

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
 Data File : BF082825.D
 Acq On : 8 Nov 2015 6:29
 Operator : UM/IZ
 Sample : G4261-08RE
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-2RE

Manual Integrations
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 11/9/2015 2:08:46 PM

Quant Time: Nov 09 02:54:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	251042	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	867004	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	452966	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	687734	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	545609	20.00	ng	-0.01
86) Perylene-d12	15.44	264	496153	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1188637	73.67	ng	0.01
7) Phenol-d6	6.49	99	1548852	72.21	ng	0.01
23) Nitrobenzene-d5	7.41	82	1190000	59.72	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	363544	70.00	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1553050	49.14	ng	0.00
78) Terphenyl-d14	12.96	244	853751	37.11	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	491841	13.25	ng	98
70) Phenanthrene	11.39	178	580318	14.53	ng	97
71) Anthracene	11.45	178	114597	2.72	ng	99
74) Fluoranthene	12.58	202	922349	21.52	ng	97
77) Pyrene	12.81	202	714177	19.06	ng	97
80) Benzo(a)anthracene	14.00	228	277025	8.12	ng	99
82) Chrysene	14.03	228	420799	13.47	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	113795	5.02	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.83	276	184292	6.85	ng	95
87) Benzo(b)fluoranthene	15.04	252	444884m	13.97	ng	
88) Benzo(k)fluoranthene	15.04	252	230142m	8.15	ng	
89) Benzo(a)pyrene	15.38	252	271972	9.86	ng	95
91) Benzo(a,h,i)perylene	17.24	276	179885	8.04	ng	# 95

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

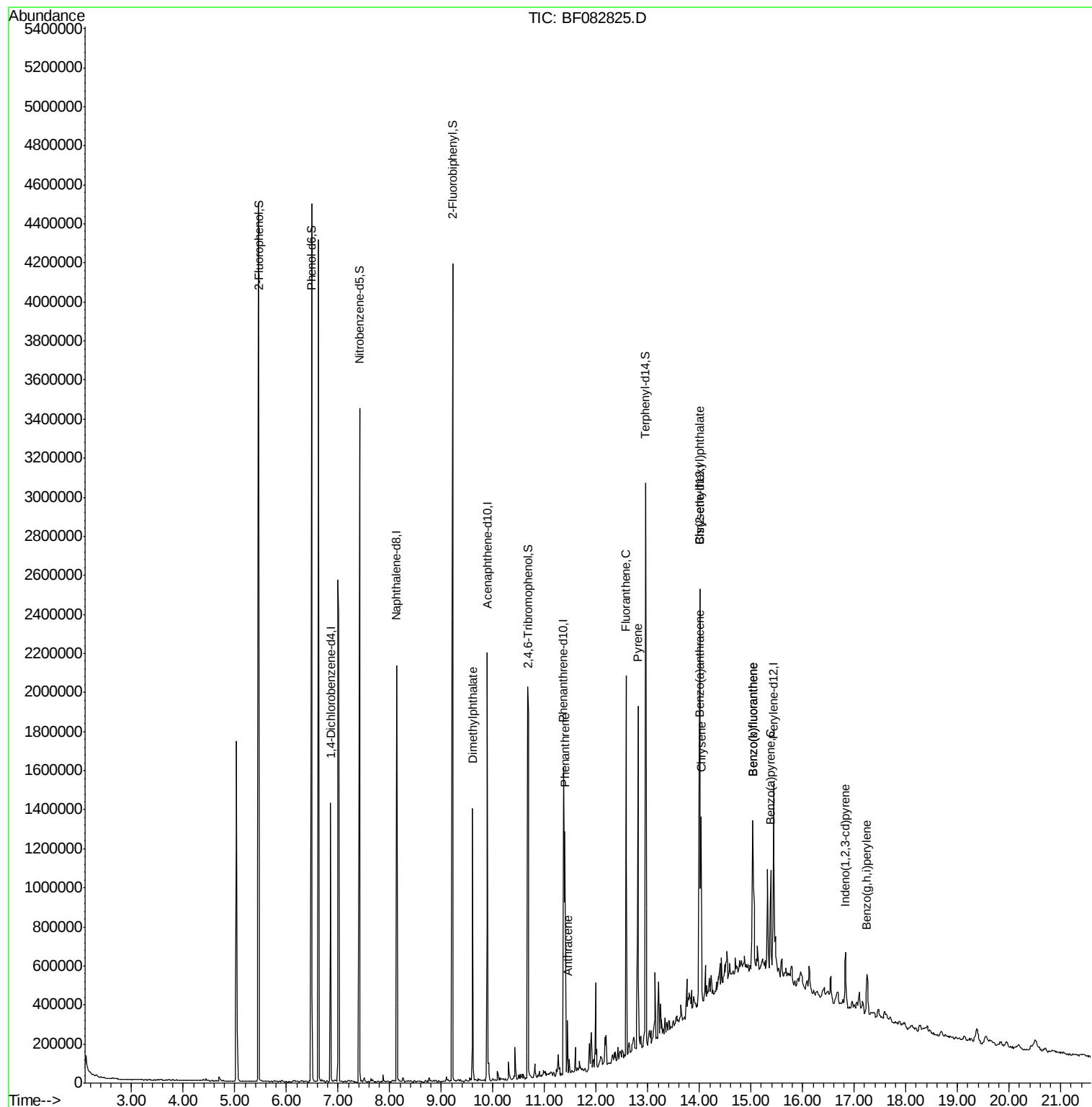
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
Data File : BF082825.D
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ALS Vial : 61 Sample Multiplier: 1

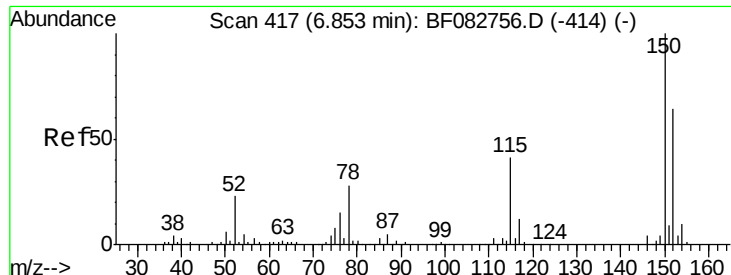
Instrument :
BNA_F
ClientSampleId :
DW-2RE

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#1

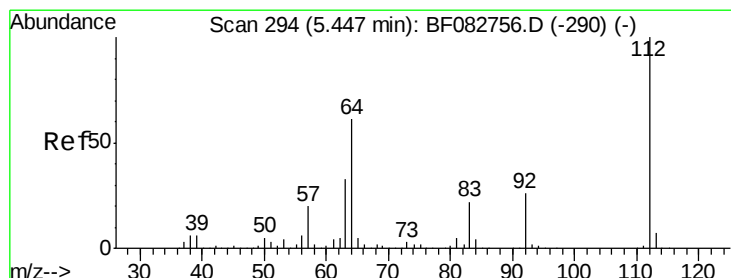
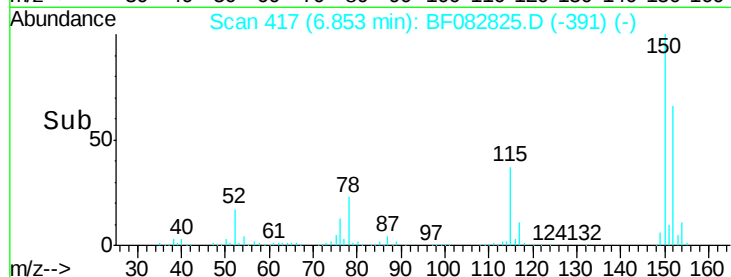
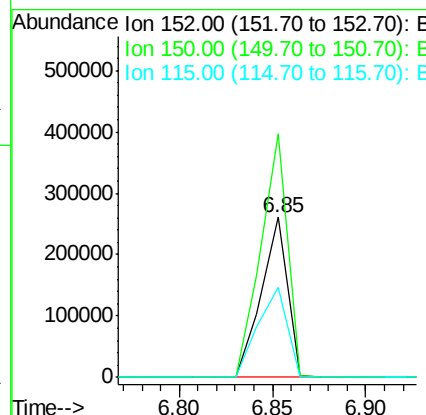
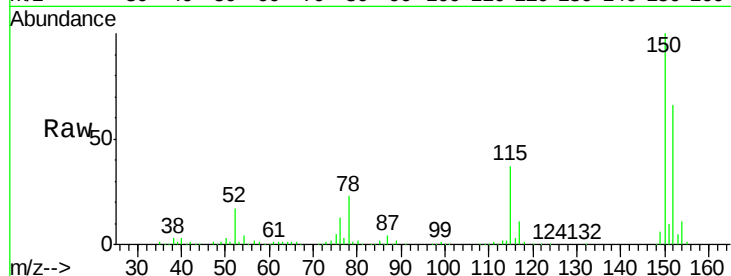
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Instrument :
BNA_F
ClientSampleId :
DW-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.0	190.4
115	56.4	47.0	70.6

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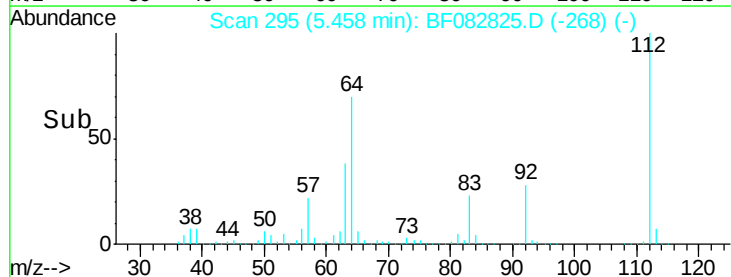
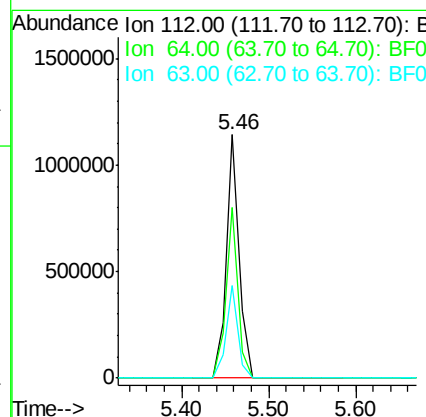
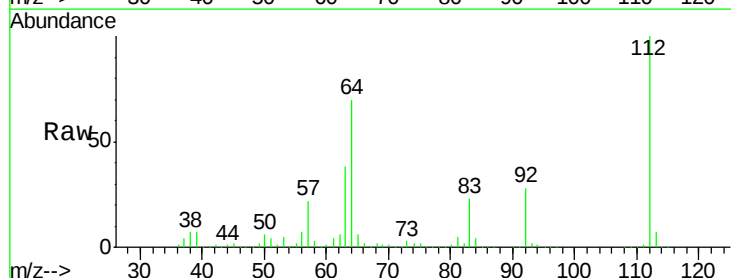
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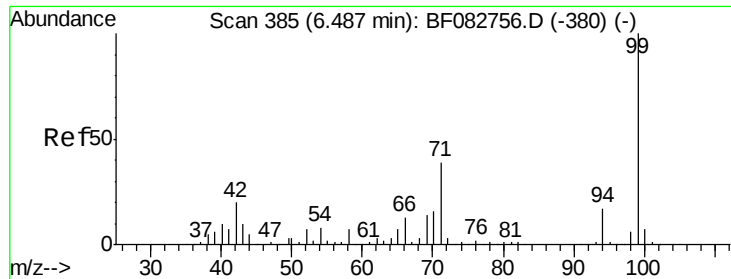


#5

2-Fluorophenol
Concen: 73.67 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	48.9	73.3
63	38.1	28.1	42.1





#7

Phenol-d6

Concen: 72.21 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

Tot Ion: 99 Resp: 1548852

Ion Ratio Lower Upper

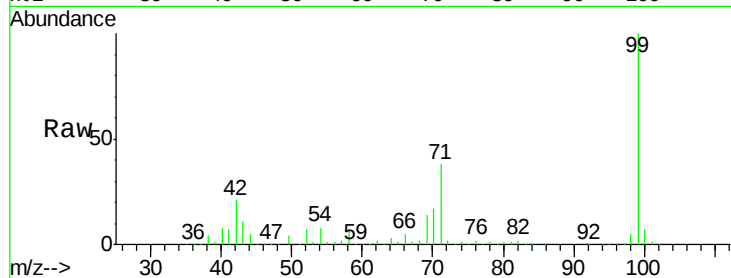
99 100

42 21.2 19.2 28.8

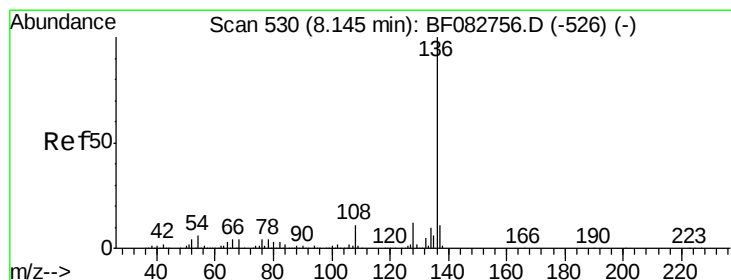
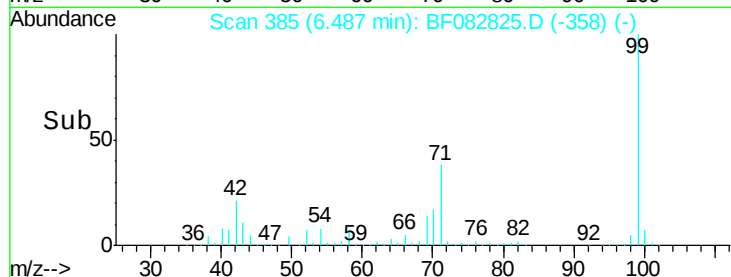
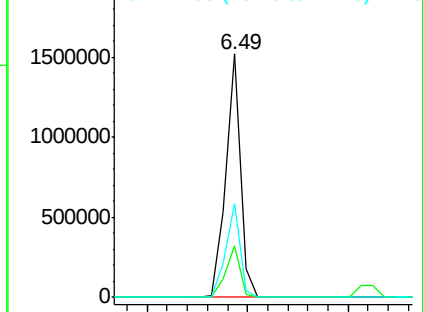
71 38.5 35.0 52.4

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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: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Tgt Ion: 136 Resp: 867004

Ion Ratio Lower Upper

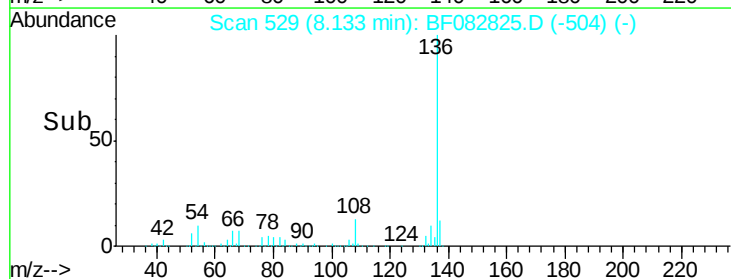
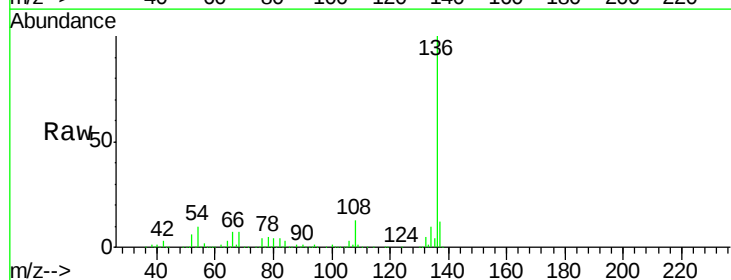
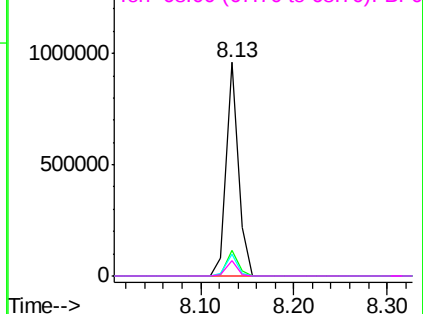
136 100

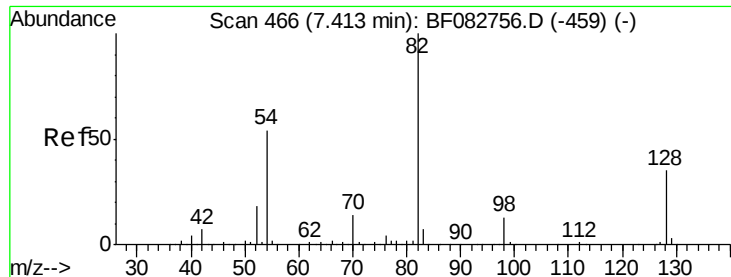
137 11.9 9.1 13.7

54 10.4 9.1 13.7

68 7.0 4.8 7.2

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





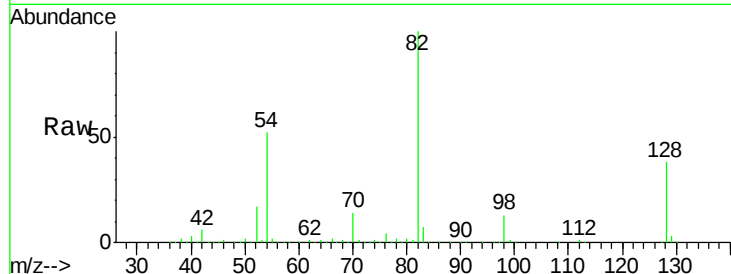
#23
 Nitrobenzene-d5
 Concen: 59.72 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Instrument :
 BNA_F
 ClientSampleId :
 DW-2RE

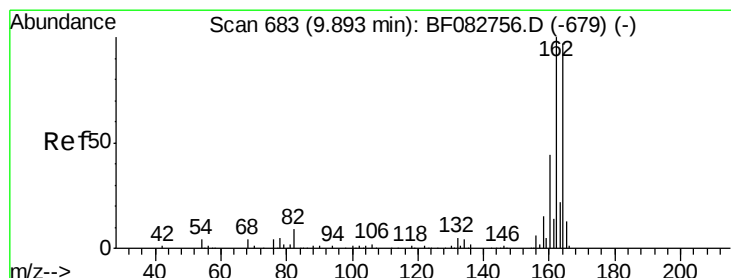
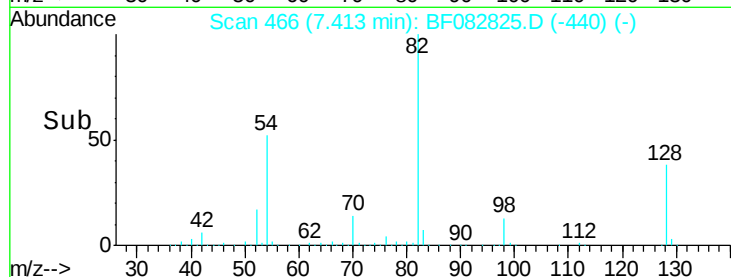
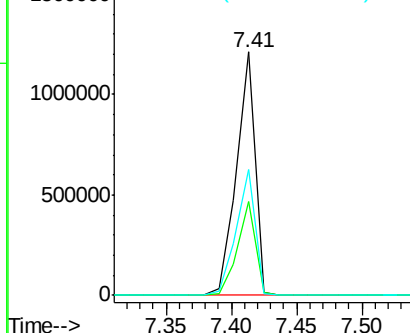
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	26.8	40.2
54	51.5	45.7	68.5

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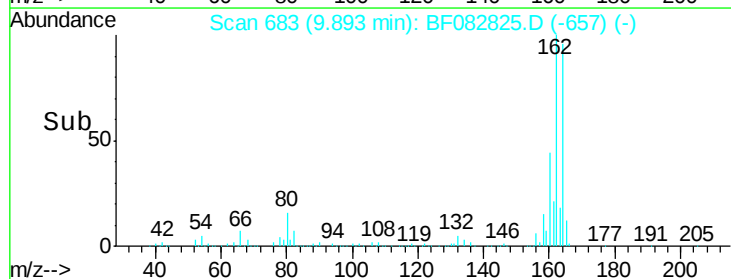
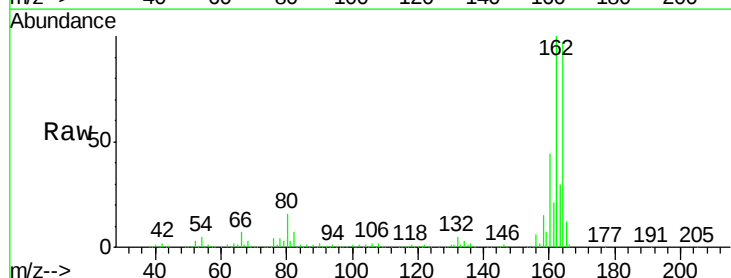
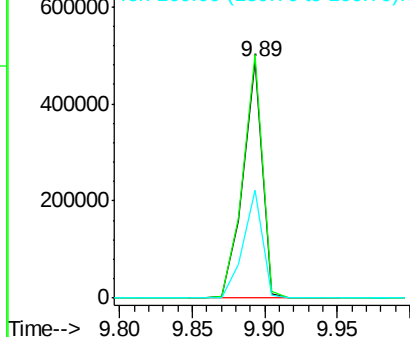
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

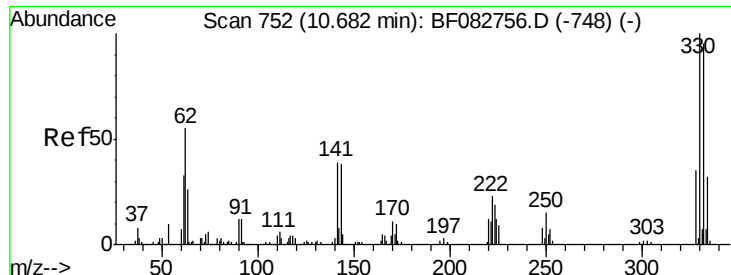


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	84.9	127.3
160	45.3	37.5	56.3

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





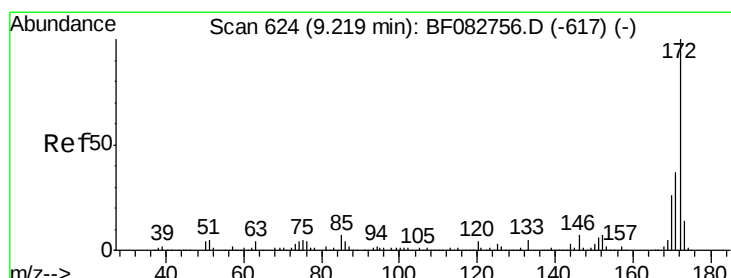
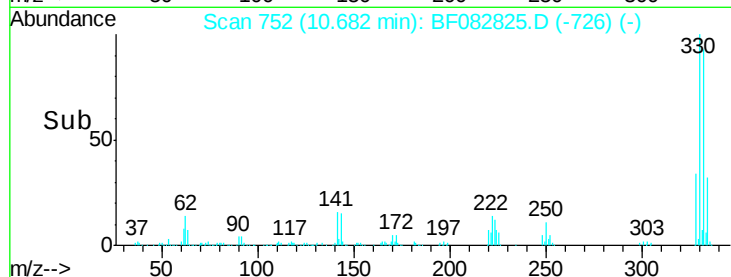
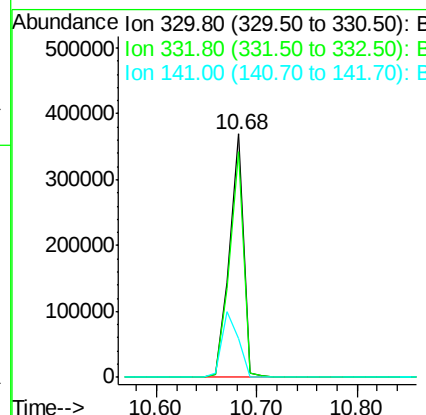
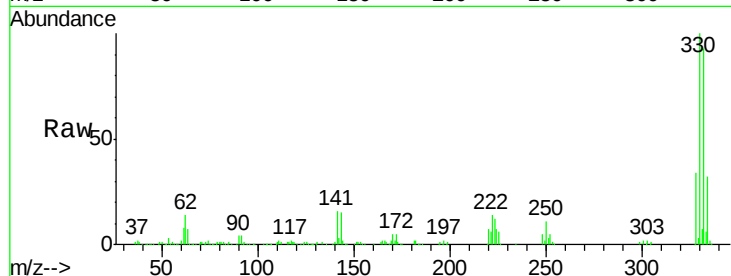
#41
 2,4,6-Tribromophenol
 Concen: 70.00 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Instrument :
 BNA_F
 ClientSampleID :
 DW-2RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.2	76.6	114.8	
141	32.0	41.2	61.8	

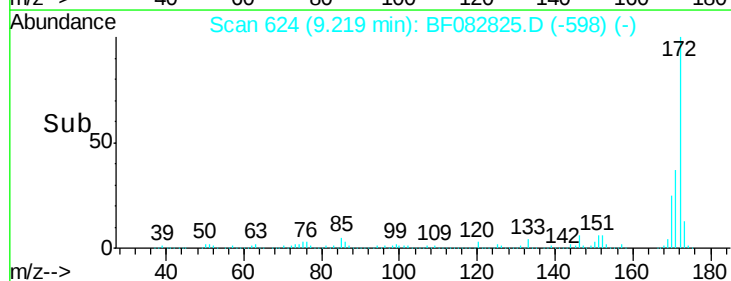
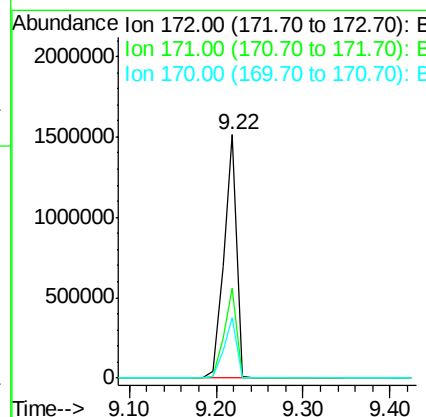
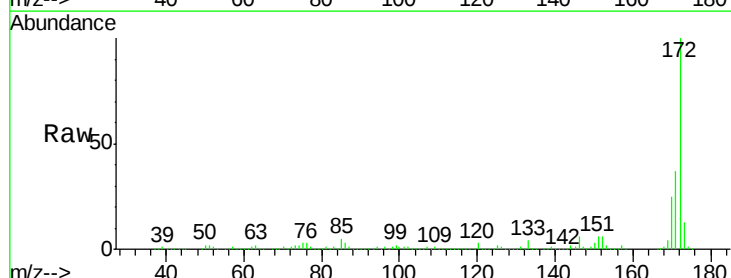
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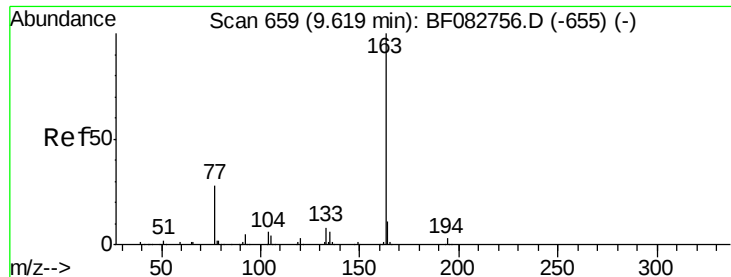
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#44
 2-Fluorobiphenyl
 Concen: 49.14 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.9	30.8	46.2	
170	25.1	21.2	31.8	





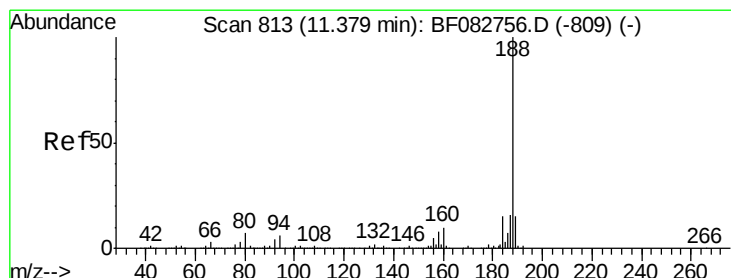
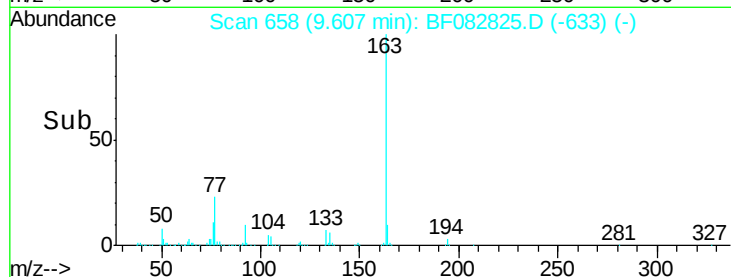
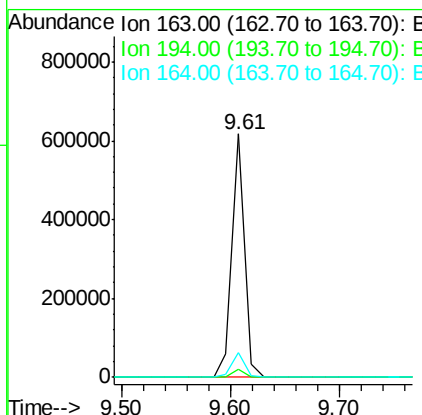
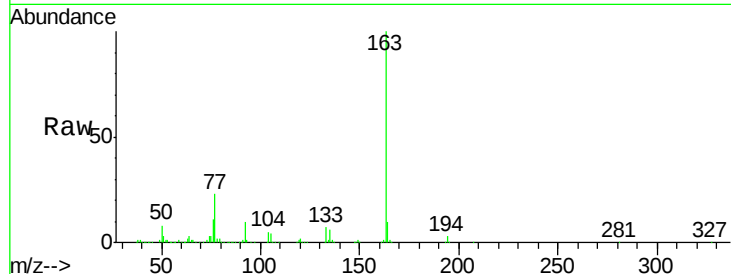
#49
Dimethylphthalate
Concen: 13.25 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Instrument :
BNA_F
ClientSampleId :
DW-2RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	491841		
194	3.5	2.6	4.0	
164	10.2	8.7	13.1	

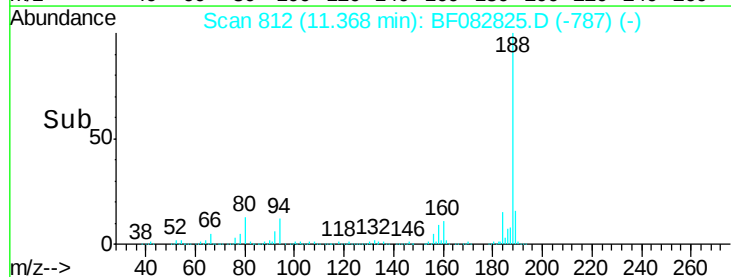
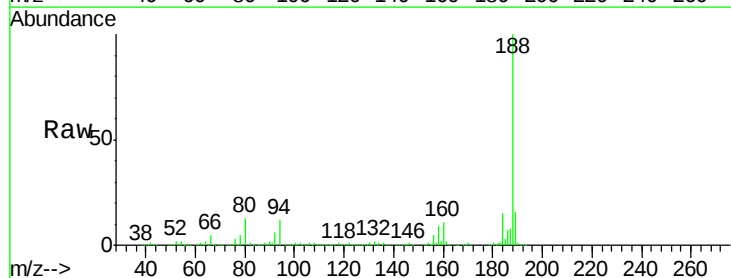
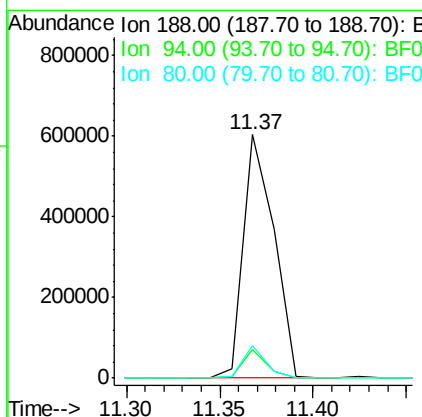
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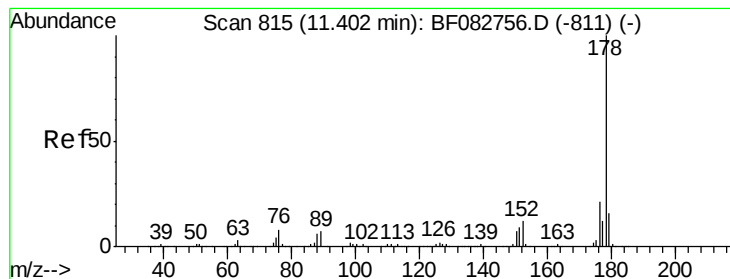
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	687734		
94	11.7	6.1	9.1#	
80	13.4	7.0	10.6#	





#70

Phenanthrene

Concen: 14.53 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

Tot Ion:178 Resp: 580318

Ion Ratio Lower Upper

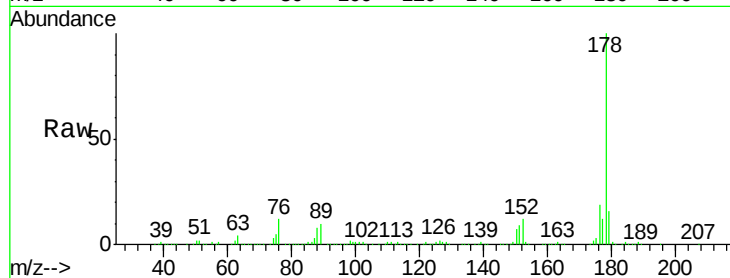
178 100

176 19.5 17.0 25.4

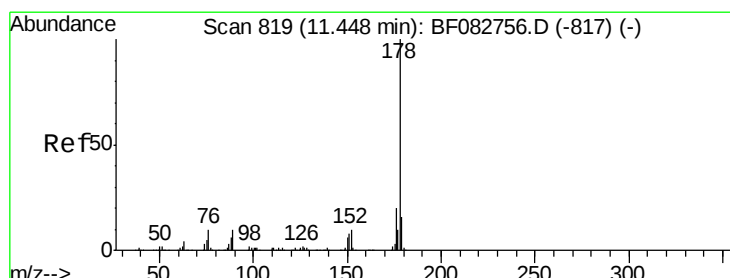
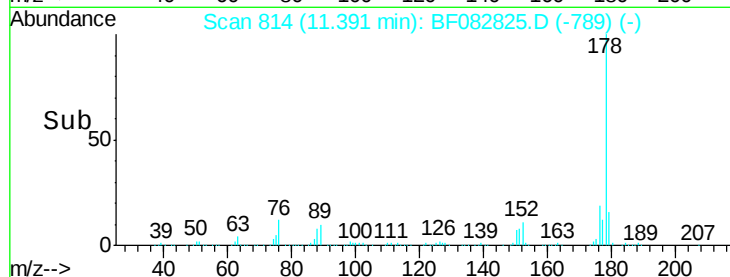
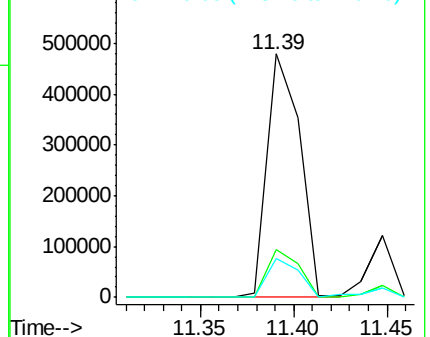
179 15.8 13.4 20.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.72 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

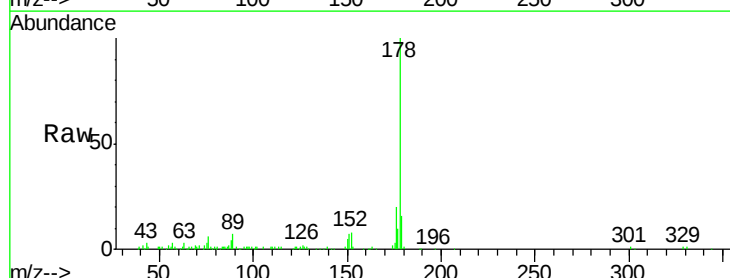
Tgt Ion:178 Resp: 114597

Ion Ratio Lower Upper

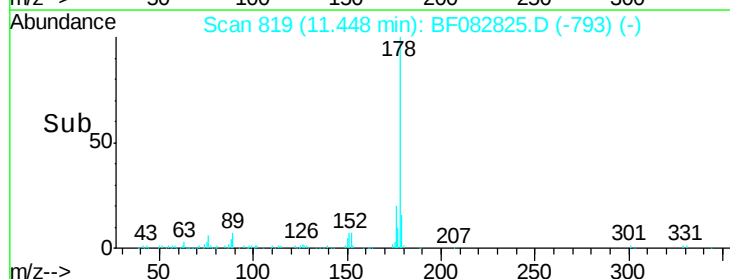
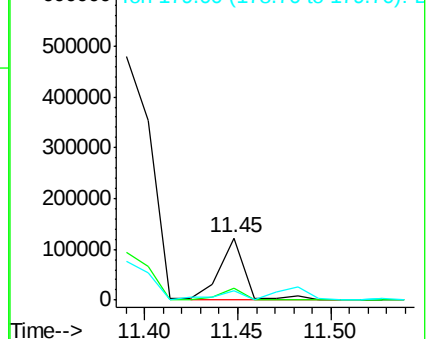
178 100

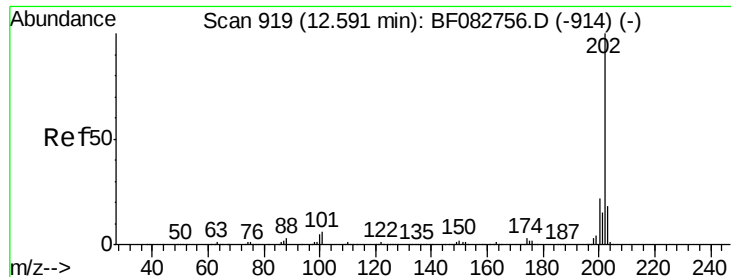
176 20.2 16.5 24.7

179 15.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.52 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

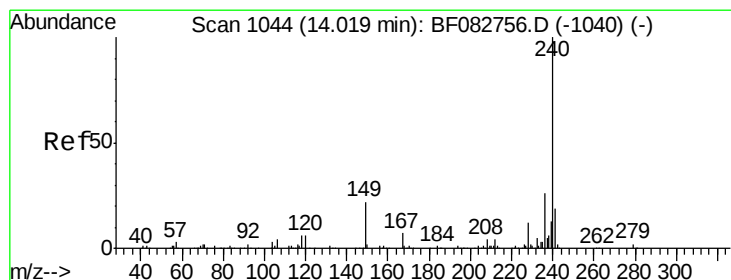
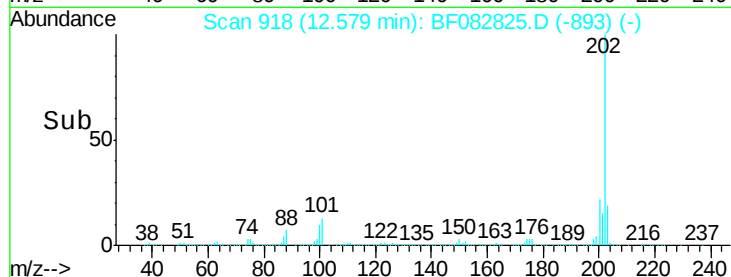
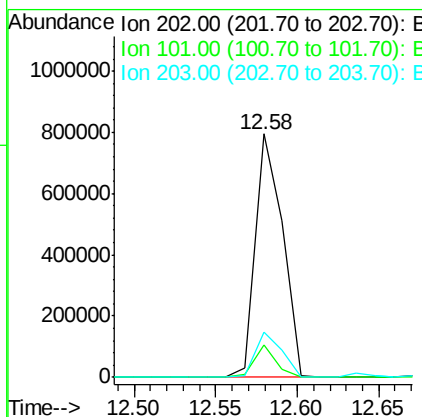
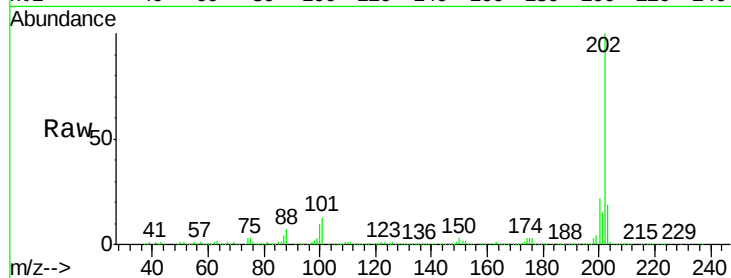
ClientSampleId :

DW-2RE

Tot Ion:	202	Resp:	922349
Ion Ratio		Lower	Upper
202	100		
101	13.2	0.0	30.5
203	18.7	0.0	38.5

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

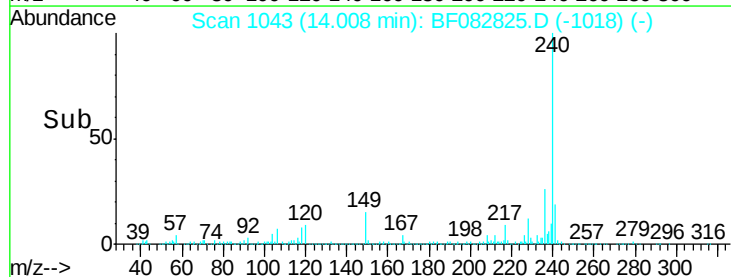
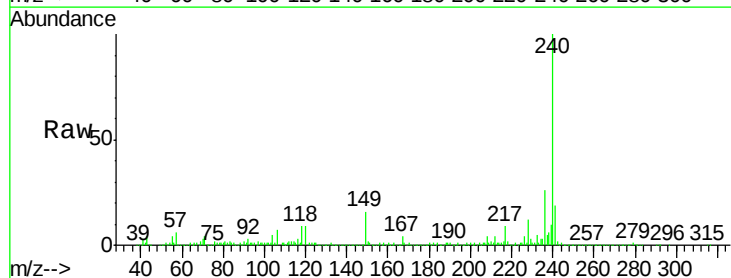
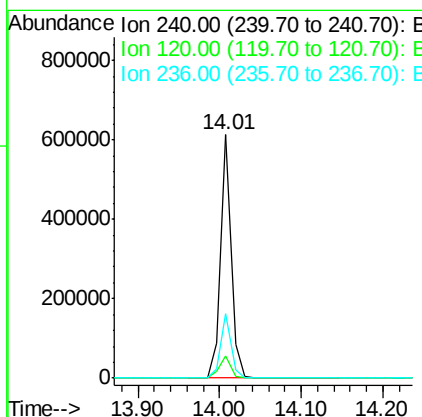
RT: 14.01 min Scan# 1043

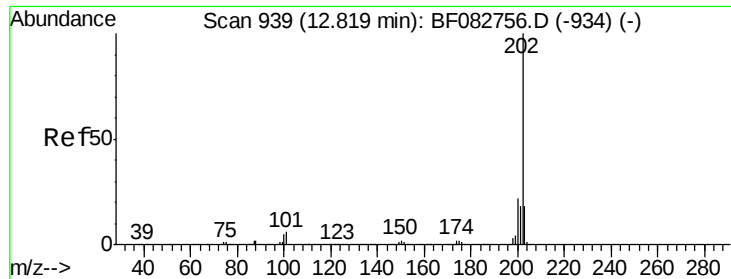
Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Tgt Ion:	240	Resp:	545609
Ion Ratio		Lower	Upper
240	100		
120	9.4	10.9	16.3#
236	26.4	21.6	32.4





#77

Pvrene

Concen: 19.06 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

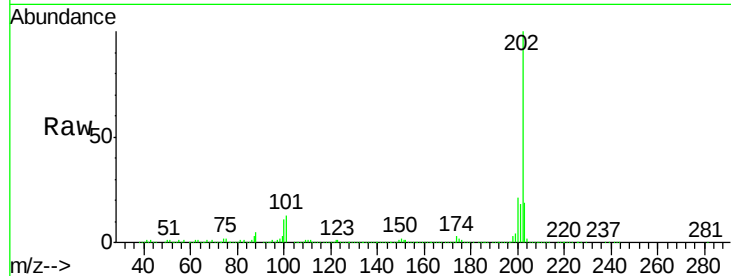
ClientSampleId :

DW-2RE

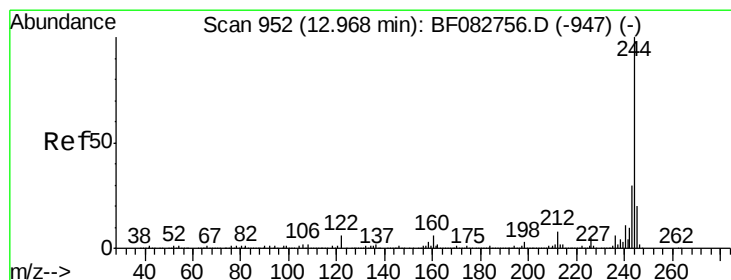
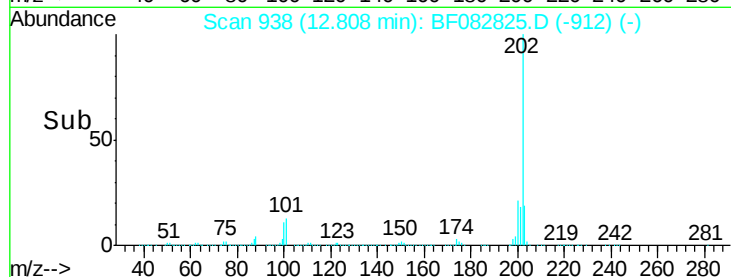
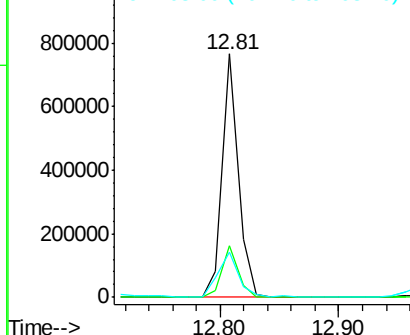
Tot Ion:	202	Resp:	714177
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.7	28.1
203	18.8	14.8	22.2

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 37.11 ng

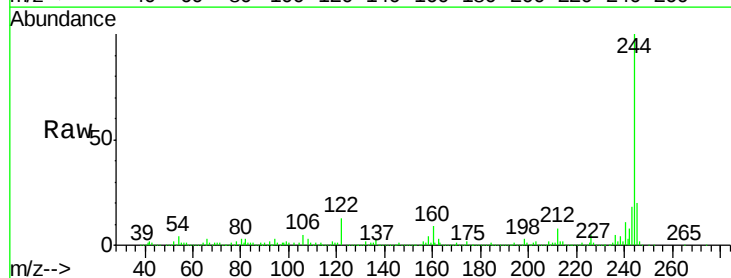
RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

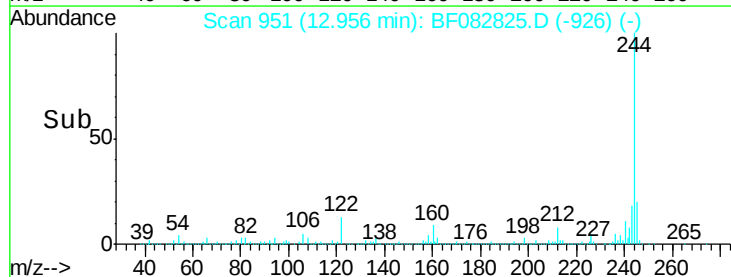
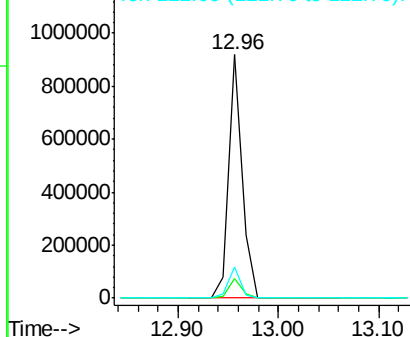
Lab File: BF082825.D

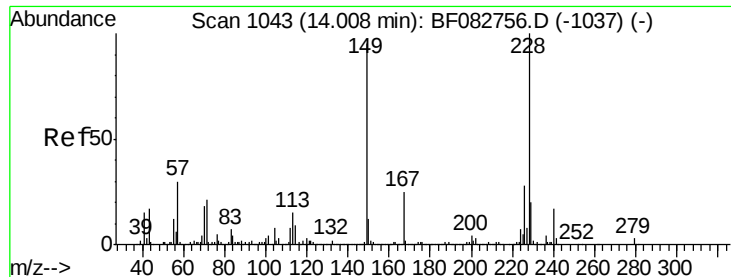
Acq: 8 Nov 2015 6:29

Tgt Ion:	244	Resp:	853751
Ion Ratio	Lower	Upper	
244	100		
212	8.2	7.6	11.4
122	12.6	11.3	16.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.12 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

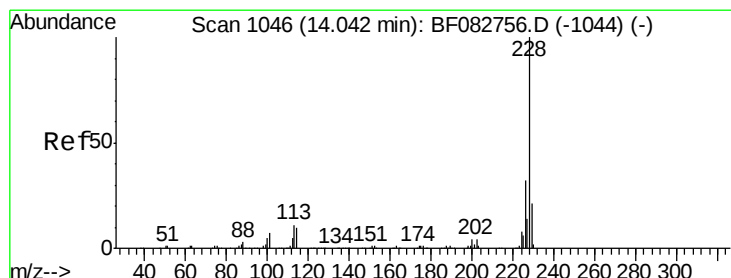
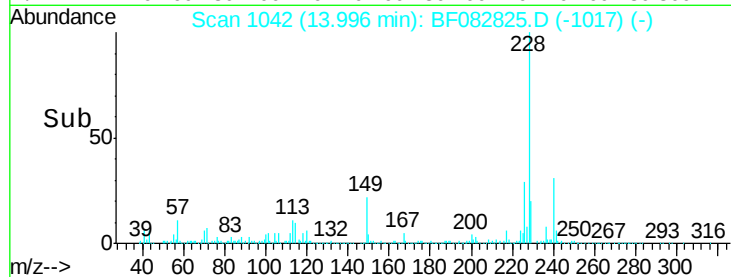
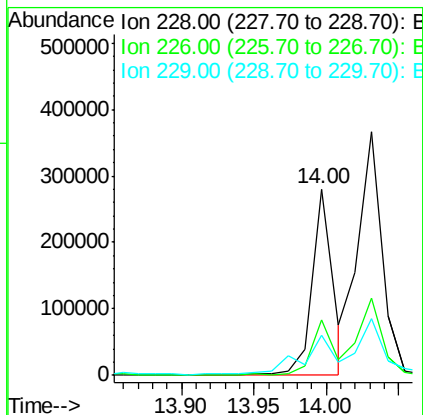
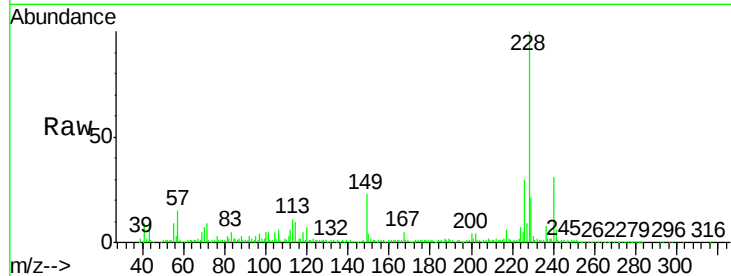
ClientSampleId :

DW-2RE

Tot Ion:	228	Resp:	277025
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.4	35.2
229	21.5	16.3	24.5

Manual Integrations
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#82

Chrysene

Concen: 13.47 ng

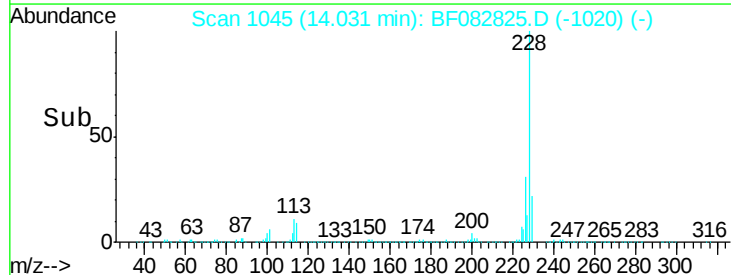
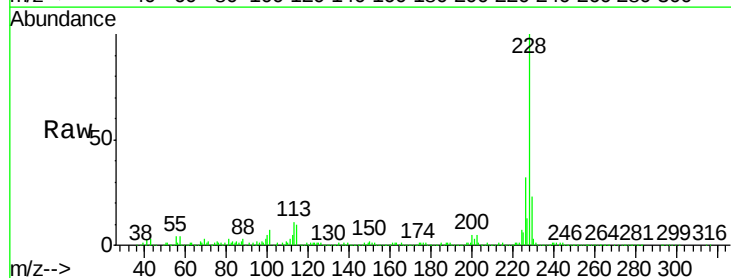
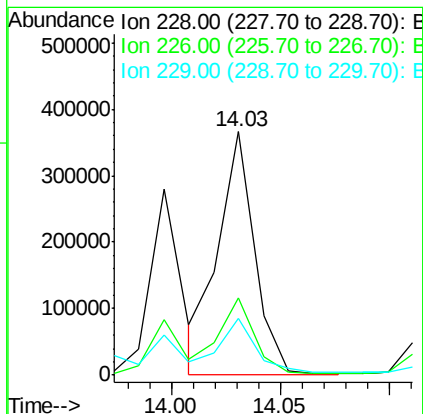
RT: 14.03 min Scan# 1045

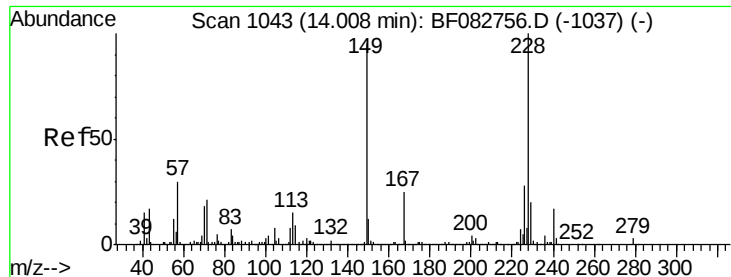
Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Tgt Ion:	228	Resp:	420799
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.5	38.3
229	23.3	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.02 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

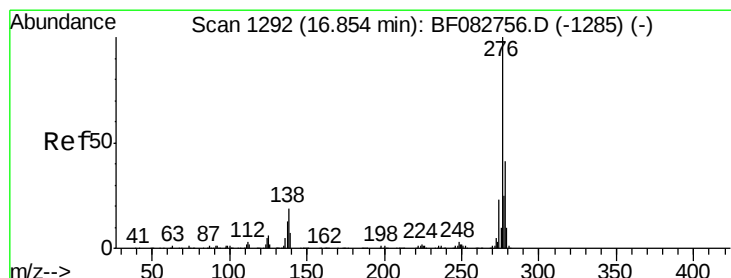
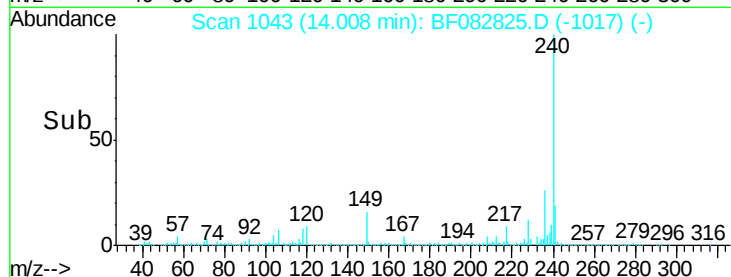
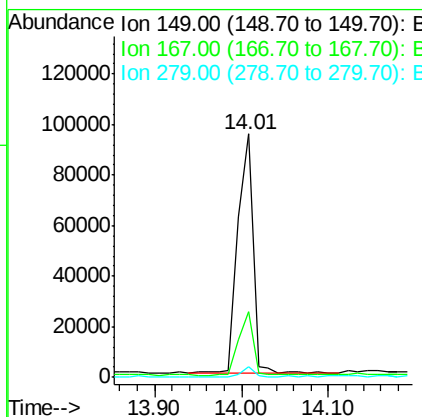
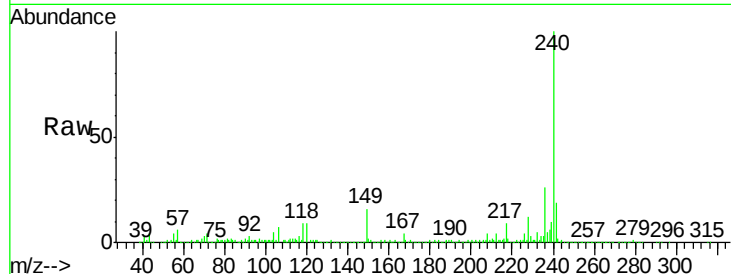
ClientSampleId :

DW-2RE

Tot Ion:	149	Resp:	113795
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.2	31.8
279	4.6	2.2	3.2#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.85 ng

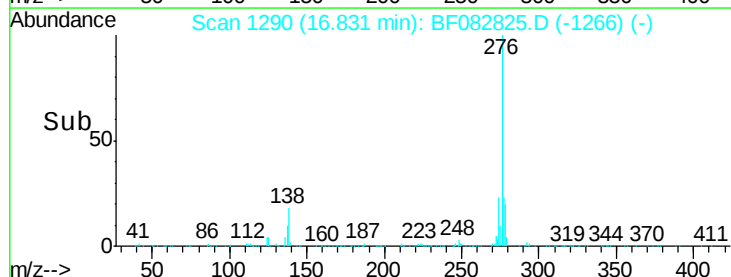
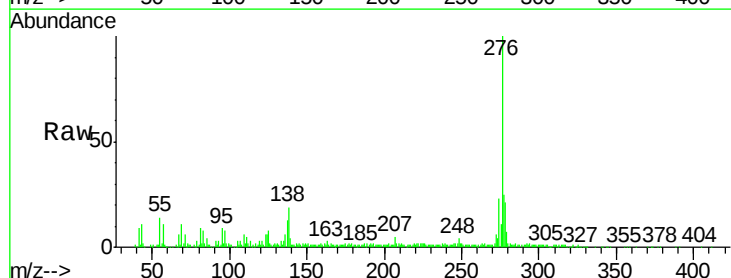
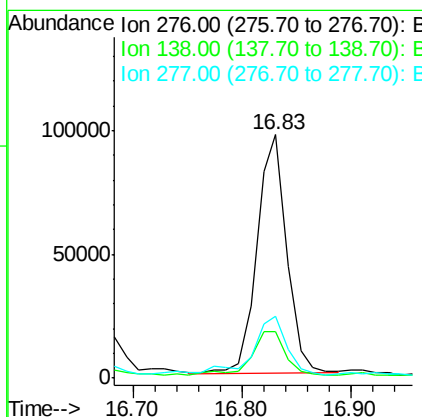
RT: 16.83 min Scan# 1290

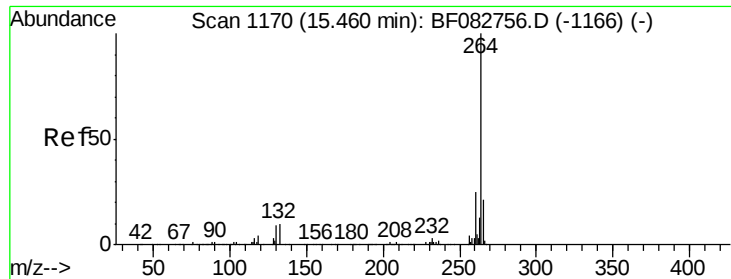
Delta R.T. -0.02 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Tgt Ion:	276	Resp:	184292
Ion Ratio	Lower	Upper	
276	100		
138	20.4	15.3	22.9
277	29.0	20.2	30.4





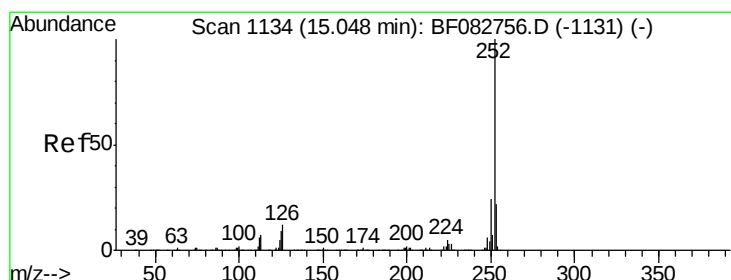
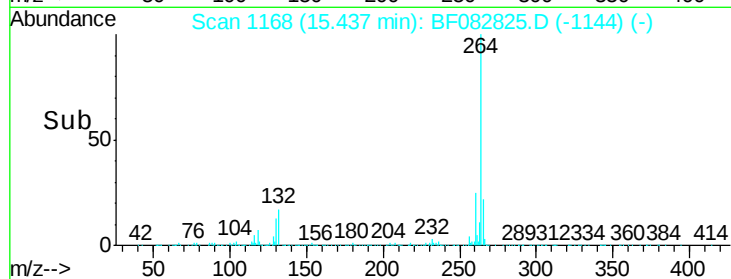
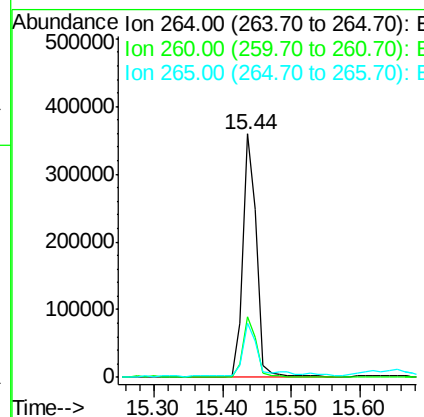
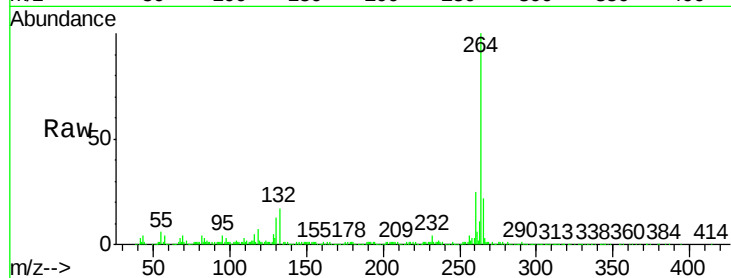
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Instrument :
BNA_F
ClientSampleId :
DW-2RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	22.4	17.4	26.0

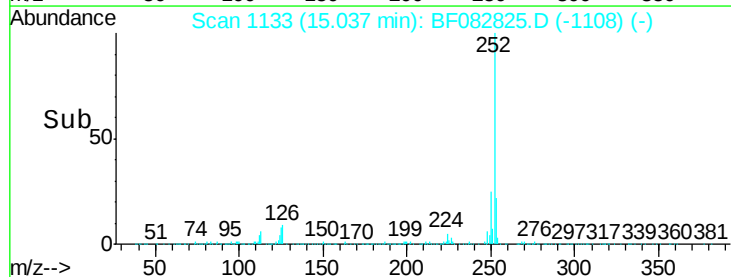
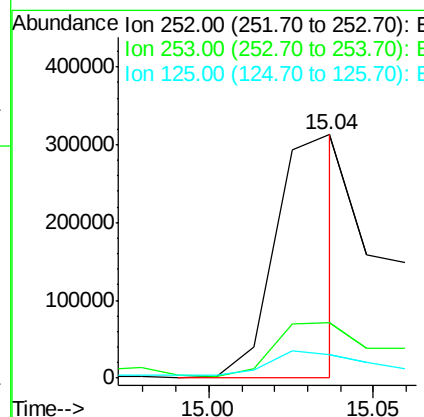
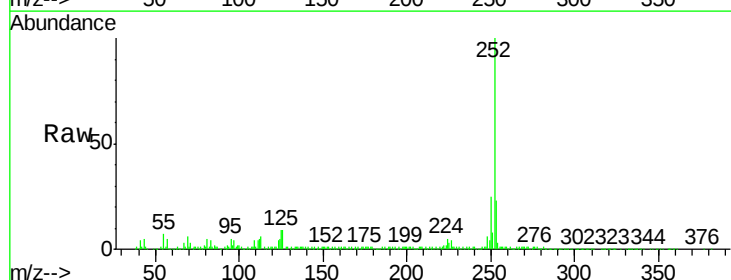
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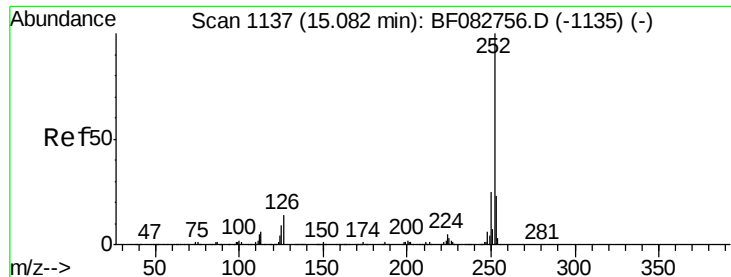
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#87
Benzo(b)fluoranthene
Concen: 13.97 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	9.5	5.4	8.2#





#88

Benzo(k)fluoranthene

Concen: 8.15 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.05 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

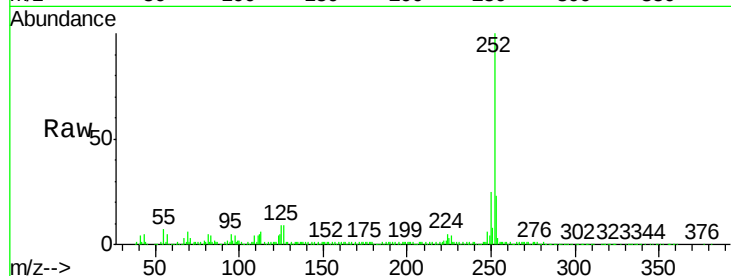
ClientSampleId :

DW-2RE

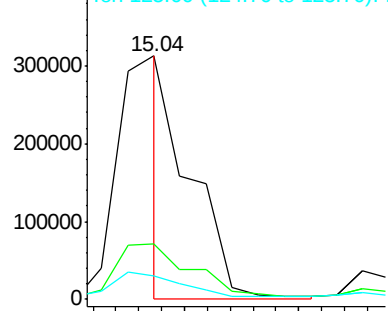
Tot Ion:	252	Resp:	230142
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	9.5	3.5	5.3#

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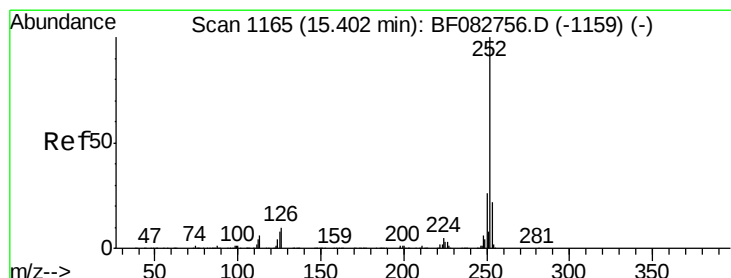
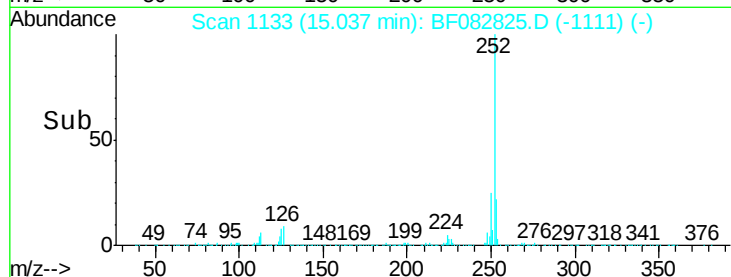
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 9.86 ng

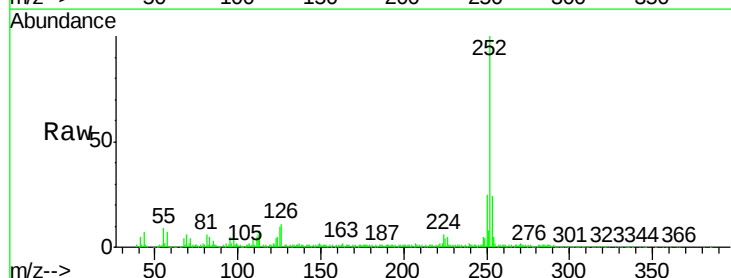
RT: 15.38 min Scan# 1163

Delta R.T. -0.02 min

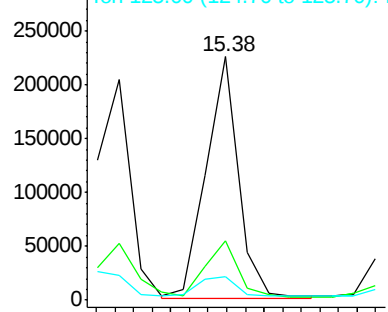
Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

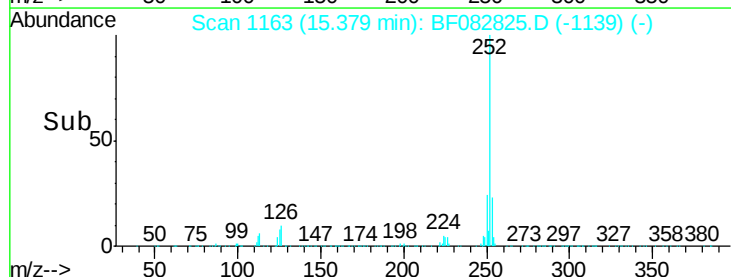
Tgt Ion:	252	Resp:	271972
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	9.5	7.1	10.7

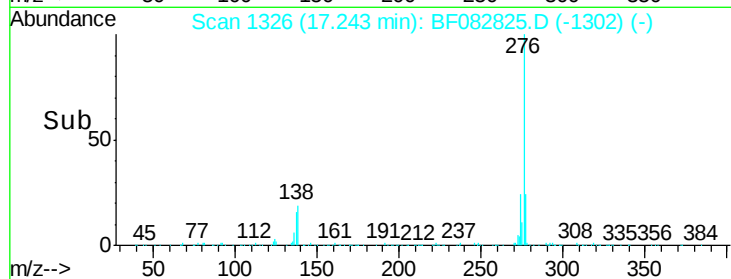
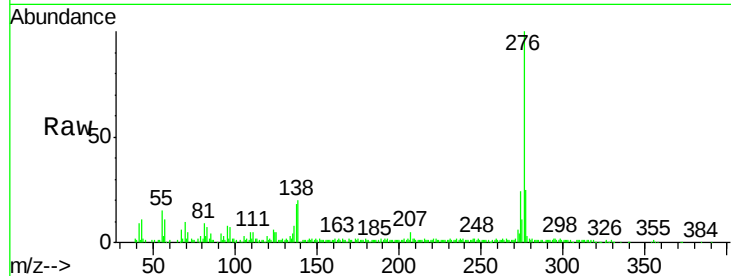
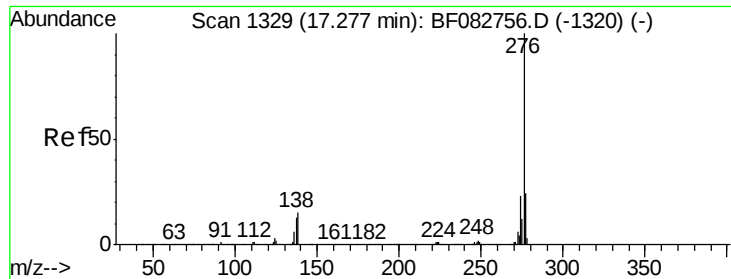


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91

Benzo(a,h,i)perylene

Concen: 8.04 ng

RT: 17.24 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

Tot Ion	Ratio	Resp	Lower	Upper
276	100	179885		
277	25.2		19.2	28.8
138	20.1		13.1	19.7

Manual Integrations
APPROVED

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