

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086187.D
 Acq On : 9 Apr 2016 00:09
 Operator : UM/SJ
 Sample : H2283-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B9-COMP

Manual Integrations
 APPROVED

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 4/11/2016 5:45:22 PM

Quant Time: Apr 11 15:58:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	119407	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	447417	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	189977	20.00	ng	-0.06
63) Phenanthrene-d10	11.24	188	323121	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	224850	20.00	ng	-0.05
86) Perylene-d12	15.28	264	199846	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	984549	140.94	ng	-0.03
7) Phenol-d6	6.38	99	1229159	138.53	ng	-0.03
23) Nitrobenzene-d5	7.30	82	718235	94.67	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	252212	141.45	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1215558	106.39	ng	-0.05
78) Terphenyl-d14	12.83	244	878181	91.81	ng	-0.05
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.73	142	31639	2.15	ng	100
49) Dimethylphthalate	9.48	163	231436	16.44	ng	99
51) Acenaphthene	9.79	154	29075	2.57	ng	98
70) Phenanthrene	11.26	178	514217	29.17	ng	99
71) Anthracene	11.32	178	125645	6.80	ng	97
74) Fluoranthene	12.45	202	705181	38.46	ng	99
77) Pyrene	12.68	202	786740	49.65	ng	98
80) Benzo(a)anthracene	13.87	228	403382	30.43	ng	98
82) Chrysene	13.91	228	300638	23.55	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	137156	13.24	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	413979m	32.93	ng	
88) Benzo(k)fluoranthene	14.91	252	60189m	5.41	ng	
89) Benzo(a)pyrene	15.23	252	276483	24.82	ng	# 96
90) Dibenzo(a,h)anthracene	16.63	278	36444m	4.07	ng	
91) Benzo(a,h,i)perylene	17.03	276	136074	15.69	ng	94

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



#1

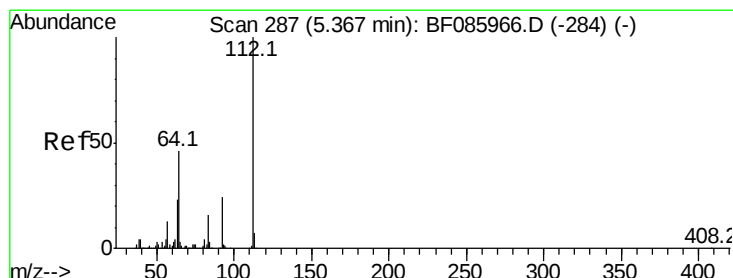
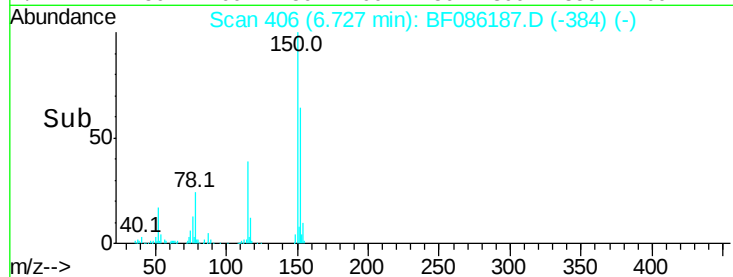
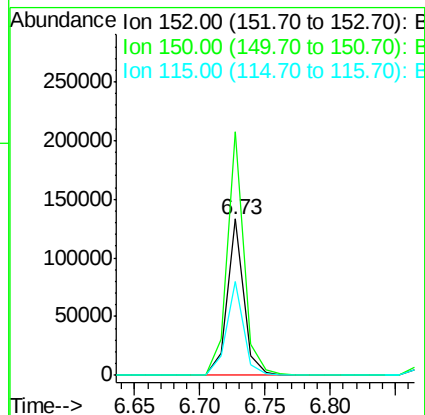
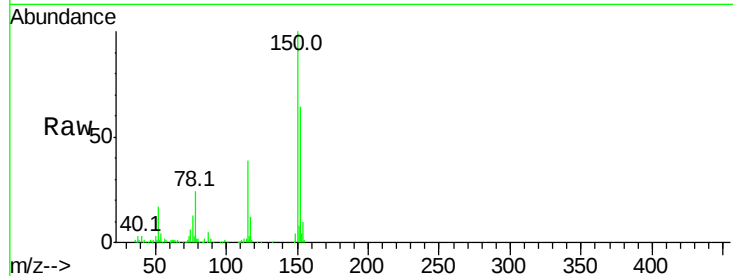
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.05 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.2	186.2
115	60.3	47.0	70.6

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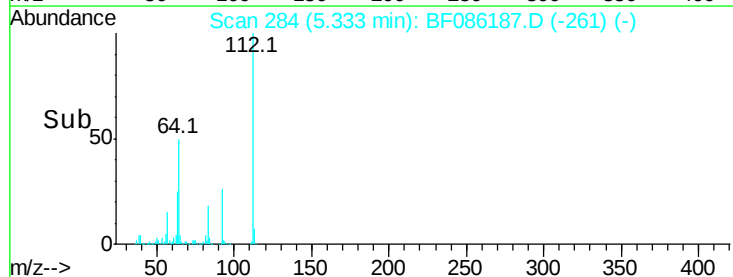
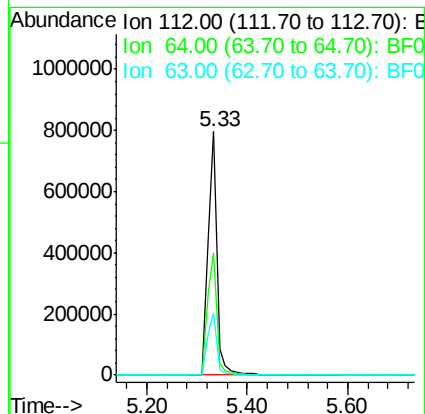
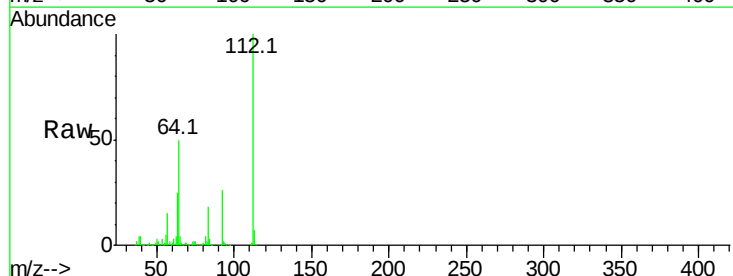
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#5

2-Fluorophenol
Concen: 140.94 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.03 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	39.9	59.9
63	25.4	20.2	30.2





#7

Phenol-d6

Concen: 138.53 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Instrument :

BNA_F

ClientSampleId :

B9-COMP

Tot Ion: 99 Resp: 1229159

Ion Ratio Lower Upper

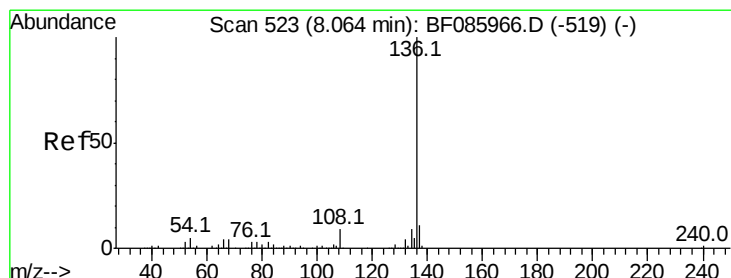
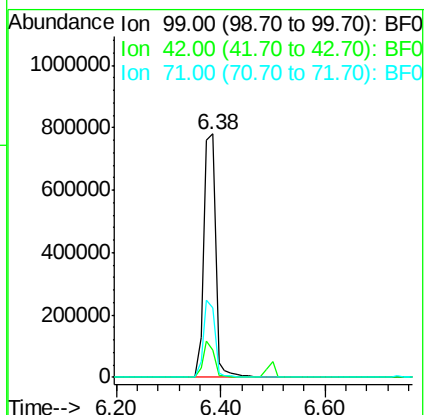
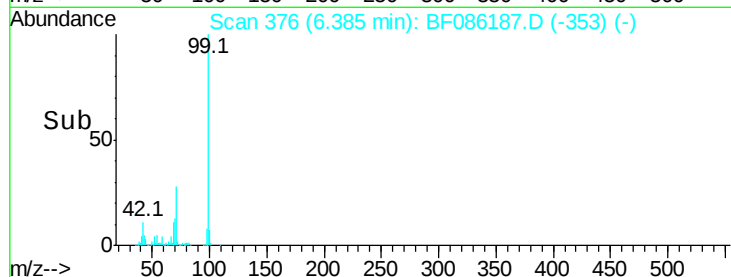
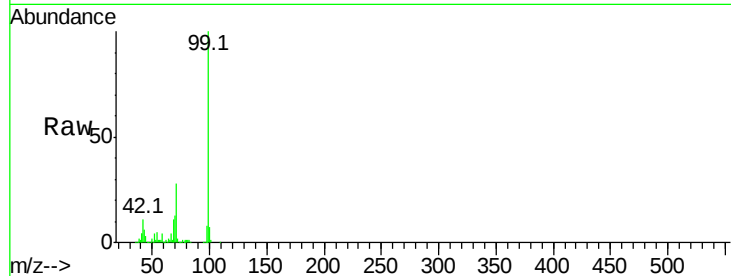
99 100

42 11.2 11.1 16.7

71 28.4 24.9 37.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Tgt Ion: 136 Resp: 447417

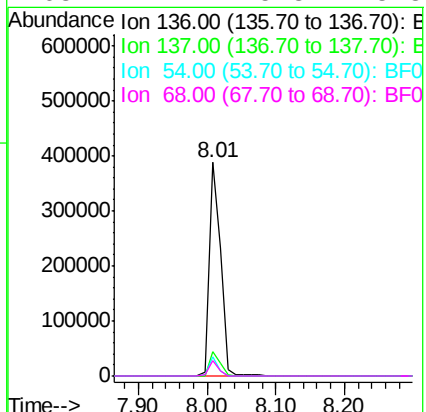
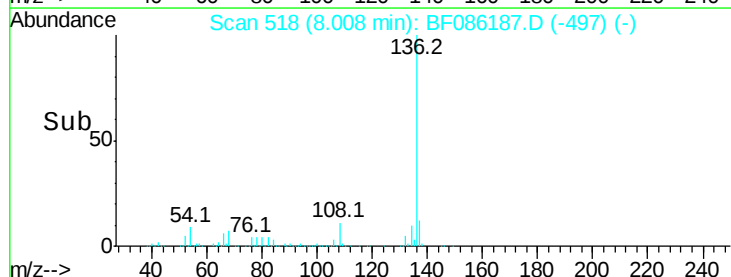
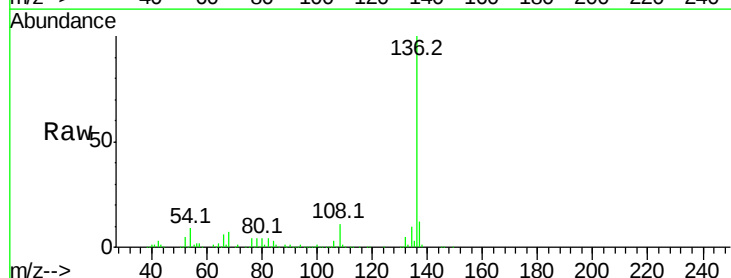
Ion Ratio Lower Upper

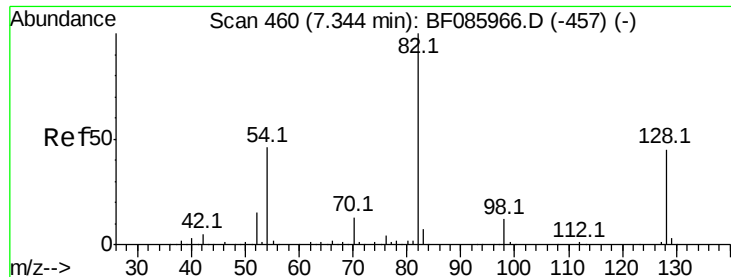
136 100

137 11.5 9.1 13.7

54 9.1 7.4 11.0

68 7.2 5.8 8.8





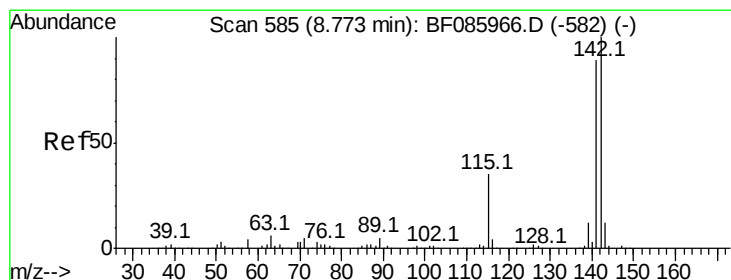
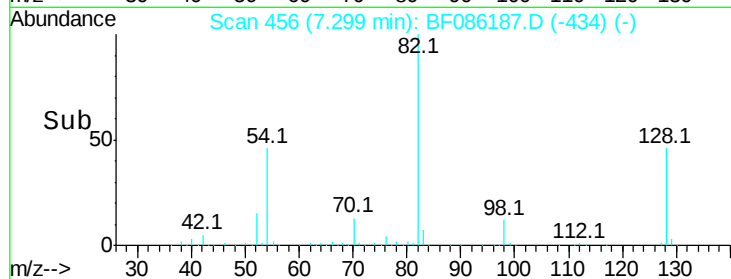
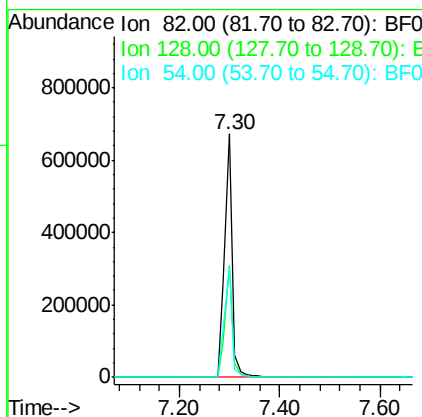
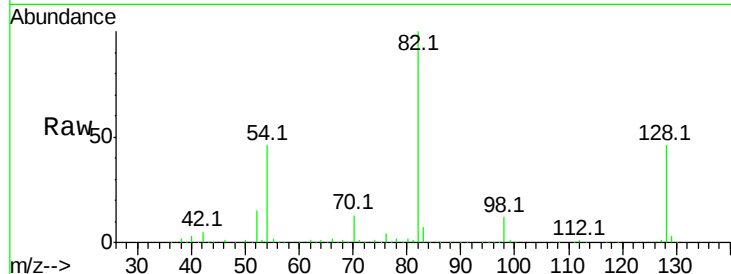
#23
 Nitrobenzene-d5
 Concen: 94.67 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086187.D
 Acq: 9 Apr 2016 00:09

Instrument :
 BNA_F
 ClientSampleId :
 B9-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	718235		
128	46.1		41.8	62.8
54	45.6		33.4	50.0

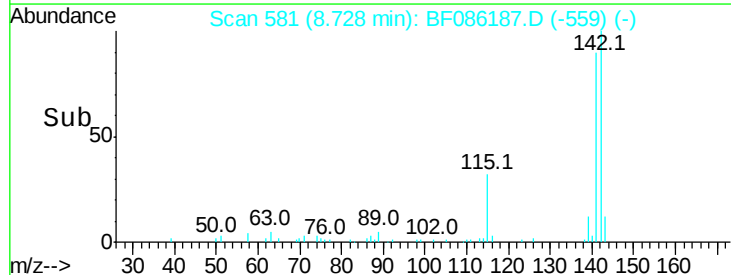
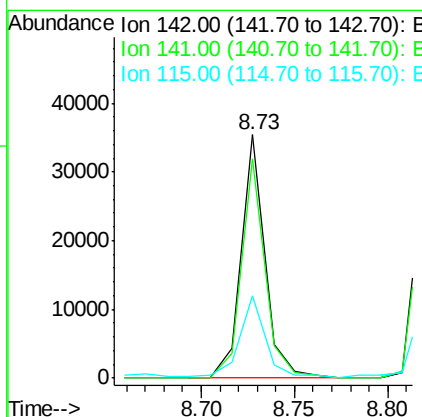
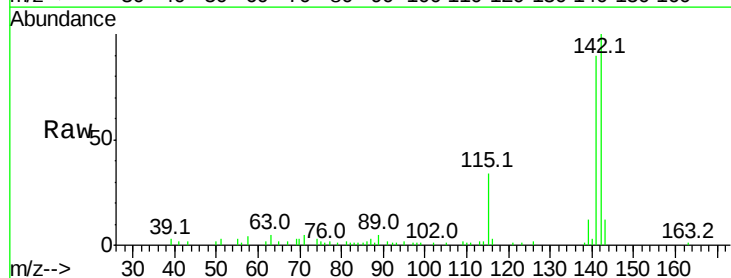
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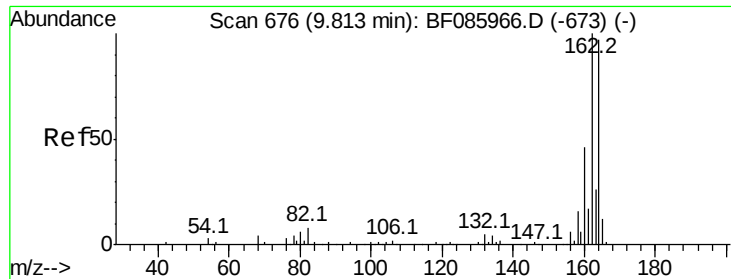
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#37
 2-Methylnaphthalene
 Concen: 2.15 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.05 min
 Lab File: BF086187.D
 Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	31639		
141	89.9		71.6	107.4
115	33.6		26.8	40.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.06 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Instrument :

BNA_F

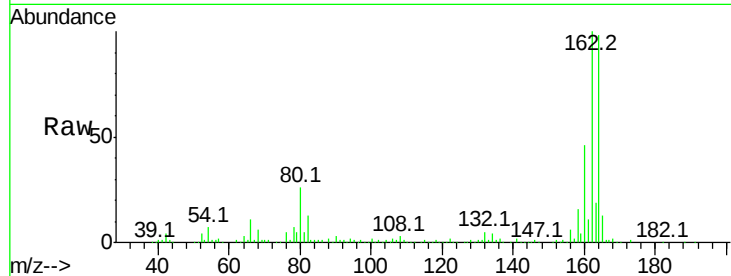
ClientSampleId :

B9-COMP

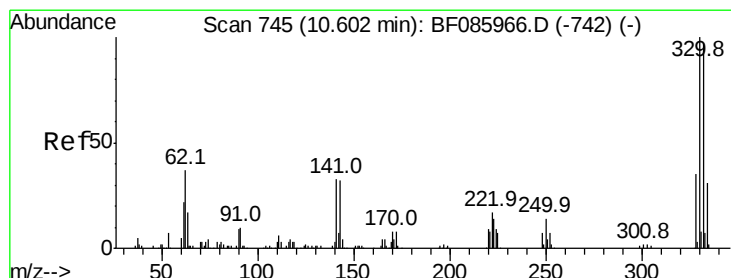
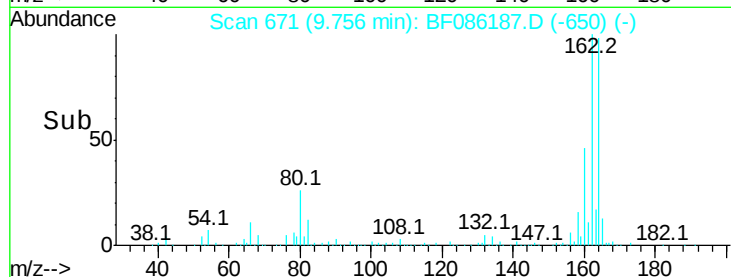
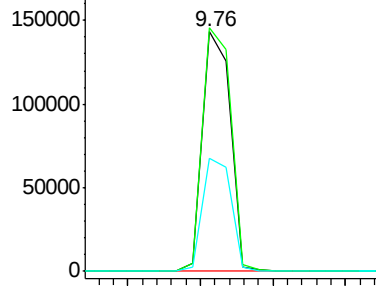
Tot Ion:	164	Resp:	189977
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.1	123.1
160	47.1	37.4	56.2

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



#41

2,4,6-Tribromophenol

Concen: 141.45 ng

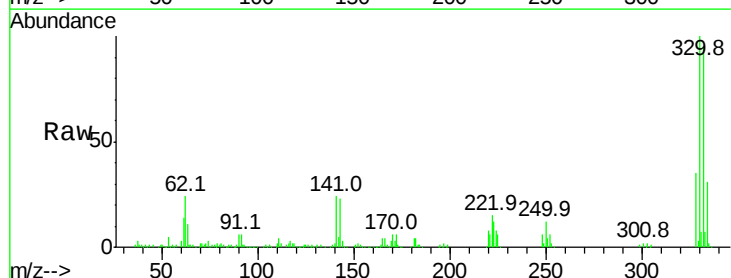
RT: 10.56 min Scan# 741

Delta R.T. -0.05 min

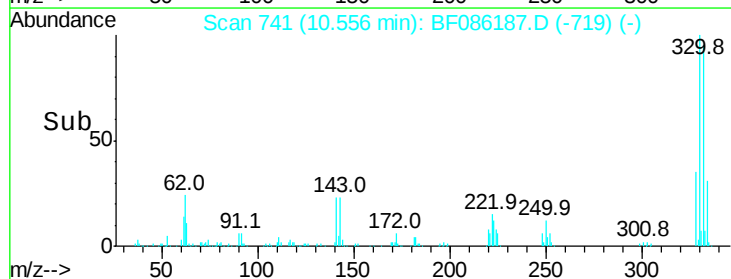
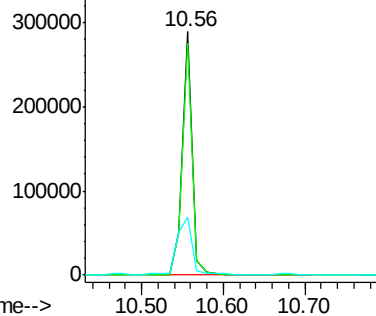
Lab File: BF086187.D

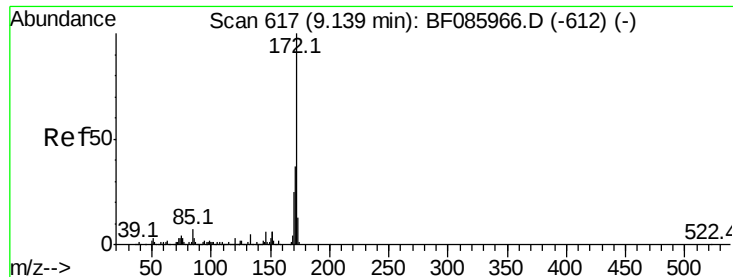
Acq: 9 Apr 2016 00:09

Tgt Ion:	330	Resp:	252212
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.2	117.2
141	34.9	31.5	47.3



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: 106.39 ng

RT: 9.09 min Scan# 613

Delta R.T. -0.05 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Instrument :

BNA_F

ClientSampleId :

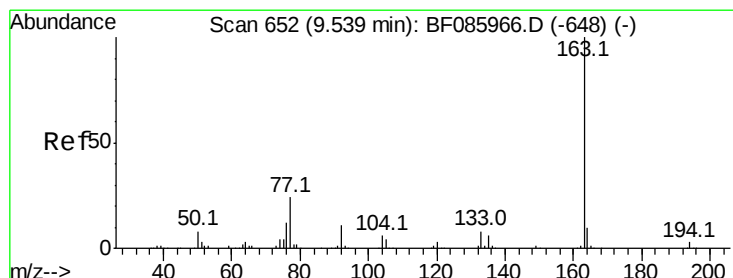
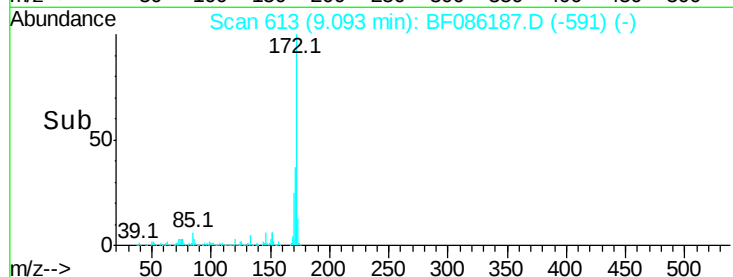
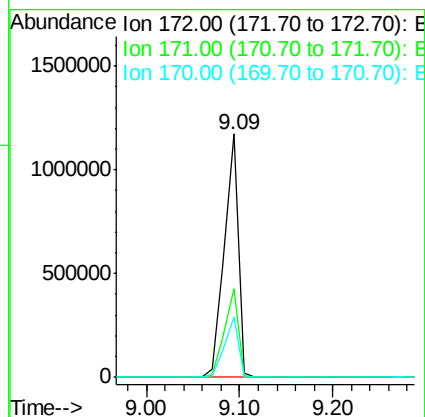
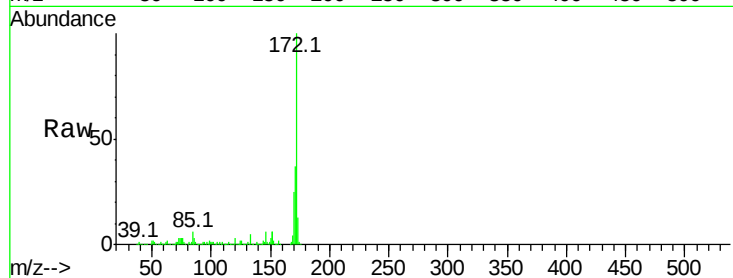
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Tot	Ion:172	Resp:	1215558
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.2
170	24.7	19.8	29.6



#49

Dimethylphthalate

Concen: 16.44 ng

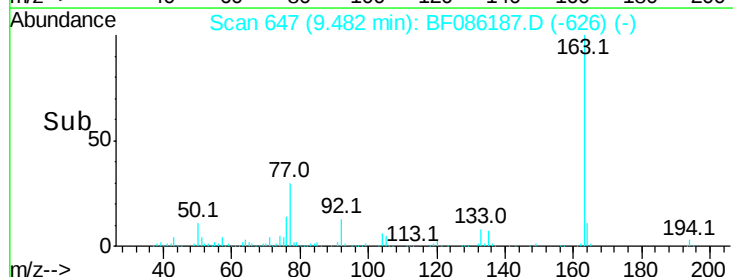
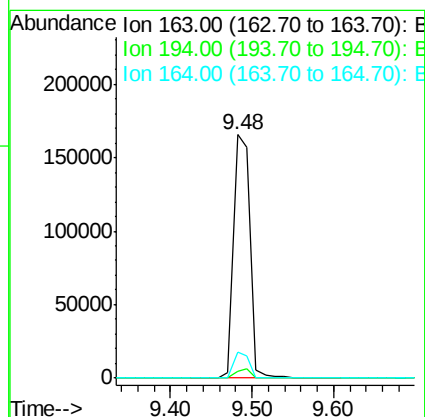
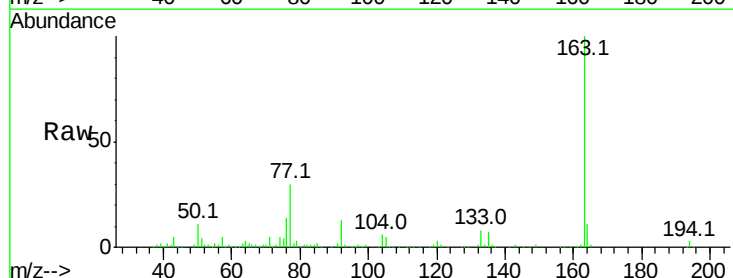
RT: 9.48 min Scan# 647

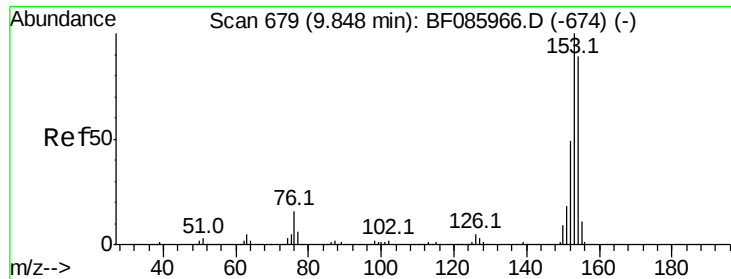
Delta R.T. -0.06 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Tgt Ion:163	Resp: 231436
Ion Ratio	Lower Upper
163 100	
194 3.1	2.9 4.3
164 10.9	8.3 12.5





#51

Acenaphthene

Concen: 2.57 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Instrument :

BNA_F

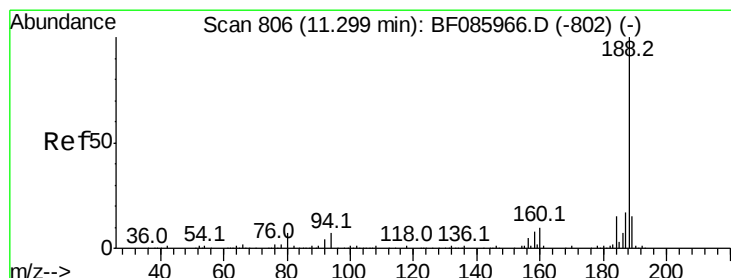
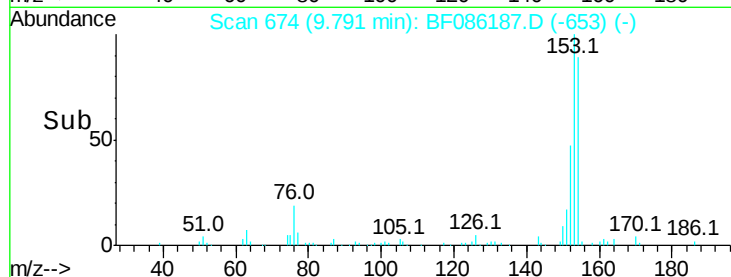
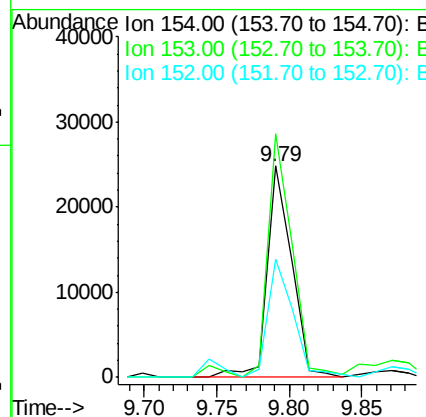
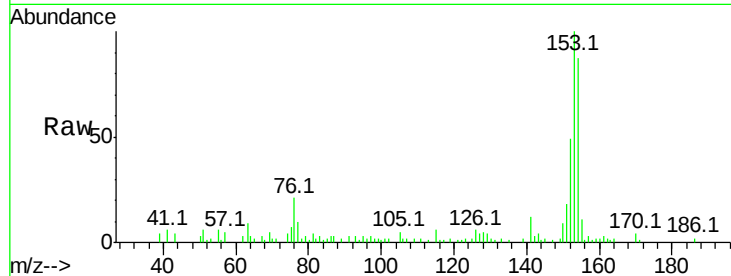
ClientSampleId :

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Tot Ion:	154	Resp:	29075
Ion Ratio	Lower	Upper	
154	100		
153	115.2	90.1	135.1
152	56.1	44.2	66.2



#63

Phenanthrene-d10

Concen: 20.00 ng

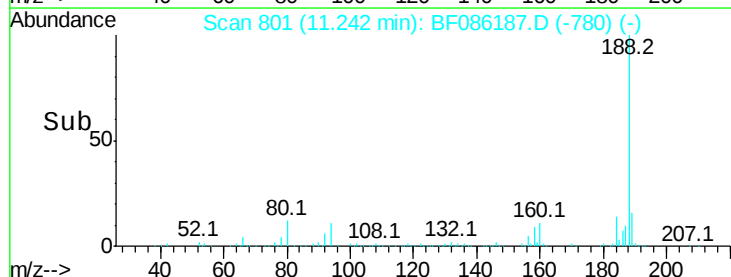
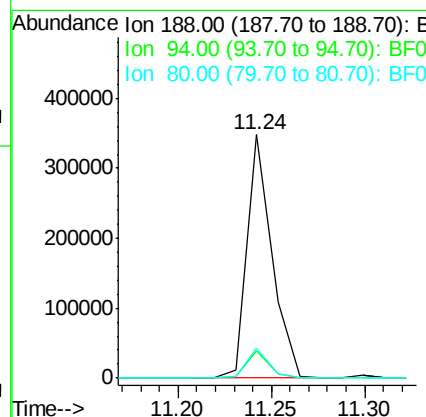
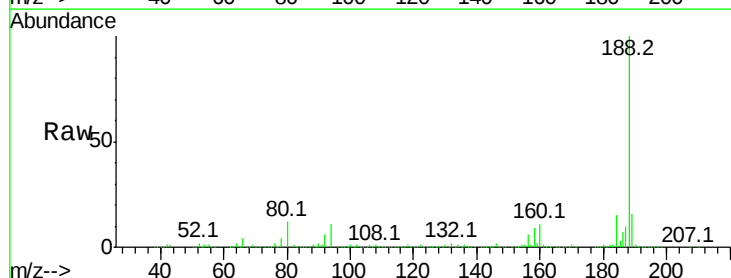
RT: 11.24 min Scan# 801

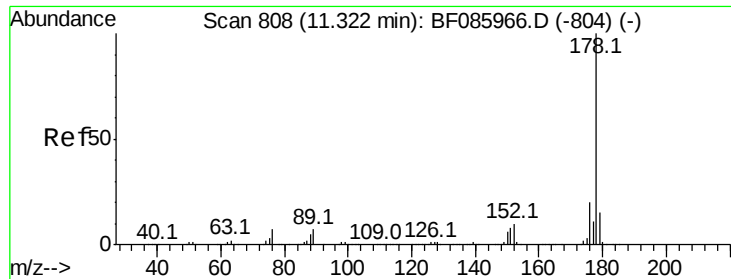
Delta R.T. -0.06 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Tgt Ion:	188	Resp:	323121
Ion Ratio	Lower	Upper	
188	100		
94	11.3	5.4	8.0#
80	12.4	5.5	8.3#





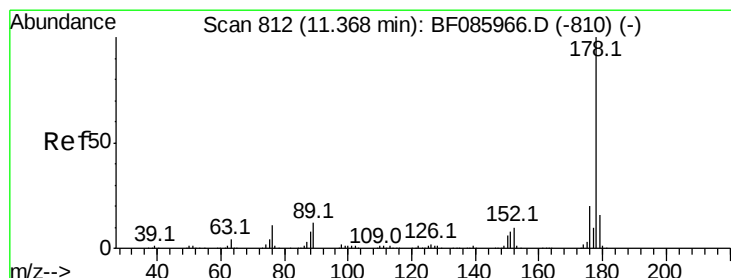
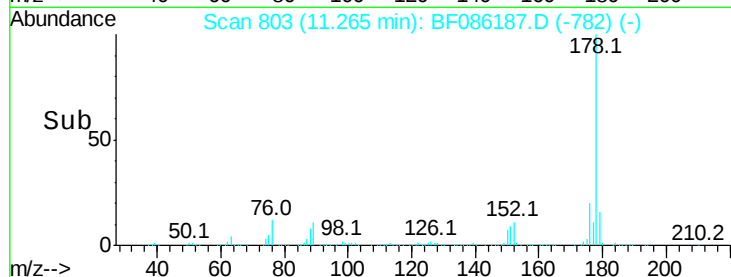
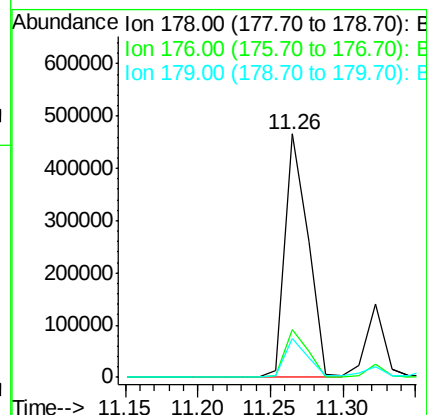
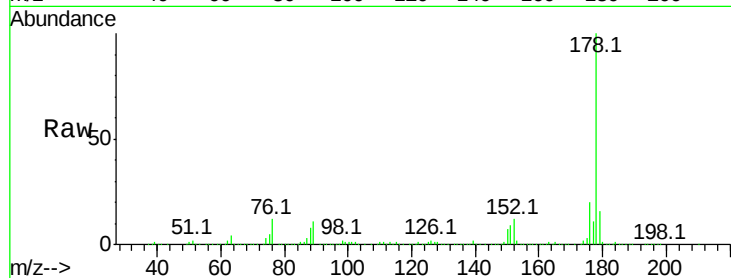
#70
Phenanthrene
Concen: 29.17 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.7	12.6	18.8

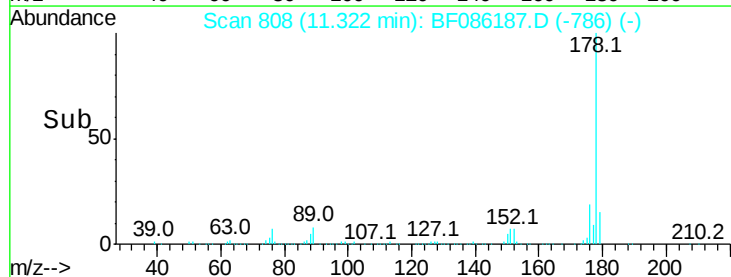
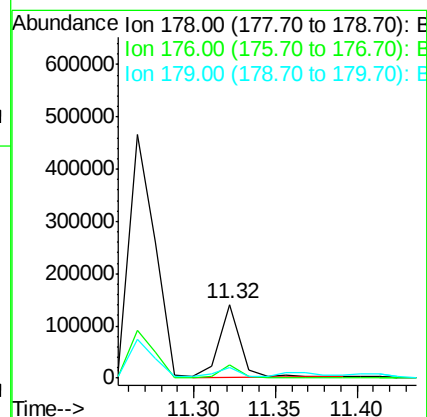
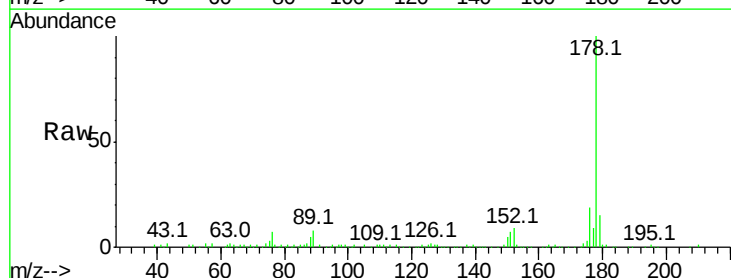
Manual Integrations
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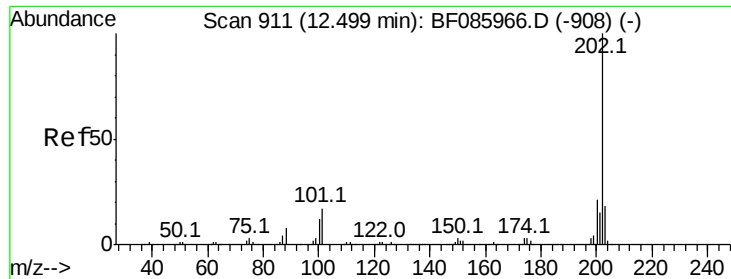
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#71
Anthracene
Concen: 6.80 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.05 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.1	13.0	19.4





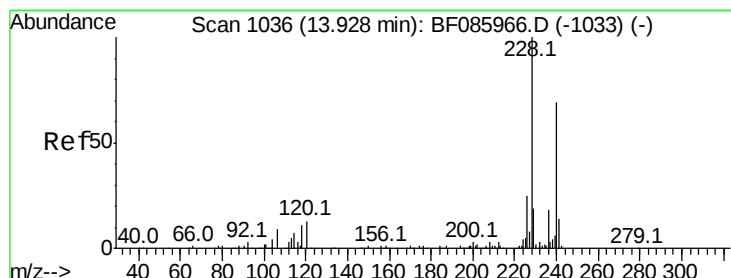
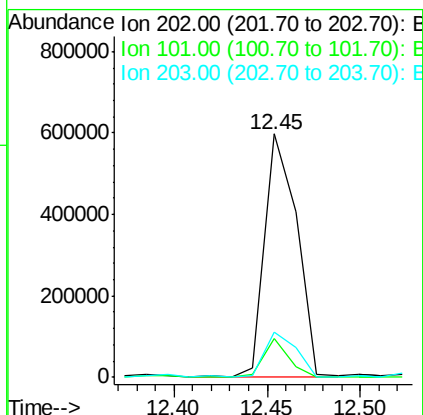
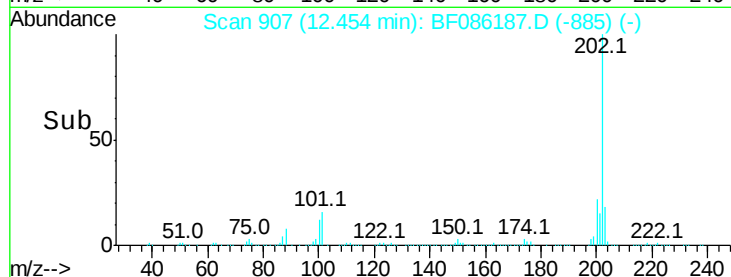
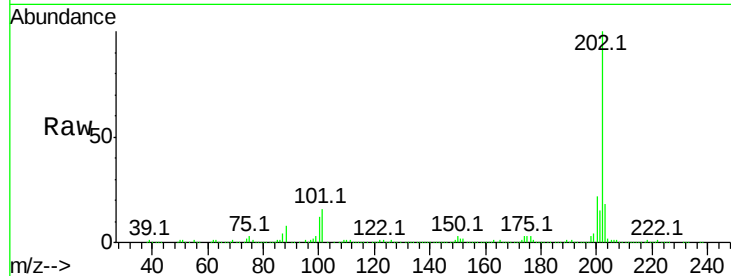
#74
 Fluoranthene
 Concen: 38.46 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF086187.D
 Acq: 9 Apr 2016 00:09

Instrument :
 BNA_F
 ClientSampleId :
 B9-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	16.2	0.0	36.6		
203	18.4	0.0	38.1		

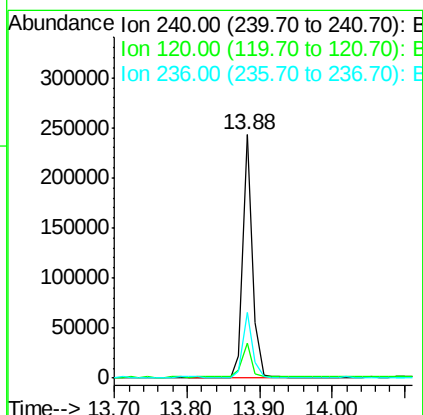
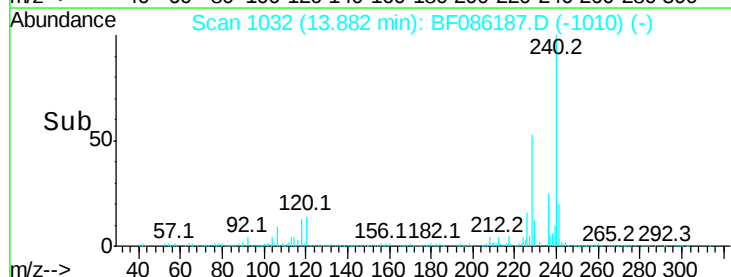
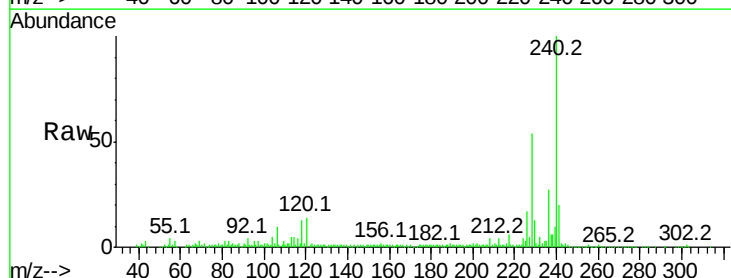
Manual Integrations
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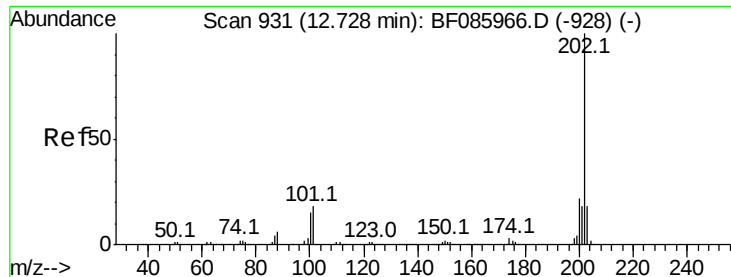
Sohil
 4/11/2016 5:45:22 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF086187.D
 Acq: 9 Apr 2016 00:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.5	13.8	20.8		
236	26.8	20.6	30.8		





#77

Pvrene

Concen: 49.65 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.05 min

Lab File: BF086187.D

Acq: 9 Apr 2016 00:09

Instrument :

BNA_F

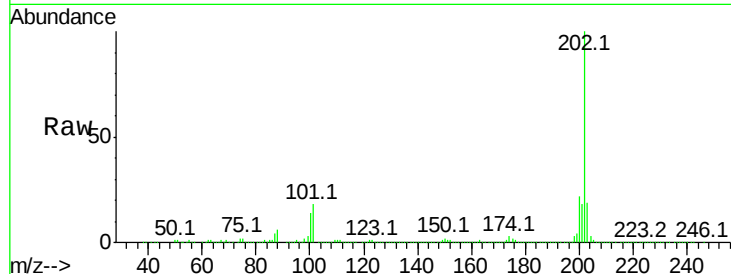
ClientSampleId :

B9-COMP

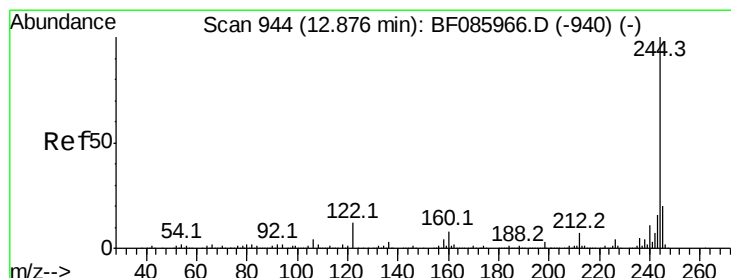
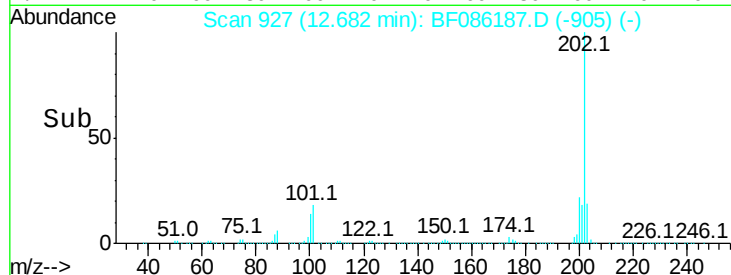
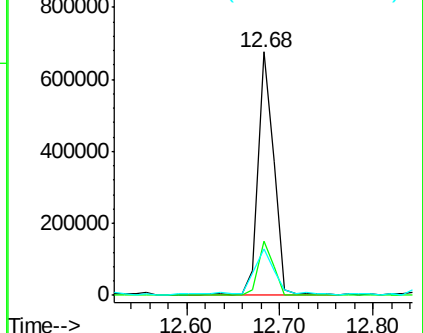
Tot Ion:	202	Resp:	786740
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.6	26.4
203	19.0	14.0	21.0

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



#78

Terphenyl-d14

Concen: 91.81 ng

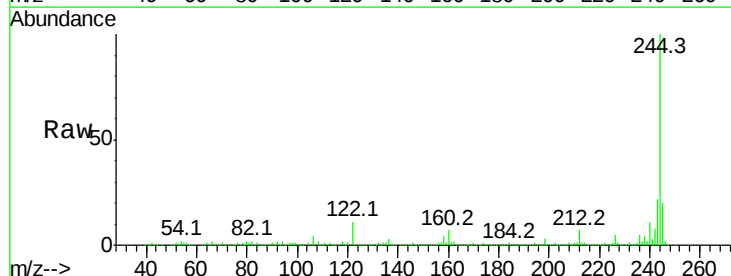
RT: 12.83 min Scan# 940

Delta R.T. -0.05 min

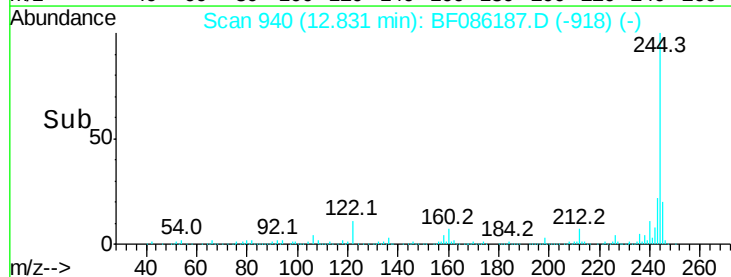
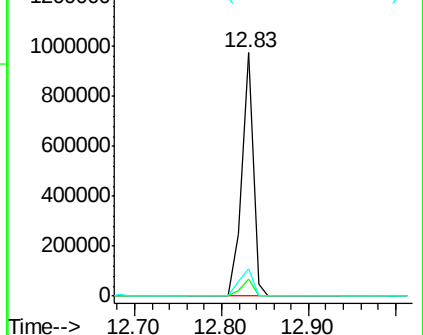
Lab File: BF086187.D

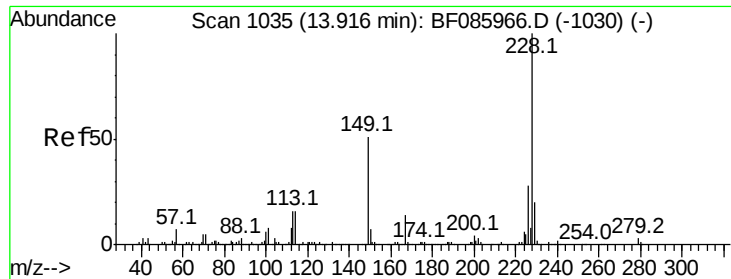
Acq: 9 Apr 2016 00:09

Tgt Ion:	244	Resp:	878181
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	11.4	10.2	15.4



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





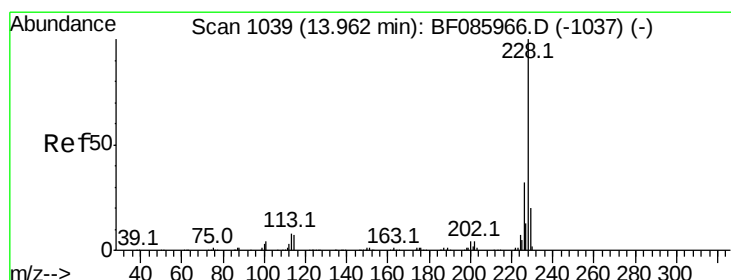
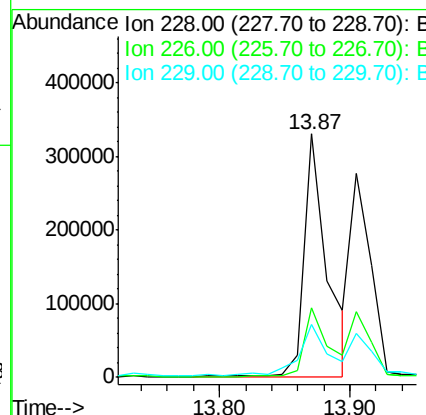
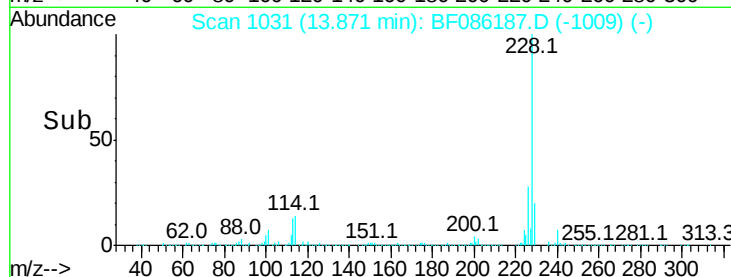
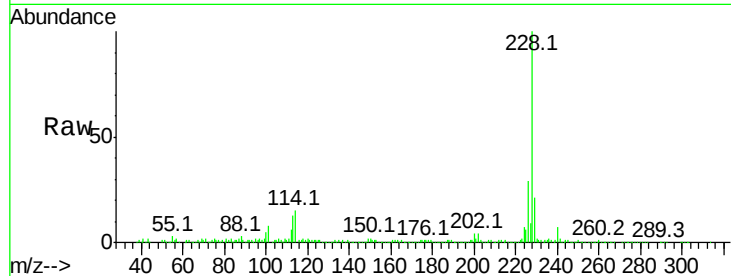
#80
Benzo(a)anthracene
Concen: 30.43 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	21.5	16.2	24.4

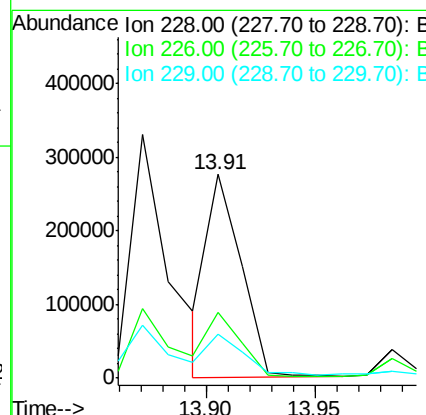
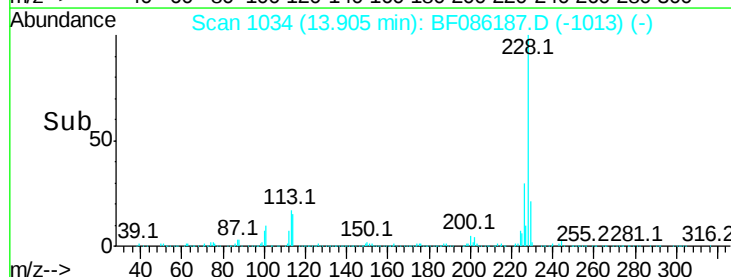
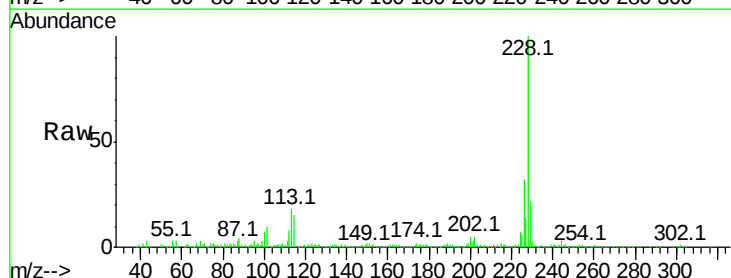
Manual Integrations
APPROVED

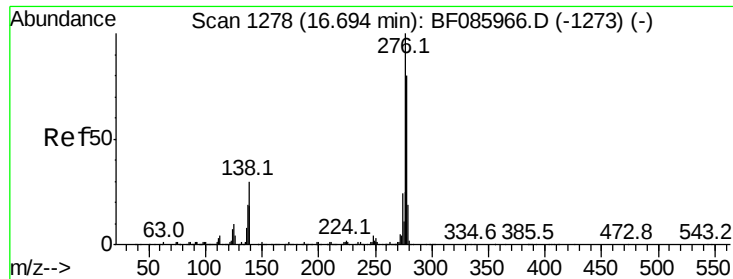
Sohil
4/11/2016 5:45:22 PM



#82
Chrysene
Concen: 23.55 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	21.8	15.7	23.5





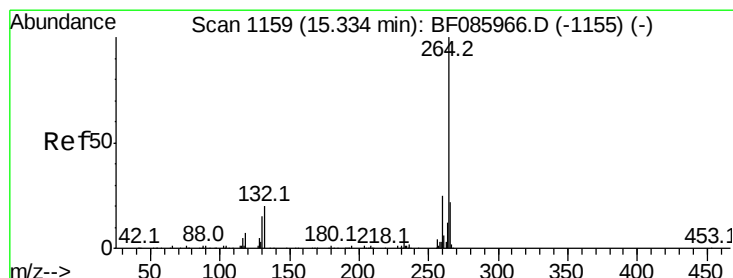
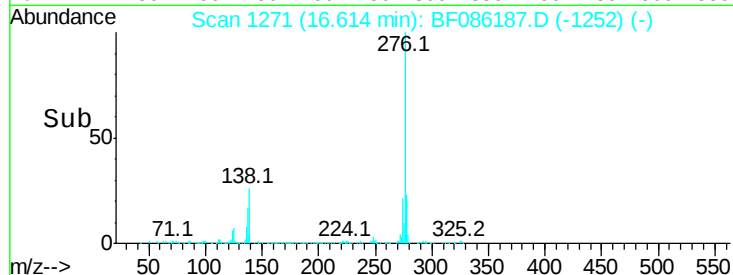
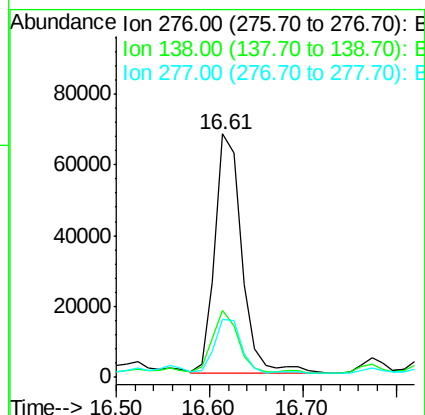
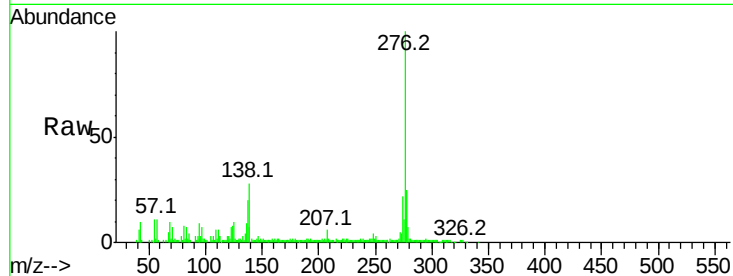
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.24 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.08 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Resp	Lower	Upper
276	100	137156		
138	23.3	24.2	36.4#	
277	21.3	20.0	30.0	

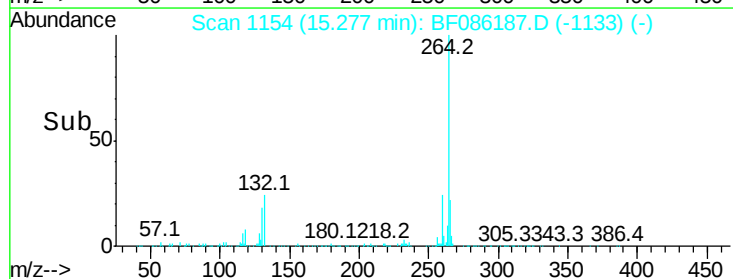
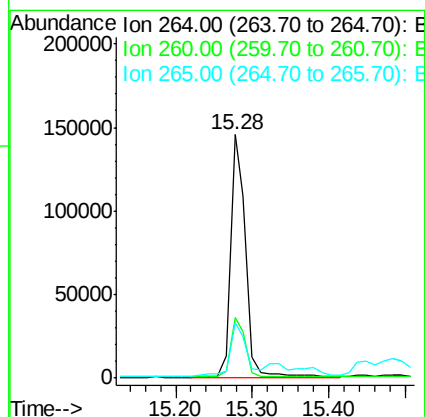
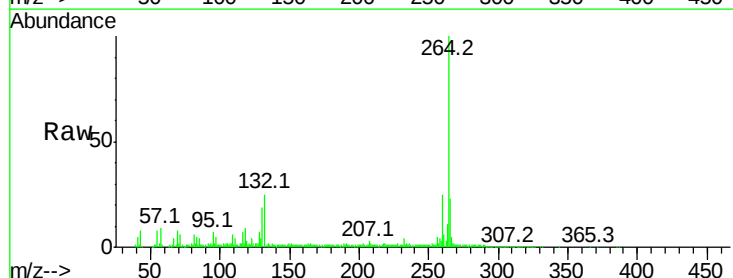
Manual Integrations
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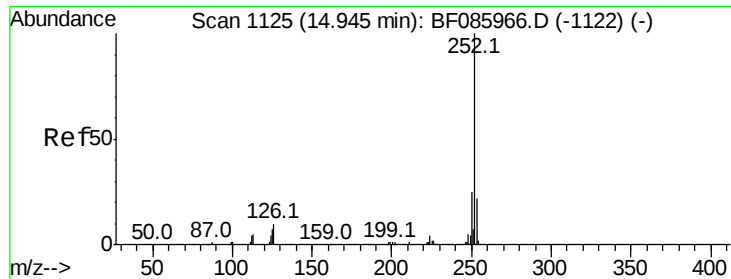
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	199846		
260	24.7	19.4	29.2	
265	22.9	17.2	25.8	





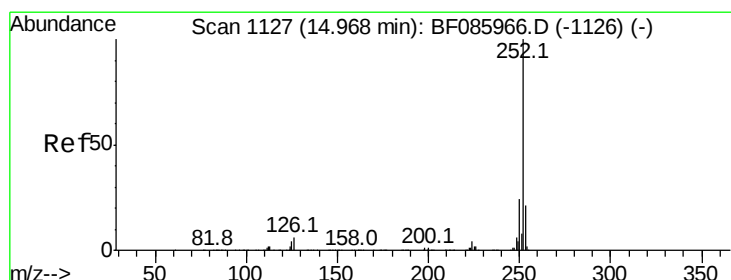
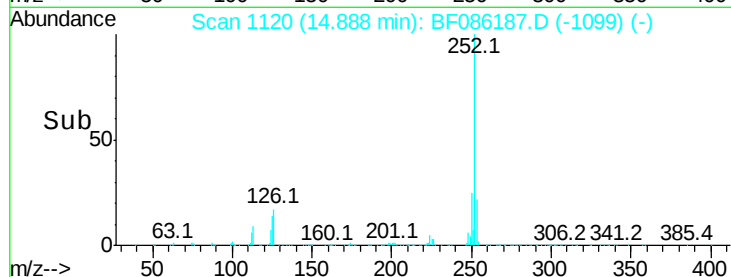
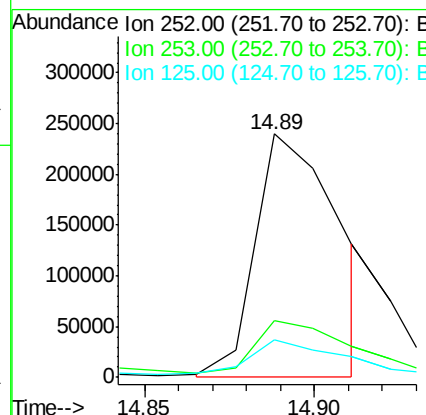
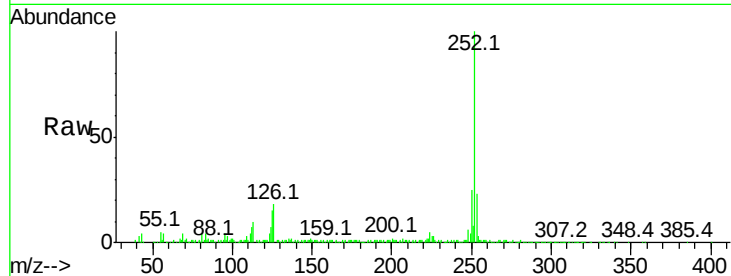
#87
Benzo(b)fluoranthene
Concen: 32.93 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.06 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	15.3	10.3	15.5

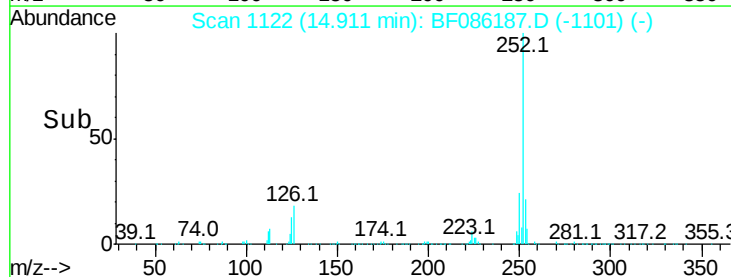
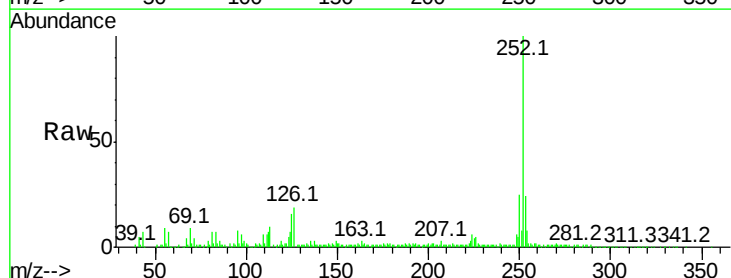
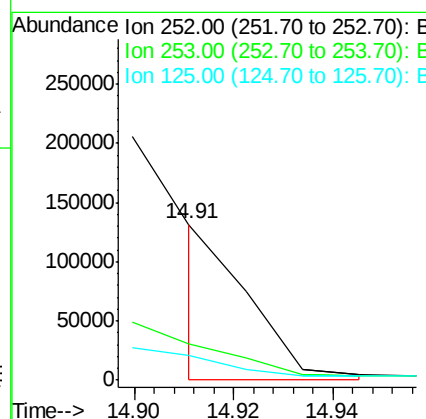
Manual Integrations
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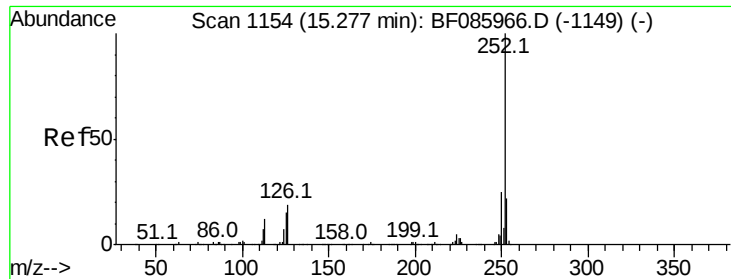
Sohil
4/11/2016 5:45:22 PM



#88
Benzo(k)fluoranthene
Concen: 5.41 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	15.5	7.7	11.5





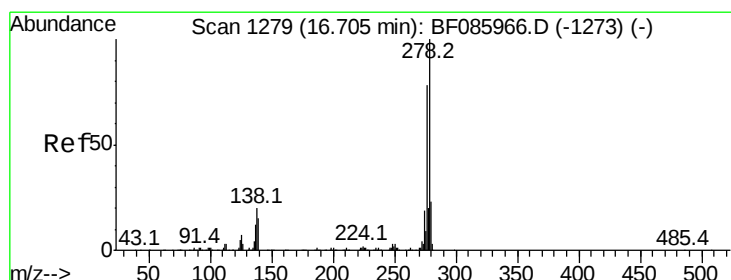
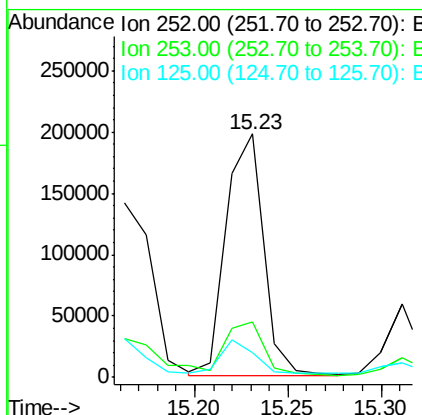
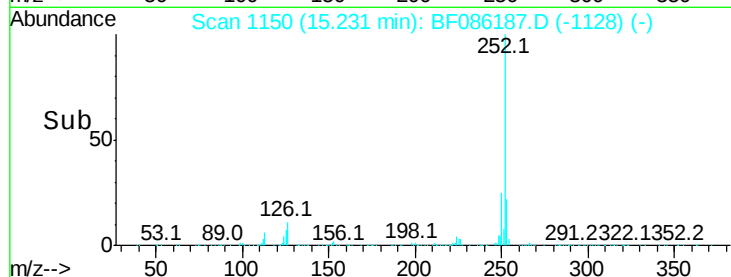
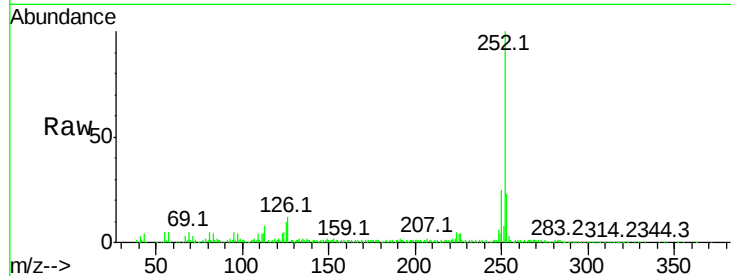
#89
Benzo(a)pyrene
Concen: 24.82 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.05 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Instrument :
BNA_F
ClientSampleId :
B9-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.0	10.3	15.5

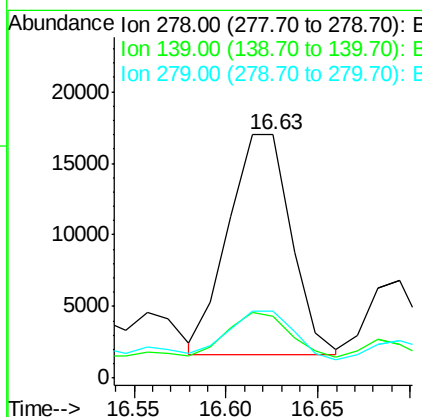
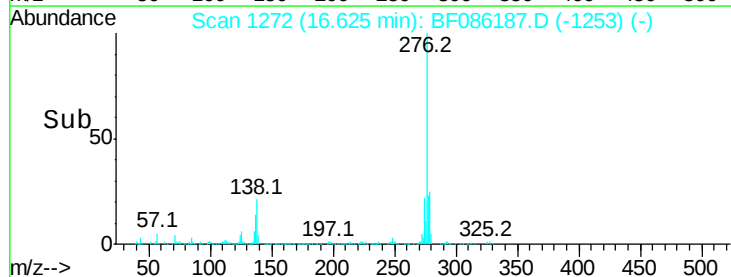
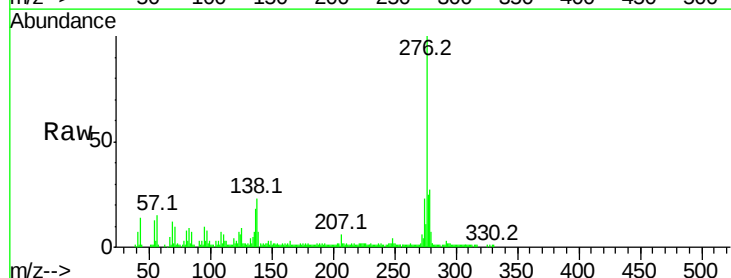
Manual Integrations
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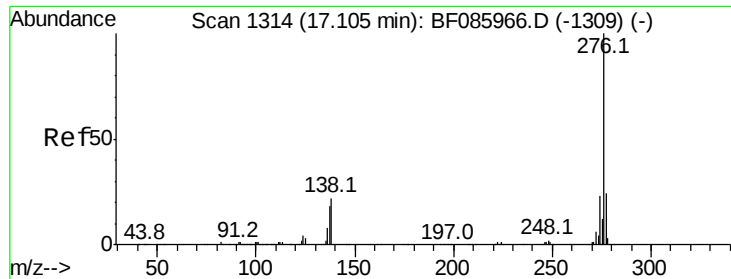
Sohil
4/11/2016 5:45:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.07 ng m
RT: 16.63 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF086187.D
Acq: 9 Apr 2016 00:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.2	14.4	21.6
279	27.8	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 15.69 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. -0.08 min
 Lab File: BF086187.D
 Acq: 9 Apr 2016 00:09

Instrument :
 BNA_F
 ClientSampleId :
 B9-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	24.0	22.6	34.0

Manual Integrations
 APPROVED

Sohil
 4/11/2016 5:45:22 PM

