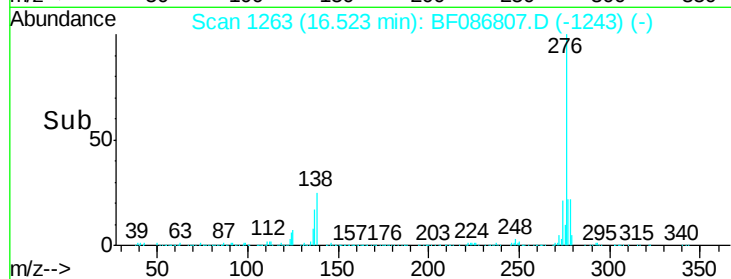
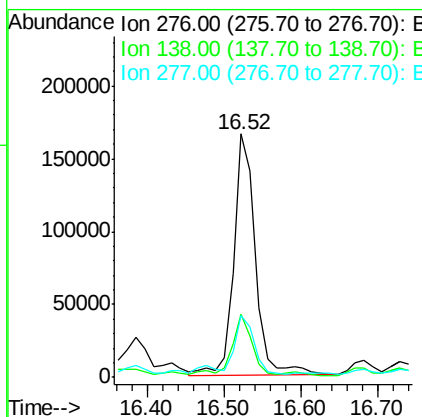
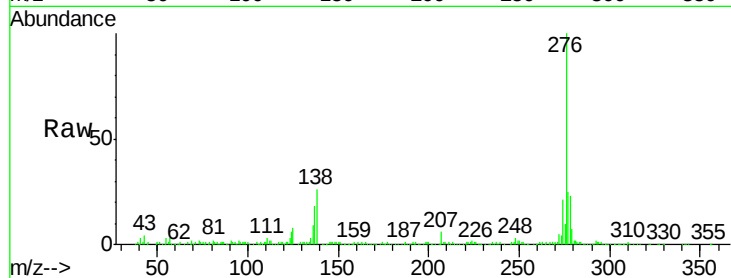
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.50 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 SS3

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	328206		
138	24.0	25.6	38.4#	
277	27.4	20.5	30.7	

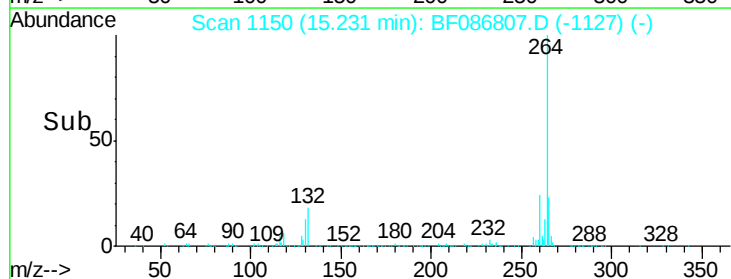
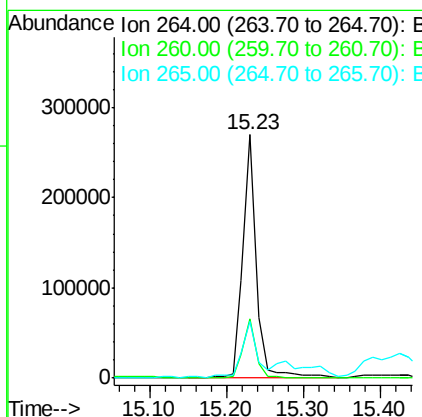
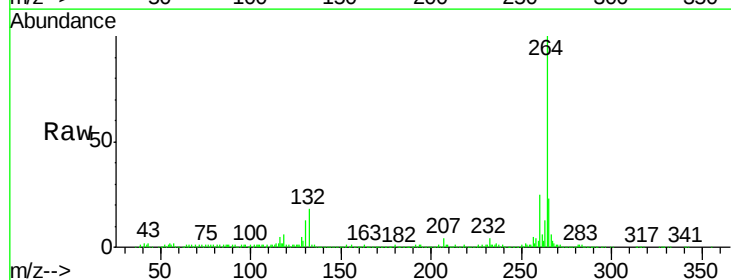
Manual Integrations
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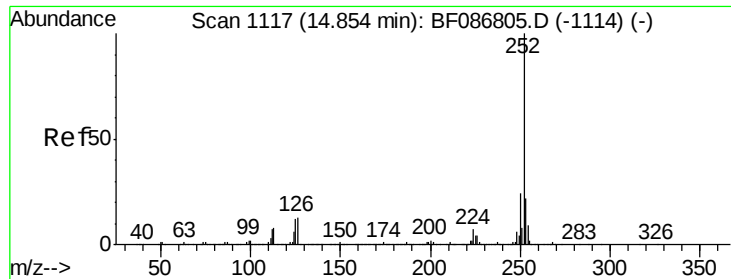
Sohil
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	331024		
260	24.5	19.5	29.3	
265	23.4	17.3	25.9	





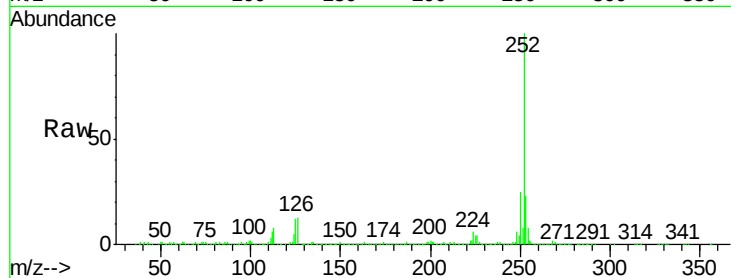
#87
Benzo(b)fluoranthene
Concen: 43.65 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampled :
SS3

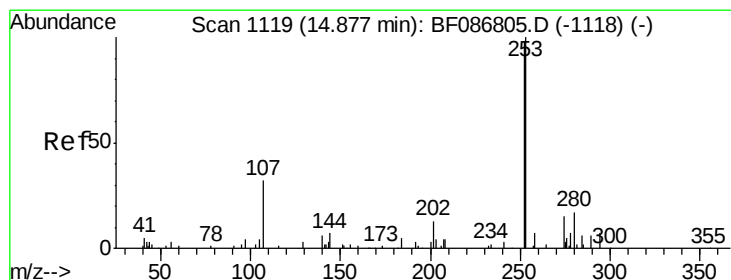
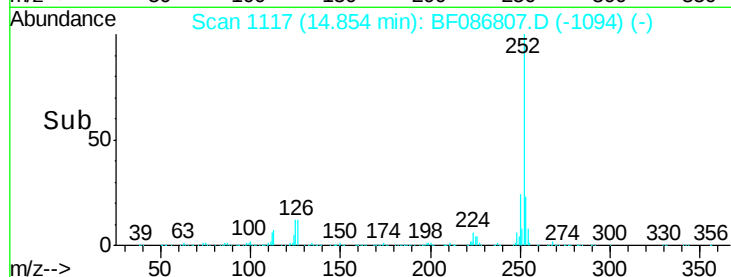
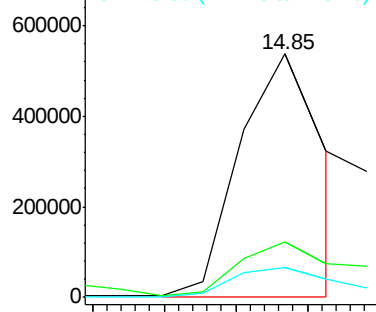
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.1	11.4	17.0

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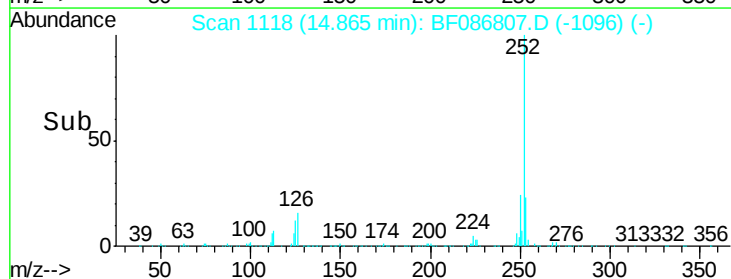
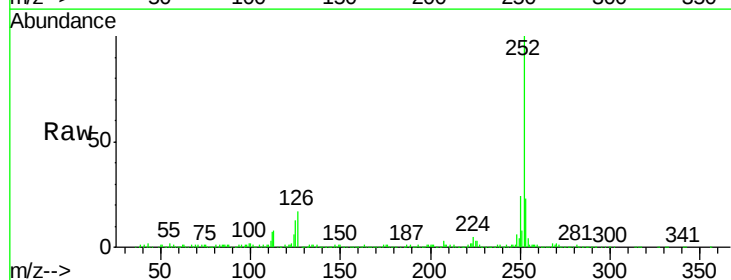
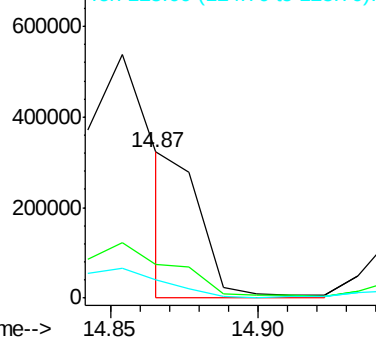
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

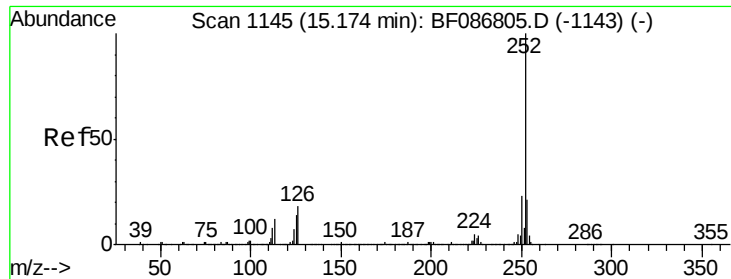


#88
Benzo(k)fluoranthene
Concen: 11.92 ng m
RT: 14.87 min Scan# 1118
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.7	9.1	13.7

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





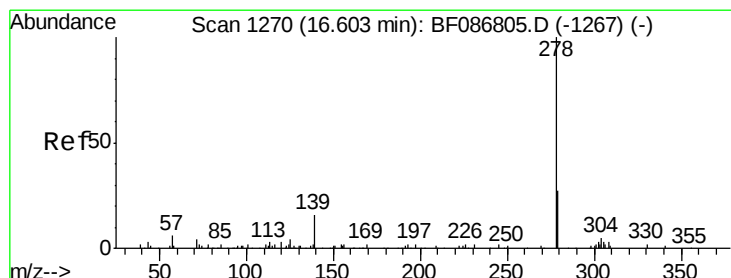
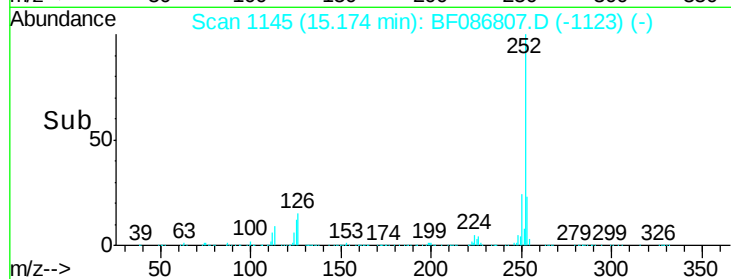
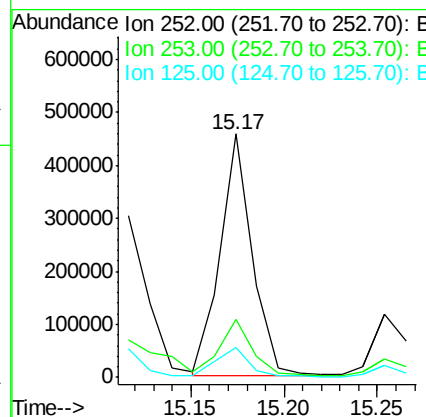
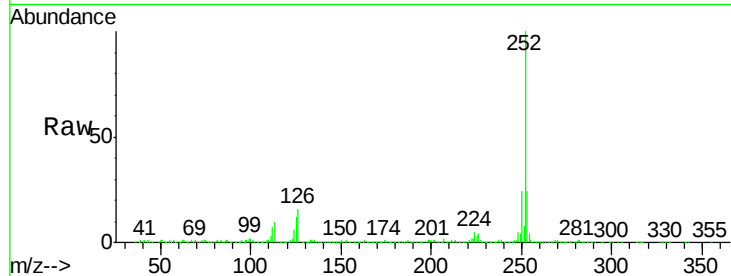
#89
Benzo(a)pyrene
Concen: 30.04 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Instrument :
BNA_F
ClientSampleId :
SS3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	12.5	9.0	13.6

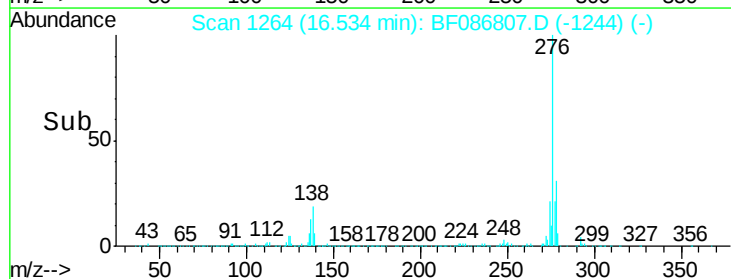
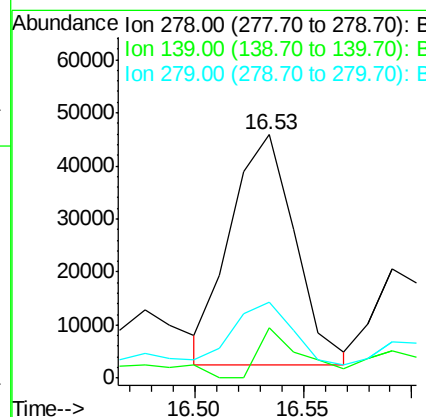
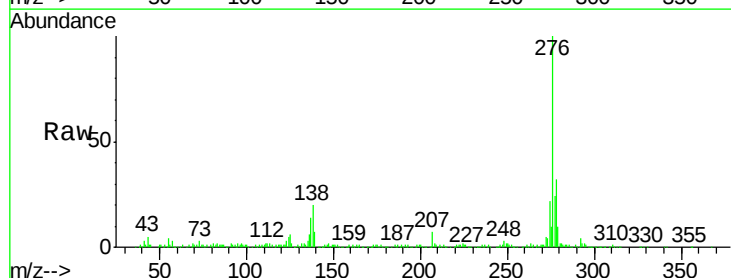
Manual Integrations
APPROVED

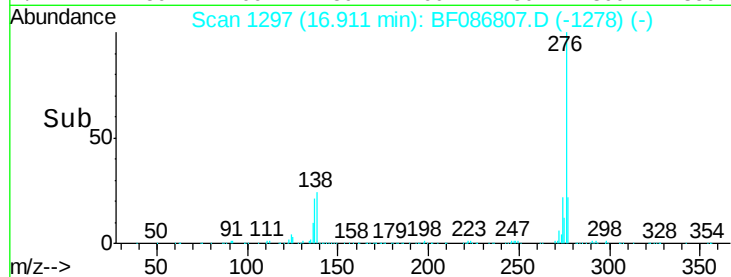
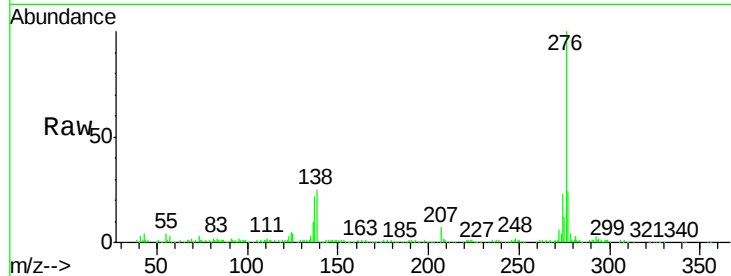
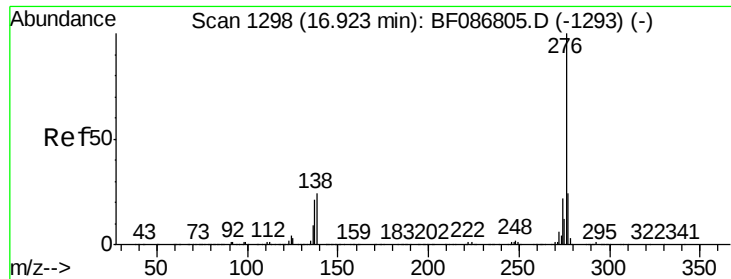
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.13 ng m
RT: 16.53 min Scan# 1264
Delta R.T. -0.07 min
Lab File: BF086807.D
Acq: 8 May 2016 7:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	16.6	24.8
279	31.3	19.6	29.4





#91
 Benzo(g,h,i)perylene
 Concen: 14.60 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.08 min
 Lab File: BF086807.D
 Acq: 8 May 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 SS3

Tgt Ion:	276	Resp:	269719
Ion Ratio		Lower	Upper
276	100		
277	23.8	19.6	29.4
138	25.0	23.6	35.4

Manual Integrations
 APPROVED

Sohil
 5/9/2016 7:20:24 PM

