

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079664.D
 Acq On : 3 Jun 2015 16:05
 Operator : TP/IZ
 Sample : G2408-03DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24DDL

Manual Integrations
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 6/5/2015 8:05:52 AM

Quant Time: Jun 03 18:10:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	104186	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	401756	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	197829	20.00	ng	0.00
63) Phenanthrene-d10	12.12	188	392637	20.00	ng	-0.01
75) Chrysene-d12	15.26	240	444571	20.00	ng	-0.13
86) Perylene-d12	17.30	264	451063	20.00	ng	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.14	112	284864	49.86	ng	0.00
7) Phenol-d6	7.11	99	441562	57.88	ng	0.00
23) Nitrobenzene-d5	8.07	82	209566	31.87	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	56422	34.56	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	502091	34.53	ng	0.00
78) Terphenyl-d14	13.89	244	583538	30.24	ng	-0.07

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.83	128	84526	4.02	ng	98
37) 2-Methylnaphthalene	9.53	142	32988	2.35	ng	97
49) Dimethylphthalate	10.27	163	48431	3.34	ng	97
51) Acenaphthene	10.62	154	104985	8.74	ng	95
54) Dibenzofuran	10.80	168	108295	6.21	ng	93
57) Fluorene	11.14	166	152880	10.73	ng	99
70) Phenanthrene	12.15	178	1354120	62.38	ng	99
71) Anthracene	12.21	178	421650	19.30	ng	97
72) Carbazole	12.35	167	112535	5.61	ng	97
74) Fluoranthene	13.46	202	1472697	62.92	ng	97
77) Pyrene	13.74	202	1262141	49.31	ng	99
80) Benzo(a)anthracene	15.25	228	716749	29.48	ng	99
82) Chrysene	15.29	228	520195	21.27	ng	97
83) Bis(2-ethylhexyl)phthalate	15.21	149	26679	4.92	ng	# 98
85) Indeno(1,2,3-cd)pyrene	19.34	276	287496	12.02	ng	# 92
87) Benzo(b)fluoranthene	16.71	252	661317m	28.37	ng	
88) Benzo(k)fluoranthene	16.74	252	250858m	9.19	ng	
89) Benzo(a)pyrene	17.21	252	510762	22.41	ng	98
90) Dibenzo(a,h)anthracene	19.35	278	55418	2.59	ng	# 93
91) Benzo(a,h,i)perylene	19.95	276	274093	12.10	ng	99

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

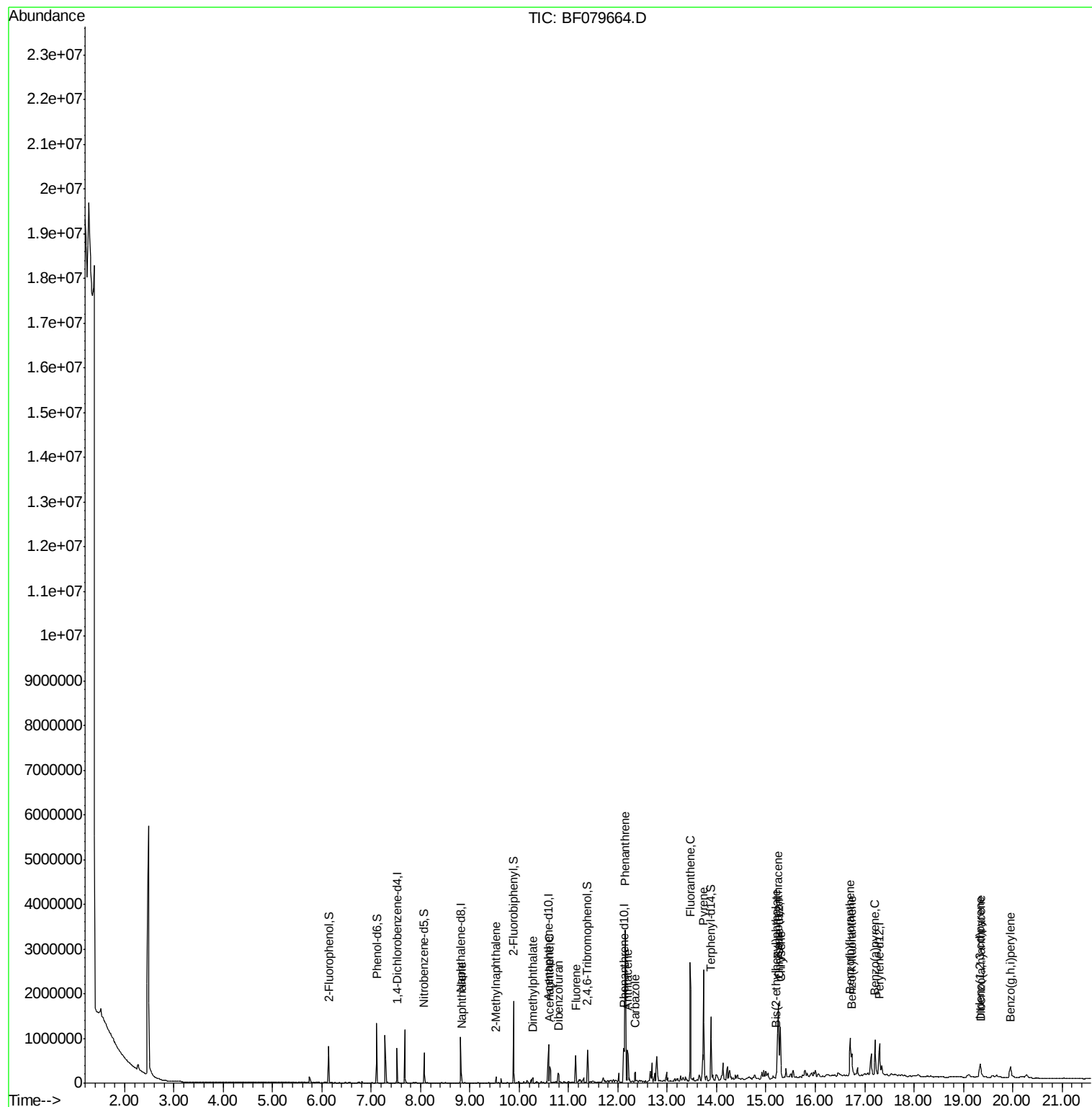
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079664.D
Acq On : 3 Jun 2015 16:05
Operator : TP/IZ
Sample : G2408-03DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

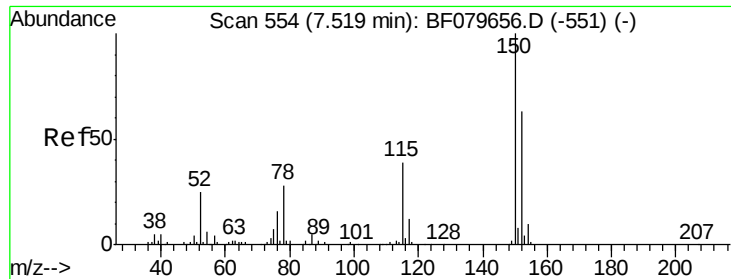
Instrument :
BNA_F
ClientSampleId :
SB-24DDL

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Quant Time: Jun 03 18:10:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

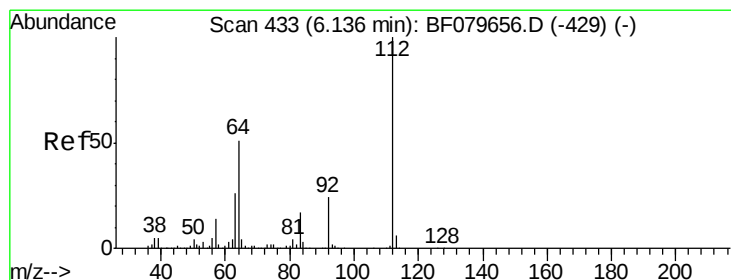
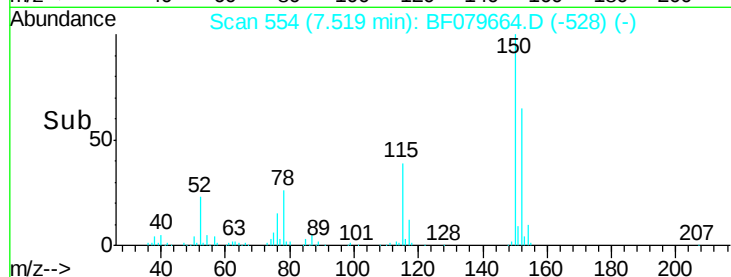
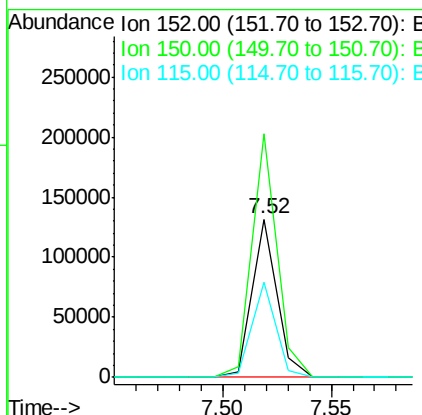
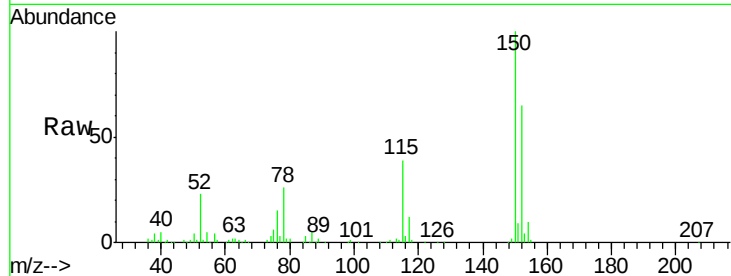
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	104186		
150	154.3	126.7	190.1	
115	59.9	49.2	73.8	

Manual Integrations
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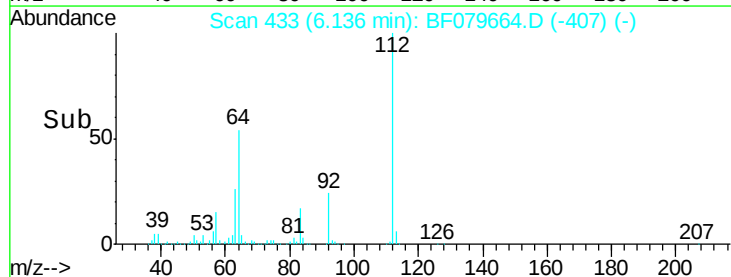
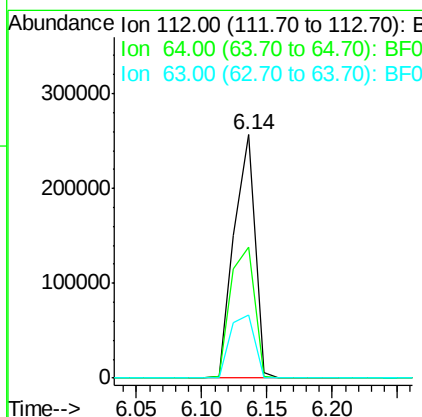
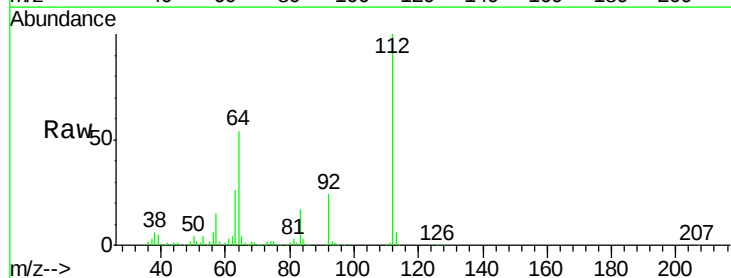
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#5

2-Fluorophenol
Concen: 49.86 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	284864		
64	53.5	41.1	61.7	
63	25.9	20.5	30.7	





#7

Phenol-d6

Concen: 57.88 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Instrument :

BNA_F

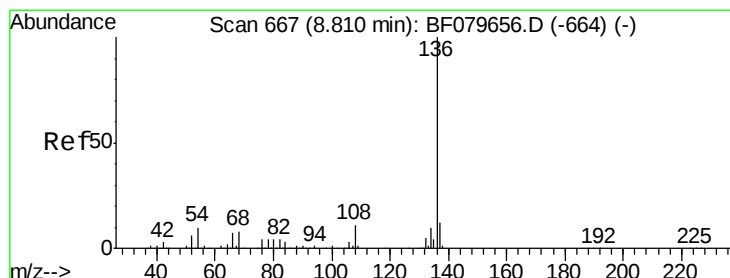
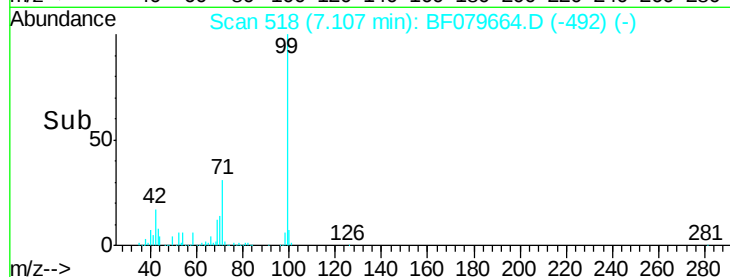
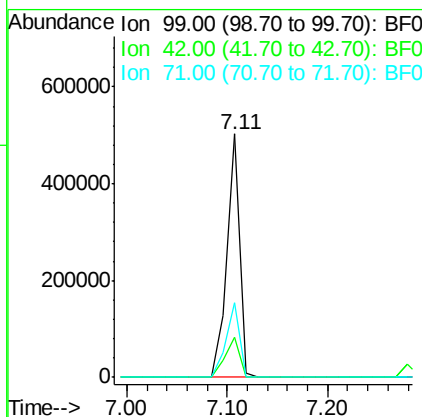
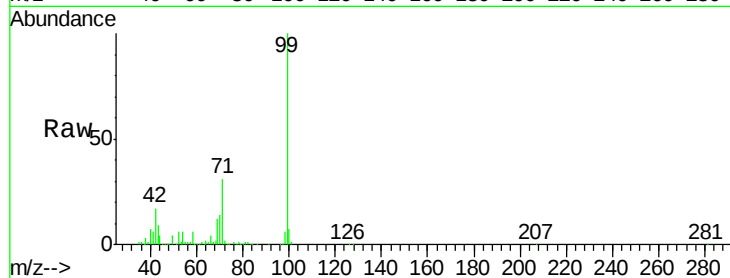
ClientSampleId :

SB-24DDL

Tot Ion:	99	Resp:	441562
Ion Ratio	Lower	Upper	
99	100		
42	16.6	15.2	22.8
71	30.9	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

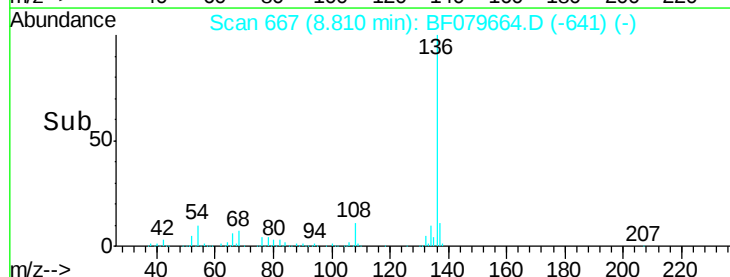
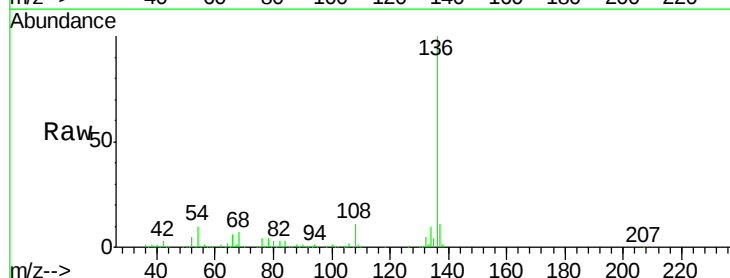
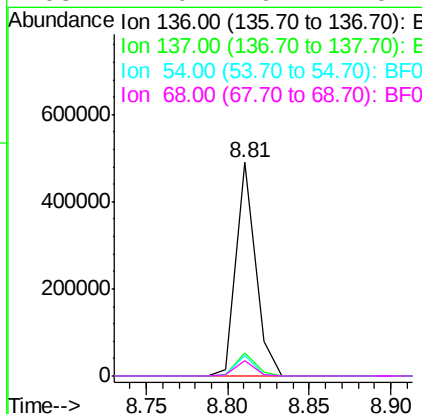
RT: 8.81 min Scan# 667

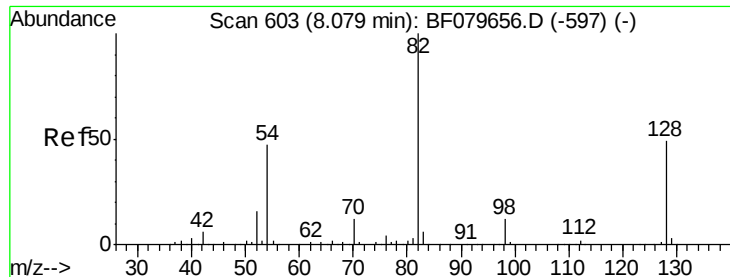
Delta R.T. -0.00 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Tgt Ion:	136	Resp:	401756
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.3	13.9
54	9.7	8.3	12.5
68	7.0	6.1	9.1





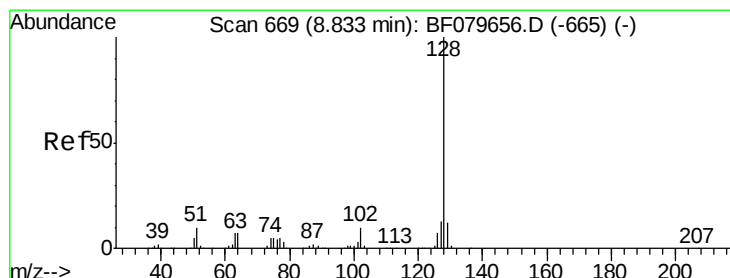
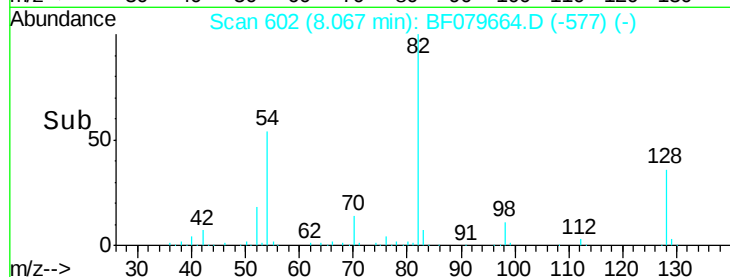
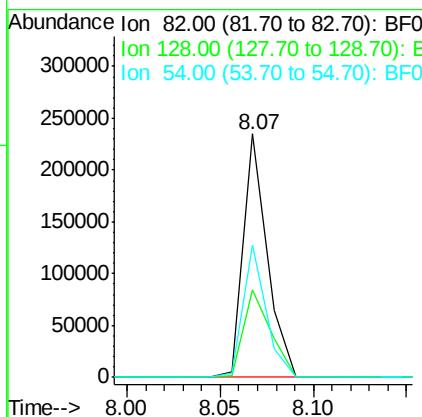
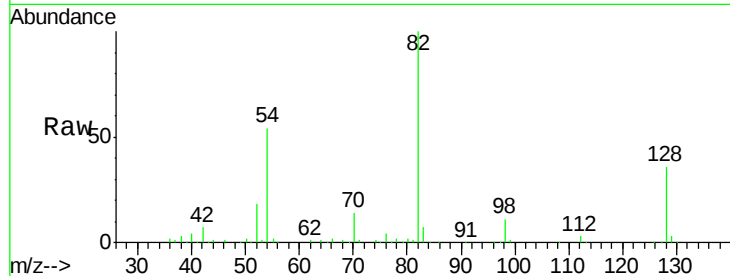
#23
 Nitrobenzene-d5
 Concen: 31.87 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-24DDL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	209566		
128	36.0		39.4	59.0#
54	54.4		37.4	56.0

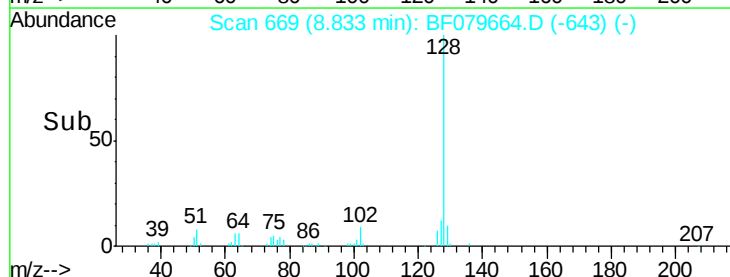
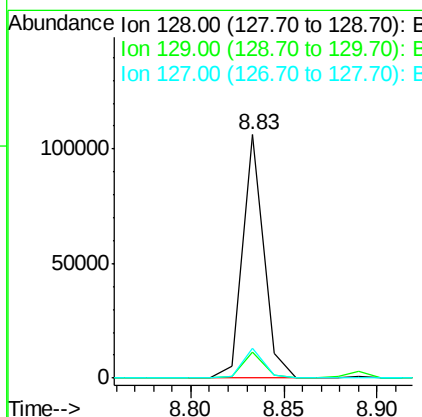
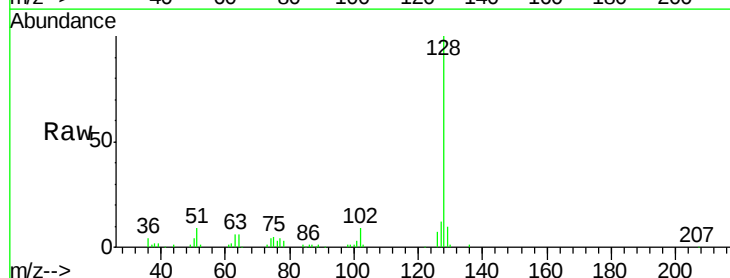
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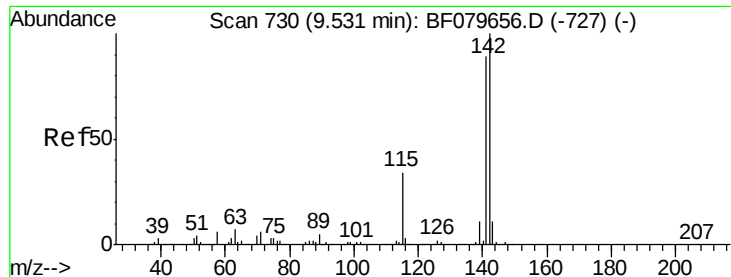
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#31
 Naphthalene
 Concen: 4.02 ng
 RT: 8.83 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	84526		
129	10.5		9.3	13.9
127	12.4		10.4	15.6





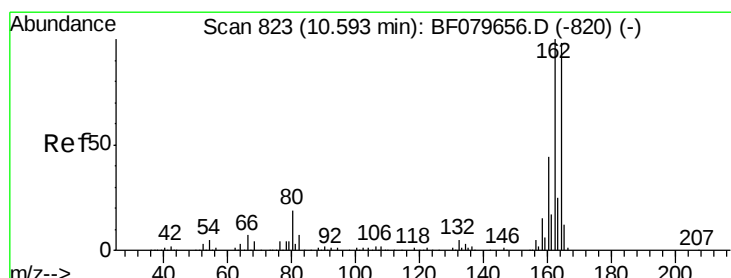
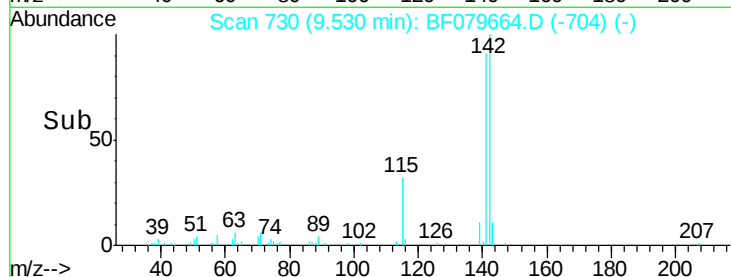
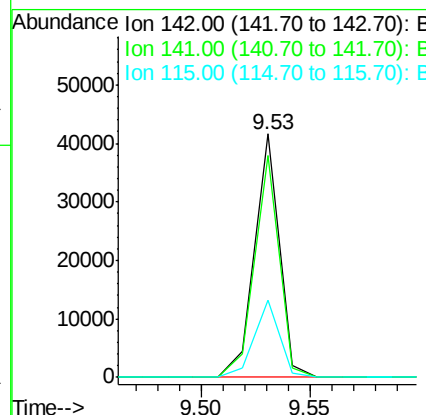
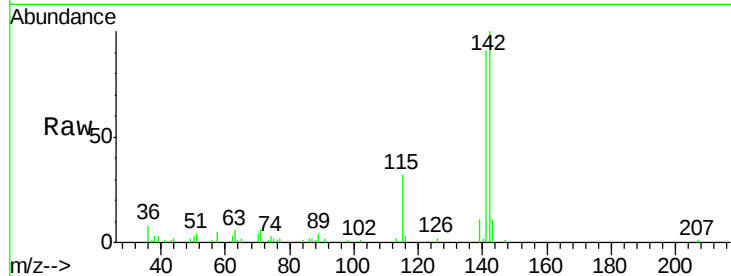
#37
2-Methylnaphthalene
Concen: 2.35 ng
RT: 9.53 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.0
115	31.7	27.3	40.9

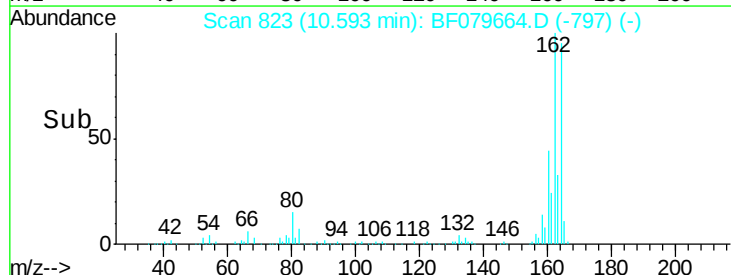
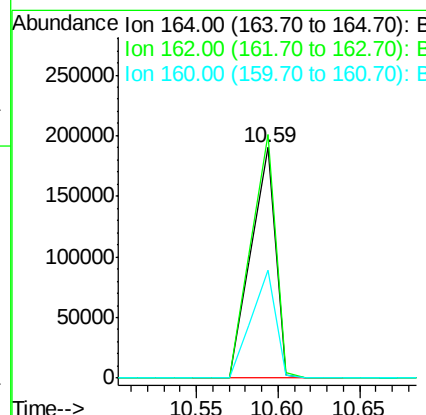
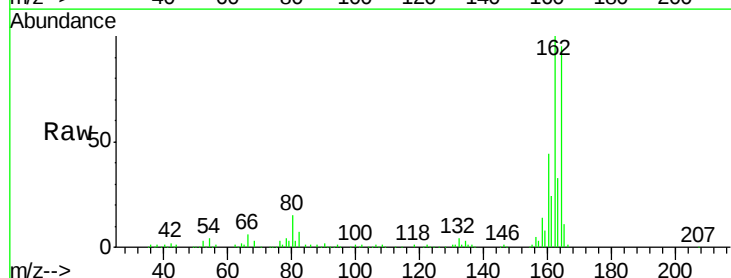
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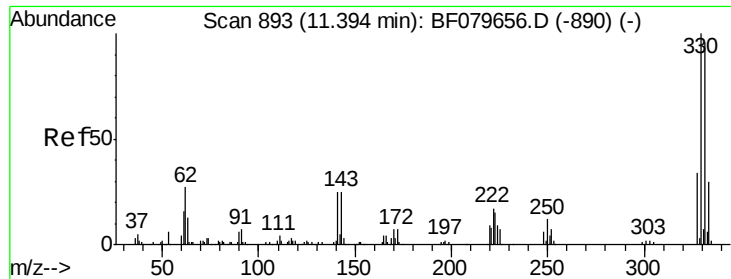
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.0	123.0
160	46.7	35.9	53.9





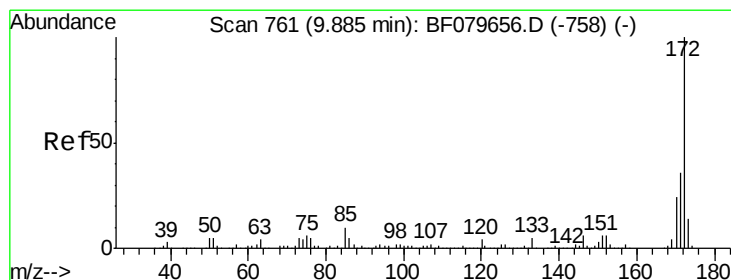
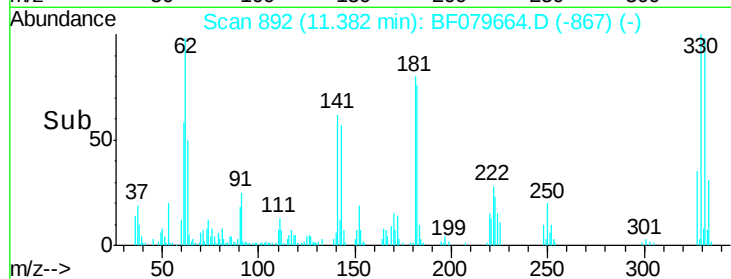
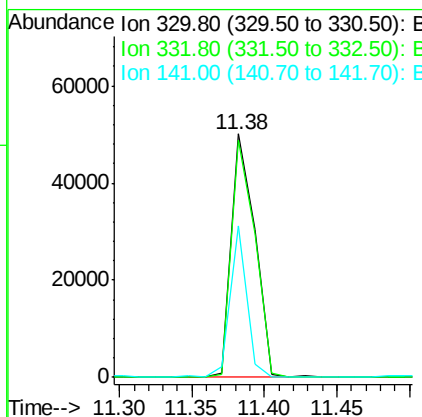
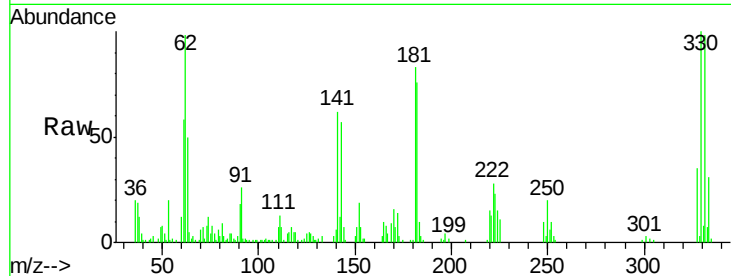
#41
 2,4,6-Tribromophenol
 Concen: 34.56 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-24DDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	44.1	27.4	41.2#

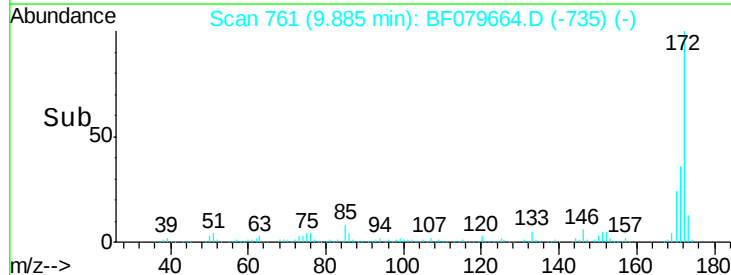
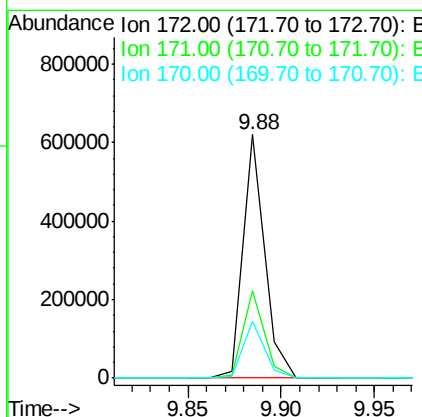
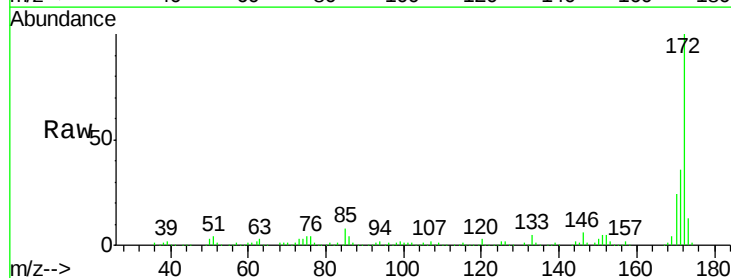
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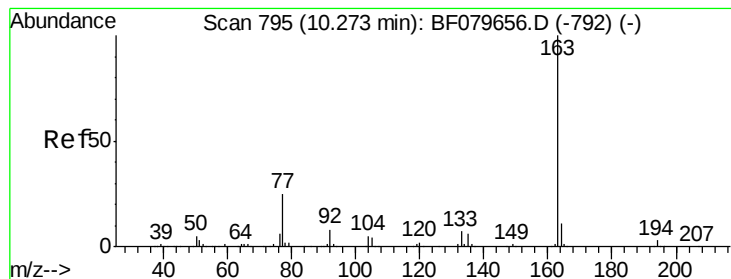
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#44
 2-Fluorobiphenyl
 Concen: 34.53 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	19.2	28.8





#49

Dimethylphthalate

Concen: 3.34 ng

RT: 10.27 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Instrument :

BNA_F

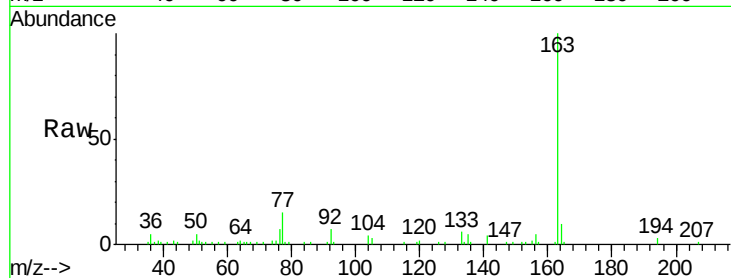
ClientSampleId :

SB-24DDL

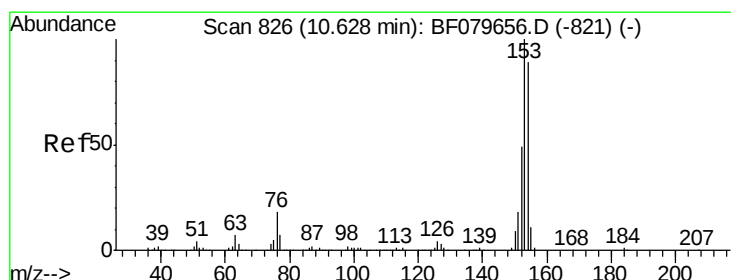
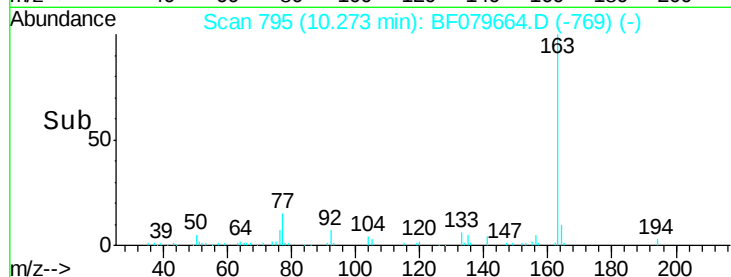
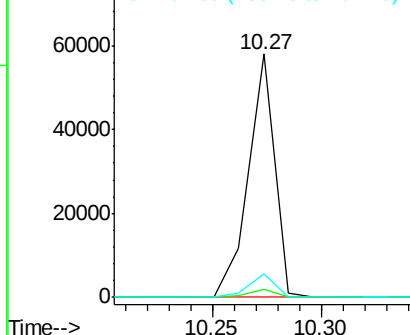
Tot Ion:	163	Resp:	48431
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	3.8
164	9.5	8.6	12.8

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 8.74 ng

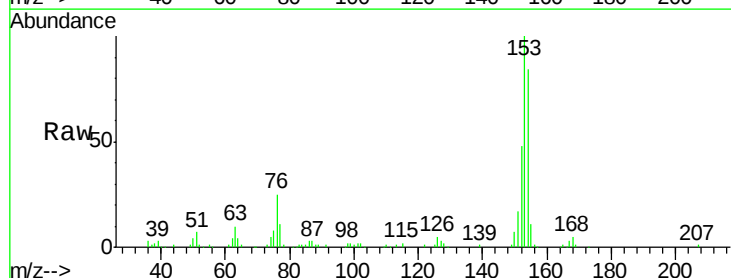
RT: 10.62 min Scan# 825

Delta R.T. -0.01 min

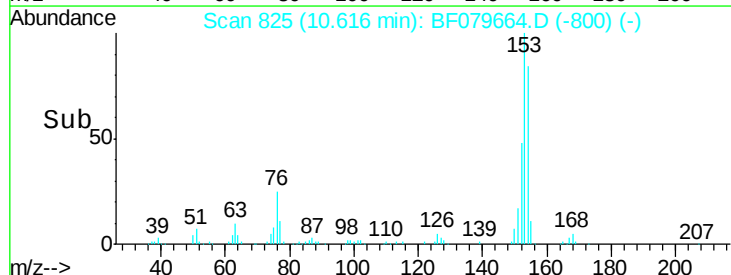
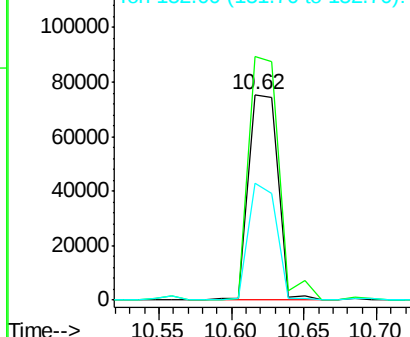
Lab File: BF079664.D

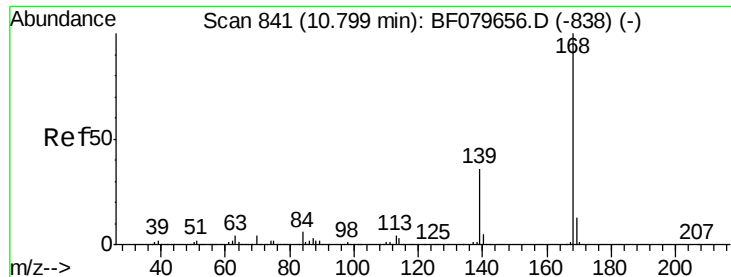
Acq: 3 Jun 2015 16:05

Tgt Ion:	154	Resp:	104985
Ion Ratio	Lower	Upper	
154	100		
153	118.5	89.8	134.6
152	56.8	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





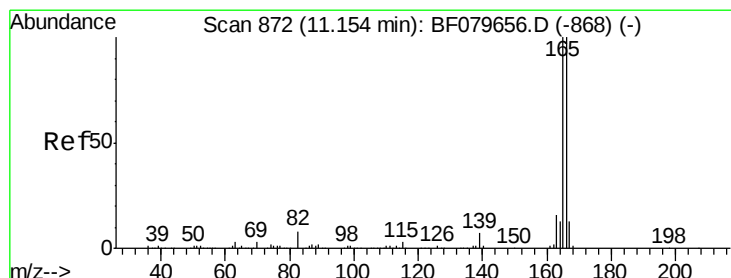
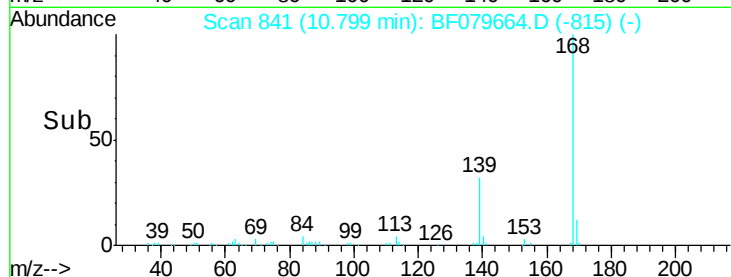
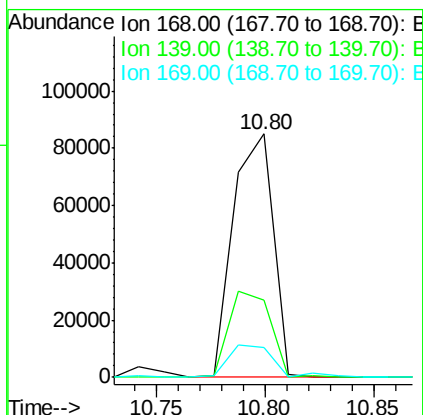
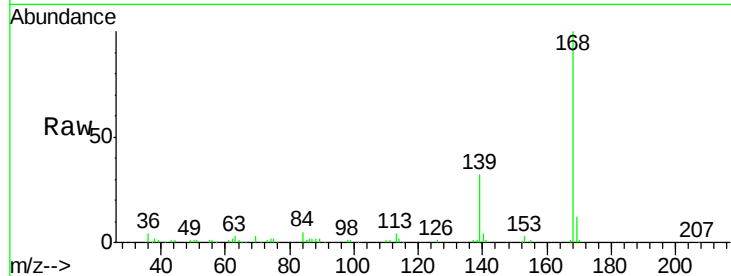
#54
Dibenzenofuran
Concen: 6.21 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampled :
SB-24DDL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	108295		
139	31.7		29.1	43.7
169	12.1		10.7	16.1

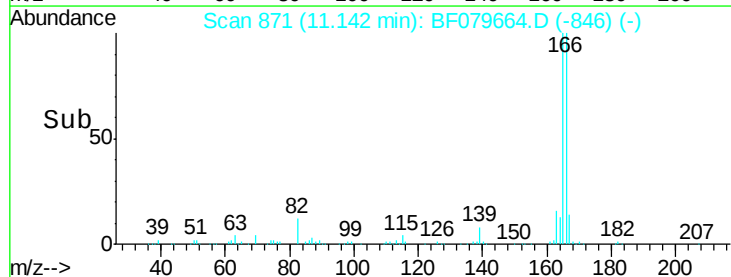
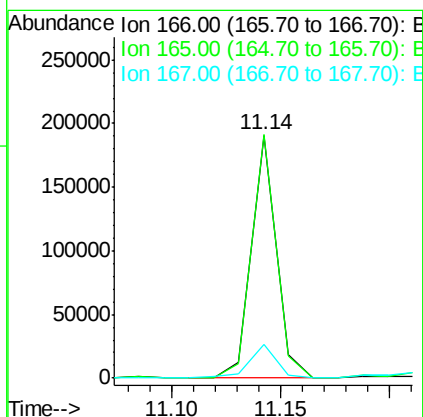
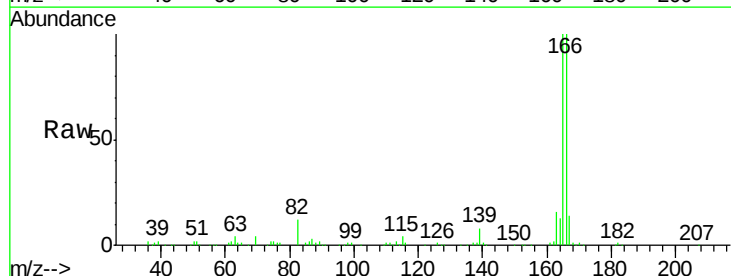
Manual Integrations
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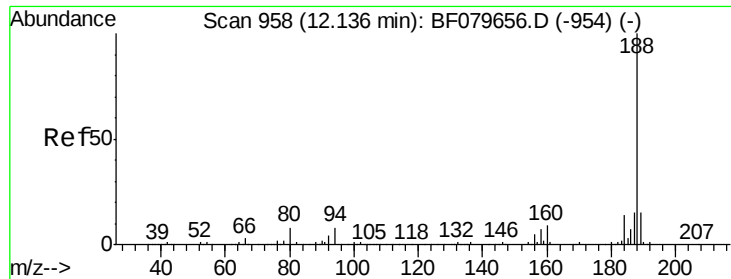
apatel
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#57
Fluorene
Concen: 10.73 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	152880		
165	100.5		79.8	119.6
167	14.0		10.6	15.8





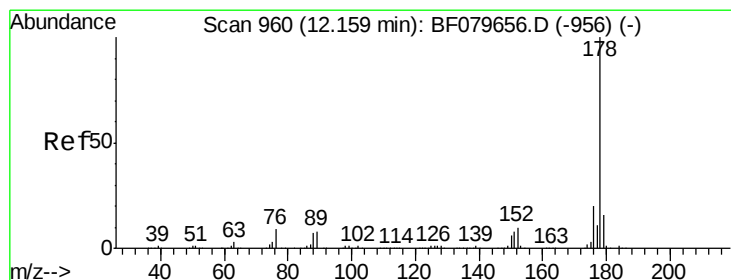
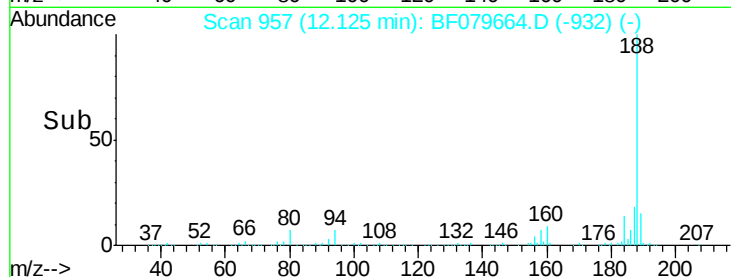
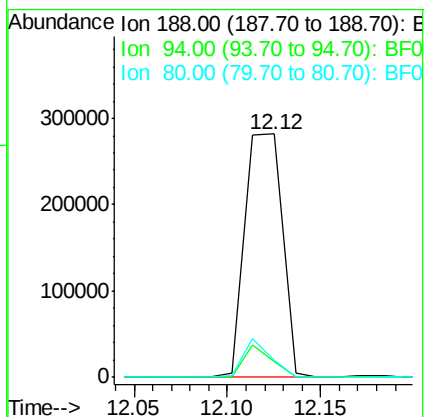
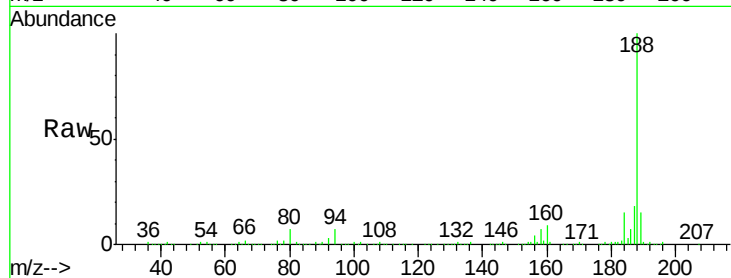
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	6.1	9.1
80	7.0	6.2	9.2

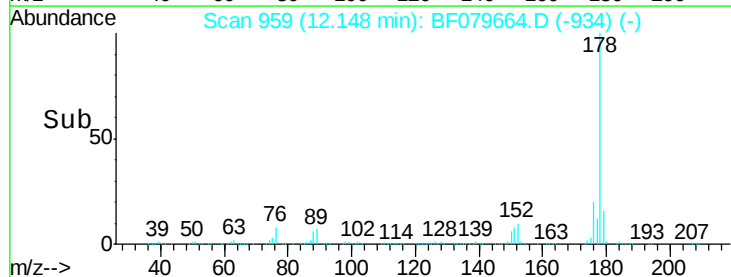
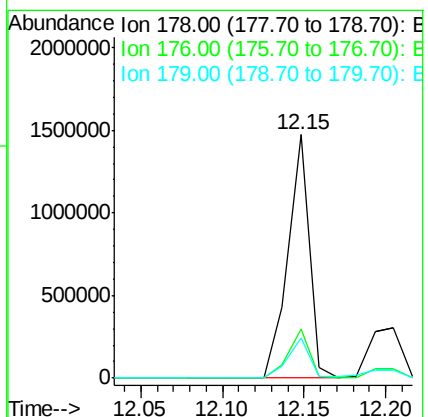
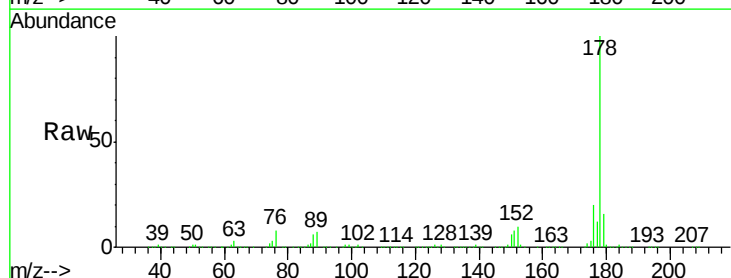
Manual Integrations
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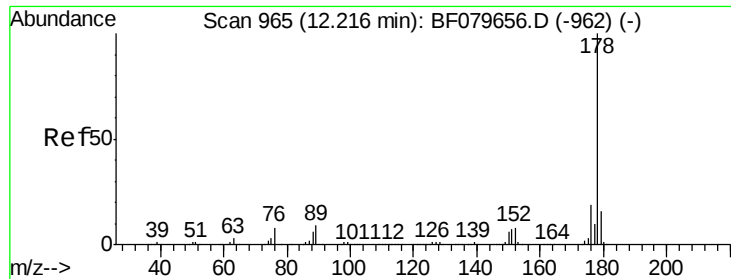
apatel
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#70
Phenanthrene
Concen: 62.38 ng
RT: 12.15 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	12.7	19.1





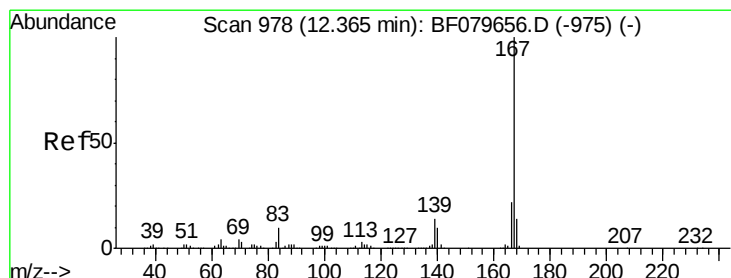
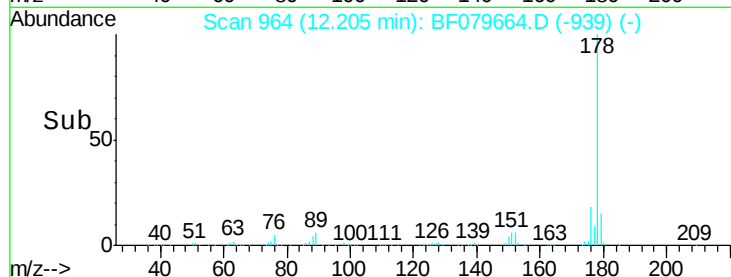
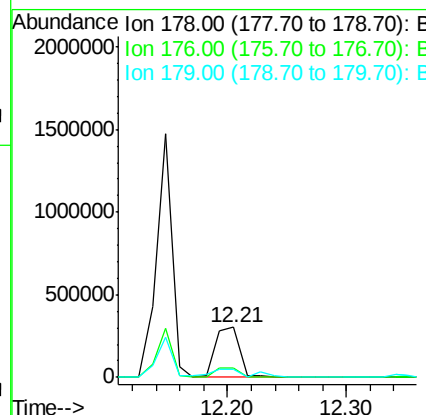
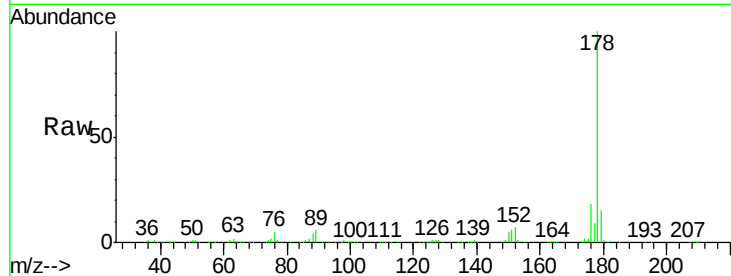
#71
 Anthracene
 Concen: 19.30 ng
 RT: 12.21 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-24DDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	15.0	12.6	19.0

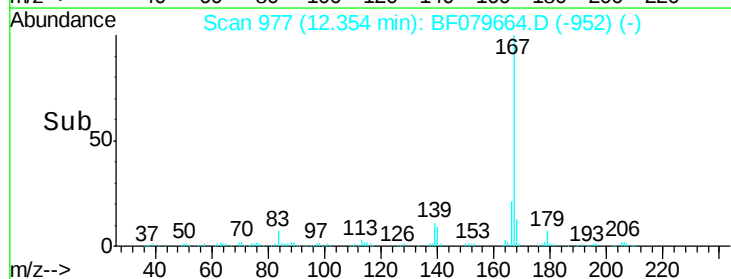
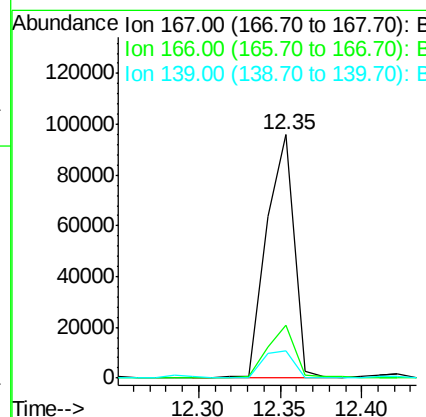
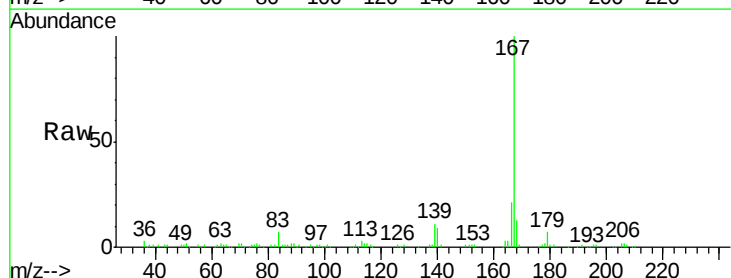
Manual Integrations
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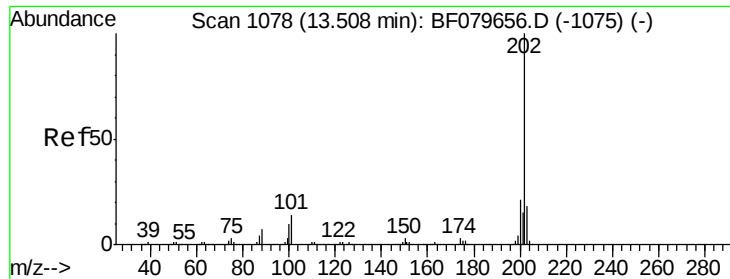
apatel
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#72
 Carbazole
 Concen: 5.61 ng
 RT: 12.35 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	11.5	11.3	16.9





#74

Fluoranthene

Concen: 62.92 ng

RT: 13.46 min Scan# 1074

Delta R.T. -0.05 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Instrument :

BNA_F

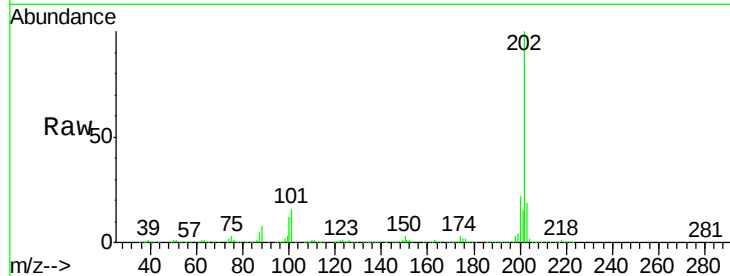
ClientSampled :

SB-24DDL

Tot Ion:	202	Resp:	1472697
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	34.0
203	19.2	0.0	37.9

Manual Integrations
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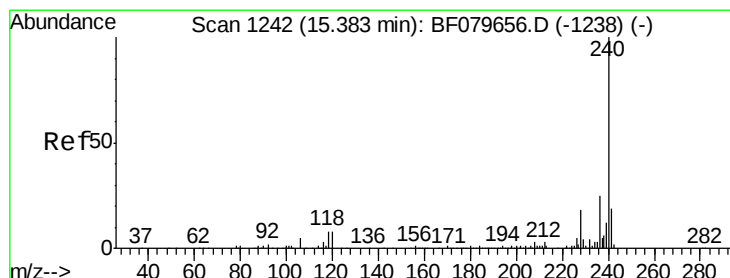
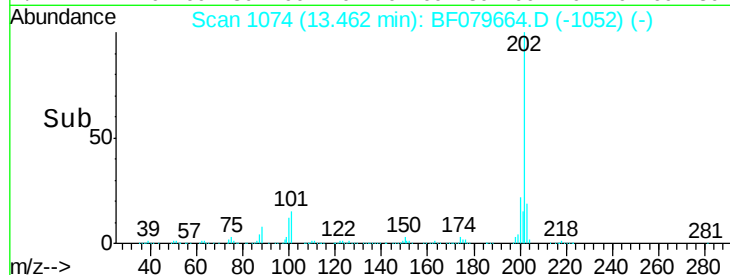
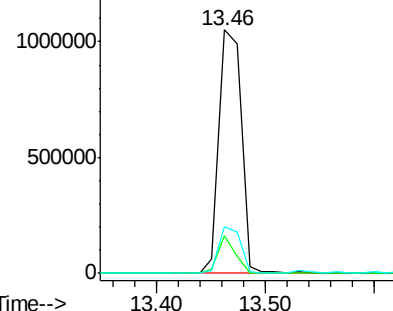
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Abundance Ion 202.00 (201.70 to 202.70): E

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

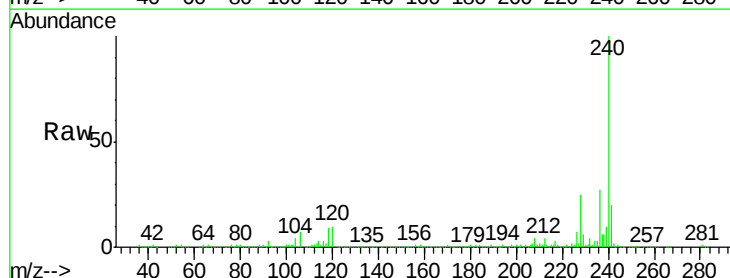
RT: 15.26 min Scan# 1231

Delta R.T. -0.13 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

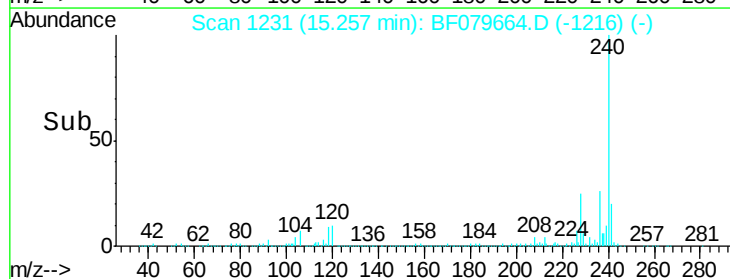
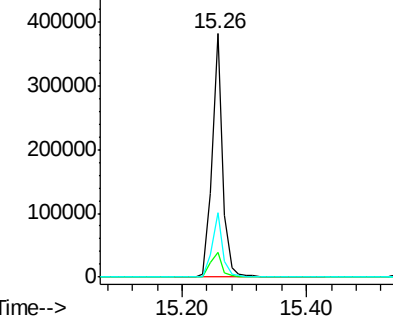
Tgt Ion:	240	Resp:	444571
Ion Ratio	Lower	Upper	
240	100		
120	10.3	6.4	9.6#
236	26.5	20.2	30.4

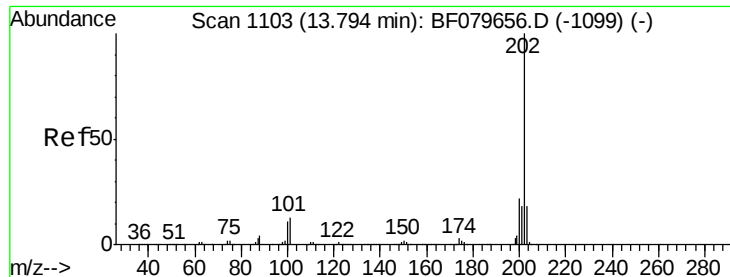


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 49.31 ng

RT: 13.74 min Scan# 1098

Delta R.T. -0.06 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Instrument :

BNA_F

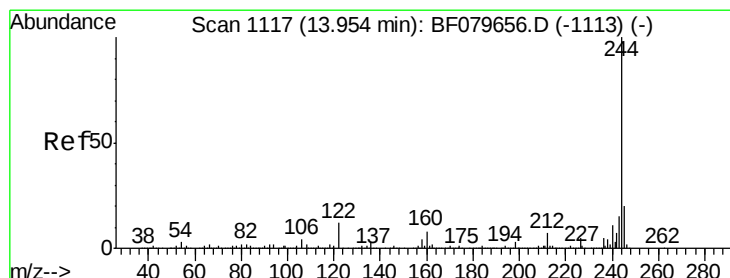
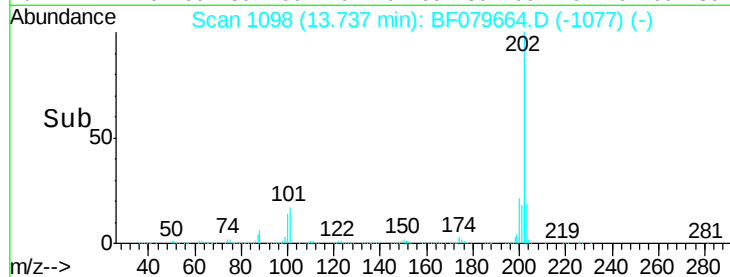
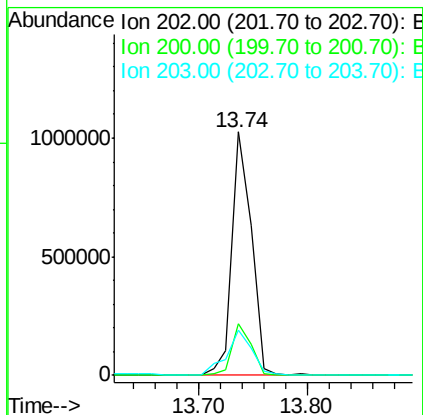
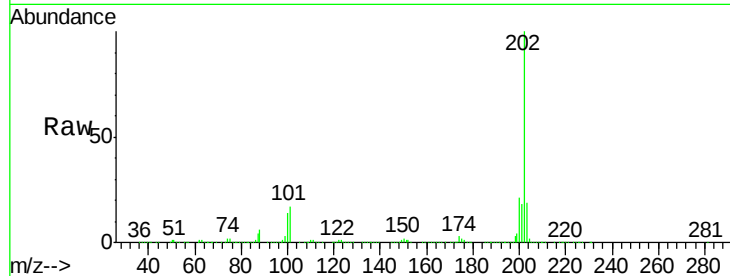
ClientSampleId :

SB-24DDL

Tot Ion:	202	Resp:	1262141
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	18.6	14.5	21.7

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#78

Terphenyl-d14

Concen: 30.24 ng

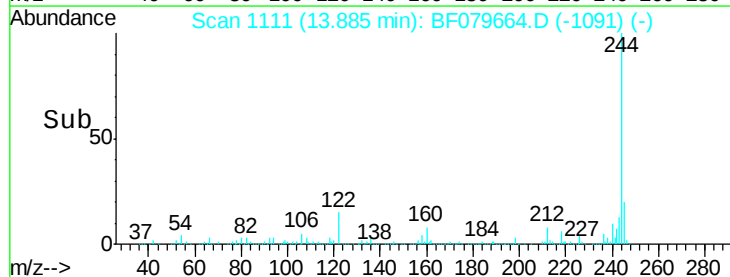
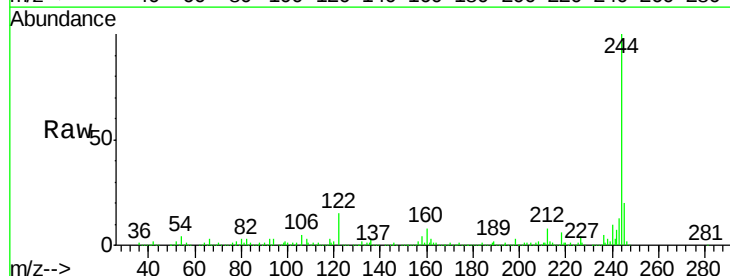
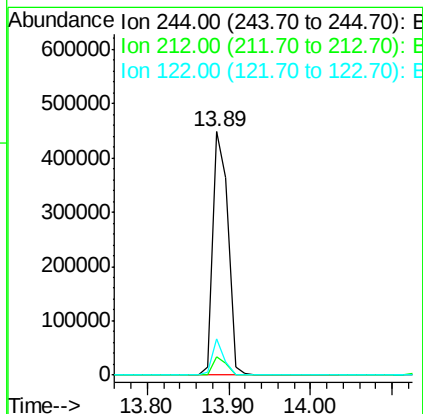
RT: 13.89 min Scan# 1111

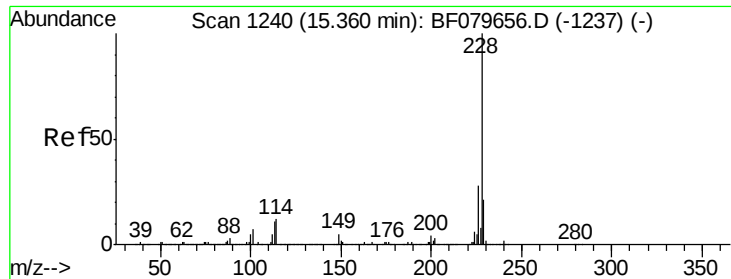
Delta R.T. -0.07 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Tgt Ion:	244	Resp:	583538
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	14.8	9.8	14.6#





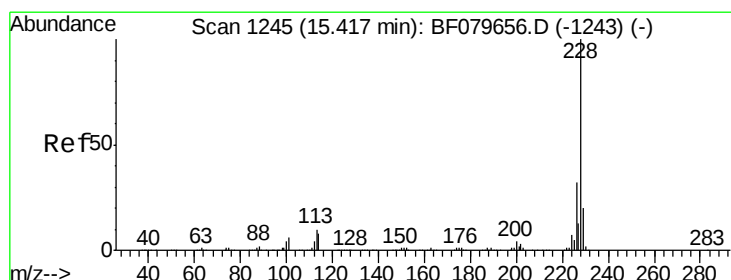
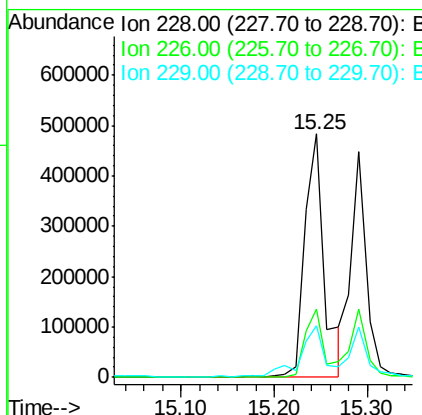
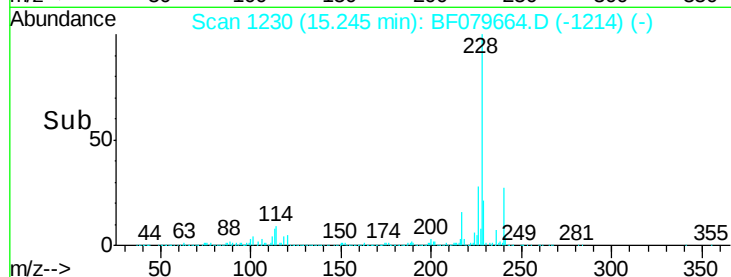
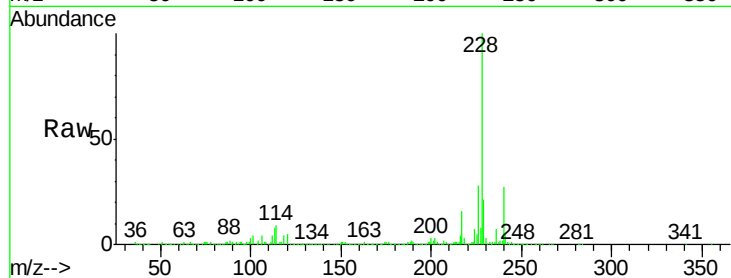
#80
Benzo(a)anthracene
Concen: 29.48 ng
RT: 15.25 min Scan# 1230
Delta R.T. -0.11 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	21.1	16.6	24.8

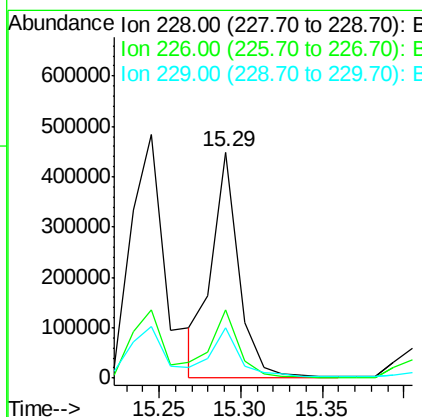
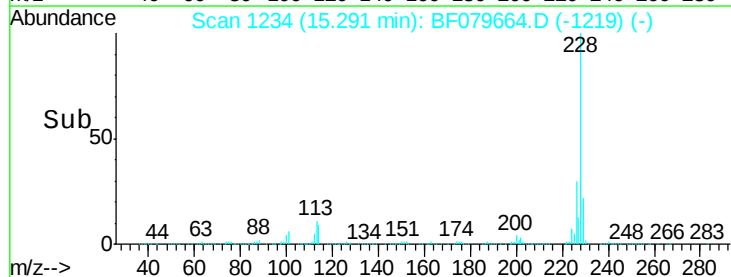
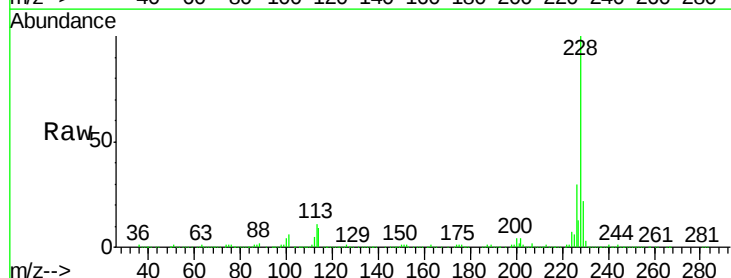
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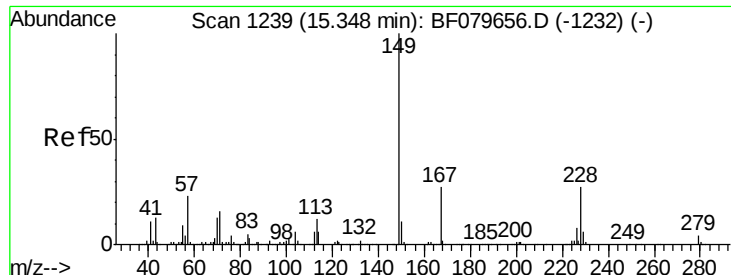
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#82
Chrysene
Concen: 21.27 ng
RT: 15.29 min Scan# 1234
Delta R.T. -0.13 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.2	37.8
229	22.3	16.3	24.5





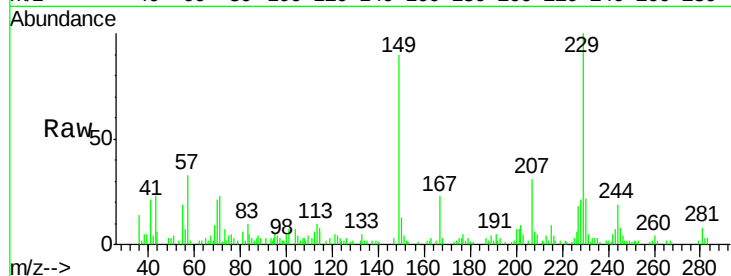
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.92 ng
 RT: 15.21 min Scan# 1227
 Delta R.T. -0.14 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-24DDL

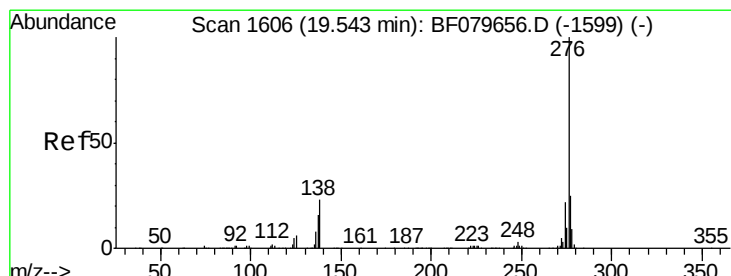
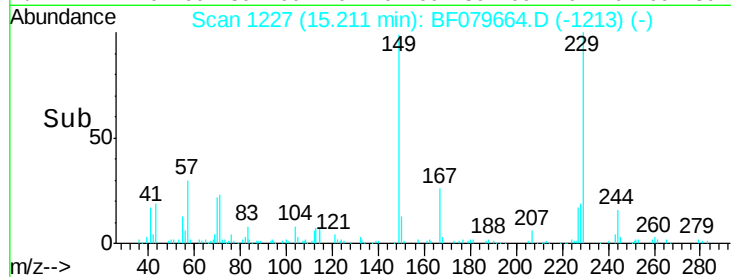
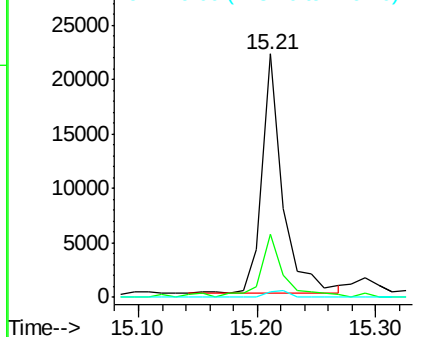
Tot Ion:	149	Resp:	26679
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.6	32.4
279	2.3	3.1	4.7#

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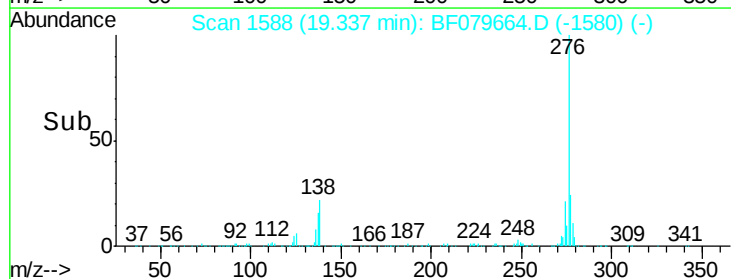
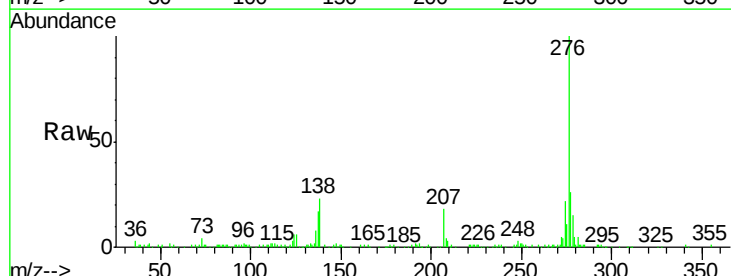
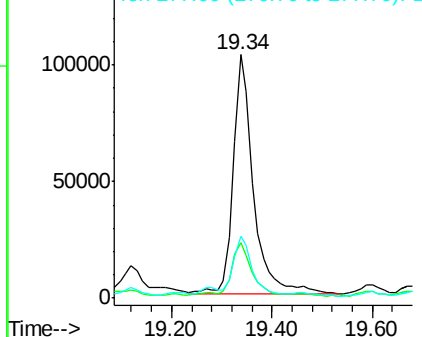
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

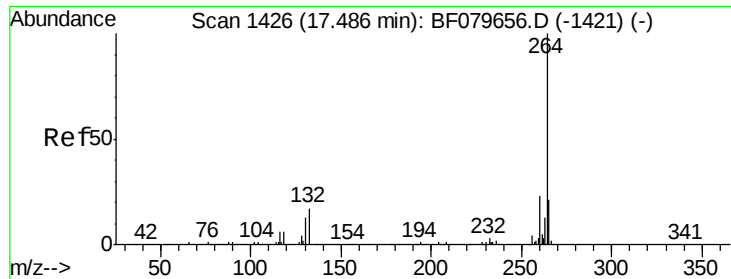


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.02 ng
 RT: 19.34 min Scan# 1588
 Delta R.T. -0.21 min
 Lab File: BF079664.D
 Acq: 3 Jun 2015 16:05

Tgt Ion:	276	Resp:	287496
Ion Ratio	Lower	Upper	
276	100		
138	21.9	21.9	32.9#
277	22.6	20.2	30.4

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: 17.30 min Scan# 1410

Delta R.T. -0.18 min

Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Instrument :

BNA_F

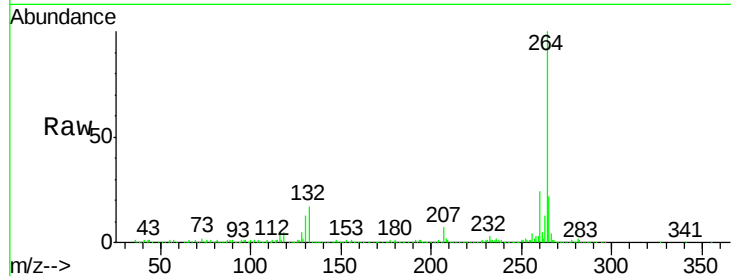
ClientSampleId :

SB-24DDL

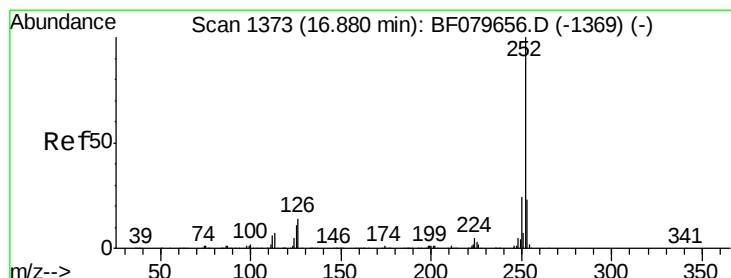
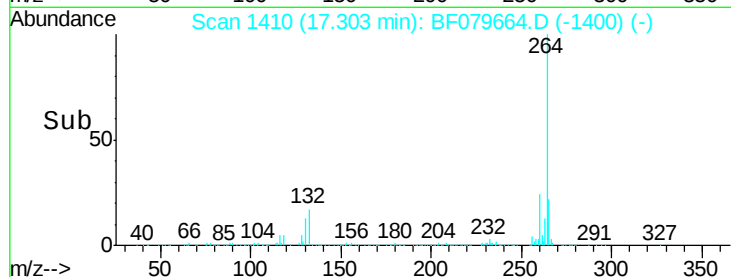
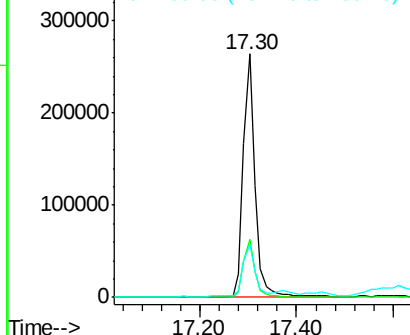
Tot Ion:	264	Resp:	451063
Ion Ratio		Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.4	26.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 28.37 ng m

RT: 16.71 min Scan# 1358

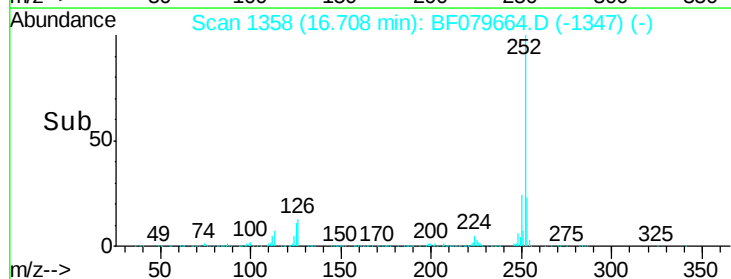
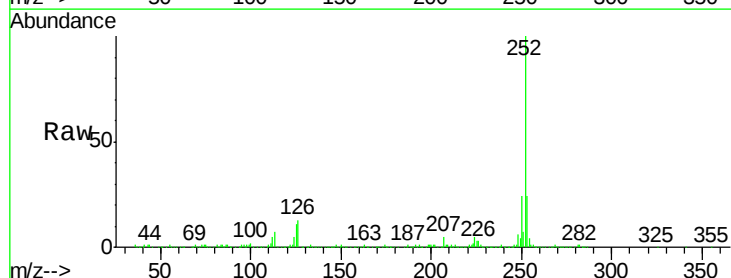
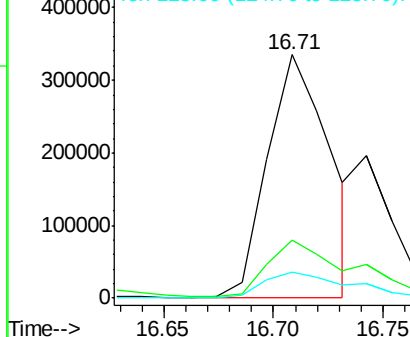
Delta R.T. -0.17 min

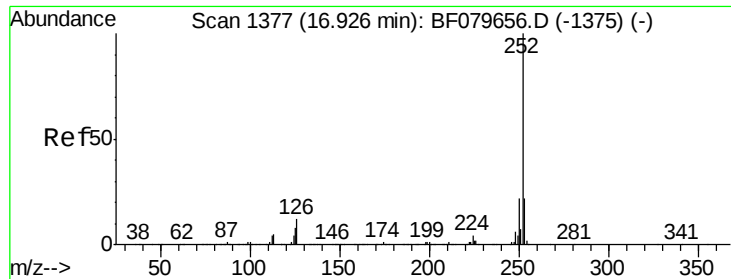
Lab File: BF079664.D

Acq: 3 Jun 2015 16:05

Tgt Ion:	252	Resp:	661317
Ion Ratio		Lower	Upper
252	100		
253	23.8	18.0	27.0
125	10.9	8.7	13.1

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





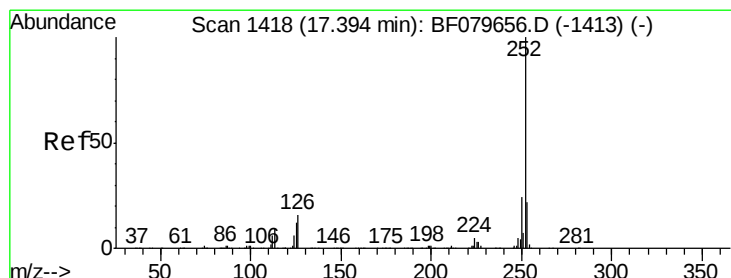
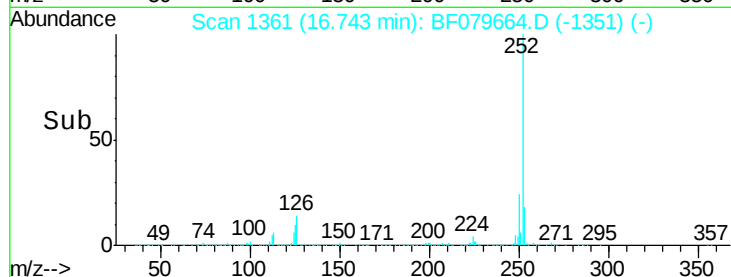
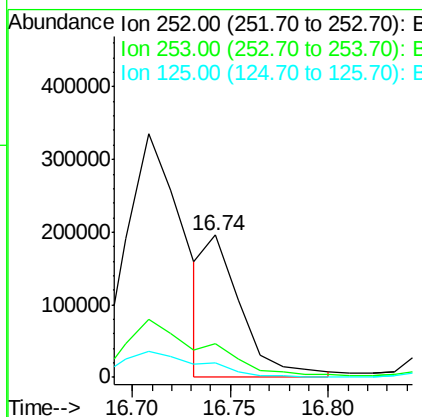
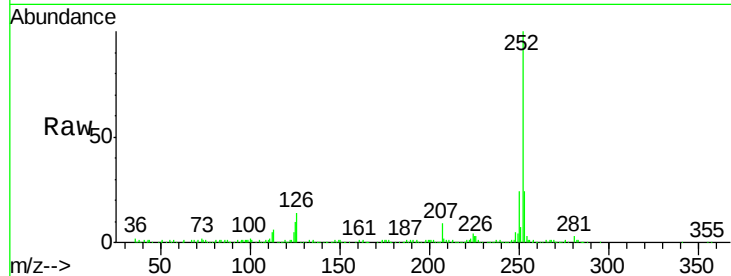
#88
Benzo(k)fluoranthene
Concen: 9.19 ng m
RT: 16.74 min Scan# 1361
Delta R.T. -0.18 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	10.4	7.1	10.7

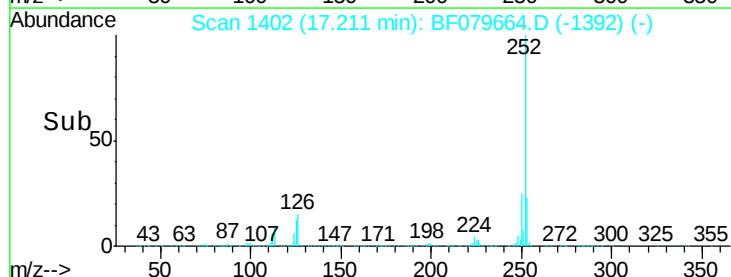
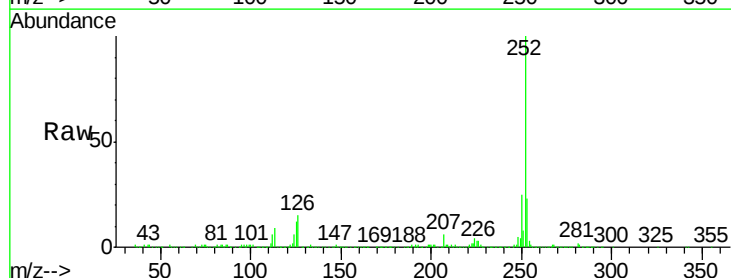
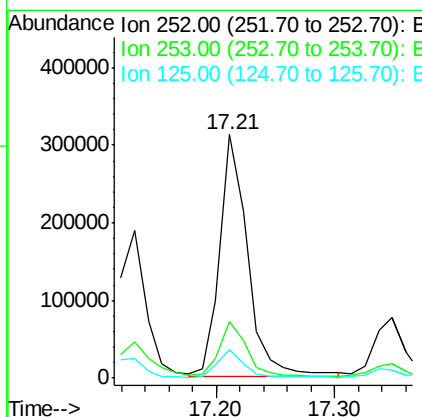
Manual Integrations
APPROVED

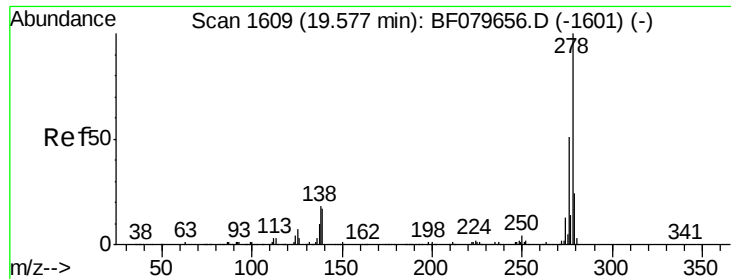
apatel
6/5/2015 8:05:52 AM



#89
Benzo(a)pyrene
Concen: 22.41 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.18 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	11.9	9.4	14.0





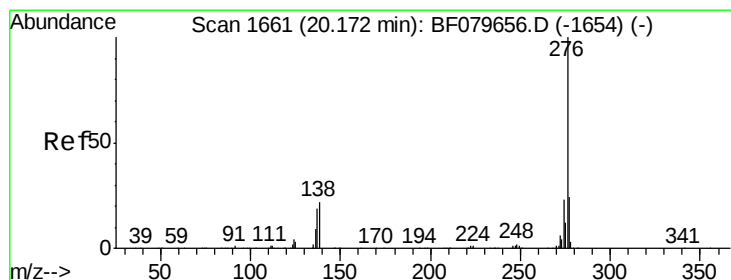
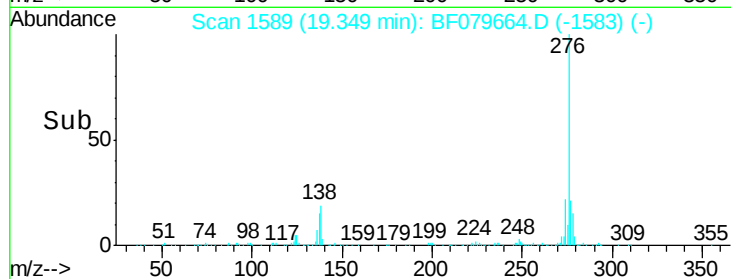
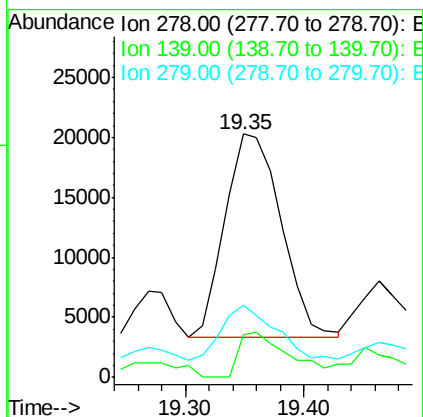
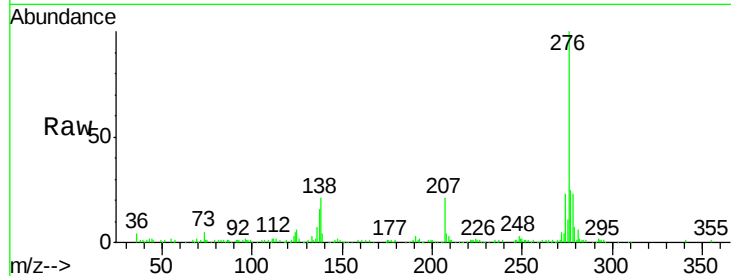
#90
Dibenzo(a,h)anthracene
Concen: 2.59 ng
RT: 19.35 min Scan# 1589
Delta R.T. -0.23 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB-24DDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.7	20.5
279	29.8	19.6	29.4

Manual Integrations
APPROVED

apatel
6/5/2015 8:05:52 AM



#91
Benzo(g,h,i)perylene
Concen: 12.10 ng
RT: 19.95 min Scan# 1642
Delta R.T. -0.22 min
Lab File: BF079664.D
Acq: 3 Jun 2015 16:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	22.6	17.4	26.0

