

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081158.D
 Acq On : 21 Aug 2015 21:50
 Operator : UM/IZ
 Sample : G3363-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2

Manual Integrations
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 8/24/2015 11:24:09 AM

Quant Time: Aug 22 00:18:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 23:26:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	66685	20.00	ng	-0.01
21) Naphthalene-d8	7.84	136	299175	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	129394	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	266629	20.00	ng	0.00
75) Chrysene-d12	13.68	240	163299	20.00	ng	0.01
86) Perylene-d12	15.01	264	148195	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	553571	124.86	ng	0.02
7) Phenol-d6	6.21	99	721874	124.79	ng	0.00
23) Nitrobenzene-d5	7.13	82	559338	85.41	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	136401	121.61	ng	0.00
44) 2-Fluorobiphenyl	8.93	172	806862	81.70	ng	0.00
78) Terphenyl-d14	12.64	244	633917	83.22	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.86	128	192770	11.56	ng	98
37) 2-Methylnaphthalene	8.55	142	66399	6.30	ng	97
49) Dimethylphthalate	9.32	163	151532	14.22	ng	98
51) Acenaphthene	9.61	154	153144	15.62	ng	98
54) Dibenzofuran	9.78	168	166863	12.70	ng	94
57) Fluorene	10.13	166	180552	17.86	ng	98
70) Phenanthrene	11.09	178	1487303	94.12	ng	97
71) Anthracene	11.13	178	456219	29.67	ng	99
72) Carbazole	11.28	167	207916	14.04	ng	99
74) Fluoranthene	12.28	202	1819786	106.72	ng	98
77) Pyrene	12.49	202	1288955	97.09	ng	97
79) Butylbenzylphthalate	13.12	149	17849	3.13	ng	# 87
80) Benzo(a)anthracene	13.67	228	653061	59.63	ng	99
82) Chrysene	13.71	228	517836m	52.47	ng	
83) Bis(2-ethylhexyl)phthalate	13.68	149	34973	4.78	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.21	276	246671	35.60	ng	94
87) Benzo(b)fluoranthene	14.67	252	591846m	56.46	ng	
88) Benzo(k)fluoranthene	14.69	252	202964m	20.78	ng	
89) Benzo(a)pyrene	14.96	252	391155	42.83	ng	# 90
90) Dibenzo(a,h)anthracene	16.21	278	68195m	9.58	ng	
91) Benzo(g,h,i)perylene	16.56	276	204132	28.27	ng	# 92

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

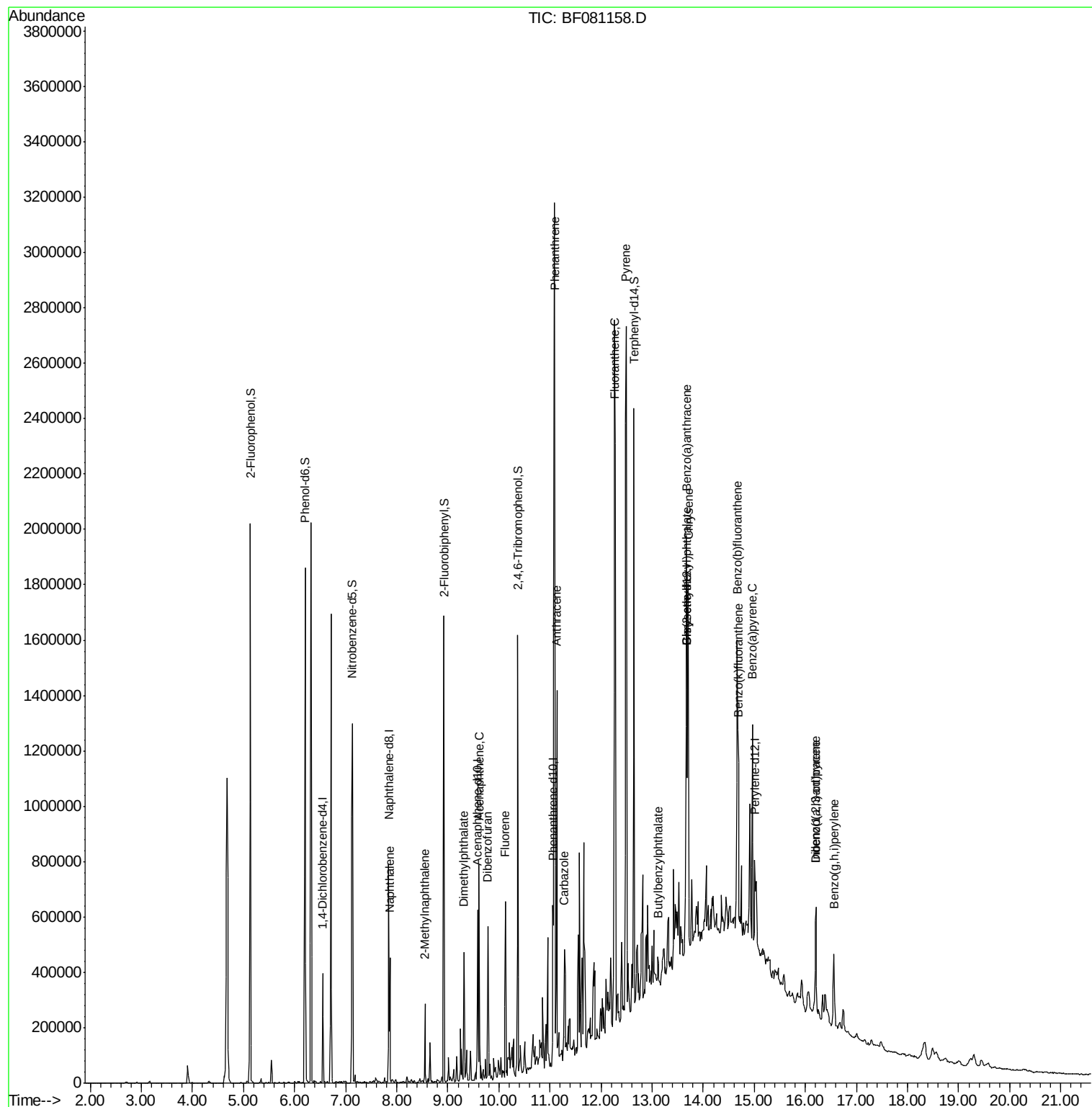
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081158.D
Acq On : 21 Aug 2015 21:50
Operator : UM/IZ
Sample : G3363-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

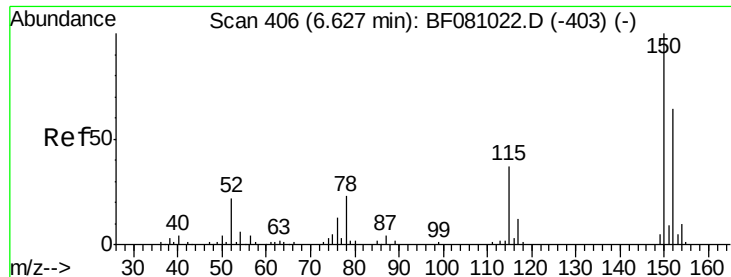
Instrument :
BNA_F
ClientSampleId :
TEC-C2

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8/24/2015 11:24:09 AM

Quant Time: Aug 22 00:18:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 21 23:26:22 2015
Response via : Initial Calibration





#1

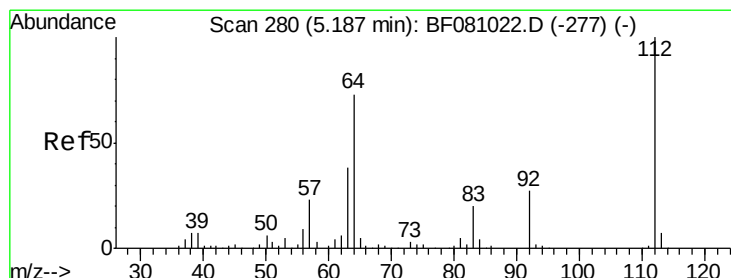
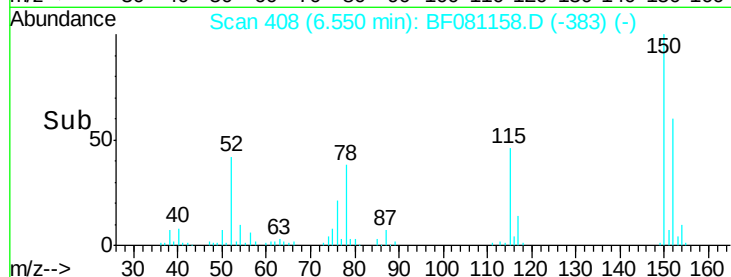
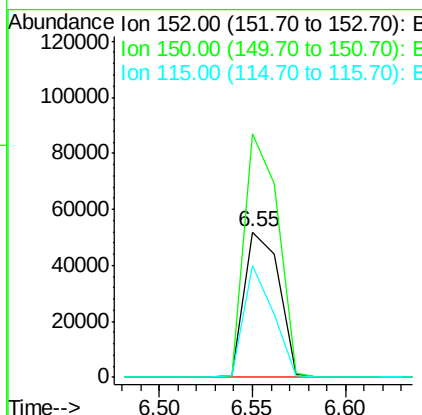
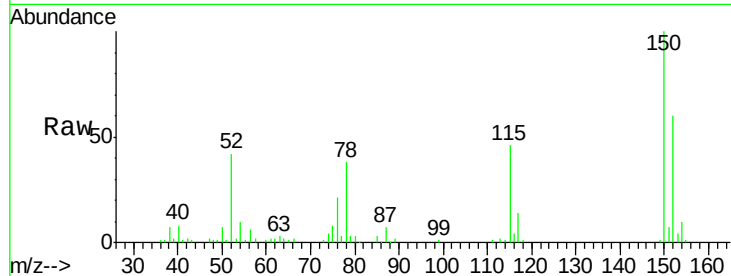
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Instrument :
BNA_F
ClientSampleId :
TEC-C2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	66685		
150	167.2	123.8	185.6	
115	77.2	52.1	78.1	

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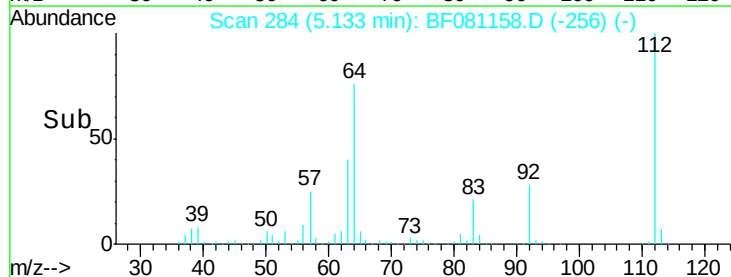
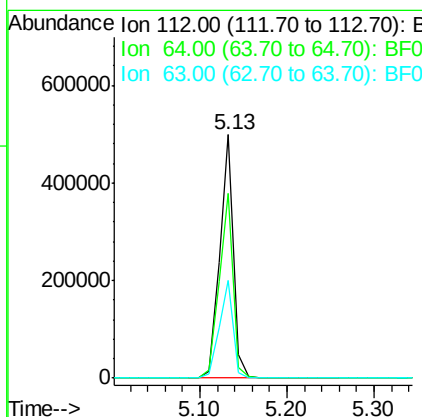
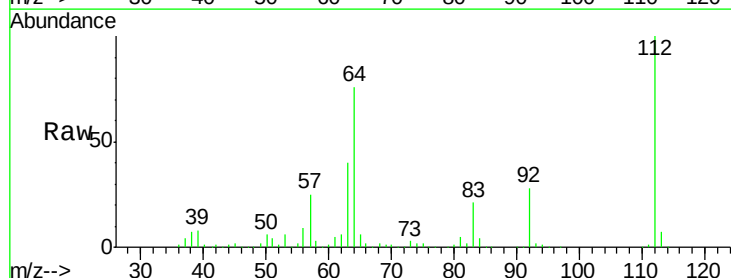
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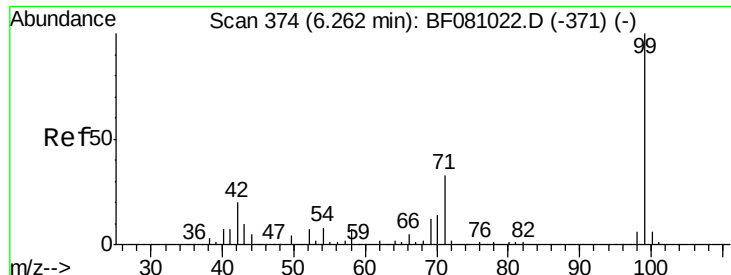


#5

2-Fluorophenol
Concen: 124.86 ng
RT: 5.13 min Scan# 284
Delta R.T. 0.02 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	553571		
64	75.8	66.9	100.3	
63	40.3	38.1	57.1	





#7

Phenol-d6

Concen: 124.79 ng

RT: 6.21 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF081158.D

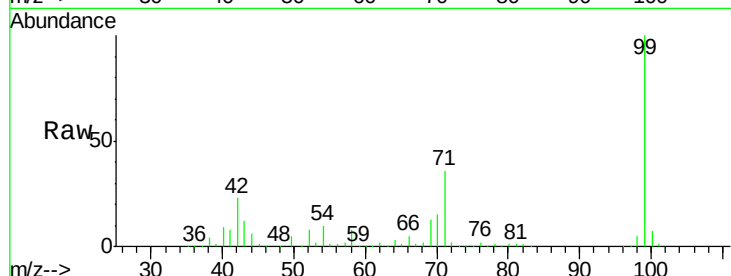
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampleId :

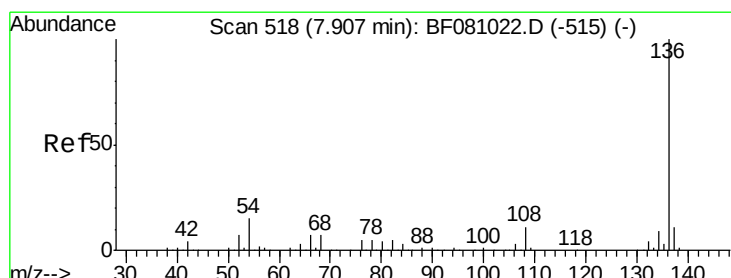
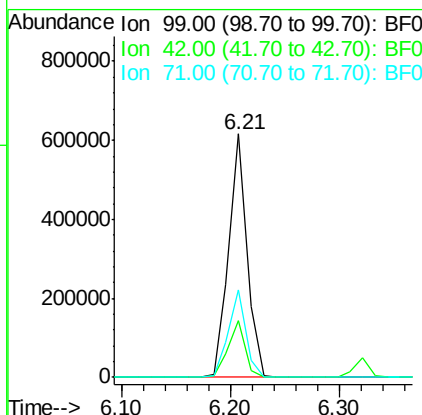
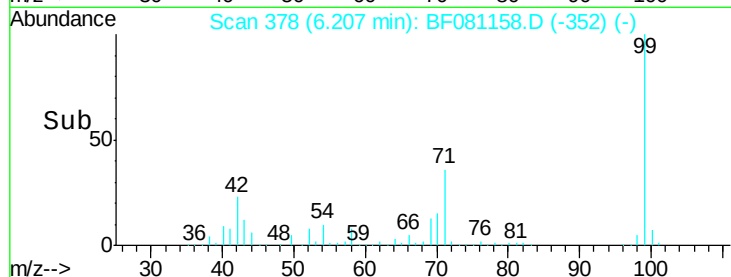
TEC-C2



Tgt Ion:	99	Resp:	721874
Ion Ratio	Lower	Upper	
99	100		
42	23.1	19.6	29.4
71	36.1	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

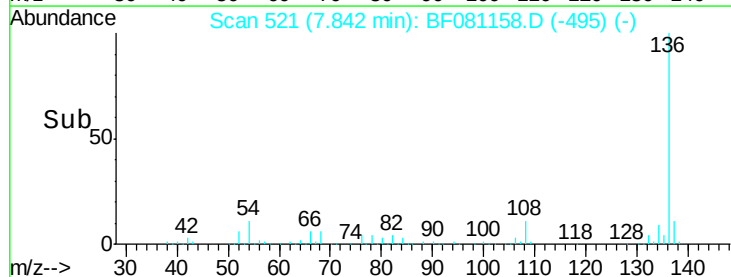
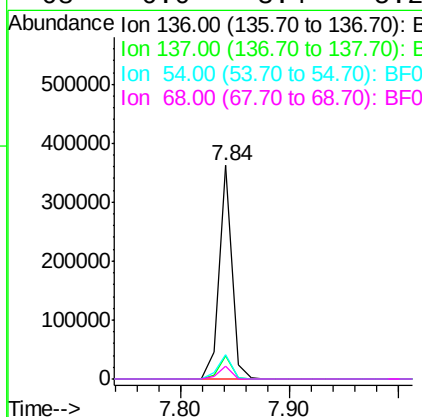
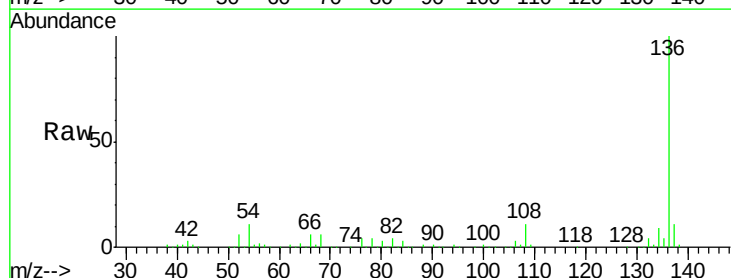
RT: 7.84 min Scan# 521

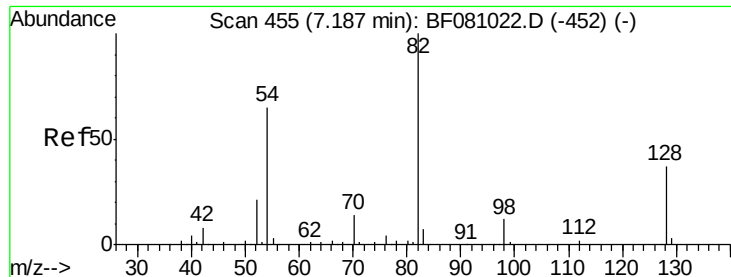
Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion:	136	Resp:	299175
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.2	12.2
54	11.4	7.7	11.5
68	6.0	3.4	5.2#





#23

Nitrobenzene-d5

Concen: 85.41 ng

RT: 7.13 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

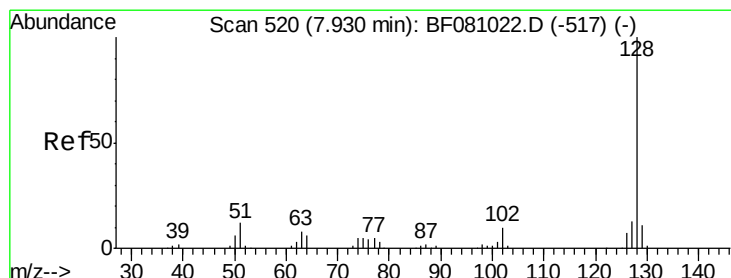
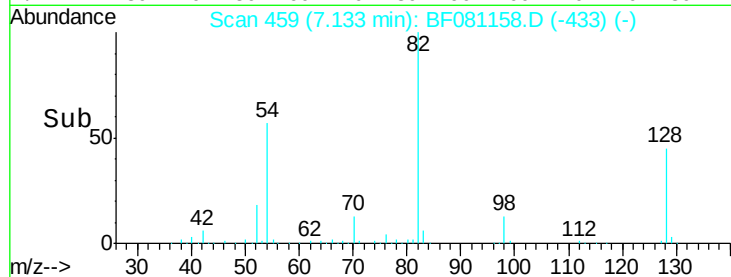
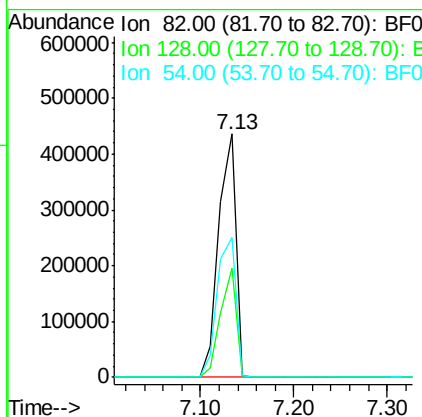
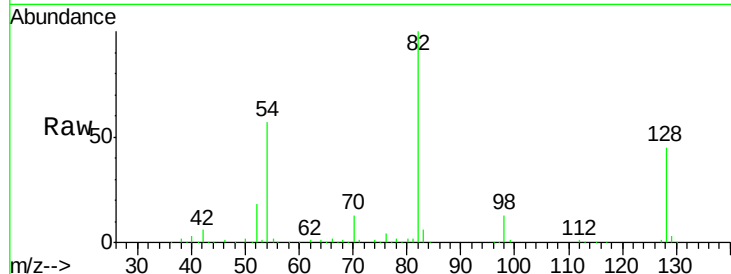
ClientSampleId :

TEC-C2

Tgt Ion:	82	Resp:	559338
Ion Ratio	Lower	Upper	
82	100		
128	44.9	28.6	42.8#
54	57.4	55.1	82.7

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#31

Naphthalene

Concen: 11.56 ng

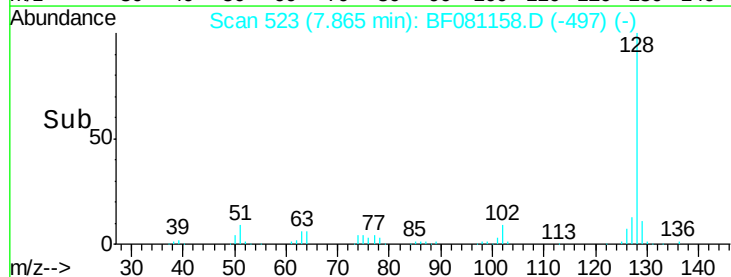
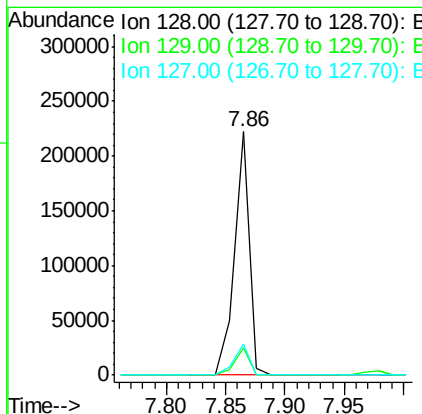
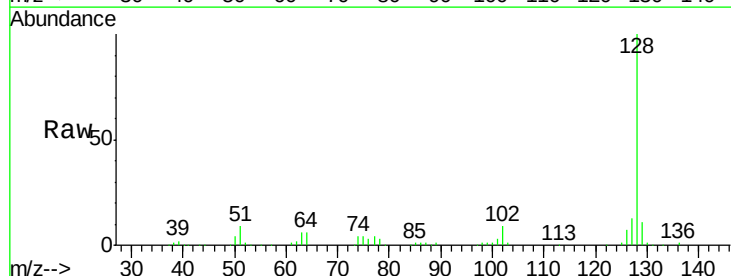
RT: 7.86 min Scan# 523

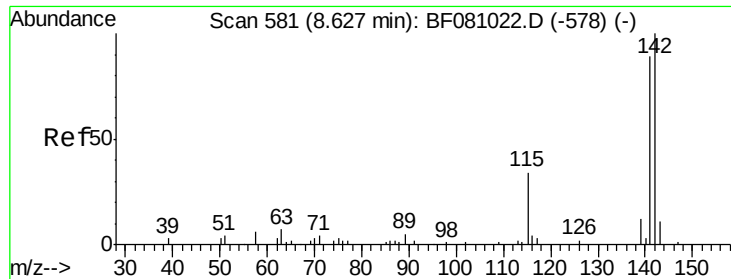
Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion:	128	Resp:	192770
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.4	12.6
127	12.6	10.6	16.0





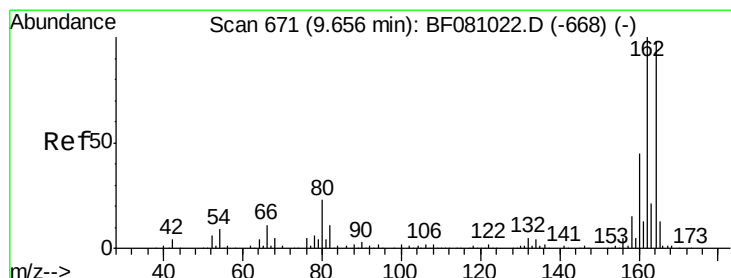
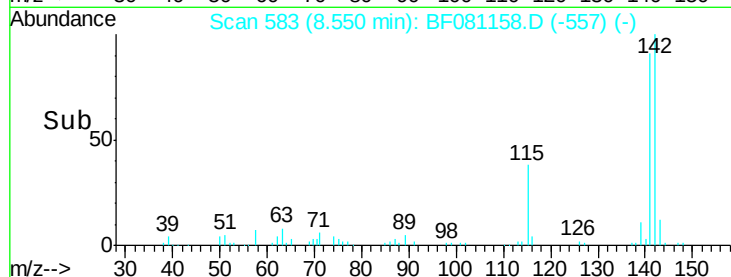
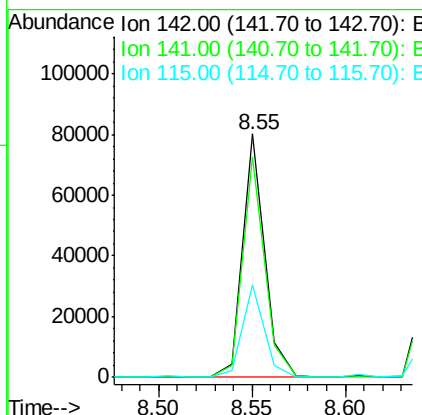
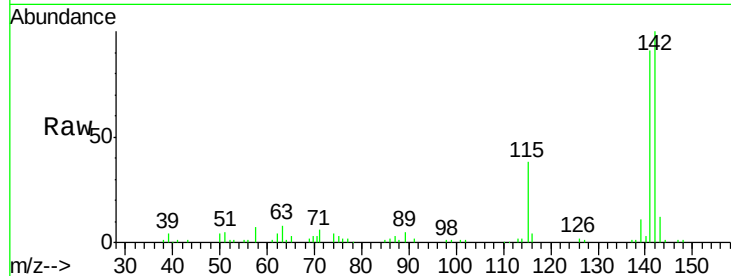
#37
2-Methylnaphthalene
Concen: 6.30 ng
RT: 8.55 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Instrument :
BNA_F
ClientSampleId :
TEC-C2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.4	107.2
115	37.9	33.4	50.0

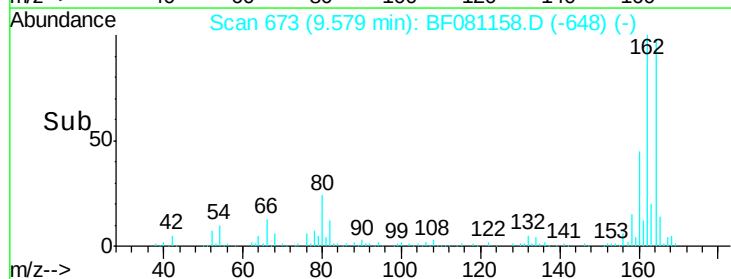
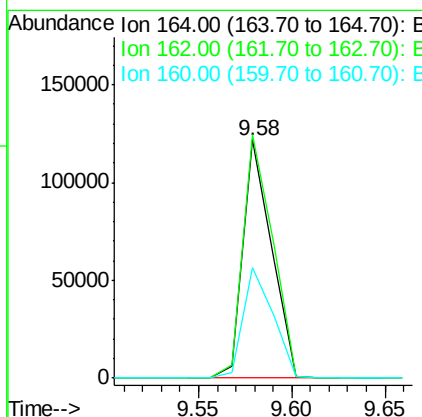
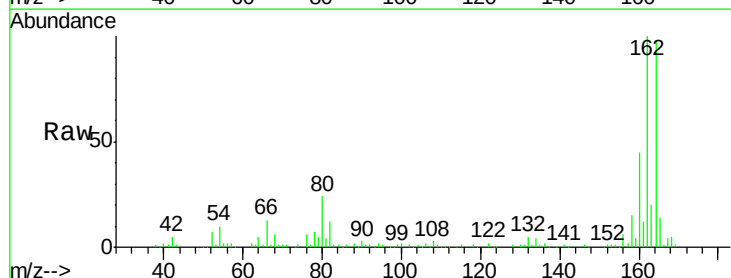
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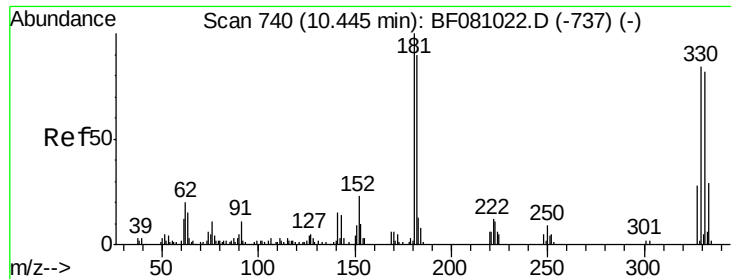
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.8	125.8
160	46.2	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 121.61 ng

RT: 10.37 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF081158.D

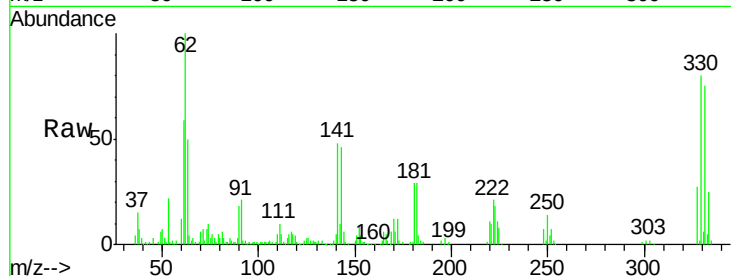
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampleId :

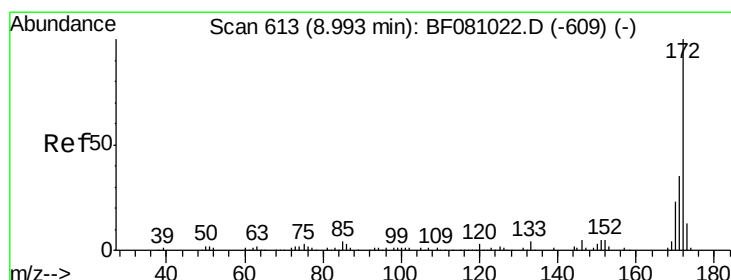
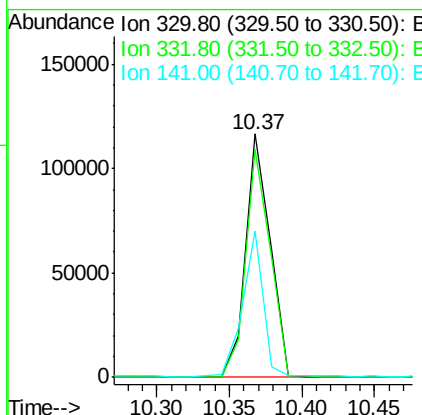
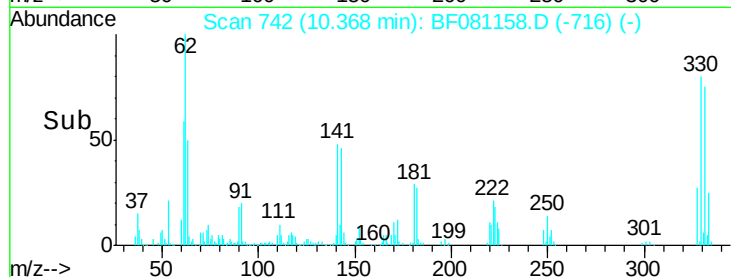
TEC-C2



Tgt Ion:	330	Resp:	136401
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.3	115.9
141	50.6	44.9	67.3

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#44

2-Fluorobiphenyl

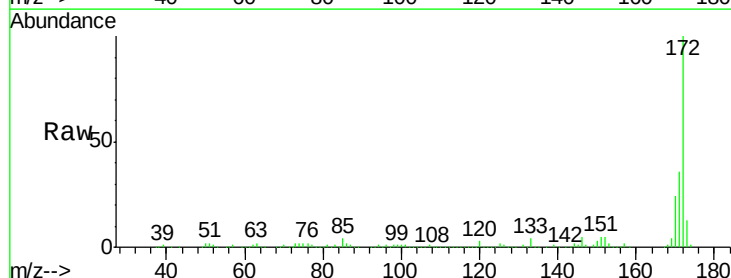
Concen: 81.70 ng

RT: 8.93 min Scan# 616

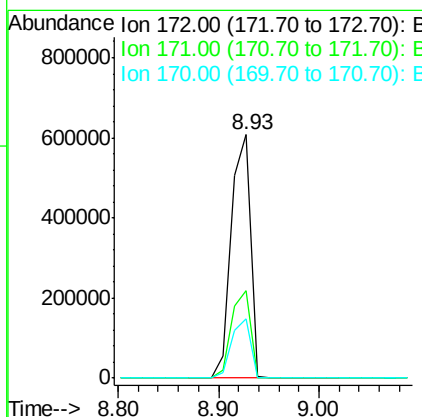
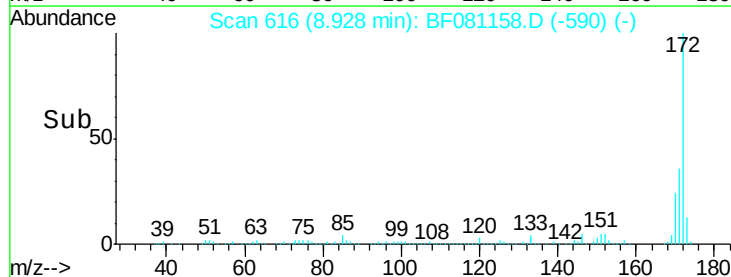
Delta R.T. -0.00 min

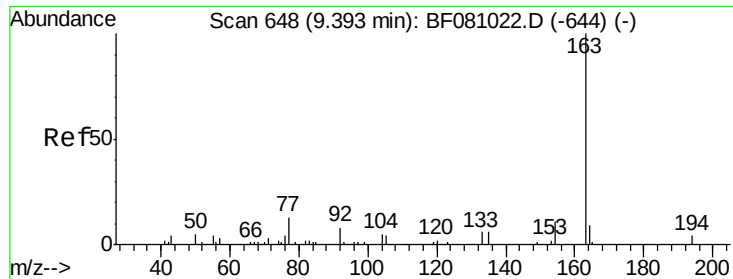
Lab File: BF081158.D

Acq: 21 Aug 2015 21:50



Tgt Ion:	172	Resp:	806862
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.9	43.3
170	24.2	19.4	29.2





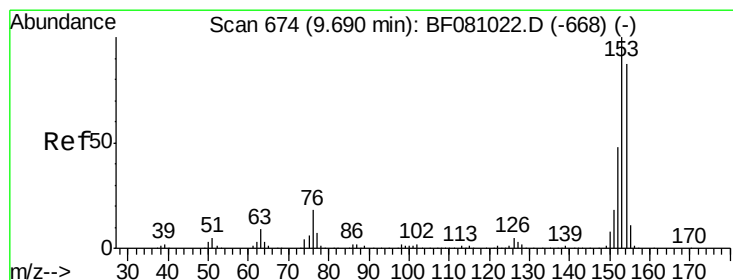
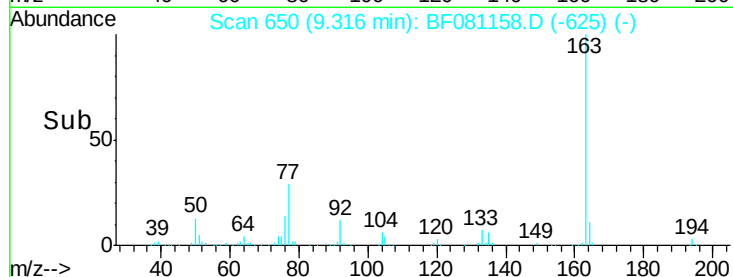
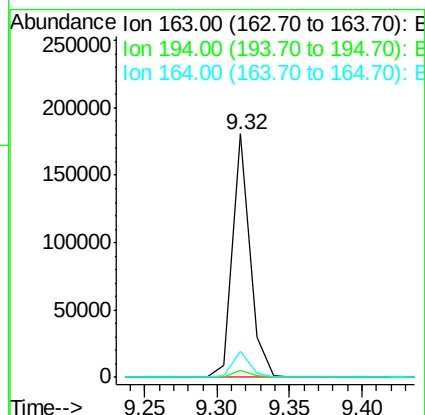
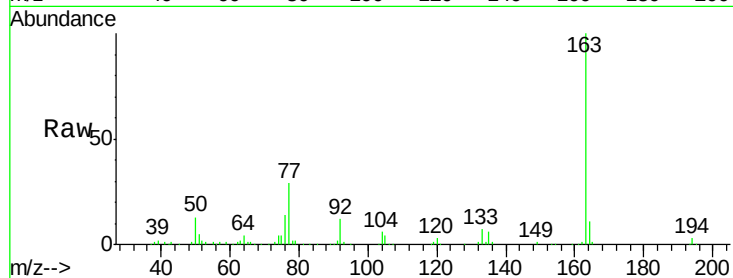
#49
Dimethylphthalate
Concen: 14.22 ng
RT: 9.32 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Instrument :
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ClientSampleId :
TEC-C2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.9	2.5	3.7
164	10.8	8.1	12.1

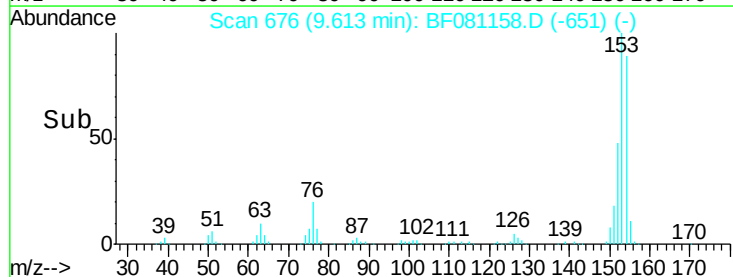
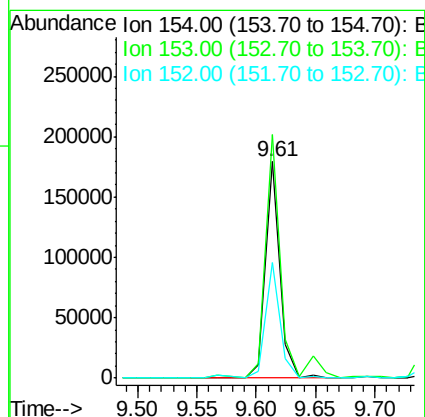
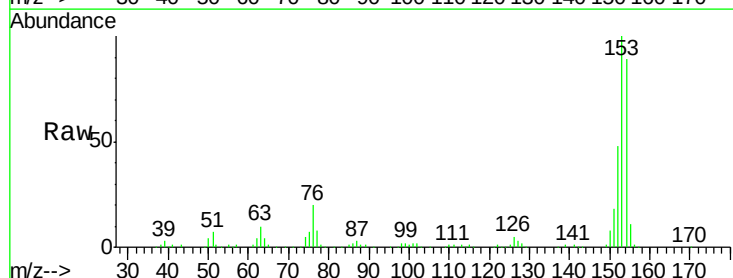
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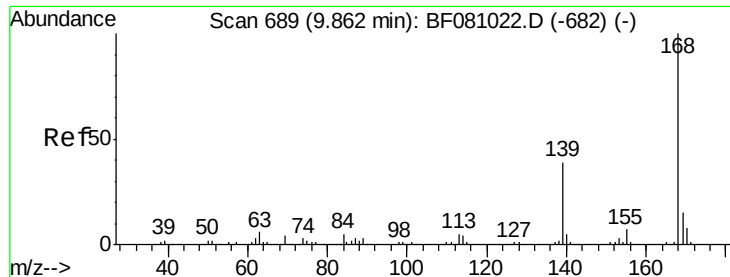
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#51
Acenaphthene
Concen: 15.62 ng
RT: 9.61 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.4	91.4	137.2
152	53.5	43.7	65.5





#54

Dibenzenofuran

Concen: 12.70 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF081158.D

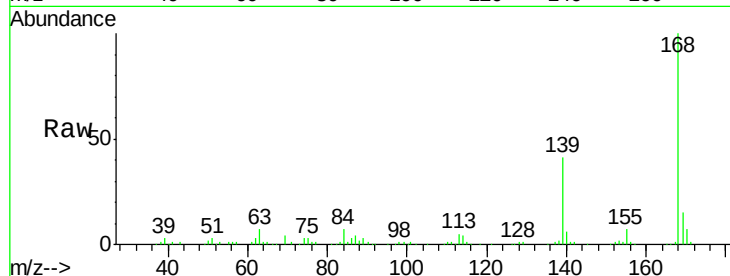
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampleId :

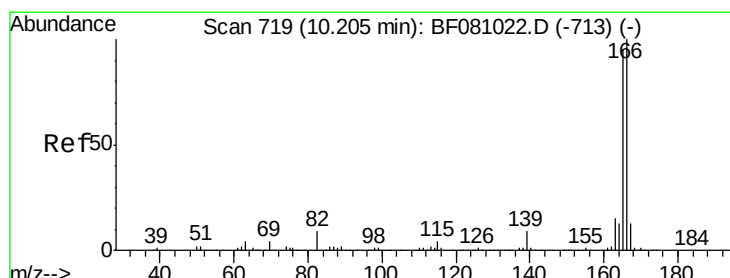
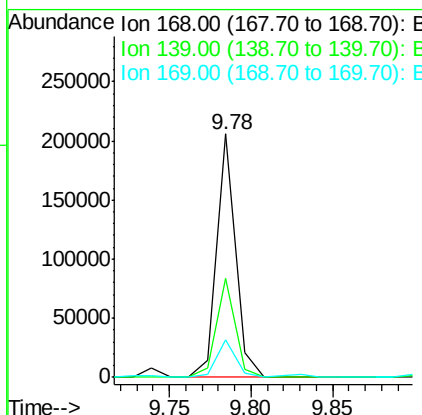
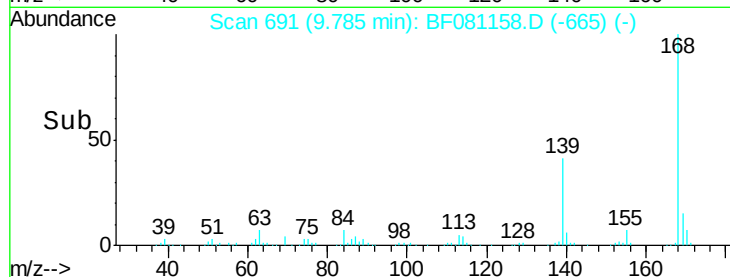
TEC-C2



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	166863		
139	40.6	29.3	43.9	
169	15.2	10.3	15.5	

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#57

Fluorene

Concen: 17.86 ng

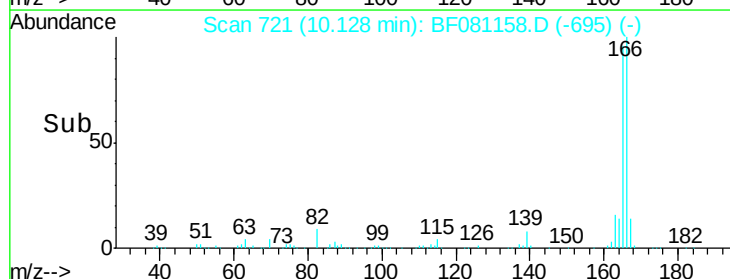
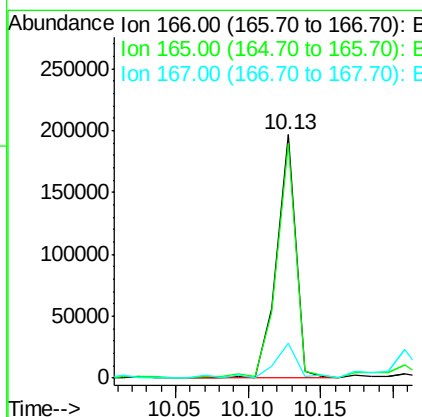
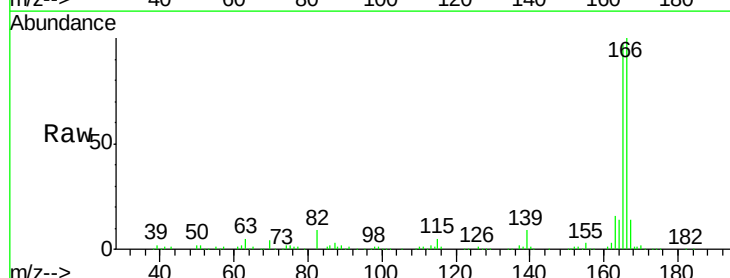
RT: 10.13 min Scan# 721

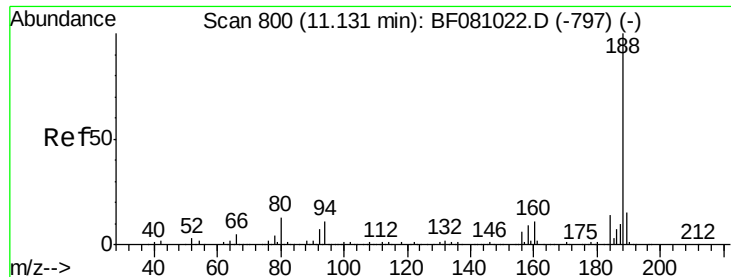
Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	180552		
165	96.5	75.8	113.8	
167	14.2	11.3	16.9	





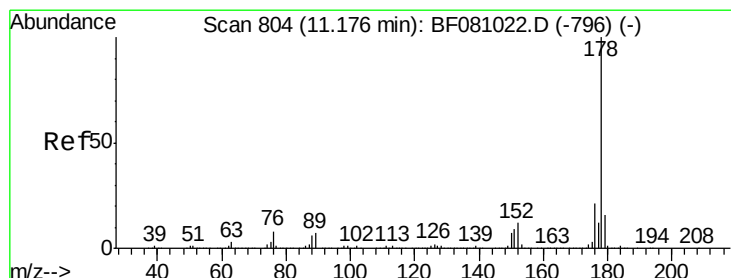
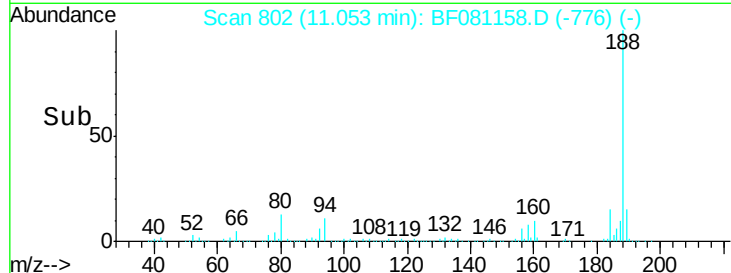
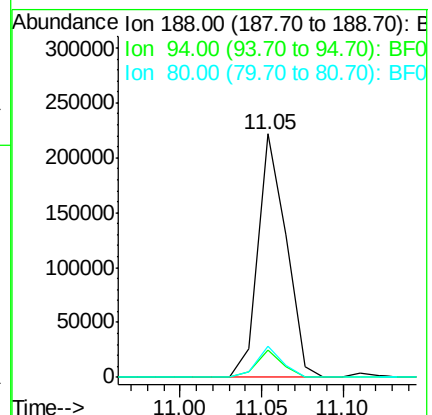
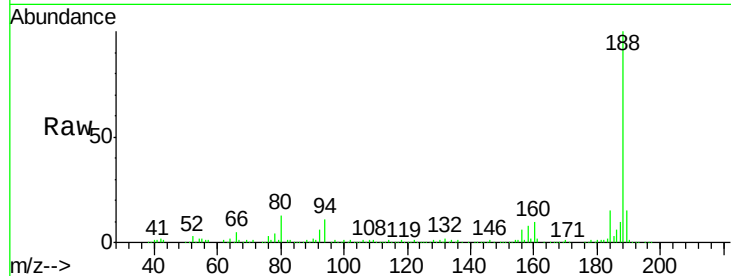
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Instrument :
BNA_F
ClientSampleId :
TEC-C2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	266629		
94	11.2		8.2	12.2
80	12.8		9.5	14.3

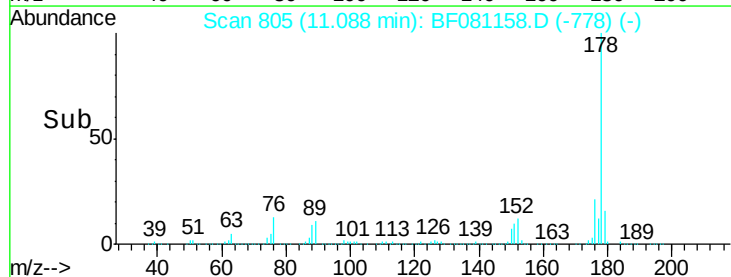
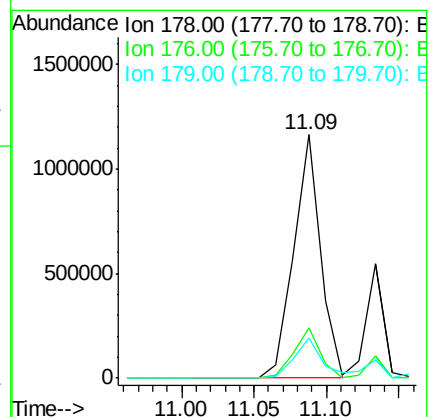
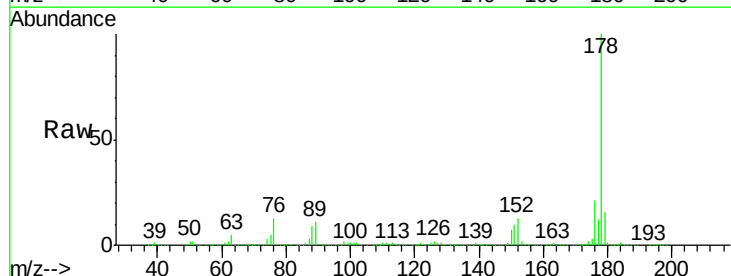
Manual Integrations
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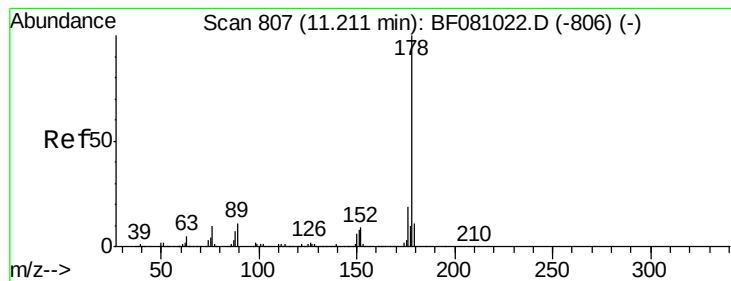
MMDadoda
8/24/2015 11:24:09 AM



#70
Phenanthrene
Concen: 94.12 ng
RT: 11.09 min Scan# 805
Delta R.T. 0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1487303		
176	20.9		15.7	23.5
179	16.4		12.2	18.2





#71

Anthracene

Concen: 29.67 ng

RT: 11.13 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

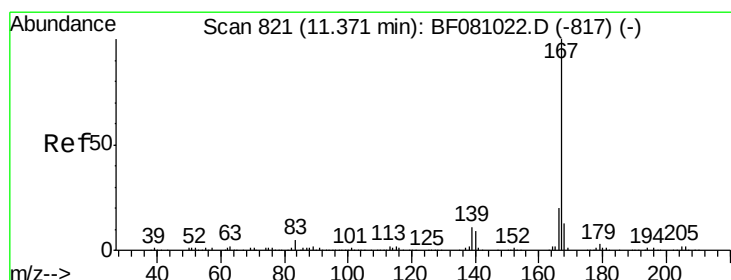
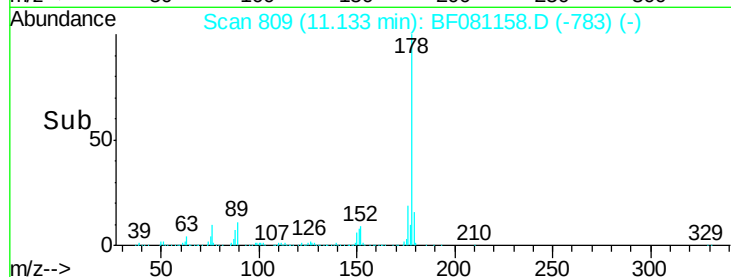
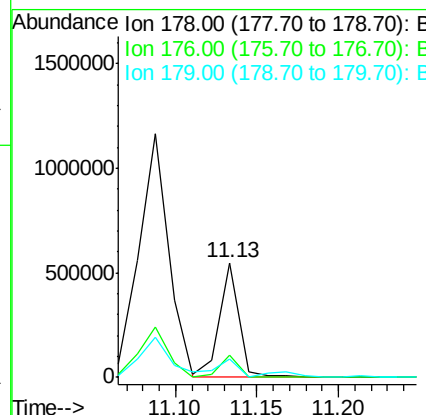
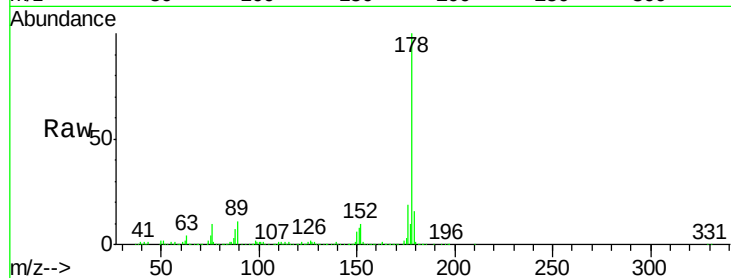
ClientSampleId :

TEC-C2

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Tgt Ion:	178	Resp:	456219
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.7	23.5
179	15.6	12.7	19.1



#72

Carbazole

Concen: 14.04 ng

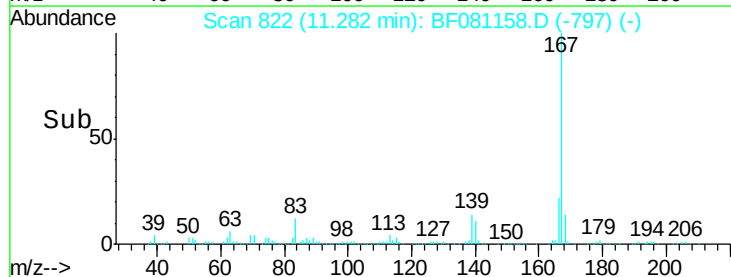
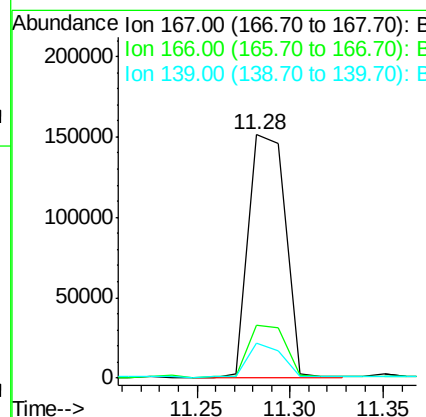
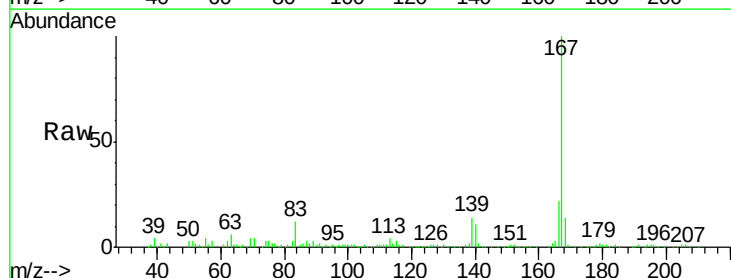
RT: 11.28 min Scan# 822

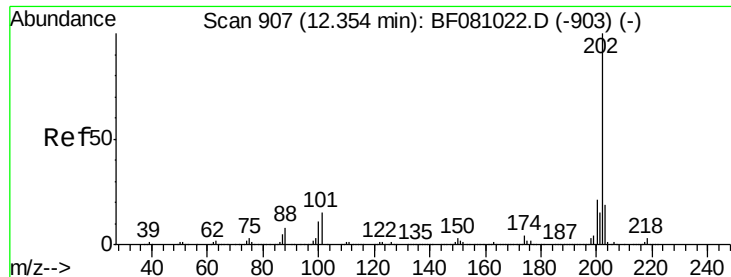
Delta R.T. -0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion:	167	Resp:	207916
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.4	26.0
139	14.5	10.6	16.0





#74

Fluoranthene

Concen: 106.72 ng

RT: 12.28 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF081158.D

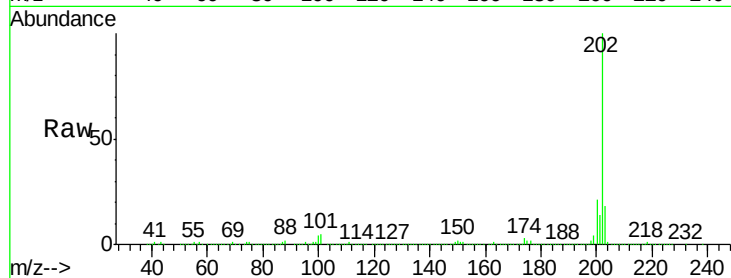
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampled :

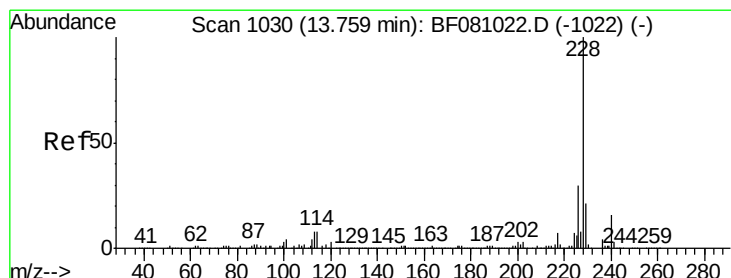
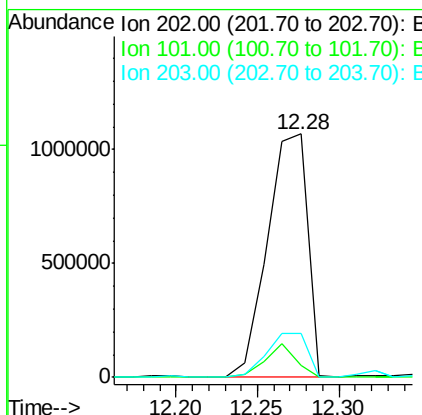
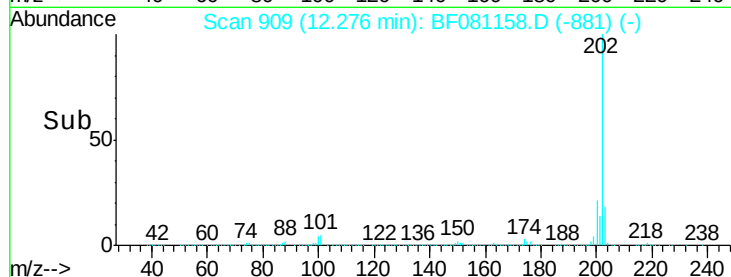
TEC-C2



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1819786		
101	5.0	0.0	24.8	
203	17.9	0.0	36.9	

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#75

Chrysene-d12

Concen: 20.00 ng

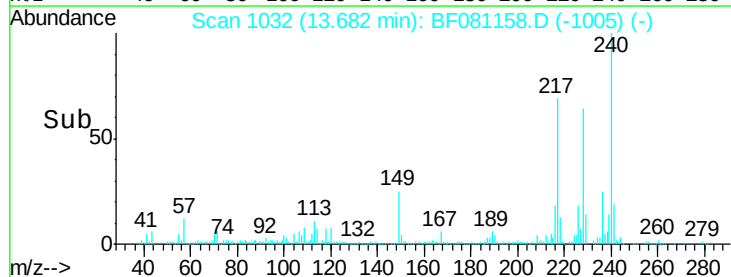
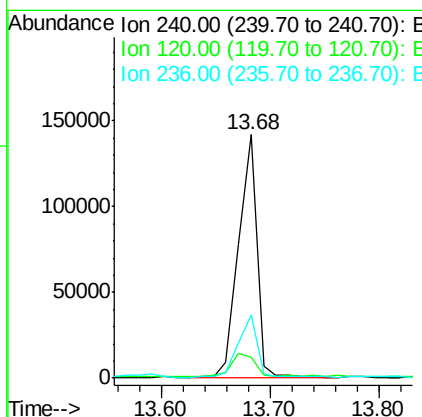
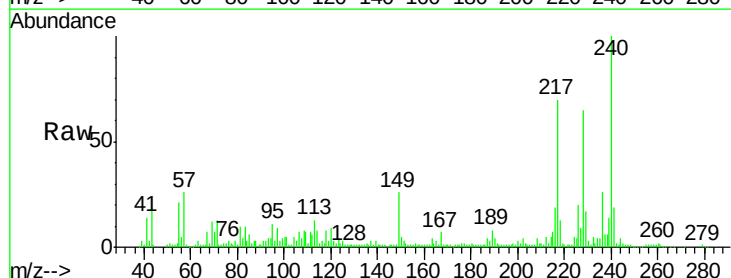
RT: 13.68 min Scan# 1032

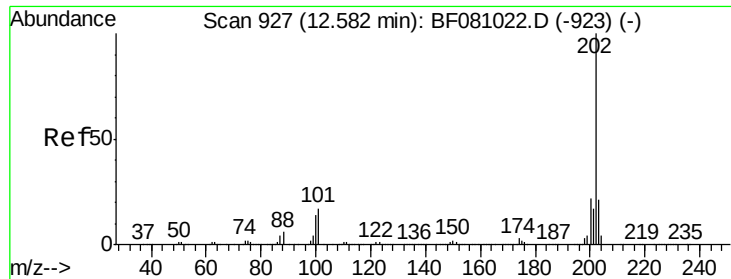
Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	163299		
120	8.8	5.6	8.4#	
236	25.8	20.6	30.8	





#77

Pyrene

Concen: 97.09 ng

RT: 12.49 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

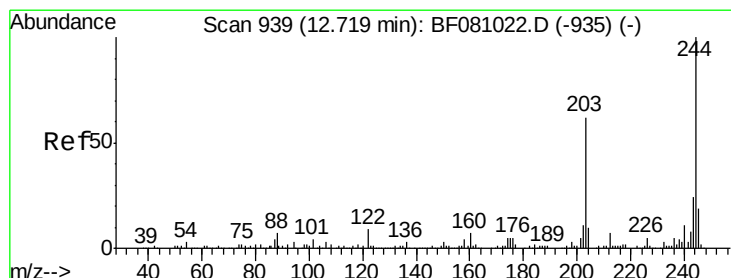
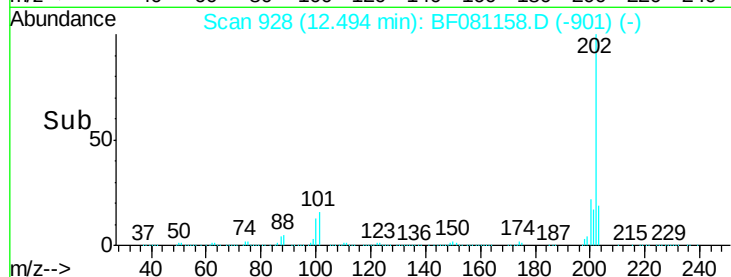
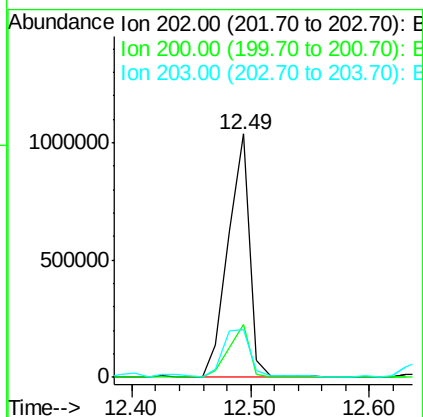
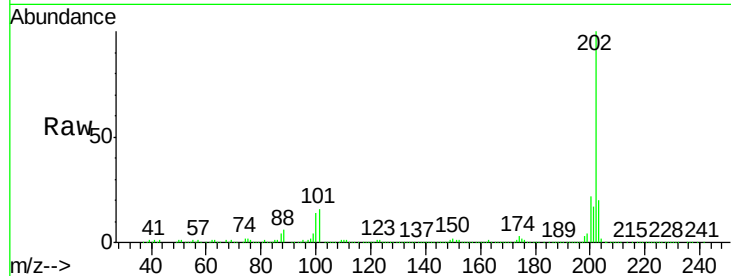
ClientSampleId :

TEC-C2

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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		1288955		
200	21.6	16.6	24.8		
203	19.7	14.1	21.1		



#78

Terphenyl-d14

Concen: 83.22 ng

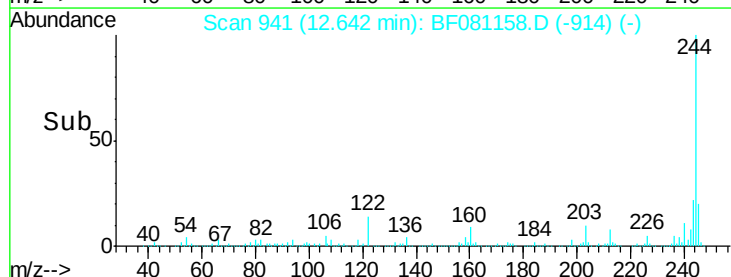
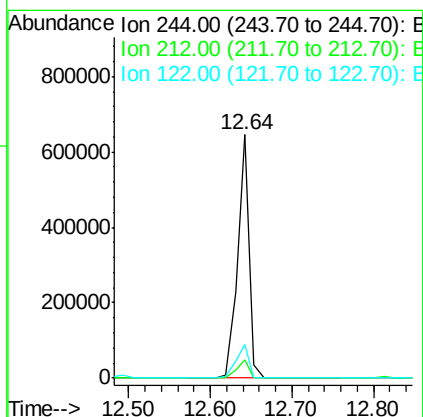
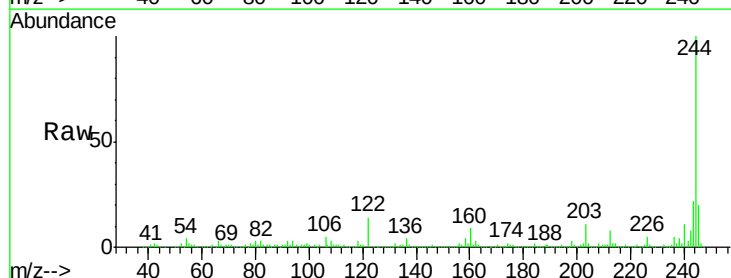
RT: 12.64 min Scan# 941

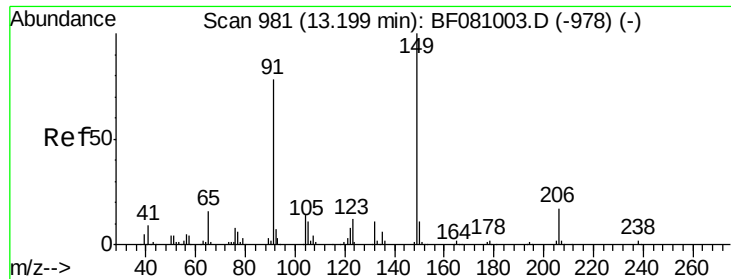
Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		633917		
212	7.6	5.8	8.8		
122	13.9	8.2	12.4#		





#79

Butylbenzylphthalate

Concen: 3.13 ng

RT: 13.12 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

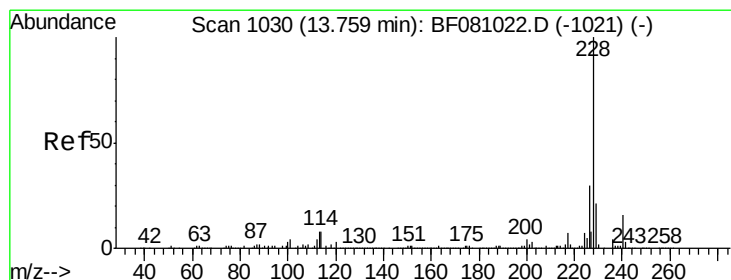
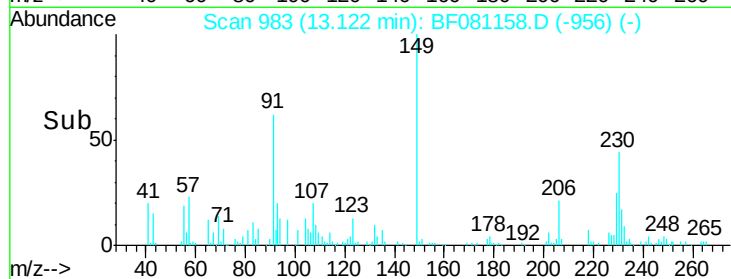
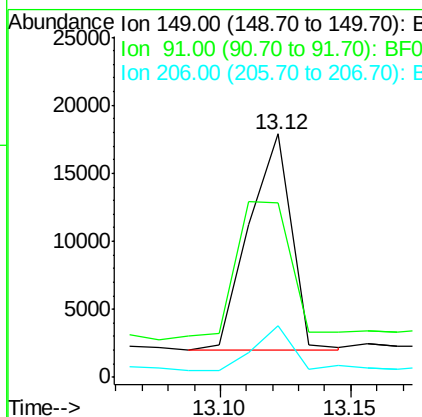
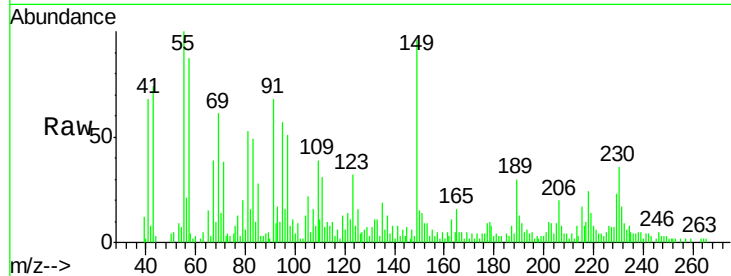
ClientSampleId :

TEC-C2

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Tgt Ion:	149	Resp:	17849
Ion Ratio	Lower	Upper	
149	100		
91	71.6	46.9	70.3#
206	21.2	17.0	25.4



#80

Benzo(a)anthracene

Concen: 59.63 ng

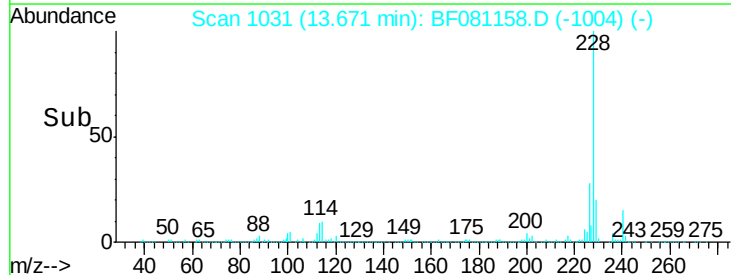
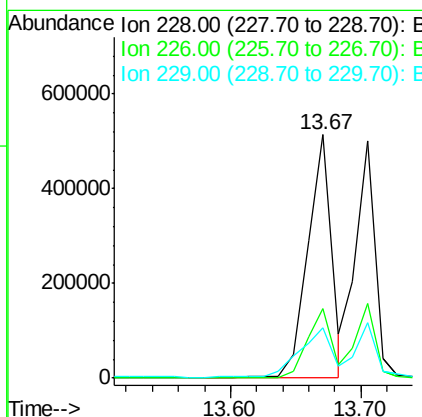
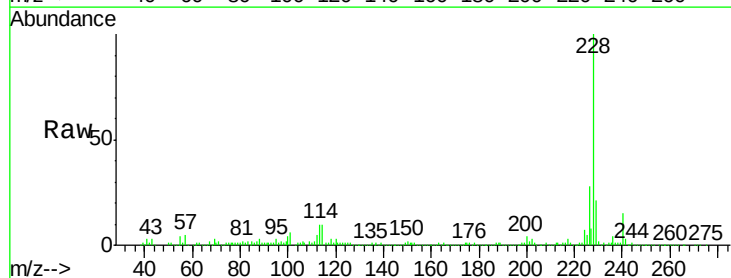
RT: 13.67 min Scan# 1031

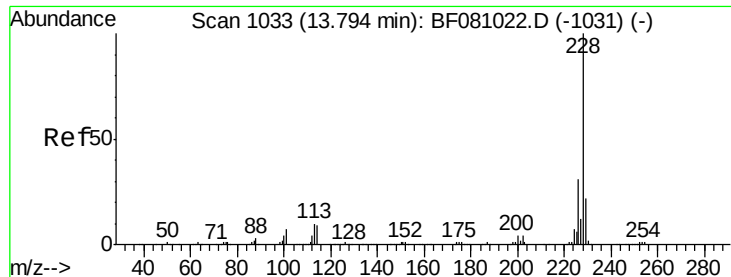
Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion:	228	Resp:	653061
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.3	33.5
229	20.7	15.9	23.9





#82

Chrysene

Concen: 52.47 ng m

RT: 13.71 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

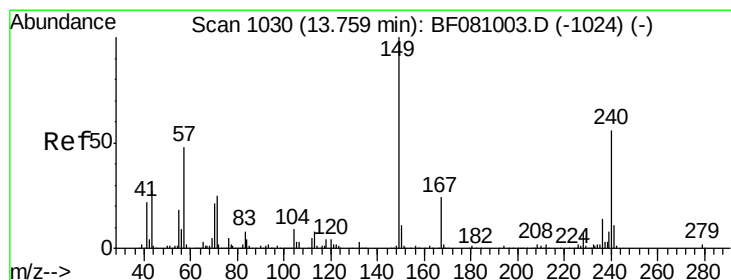
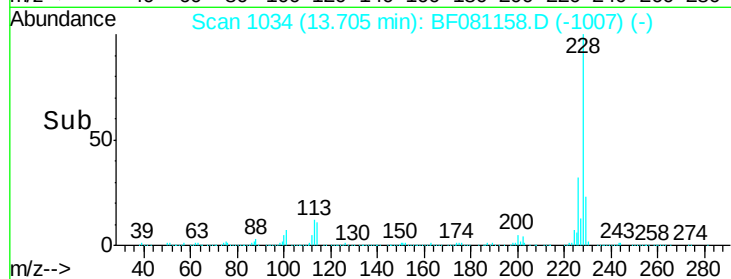
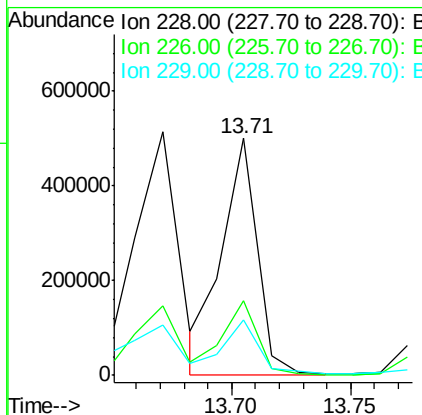
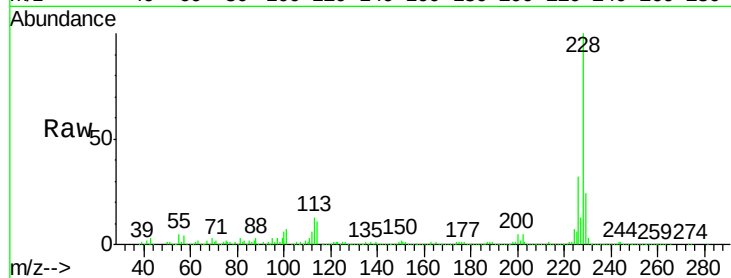
ClientSampleId :

TEC-C2

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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	517836		
226	31.6	24.4	36.6	
229	23.5	16.0	24.0	



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.78 ng

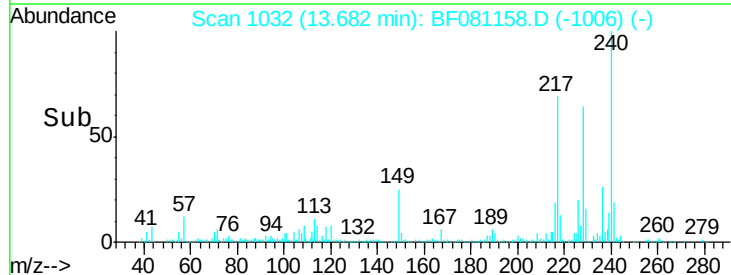
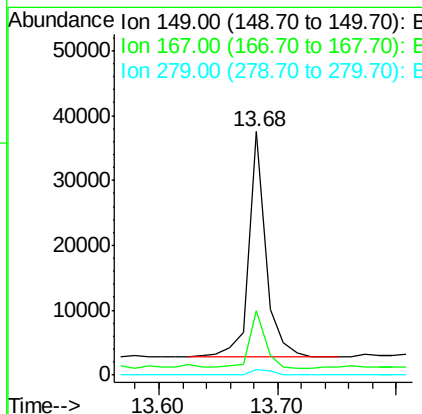
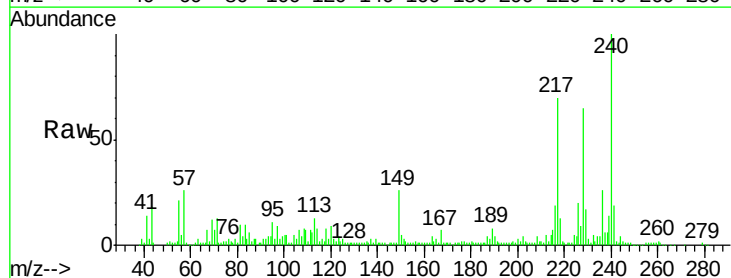
RT: 13.68 min Scan# 1032

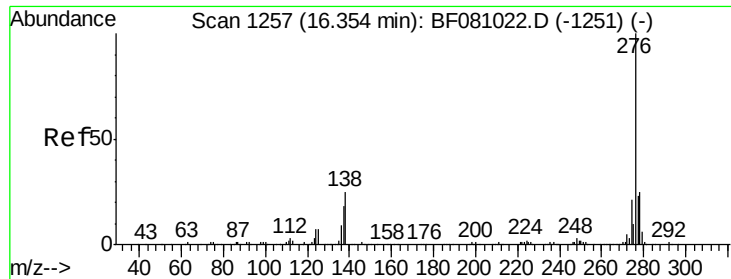
Delta R.T. -0.00 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	34973		
167	26.3	20.7	31.1	
279	2.1	2.2	3.4#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.60 ng

RT: 16.21 min Scan# 1253

Delta R.T. 0.02 min

Lab File: BF081158.D

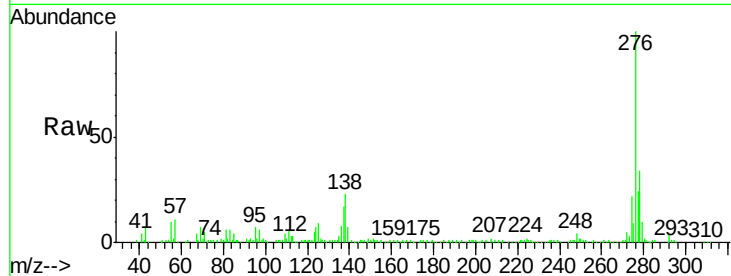
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampleId :

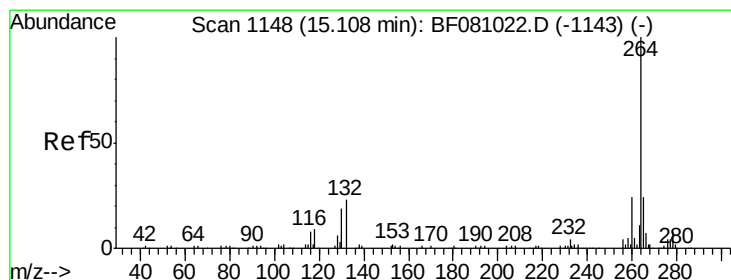
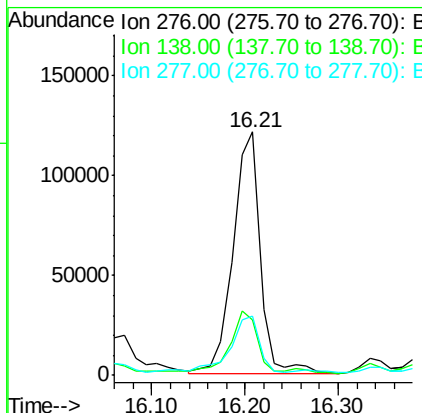
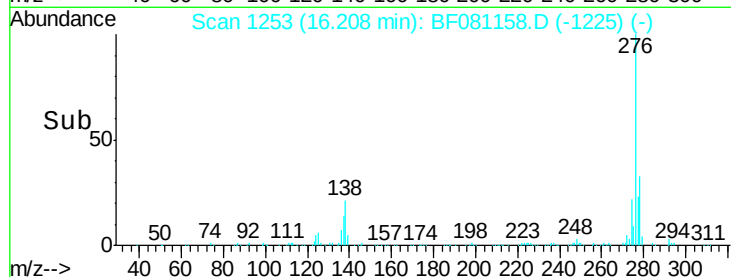
TEC-C2



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	246671		
138	26.5	18.6	28.0	
277	27.2	19.8	29.8	

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MMDadoda
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#86

Perylene-d12

Concen: 20.00 ng

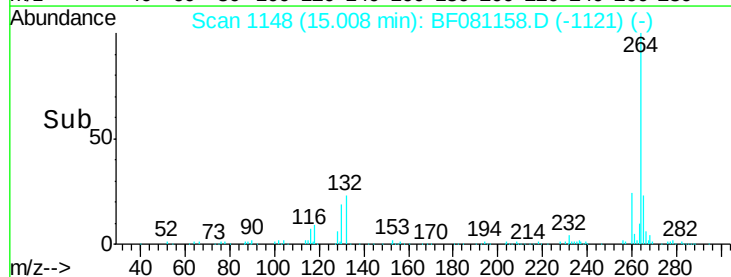
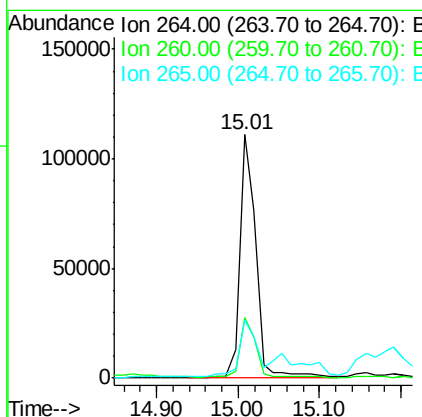
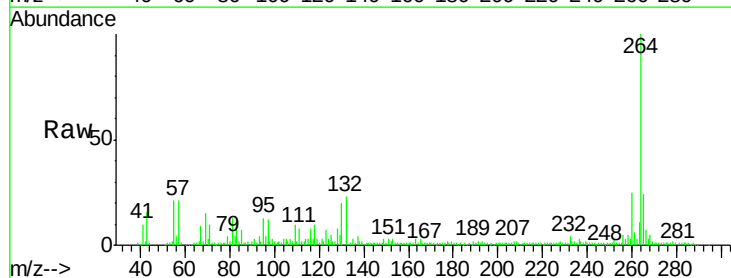
RT: 15.01 min Scan# 1148

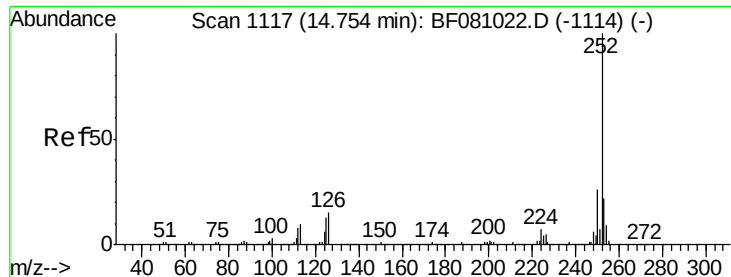
Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	148195		
260	24.9	19.6	29.4	
265	24.0	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 56.46 ng m

RT: 14.67 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BF081158.D

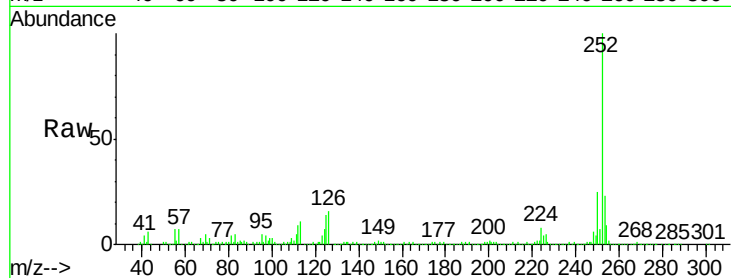
Acq: 21 Aug 2015 21:50

Instrument :

BNA_F

ClientSampleId :

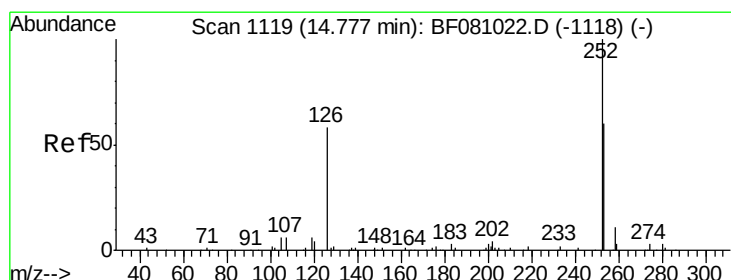
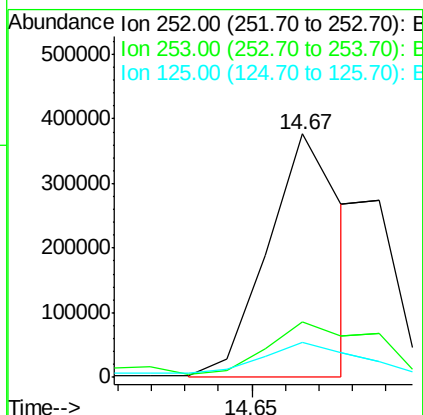
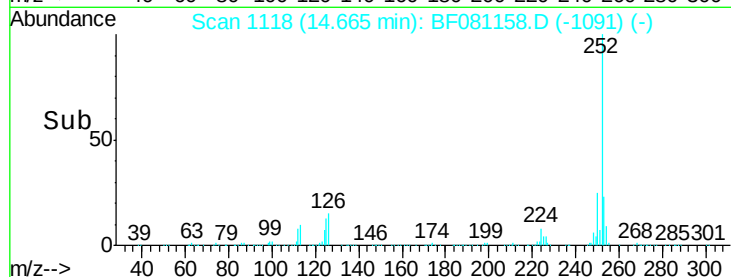
TEC-C2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.5	8.0	12.0

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 20.78 ng m

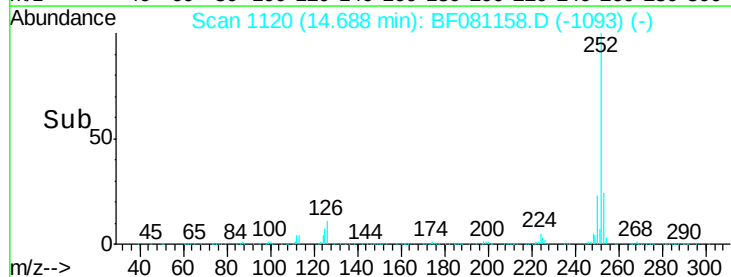
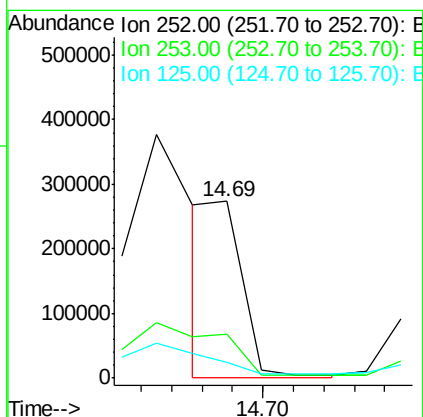
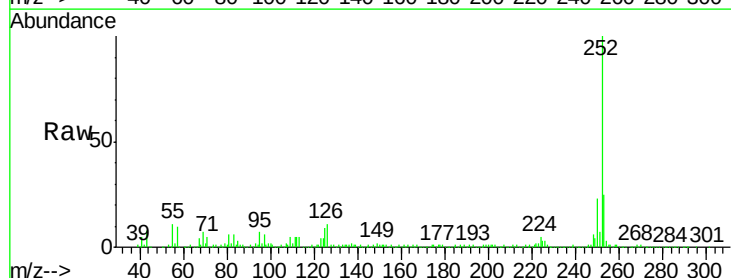
RT: 14.69 min Scan# 1120

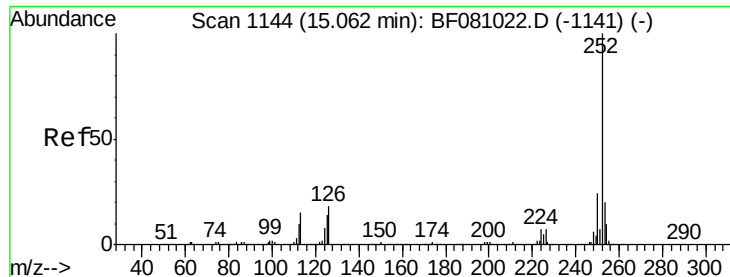
Delta R.T. 0.01 min

Lab File: BF081158.D

Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	9.2	10.3	15.5





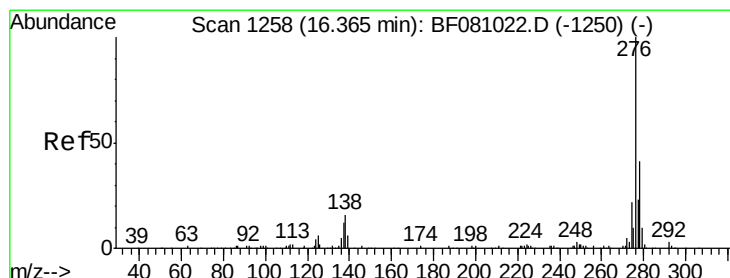
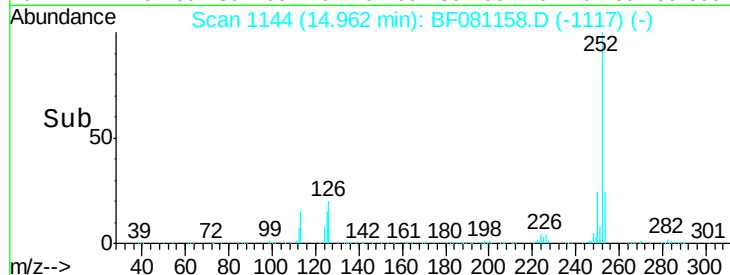
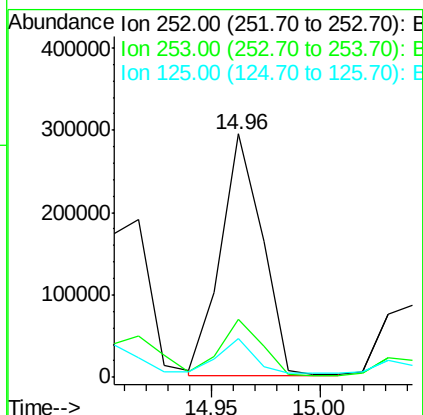
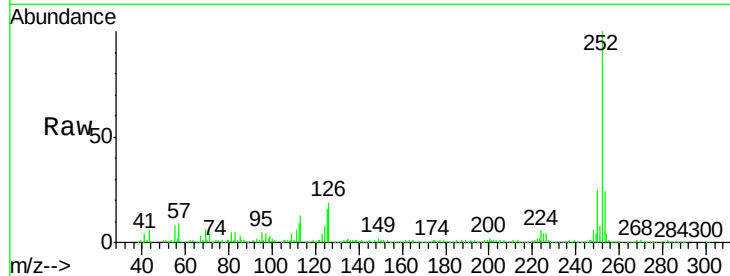
#89
Benzo(a)pyrene
Concen: 42.83 ng
RT: 14.96 min Scan# 1144
Delta R.T. 0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Instrument :
BNA_F
ClientSampleId :
TEC-C2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	16.6	25.0
125	16.2	7.8	11.8

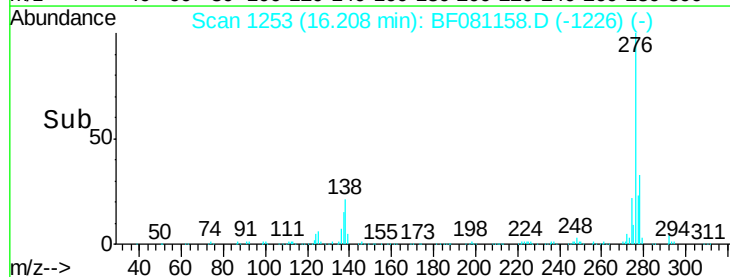
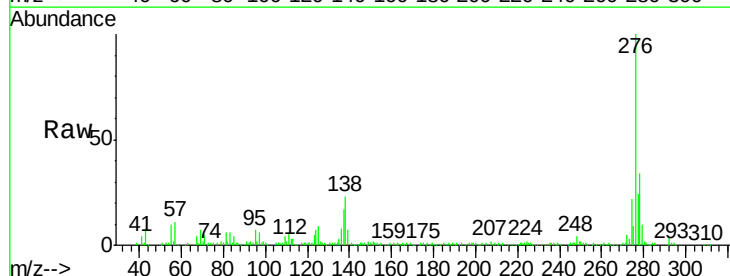
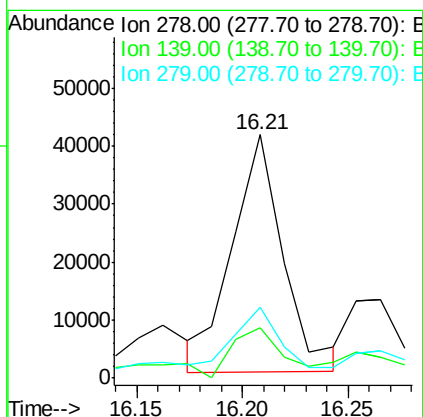
Manual Integrations
APPROVED

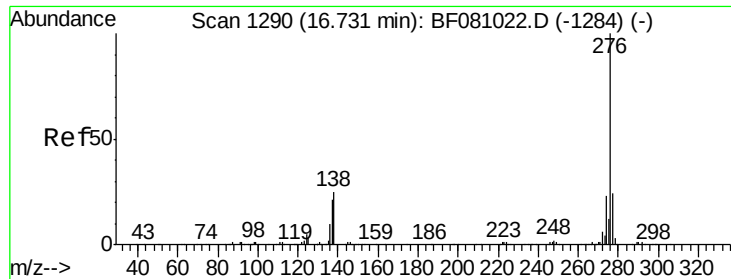
MMDadoda
8/24/2015 11:24:09 AM



#90
Dibenzo(a,h)anthracene
Concen: 9.58 ng m
RT: 16.21 min Scan# 1253
Delta R.T. 0.01 min
Lab File: BF081158.D
Acq: 21 Aug 2015 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.4	10.8	16.2
279	28.9	19.0	28.6





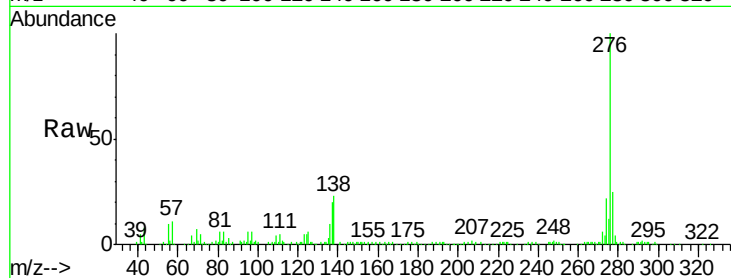
#91
 Benzo(g,h,i)perylene
 Concen: 28.27 ng
 RT: 16.56 min Scan# 1284
 Delta R.T. 0.02 min
 Lab File: BF081158.D
 Acq: 21 Aug 2015 21:50

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C2

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		204132		
277	25.0	18.2	27.2		
138	22.7	13.7	20.5		

Manual Integrations
 APPROVED

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 8/24/2015 11:24:09 AM



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

