

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
 Data File : BF081123.D
 Acq On : 20 Aug 2015 12:55
 Operator : UM/IZ
 Sample : G3289-07RE
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-4RE

Manual Integrations
 APPROVED

MMDadoda
 8/20/2015 3:42:29 PM

Quant Time: Aug 20 13:34:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	63462	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	267456	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	109947	20.00	ng	0.00
63) Phenanthrene-d10	11.09	188	192944	20.00	ng	0.00
75) Chrysene-d12	13.72	240	127151	20.00	ng	0.01
86) Perylene-d12	15.05	264	95707	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	127154	30.14	ng	0.01
7) Phenol-d6	6.23	99	175805	31.93	ng	0.00
23) Nitrobenzene-d5	7.16	82	111507	19.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	59841	62.79	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	206734	24.64	ng	-0.01
78) Terphenyl-d14	12.68	244	336768	56.78	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.35	163	73417	8.11	ng	100
57) Fluorene	10.16	166	27192	3.17	ng	98
70) Phenanthrene	11.12	178	346888	30.34	ng	99
71) Anthracene	11.17	178	99216	8.92	ng	98
72) Carbazole	11.33	167	32527	3.04	ng	99
74) Fluoranthene	12.30	202	426633	34.58	ng	96
77) Pyrene	12.52	202	342633	33.15	ng	98
79) Butylbenzylphthalate	13.16	149	23708	5.34	ng	# 81
80) Benzo(a)anthracene	13.71	228	159374	18.69	ng	99
82) Chrysene	13.74	228	128895m	16.77	ng	
83) Bis(2-ethylhexyl)phthalate	13.73	149	79789	14.02	ng	99
85) Indeno(1,2,3-cd)pyrene	16.27	276	43589	8.08	ng	# 89
87) Benzo(b)fluoranthene	14.70	252	135153m	19.96	ng	
88) Benzo(k)fluoranthene	14.71	252	44599m	7.07	ng	
89) Benzo(a)pyrene	15.01	252	86629	14.69	ng	# 93
90) Dibenzo(a,h)anthracene	16.28	278	17071	3.71	ng	# 65
91) Benzo(g,h,i)perylene	16.63	276	41039	8.80	ng	# 87

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

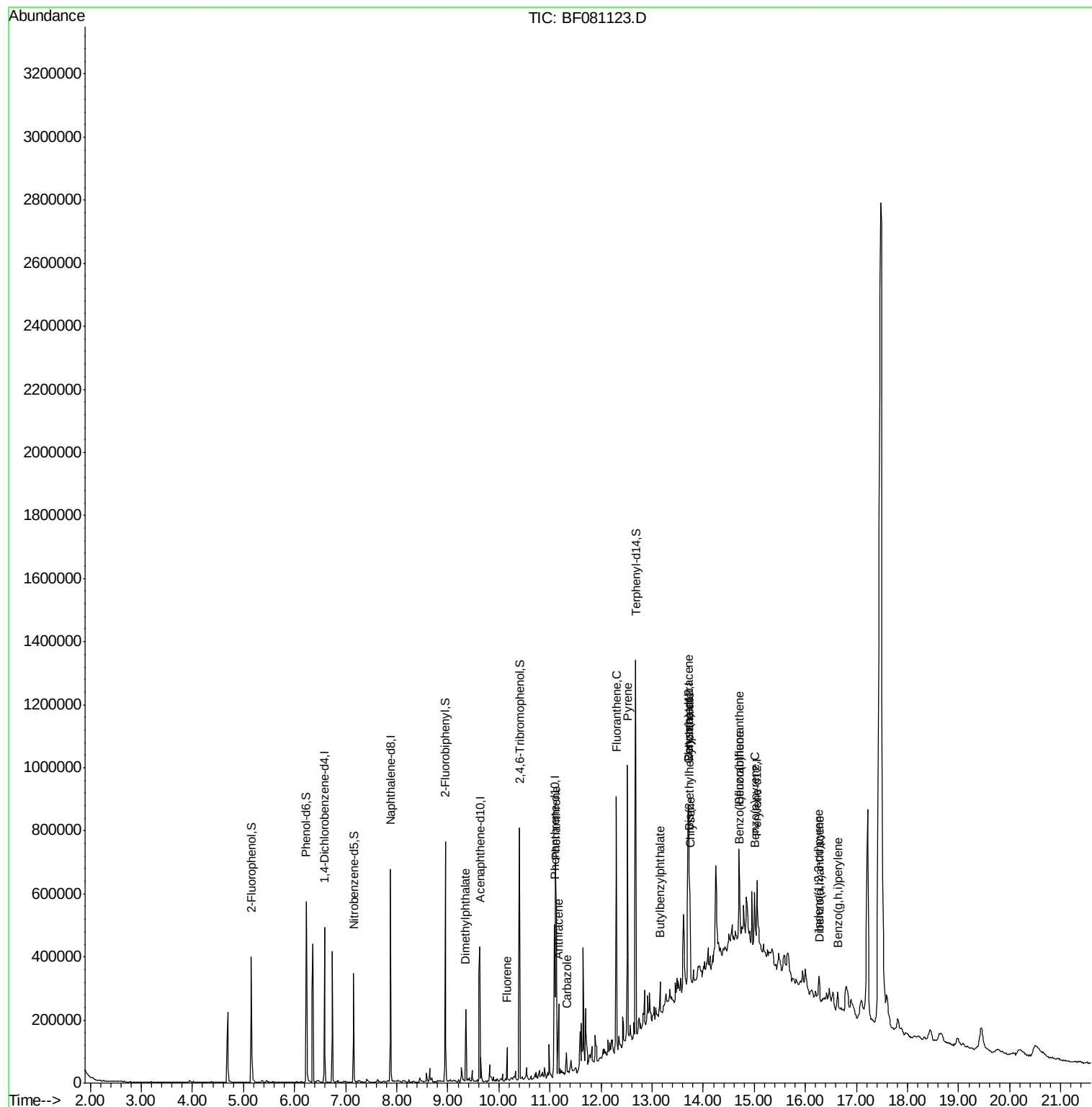
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081123.D
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ALS Vial : 39 Sample Multiplier: 1

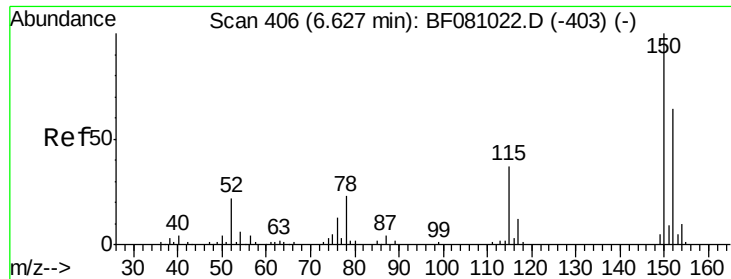
Instrument :
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#1

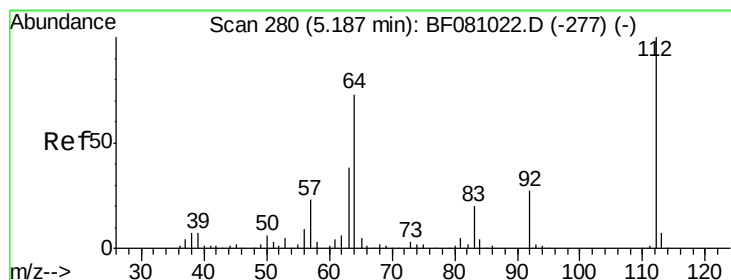
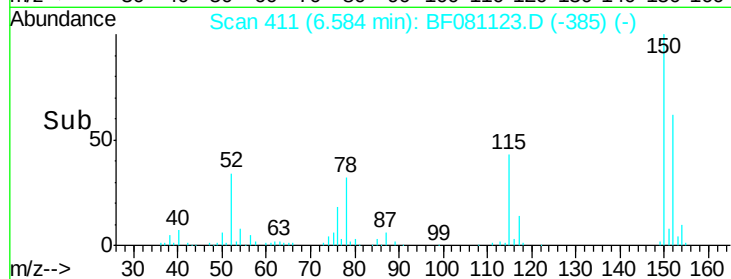
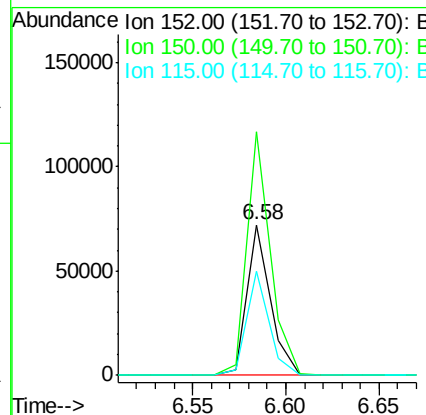
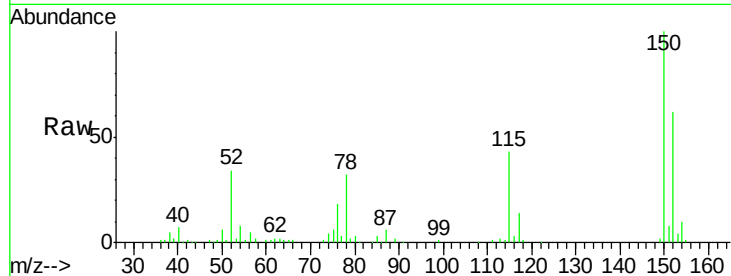
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-4RE

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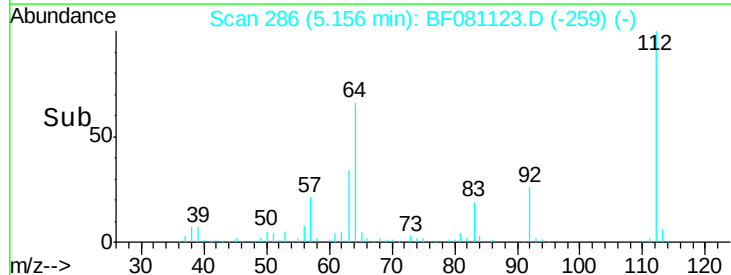
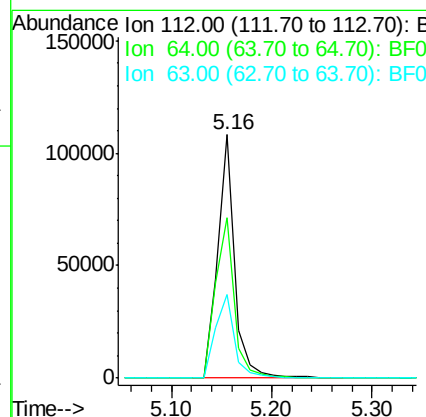
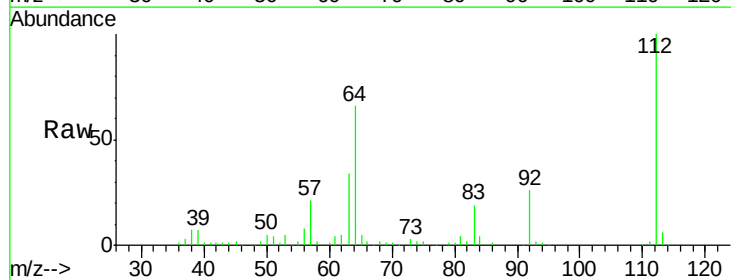
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.9	123.8	185.6
115	69.6	52.1	78.1

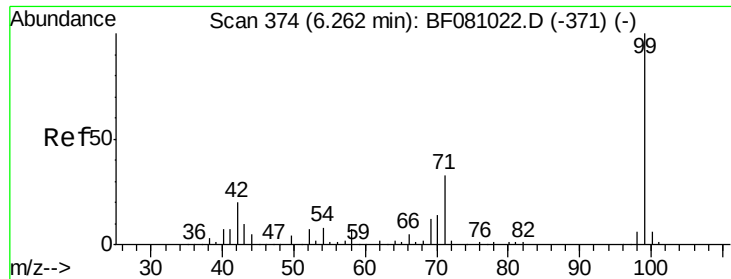


#5

2-Fluorophenol
Concen: 30.14 ng
RT: 5.16 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	66.9	100.3#
63	34.1	38.1	57.1#





#7

Phenol-d6

Concen: 31.93 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

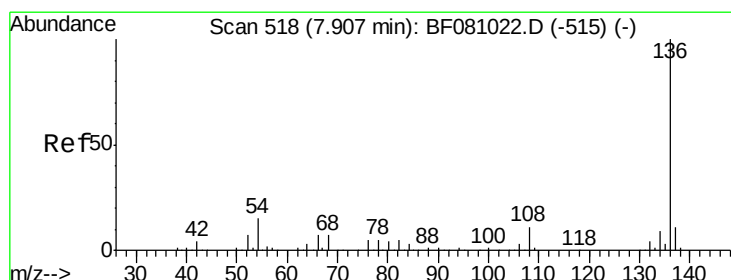
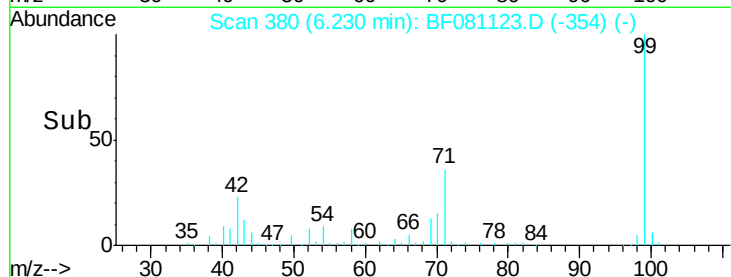
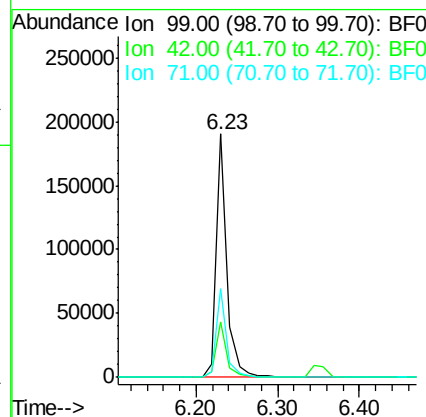
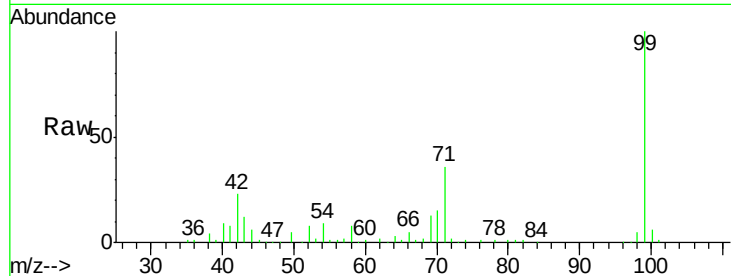
ClientSampleId :

RAMPB-T(0-2)-4RE

Tgt Ion:	99	Resp:	175805
Ion Ratio	Lower	Upper	
99	100		
42	22.7	19.6	29.4
71	36.4	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

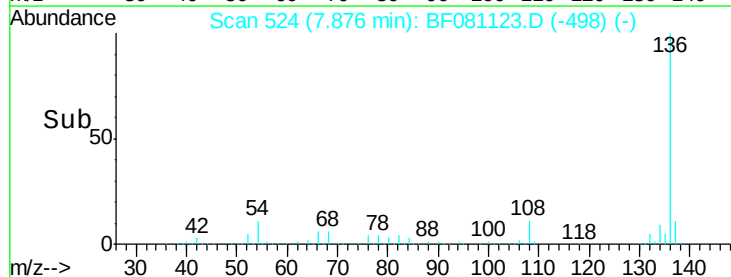
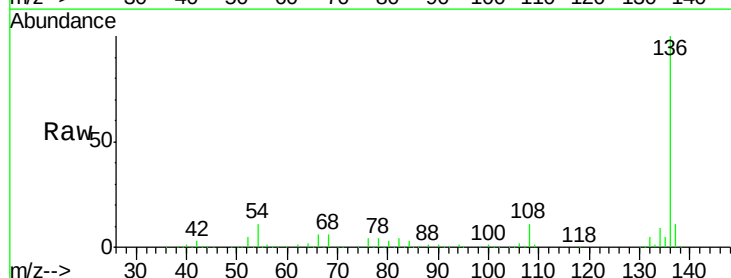
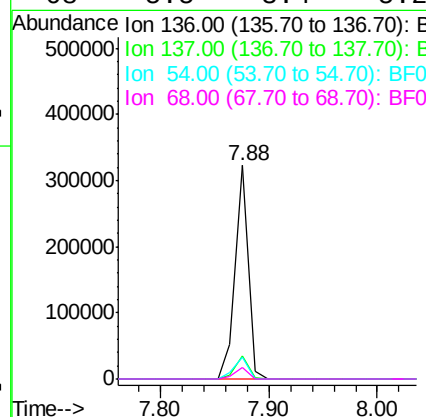
RT: 7.88 min Scan# 524

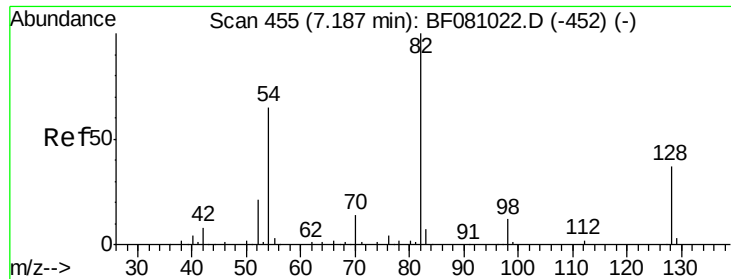
Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt Ion:	136	Resp:	267456
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.2	12.2
54	10.5	7.7	11.5
68	5.5	3.4	5.2#





#23

Nitrobenzene-d5

Concen: 19.05 ng

RT: 7.16 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF081123.D

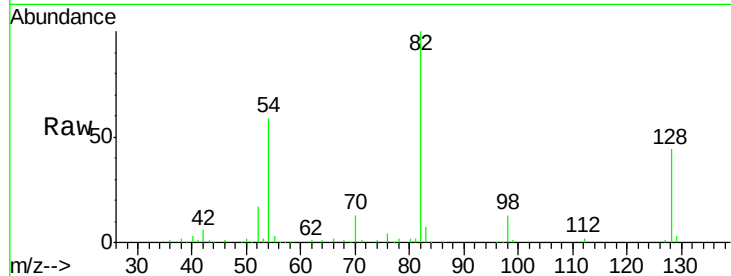
Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-4RE



Tgt Ion: 82 Resp: 111507

Ion Ratio Lower Upper

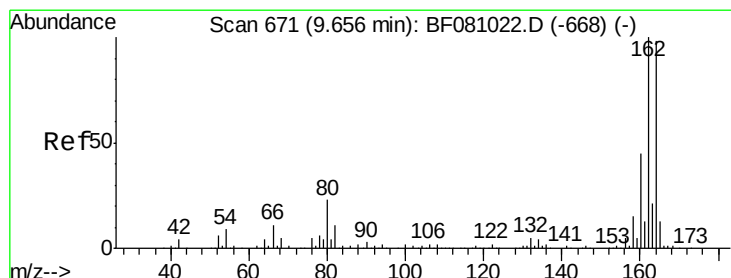
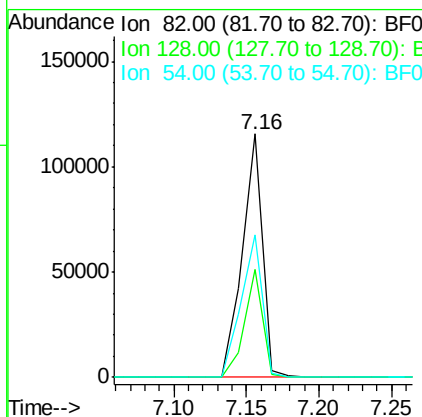
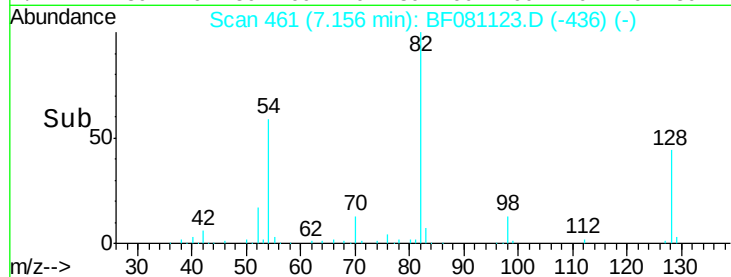
82 100

128 44.2 28.6 42.8#

54 58.7 55.1 82.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

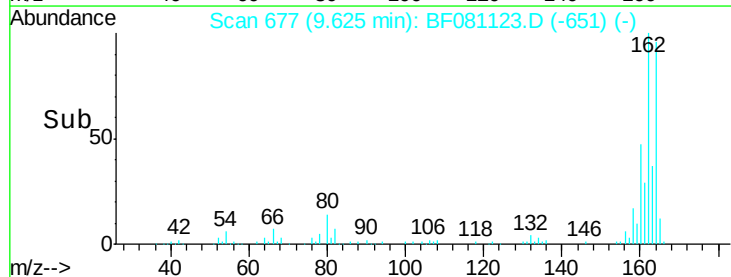
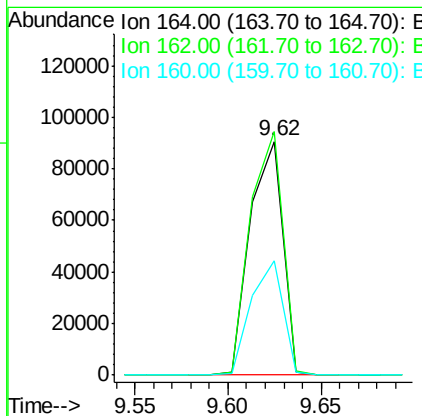
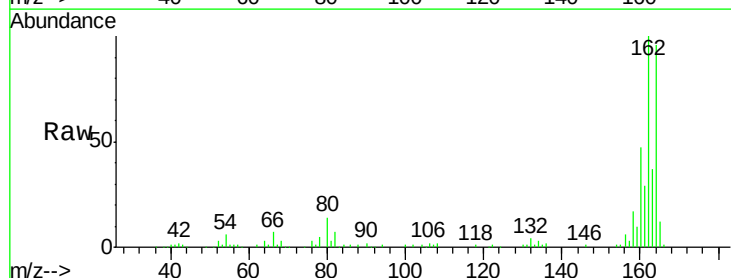
Tgt Ion: 164 Resp: 109947

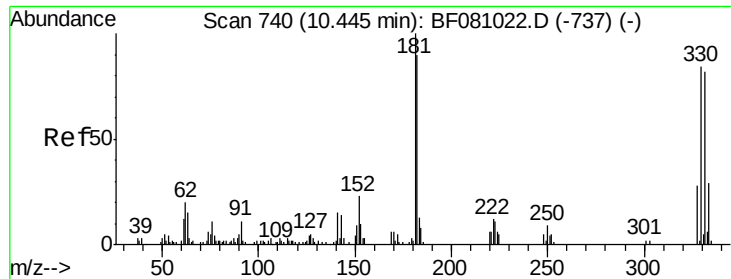
Ion Ratio Lower Upper

164 100

162 104.1 83.8 125.8

160 48.7 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 62.79 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF081123.D

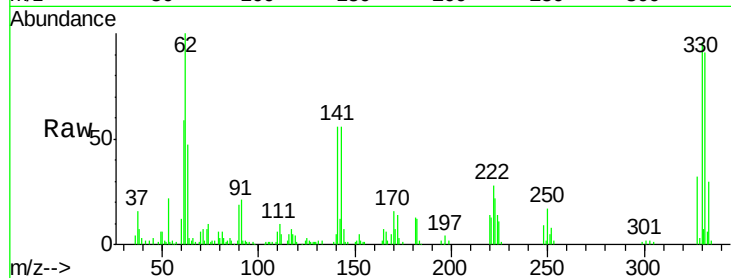
Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

ClientSampleId :

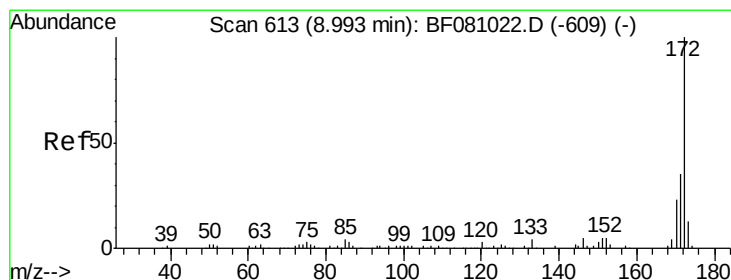
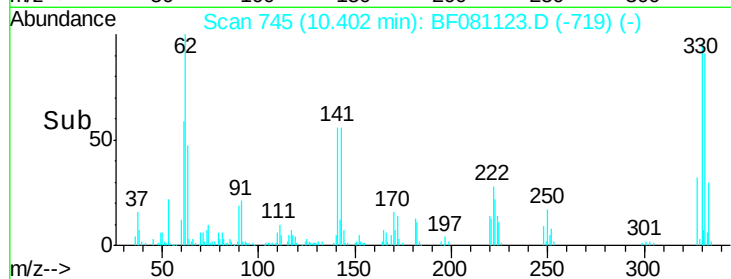
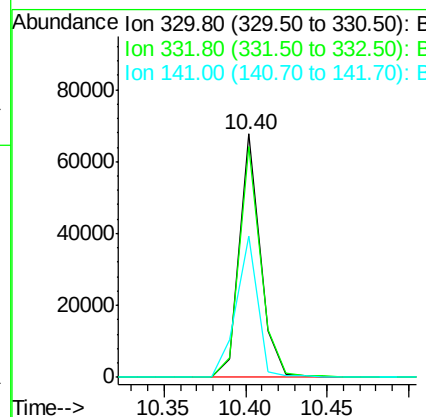
RAMPB-T(0-2)-4RE



Tgt Ion:	330	Resp:	59841
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.3	115.9
141	59.7	44.9	67.3

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#44

2-Fluorobiphenyl

Concen: 24.64 ng

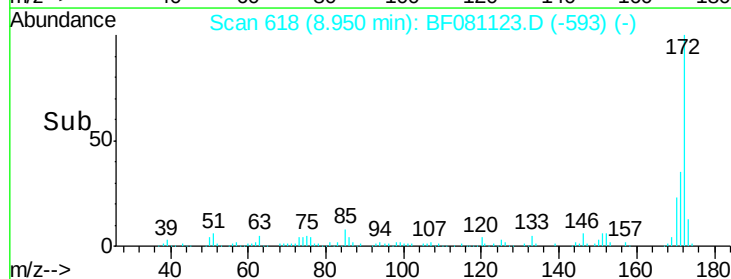
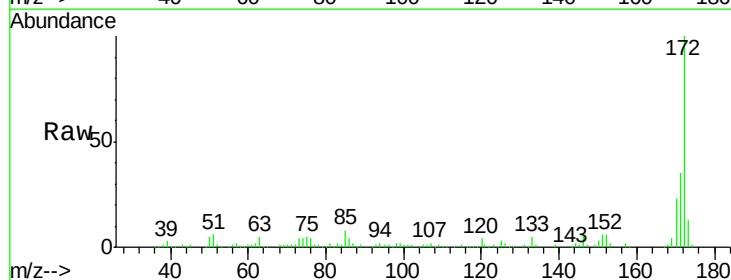
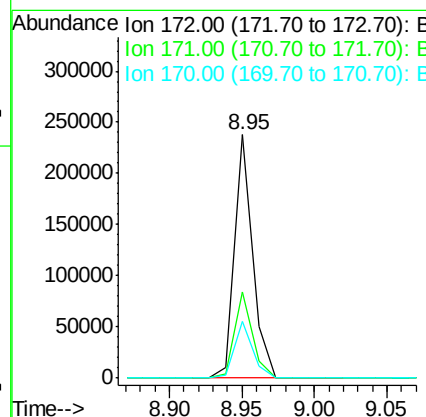
RT: 8.95 min Scan# 618

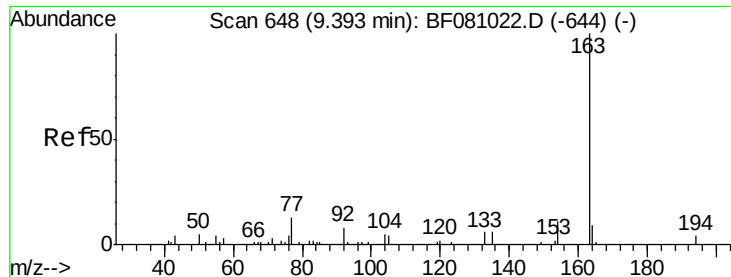
Delta R.T. -0.01 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt Ion:	172	Resp:	206734
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.9	43.3
170	23.2	19.4	29.2





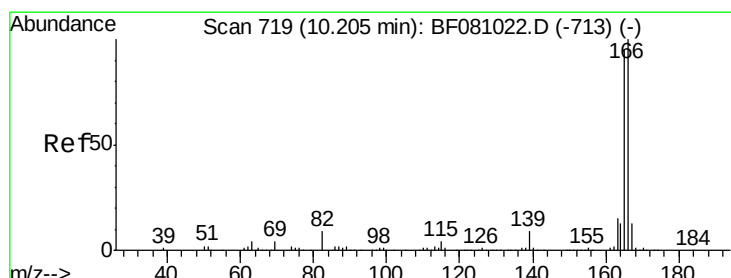
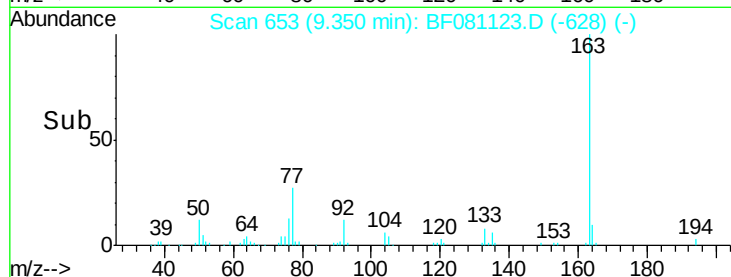
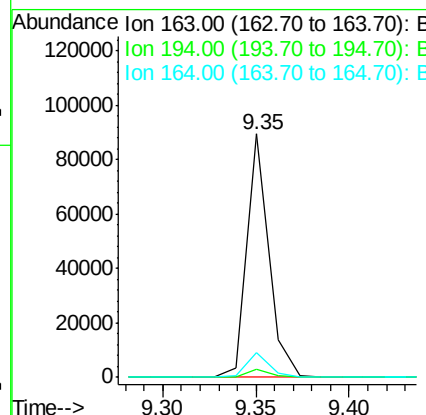
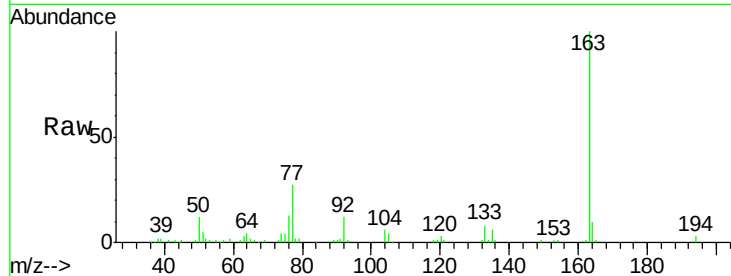
#49
Dimethylphthalate
Concen: 8.11 ng
RT: 9.35 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-4RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	73417		
194	3.1		2.5	3.7
164	10.0		8.1	12.1

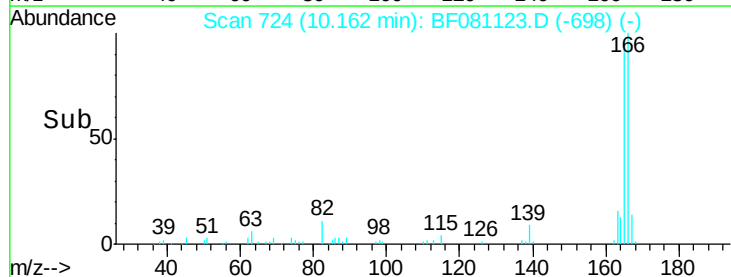
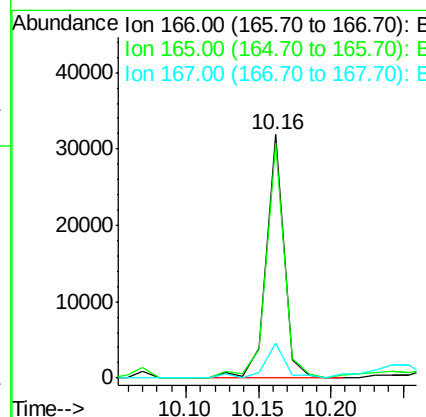
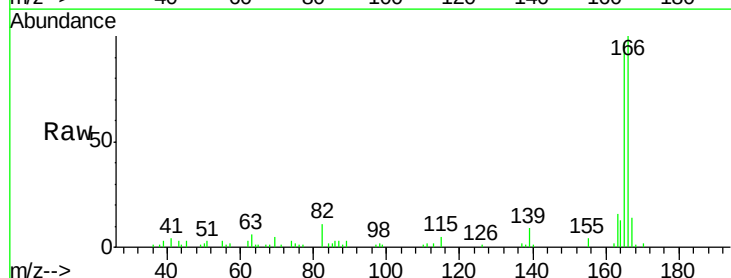
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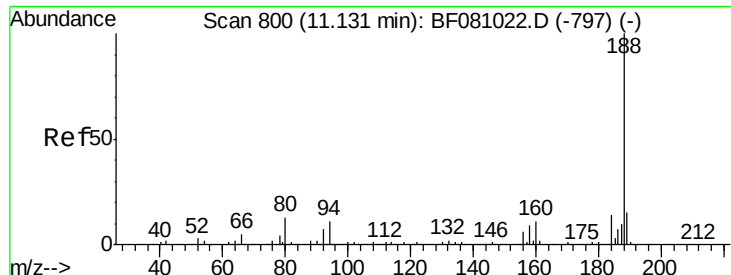
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#57
Fluorene
Concen: 3.17 ng
RT: 10.16 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27192		
165	96.6		75.8	113.8
167	14.2		11.3	16.9





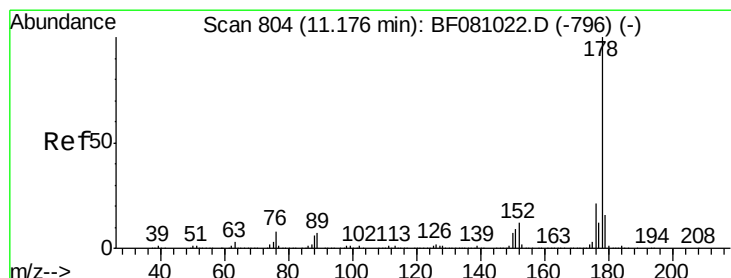
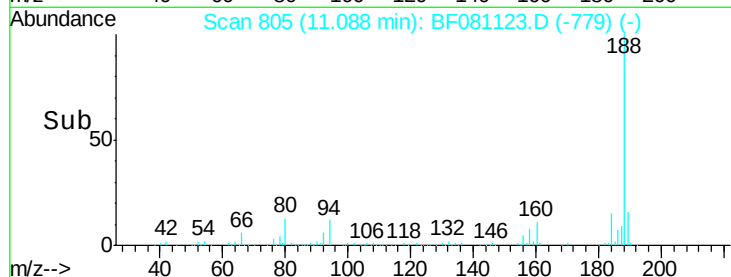
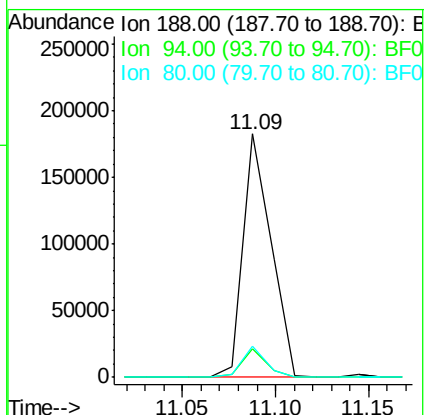
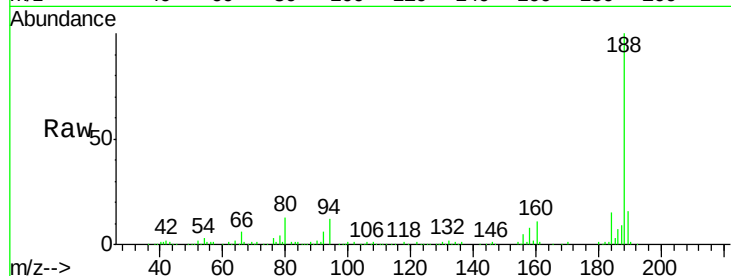
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Instrument :
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RAMPB-T(0-2)-4RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	8.2	12.2
80	12.6	9.5	14.3

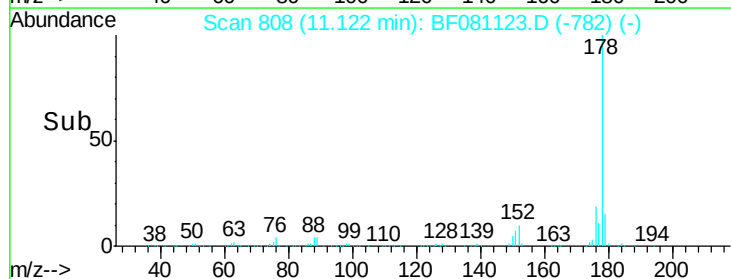
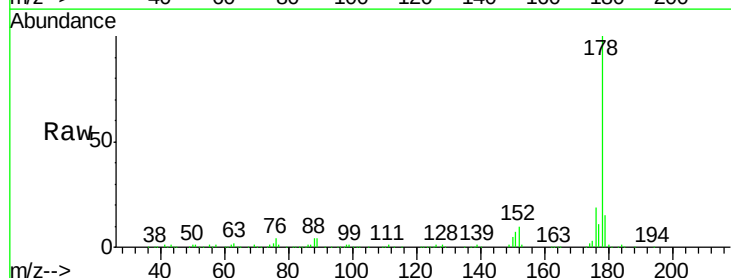
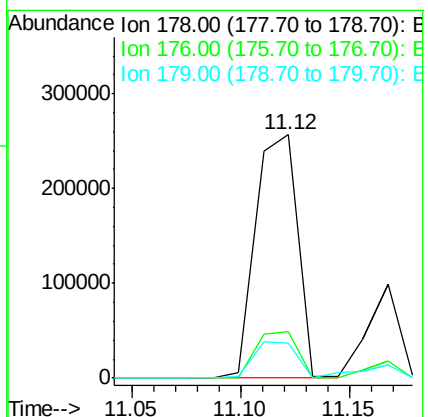
Manual Integrations
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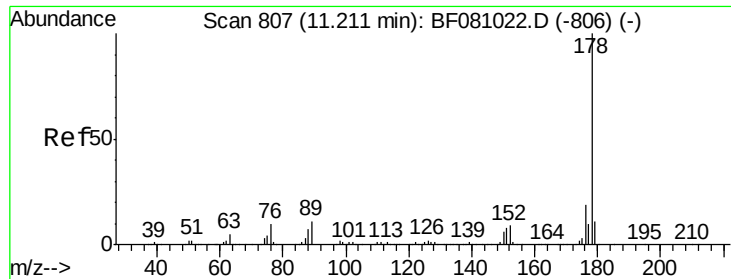
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#70
Phenanthrene
Concen: 30.34 ng
RT: 11.12 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.7	23.5
179	14.6	12.2	18.2





#71

Anthracene

Concen: 8.92 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

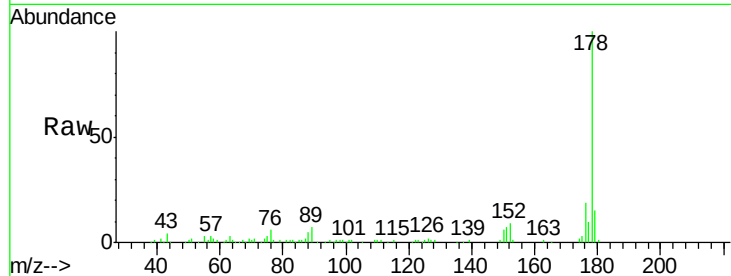
ClientSampleId :

RAMPB-T(0-2)-4RE

Manual Integrations
APPROVED

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8/20/2015 3:42:29 PM

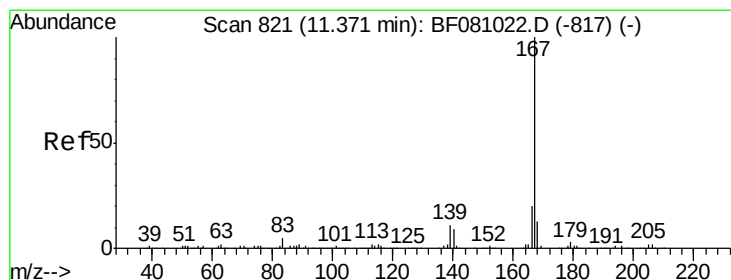
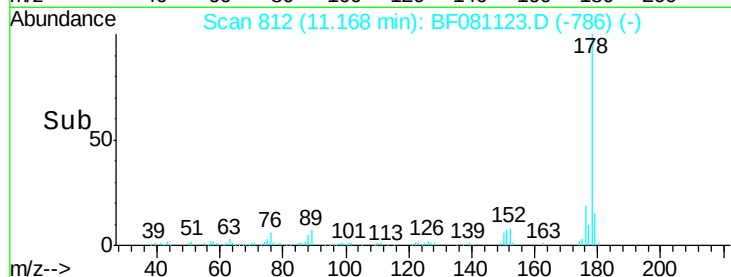
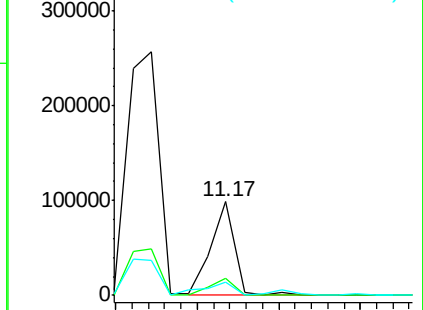
Tgt Ion:	178	Resp:	99216
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.7	23.5
179	14.6	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.04 ng

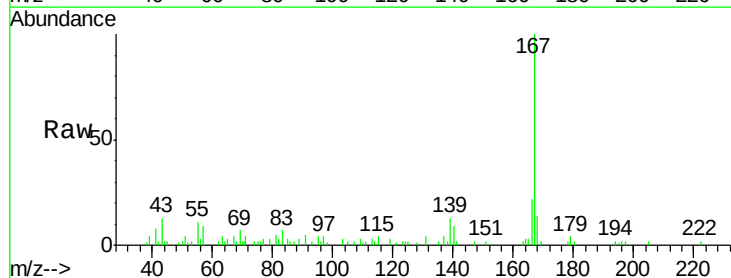
RT: 11.33 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

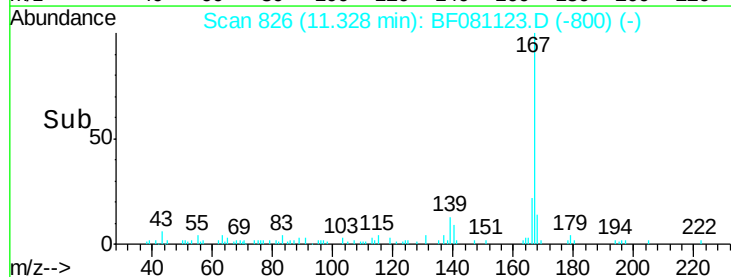
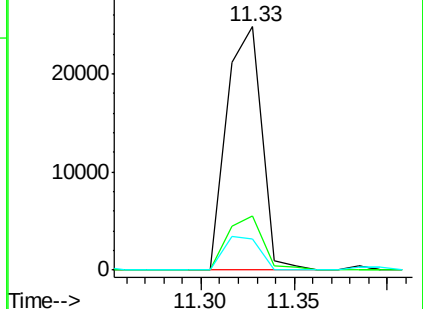
Tgt Ion:	167	Resp:	32527
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.4	26.0
139	12.8	10.6	16.0

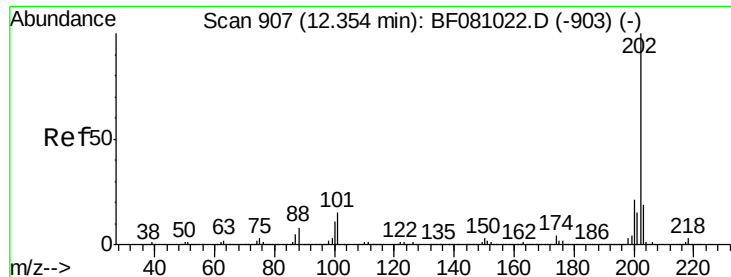


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 34.58 ng

RT: 12.30 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF081123.D

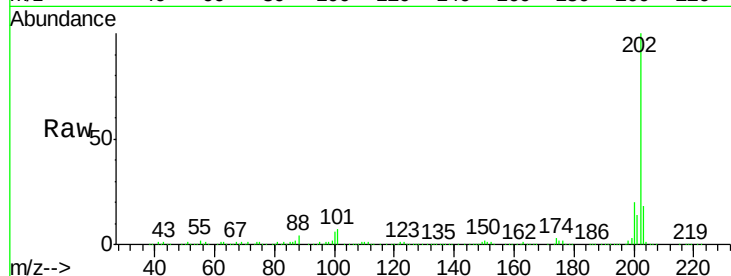
Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

ClientSampleId :

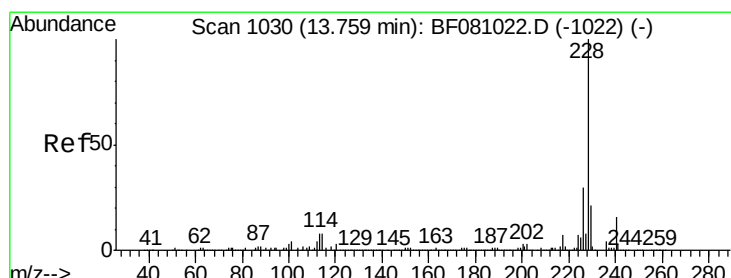
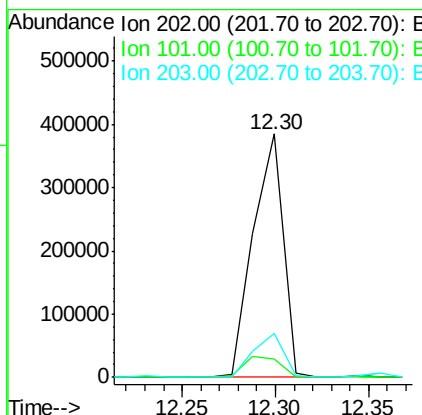
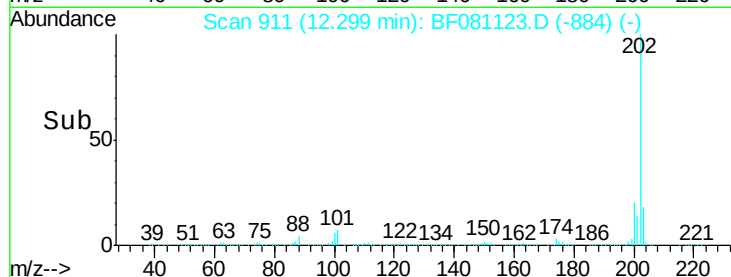
RAMPB-T(0-2)-4RE



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	426633		
101	7.4	0.0	24.8	
203	18.0	0.0	36.9	

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#75

Chrysene-d12

Concen: 20.00 ng

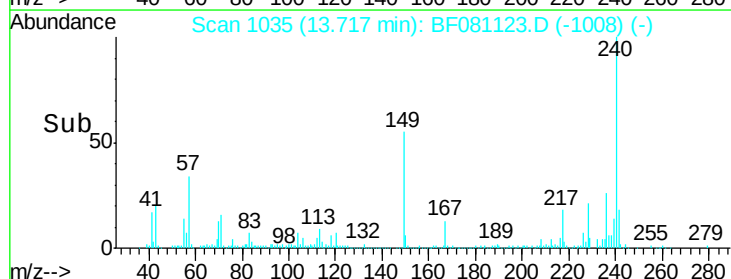
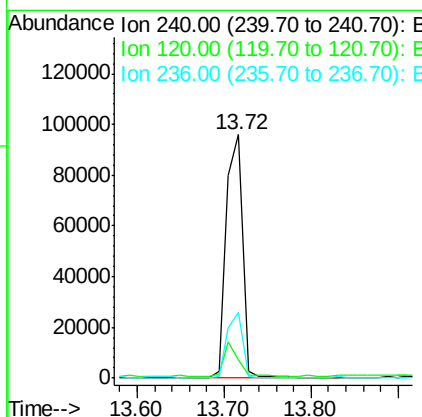
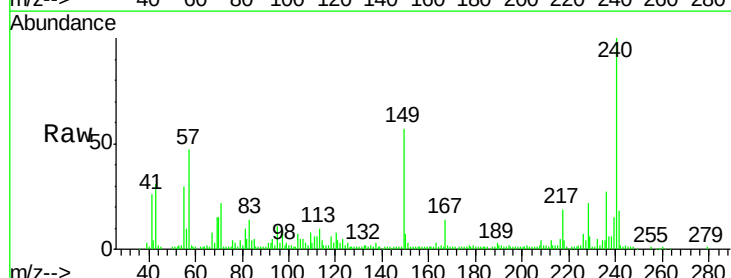
RT: 13.72 min Scan# 1035

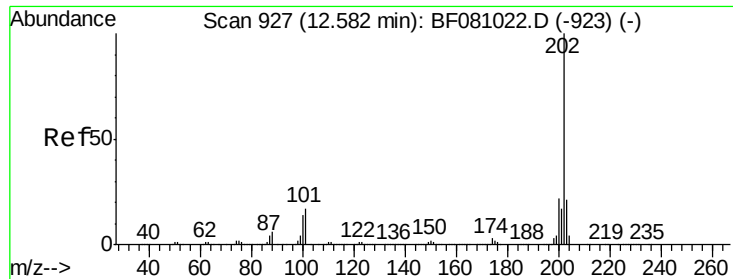
Delta R.T. 0.01 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	127151		
120	7.7	5.6	8.4	
236	26.9	20.6	30.8	





#77

Pyrene

Concen: 33.15 ng

RT: 12.52 min Scan# 930

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

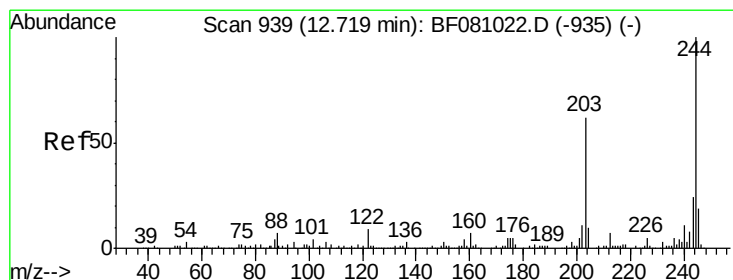
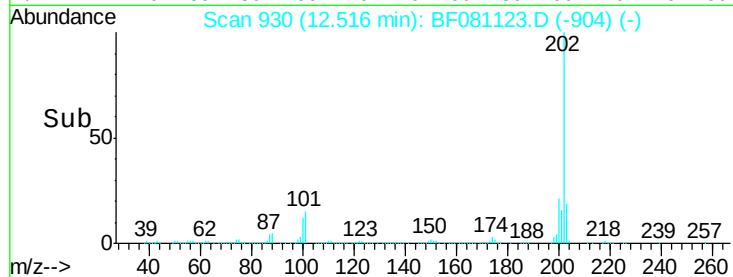
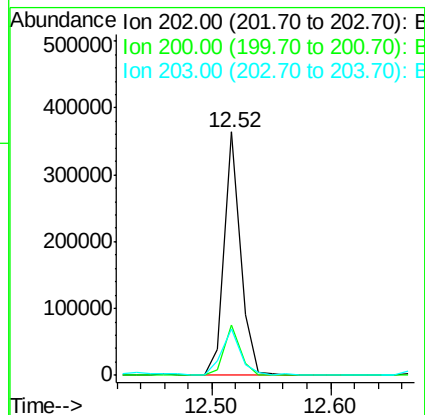
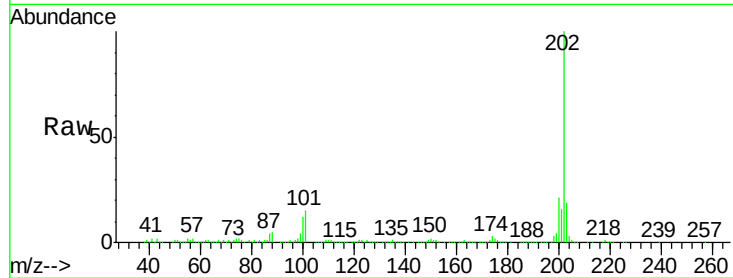
ClientSampleId :

RAMPB-T(0-2)-4RE

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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		342633		
200	20.6	16.6	24.8		
203	19.1	14.1	21.1		



#78

Terphenyl-d14

Concen: 56.78 ng

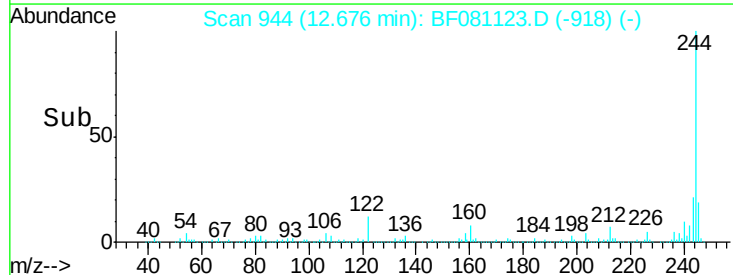
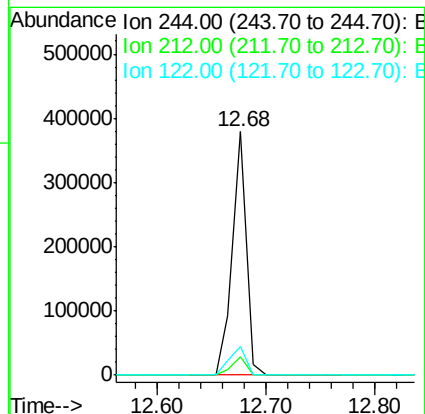
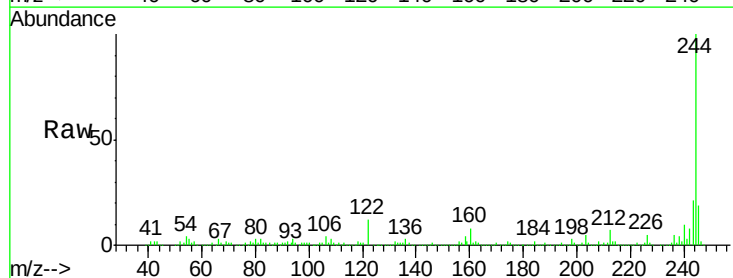
RT: 12.68 min Scan# 944

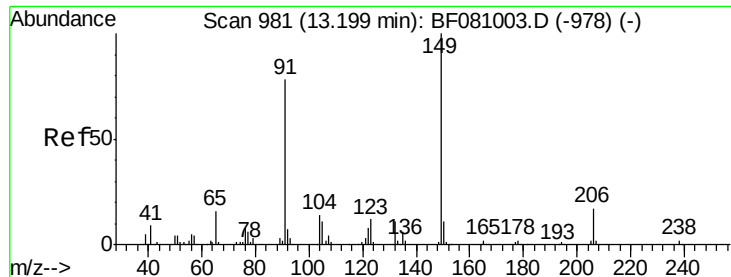
Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		336768		
212	7.3	5.8	8.8		
122	11.9	8.2	12.4		





#79

Butylbenzylphthalate

Concen: 5.34 ng

RT: 13.16 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

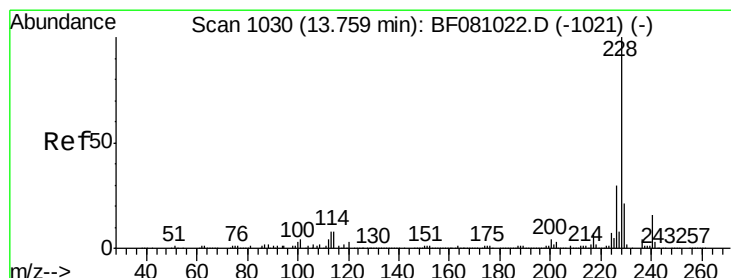
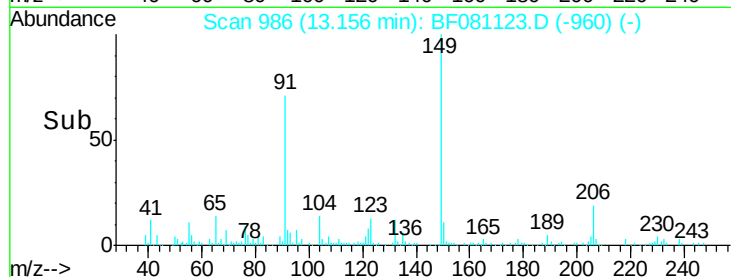
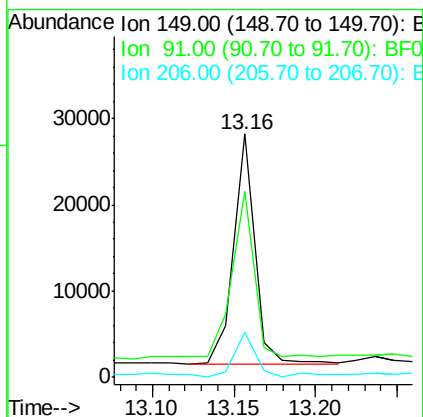
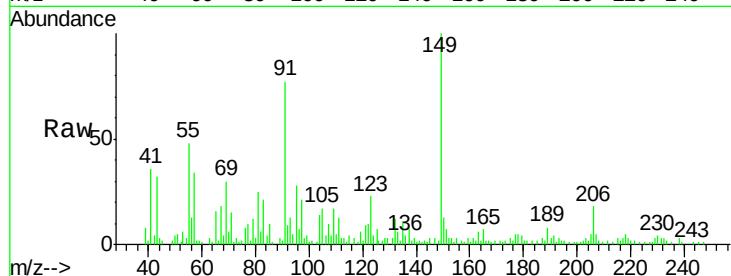
ClientSampleId :

RAMPB-T(0-2)-4RE

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Tgt Ion:	149	Resp:	23708
Ion Ratio	Lower	Upper	
149	100		
91	76.6	46.9	70.3#
206	18.3	17.0	25.4



#80

Benzo(a)anthracene

Concen: 18.69 ng

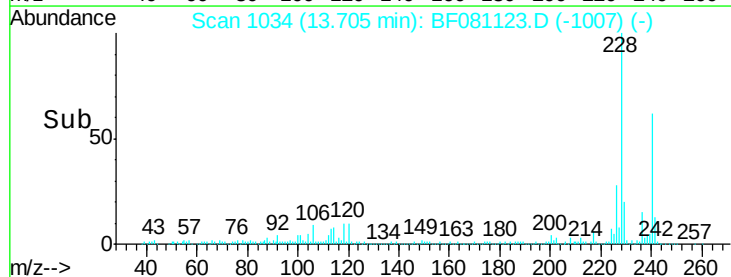
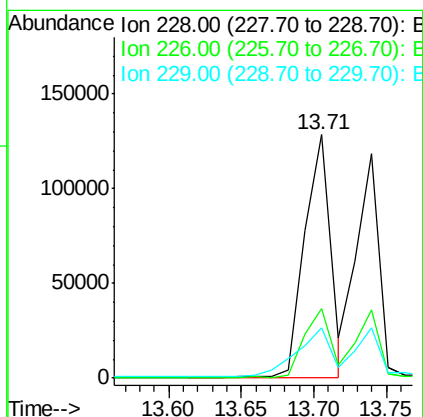
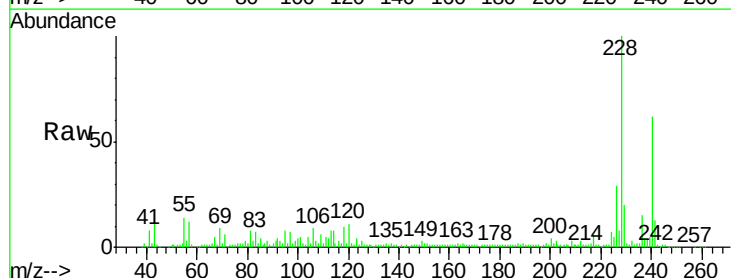
RT: 13.71 min Scan# 1034

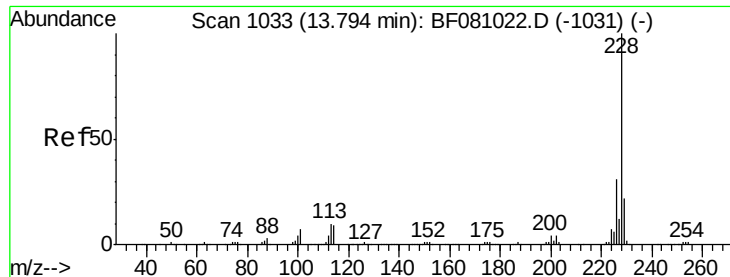
Delta R.T. 0.01 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt Ion:	228	Resp:	159374
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.3	33.5
229	20.4	15.9	23.9





#82

Chrysene

Concen: 16.77 ng m

RT: 13.74 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

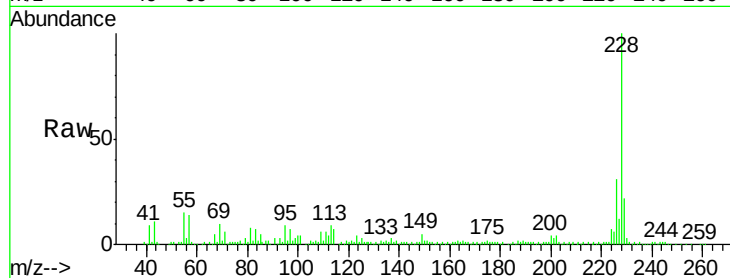
ClientSampleId :

RAMPB-T(0-2)-4RE

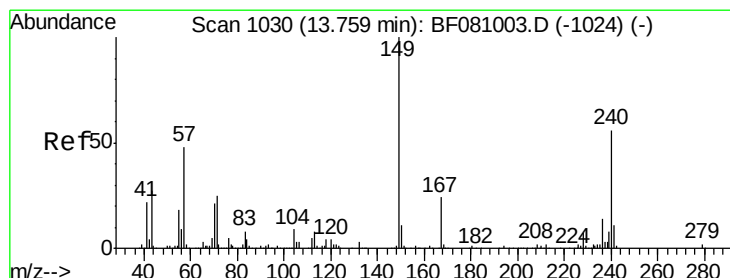
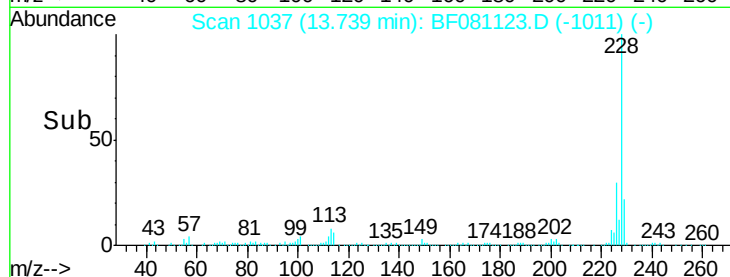
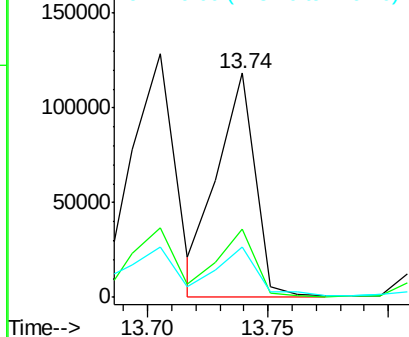
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128895		
226	30.5	24.4	36.6	
229	22.5	16.0	24.0	



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 14.02 ng

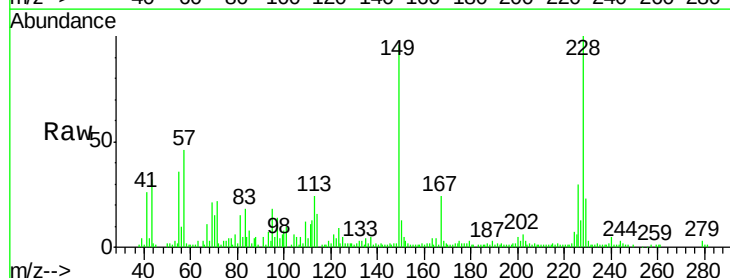
RT: 13.73 min Scan# 1036

Delta R.T. 0.01 min

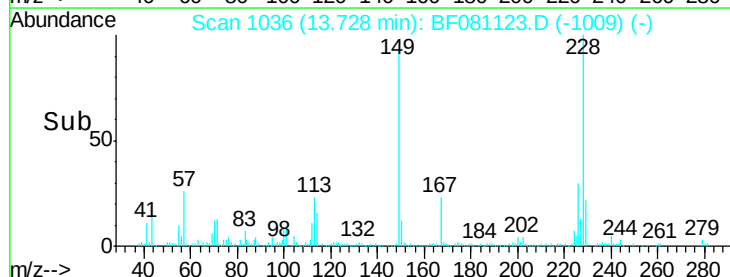
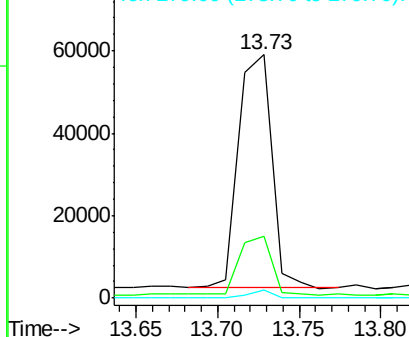
Lab File: BF081123.D

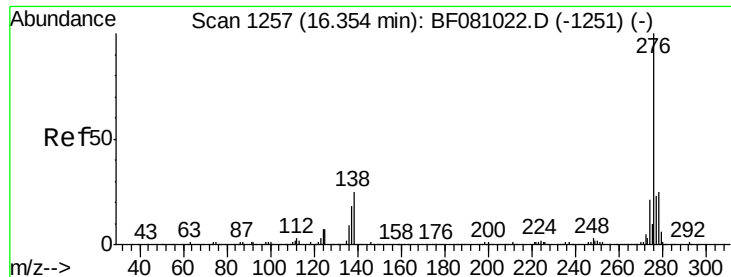
Acq: 20 Aug 2015 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	79789		
167	25.4	20.7	31.1	
279	3.3	2.2	3.4	



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.08 ng

RT: 16.27 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BF081123.D

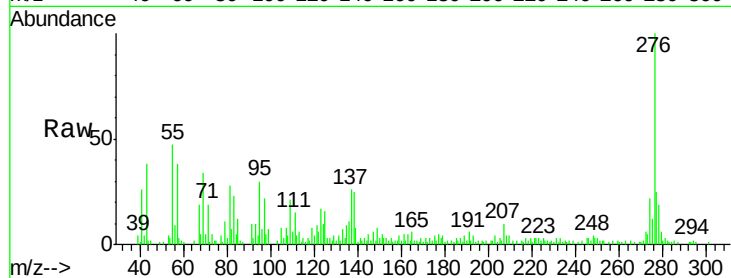
Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-4RE



Tgt Ion: 276 Resp: 43589

Ion Ratio Lower Upper

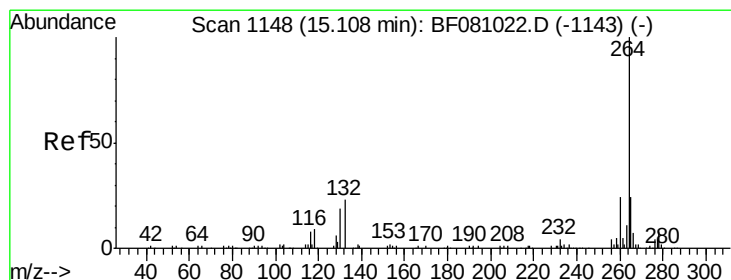
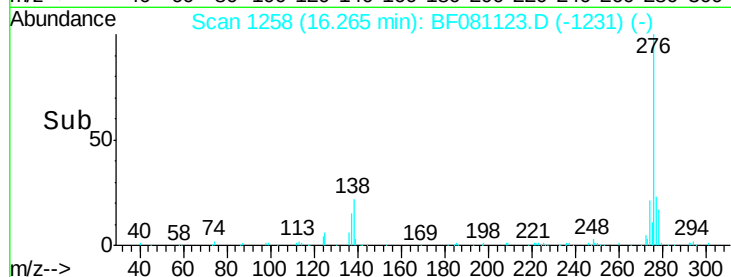
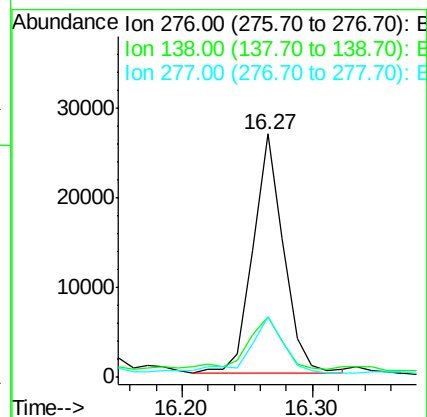
276 100

138 25.1 18.6 28.0

277 33.2 19.8 29.8#

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

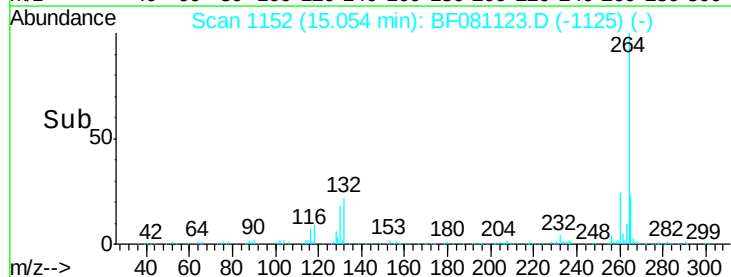
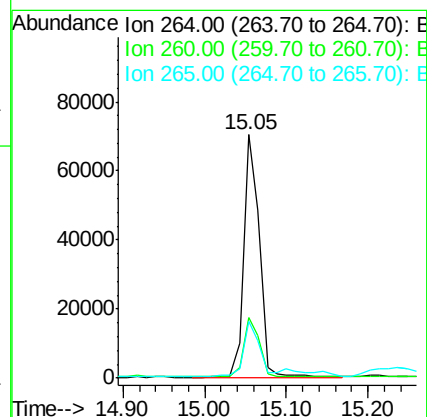
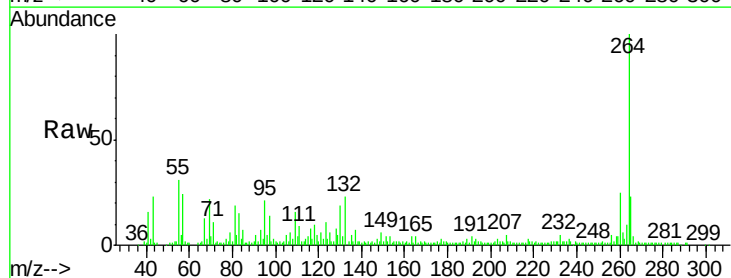
Tgt Ion: 264 Resp: 95707

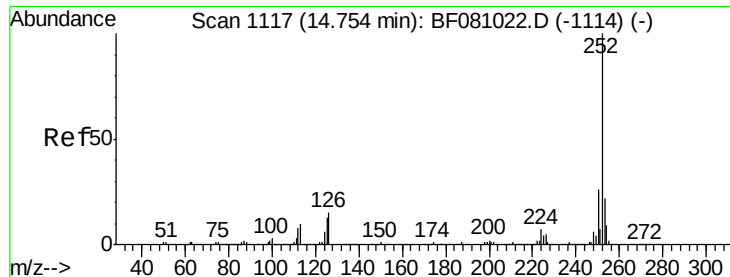
Ion Ratio Lower Upper

264 100

260 25.1 19.6 29.4

265 23.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 19.96 ng m

RT: 14.70 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Instrument :

BNA_F

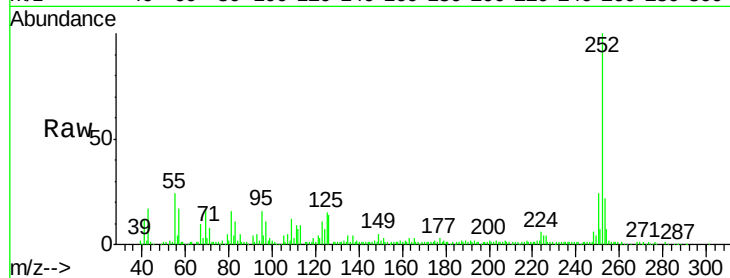
ClientSampleId :

RAMPB-T(0-2)-4RE

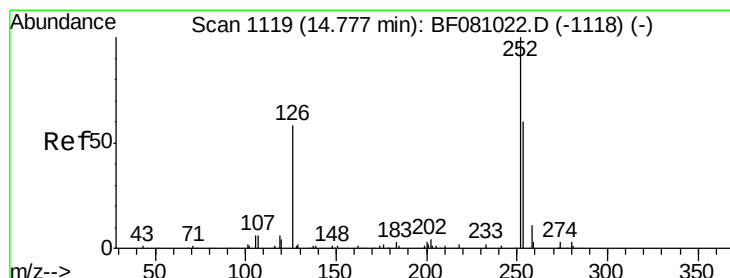
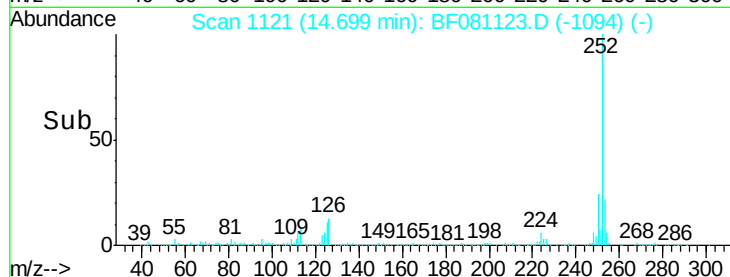
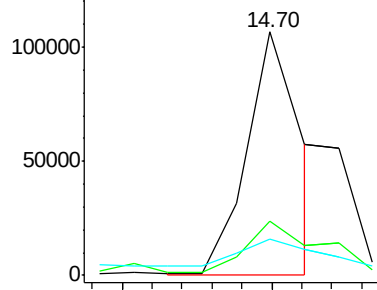
Tgt Ion:	252	Resp:	135153
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	14.7	8.0	12.0#

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



#88

Benzo(k)fluoranthene

Concen: 7.07 ng m

RT: 14.71 min Scan# 1122

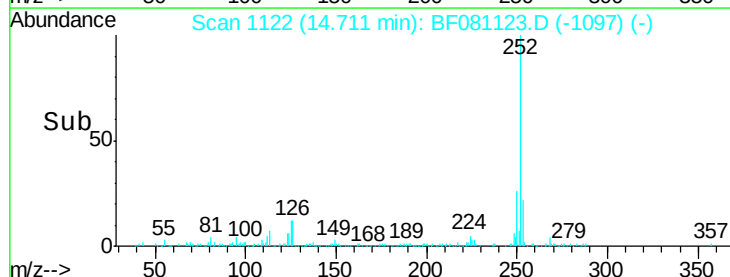
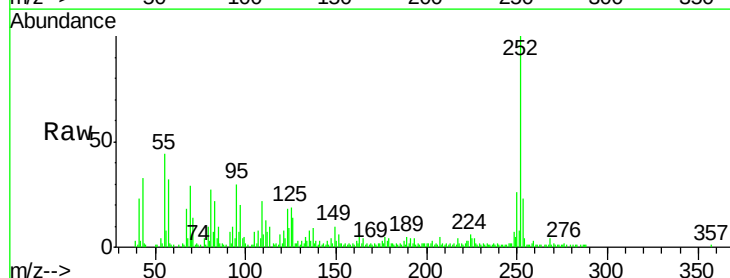
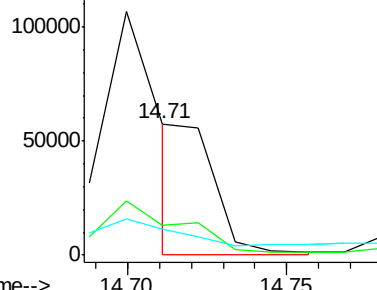
Delta R.T. -0.01 min

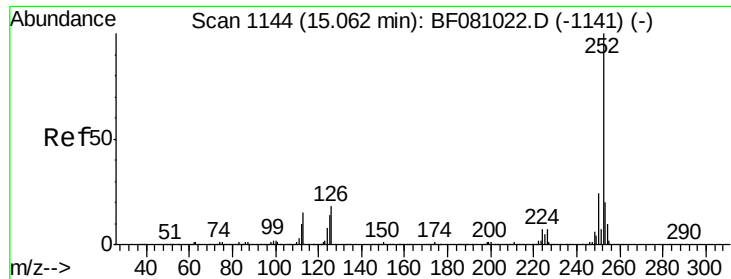
Lab File: BF081123.D

Acq: 20 Aug 2015 12:55

Tgt Ion:	252	Resp:	44599
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	19.4	10.3	15.5#

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





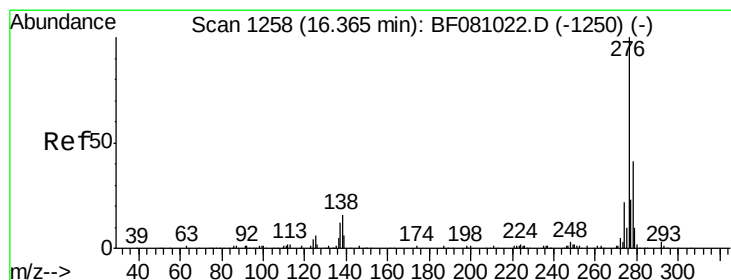
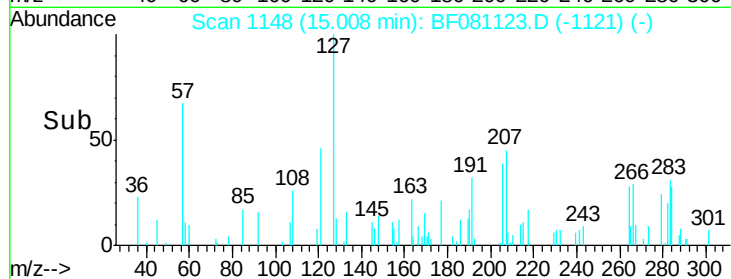
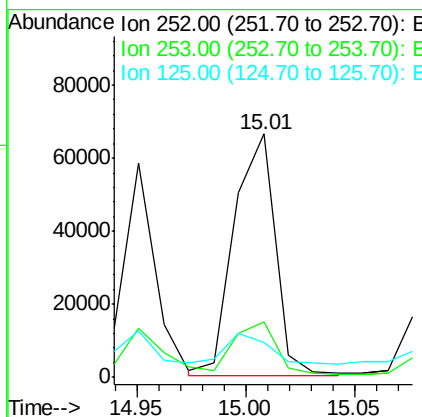
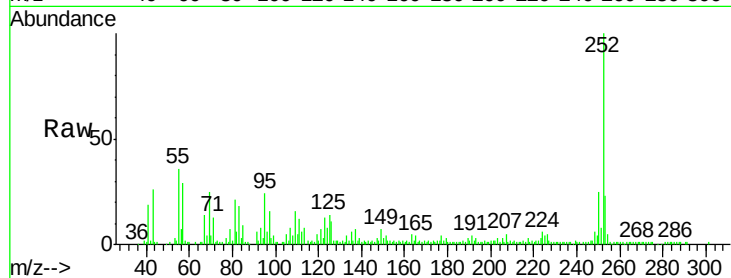
#89
Benzo(a)pyrene
Concen: 14.69 ng
RT: 15.01 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-4RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.6	25.0
125	14.5	7.8	11.8

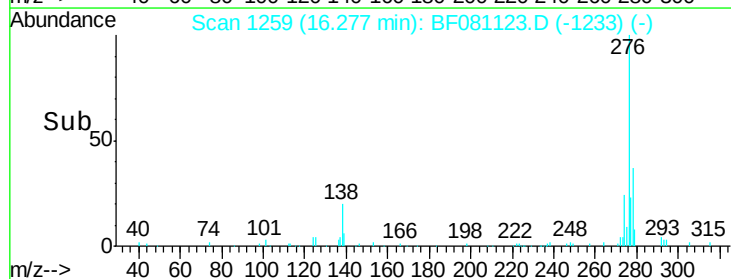
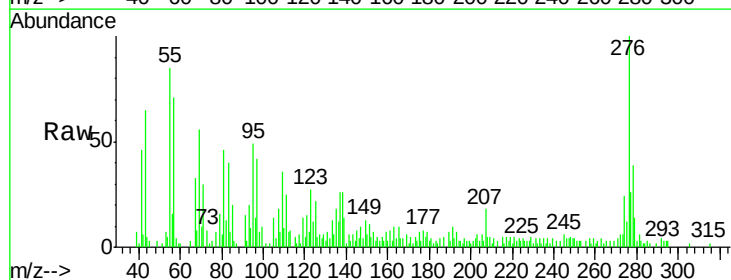
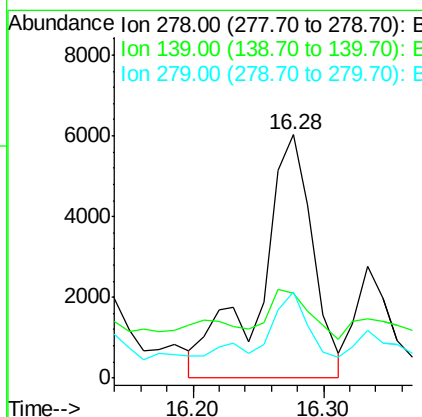
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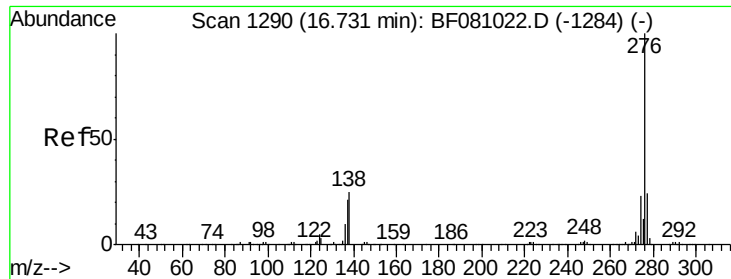
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#90
Dibenzo(a,h)anthracene
Concen: 3.71 ng
RT: 16.28 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BF081123.D
Acq: 20 Aug 2015 12:55

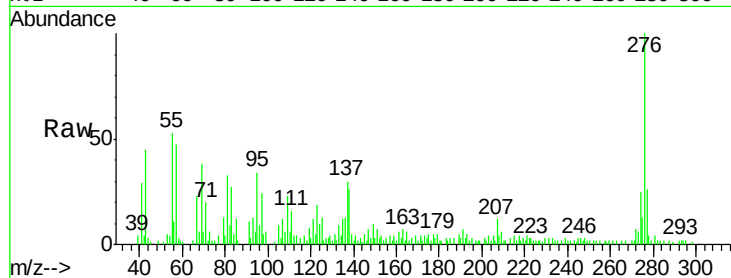
Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.1	10.8	16.2
279	35.4	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 8.80 ng
 RT: 16.63 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: BF081123.D
 Acq: 20 Aug 2015 12:55

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-4RE



Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.2	27.2
138	25.8	13.7	20.5

Manual Integrations
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 8/20/2015 3:42:29 PM

