

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081505.D
 Acq On : 6 Sep 2015 12:44
 Operator : UM/IZ
 Sample : G3555-11
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
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MMDadoda
 9/8/2015 3:58:06 PM

Quant Time: Sep 08 12:28:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	52121	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	203287	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	89185	20.00	ng	-0.01
63) Phenanthrene-d10	10.86	188	163630	20.00	ng	0.00
75) Chrysene-d12	13.46	240	102135	20.00	ng	0.00
86) Perylene-d12	14.77	264	90519	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	299460	89.14	ng	0.01
7) Phenol-d6	6.02	99	388759	87.43	ng	-0.01
23) Nitrobenzene-d5	6.94	82	299548	71.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	76955	96.91	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	456936	65.66	ng	-0.01
78) Terphenyl-d14	12.43	244	272758	62.17	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.13	163	82982	11.98	ng	# 97
70) Phenanthrene	10.88	178	255004	28.03	ng	97
71) Anthracene	10.92	178	50083	5.36	ng	99
72) Carbazole	11.08	167	18267	2.08	ng	# 92
74) Fluoranthene	12.05	202	262818	26.69	ng	90
77) Pyrene	12.27	202	265529	35.10	ng	98
80) Benzo(a)anthracene	13.45	228	88617m	13.62	ng	
82) Chrysene	13.49	228	79153m	13.58	ng	
85) Indeno(1,2,3-cd)pyrene	15.84	276	39743	9.29	ng	# 80
87) Benzo(b)fluoranthene	14.45	252	98509m	15.24	ng	
88) Benzo(k)fluoranthene	14.46	252	14664m	2.73	ng	
89) Benzo(a)pyrene	14.72	252	65403	11.94	ng	# 83
90) Dibenzo(a,h)anthracene	15.84	278	8959m	2.12	ng	
91) Benzo(g,h,i)perylene	16.15	276	34397	8.52	ng	# 78

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

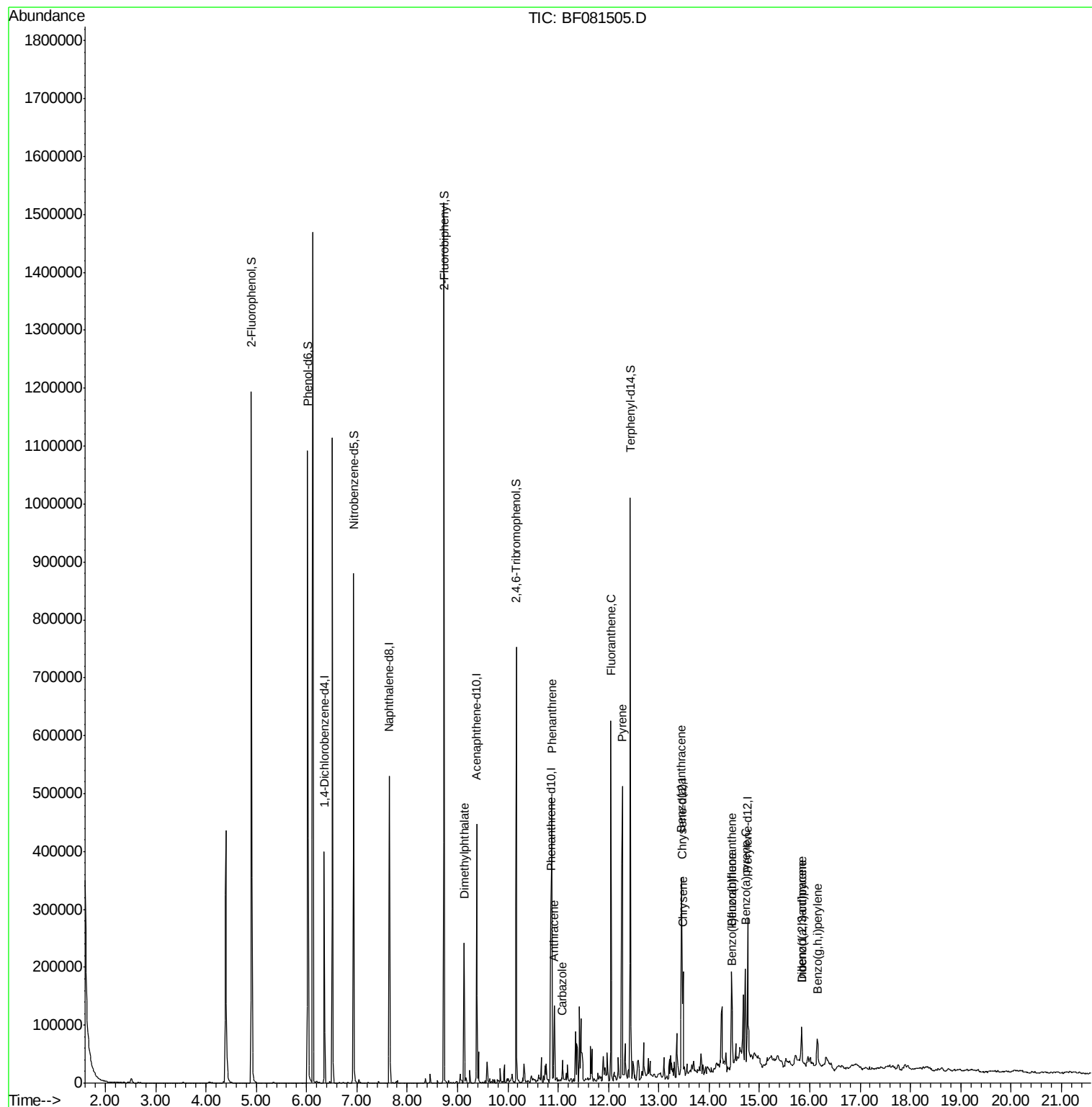
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
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QLast Update : Mon Sep 07 05:41:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

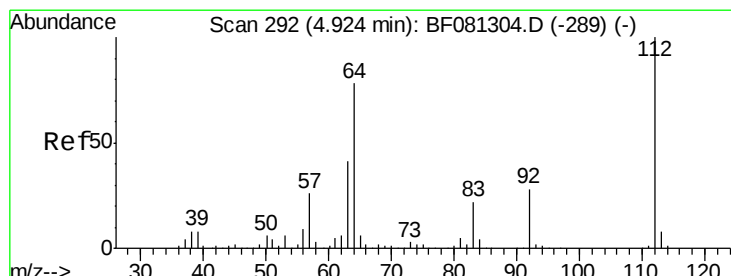
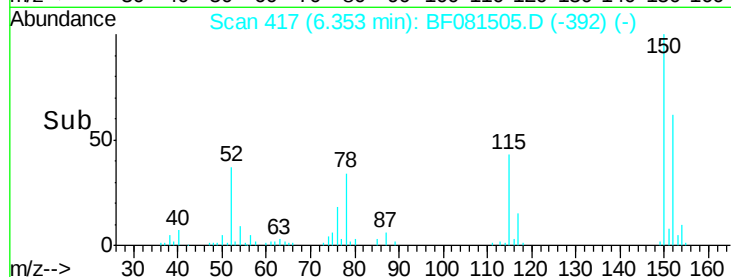
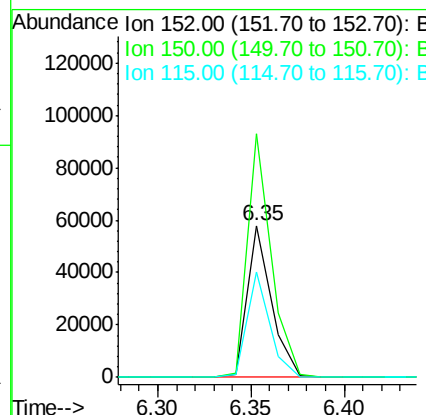
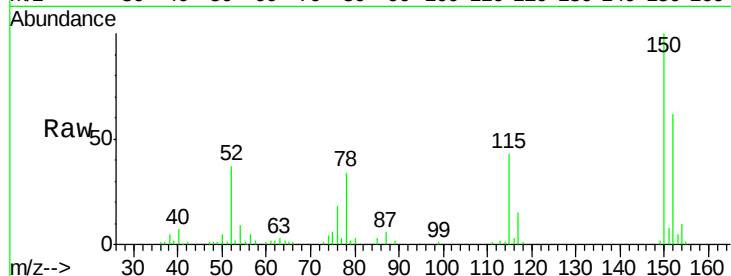
ClientSampleId :

COMP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.7	187.1
115	69.6	39.0	58.4#

Manual Integrations
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#5

2-Fluorophenol

Concen: 89.14 ng

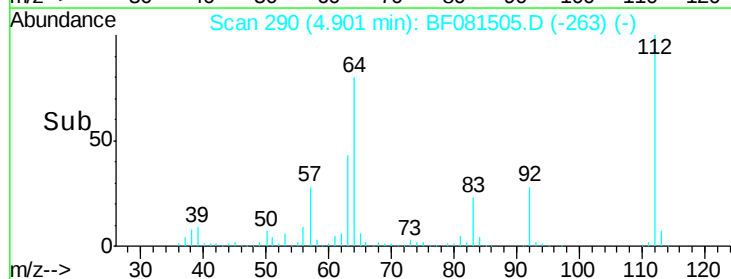
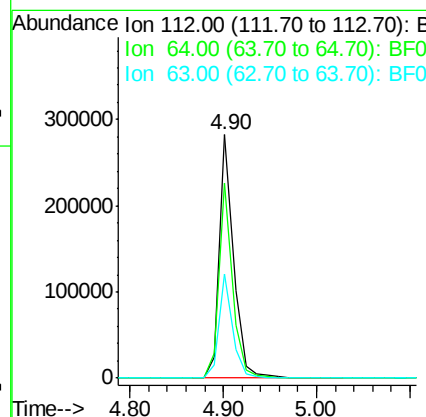
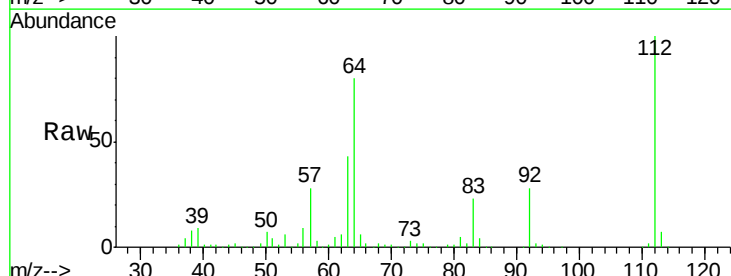
RT: 4.90 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.0	39.7	59.5#
63	42.6	17.4	26.0#





#7

Phenol-d6

Concen: 87.43 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081505.D

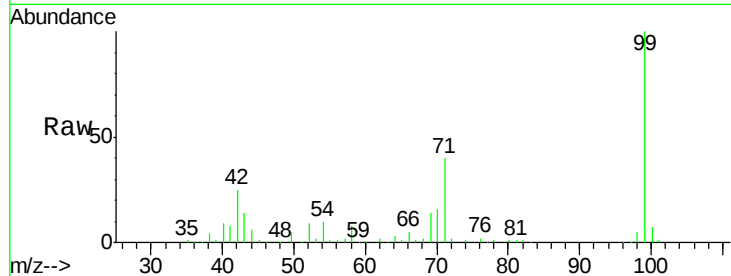
Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion: 99 Resp: 388759

Ion Ratio Lower Upper

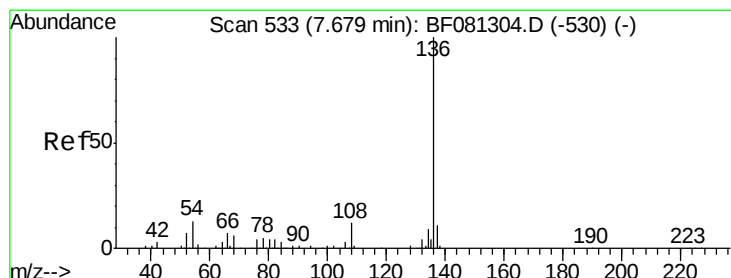
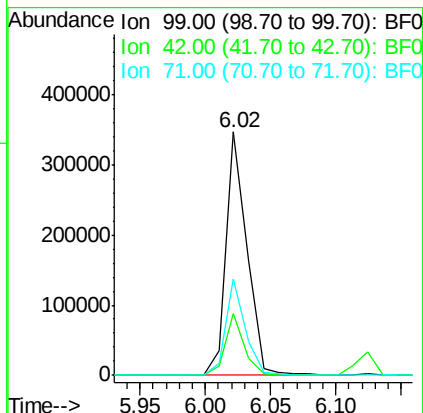
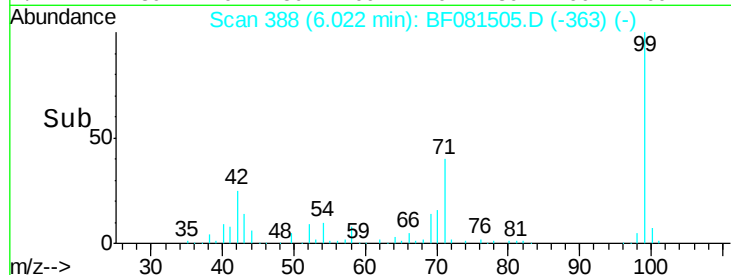
99 100

42 25.3 13.7 20.5#

71 39.6 14.2 21.2#

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion: 136 Resp: 203287

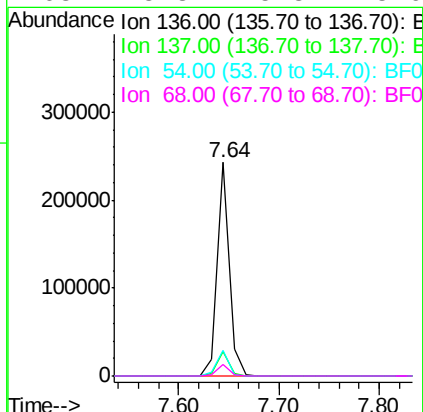
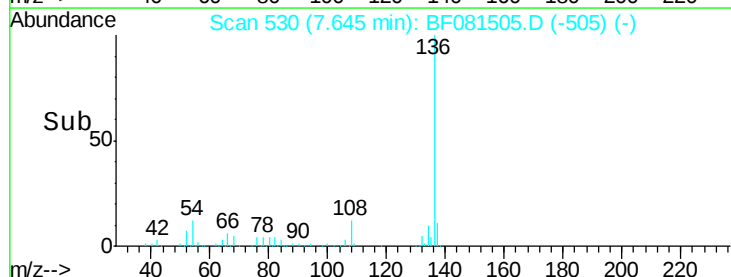
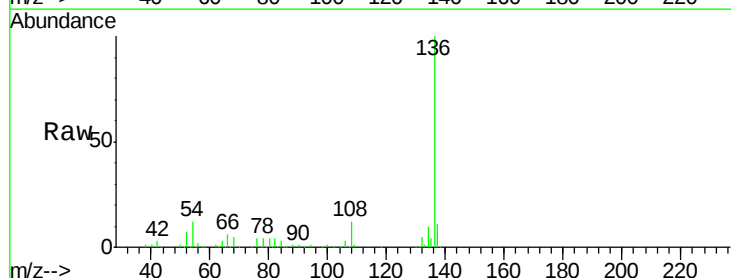
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.2 8.2 12.2

68 5.3 5.8 8.6#





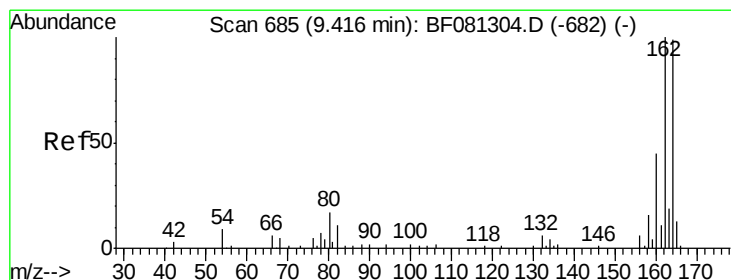
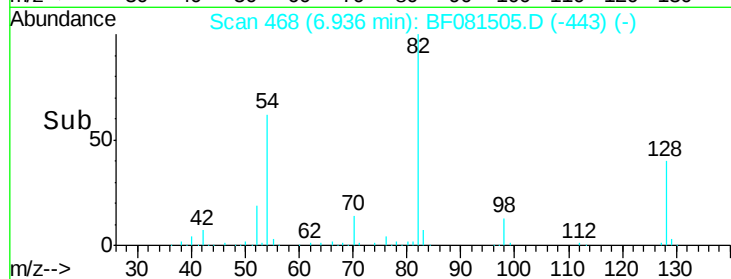
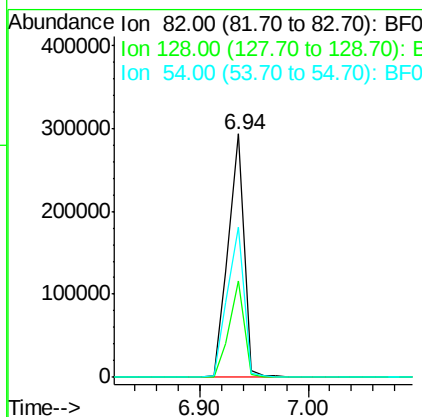
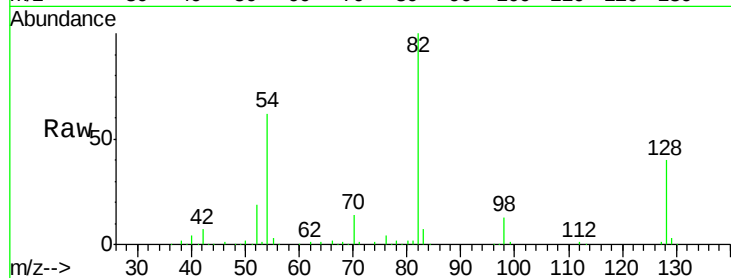
#23
 Nitrobenzene-d5
 Concen: 71.09 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	299548		
128	39.9	51.0	76.6#	
54	61.8	47.5	71.3	

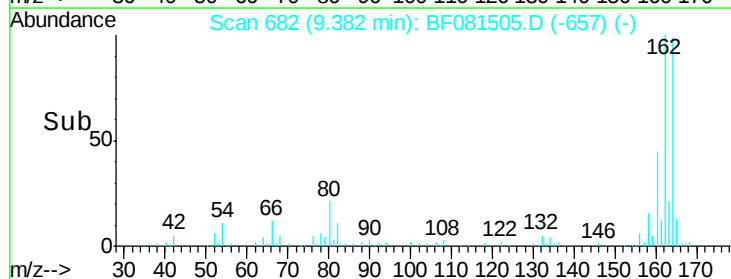
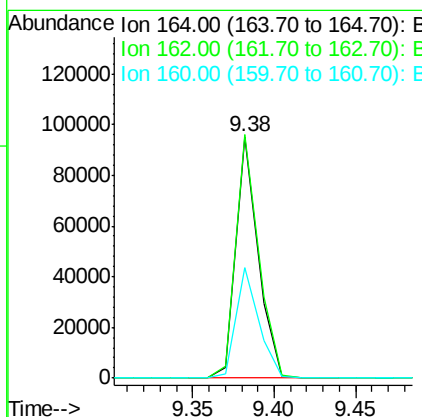
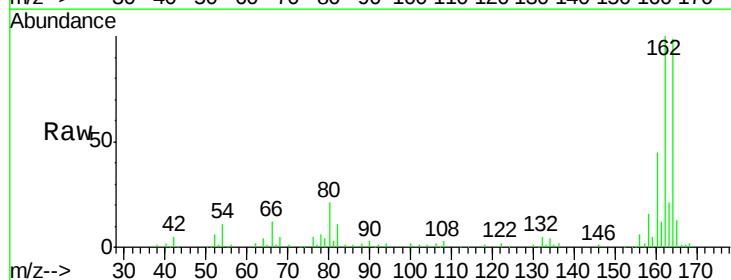
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

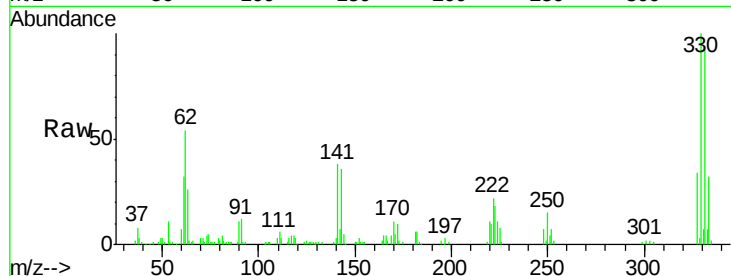
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89185		
162	101.0	75.2	112.8	
160	45.7	31.5	47.3	





#41
 2,4,6-Tribromophenol
 Concen: 96.91 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

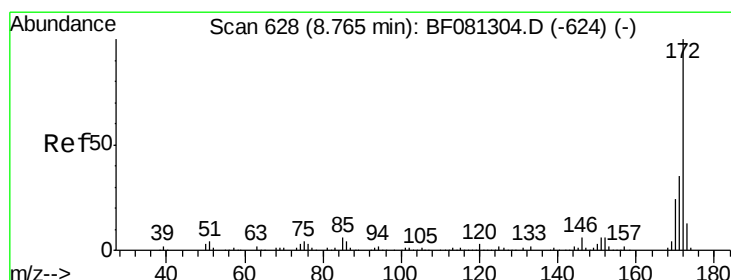
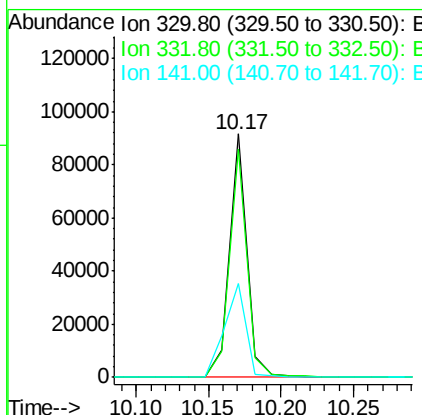
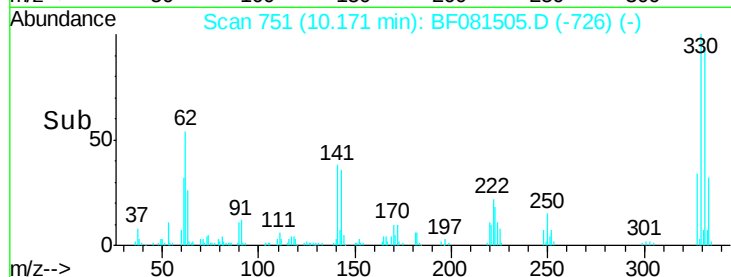
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



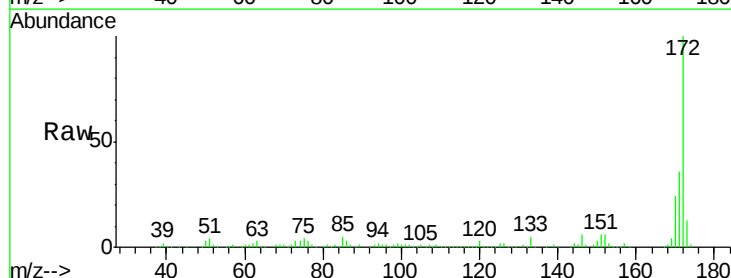
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	76955		
332	93.9	76.6	114.8	
141	47.5	29.7	44.5#	

Manual Integrations
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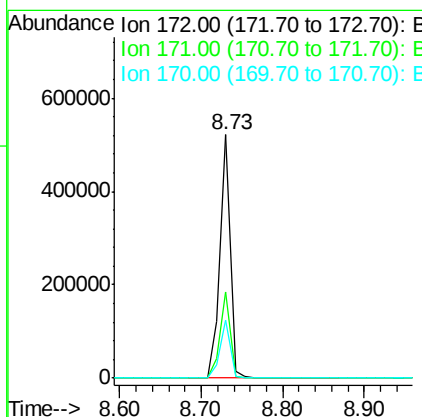
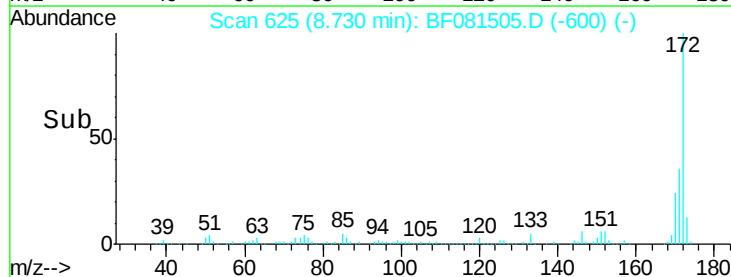
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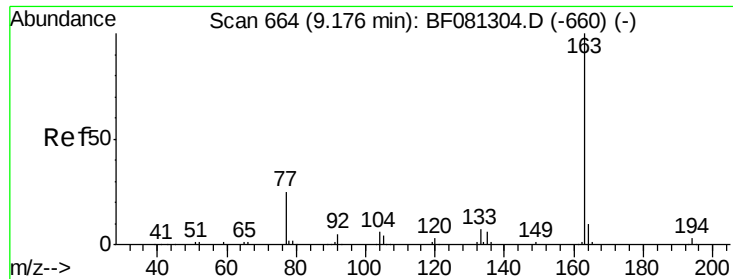


#44
 2-Fluorobiphenyl
 Concen: 65.66 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	456936		
171	35.5	26.1	39.1	
170	23.7	17.4	26.2	





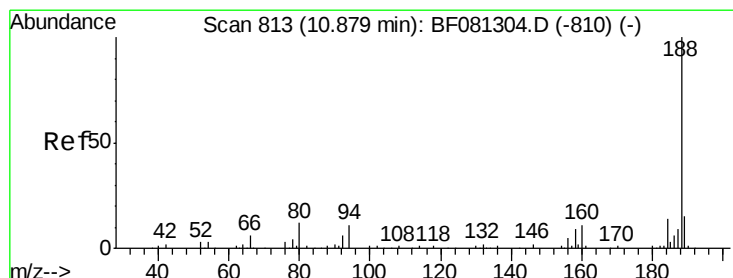
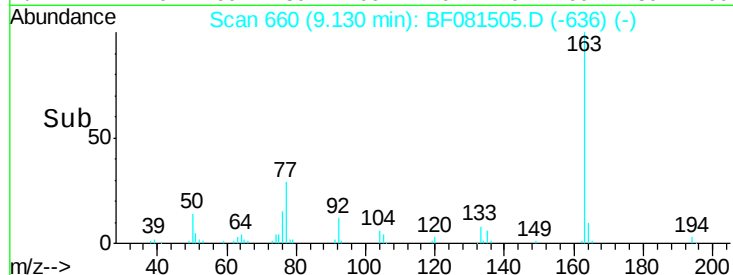
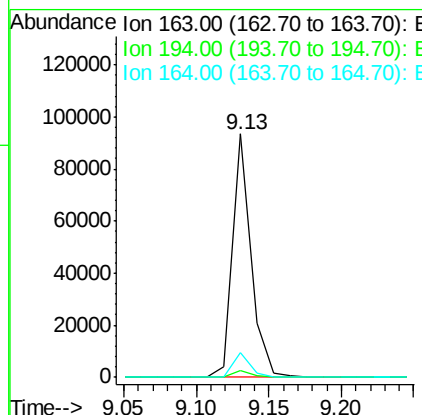
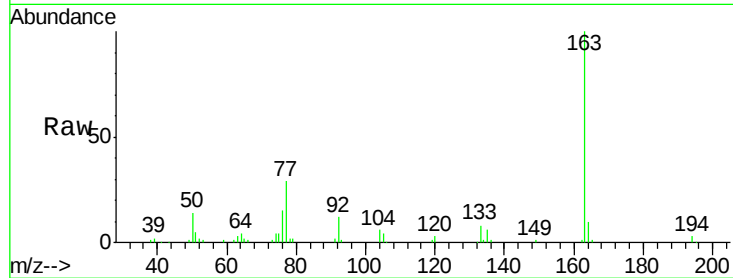
#49
Dimethylphthalate
Concen: 11.98 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:163 Resp: 82982
Ion Ratio Lower Upper
163 100
194 2.9 4.4 6.6#
164 10.4 8.3 12.5

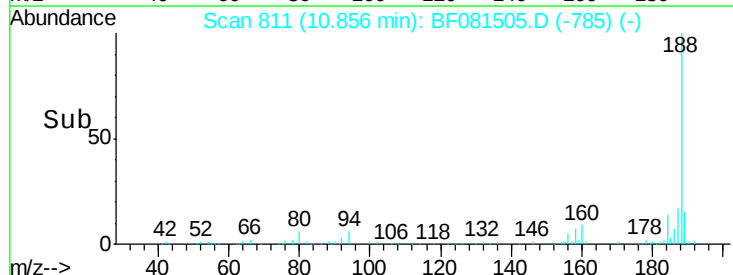
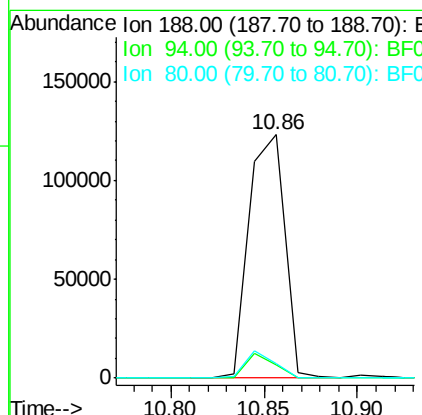
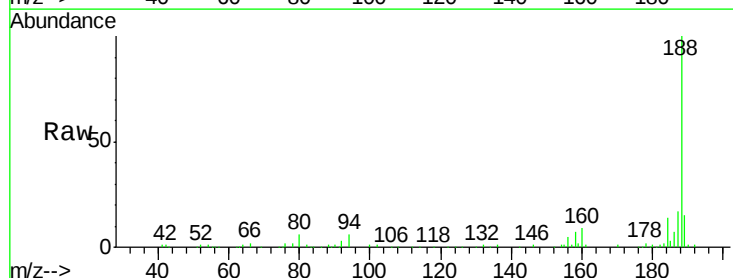
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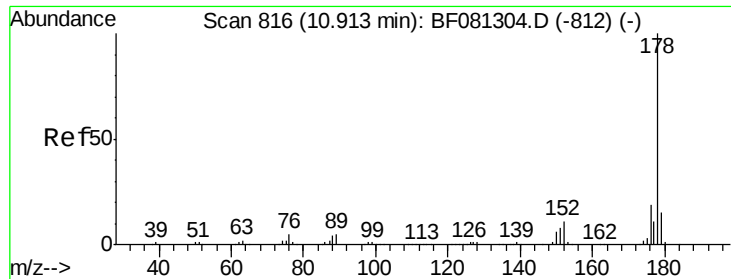
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

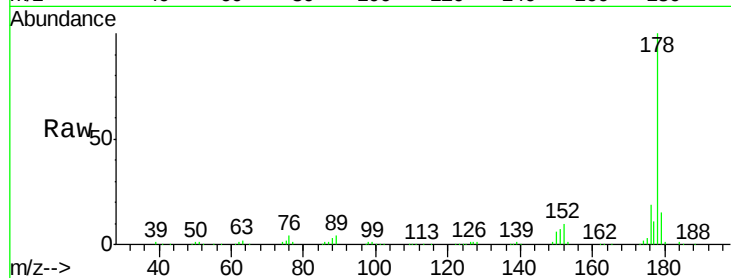
Tgt Ion:188 Resp: 163630
Ion Ratio Lower Upper
188 100
94 5.5 11.1 16.7#
80 5.7 11.0 16.4#





#70
Phenanthrene
Concen: 28.03 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

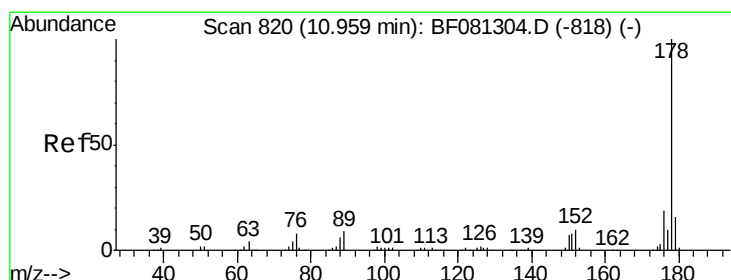
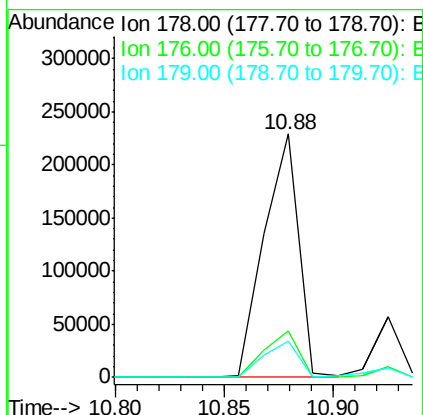
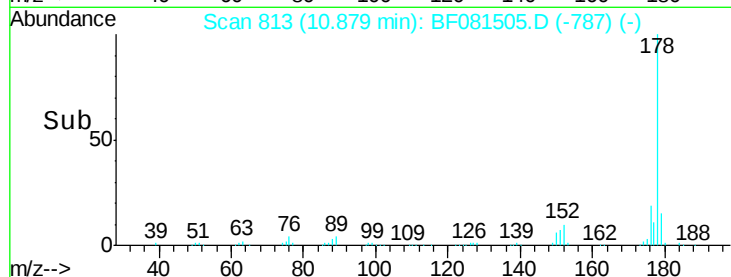
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	13.8	20.8
179	14.9	12.2	18.2

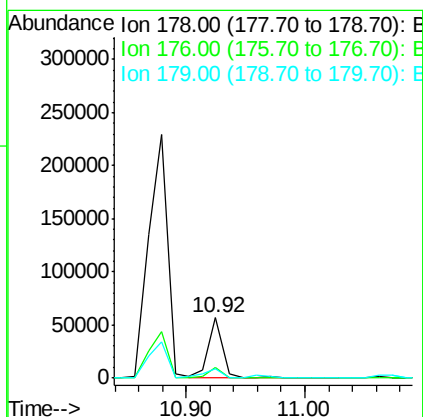
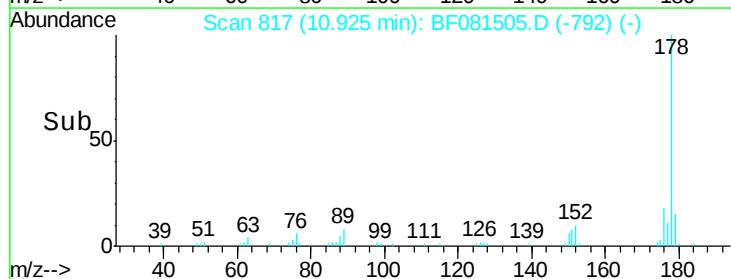
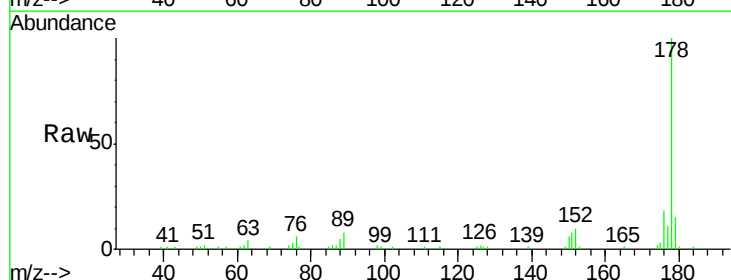
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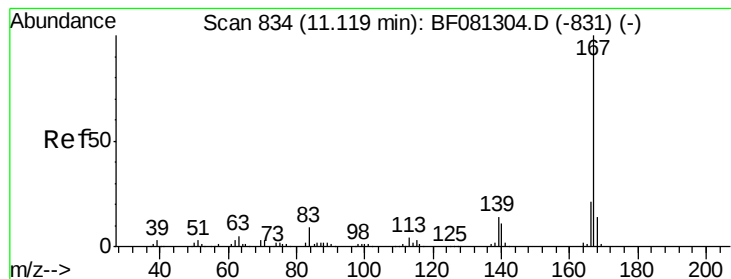
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#71
Anthracene
Concen: 5.36 ng
RT: 10.92 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.1	21.1
179	15.1	12.2	18.2





#72

Carbazole

Concen: 2.08 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF081505.D

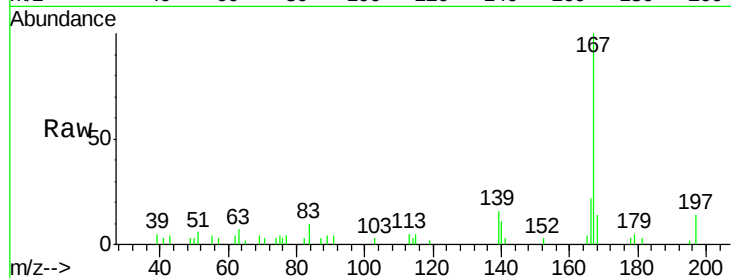
Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:167 Resp: 18267

Ion Ratio Lower Upper

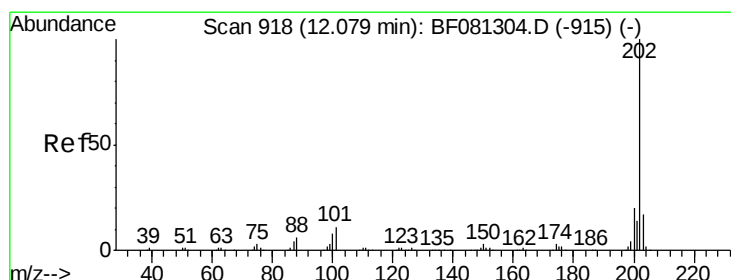
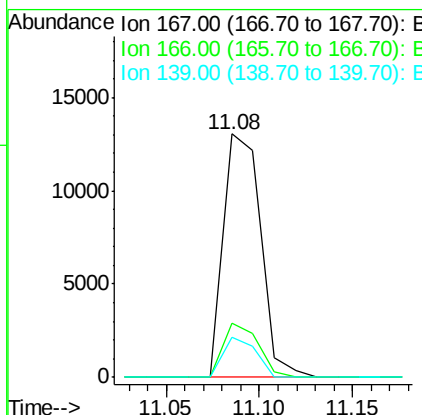
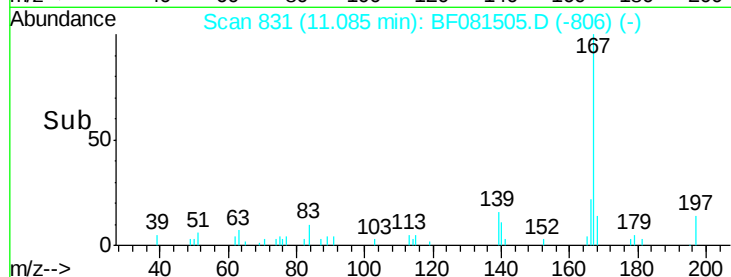
167 100

166 22.1 15.7 23.5

139 16.4 9.5 14.3#

Manual Integrations
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#74

Fluoranthene

Concen: 26.69 ng

RT: 12.05 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

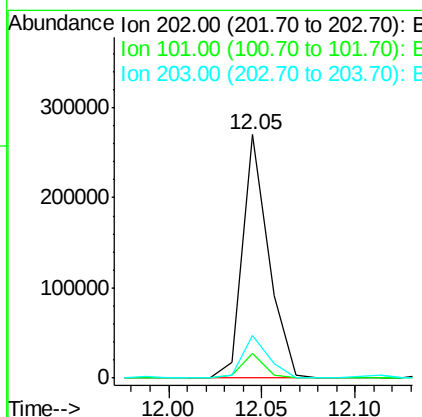
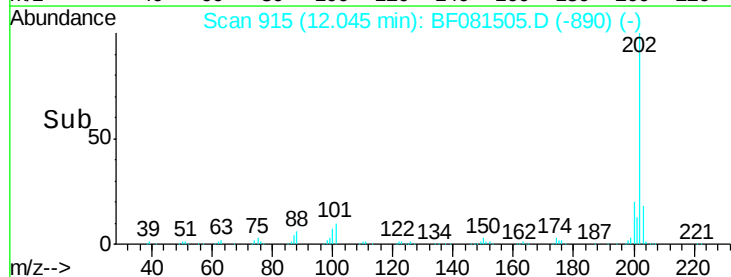
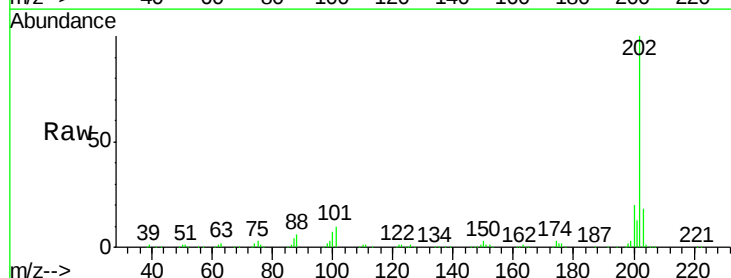
Tgt Ion:202 Resp: 262818

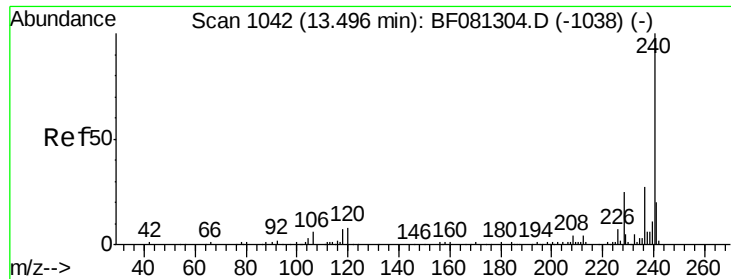
Ion Ratio Lower Upper

202 100

101 10.3 0.0 38.3

203 17.6 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.46 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

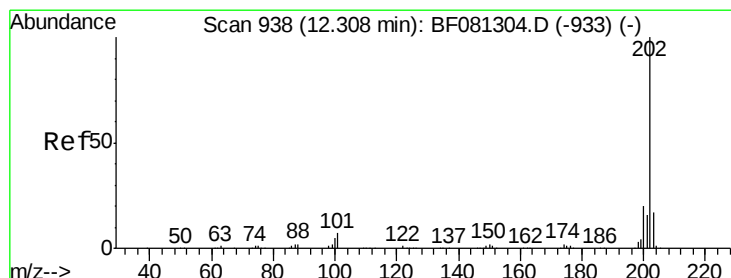
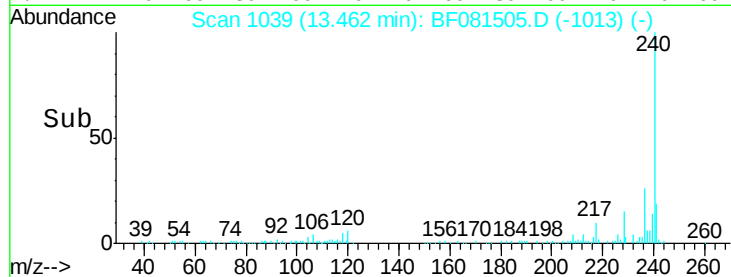
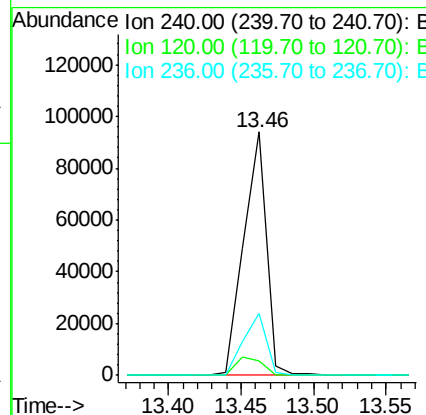
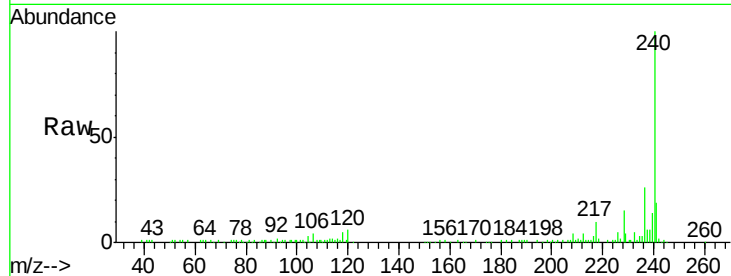
ClientSampleId :

COMP-1

Tgt Ion:	240	Resp:	102135
Ion Ratio	Lower	Upper	
240	100		
120	6.0	16.2	24.2#
236	25.6	18.4	27.6

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#77

Pyrene

Concen: 35.10 ng

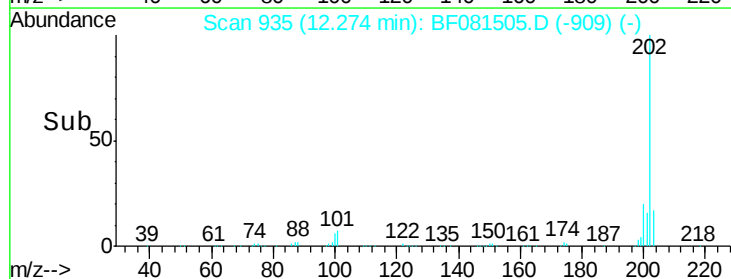
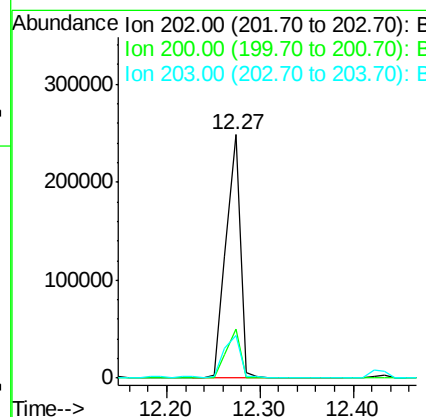
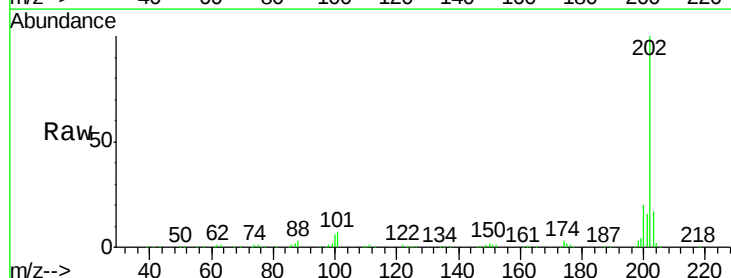
RT: 12.27 min Scan# 935

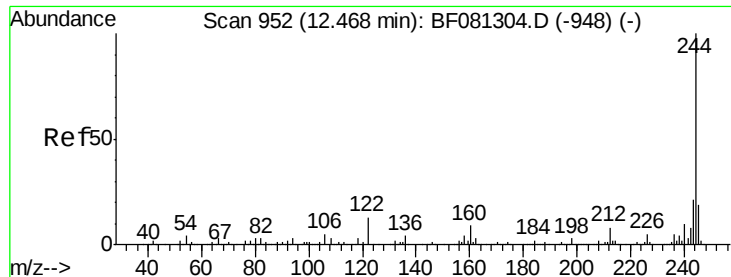
Delta R.T. 0.00 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion:	202	Resp:	265529
Ion Ratio	Lower	Upper	
202	100		
200	20.3	15.0	22.4
203	17.5	14.1	21.1





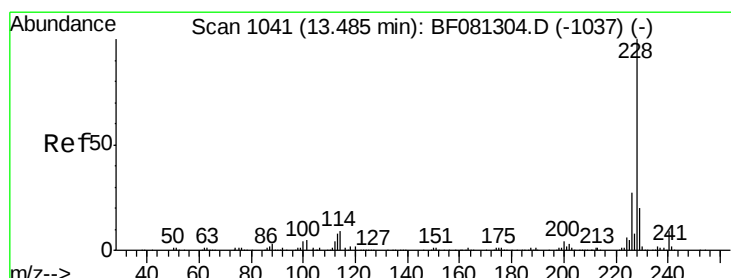
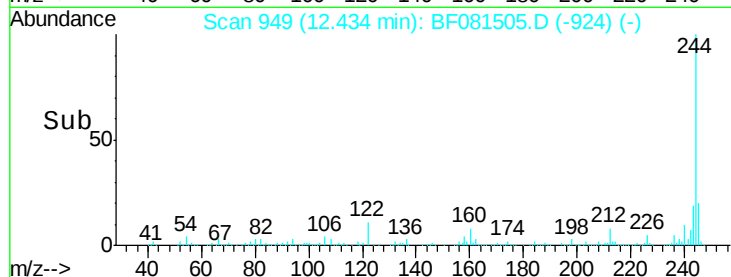
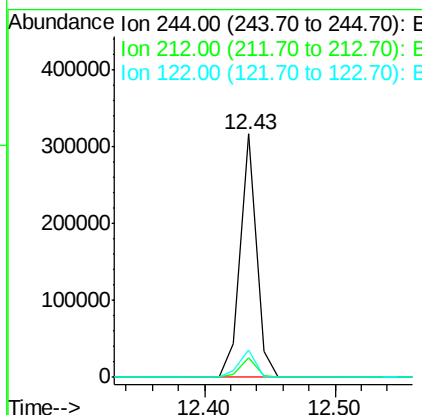
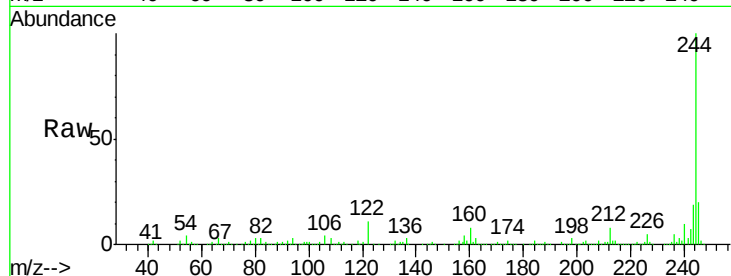
#78
 Terphenyl-d14
 Concen: 62.17 ng
 RT: 12.43 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	4.3	6.5#
122	11.5	17.4	26.2#

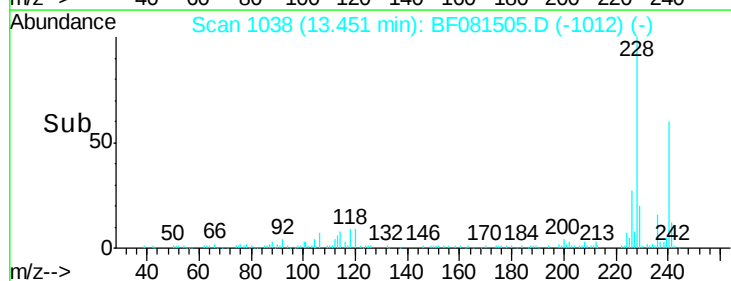
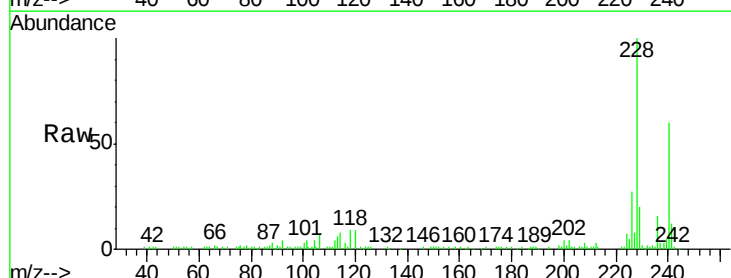
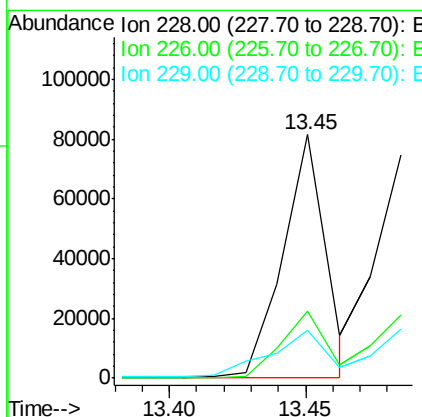
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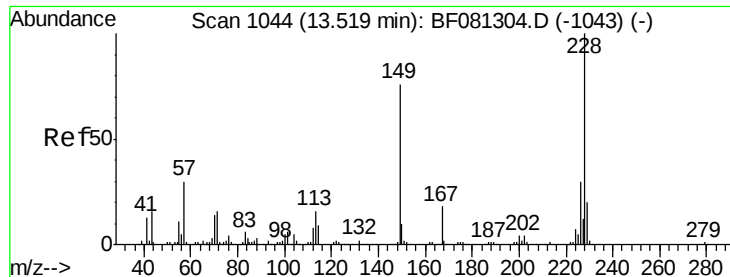
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#80
 Benzo(a)anthracene
 Concen: 13.62 ng m
 RT: 13.45 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.3	20.0	30.0
229	19.7	15.4	23.2





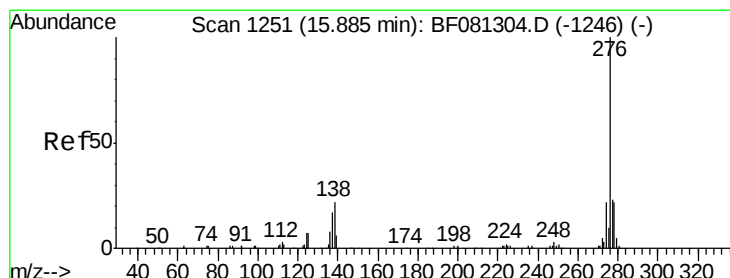
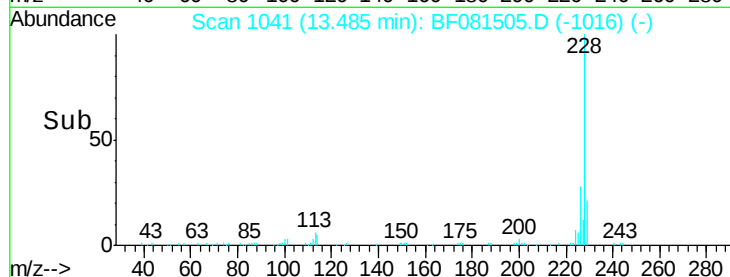
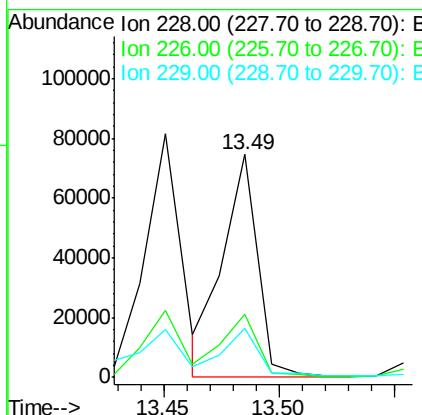
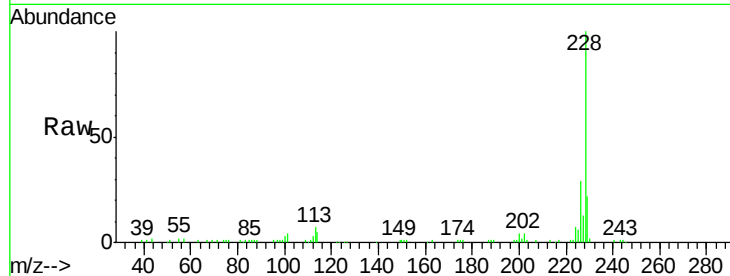
#82
Chrysene
Concen: 13.58 ng m
RT: 13.49 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampled :
COMP-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.0	31.4
229	21.7	15.6	23.4

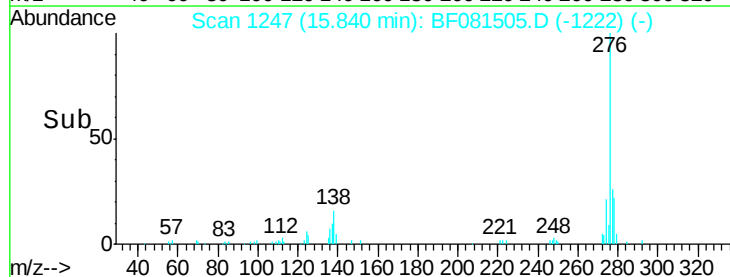
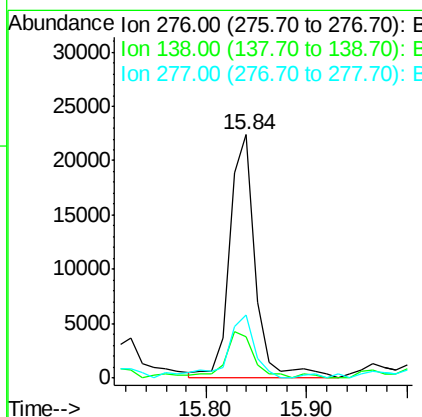
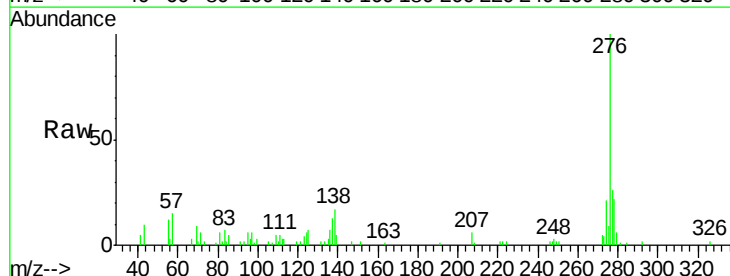
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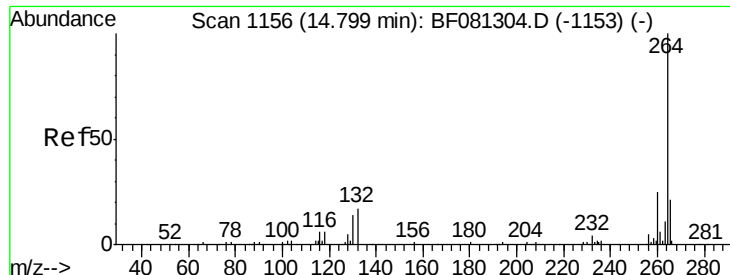
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.29 ng
RT: 15.84 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.7	38.5#
277	28.7	15.6	23.4#





#86

Perylene-d12

Concen: 20.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF081505.D

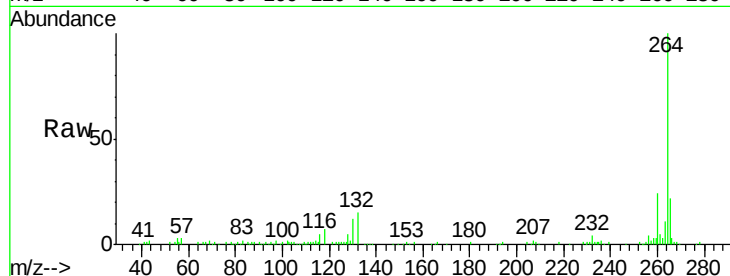
Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

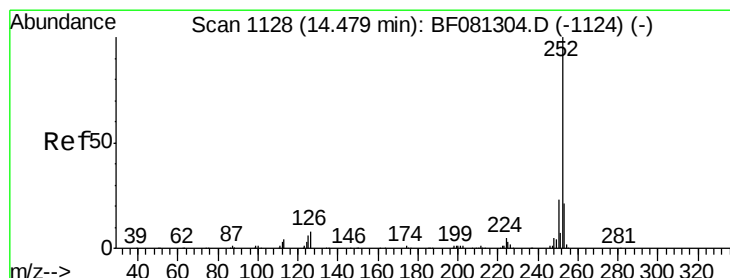
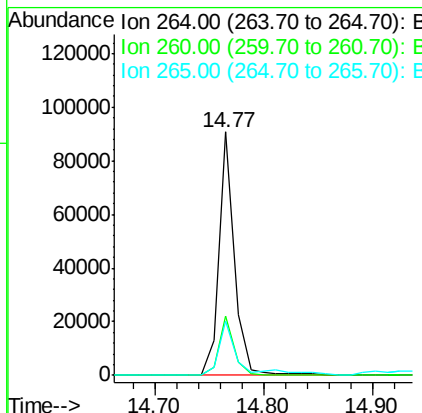
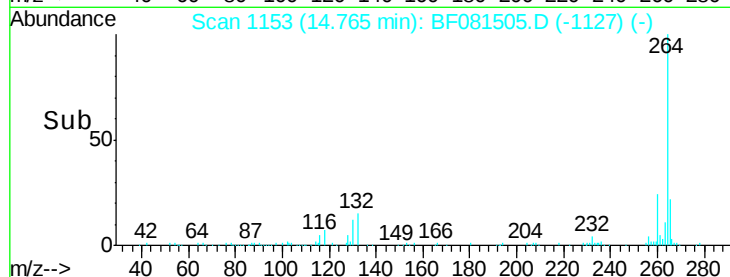
COMP-1



Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	22.4	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 15.24 ng m

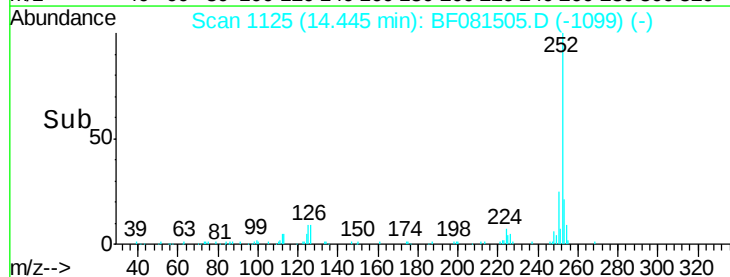
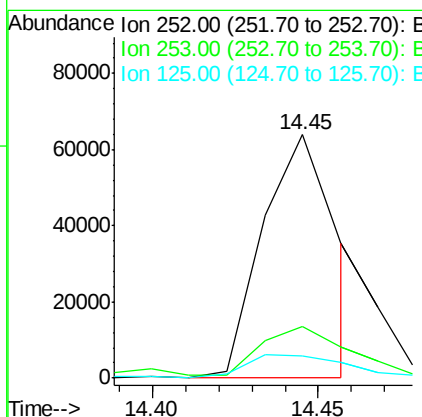
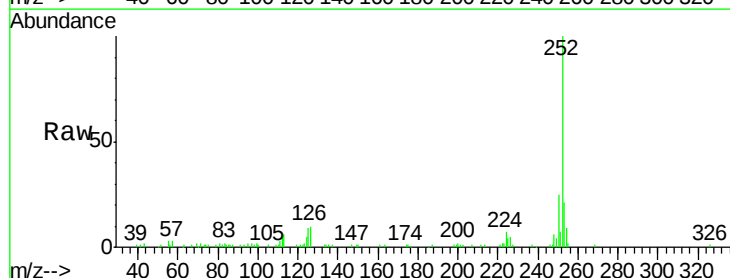
RT: 14.45 min Scan# 1125

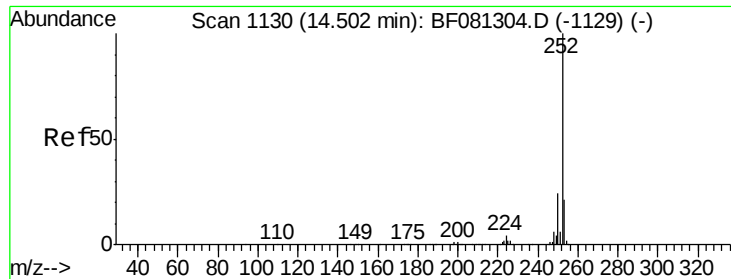
Delta R.T. 0.00 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	9.3	17.1	25.7#





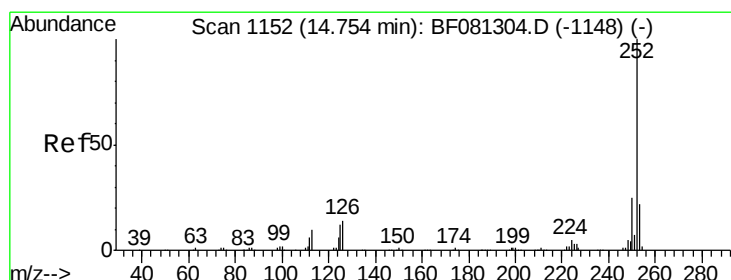
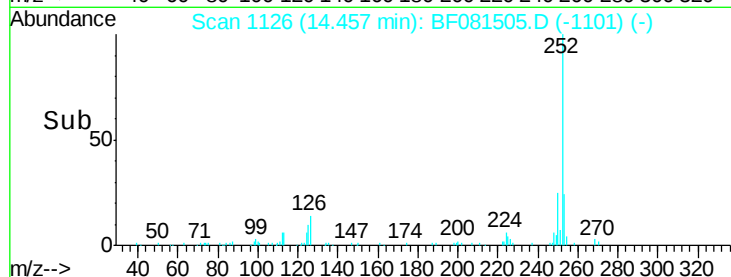
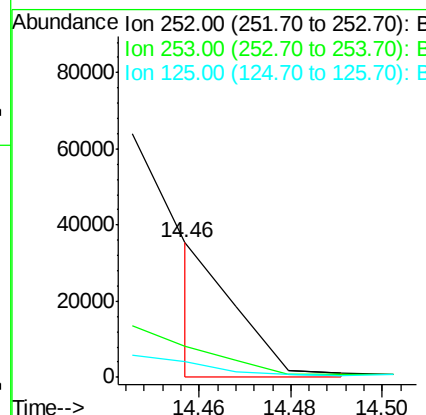
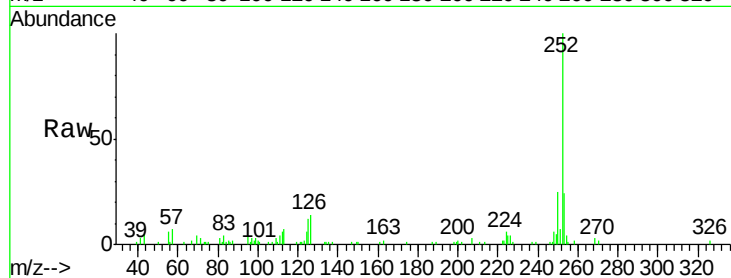
#88
Benzo(k)fluoranthene
Concen: 2.73 ng m
RT: 14.46 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	11.9	16.0	24.0

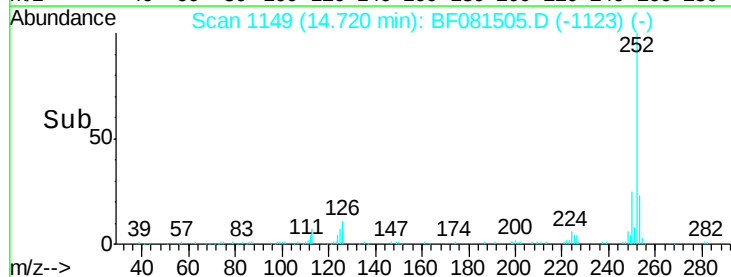
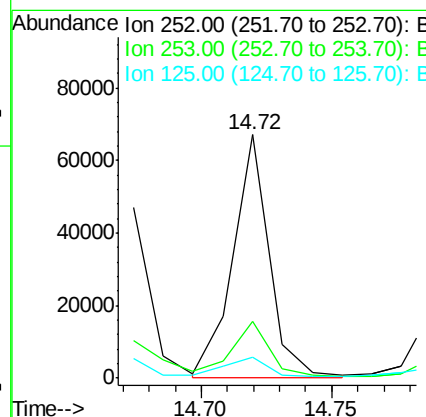
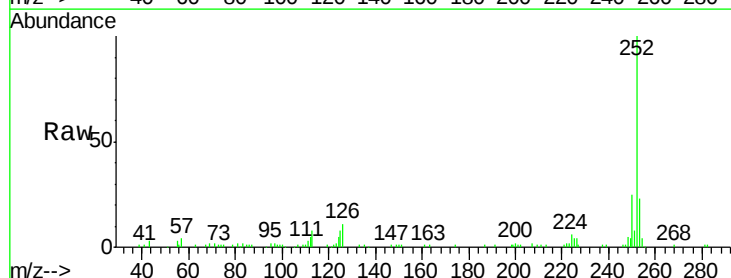
Manual Integrations
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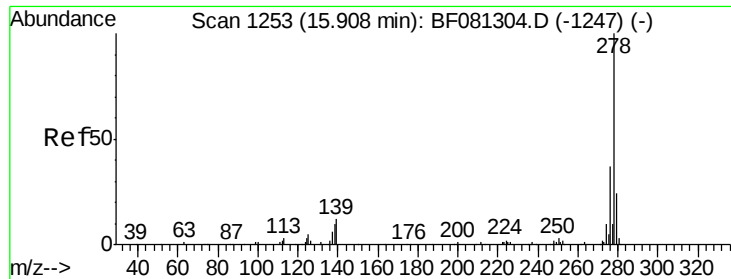
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#89
Benzo(a)pyrene
Concen: 11.94 ng
RT: 14.72 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	8.4	18.0	27.0





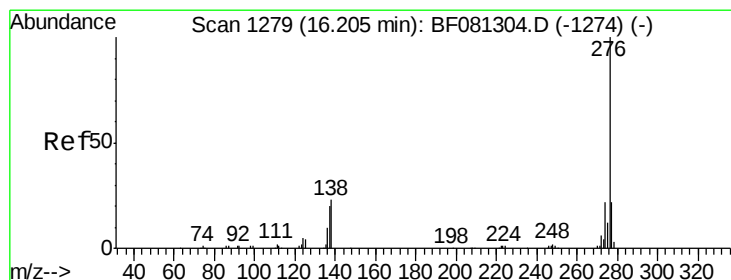
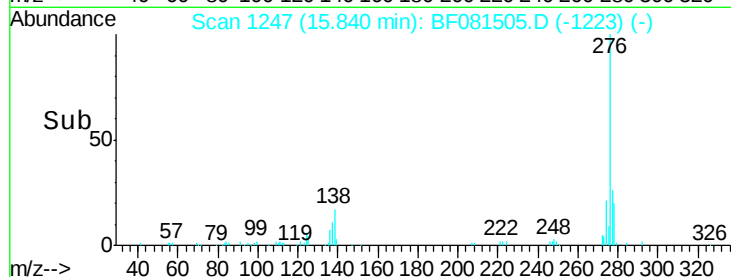
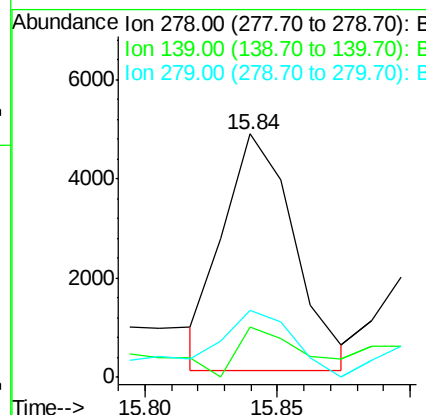
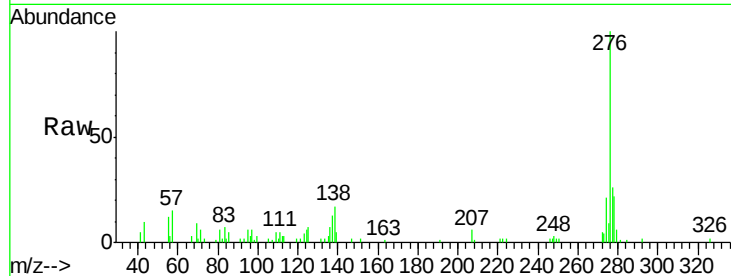
#90
Dibenzo(a,h)anthracene
Concen: 2.12 ng m
RT: 15.84 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	26.3	39.5#
279	27.5	18.2	27.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.52 ng
RT: 16.15 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.8	26.6
138	22.4	34.6	51.8#

