

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077078.D
 Acq On : 27 Jan 2015 7:41
 Operator : TP/IZ
 Sample : G1137-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B2

Manual Integrations
 APPROVED

apatel
 1/28/2015 5:42:37 PM

Quant Time: Jan 28 13:19:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 23 15:21:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	23988	20.00	ng	0.03
21) Naphthalene-d8	10.74	136	105556m	20.00	ng	0.07
38) Acenaphthene-d10	14.92	164	42919	20.00	ng	0.11
63) Phenanthrene-d10	17.72	188	87807m	20.00	ng	0.08
75) Chrysene-d12	21.16	240	81441	20.00	ng	0.01
86) Perylene-d12	22.79	264	80917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.80	112	137208	94.04	ng	0.02
7) Phenol-d6	7.19	99	170040	92.39	ng	0.02
23) Nitrobenzene-d5	9.09	82	100877	52.95	ng	0.01
41) 2,4,6-Tribromophenol	16.62	330	38870	111.57	ng	0.09
44) 2-Fluorobiphenyl	13.42	172	209064m	74.13	ng	0.08
78) Terphenyl-d14	19.91	244	213628	60.39	ng	0.03
Target Compounds						
31) Naphthalene	10.77	128	2188512m	402.71	ng	Qvalue
37) 2-Methylnaphthalene	12.52	142	5019431m	1352.47	ng	
45) 1,1'-Biphenyl	13.64	154	519380m	163.24	ng	
51) Acenaphthene	15.00	154	220436m	87.97	ng	
54) Dibenzofuran	15.42	168	177782m	48.71	ng	
57) Fluorene	16.15	166	493116	159.45	ng	# 81
70) Phenanthrene	17.76	178	1459591	266.55	ng	# 92
77) Pyrene	19.66	202	303906m	54.45	ng	

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

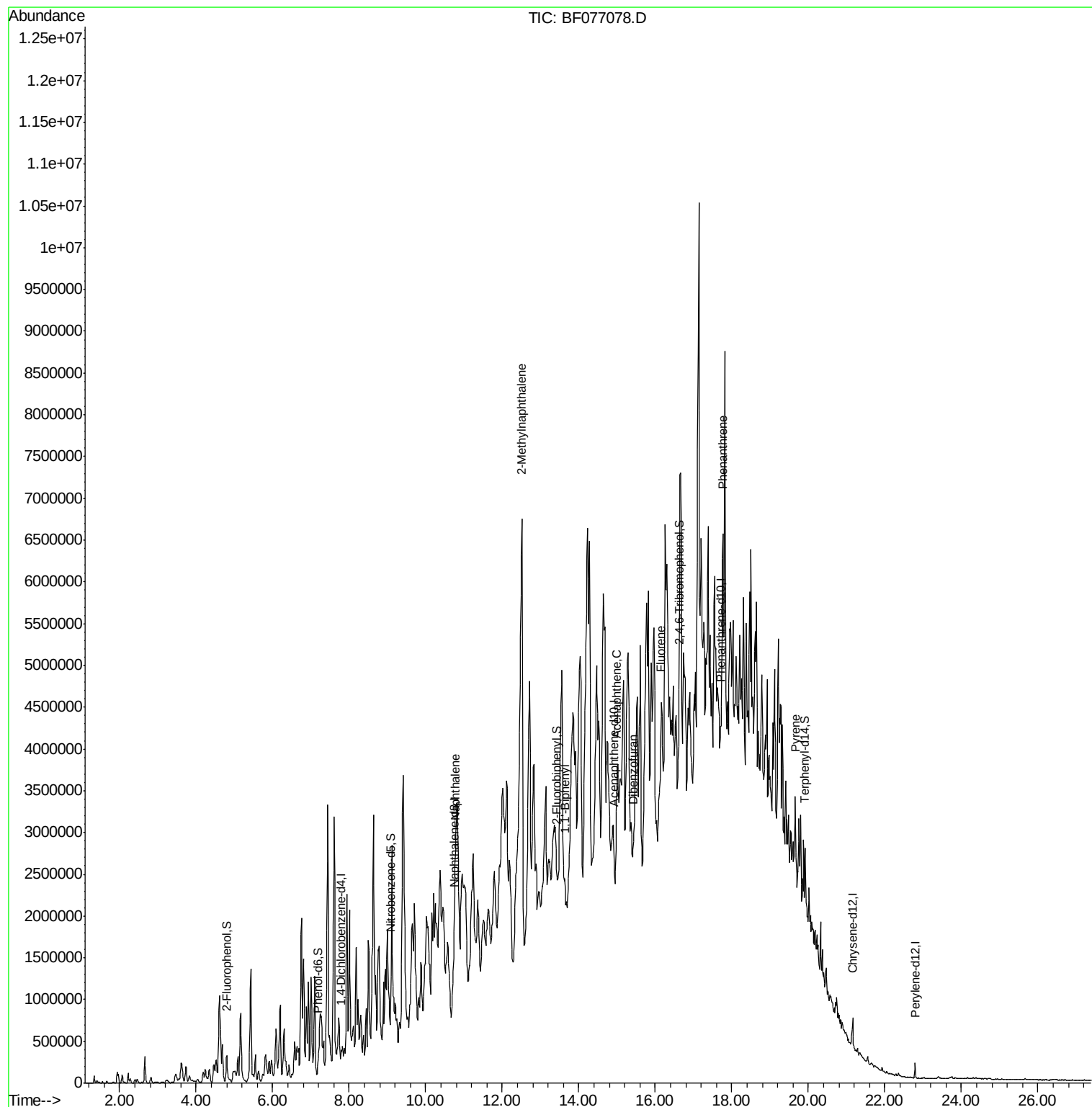
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077078.D
Acq On : 27 Jan 2015 7:41
Operator : TP/IZ
Sample : G1137-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

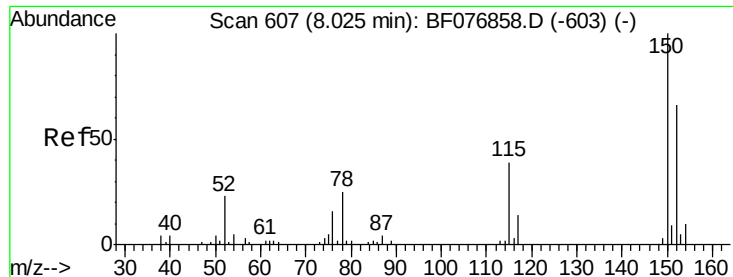
Instrument :
BNA_F
ClientSampleId :
104B2

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Quant Time: Jan 28 13:19:58 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 23 15:21:24 2015
Response via : Initial Calibration





#1

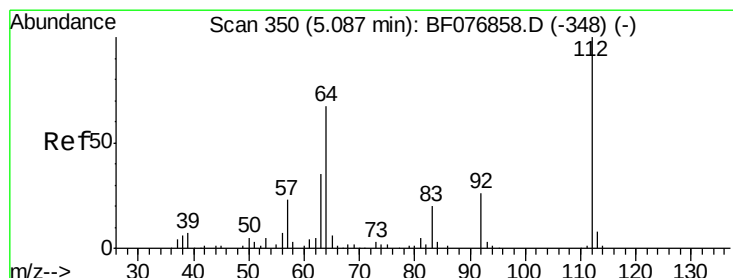
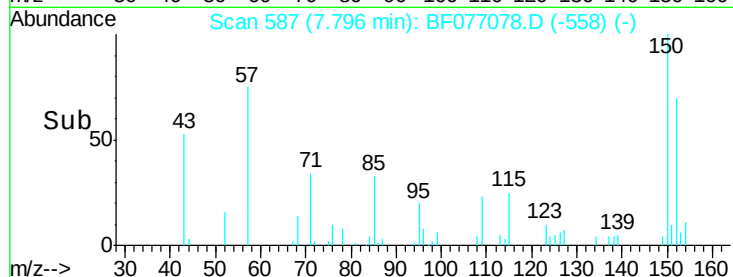
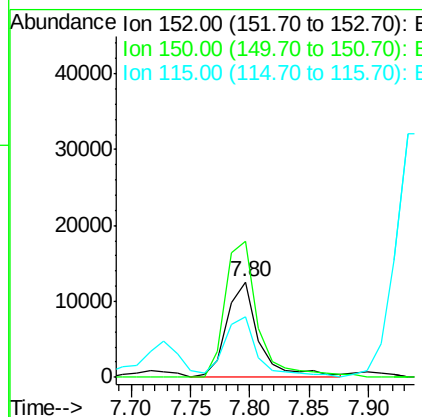
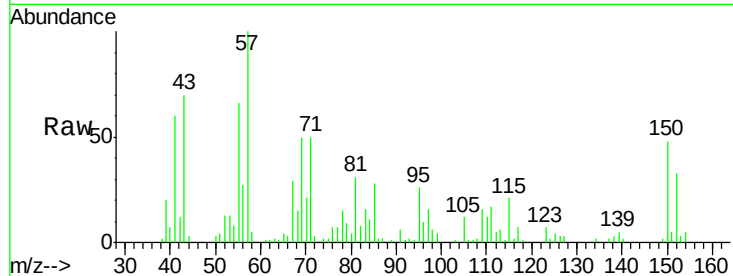
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.80 min Scan# 587
Delta R.T. 0.03 min
Lab File: BF077078.D
Acq: 27 Jan 2015 7:41

Instrument :
BNA_F
ClientSampleId :
104B2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.7	121.7	182.5
115	64.1	47.0	70.6

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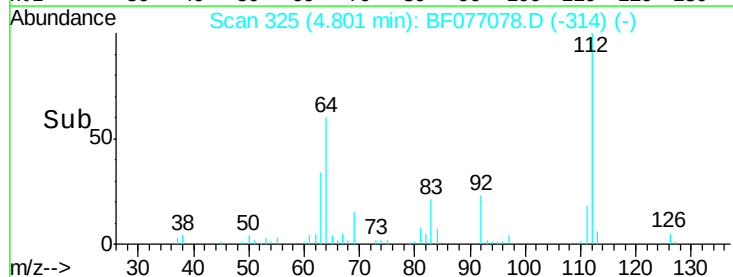
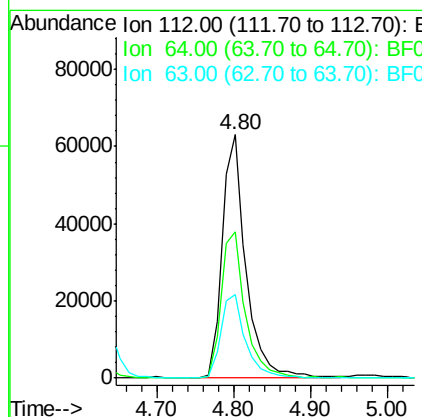
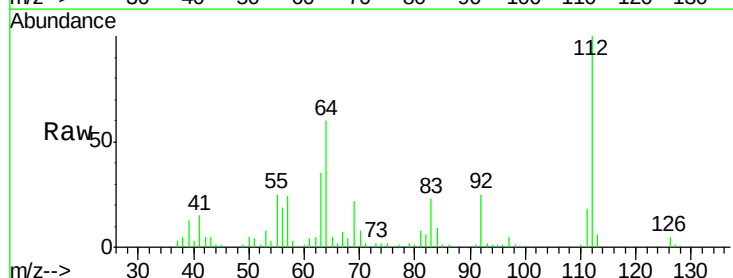
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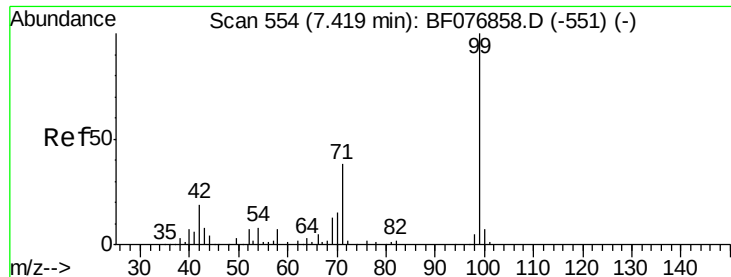


#5

2-Fluorophenol
Concen: 94.04 ng
RT: 4.80 min Scan# 325
Delta R.T. 0.02 min
Lab File: BF077078.D
Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	54.2	81.4
63	34.5	28.4	42.6





#7

Phenol-d6

Concen: 92.39 ng

RT: 7.19 min Scan# 534

Delta R.T. 0.02 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

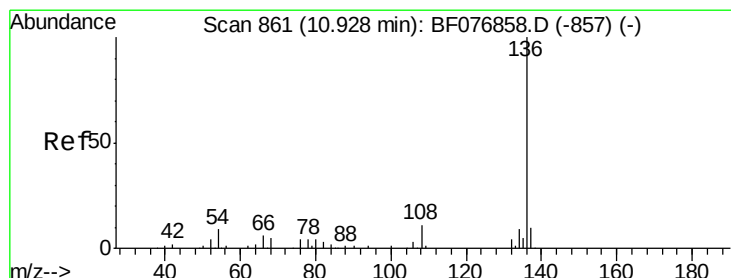
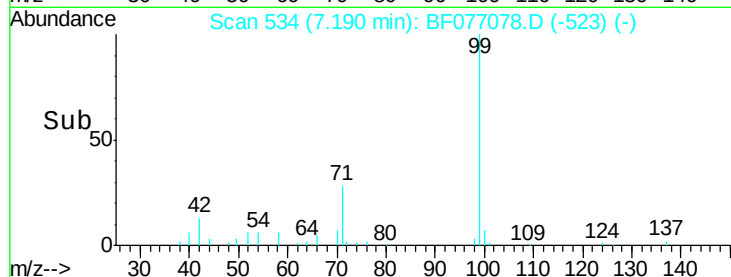
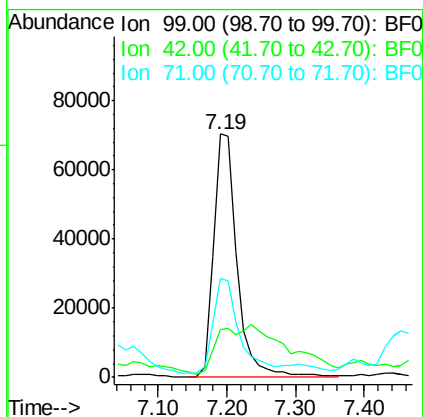
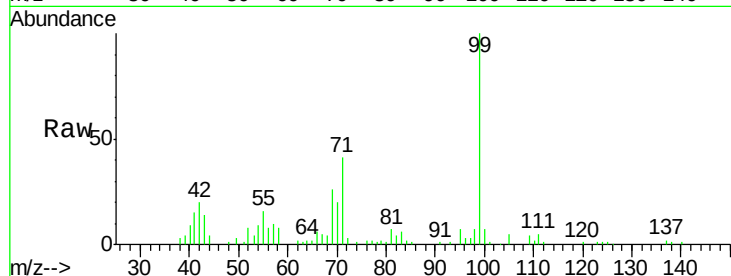
ClientSampleId :

104B2

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.0	22.4
71	40.8	30.5	45.7

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#21

Naphthalene-d8

Concen: 20.00 ng m

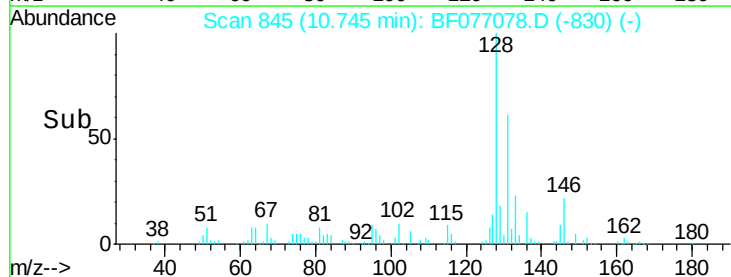
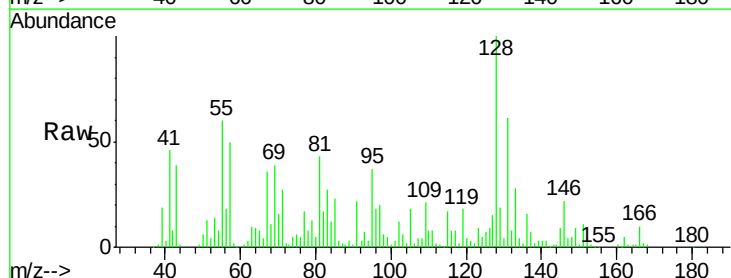
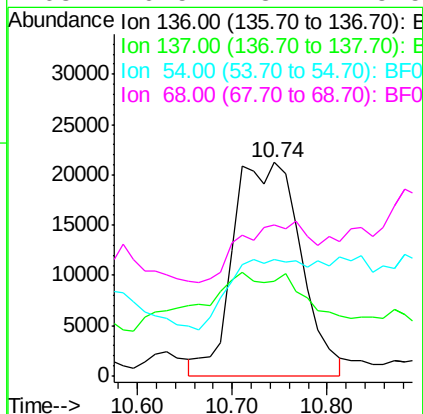
RT: 10.74 min Scan# 845

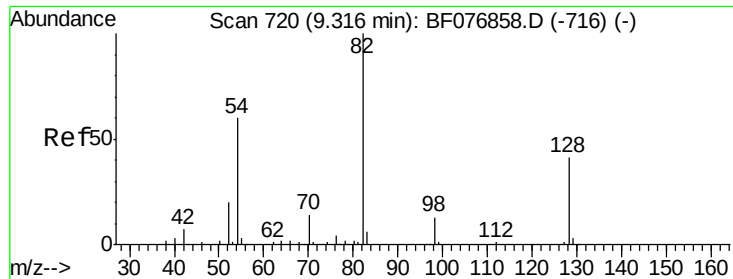
Delta R.T. 0.07 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	44.3	8.1	12.1#
54	54.5	7.0	10.4#
68	70.5	3.7	5.5#





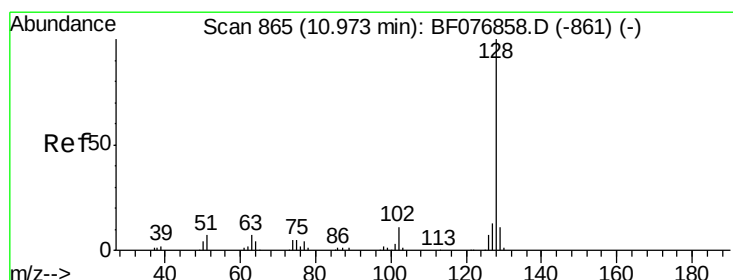
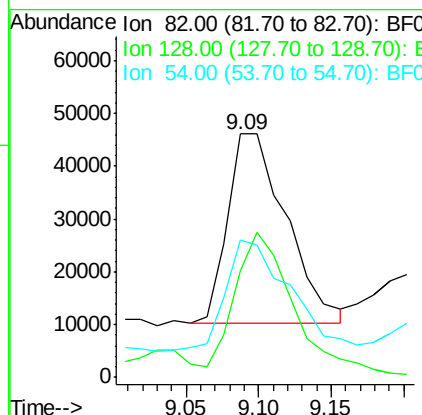
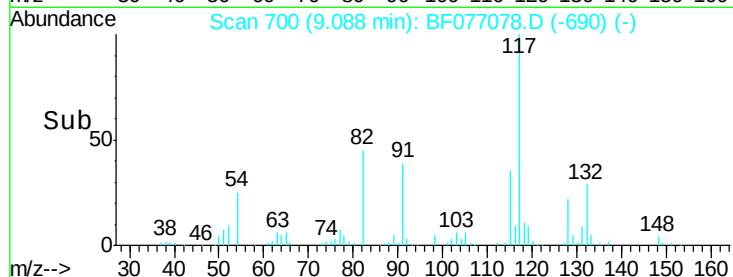
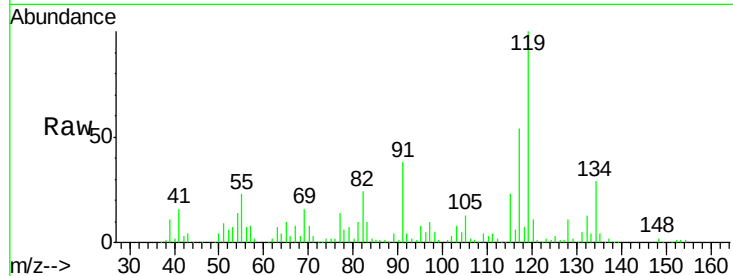
#23
 Nitrobenzene-d5
 Concen: 52.95 ng
 RT: 9.09 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: BF077078.D
 Acq: 27 Jan 2015 7:41

Instrument :
 BNA_F
 ClientSampleId :
 104B2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	100877		
128	43.9	33.1	49.7	
54	56.5	48.3	72.5	

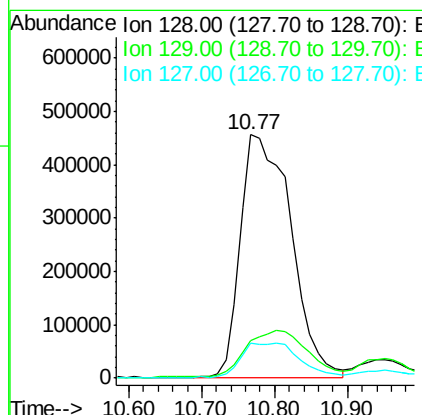
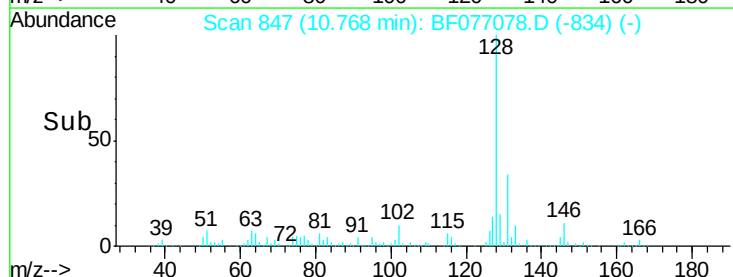
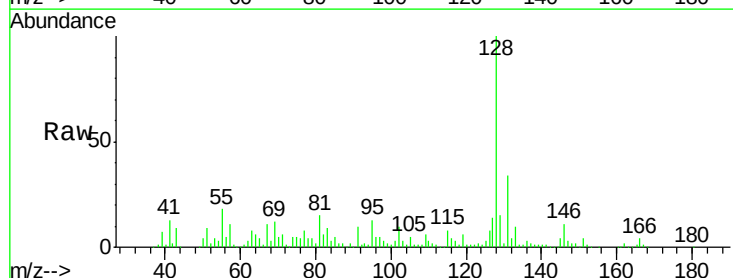
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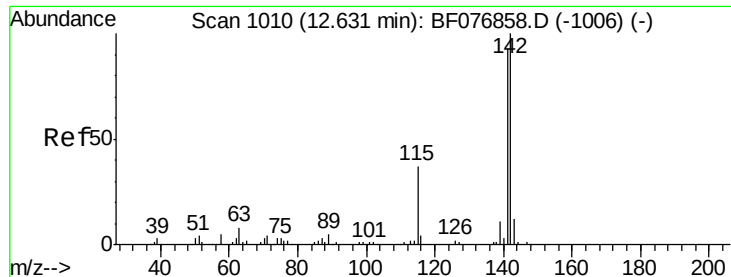
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#31
 Naphthalene
 Concen: 402.71 ng m
 RT: 10.77 min Scan# 847
 Delta R.T. 0.05 min
 Lab File: BF077078.D
 Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	2188512		
129	15.4	9.0	13.6#	
127	14.3	10.2	15.2	





#37

2-Methylnaphthalene

Concen: 1352.47 ng m

RT: 12.52 min Scan# 1000

Delta R.T. 0.14 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

ClientSampled :

104B2

Tgt Ion:142 Resp: 5019431

Ion Ratio Lower Upper

142 100

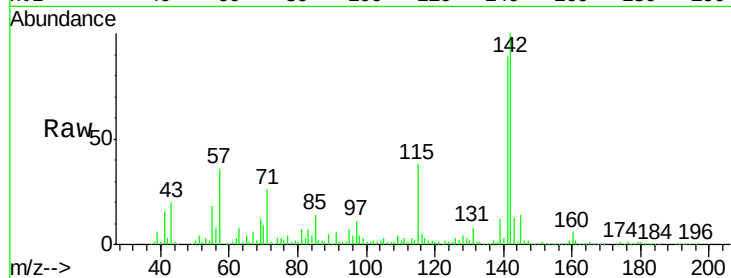
141 88.8 74.5 111.7

115 38.0 29.7 44.5

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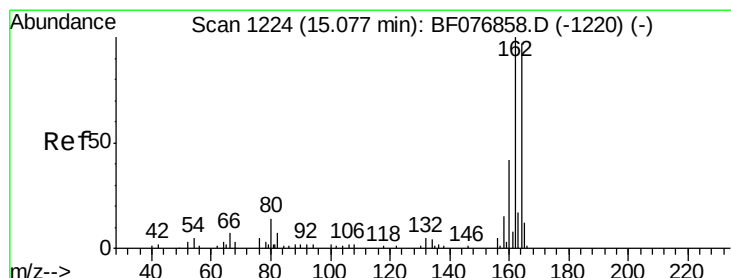
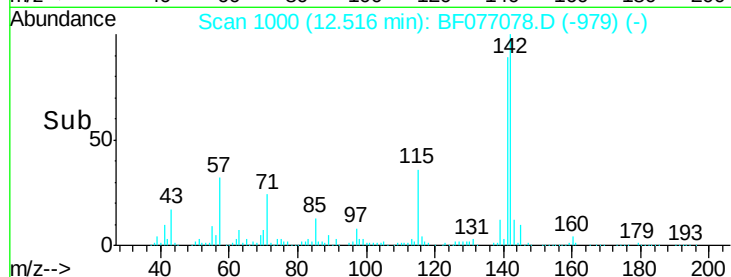
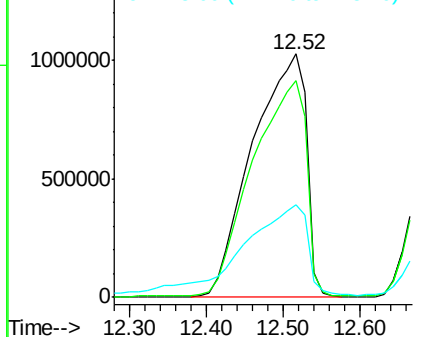
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.92 min Scan# 1210

Delta R.T. 0.11 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion:164 Resp: 42919

Ion Ratio Lower Upper

164 100

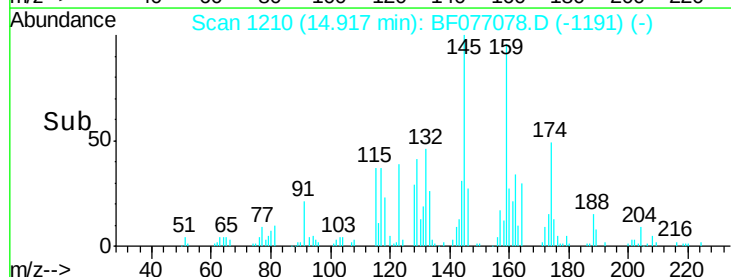
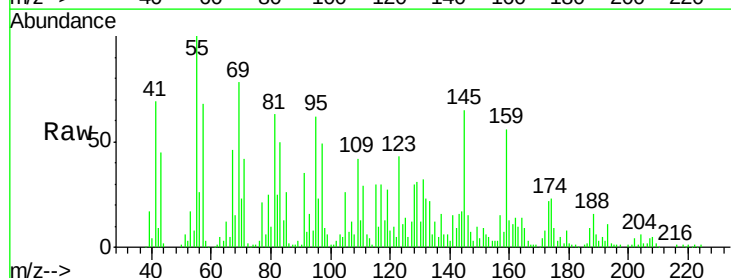
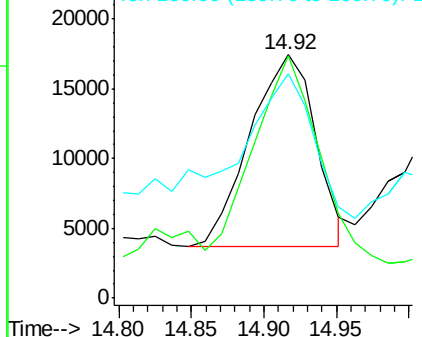
162 99.8 82.4 123.6

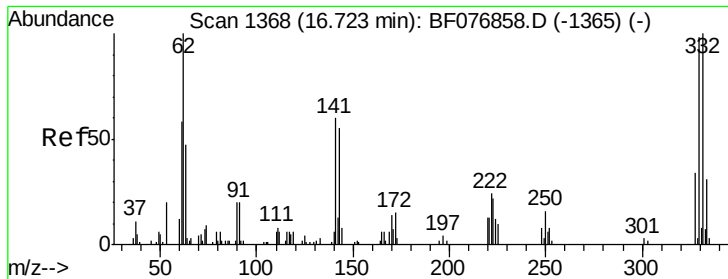
160 92.3 34.8 52.2#

Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

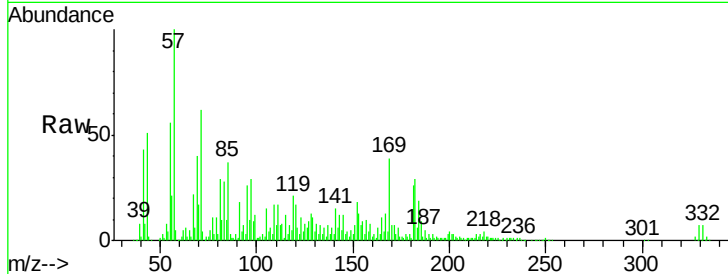
Ion 160.00 (159.70 to 160.70): E





#41
 2,4,6-Tribromophenol
 Concen: 111.57 ng
 RT: 16.62 min Scan# 1359
 Delta R.T. 0.09 min
 Lab File: BF077078.D
 Acq: 27 Jan 2015 7:41

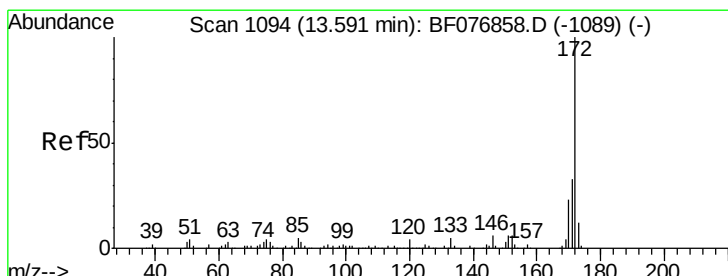
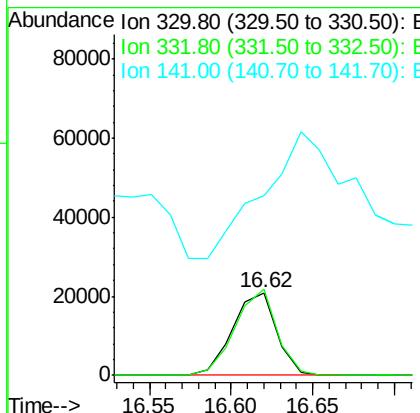
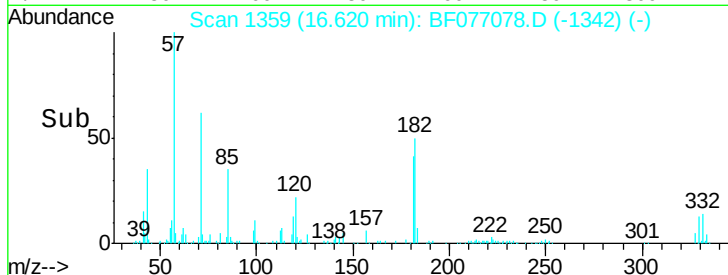
Instrument :
 BNA_F
 ClientSampled :
 104B2



Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.7	77.8	116.6	
141	0.0	38.5	57.7#	

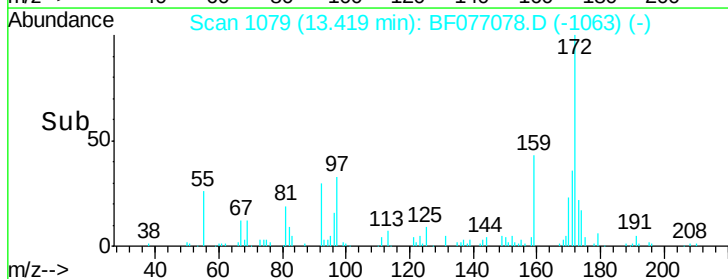
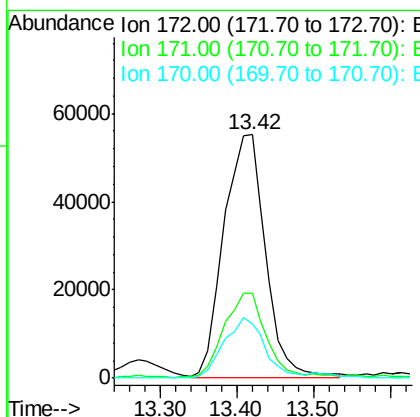
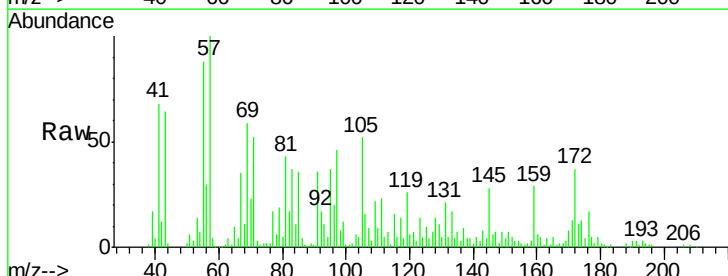
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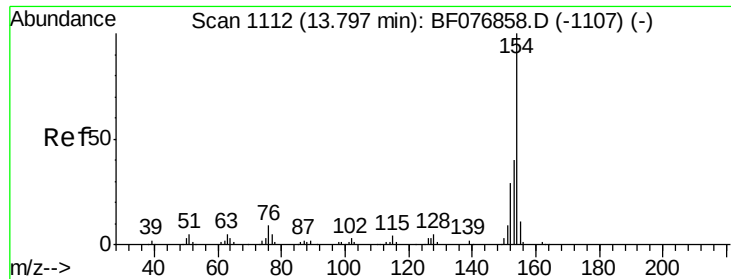
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#44
 2-Fluorobiphenyl
 Concen: 74.13 ng m
 RT: 13.42 min Scan# 1079
 Delta R.T. 0.08 min
 Lab File: BF077078.D
 Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	26.6	40.0	
170	22.1	18.0	27.0	





#45

1,1'-Biphenyl

Concen: 163.24 ng m

RT: 13.64 min Scan# 1098

Delta R.T. 0.10 min

Lab File: BF077078.D

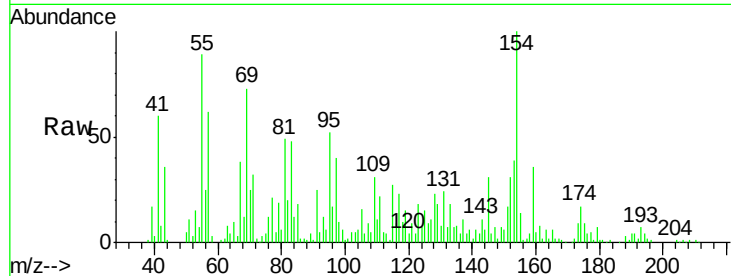
Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

ClientSampleId :

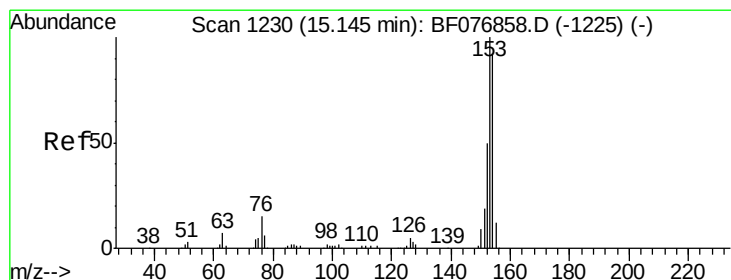
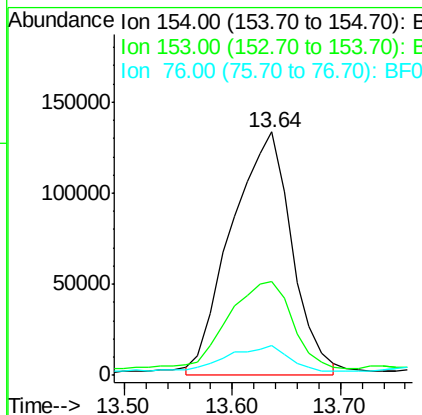
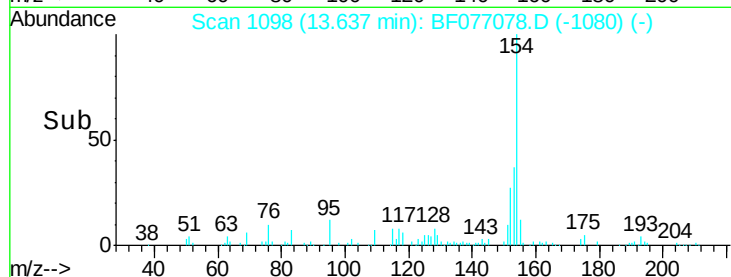
104B2



Tgt Ion:	154	Resp:	519380
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.2	60.2
76	12.1	0.0	29.0

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#51

Acenaphthene

Concen: 87.97 ng m

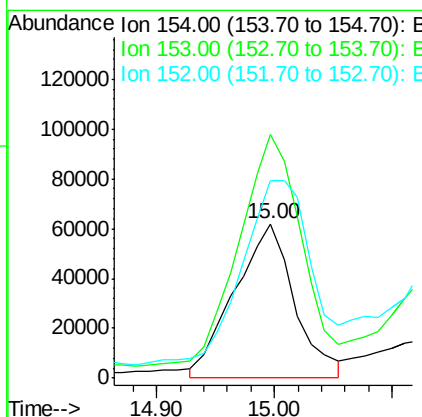
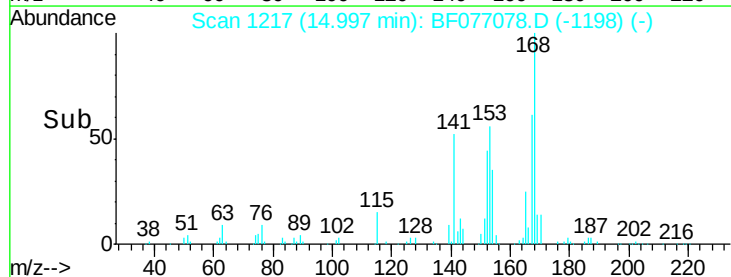
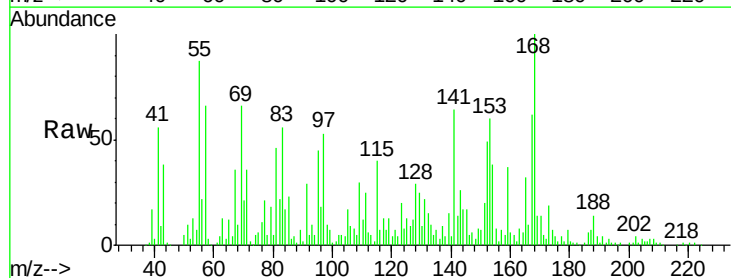
RT: 15.00 min Scan# 1217

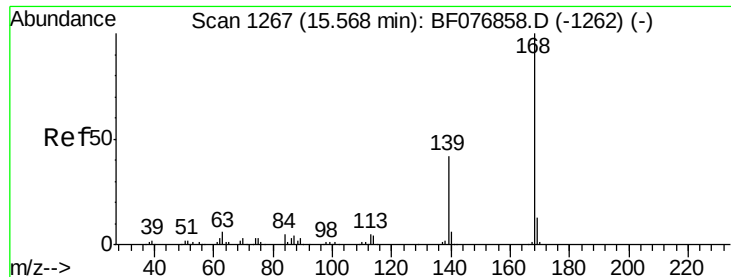
Delta R.T. 0.11 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion:	154	Resp:	220436
Ion Ratio	Lower	Upper	
154	100		
153	157.5	87.0	130.6#
152	128.1	43.5	65.3#





#54

Dibenzenofuran

Concen: 48.71 ng m

RT: 15.42 min Scan# 1254

Delta R.T. 0.11 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

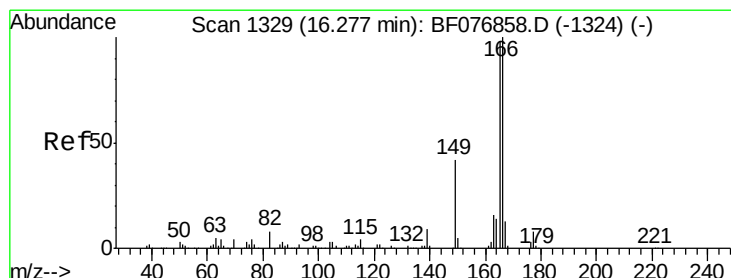
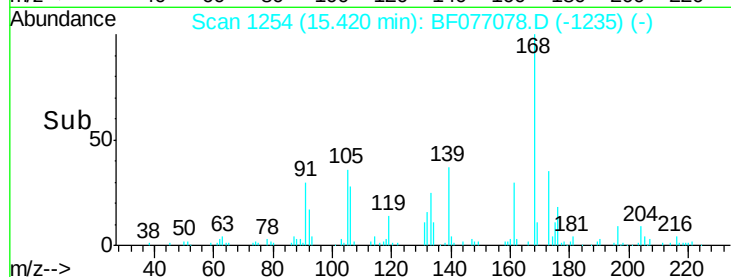
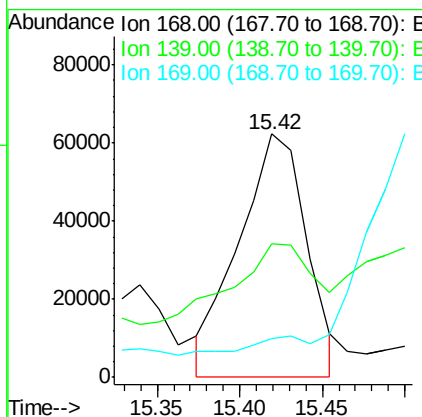
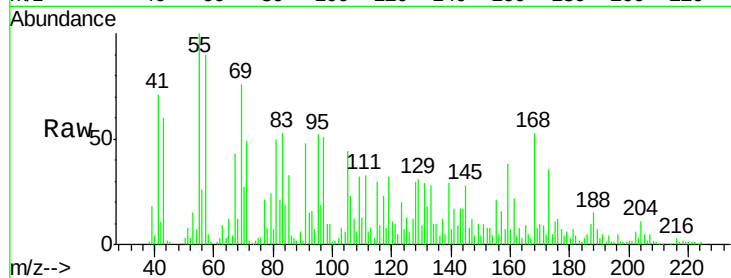
ClientSampled :

104B2

Tgt Ion	Ratio	Lower	Upper
168	100		
139	55.0	33.4	50.2#
169	15.8	10.6	15.8

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#57

Fluorene

Concen: 159.45 ng

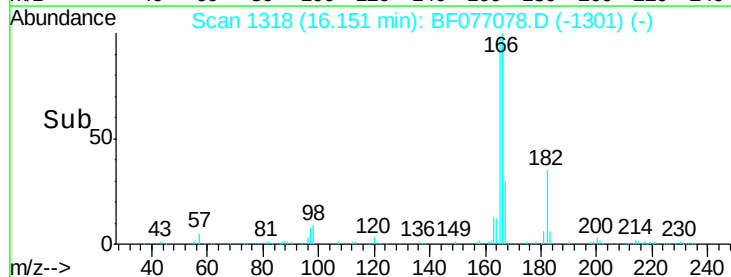
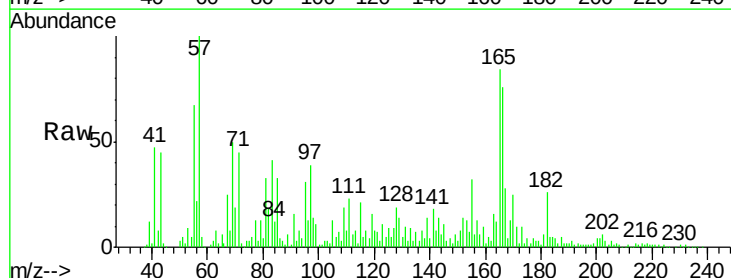
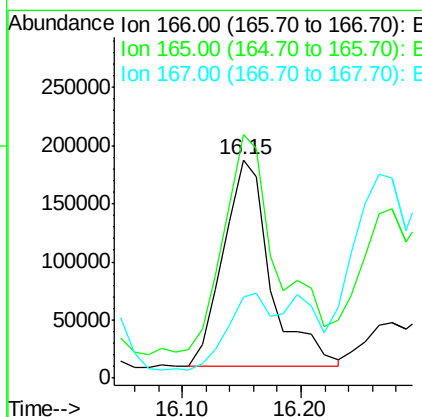
RT: 16.15 min Scan# 1318

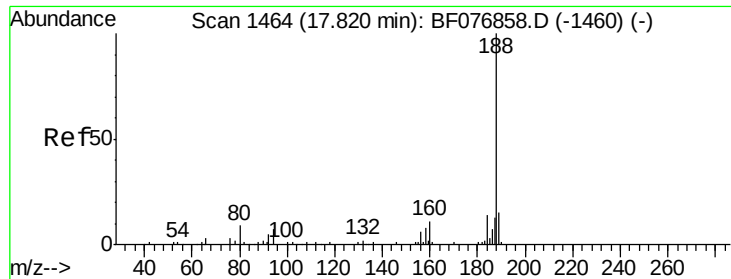
Delta R.T. 0.09 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.6	78.5	117.7
167	37.2	10.4	15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng m

RT: 17.72 min Scan# 1455

Delta R.T. 0.08 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

ClientSampleId :

104B2

Tgt Ion:188 Resp: 87807

Ion Ratio Lower Upper

188 100

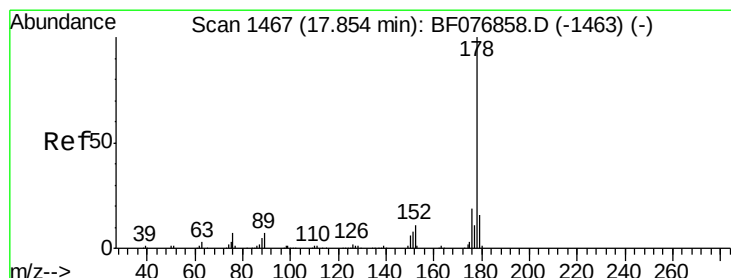
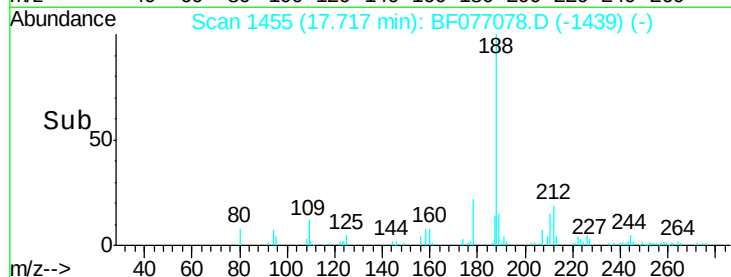
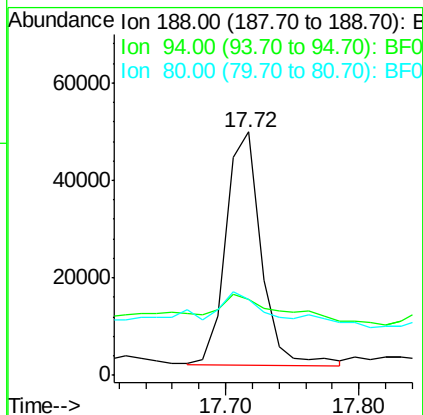
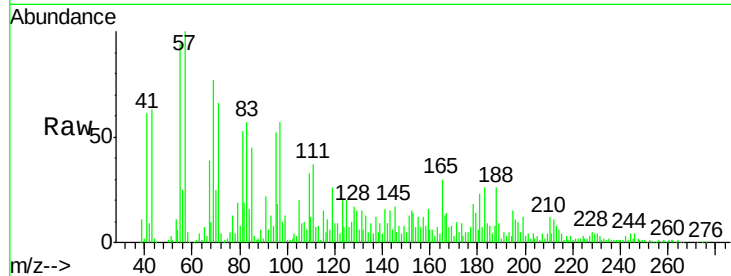
94 31.1 6.0 9.0#

80 31.1 6.9 10.3#

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#70

Phenanthrene

Concen: 266.55 ng

RT: 17.76 min Scan# 1459

Delta R.T. 0.09 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

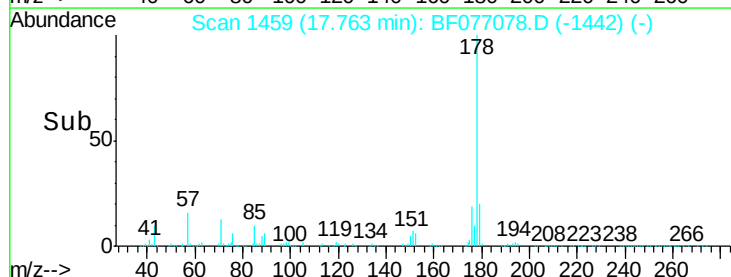
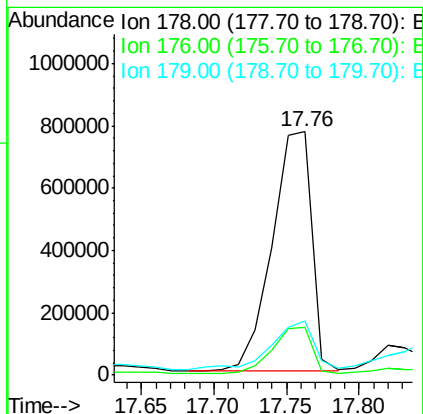
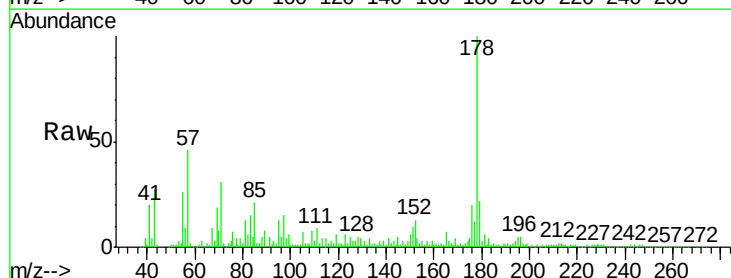
Tgt Ion:178 Resp: 1459591

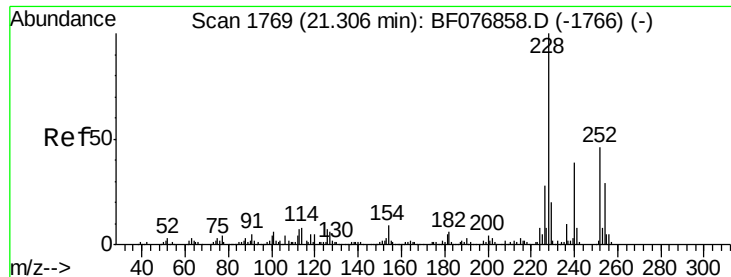
Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

179 22.3 12.7 19.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 1756

Delta R.T. 0.01 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

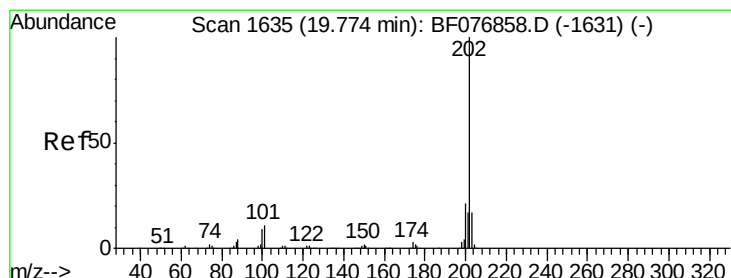
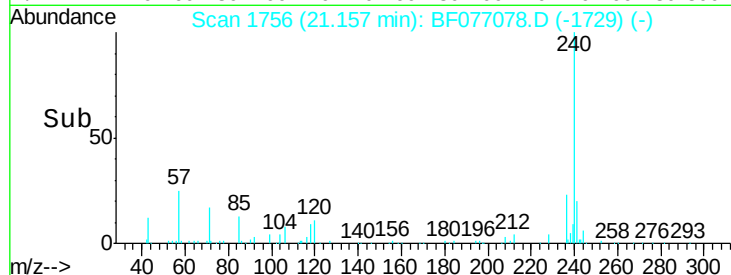
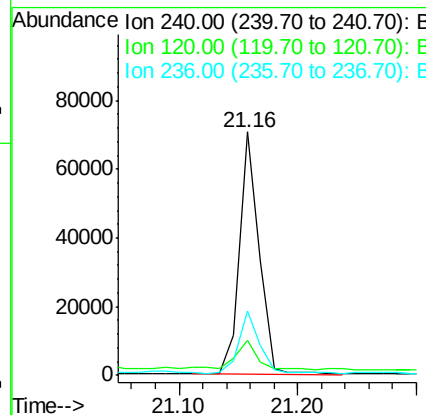
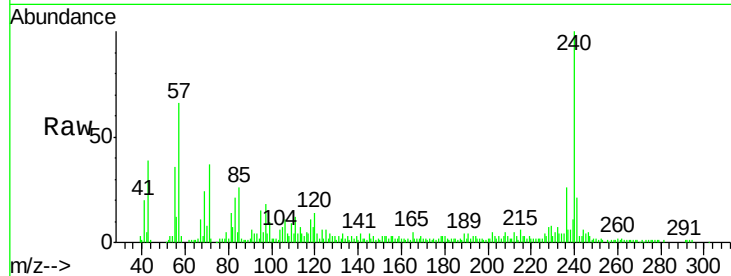
ClientSampleId :

104B2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	81441		
120	14.3	10.4	15.6	
236	26.2	20.2	30.2	

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#77

Pyrene

Concen: 54.45 ng m

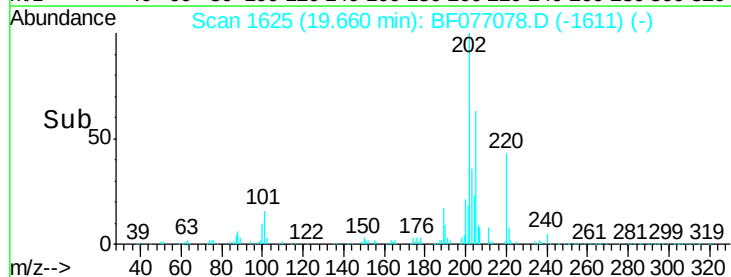
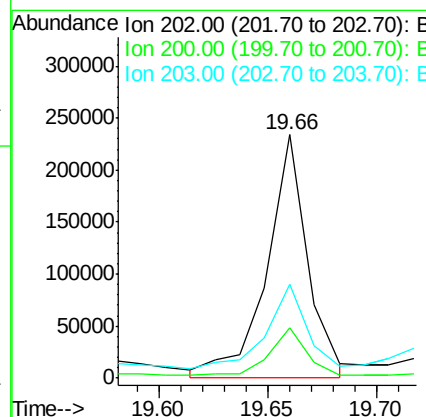
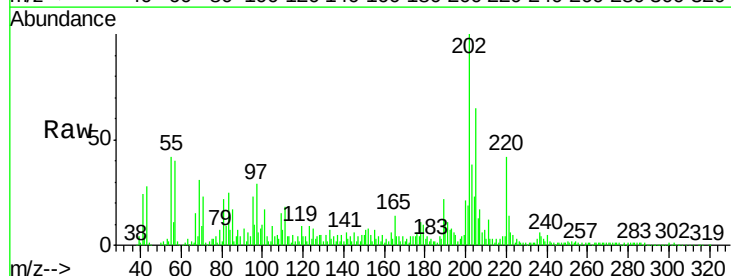
RT: 19.66 min Scan# 1625

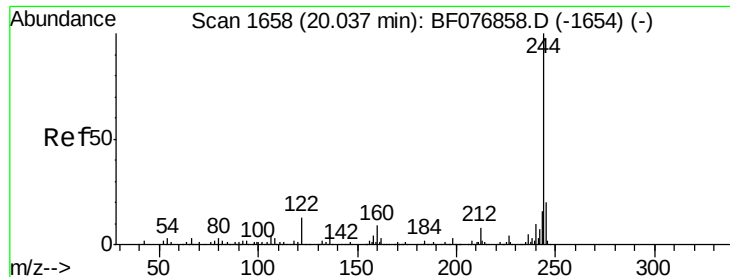
Delta R.T. 0.06 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	303906		
200	20.8	16.7	25.1	
203	38.4	14.0	21.0	





#78

Terphenyl-d14

Concen: 60.39 ng

RT: 19.91 min Scan# 1647

Delta R.T. 0.03 min

Lab File: BF077078.D

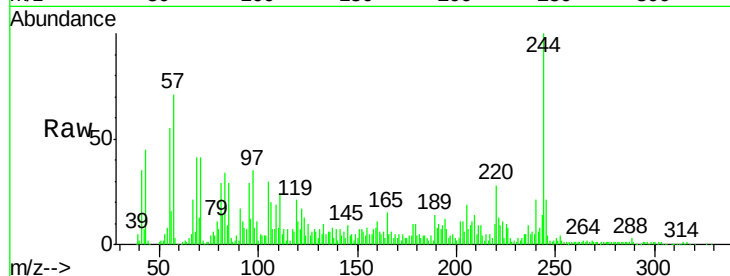
Acq: 27 Jan 2015 7:41

Instrument :

BNA_F

ClientSampleId :

104B2



Tgt Ion:244 Resp: 213628

Ion Ratio Lower Upper

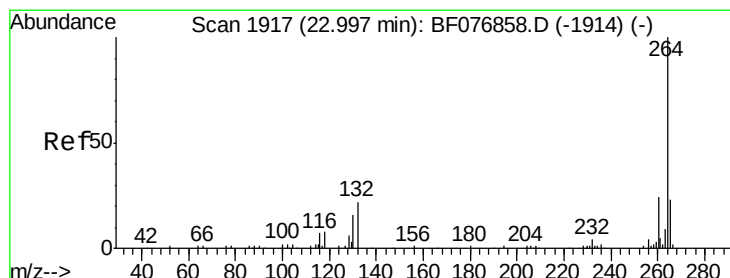
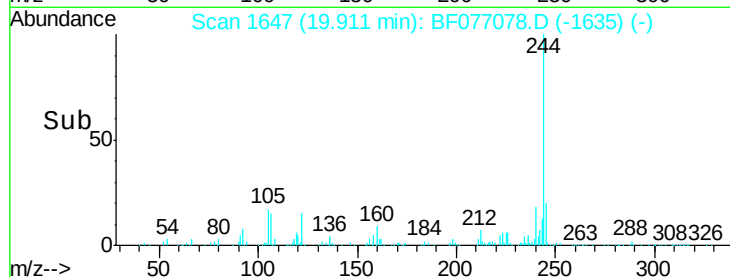
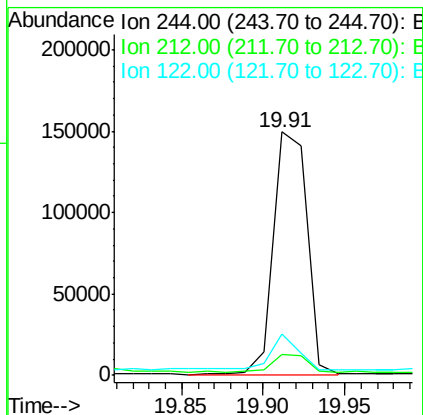
244 100

212 8.6 6.3 9.5

122 17.2 10.1 15.1#

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

RT: 22.79 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BF077078.D

Acq: 27 Jan 2015 7:41

Tgt Ion:264 Resp: 80917

Ion Ratio Lower Upper

264 100

260 22.4 19.0 28.4

265 22.1 18.1 27.1

