

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
 Data File : BF081417.D
 Acq On : 4 Sep 2015 12:32
 Operator : UM/IZ
 Sample : G3491-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Manual Integrations
 APPROVED

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 9/4/2015 3:47:50 PM

Quant Time: Sep 04 13:49:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	52177	20.00	ng	-0.02
21) Naphthalene-d8	7.66	136	209521	20.00	ng	-0.02
38) Acenaphthene-d10	9.39	164	90141	20.00	ng	-0.02
63) Phenanthrene-d10	10.87	188	162494	20.00	ng	-0.01
75) Chrysene-d12	13.47	240	112165	20.00	ng	-0.02
86) Perylene-d12	14.78	264	88907	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	526907	156.68	ng	0.00
7) Phenol-d6	6.04	99	678990	152.53	ng	-0.01
23) Nitrobenzene-d5	6.95	82	437141	100.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.18	330	118945	148.20	ng	-0.02
44) 2-Fluorobiphenyl	8.74	172	600475	85.37	ng	-0.02
78) Terphenyl-d14	12.45	244	393188	81.60	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.14	163	99058	14.14	ng	# 97
70) Phenanthrene	10.89	178	35289	3.91	ng	97
74) Fluoranthene	12.06	202	59187	6.05	ng	89
77) Pyrene	12.27	202	45316m	5.45	ng	
80) Benzo(a)anthracene	13.46	228	29426	4.12	ng	# 92
82) Chrysene	13.50	228	14149m	2.21	ng	
85) Indeno(1,2,3-cd)pyrene	15.86	276	9786	2.08	ng	# 87
87) Benzo(b)fluoranthene	14.46	252	27857m	4.39	ng	
89) Benzo(a)pyrene	14.73	252	16375	3.04	ng	# 87
91) Benzo(g,h,i)perylene	16.17	276	8262	2.08	ng	# 79

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

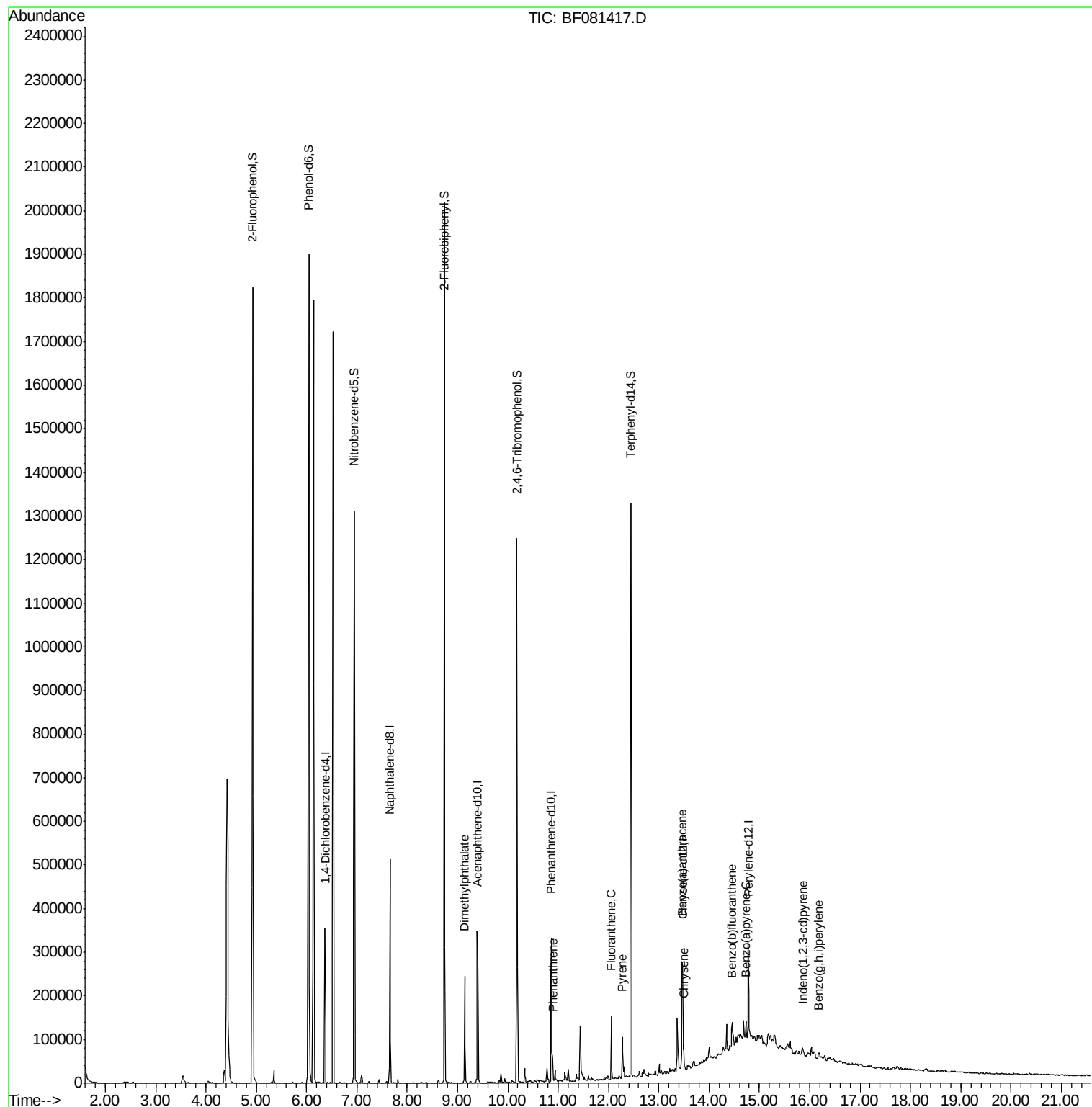
Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
Data File : BF081417.D
Acq On : 4 Sep 2015 12:32
Operator : UM/IZ
Sample : G3491-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Manual Integrations
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Quant Time: Sep 04 13:49:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration





#1

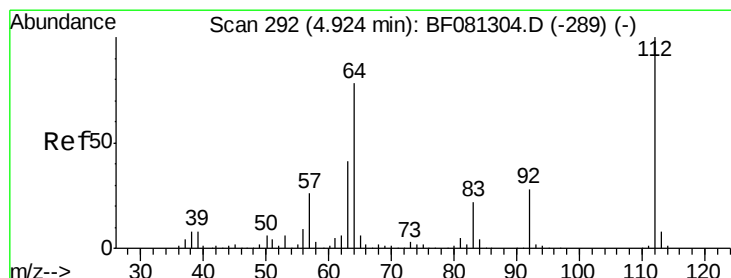
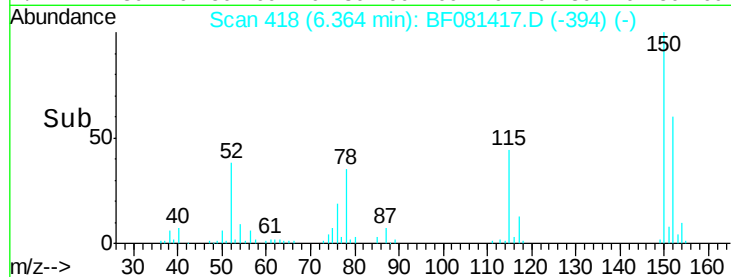
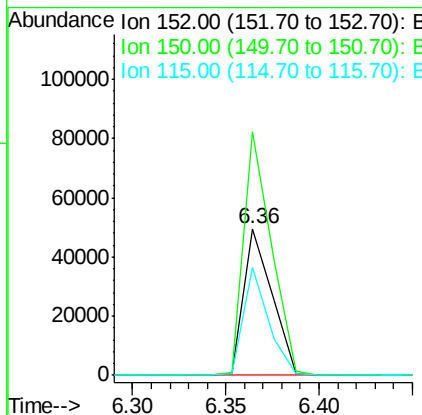
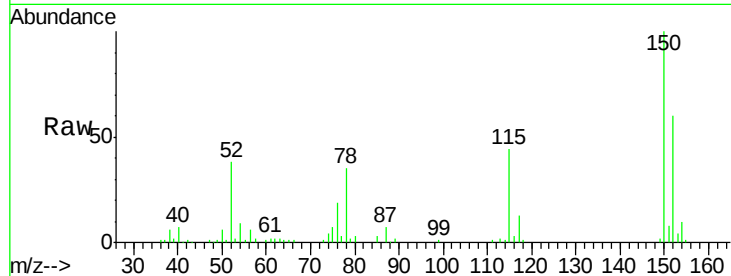
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.1	124.7	187.1
115	73.4	39.0	58.4

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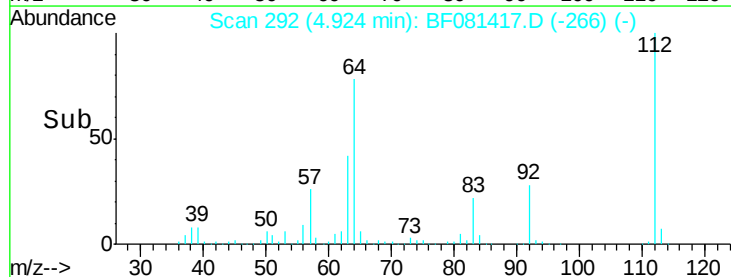
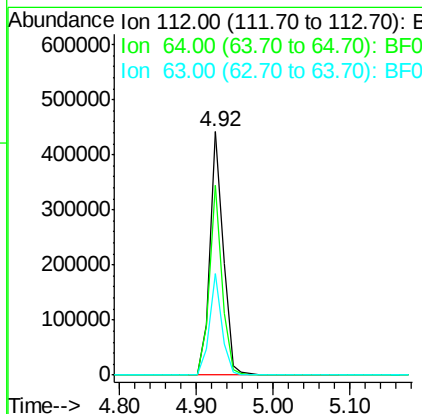
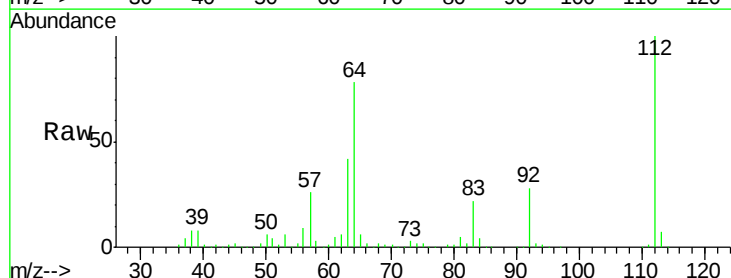
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#5

2-Fluorophenol
Concen: 156.68 ng
RT: 4.92 min Scan# 292
Delta R.T. 0.00 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.1	39.7	59.5
63	41.6	17.4	26.0





#7

Phenol-d6

Concen: 152.53 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

Tot Ion: 99 Resp: 678990

Ion Ratio Lower Upper

99 100

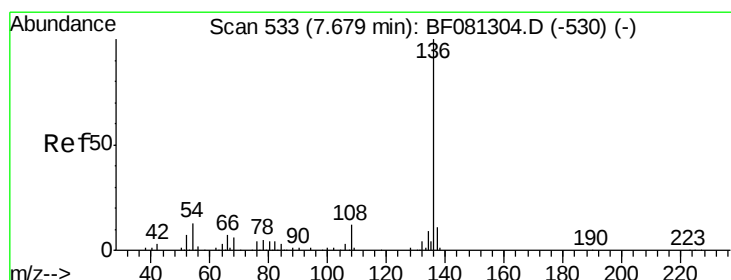
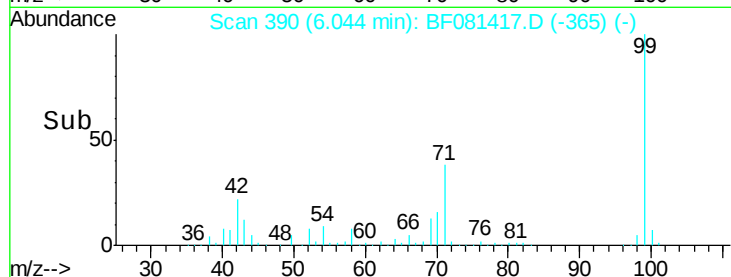
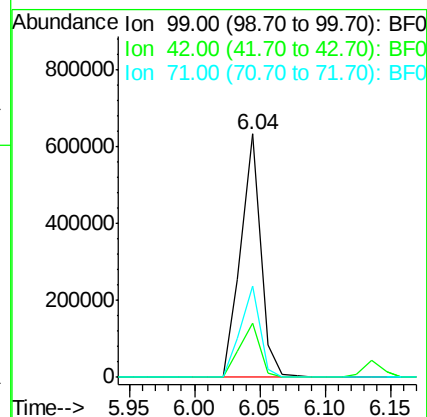
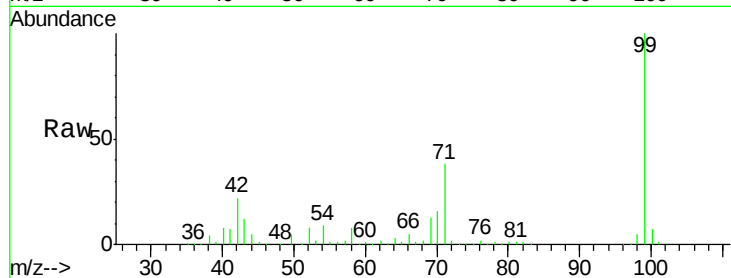
42 22.1 13.7 20.5#

71 37.5 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Tgt Ion: 136 Resp: 209521

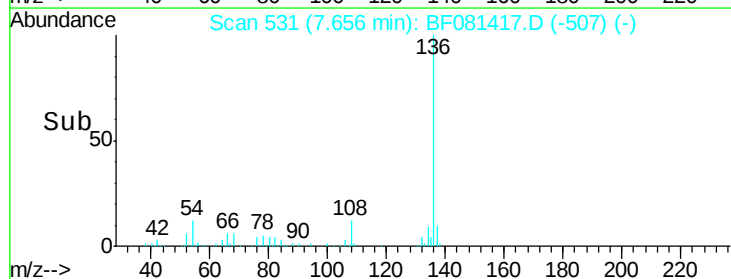
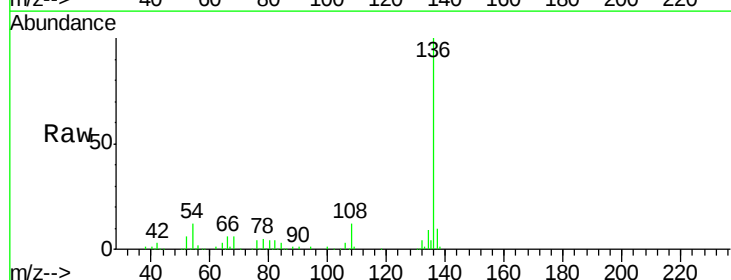
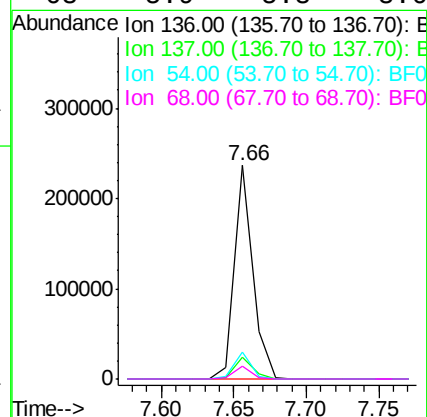
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 12.4 8.2 12.2#

68 5.9 5.8 8.6





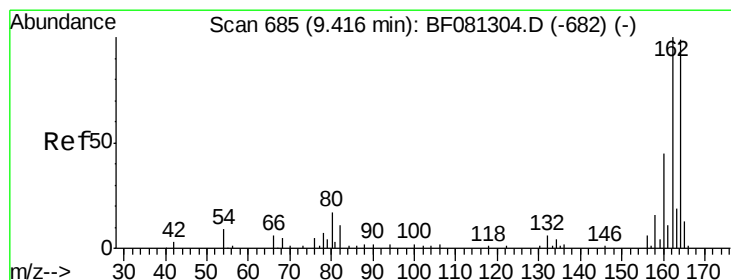
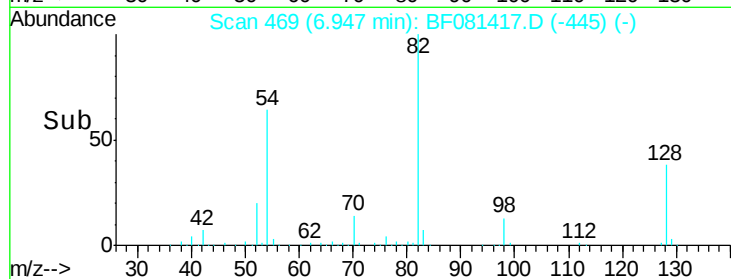
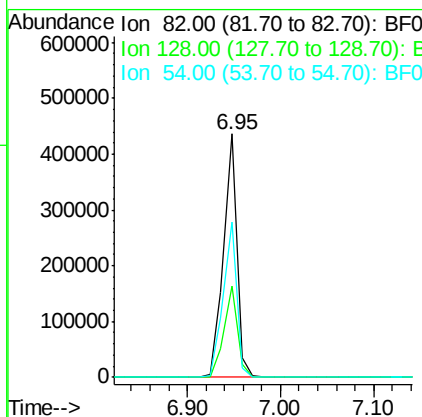
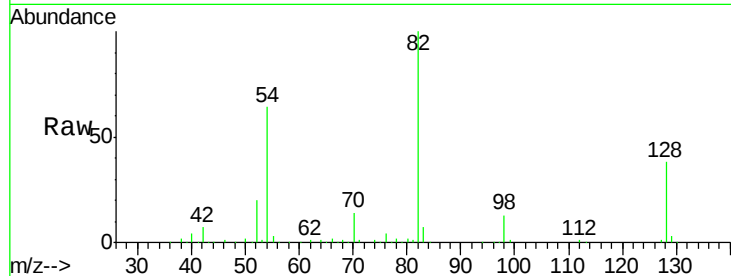
#23
 Nitrobenzene-d5
 Concen: 100.66 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.7	51.0	76.6#
54	63.8	47.5	71.3

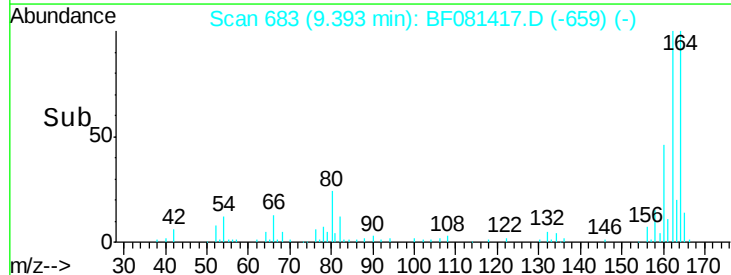
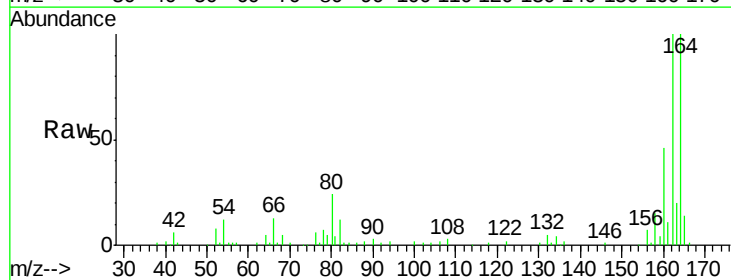
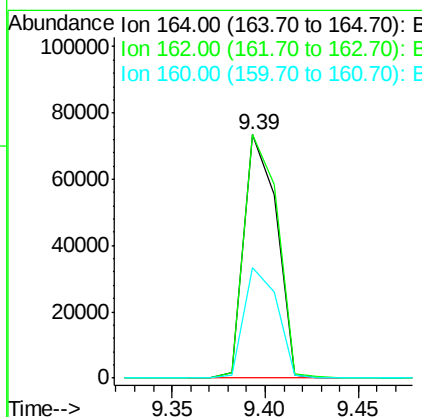
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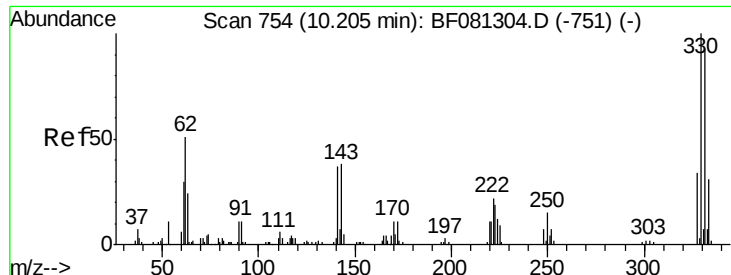
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	75.2	112.8
160	45.6	31.5	47.3





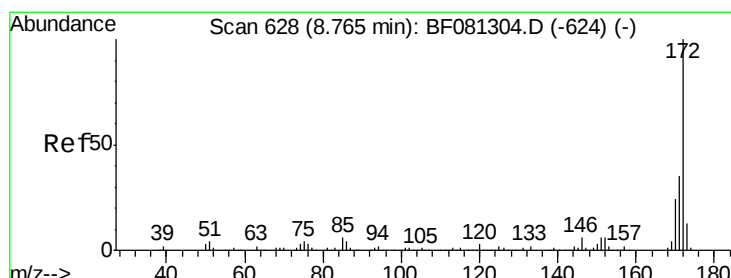
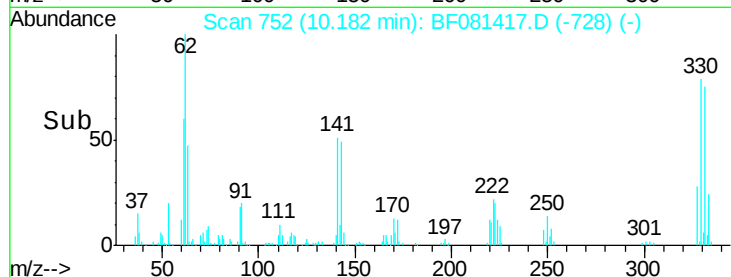
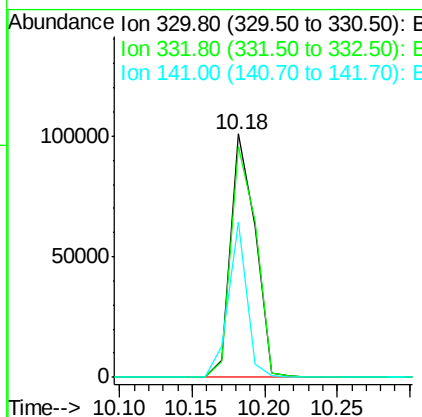
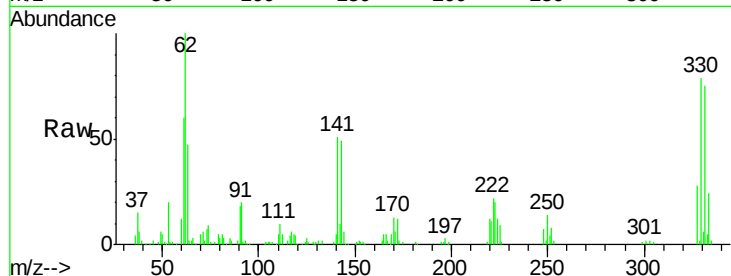
#41
 2,4,6-Tribromophenol
 Concen: 148.20 ng
 RT: 10.18 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	118945		
332	98.1	76.6	114.8	
141	48.2	29.7	44.5#	

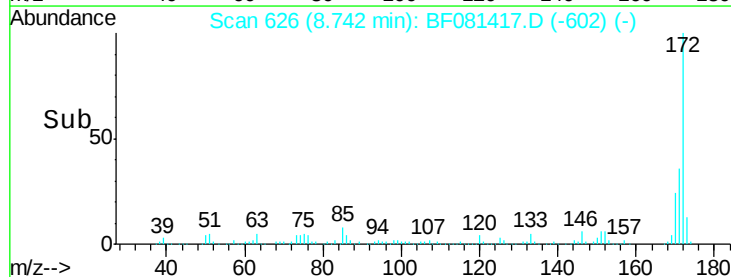
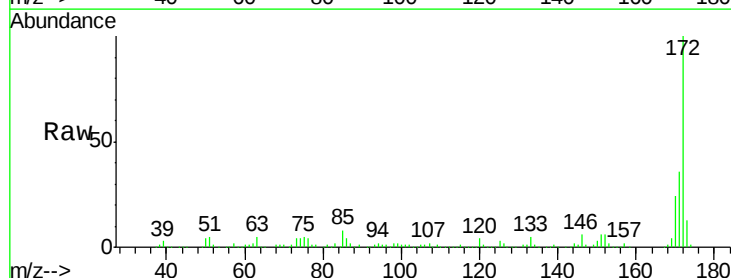
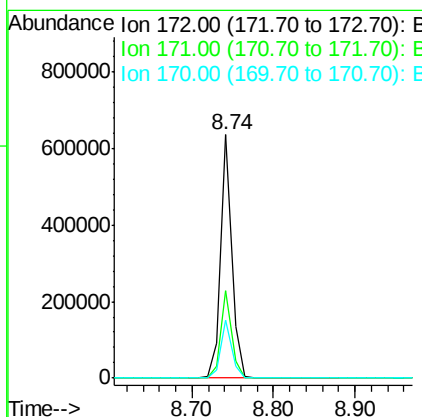
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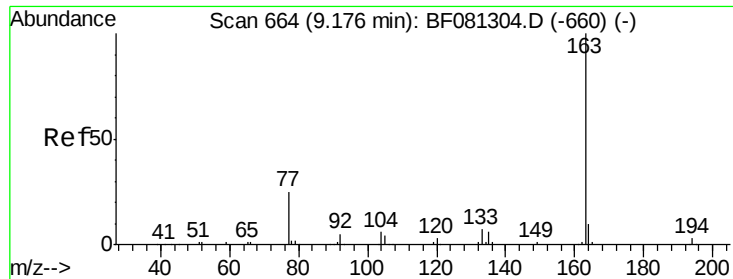
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#44
 2-Fluorobiphenyl
 Concen: 85.37 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	600475		
171	35.9	26.1	39.1	
170	23.7	17.4	26.2	





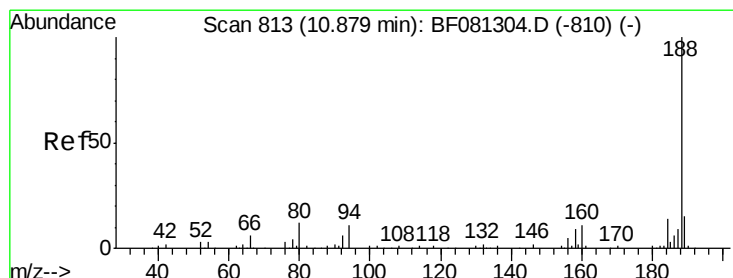
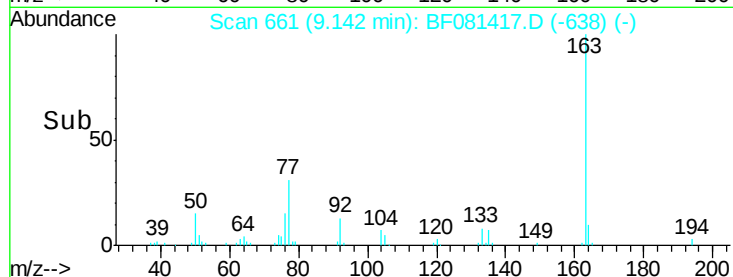
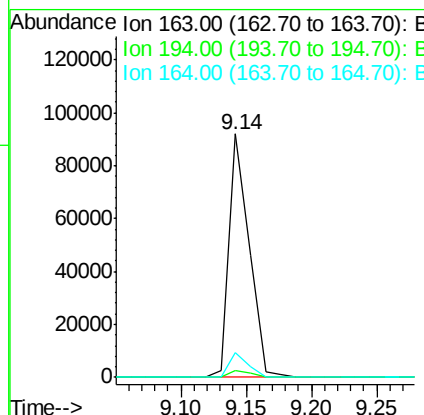
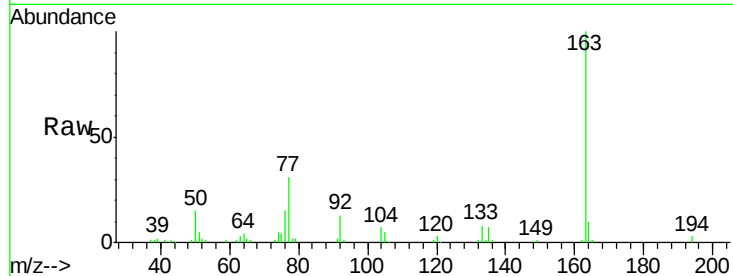
#49
Dimethylphthalate
Concen: 14.14 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	99058		
194	2.6		4.4	6.6#
164	10.4		8.3	12.5

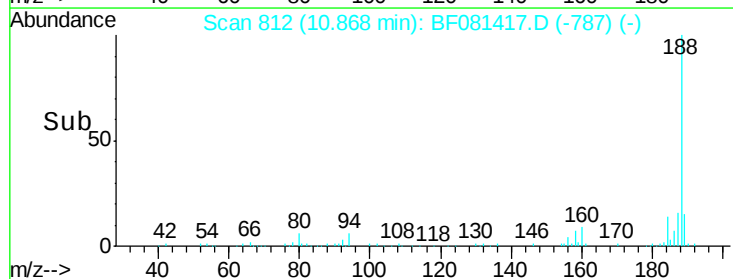
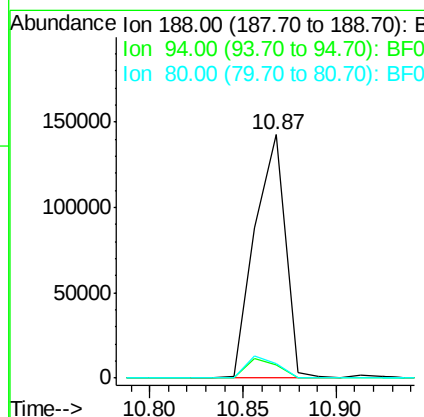
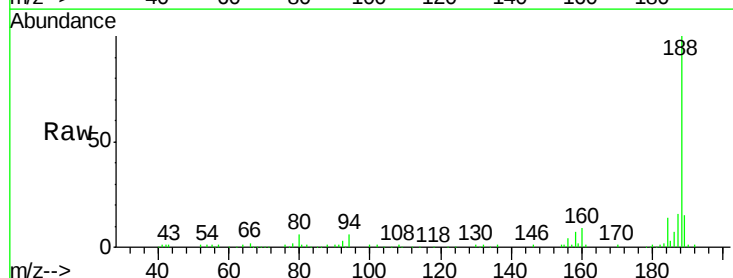
Manual Integrations
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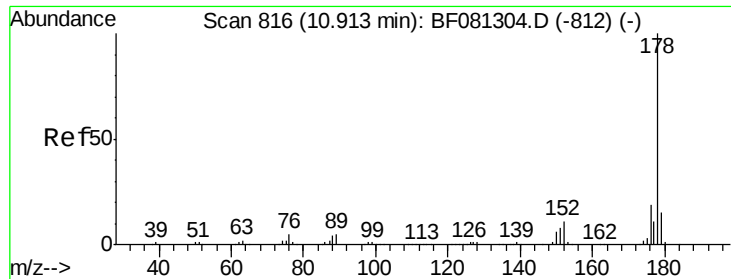
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	162494		
94	5.6		11.1	16.7#
80	5.7		11.0	16.4#





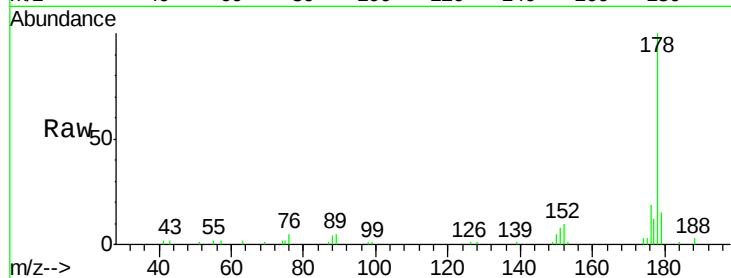
#70
Phenanthrene
Concen: 3.91 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

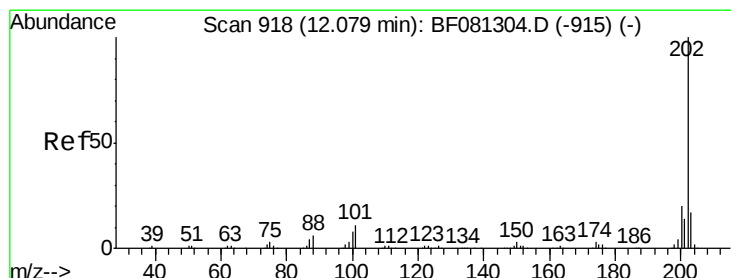
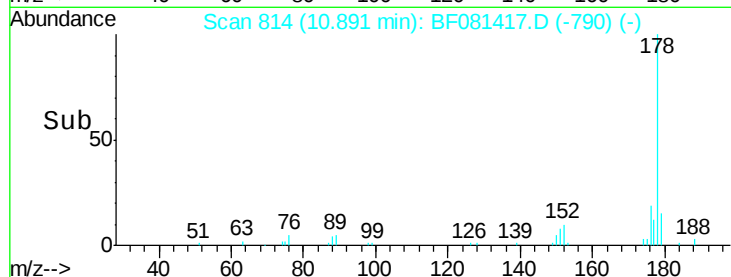
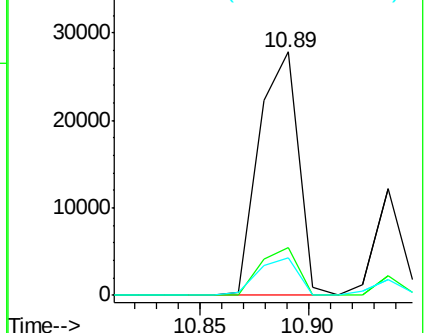
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	13.8	20.8
179	15.4	12.2	18.2

Manual Integrations
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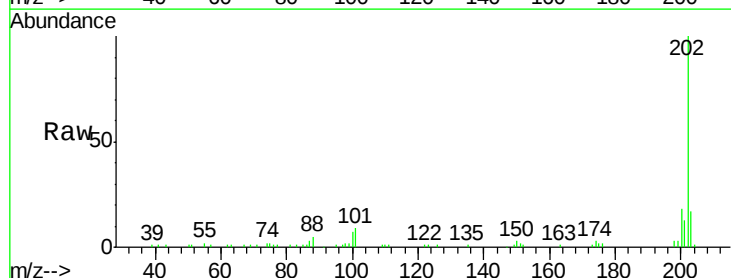


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

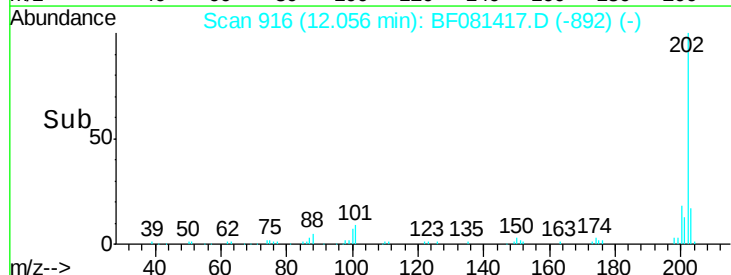
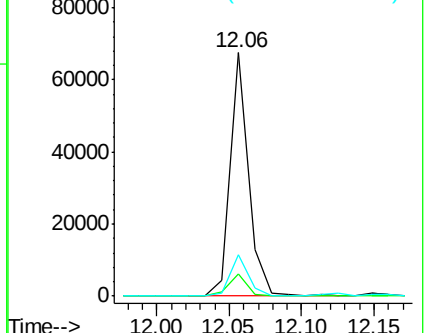


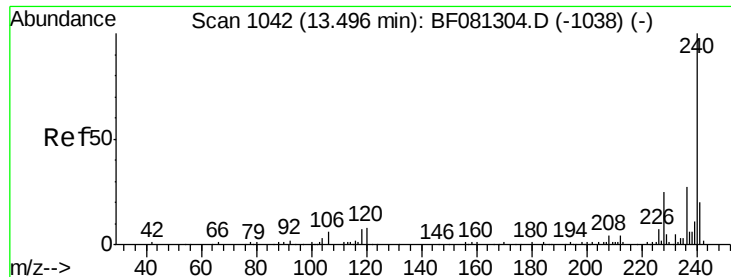
#74
Fluoranthene
Concen: 6.05 ng
RT: 12.06 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	38.3
203	16.7	0.0	37.3



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: 20.00 ng

RT: 13.47 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

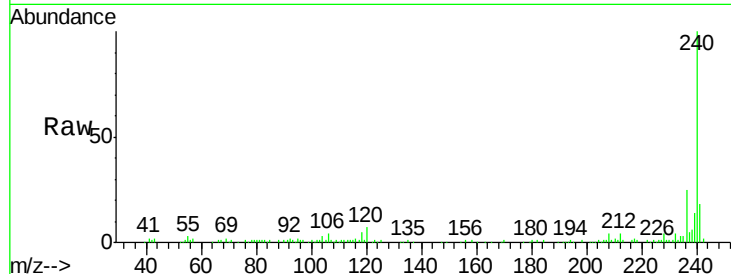
ClientSampleId :

FK-EF-01-004-ABCD

Tot Ion:	240	Resp:	112165
Ion Ratio	Lower	Upper	
240	100		
120	6.7	16.2	24.2#
236	25.1	18.4	27.6

Manual Integrations
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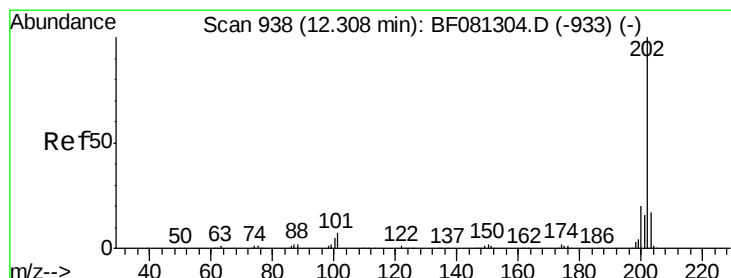
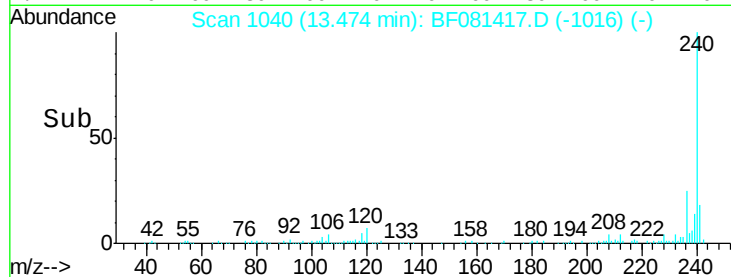
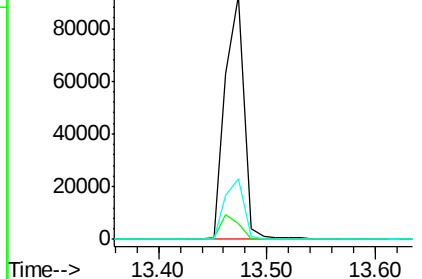
MMDadoda
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.45 ng m

RT: 12.27 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF081417.D

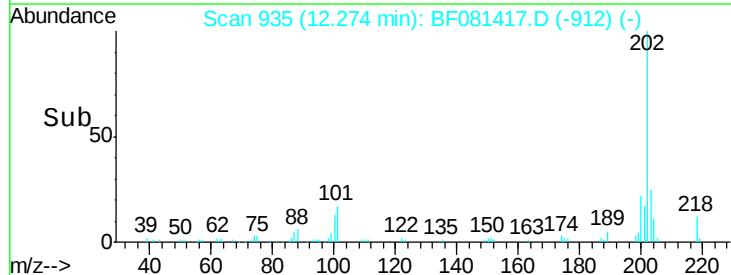
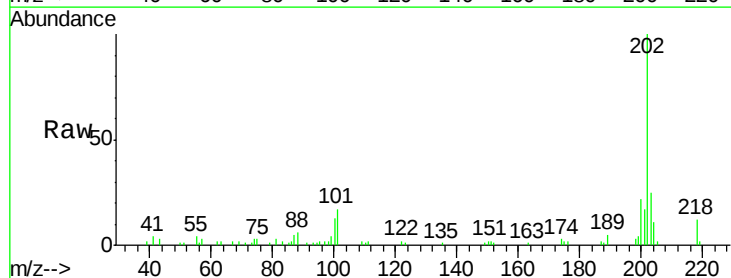
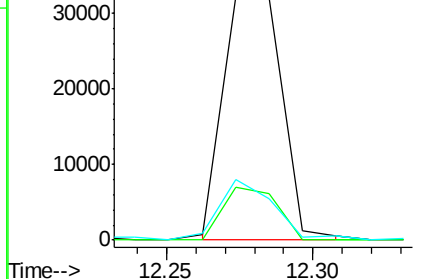
Acq: 4 Sep 2015 12:32

Tgt Ion:	202	Resp:	45316
Ion Ratio	Lower	Upper	
202	100		
200	21.7	15.0	22.4
203	24.8	14.1	21.1#

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: 81.60 ng

RT: 12.45 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF081417.D

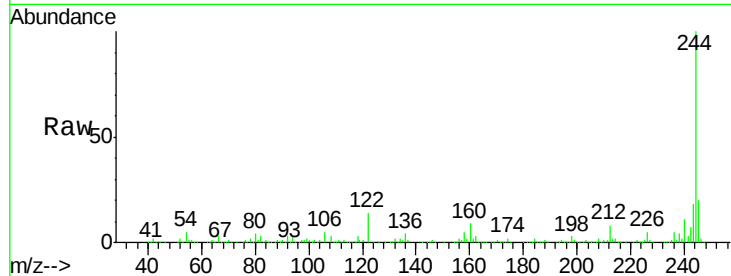
Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampleId :

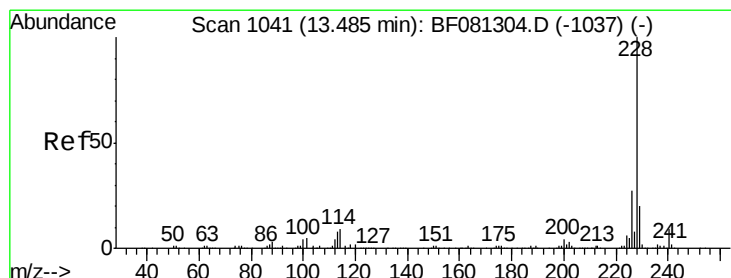
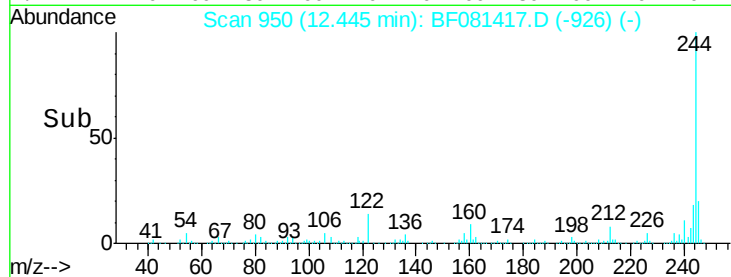
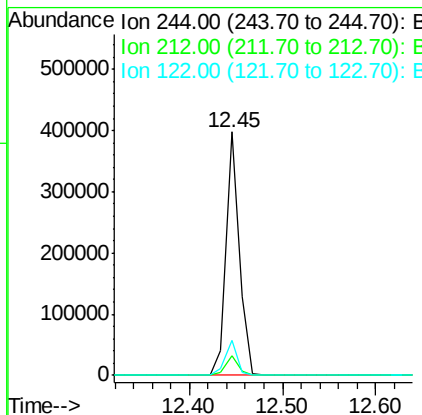
FK-EF-01-004-ABCD



Tot Ion:	244	Resp:	393188
Ion Ratio	Lower	Upper	
244	100		
212	8.3	4.3	6.5#
122	14.1	17.4	26.2#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 4.12 ng

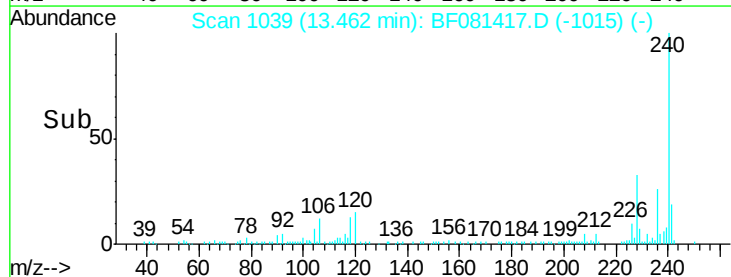
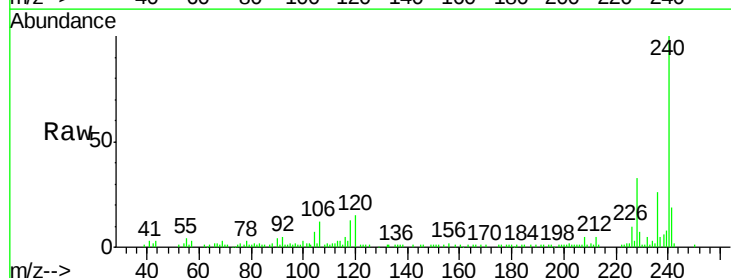
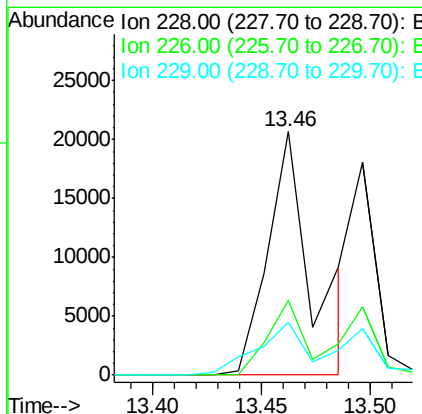
RT: 13.46 min Scan# 1039

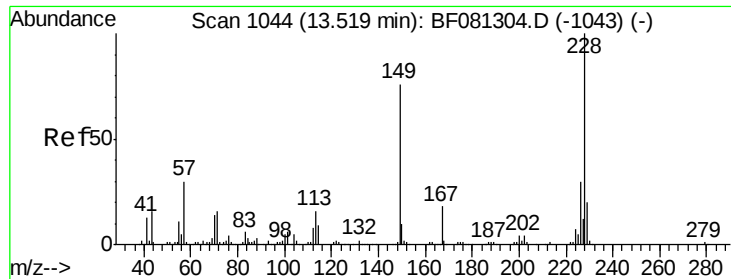
Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Tgt Ion:	228	Resp:	29426
Ion Ratio	Lower	Upper	
228	100		
226	30.5	20.0	30.0#
229	21.6	15.4	23.2





#82

Chrysene

Concen: 2.21 ng/mL

RT: 13.50 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

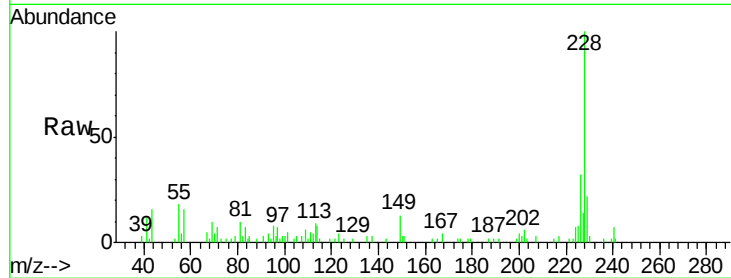
ClientSampleId :

FK-EF-01-004-ABCD

Tot Ion:	228	Resp:	14149
Ion Ratio	Lower	Upper	
228	100		
226	31.8	21.0	31.4#
229	22.0	15.6	23.4

Manual Integrations
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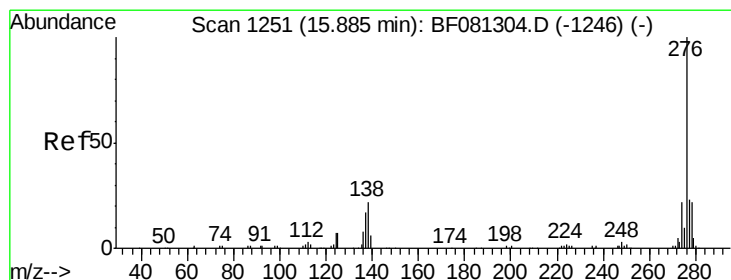
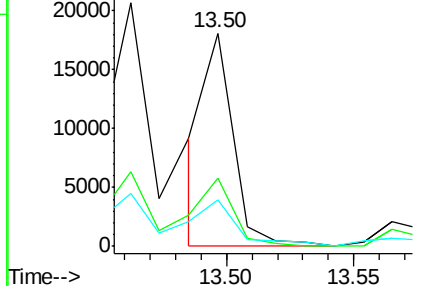
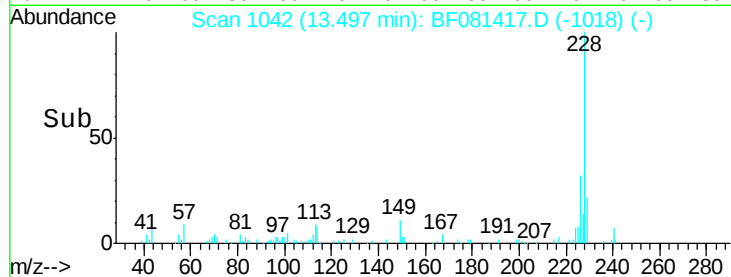
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.08 ng/mL

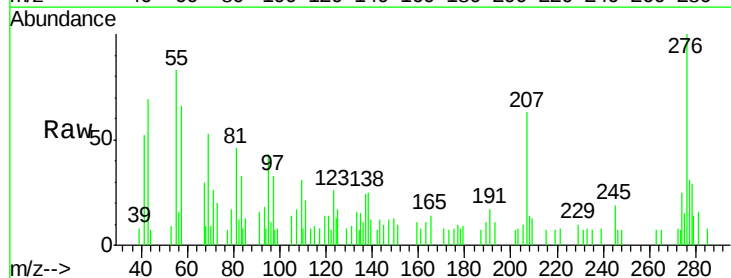
RT: 15.86 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

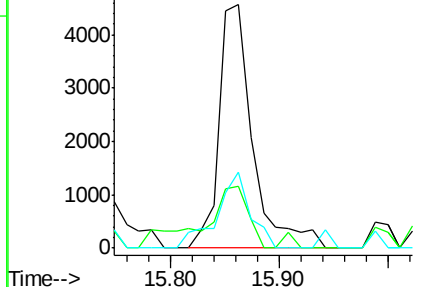
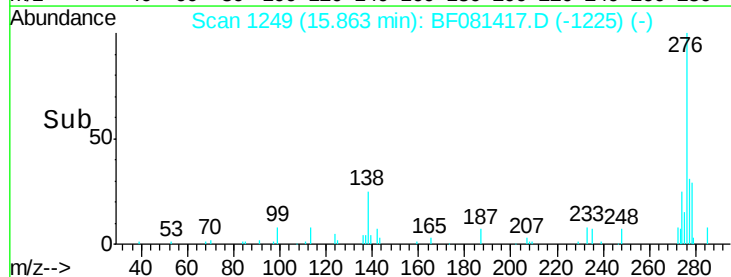
Tgt Ion:	276	Resp:	9786
Ion Ratio	Lower	Upper	
276	100		
138	34.8	25.7	38.5
277	31.1	15.6	23.4#

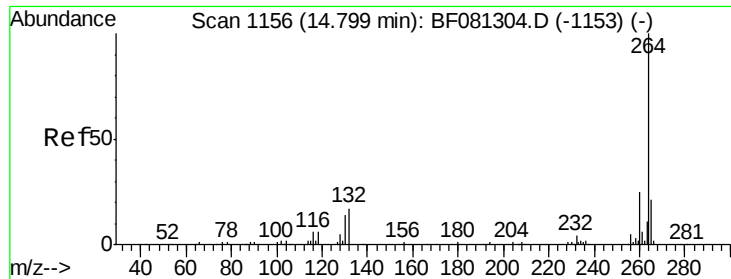


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





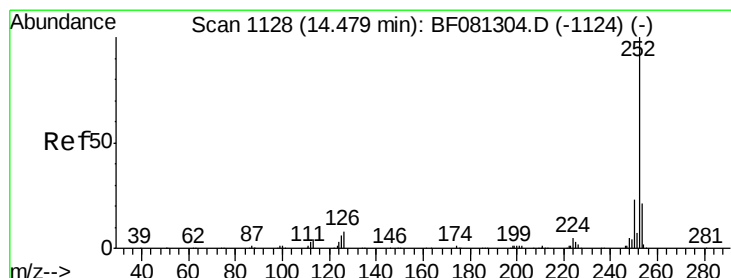
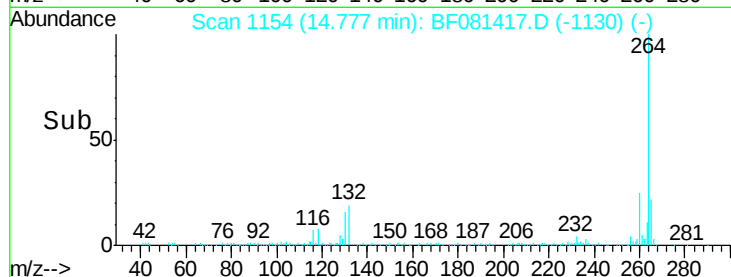
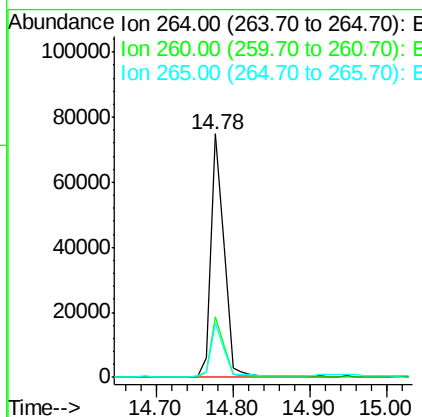
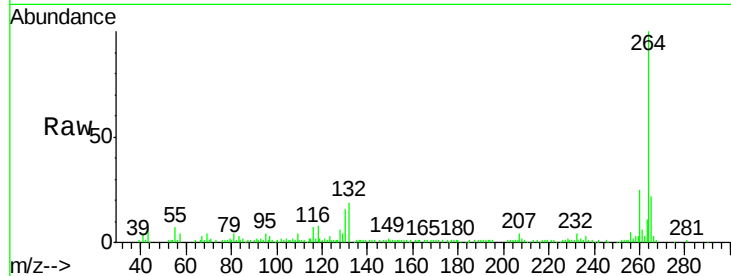
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	22.3	17.2	25.8

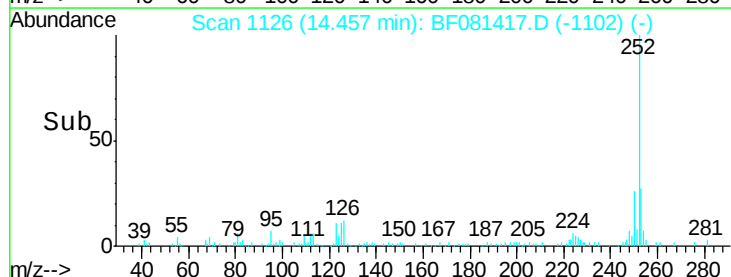
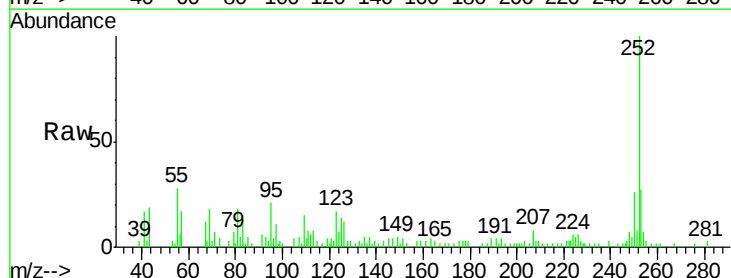
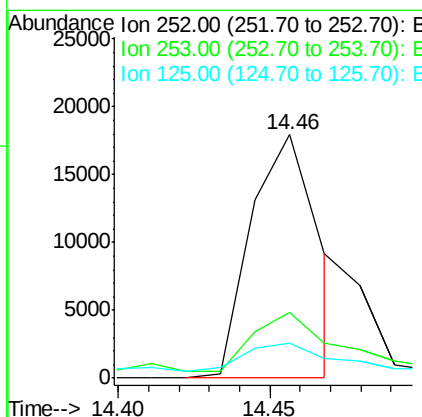
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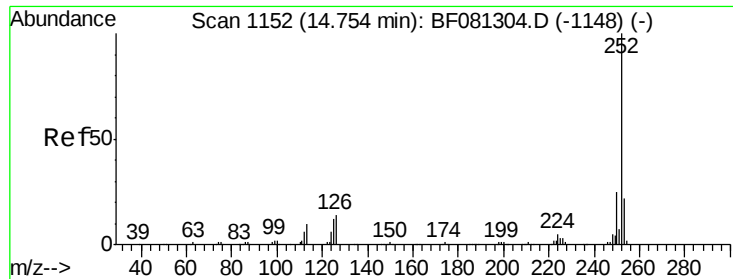
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#87
Benzo(b)fluoranthene
Concen: 4.39 ng m
RT: 14.46 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	14.2	17.1	25.7#





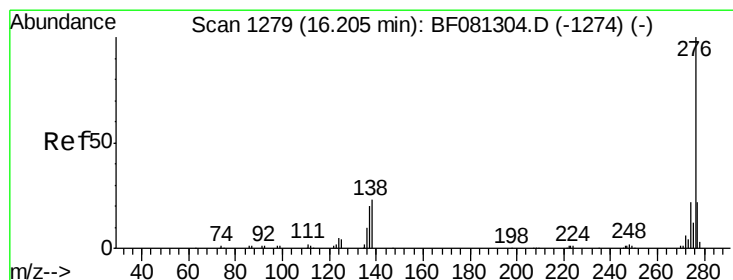
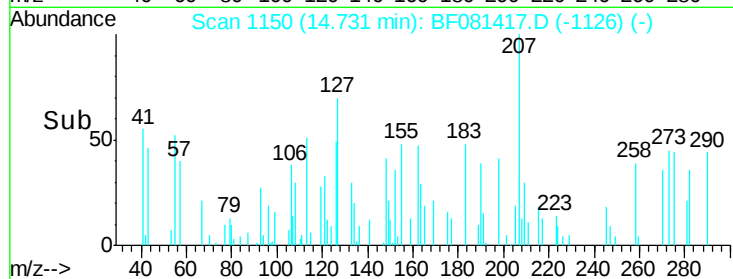
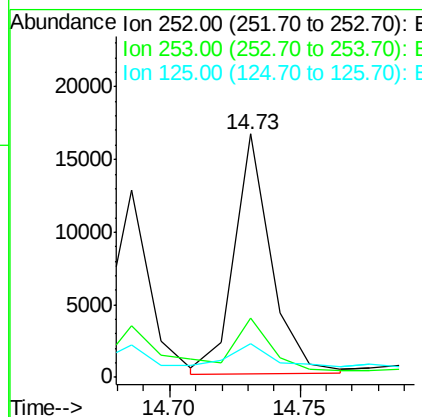
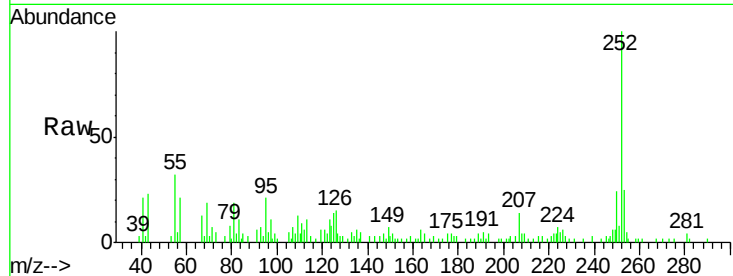
#89
Benzo(a)pyrene
Concen: 3.04 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	13.7	18.0	27.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.08 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.8	26.6
138	23.8	34.6	51.8#

