

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
 Data File : BF080183.D
 Acq On : 26 Jun 2015 00:55
 Operator : TP/IZ
 Sample : G2699-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Manual Integrations
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Quant Time: Jun 26 03:49:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 26 01:01:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	29092	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	115939	20.00	ng	0.00
38) Acenaphthene-d10	10.36	164	64320	20.00	ng	0.00
63) Phenanthrene-d10	11.86	188	128862	20.00	ng	0.00
75) Chrysene-d12	14.77	240	136347	20.00	ng	-0.06
86) Perylene-d12	16.62	264	133337	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	264922	161.20	ng	0.00
7) Phenol-d6	6.89	99	342294	156.52	ng	-0.01
23) Nitrobenzene-d5	7.85	82	218840	109.89	ng	0.00
41) 2,4,6-Tribromophenol	11.16	330	104799	166.63	ng	0.00
44) 2-Fluorobiphenyl	9.66	172	401411	89.00	ng	-0.01
78) Terphenyl-d14	13.52	244	499838	85.62	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.61	128	13408	2.21	ng	98
49) Dimethylphthalate	10.05	163	43743	9.05	ng	# 97
70) Phenanthrene	11.89	178	17387	2.23	ng	97
74) Fluoranthene	13.13	202	44490	5.35	ng	87
77) Pyrene	13.38	202	43809	5.22	ng	97
80) Benzo(a)anthracene	14.76	228	38908	4.68	ng	94
82) Chrysene	14.80	228	32491	4.24	ng	95
85) Indeno(1,2,3-cd)pyrene	18.44	276	34574	3.58	ng	# 84
87) Benzo(b)fluoranthene	16.08	252	57235m	7.09	ng	
88) Benzo(k)fluoranthene	16.12	252	17166m	2.09	ng	
89) Benzo(a)pyrene	16.54	252	44651	5.82	ng	# 85
91) Benzo(g,h,i)perylene	18.99	276	34434	4.35	ng	# 78

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

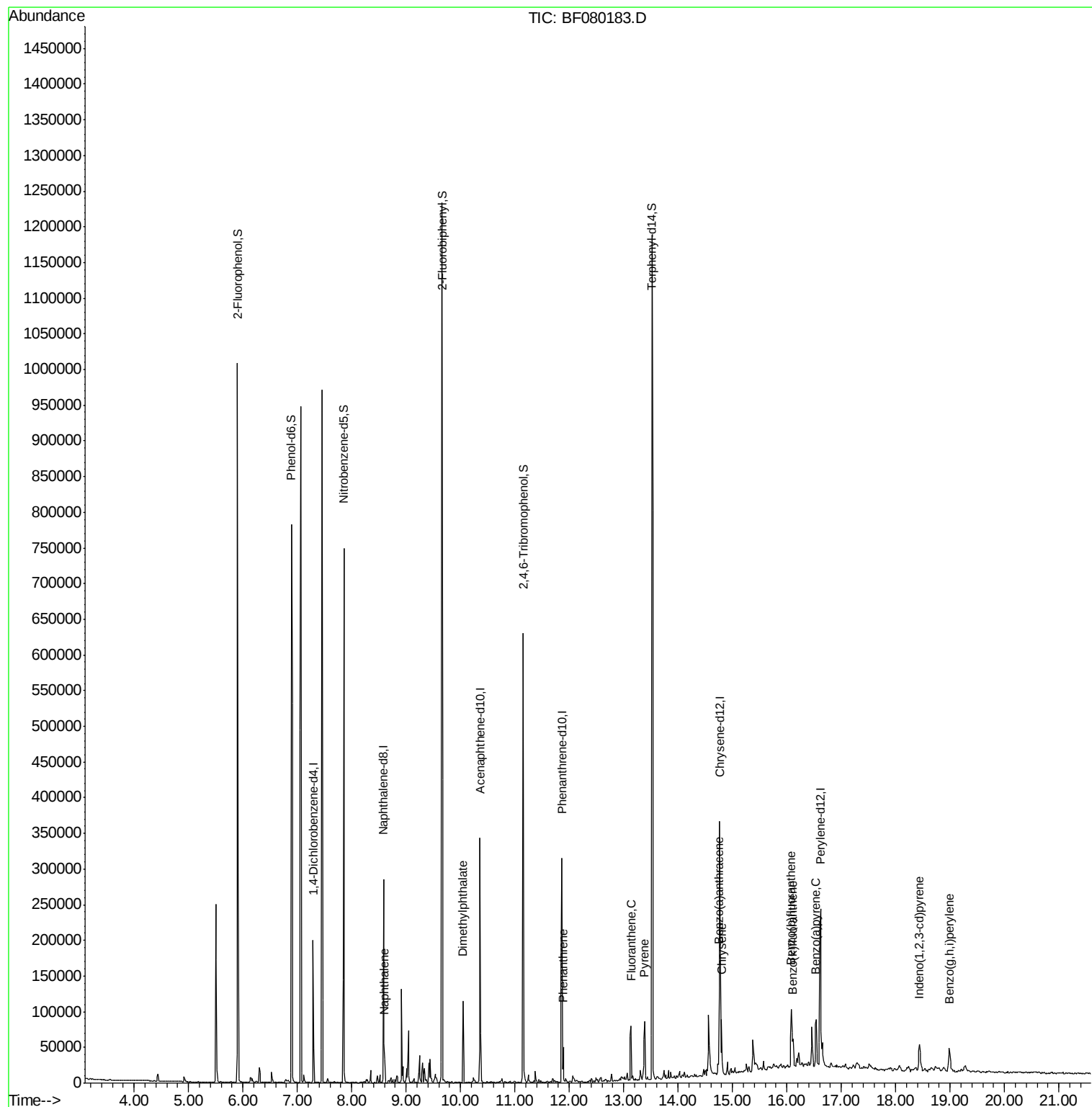
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
Data File : BF080183.D
Acq On : 26 Jun 2015 00:55
Operator : TP/IZ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

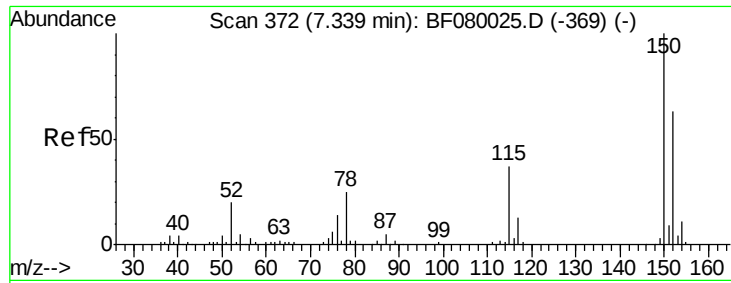
Instrument :
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ClientSampleId :
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Quant Time: Jun 26 03:49:19 2015
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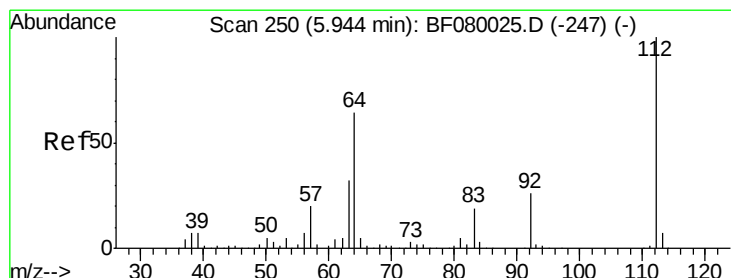
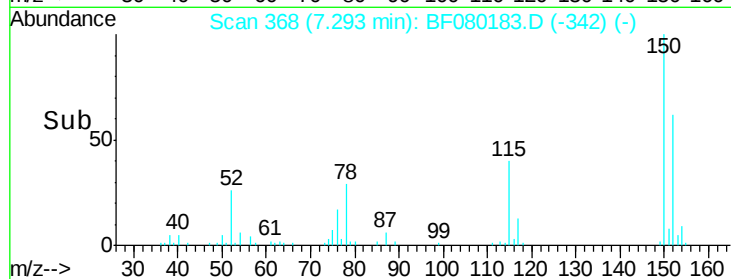
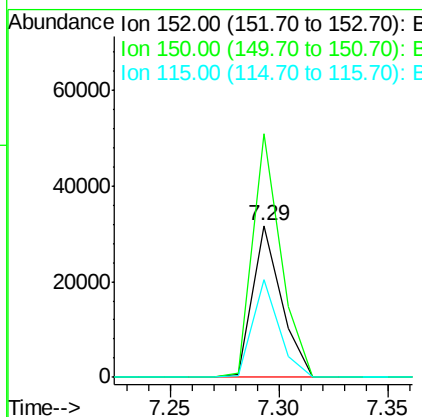
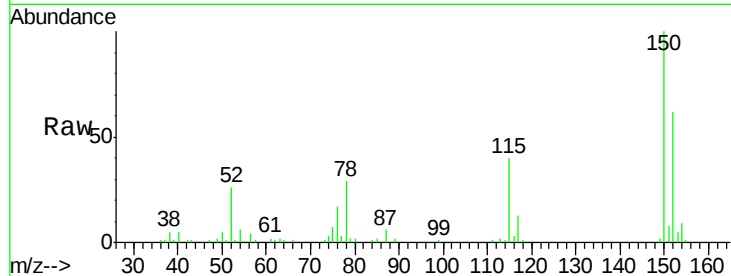
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.29 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.7	187.1
115	64.8	39.0	58.4#

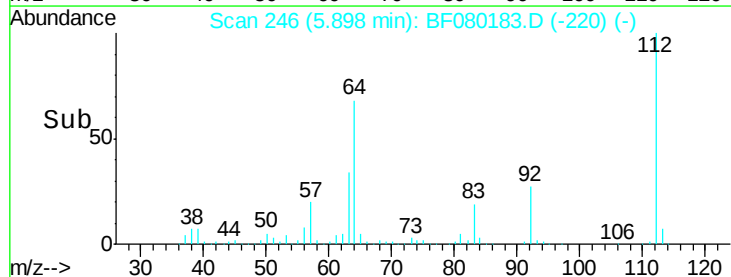
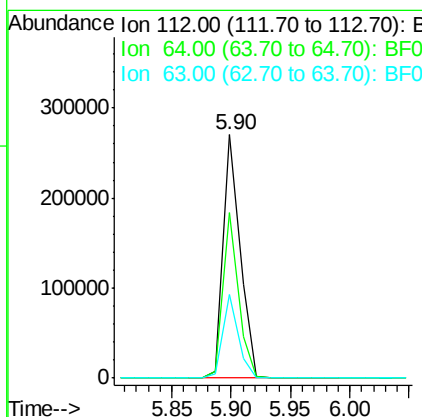
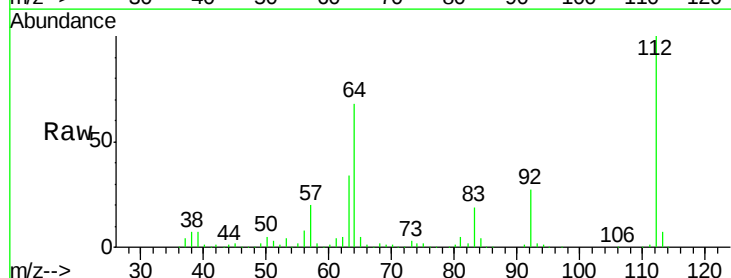
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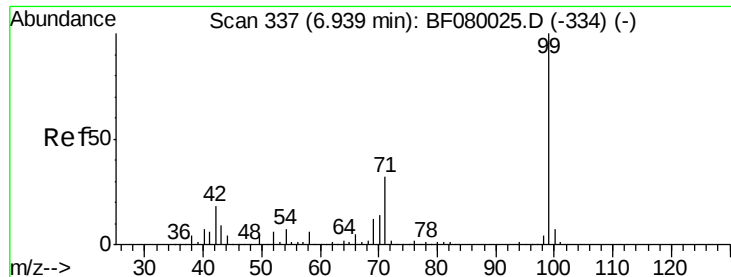
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#5
 2-Fluorophenol
 Concen: 161.20 ng
 RT: 5.90 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	39.7	59.5#
63	34.1	17.4	26.0#





#7

Phenol-d6

Concen: 156.52 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

Tgt Ion: 99 Resp: 342294

Ion Ratio Lower Upper

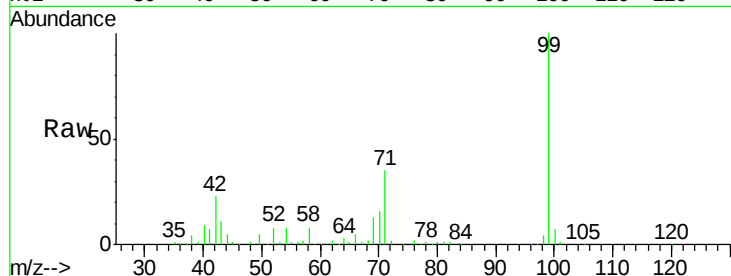
99 100

42 22.6 13.7 20.5#

71 35.2 14.2 21.2#

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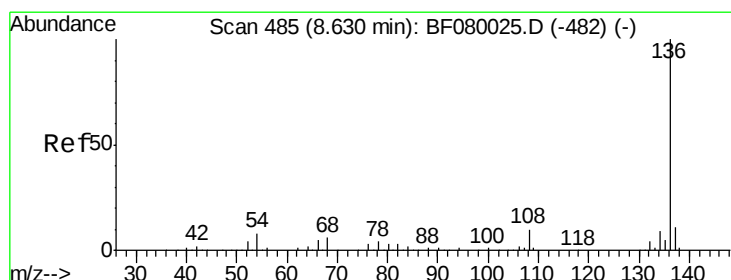
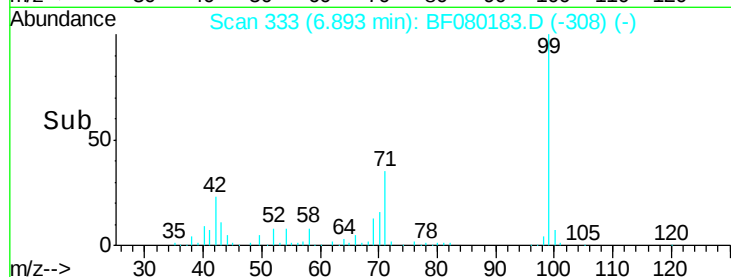
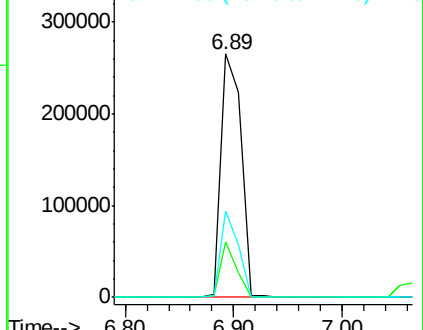
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.58 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Tgt Ion: 136 Resp: 115939

Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 9.7 8.2 12.2

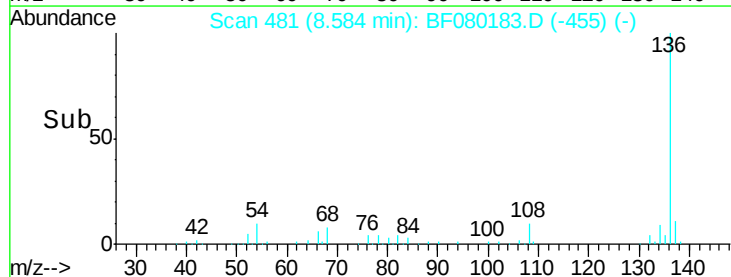
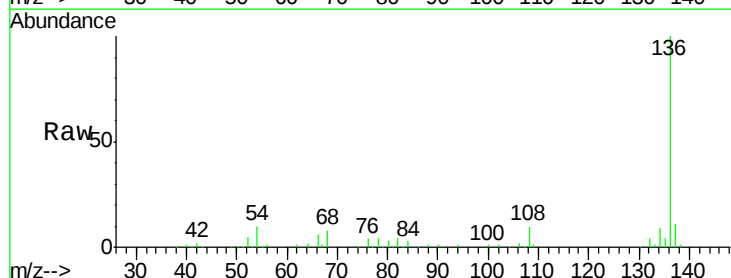
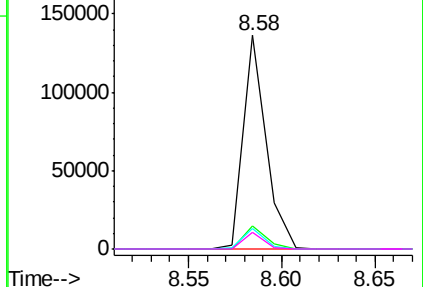
68 7.5 5.8 8.6

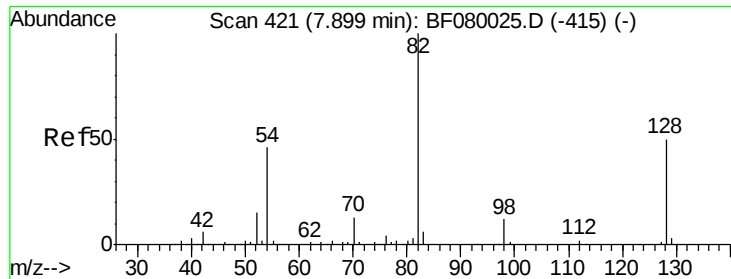
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 109.89 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

LAR9819RE

Tgt Ion: 82 Resp: 218840
Ion Ratio Lower Upper

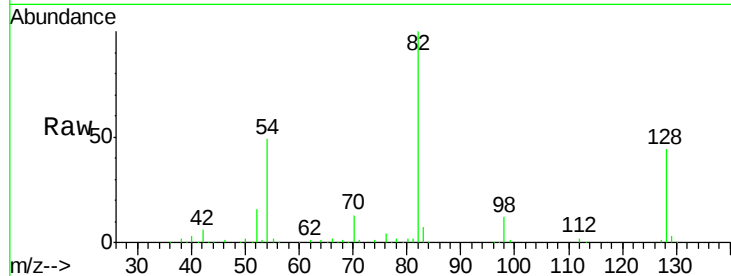
82 100

128 44.4 51.0 76.6#

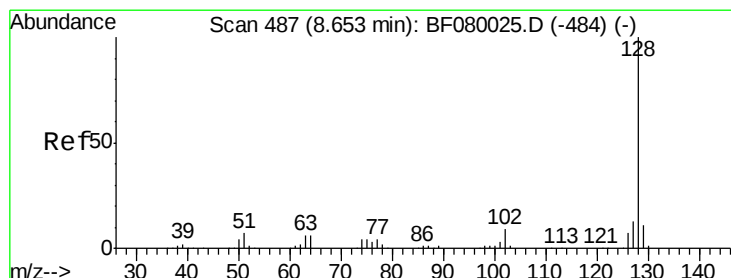
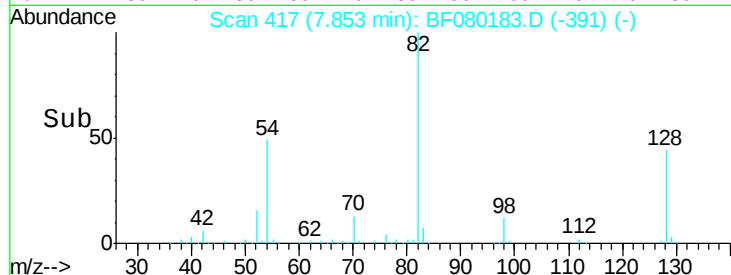
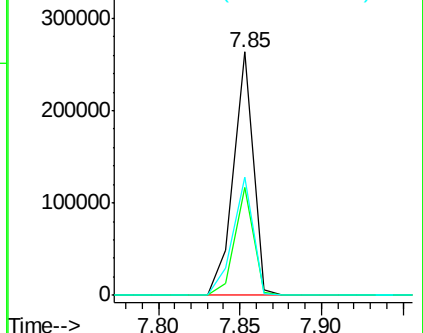
54 48.7 47.5 71.3

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 2.21 ng

RT: 8.61 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF080183.D

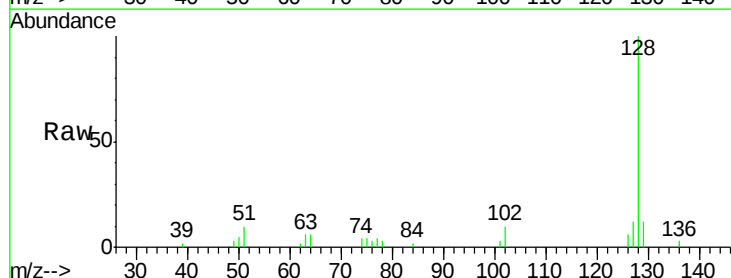
Acq: 26 Jun 2015 00:55

Tgt Ion: 128 Resp: 13408
Ion Ratio Lower Upper

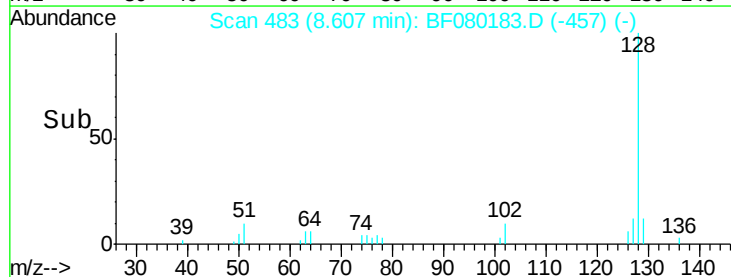
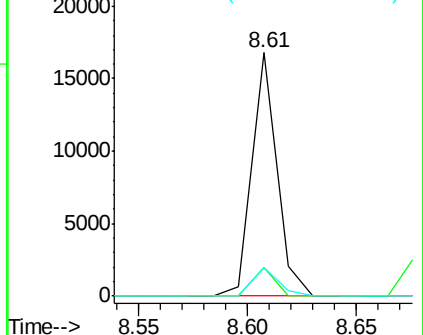
128 100

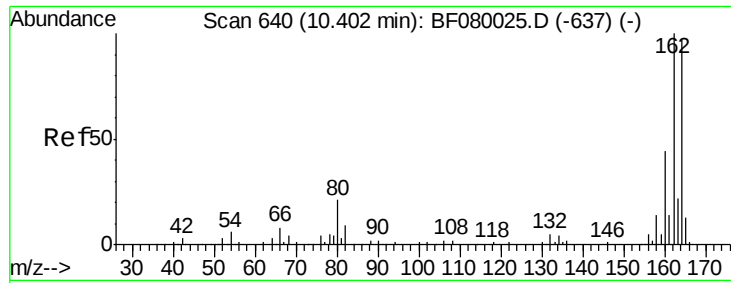
129 11.7 8.4 12.6

127 11.9 9.9 14.9



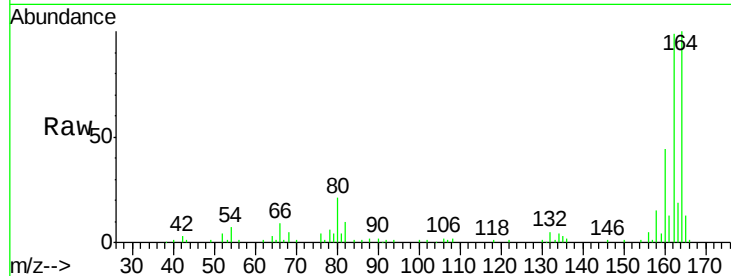
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

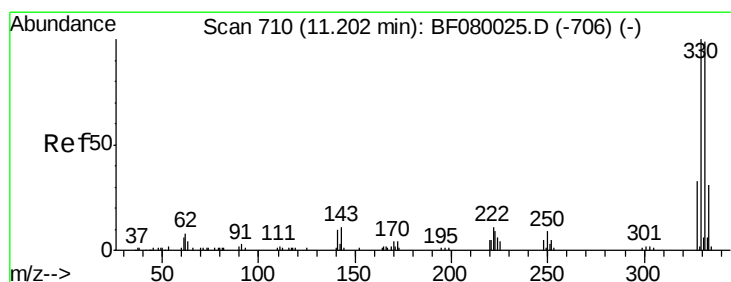
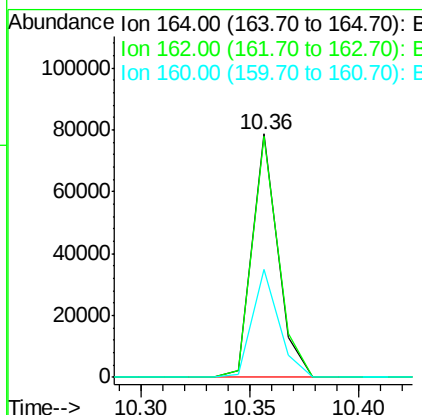
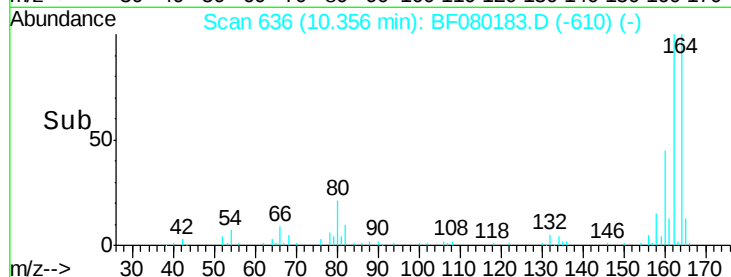
Instrument :
 BNA_F
 ClientSampled :
 LAR9819RE



Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64320		
162	98.9	75.2	112.8	
160	44.1	31.5	47.3	

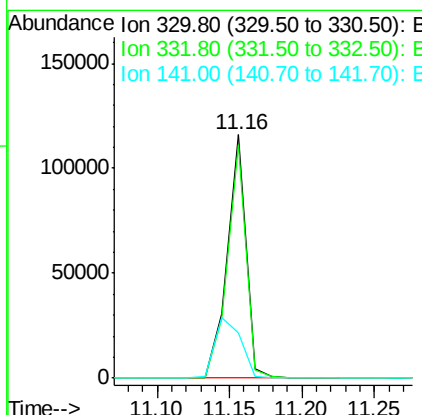
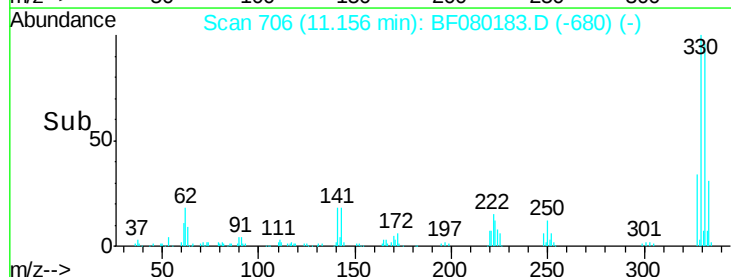
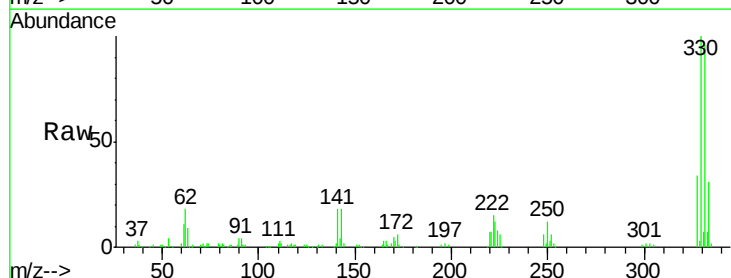
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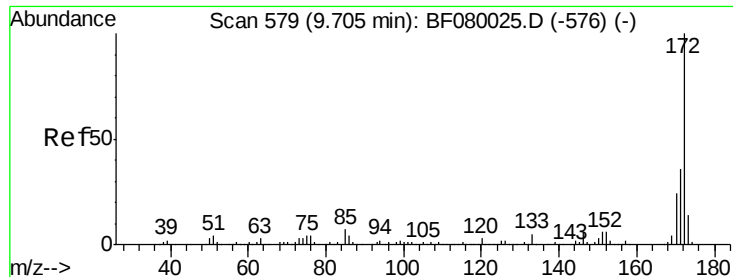
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#41
 2,4,6-Tribromophenol
 Concen: 166.63 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	104799		
332	94.9	76.6	114.8	
141	34.0	29.7	44.5	





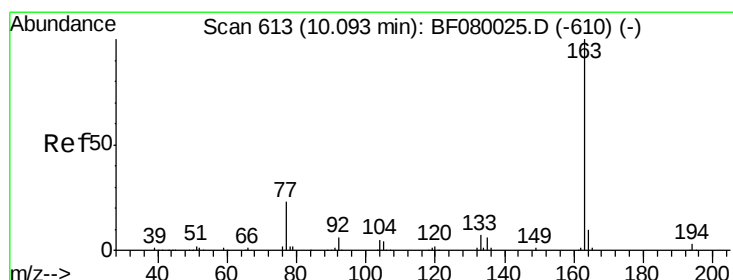
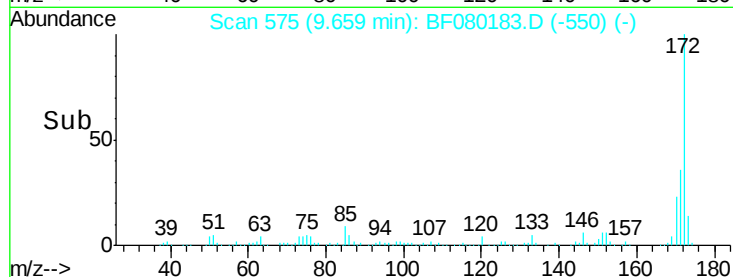
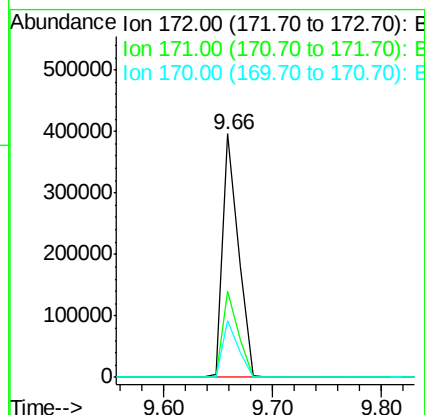
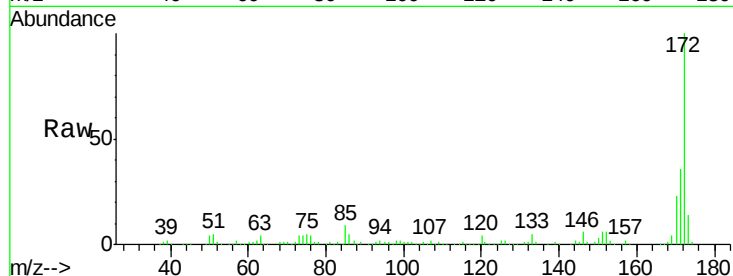
#44
2-Fluorobiphenyl
Concen: 89.00 ng
RT: 9.66 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Instrument :
BNA_F
ClientSampleId :
LAR9819RE

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	401411		
171	35.6	26.1	39.1	
170	23.4	17.4	26.2	

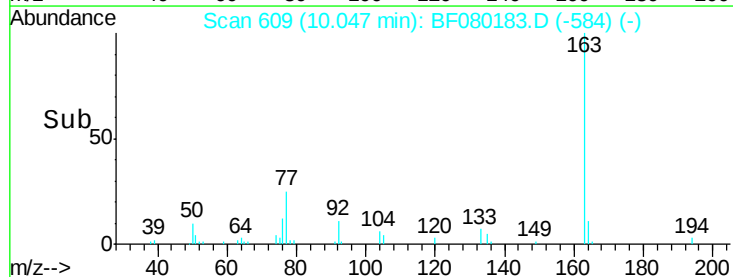
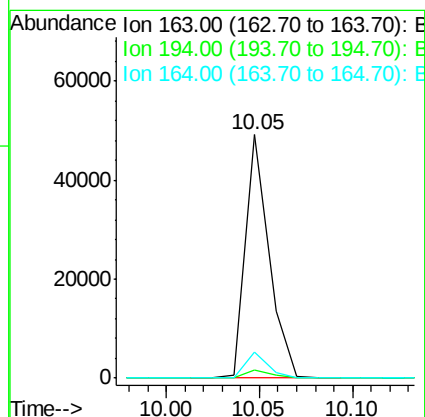
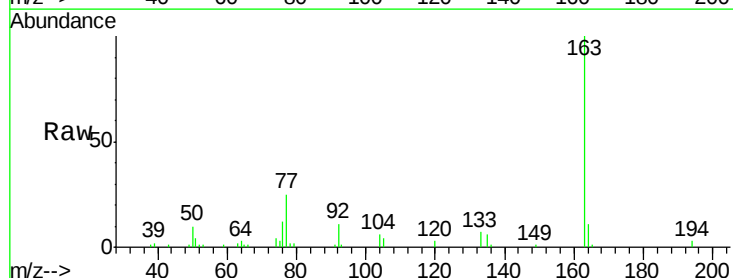
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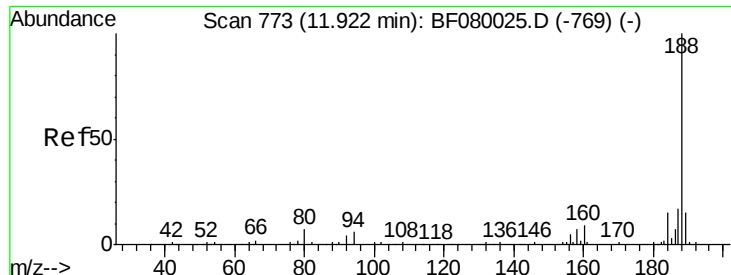
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#49
Dimethylphthalate
Concen: 9.05 ng
RT: 10.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	43743		
194	3.3	4.4	6.6#	
164	10.6	8.3	12.5	





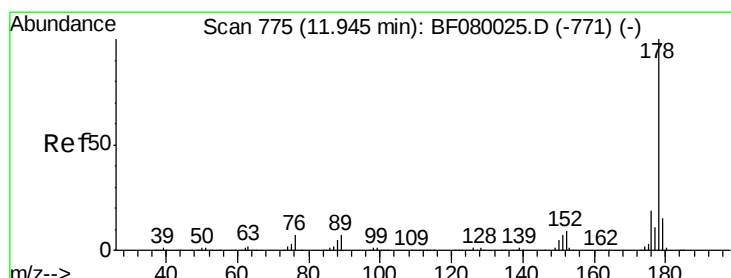
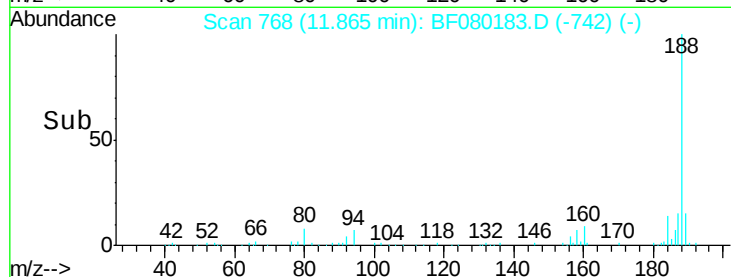
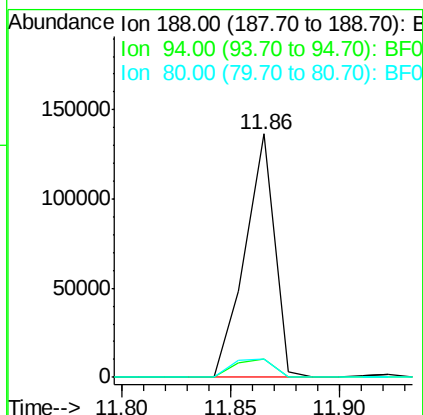
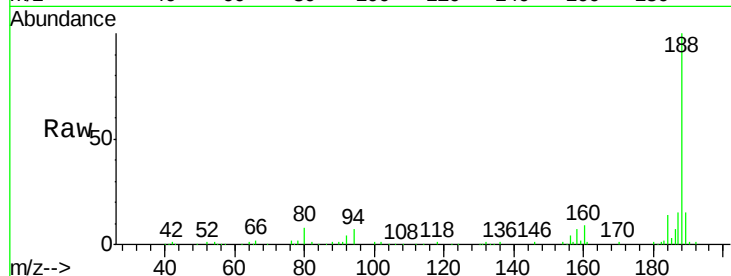
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Instrument :
BNA_F
ClientSampleId :
LAR9819RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	11.1	16.7#
80	7.6	11.0	16.4#

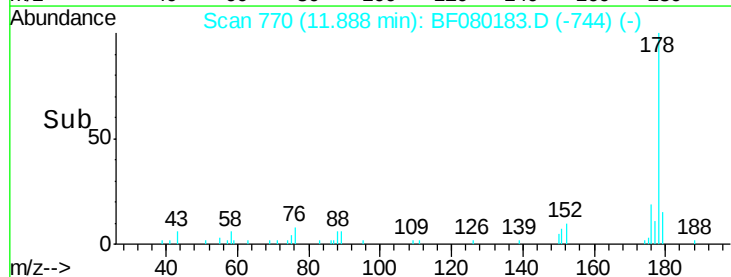
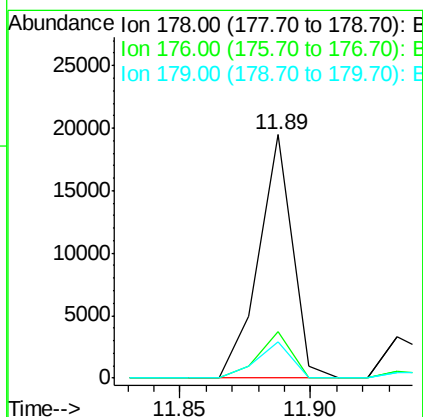
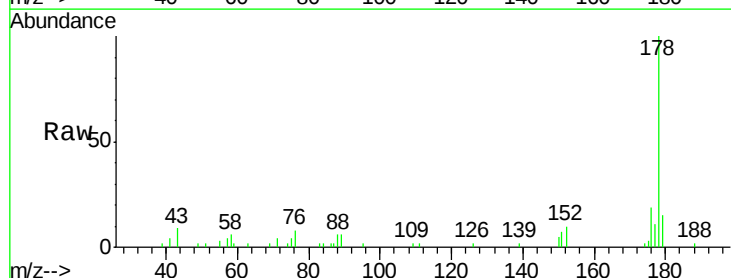
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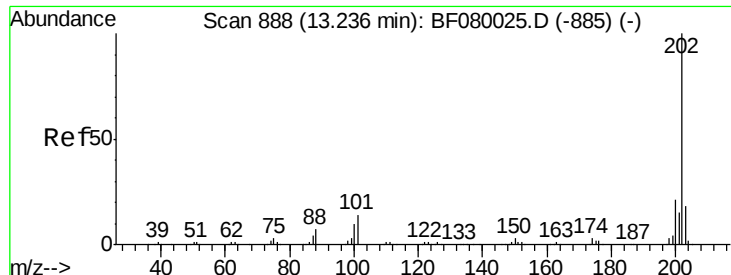
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#70
Phenanthrene
Concen: 2.23 ng
RT: 11.89 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	13.8	20.8
179	14.8	12.2	18.2





#74

Fluoranthene

Concen: 5.35 ng

RT: 13.13 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF080183.D

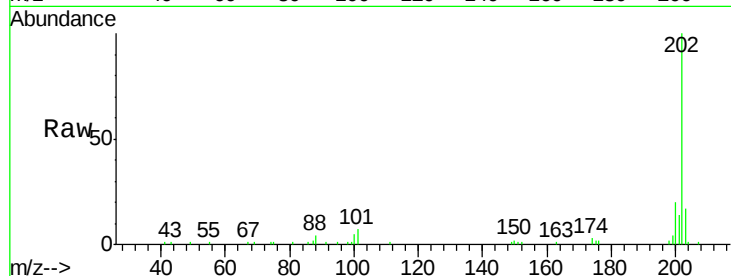
Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

ClientSampleId :

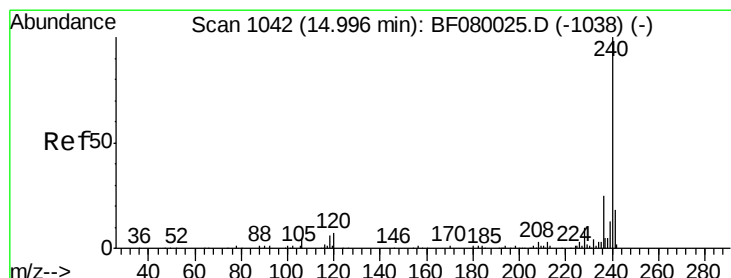
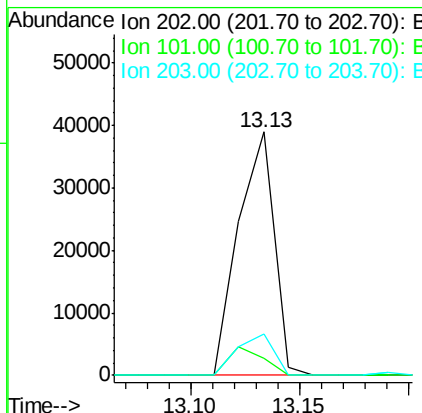
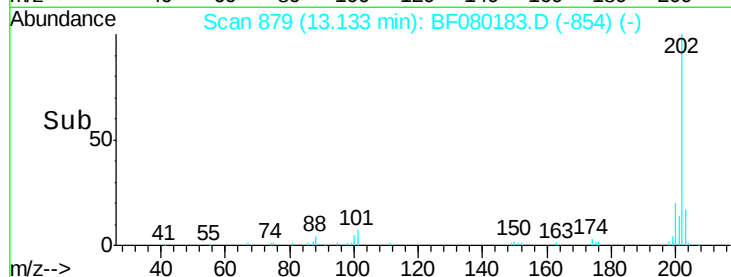
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	44490		
101	7.2	0.0	38.3	
203	16.9	0.0	37.3	

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#75

Chrysene-d12

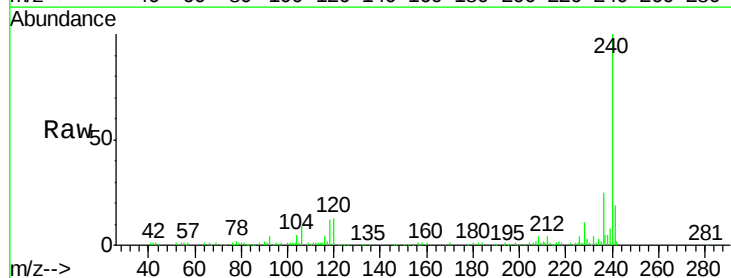
Concen: 20.00 ng

RT: 14.77 min Scan# 1022

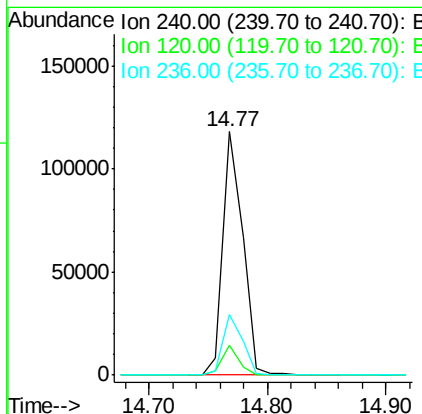
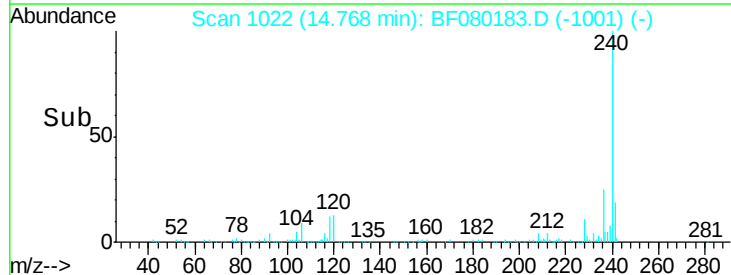
Delta R.T. -0.06 min

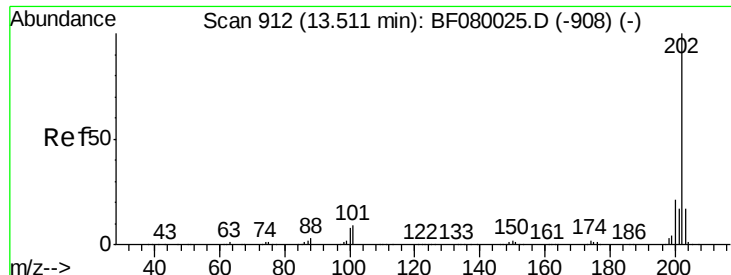
Lab File: BF080183.D

Acq: 26 Jun 2015 00:55



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	136347		
120	12.5	16.2	24.2#	
236	25.1	18.4	27.6	





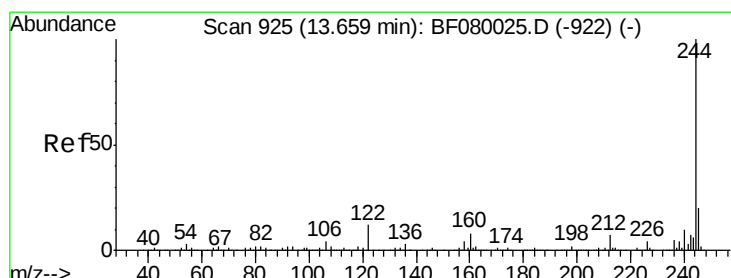
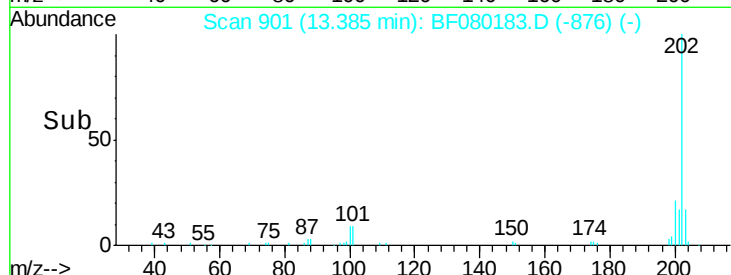
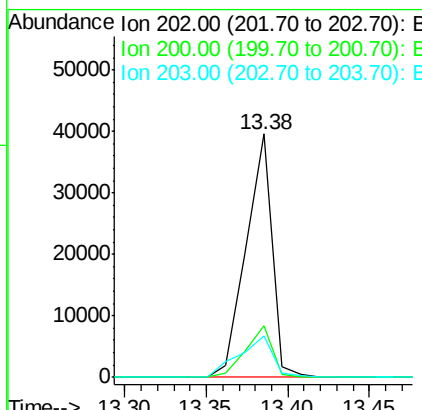
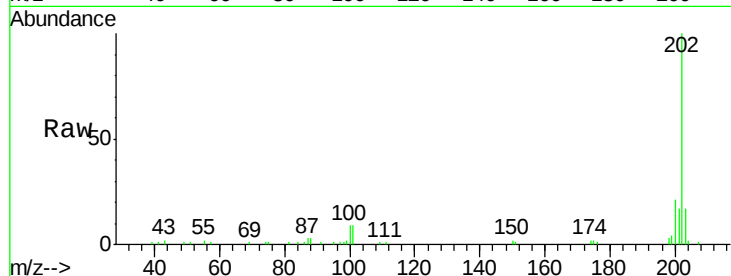
#77
 Pyrene
 Concen: 5.22 ng
 RT: 13.38 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	15.0	22.4
203	17.0	14.1	21.1

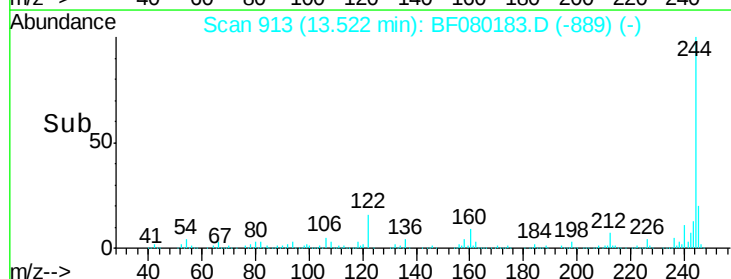
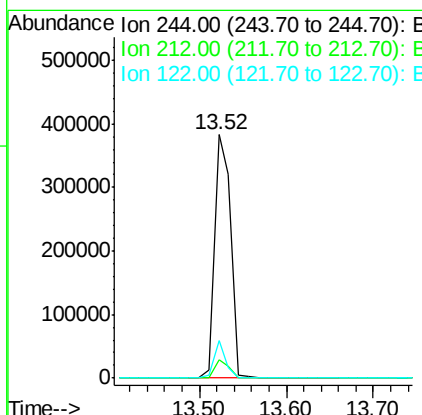
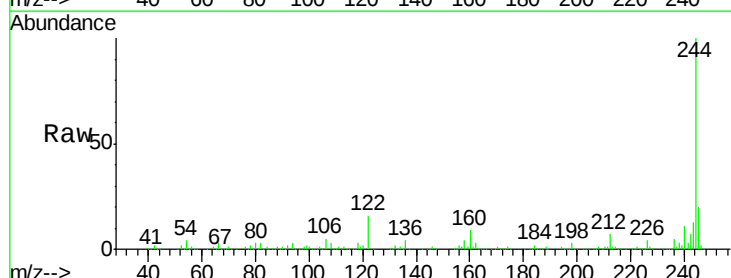
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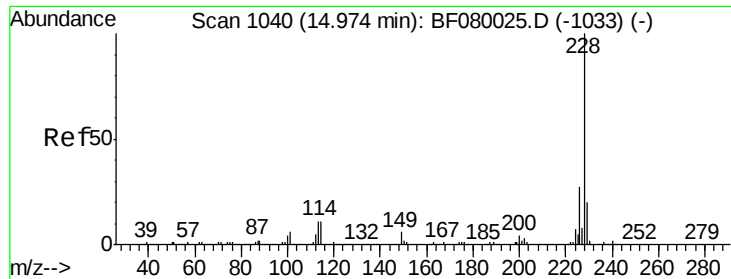
apatel
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#78
 Terphenyl-d14
 Concen: 85.62 ng
 RT: 13.52 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	4.3	6.5#
122	15.6	17.4	26.2#





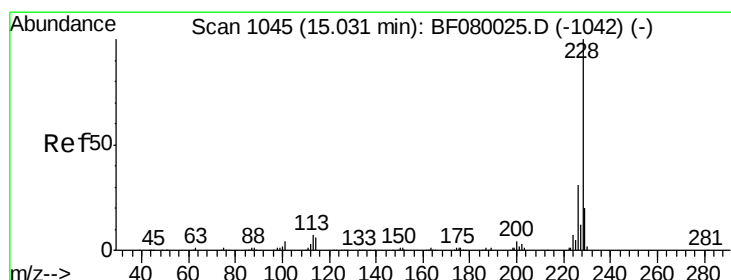
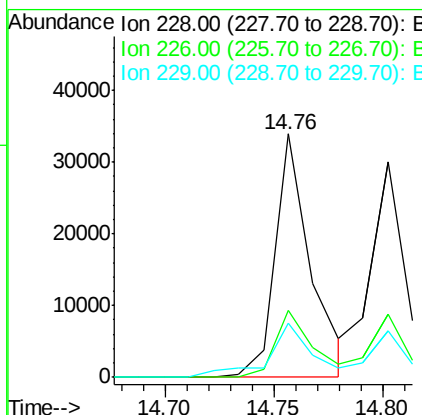
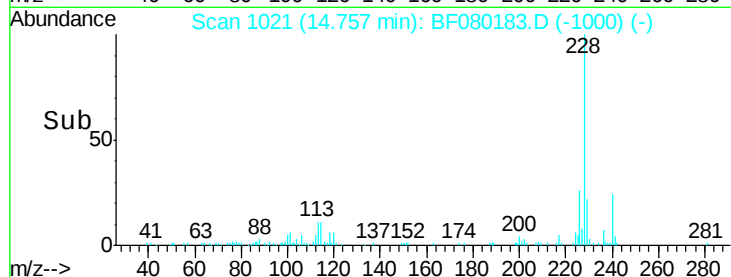
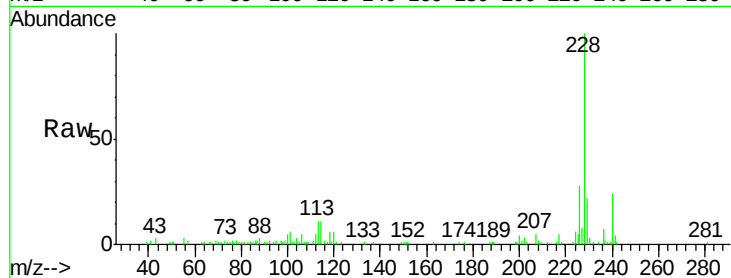
#80
Benzo(a)anthracene
Concen: 4.68 ng
RT: 14.76 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Instrument :
BNA_F
ClientSampleId :
LAR9819RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.0	30.0
229	22.1	15.4	23.2

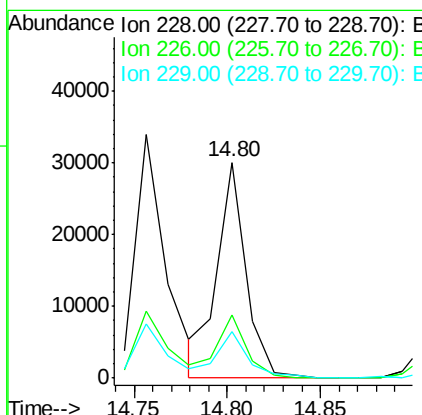
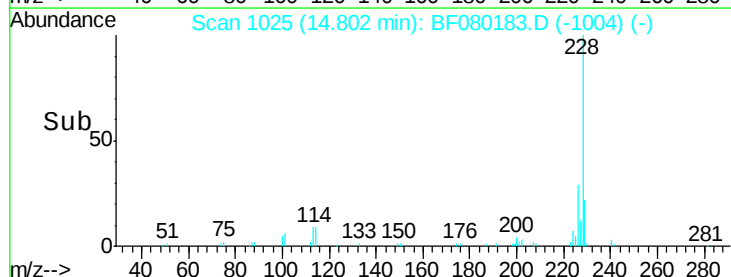
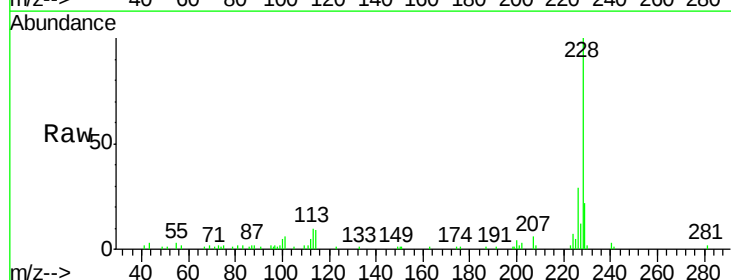
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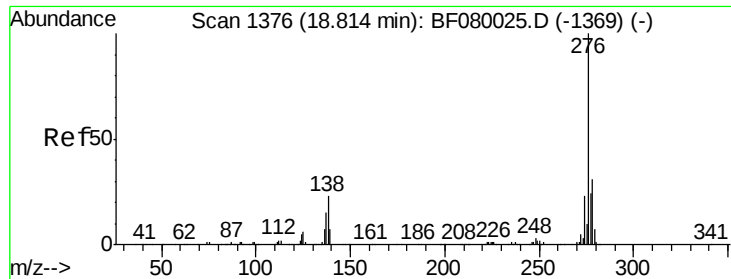
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#82
Chrysene
Concen: 4.24 ng
RT: 14.80 min Scan# 1025
Delta R.T. -0.06 min
Lab File: BF080183.D
Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.0	31.4
229	21.6	15.6	23.4





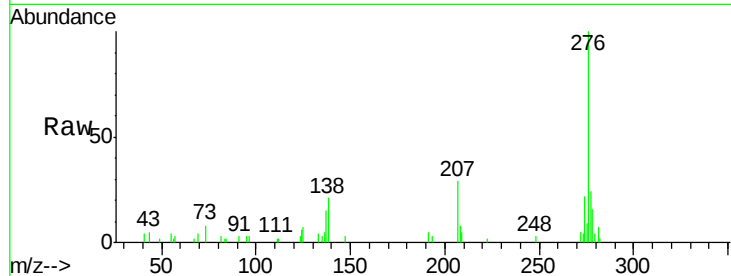
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.58 ng
 RT: 18.44 min Scan# 1343
 Delta R.T. -0.11 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.7	38.5#
277	22.9	15.6	23.4

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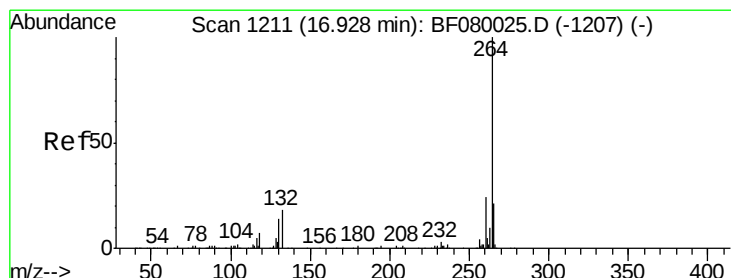
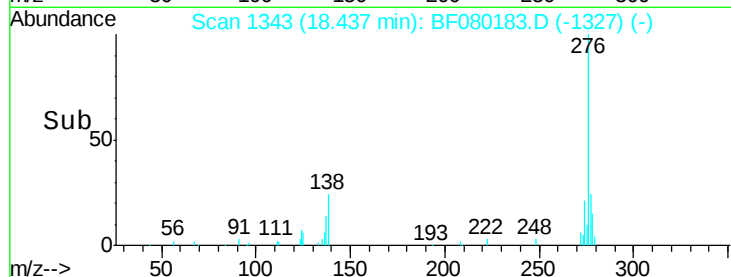
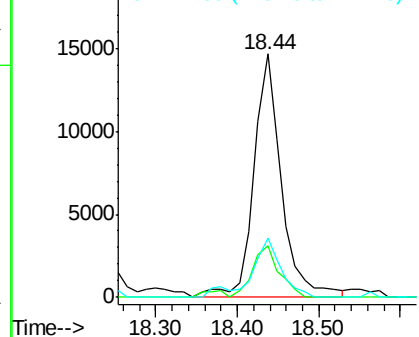


Abundance

Ion 276.00 (275.70 to 276.70): E

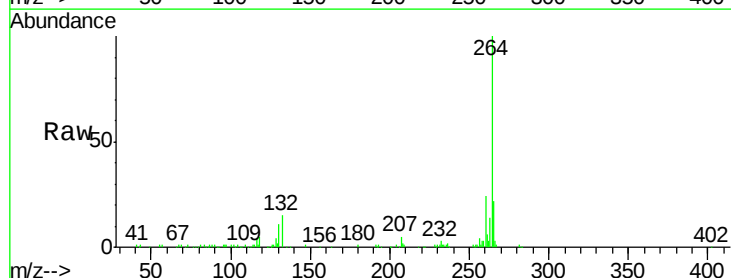
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.62 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF080183.D
 Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	16.7	25.1
265	22.2	17.2	25.8

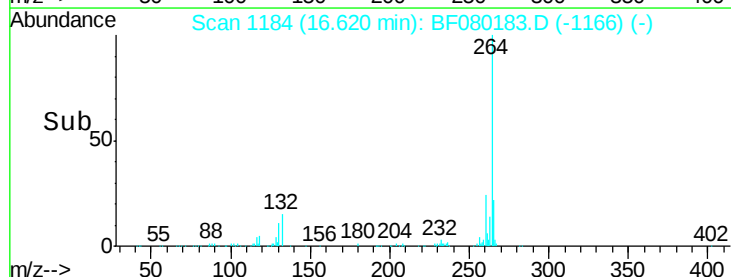
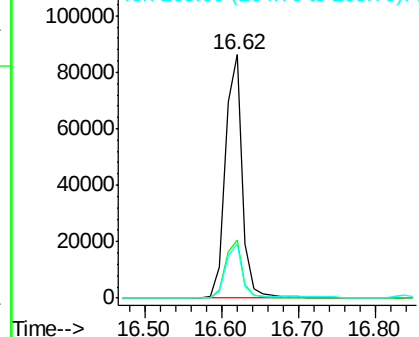


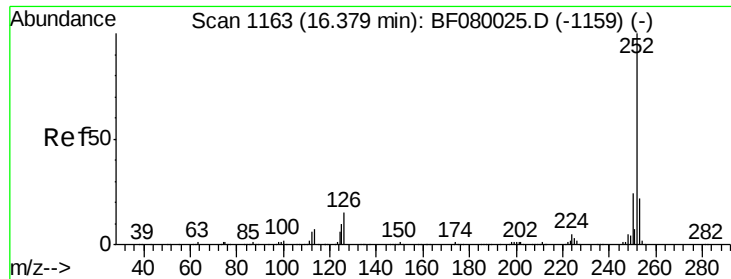
Abundance

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: 7.09 ng m

RT: 16.08 min Scan# 1137

Delta R.T. -0.09 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

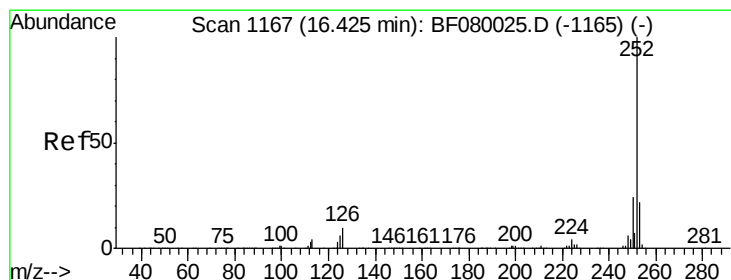
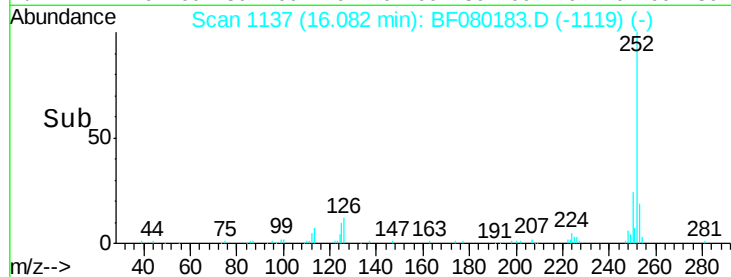
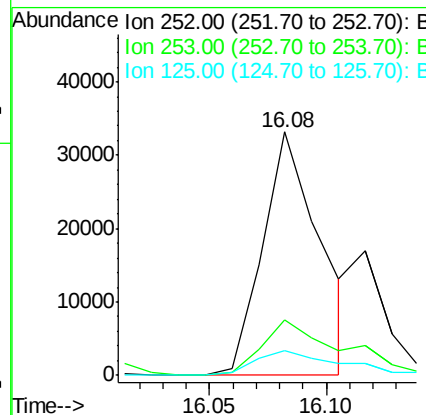
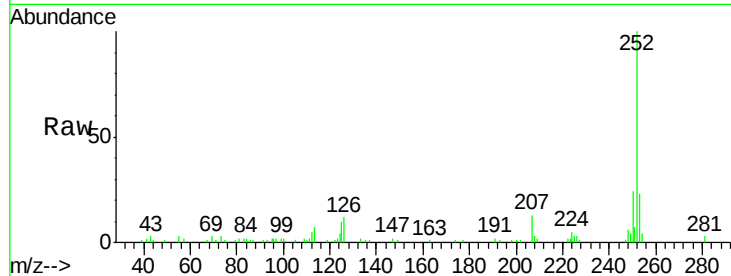
ClientSampleId :

LAR9819RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.1	17.1	25.7#

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#88

Benzo(k)fluoranthene

Concen: 2.09 ng m

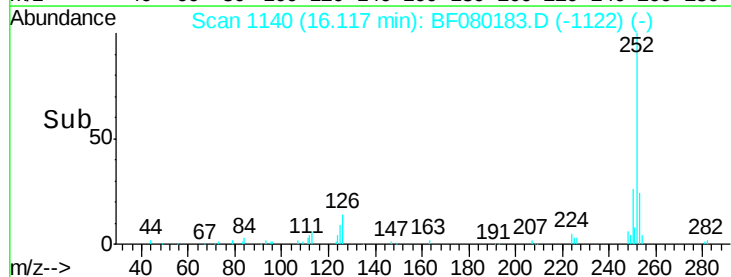
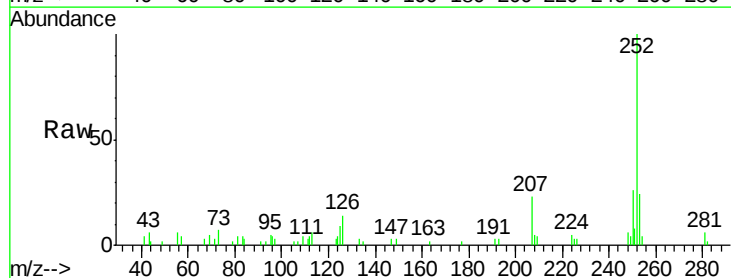
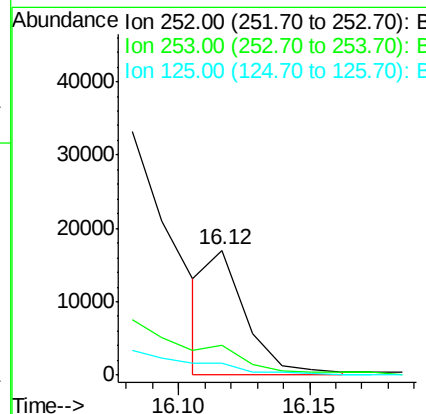
RT: 16.12 min Scan# 1140

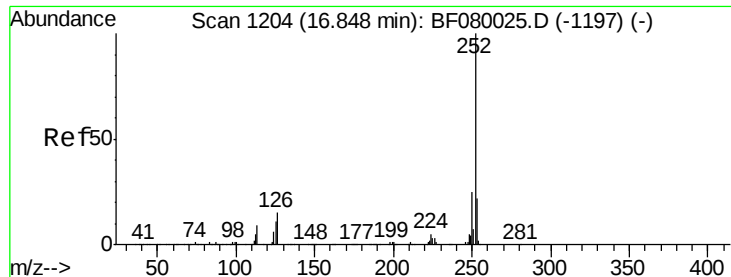
Delta R.T. -0.09 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	9.2	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 5.82 ng

RT: 16.54 min Scan# 1177

Delta R.T. -0.09 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Instrument :

BNA_F

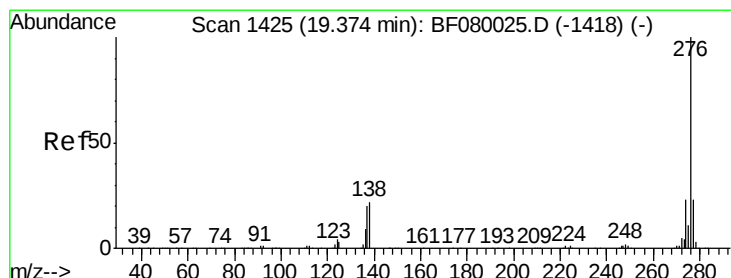
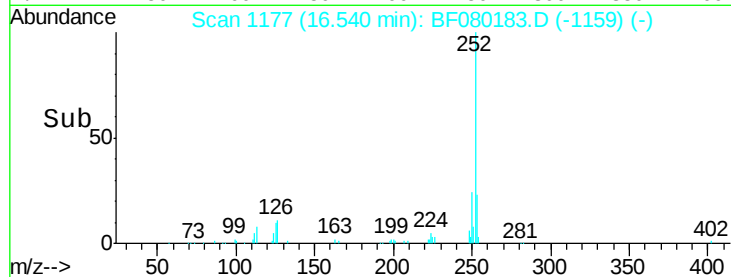
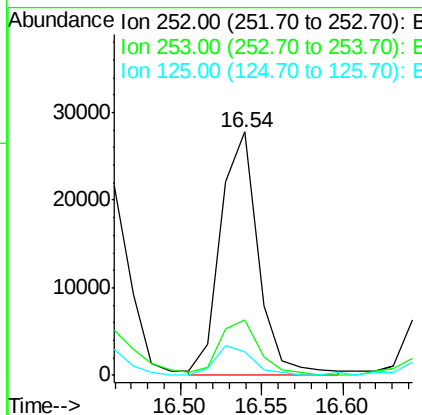
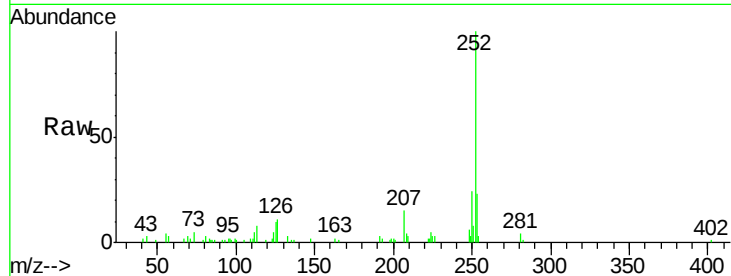
ClientSampleId :

LAR9819RE

Tgt Ion:	252	Resp:	44651
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.2	25.8
125	9.8	18.0	27.0#

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#91

Benzo(g,h,i)perylene

Concen: 4.35 ng

RT: 18.99 min Scan# 1391

Delta R.T. -0.13 min

Lab File: BF080183.D

Acq: 26 Jun 2015 00:55

Tgt Ion:	276	Resp:	34434
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.8	26.6
138	23.7	34.6	51.8#

