

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
 Data File : BF077331.D
 Acq On : 17 Feb 2015 23:49
 Operator : TP/IZ
 Sample : G1299-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1

Manual Integrations
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Quant Time: Feb 18 10:33:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	58980	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	245863	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	119334	20.00	ng	-0.01
63) Phenanthrene-d10	12.98	188	235741	20.00	ng	0.00
75) Chrysene-d12	16.28	240	230705	20.00	ng	0.01
86) Perylene-d12	18.02	264	250463	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	304080	88.11	ng	0.00
7) Phenol-d6	6.92	99	421201	93.42	ng	0.00
23) Nitrobenzene-d5	8.06	82	223742	63.02	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	92820	83.96	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	485747	61.36	ng	0.00
78) Terphenyl-d14	14.98	244	524832	51.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.93	94	17092	3.26	ng	92
31) Naphthalene	8.98	128	725292	58.96	ng	99
37) 2-Methylnaphthalene	9.84	142	161464	18.25	ng	# 96
45) 1,1'-Biphenyl	10.42	154	54179	5.69	ng	98
48) Acenaphthylene	10.96	152	41276	3.54	ng	97
49) Dimethylphthalate	10.81	163	27205	3.31	ng	# 99
51) Acenaphthene	11.17	154	202945	29.34	ng	99
54) Dibenzofuran	11.39	168	225706	21.51	ng	97
57) Fluorene	11.81	166	200022	24.30	ng	99
70) Phenanthrene	13.01	178	1960176	143.09	ng	97
71) Anthracene	13.07	178	474644	34.85	ng	100
72) Carbazole	13.28	167	203363	16.98	ng	99
74) Fluoranthene	14.50	202	1751476	126.63	ng	97
77) Pyrene	14.77	202	1550062	108.69	ng	95
80) Benzo(a)anthracene	16.27	228	699326	52.05	ng	99
82) Chrysene	16.31	228	583224	45.91	ng	96
85) Indeno(1,2,3-cd)pyrene	19.54	276	370186	25.52	ng	96
87) Benzo(b)fluoranthene	17.56	252	807171m	50.13	ng	
88) Benzo(k)fluoranthene	17.59	252	152660m	11.48	ng	
89) Benzo(a)pyrene	17.95	252	555744	39.66	ng	# 96
90) Dibenzo(a,h)anthracene	19.55	278	80469	5.64	ng	93
91) Benzo(g,h,i)perylene	20.00	276	363327	25.62	ng	96

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

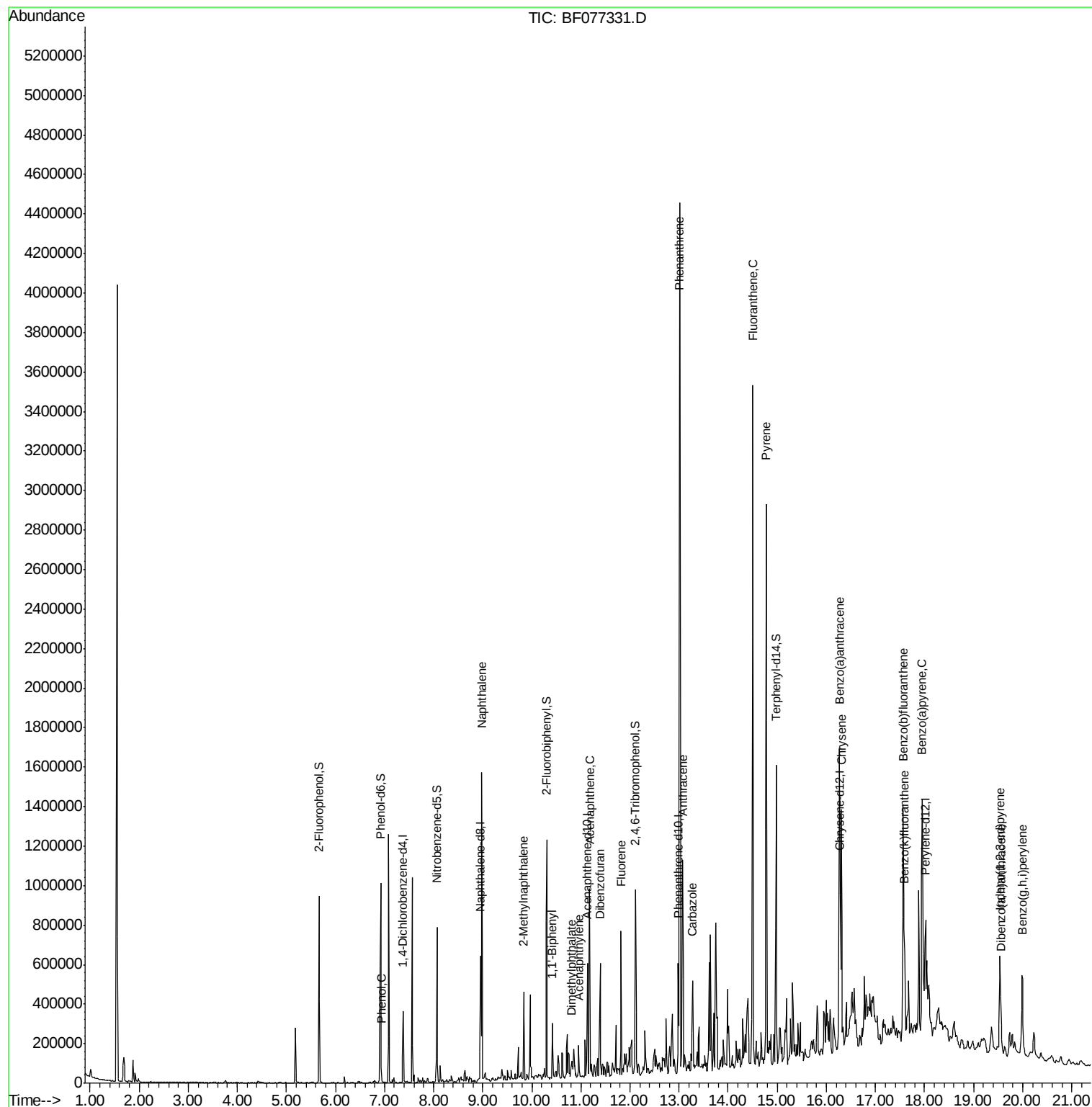
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
Data File : BF077331.D
Acq On : 17 Feb 2015 23:49
Operator : TP/IZ
Sample : G1299-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

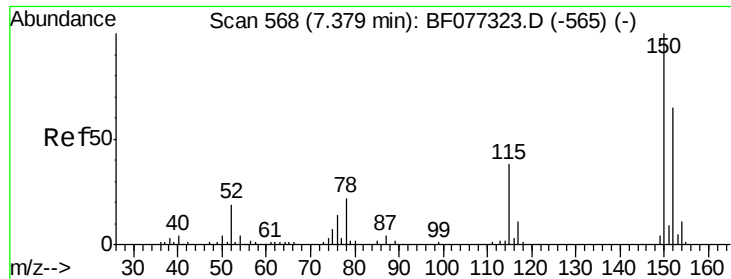
Instrument :
BNA_F
ClientSampleId :
COMP1

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Quant Time: Feb 18 10:33:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 09:51:00 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

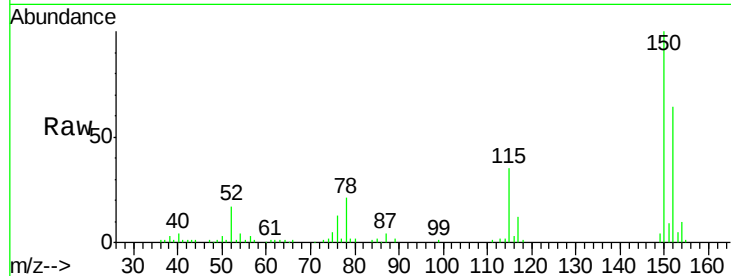
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COMP1

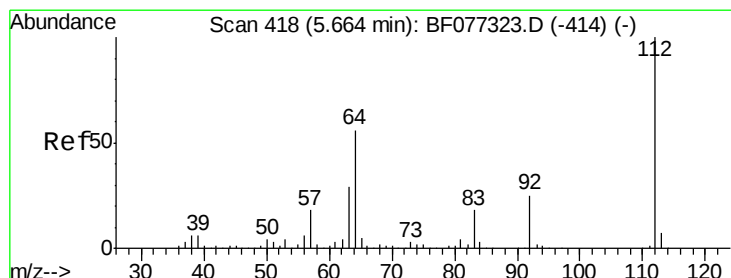
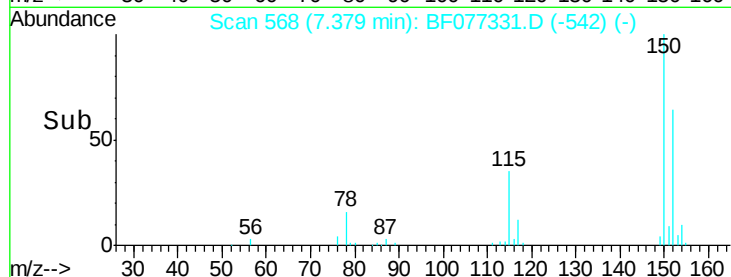
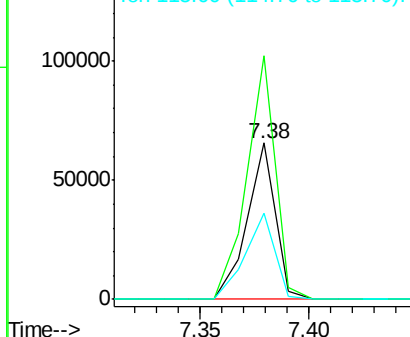
Tgt Ion:	152	Resp:	58980
Ion Ratio	Lower	Upper	
152	100		
150	155.9	123.1	184.7
115	55.0	46.2	69.4

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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: 88.11 ng

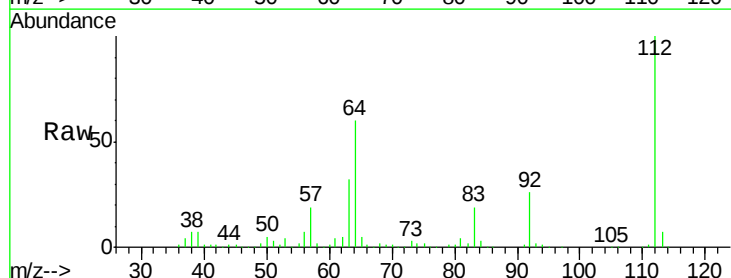
RT: 5.66 min Scan# 418

Delta R.T. 0.00 min

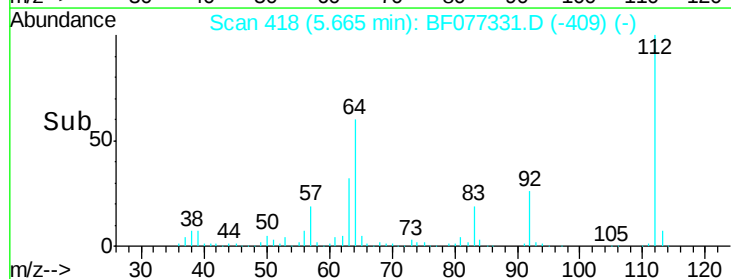
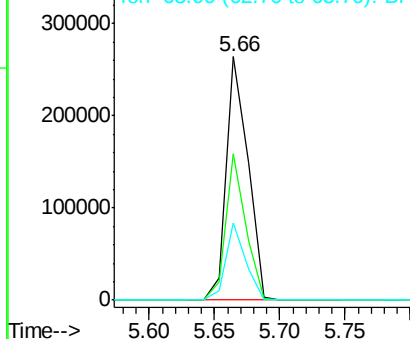
Lab File: BF077331.D

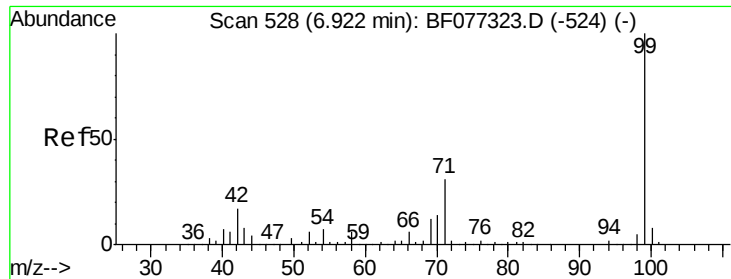
Acq: 17 Feb 2015 23:49

Tgt Ion:	112	Resp:	304080
Ion Ratio	Lower	Upper	
112	100		
64	60.4	44.7	67.1
63	31.8	23.3	34.9



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: 93.42 ng

RT: 6.92 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

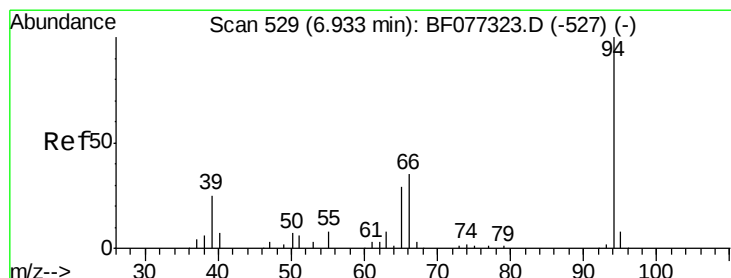
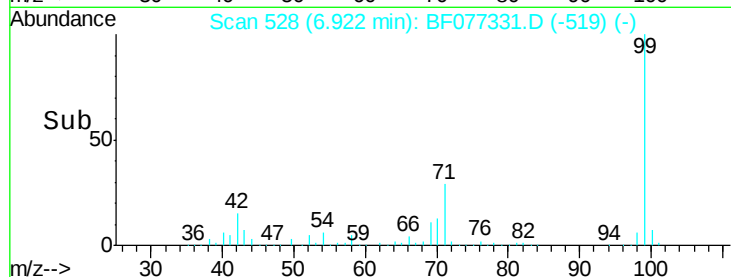
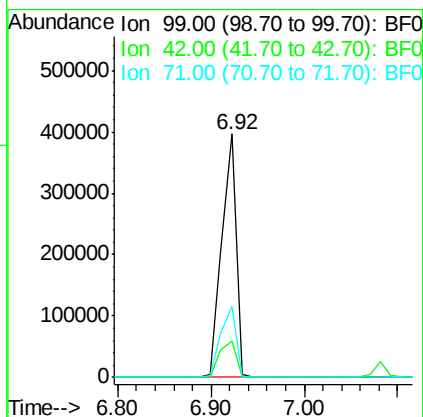
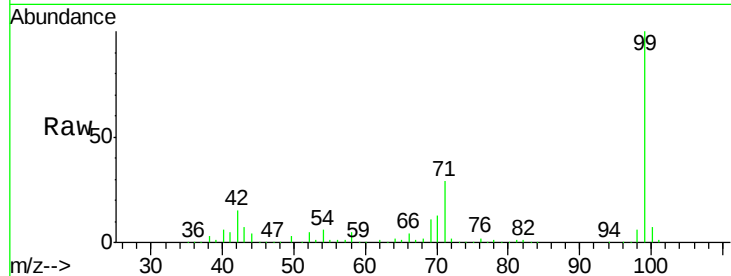
ClientSampleId :

COMP1

Tgt Ion:	99	Resp:	421201
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.8	20.6
71	29.3	24.6	37.0

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#10

Phenol

Concen: 3.26 ng

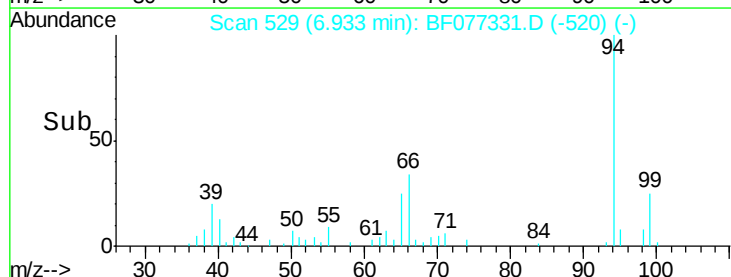
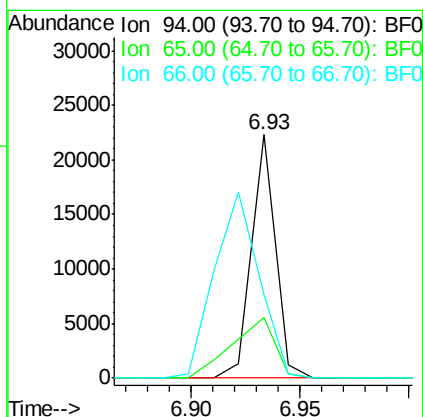
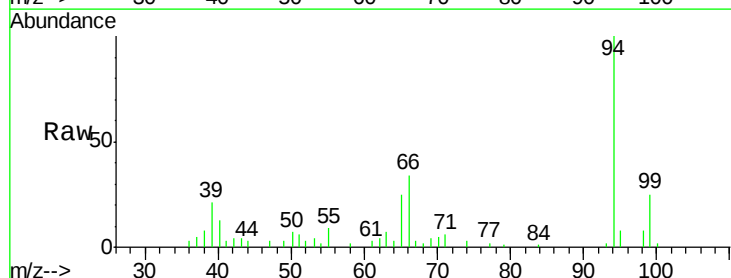
RT: 6.93 min Scan# 529

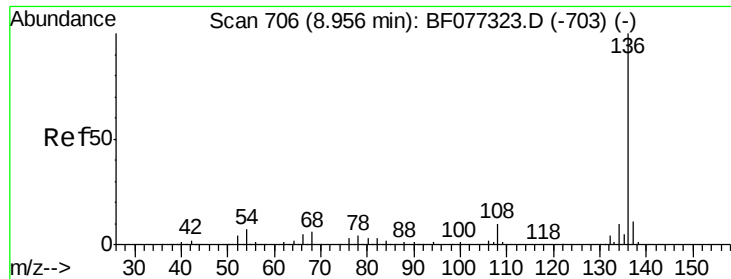
Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Tgt Ion:	94	Resp:	17092
Ion	Ratio	Lower	Upper
94	100		
65	24.7	9.3	49.3
66	34.2	18.3	58.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.96 min Scan# 706

Delta R.T. 0.00 min

Lab File: BF077331.D

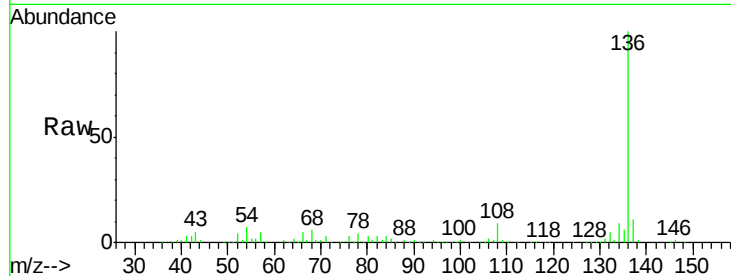
Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

ClientSampleId :

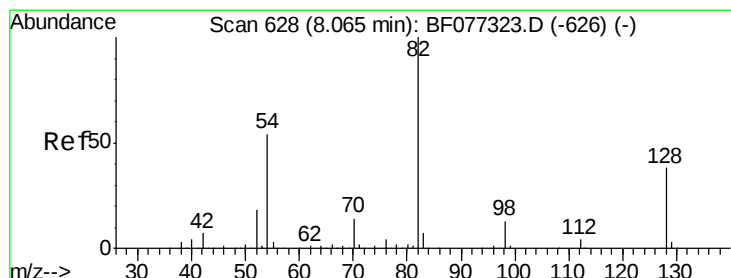
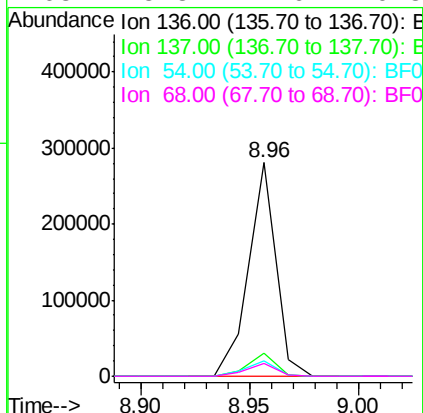
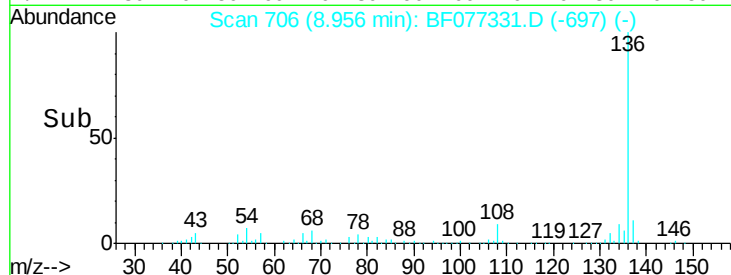
COMP1



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	245863		
137	10.8	8.7	13.1	
54	7.0	5.8	8.6	
68	5.8	4.6	6.8	

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#23

Nitrobenzene-d5

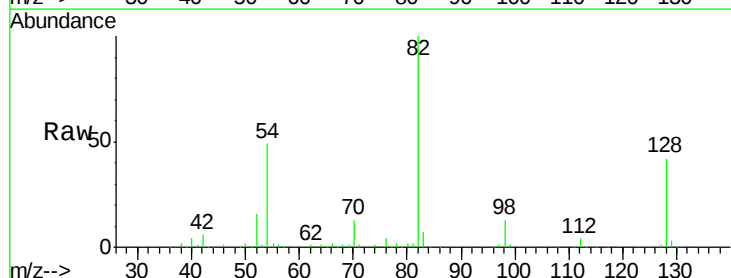
Concen: 63.02 ng

RT: 8.06 min Scan# 628

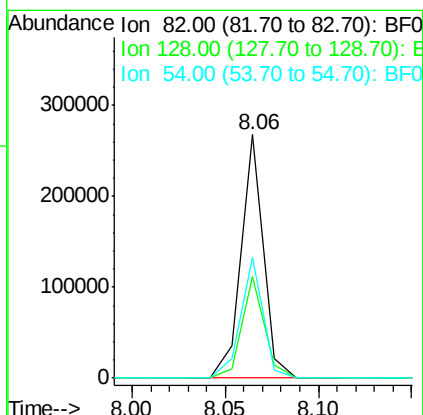
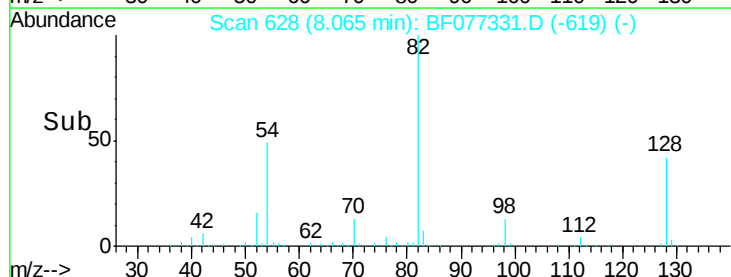
Delta R.T. 0.00 min

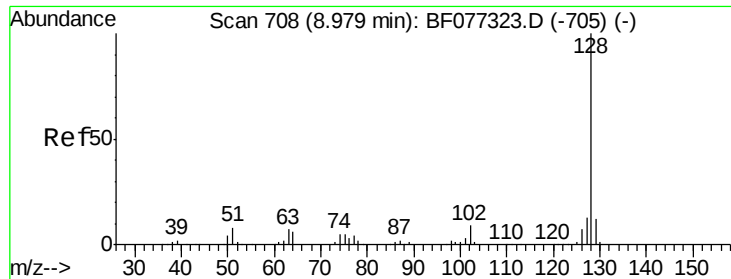
Lab File: BF077331.D

Acq: 17 Feb 2015 23:49



Tgt Ion	Ratio	Resp	Lower	Upper
82	100	223742		
128	41.8	30.7	46.1	
54	49.4	43.1	64.7	





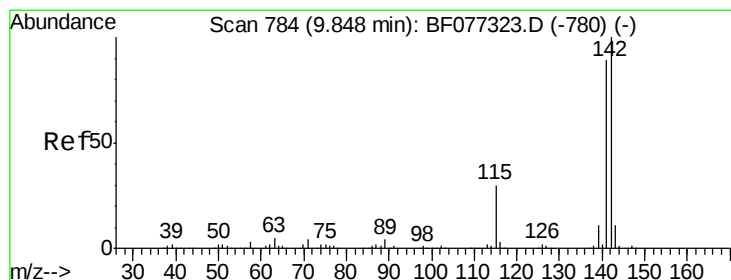
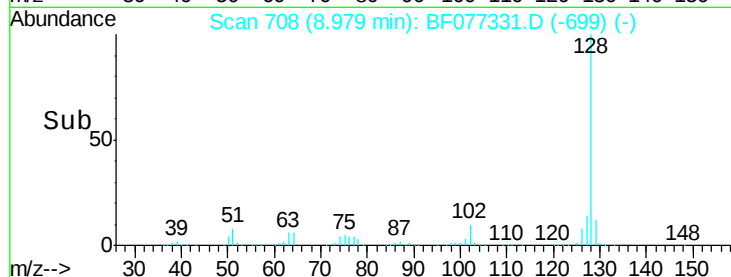
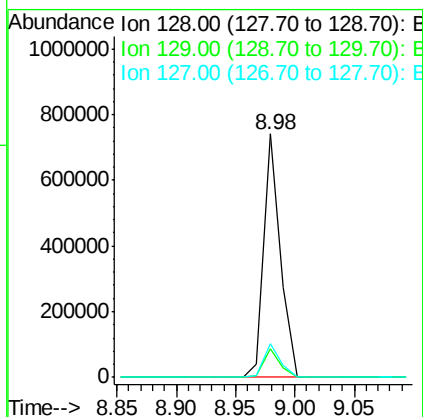
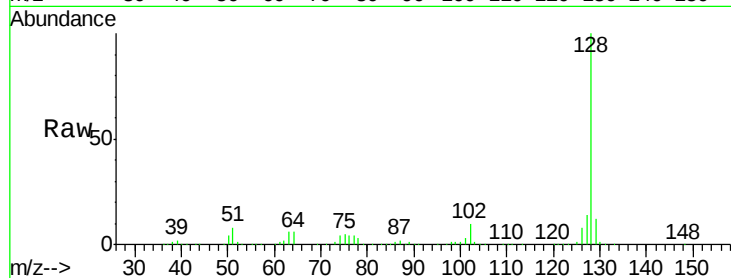
#31
Naphthalene
Concen: 58.96 ng
RT: 8.98 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	9.5	14.3
127	13.6	10.5	15.7

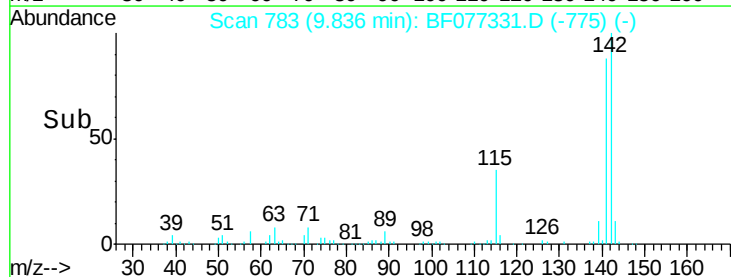
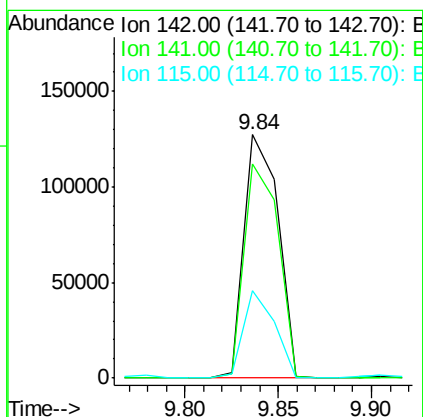
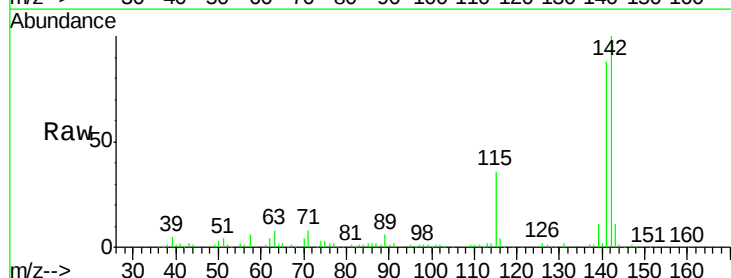
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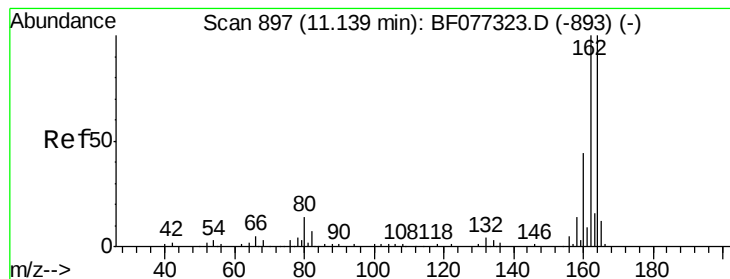
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#37
2-Methylnaphthalene
Concen: 18.25 ng
RT: 9.84 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	87.9	71.2	106.8
115	35.8	23.8	35.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF077331.D

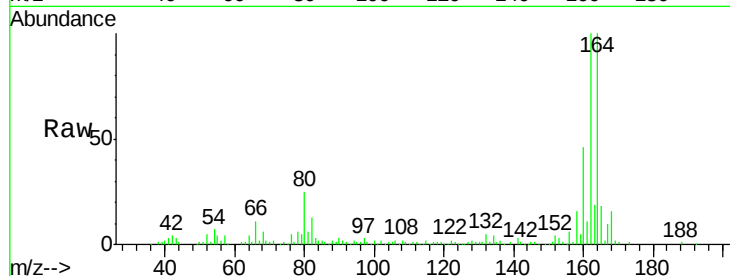
Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

ClientSampled :

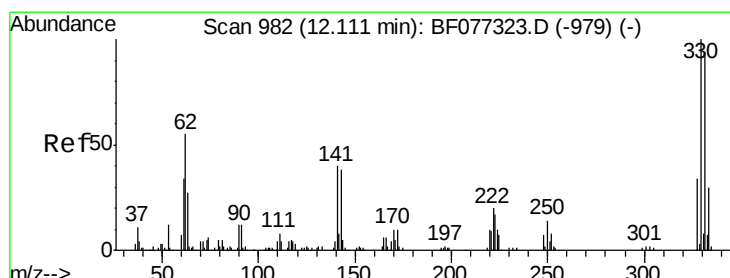
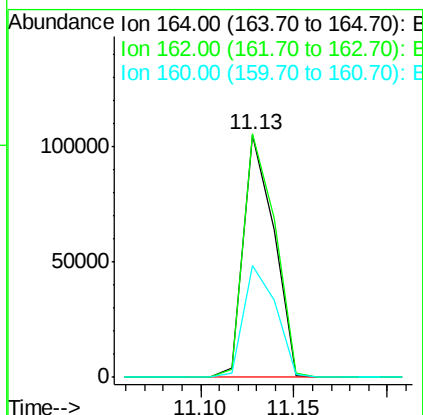
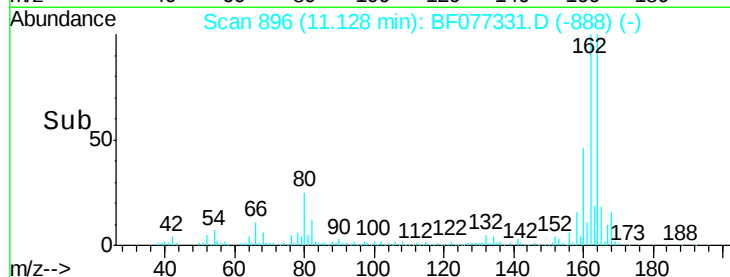
COMP1



Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119334		
162	100.3	80.4	120.6	
160	46.0	35.3	52.9	

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#41

2,4,6-Tribromophenol

Concen: 83.96 ng

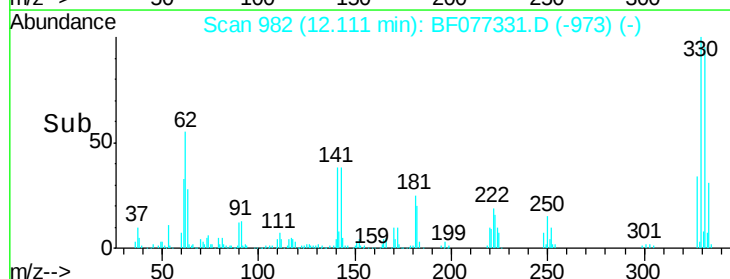
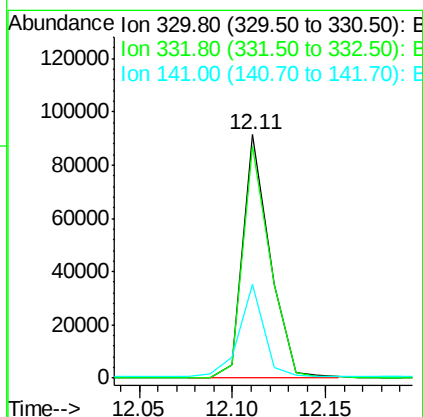
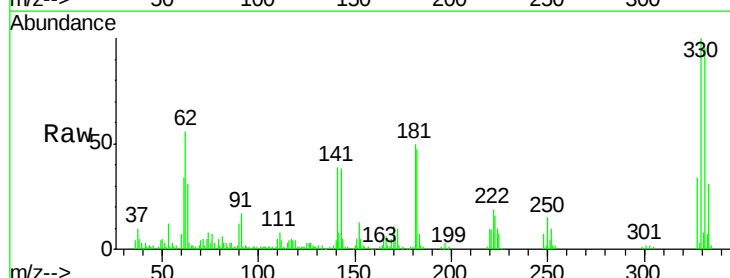
RT: 12.11 min Scan# 982

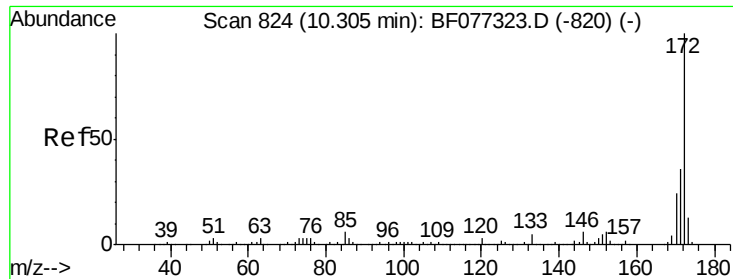
Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	92820		
332	96.5	76.1	114.1	
141	35.7	28.5	42.7	





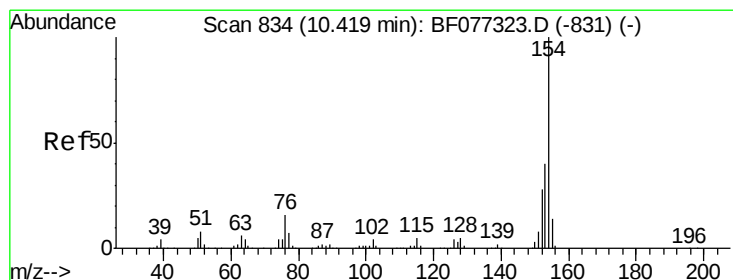
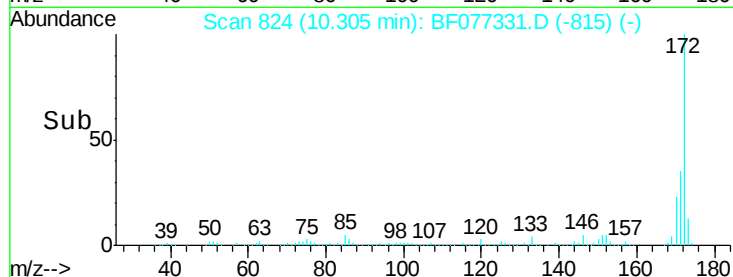
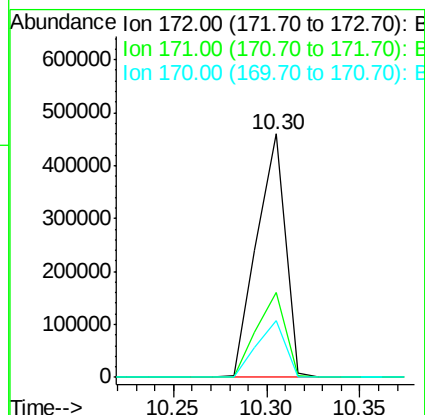
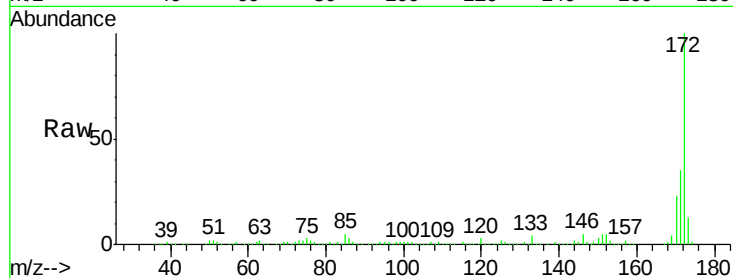
#44
2-Fluorobiphenyl
Concen: 61.36 ng
RT: 10.30 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	485747		
171	35.1	28.9	43.3	
170	23.4	19.4	29.2	

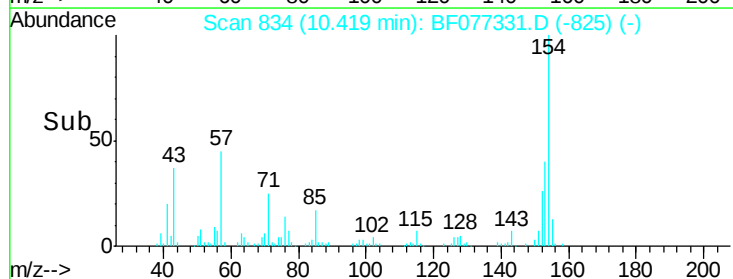
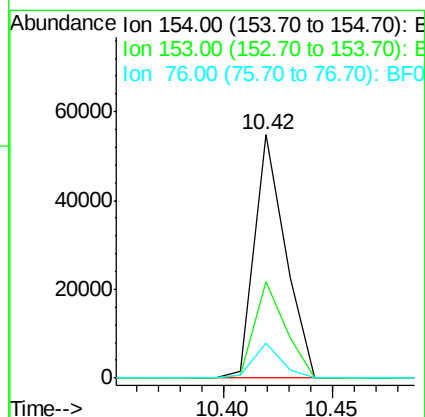
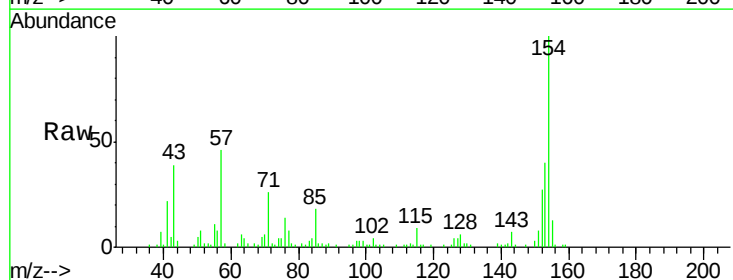
Manual Integrations
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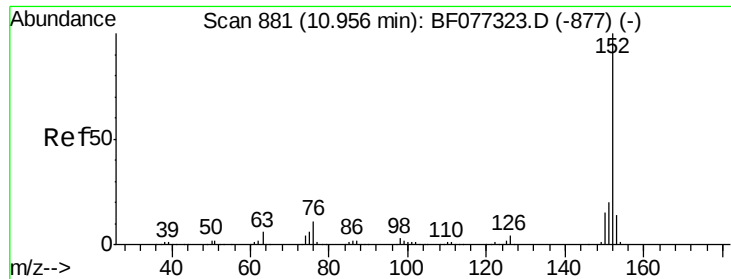
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#45
1,1'-Biphenyl
Concen: 5.69 ng
RT: 10.42 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	54179		
153	39.8	20.5	60.5	
76	14.4	0.0	35.9	





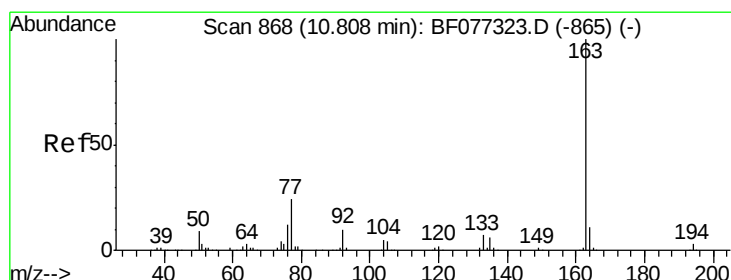
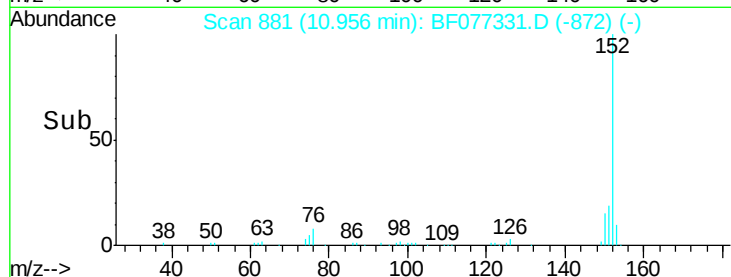
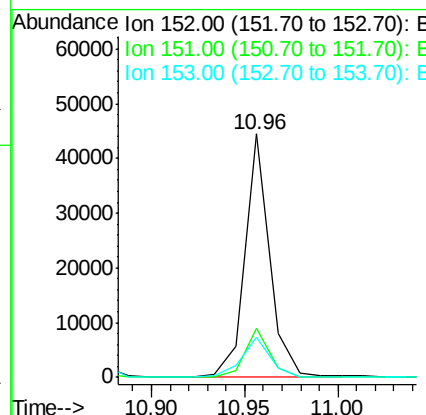
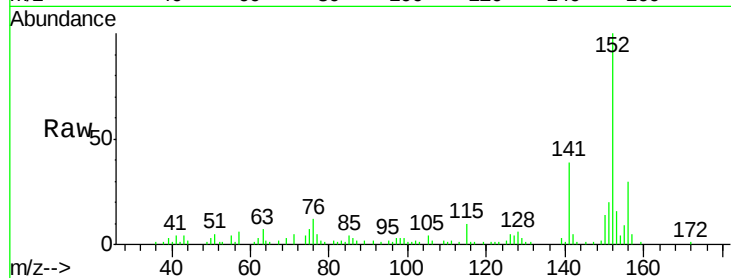
#48
Acenaphthylene
Concen: 3.54 ng
RT: 10.96 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	16.3	10.9	16.3

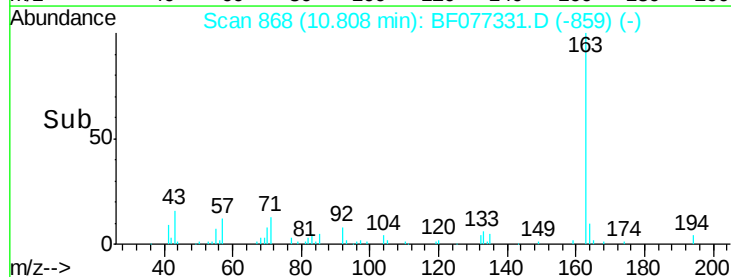
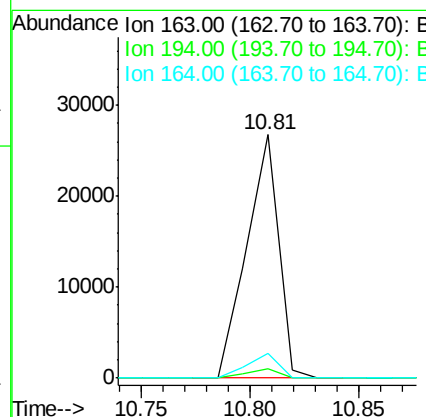
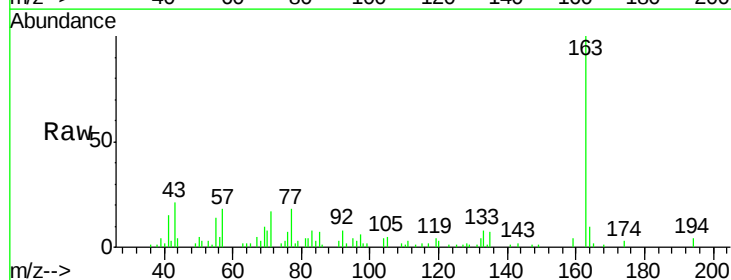
Manual Integrations
APPROVED

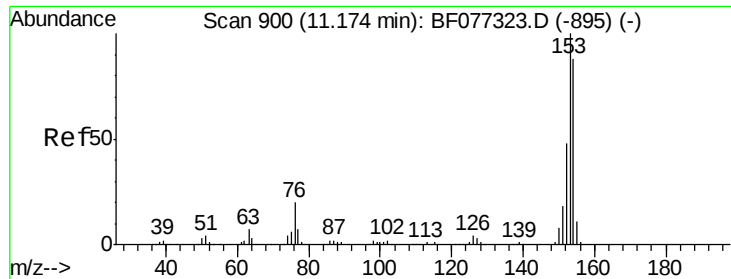
apatel
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#49
Dimethylphthalate
Concen: 3.31 ng
RT: 10.81 min Scan# 868
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	3.8#
164	10.3	8.4	12.6





#51

Acenaphthene

Concen: 29.34 ng

RT: 11.17 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF077331.D

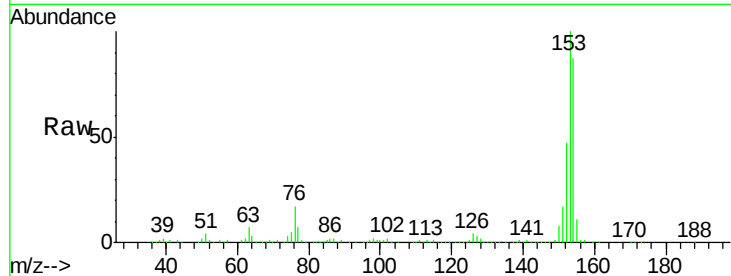
Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

ClientSampleId :

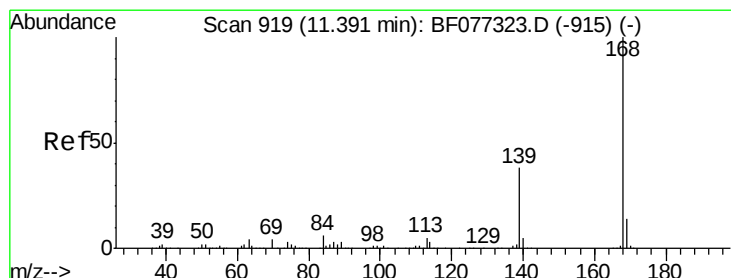
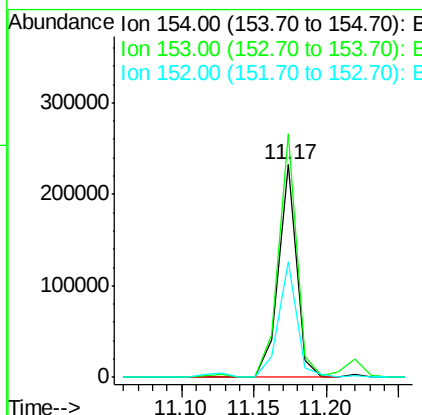
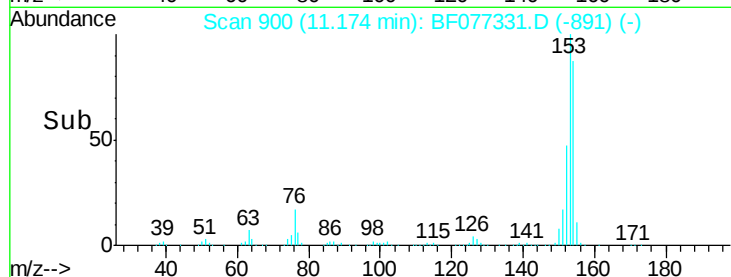
COMP1



Tgt Ion	Ratio	Resp	Lower	Upper
154	100	202945		
153	114.4	90.9	136.3	
152	54.2	43.5	65.3	

Manual Integrations
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#54

Dibenzofuran

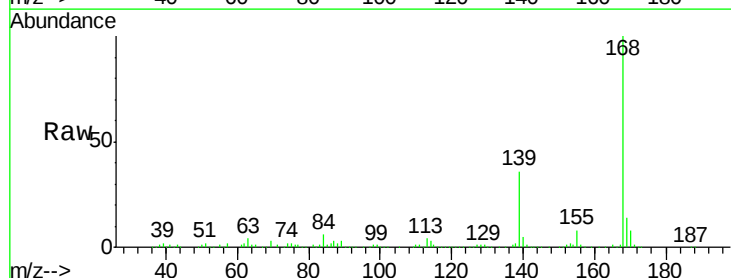
Concen: 21.51 ng

RT: 11.39 min Scan# 919

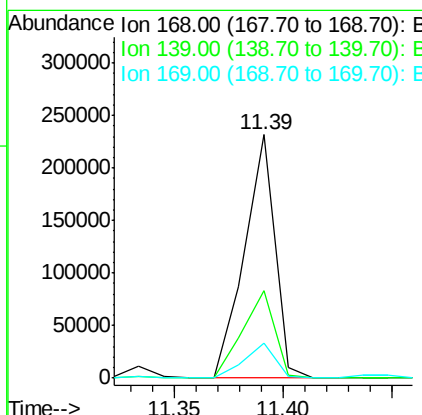
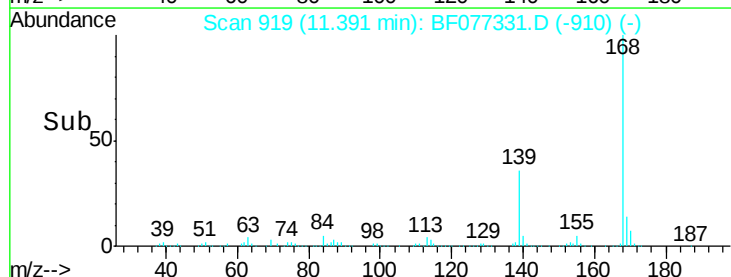
Delta R.T. 0.00 min

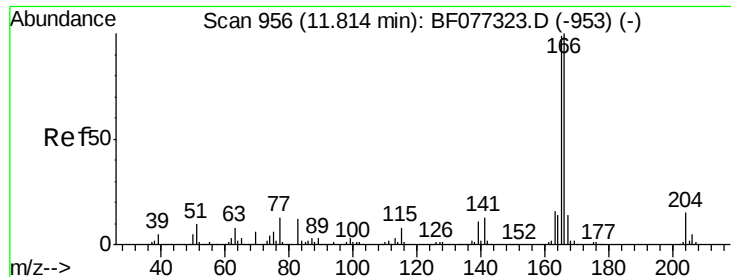
Lab File: BF077331.D

Acq: 17 Feb 2015 23:49



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	225706		
139	36.0	30.6	45.8	
169	14.2	11.0	16.4	





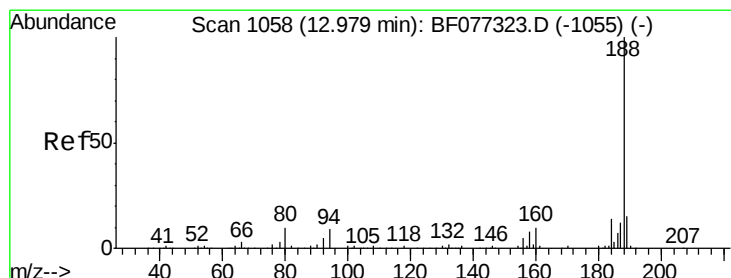
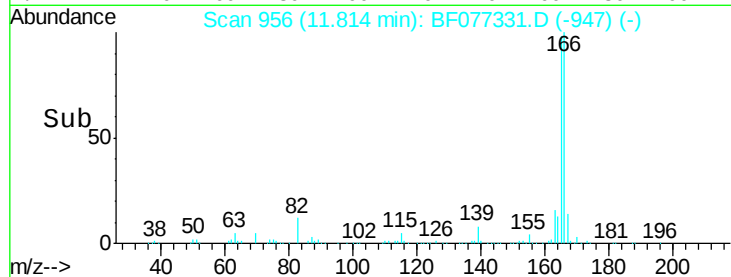
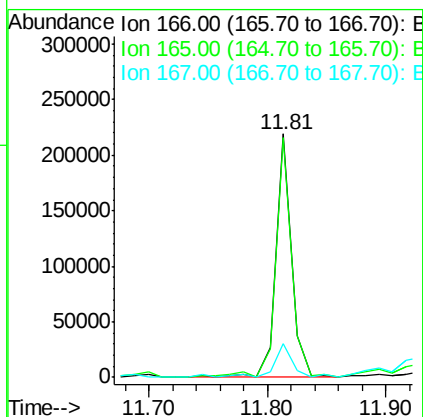
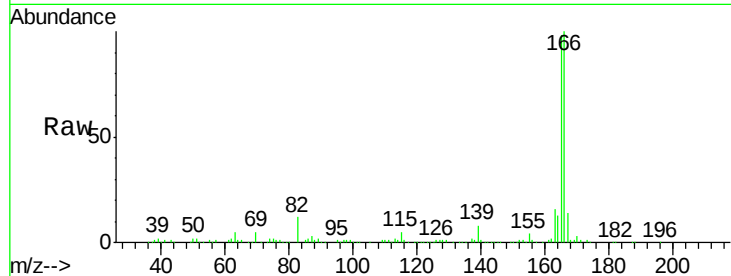
#57
Fluorene
 Concen: 24.30 ng
 RT: 11.81 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF077331.D
 Acq: 17 Feb 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 COMP1

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	200022		
165	98.3	79.2	118.8	
167	14.0	11.0	16.6	

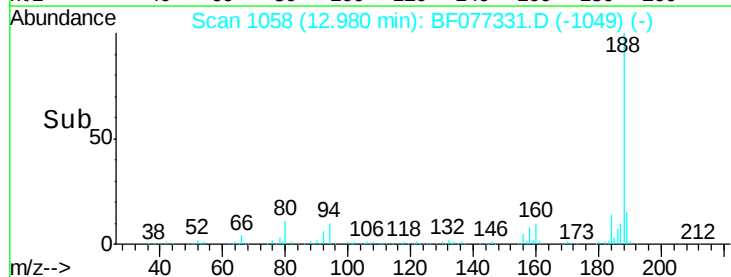
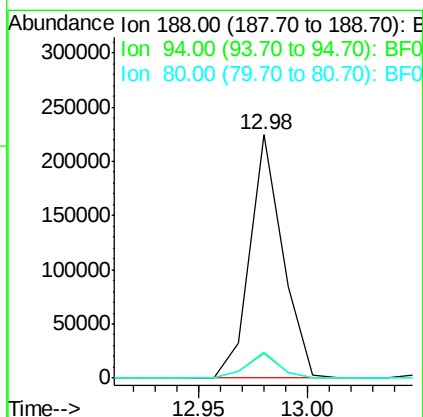
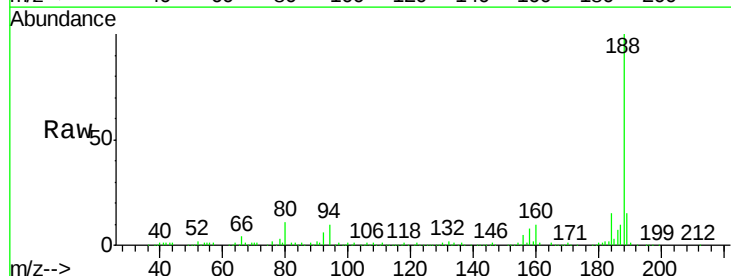
Manual Integrations
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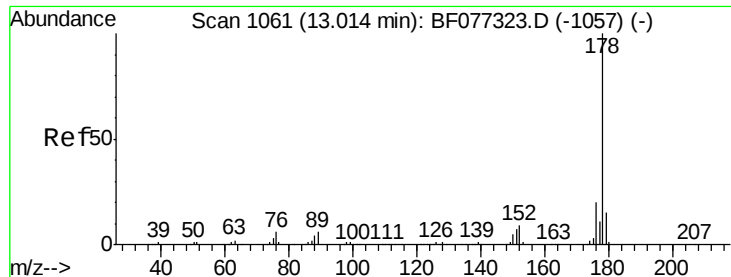
apatel
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.98 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF077331.D
 Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	235741		
94	10.2	7.2	10.8	
80	10.9	7.8	11.8	





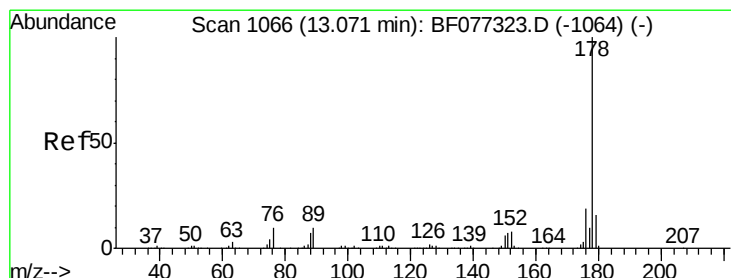
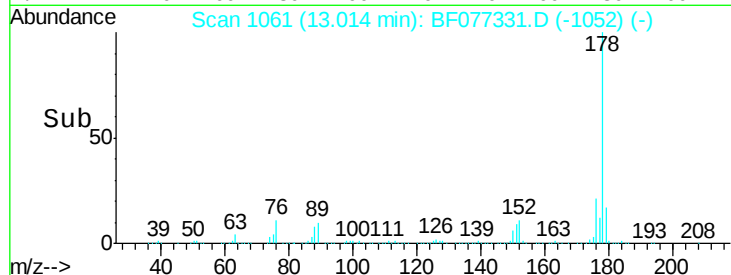
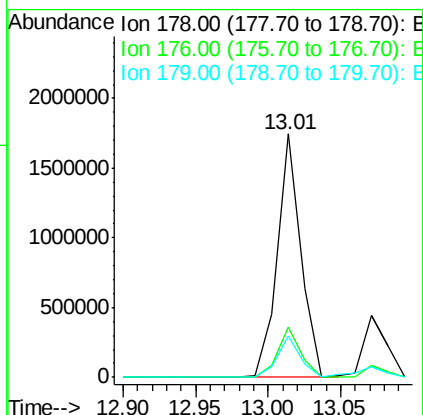
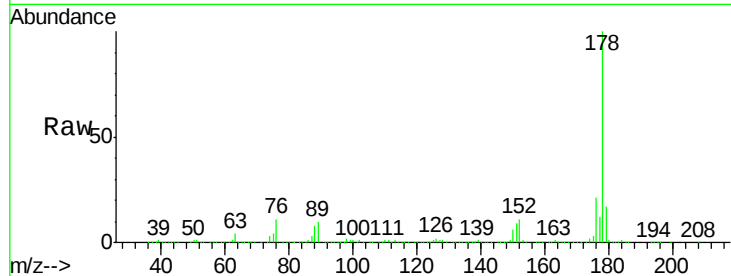
#70
Phenanthrene
Concen: 143.09 ng
RT: 13.01 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion:178 Resp: 1960176
Ion Ratio Lower Upper
178 100
176 20.9 15.6 23.4
179 17.0 12.3 18.5

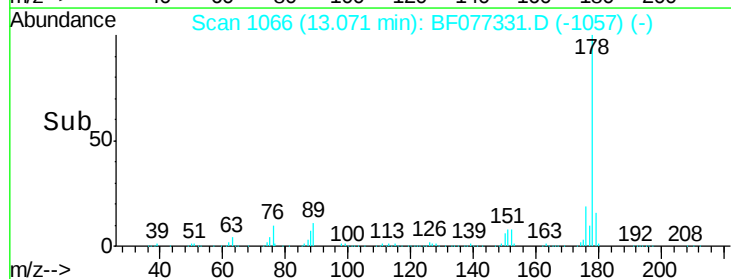
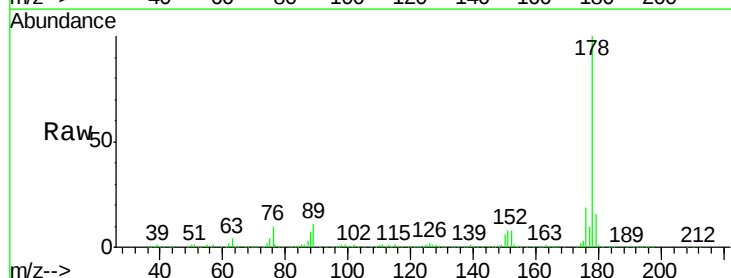
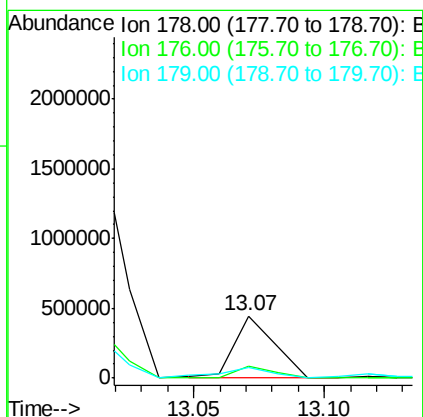
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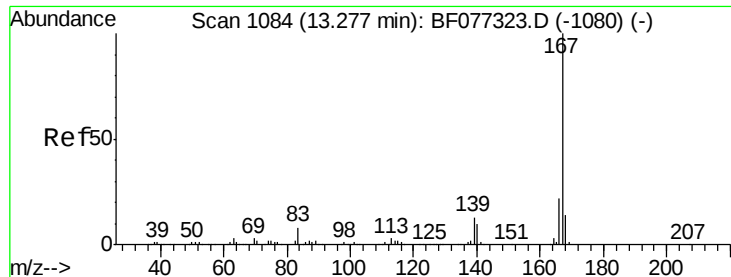
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#71
Anthracene
Concen: 34.85 ng
RT: 13.07 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion:178 Resp: 474644
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.3 12.8 19.2





#72

Carbazole

Concen: 16.98 ng

RT: 13.28 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF077331.D

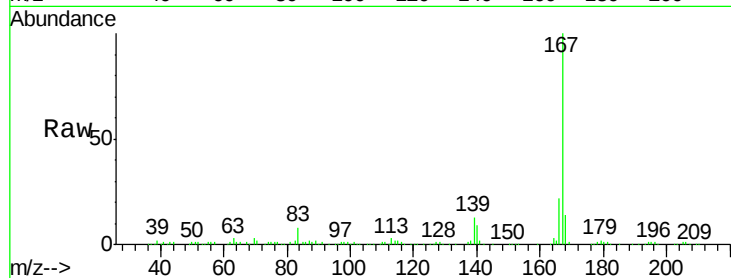
Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

ClientSampled :

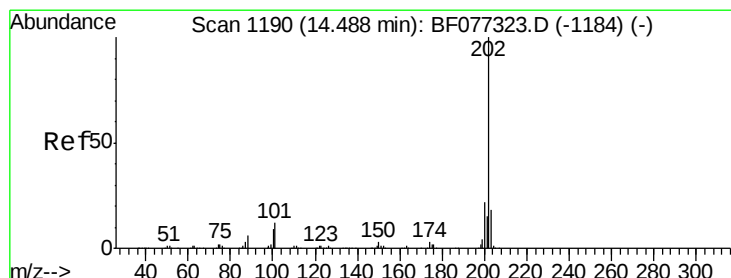
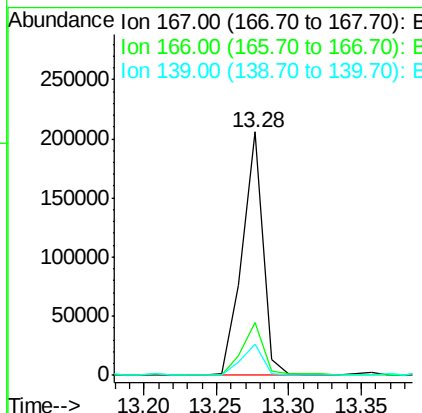
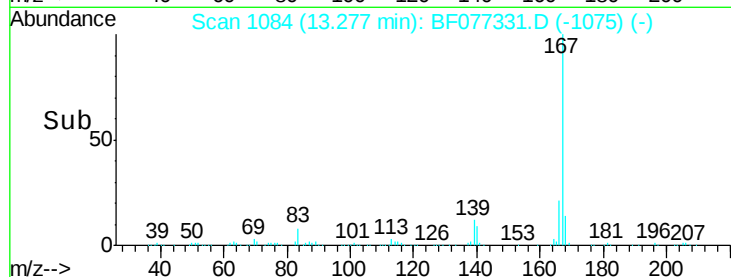
COMP1



Tgt Ion:	167	Resp:	203363
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.4	26.2
139	12.7	10.6	15.8

Manual Integrations
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#74

Fluoranthene

Concen: 126.63 ng

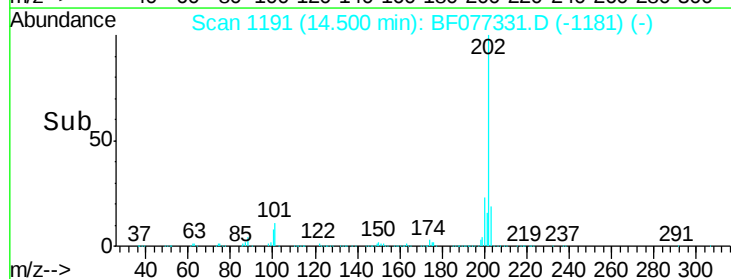
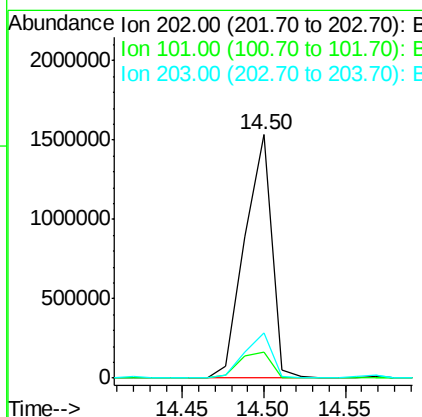
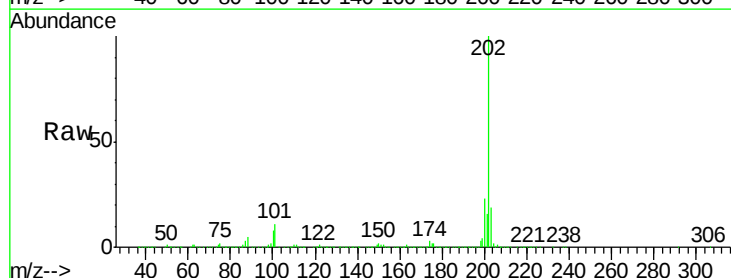
RT: 14.50 min Scan# 1191

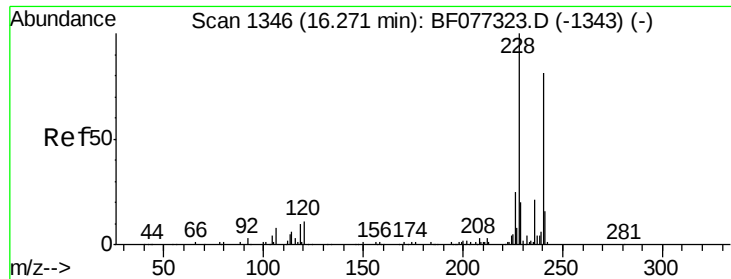
Delta R.T. 0.01 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Tgt Ion:	202	Resp:	1751476
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	32.4
203	18.8	0.0	37.7





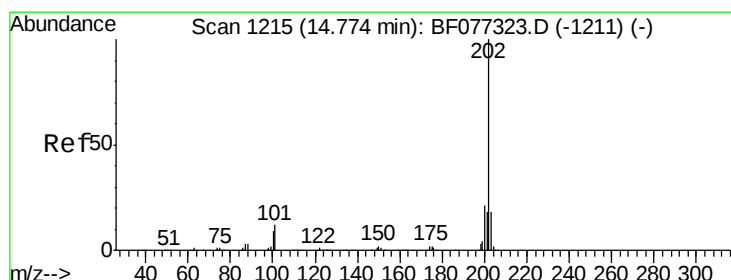
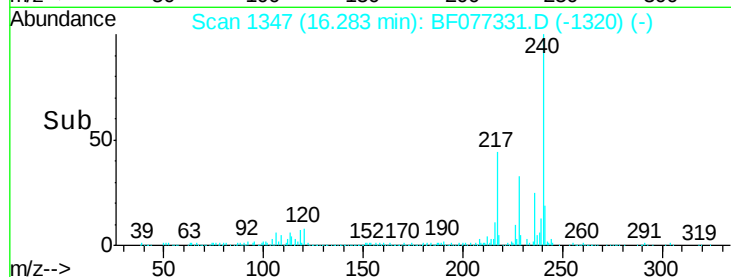
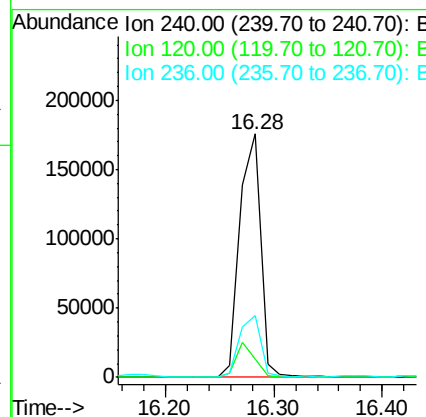
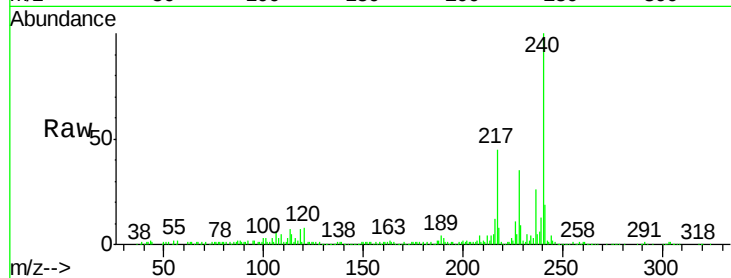
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.28 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	230705		
120	7.8	11.3	16.9	
236	25.6	20.3	30.5	

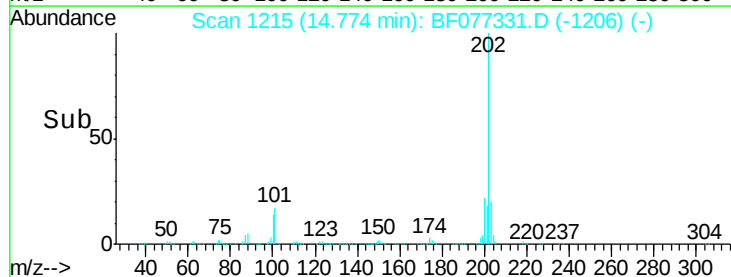
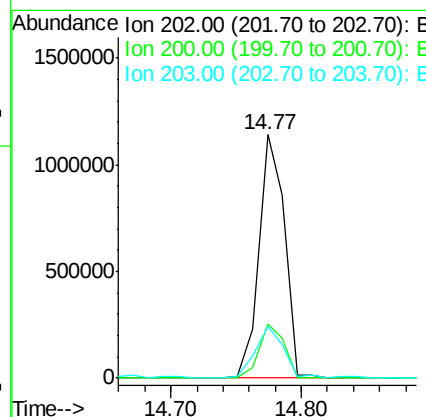
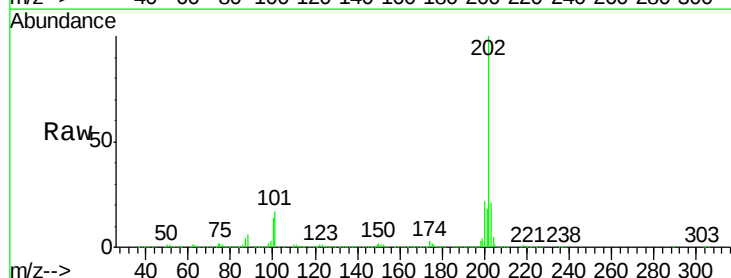
Manual Integrations
APPROVED

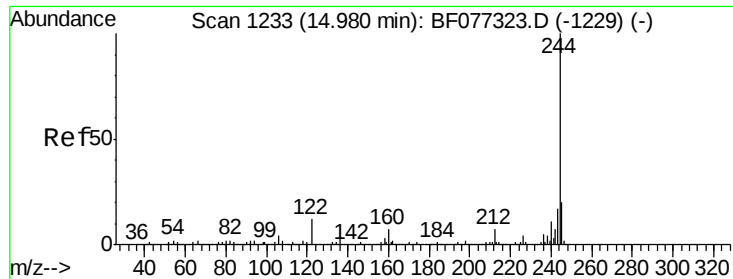
apatel
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#77
Pyrene
Concen: 108.69 ng
RT: 14.77 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1550062		
200	22.4	17.0	25.4	
203	21.0	14.2	21.4	





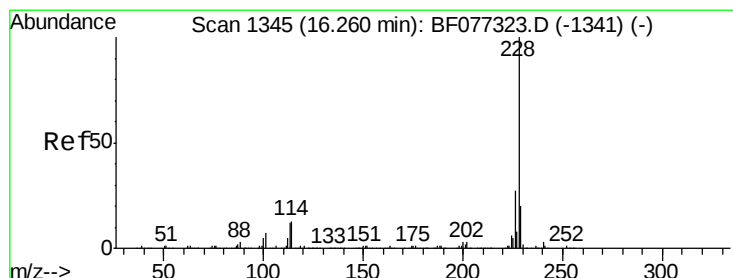
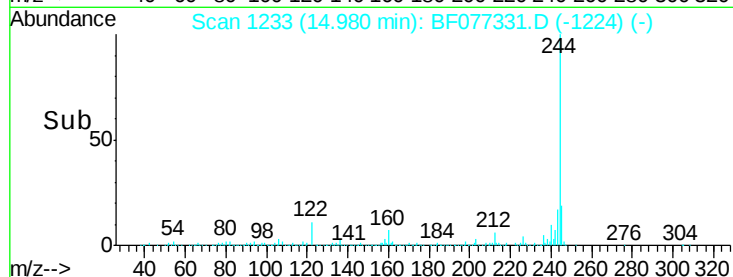
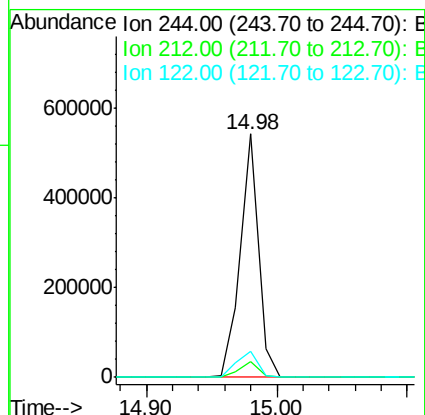
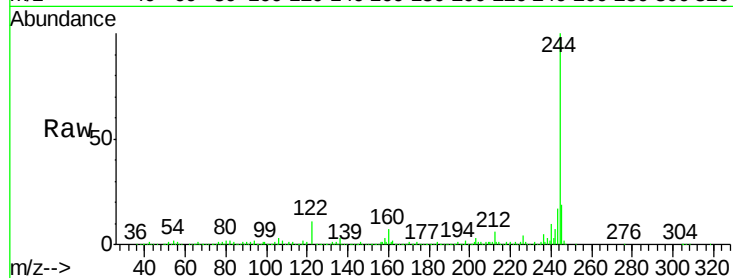
#78
 Terphenyl-d14
 Concen: 51.72 ng
 RT: 14.98 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BF077331.D
 Acq: 17 Feb 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 COMP1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.7	9.3	13.9

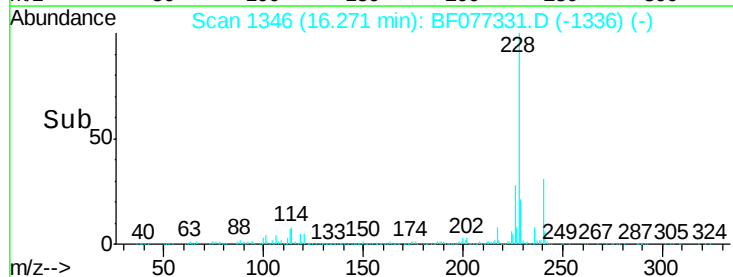
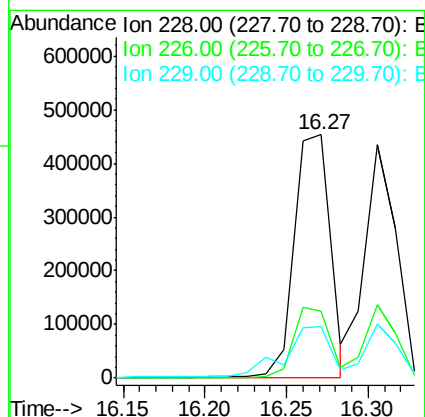
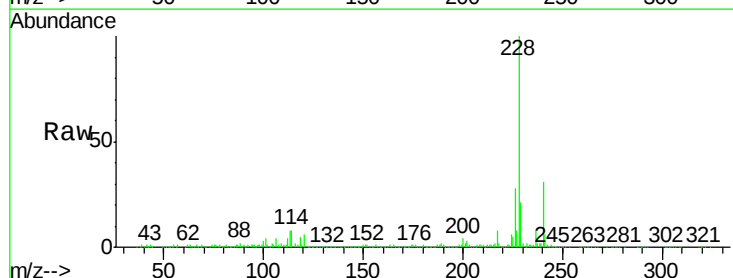
Manual Integrations
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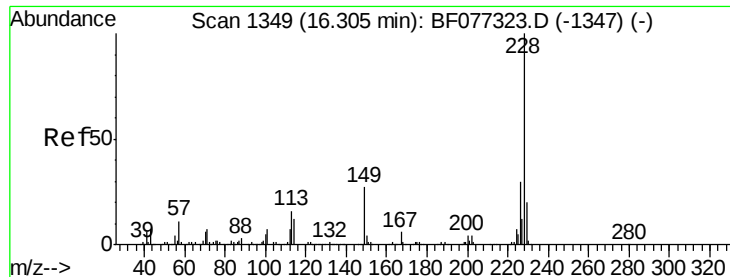
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#80
 Benzo(a)anthracene
 Concen: 52.05 ng
 RT: 16.27 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: BF077331.D
 Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	21.0	16.1	24.1





#82

Chrysene

Concen: 45.91 ng

RT: 16.31 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Instrument :

BNA_F

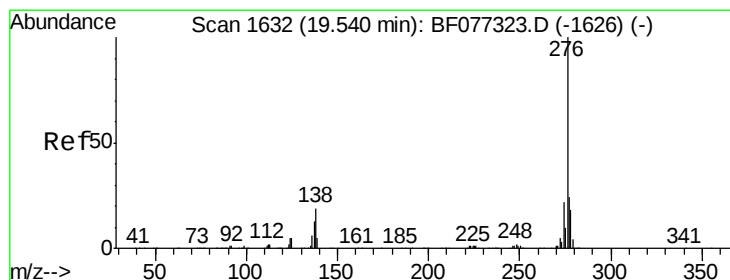
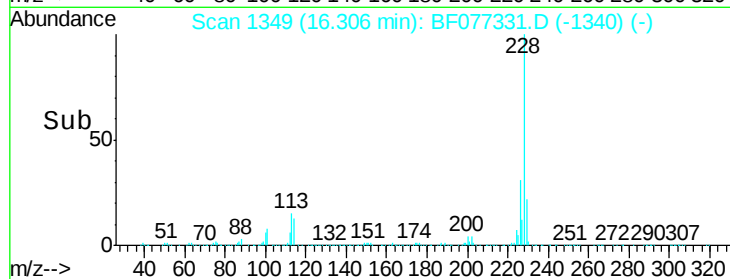
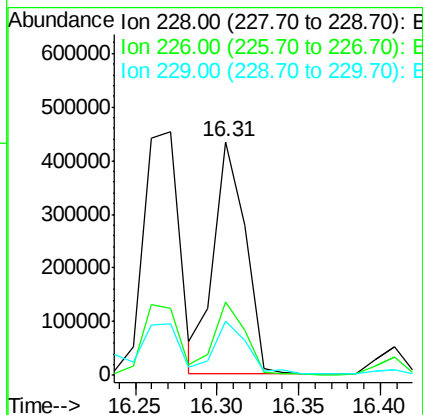
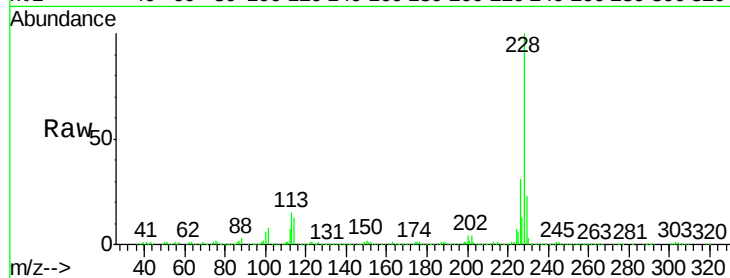
ClientSampleId :

COMP1

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Tgt Ion:	228	Resp:	583224
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.2	36.2
229	23.1	16.2	24.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 25.52 ng

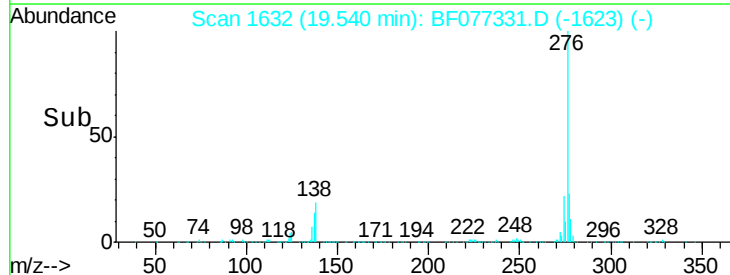
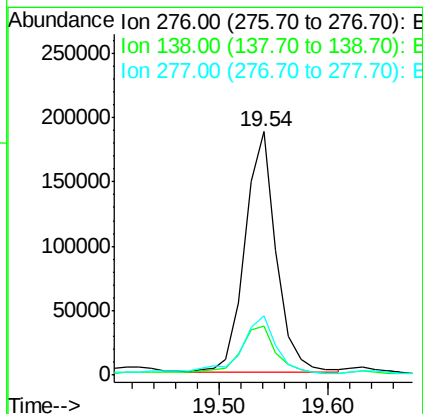
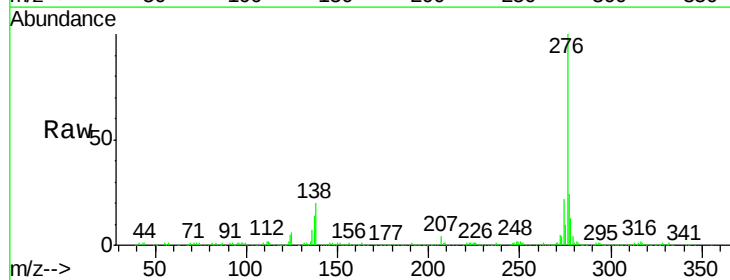
RT: 19.54 min Scan# 1632

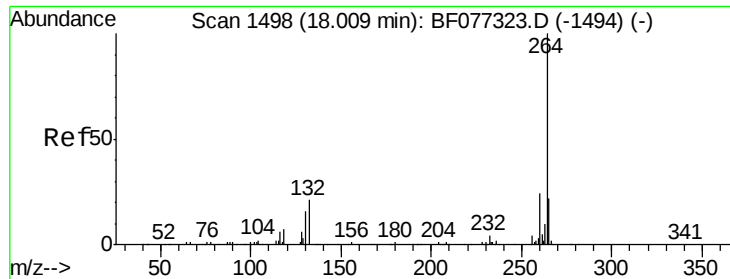
Delta R.T. 0.00 min

Lab File: BF077331.D

Acq: 17 Feb 2015 23:49

Tgt Ion:	276	Resp:	370186
Ion Ratio	Lower	Upper	
276	100		
138	21.6	20.2	30.2
277	25.9	20.2	30.2





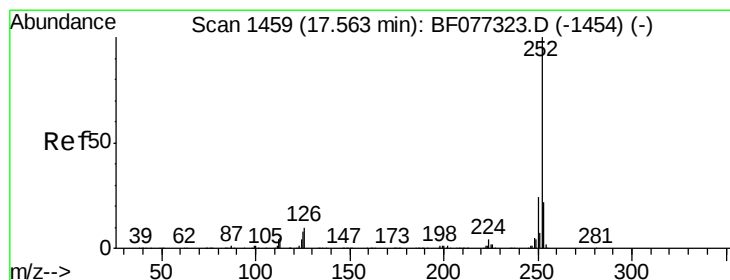
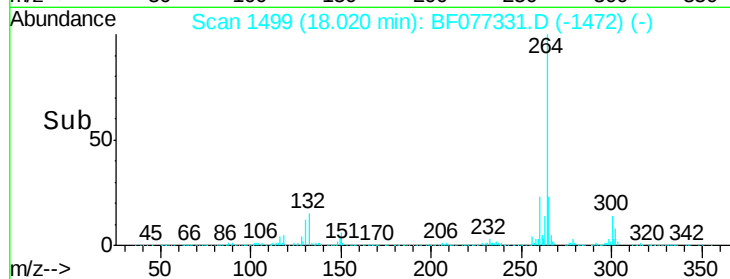
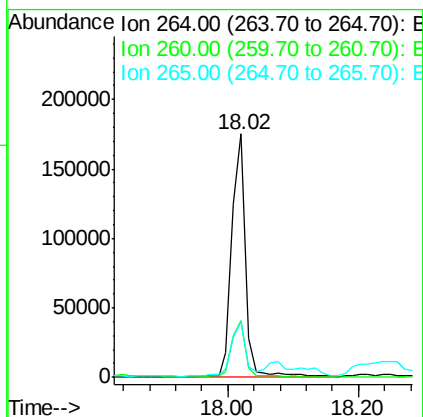
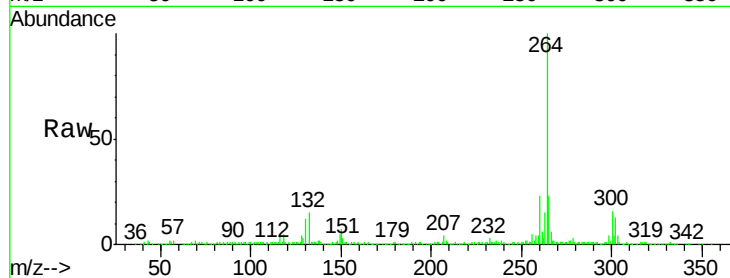
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1499
Delta R.T. 0.01 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.9	17.7	26.5

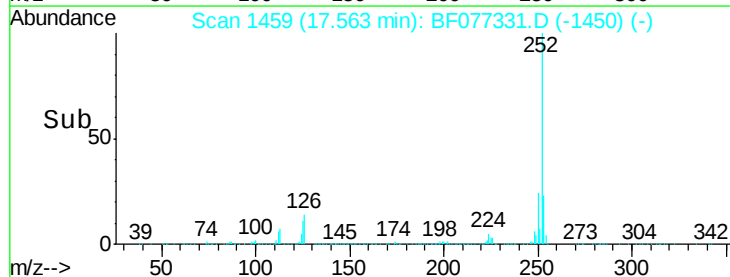
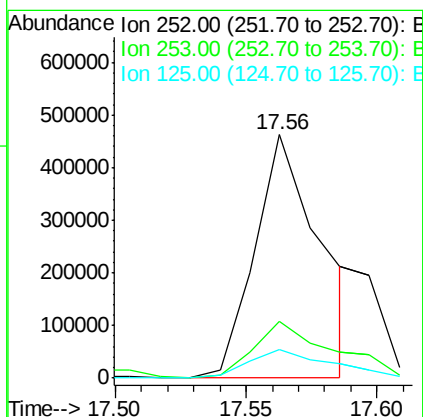
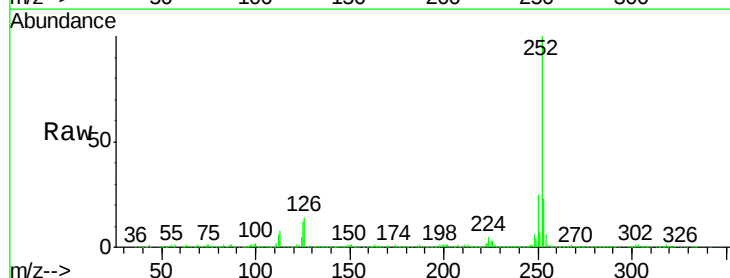
Manual Integrations
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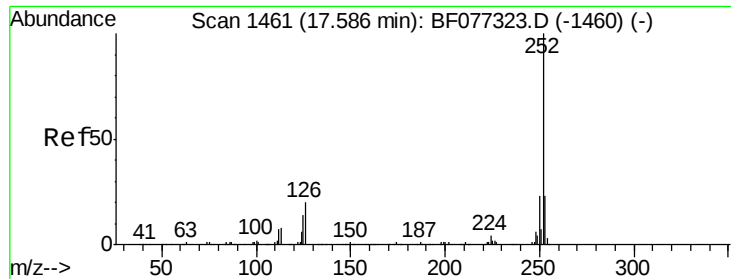
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#87
Benzo(b)fluoranthene
Concen: 50.13 ng m
RT: 17.56 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	11.6	6.1	9.1#





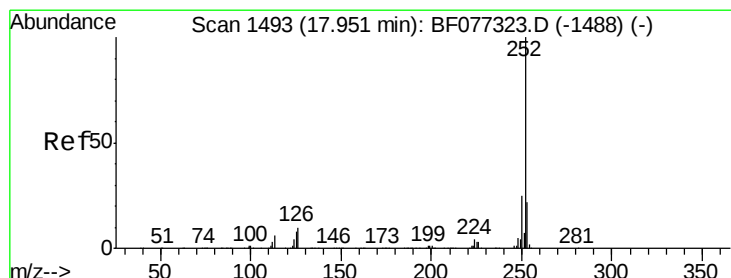
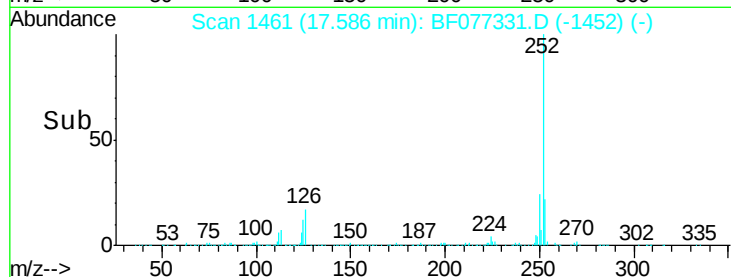
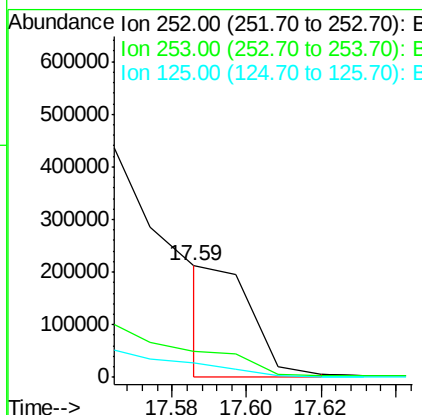
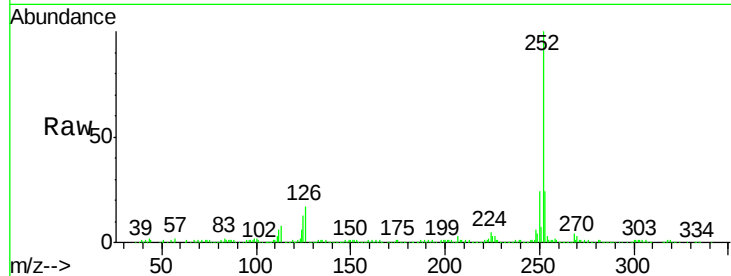
#88
Benzo(k)fluoranthene
Concen: 11.48 ng m
RT: 17.59 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampled :
COMP1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.0	11.0	16.4

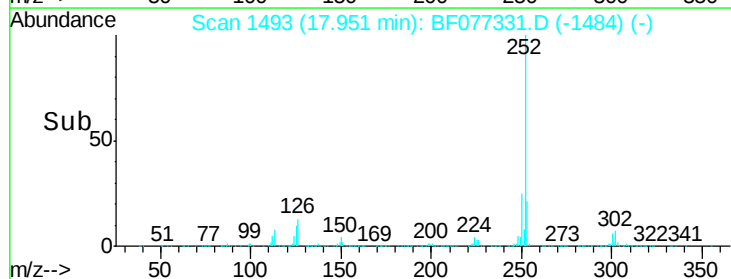
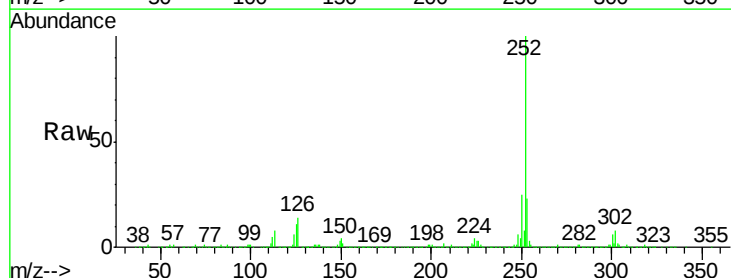
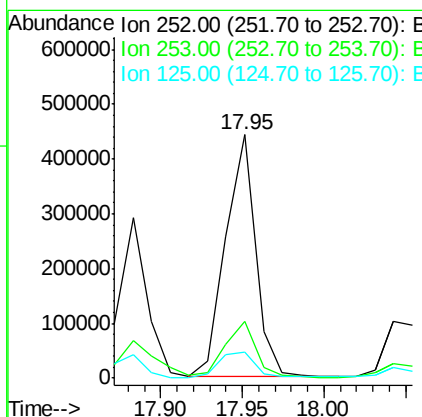
Manual Integrations
APPROVED

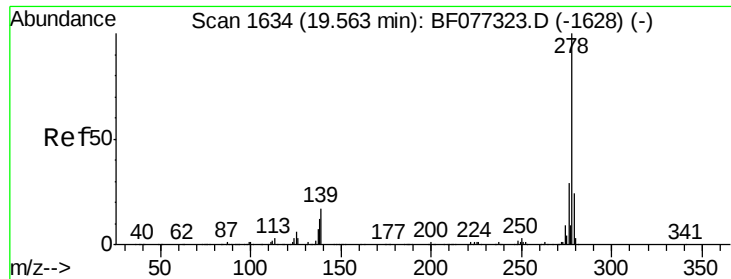
apatel
2/18/2015 4:27:27 PM



#89
Benzo(a)pyrene
Concen: 39.66 ng
RT: 17.95 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	10.5	6.2	9.2#





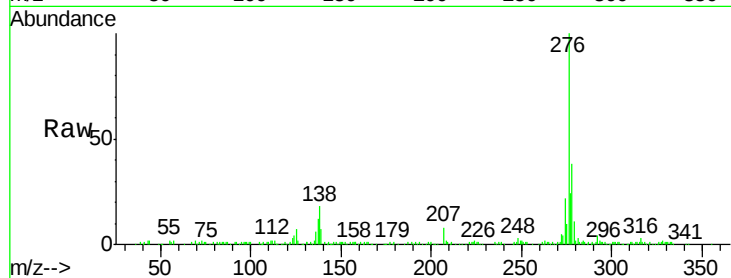
#90
Dibenzo(a,h)anthracene
Concen: 5.64 ng
RT: 19.55 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Instrument :
BNA_F
ClientSampleId :
COMP1

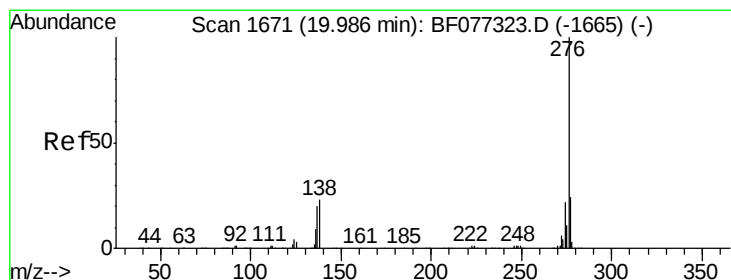
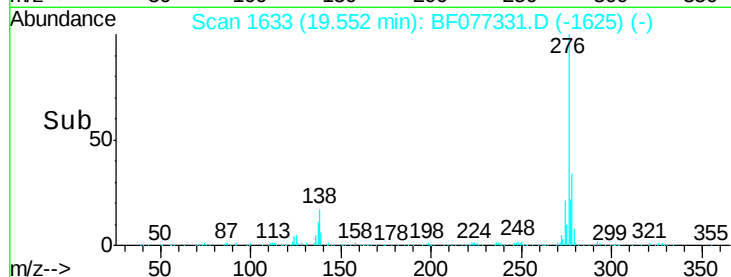
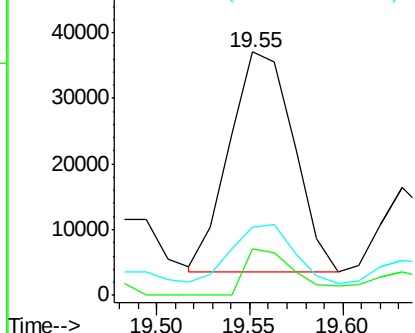
Tgt Ion:	278	Resp:	80469
Ion Ratio	Lower	Upper	
278	100		
139	19.0	13.4	20.2
279	28.2	19.1	28.7

Manual Integrations
APPROVED

apatel
2/18/2015 4:27:27 PM

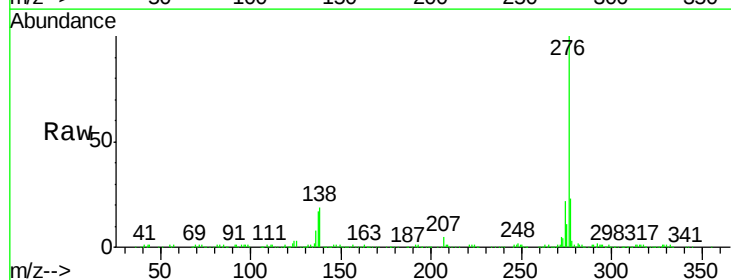


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 25.62 ng
RT: 20.00 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BF077331.D
Acq: 17 Feb 2015 23:49

Tgt Ion:	276	Resp:	363327
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.6
138	19.4	18.7	28.1



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

