

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
 Data File : BF081795.D
 Acq On : 25 Sep 2015 8:39
 Operator : UM/IZ
 Sample : G3753-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Manual Integrations
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 9/25/2015 3:36:55 PM

Quant Time: Sep 25 13:28:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	146203	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	591114	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	254026	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	413238	20.00	ng	0.00
75) Chrysene-d12	14.12	240	322570	20.00	ng	0.00
86) Perylene-d12	15.59	264	309950	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	936490	108.36	ng	0.01
7) Phenol-d6	6.57	99	1113420	101.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	820824	91.62	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	263727	119.58	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1262565	81.59	ng	0.00
78) Terphenyl-d14	13.06	244	985888	69.82	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	375781	19.44	ng	# 97
70) Phenanthrene	11.50	178	187361	7.93	ng	98
71) Anthracene	11.55	178	47769	2.10	ng	98
74) Fluoranthene	12.69	202	380873	16.00	ng	93
77) Pyrene	12.91	202	358157	14.73	ng	96
80) Benzo(a)anthracene	14.10	228	241545	12.35	ng	# 91
82) Chrysene	14.14	228	171067	9.12	ng	92
83) Bis(2-ethylhexyl)phthalate	14.09	149	33407	2.84	ng	94
85) Indeno(1,2,3-cd)pyrene	17.05	276	106498	6.20	ng	# 82
87) Benzo(b)fluoranthene	15.16	252	240905m	13.11	ng	
88) Benzo(k)fluoranthene	15.17	252	113833m	6.43	ng	
89) Benzo(a)pyrene	15.52	252	184382	11.11	ng	# 88
91) Benzo(g,h,i)perylene	17.50	276	100977	5.66	ng	# 78

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

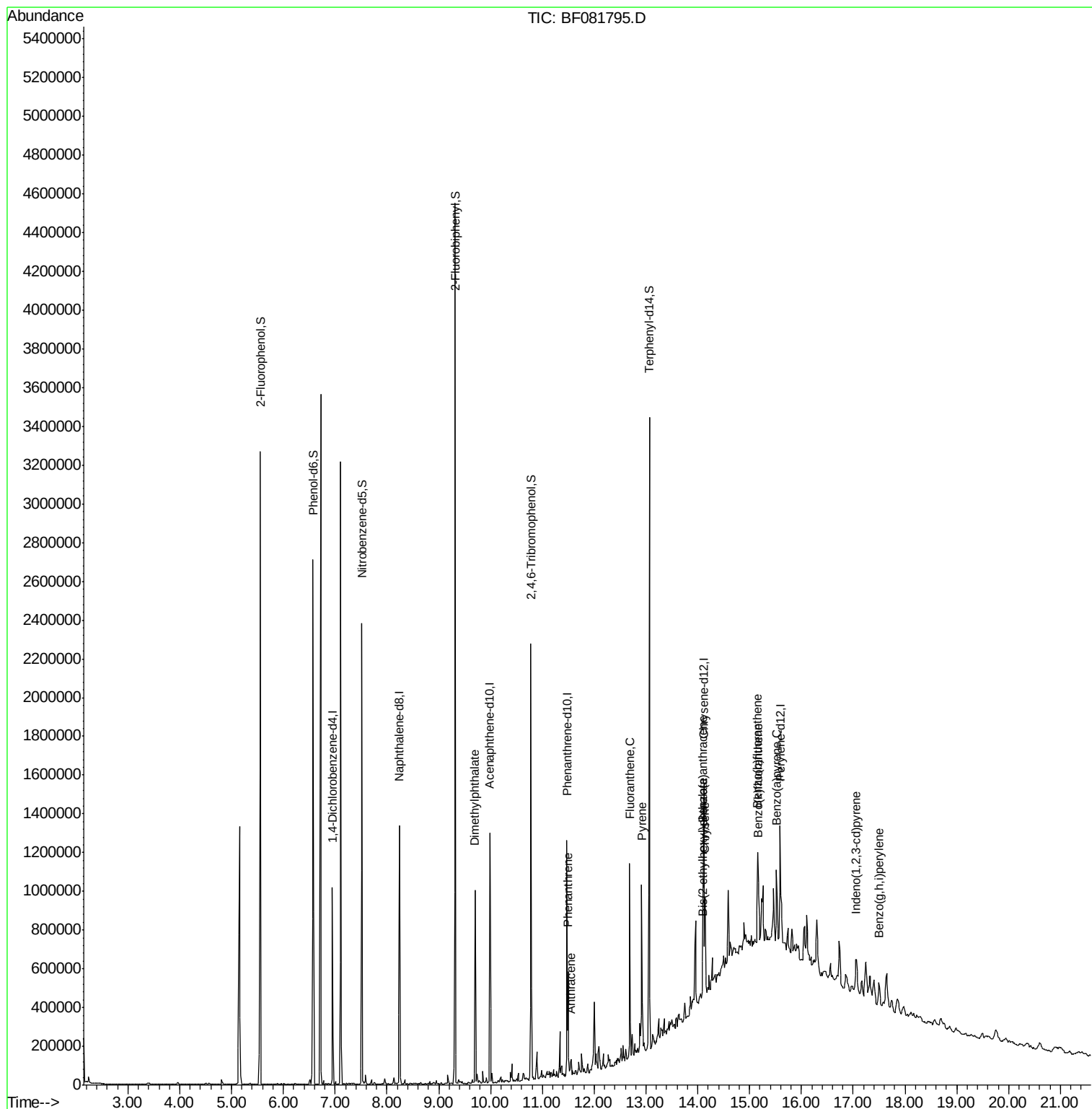
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081795.D
Acq On : 25 Sep 2015 8:39
Operator : UM/IZ
Sample : G3753-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

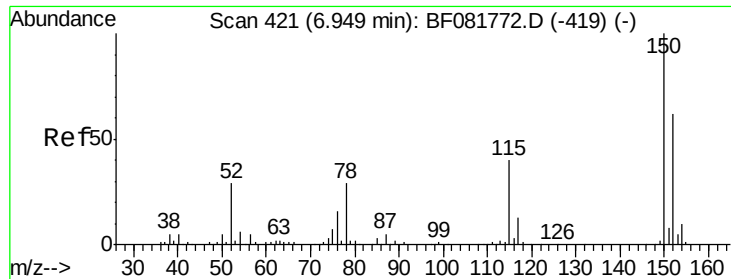
Instrument :
BNA_F
ClientSampleId :
SP-2

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 25 06:02:49 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

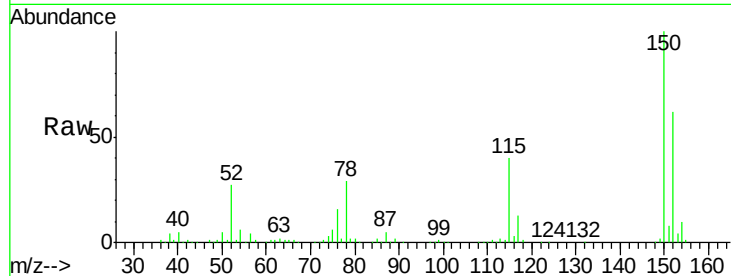
ClientSampleId :

SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	146203		
150	161.3	124.7	187.1	
115	64.6	39.0	58.4#	

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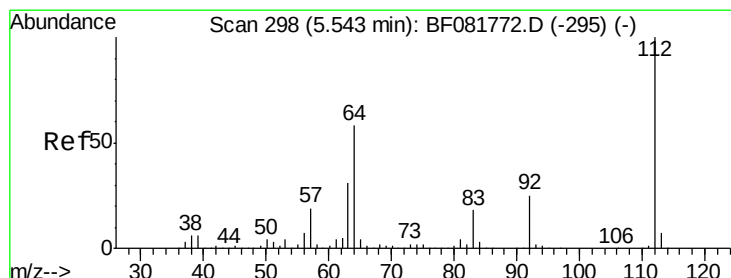
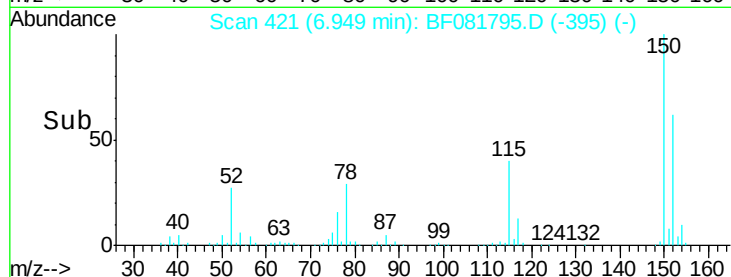
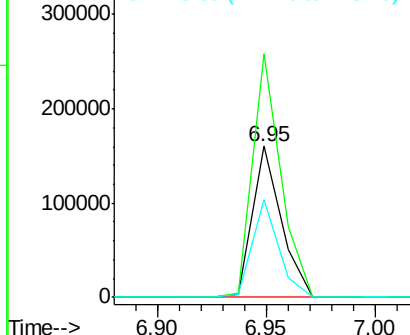
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 108.36 ng

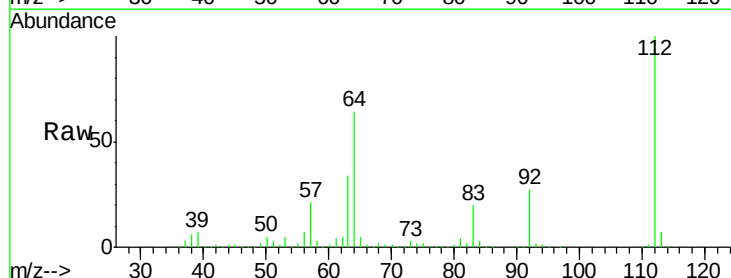
RT: 5.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

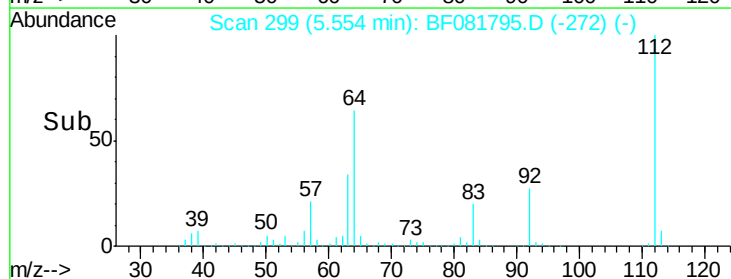
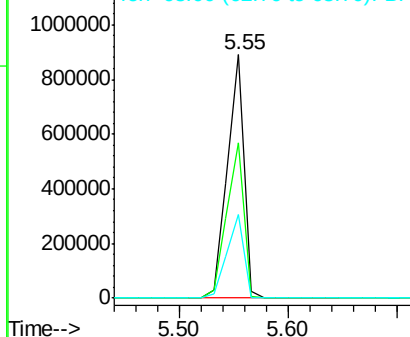
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	936490		
64	63.9	39.7	59.5#	
63	34.4	17.4	26.0#	

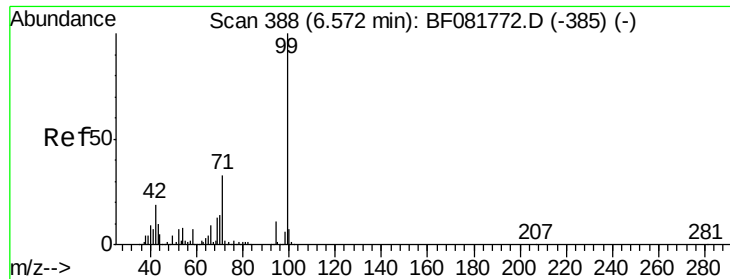


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.86 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

ClientSampleId :

SP-2

Tgt Ion: 99 Resp: 1113420

Ion Ratio Lower Upper

99 100

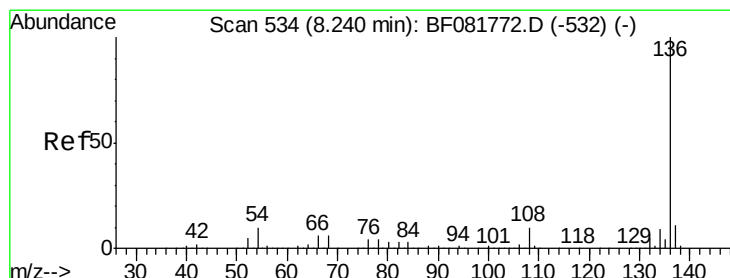
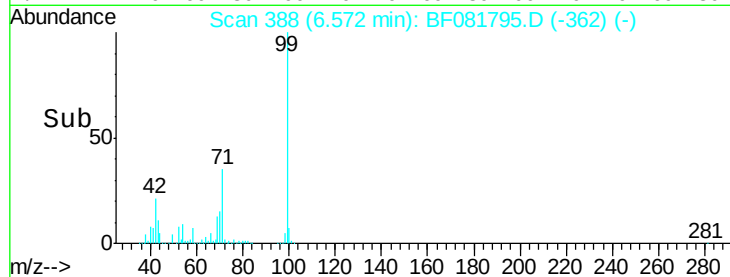
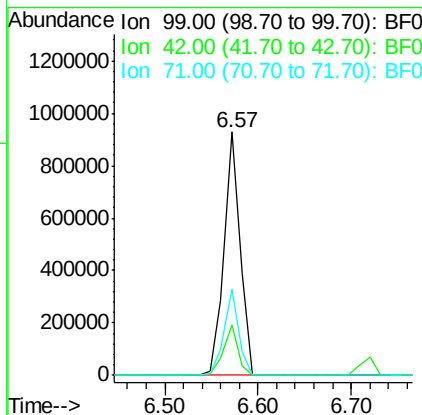
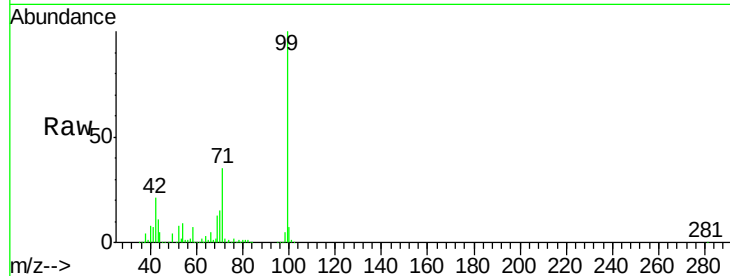
42 20.7 13.7 20.5#

71 35.3 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Tgt Ion: 136 Resp: 591114

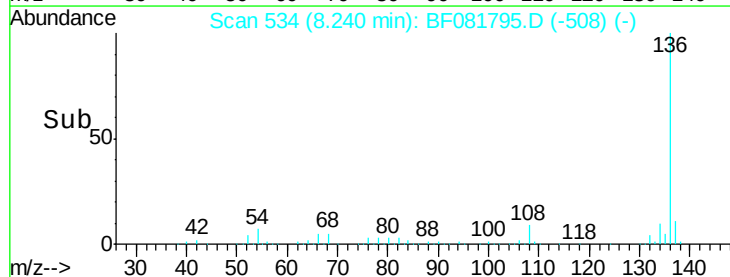
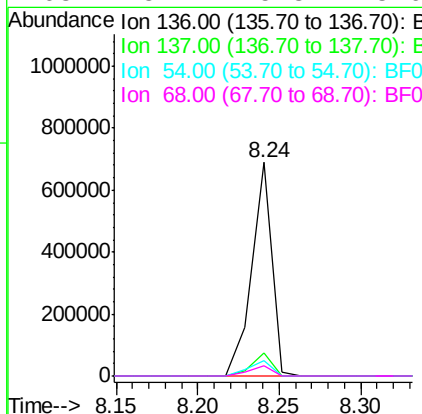
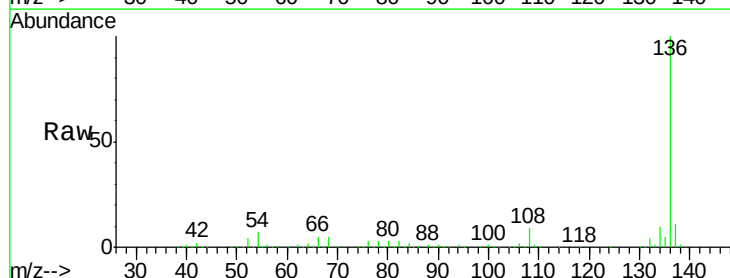
Ion Ratio Lower Upper

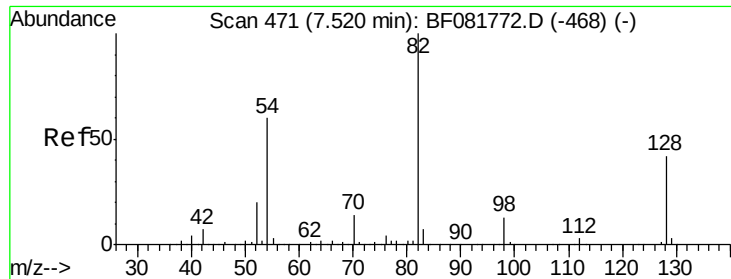
136 100

137 10.9 9.0 13.6

54 7.4 8.2 12.2#

68 5.1 5.8 8.6#





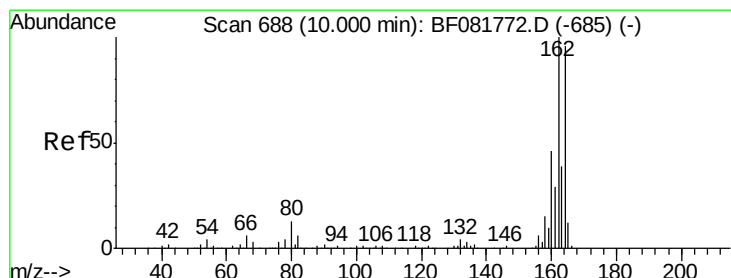
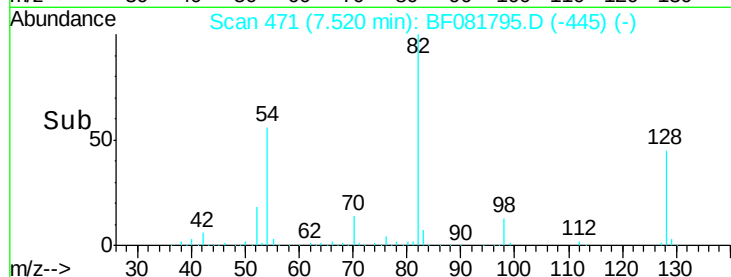
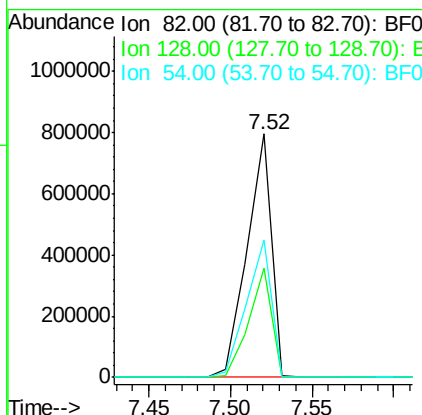
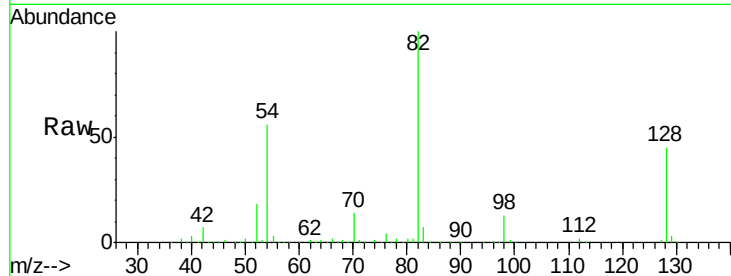
#23
 Nitrobenzene-d5
 Concen: 91.62 ng
 RT: 7.52 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	820824		
128	45.1	51.0	76.6#	
54	56.3	47.5	71.3	

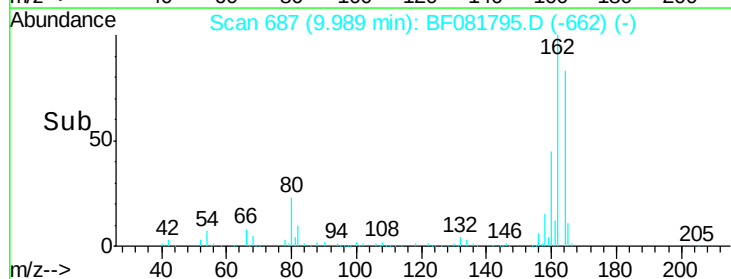
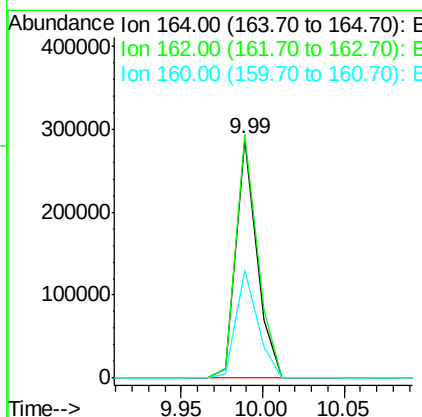
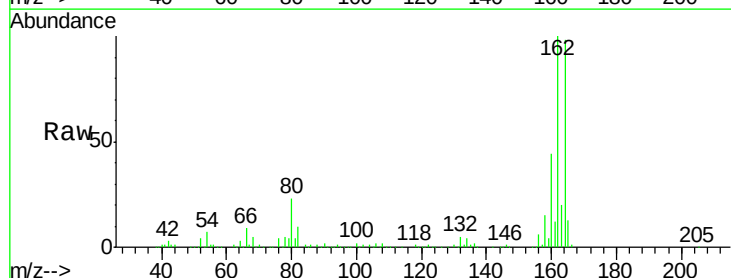
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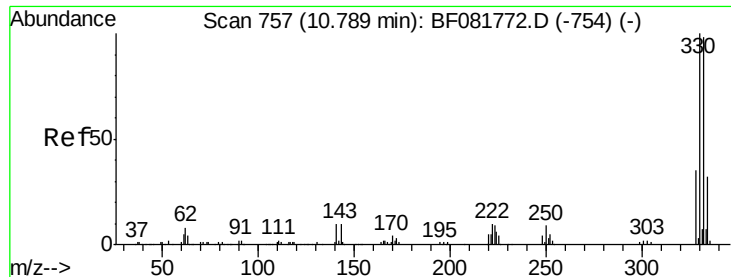
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254026		
162	101.9	75.2	112.8	
160	45.1	31.5	47.3	





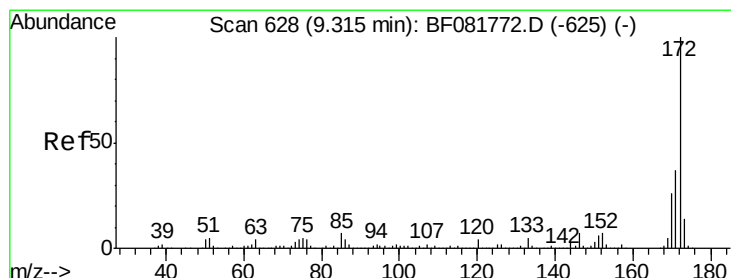
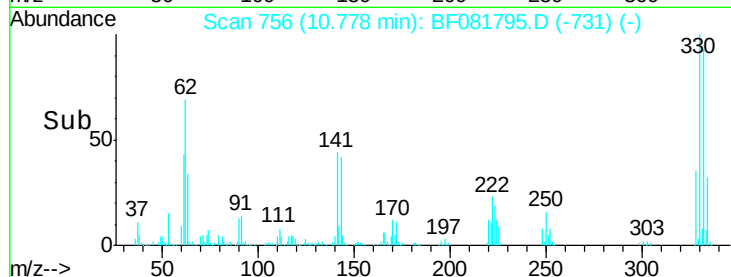
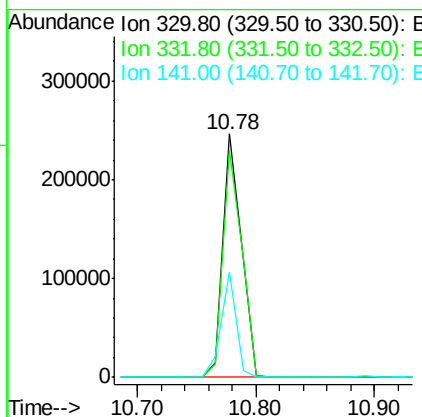
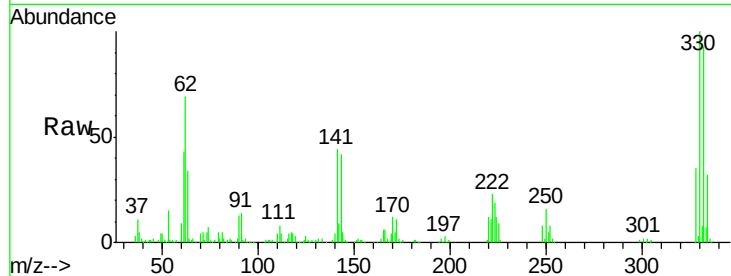
#41
 2,4,6-Tribromophenol
 Concen: 119.58 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	263727		
332	95.3	76.6	114.8	
141	35.6	29.7	44.5	

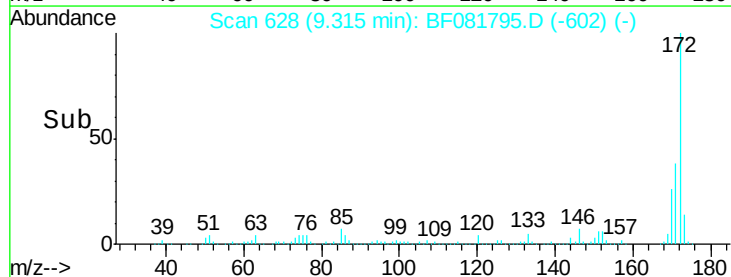
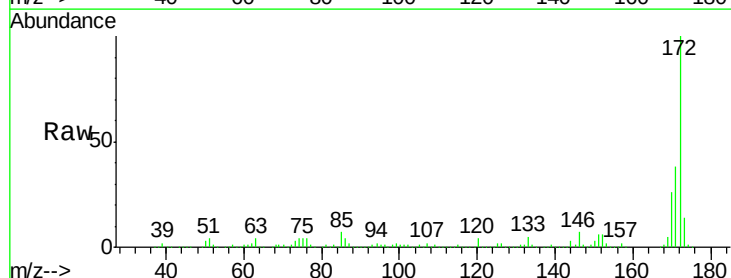
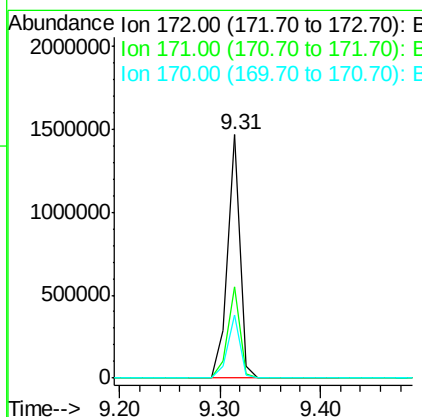
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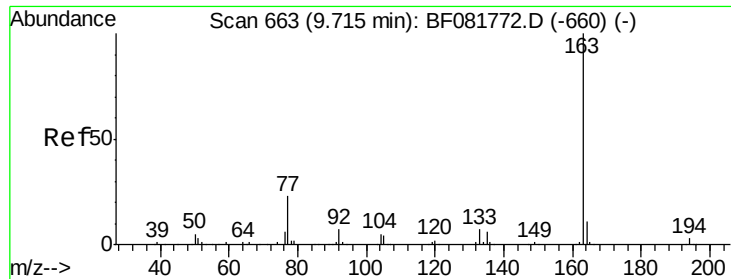
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#44
 2-Fluorobiphenyl
 Concen: 81.59 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1262565		
171	37.6	26.1	39.1	
170	26.0	17.4	26.2	





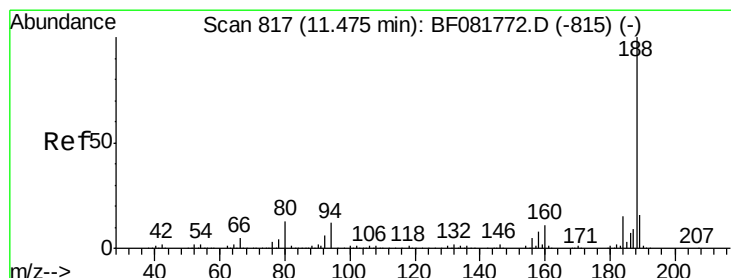
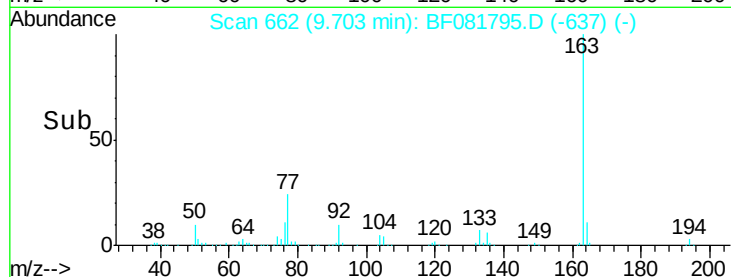
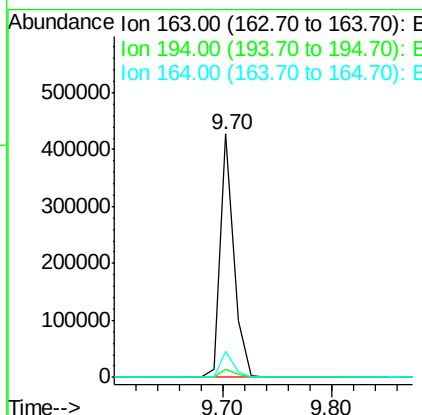
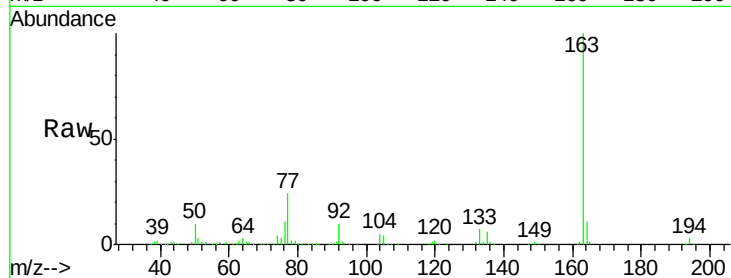
#49
Dimethylphthalate
Concen: 19.44 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Instrument :
BNA_F
ClientSampled :
SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	375781		
194	3.1	4.4	6.6#	
164	10.7	8.3	12.5	

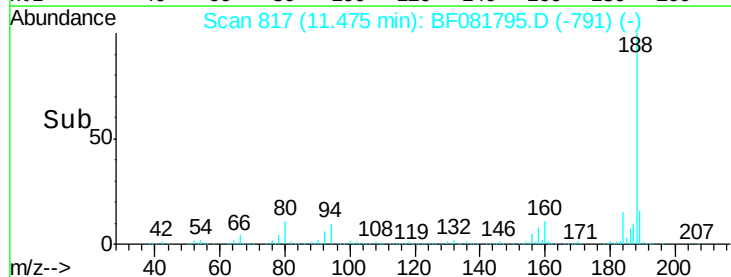
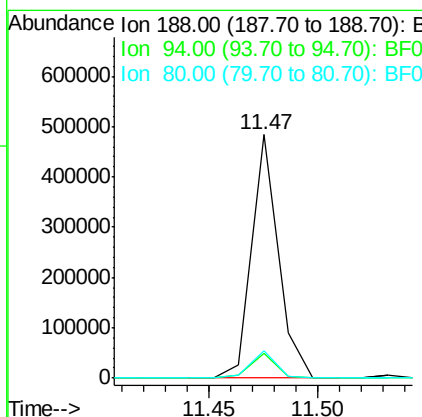
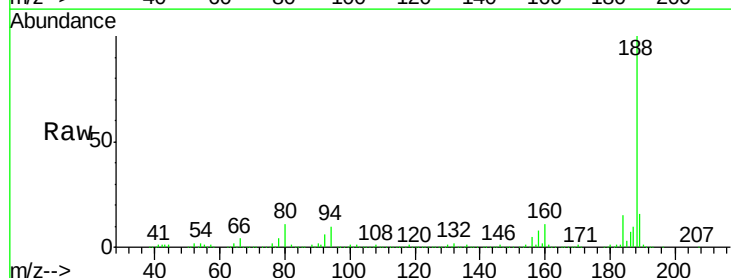
Manual Integrations
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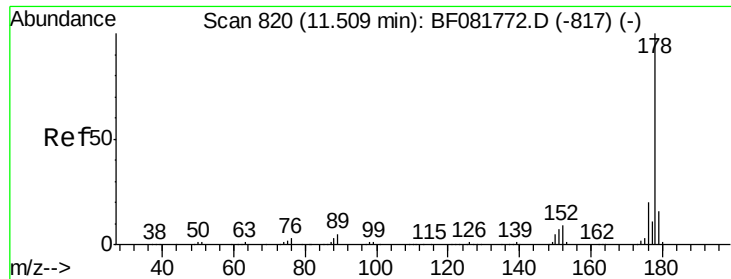
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.47 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	413238		
94	10.2	11.1	16.7#	
80	11.0	11.0	16.4	





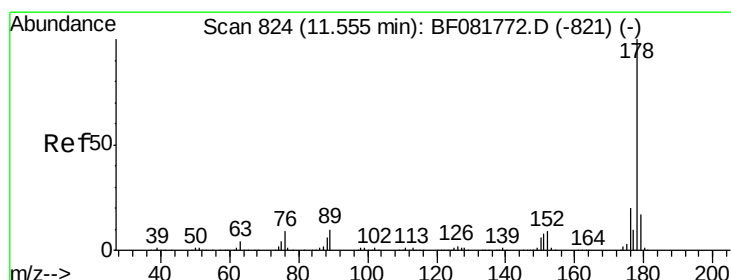
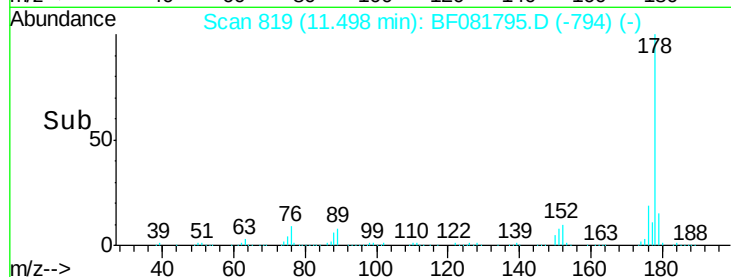
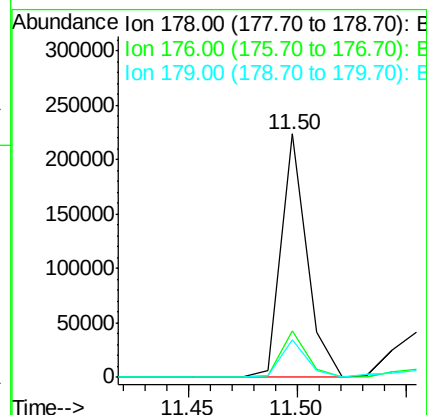
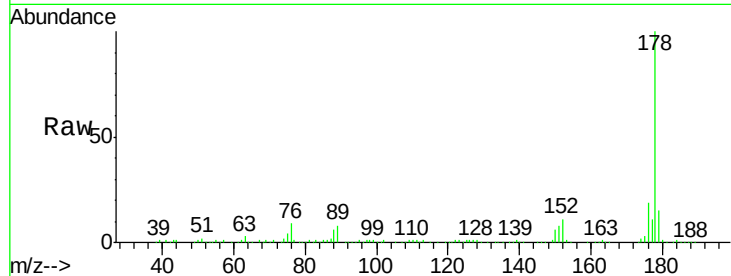
#70
Phenanthrene
Concen: 7.93 ng
RT: 11.50 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	187361		
176	19.1	13.8	20.8	
179	15.4	12.2	18.2	

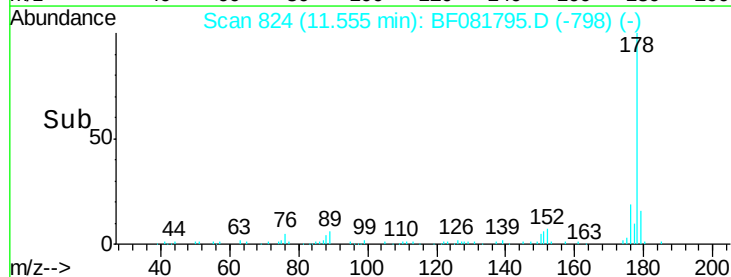
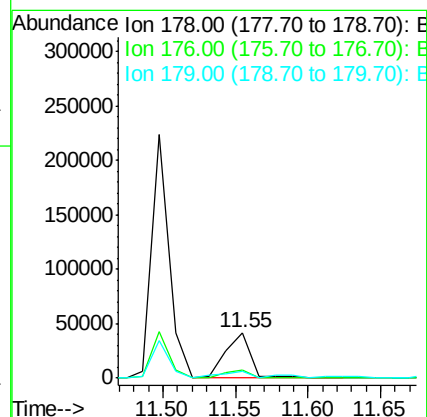
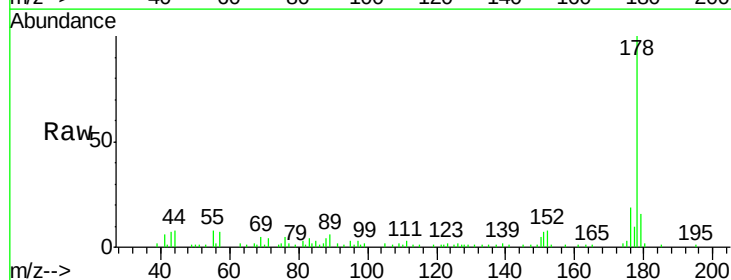
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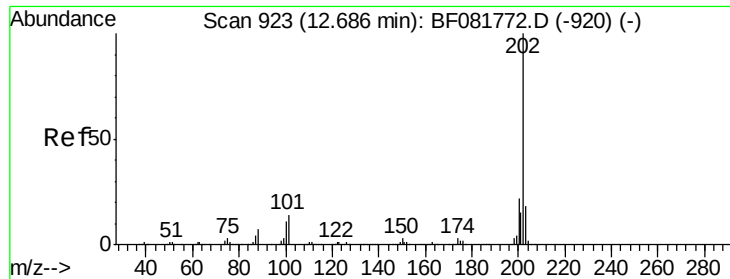
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#71
Anthracene
Concen: 2.10 ng
RT: 11.55 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47769		
176	18.5	14.1	21.1	
179	15.8	12.2	18.2	





#74

Fluoranthene

Concen: 16.00 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

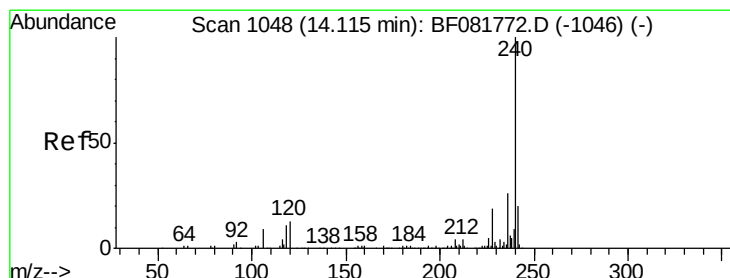
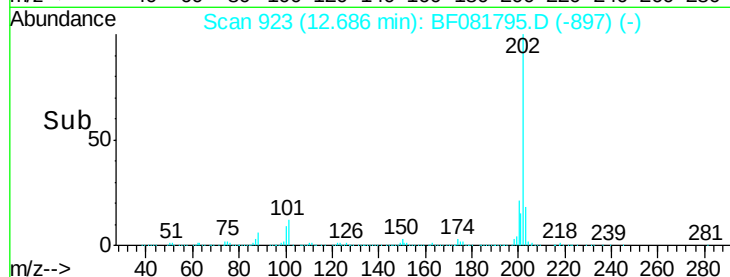
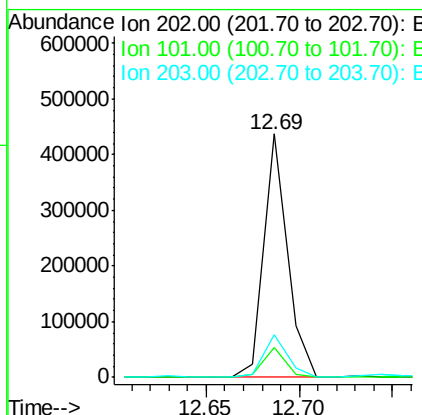
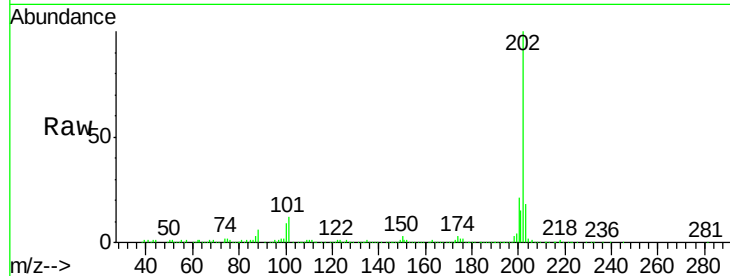
ClientSampleId :

SP-2

Tgt Ion:	202	Resp:	380873
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	38.3
203	17.7	0.0	37.3

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

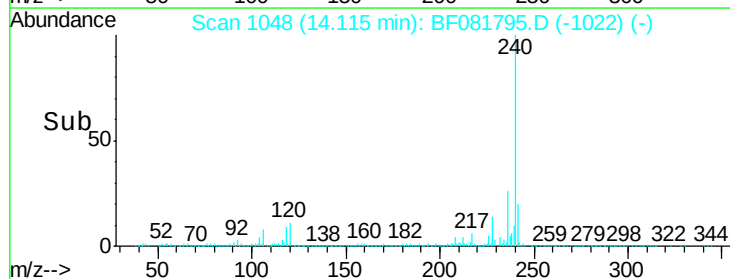
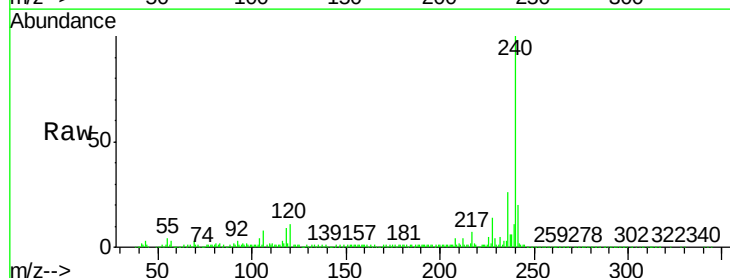
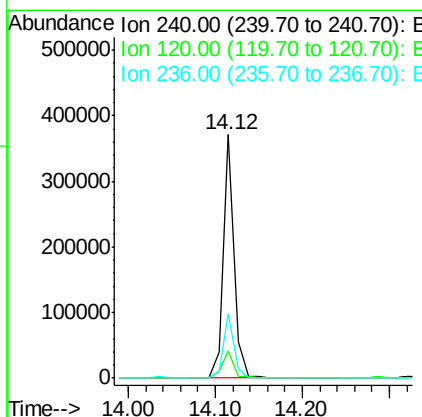
RT: 14.12 min Scan# 1048

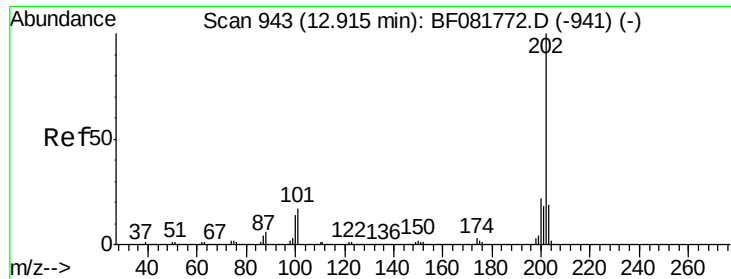
Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Tgt Ion:	240	Resp:	322570
Ion Ratio	Lower	Upper	
240	100		
120	11.3	16.2	24.2#
236	26.2	18.4	27.6





#77

Pyrene

Concen: 14.73 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Instrument :

BNA_F

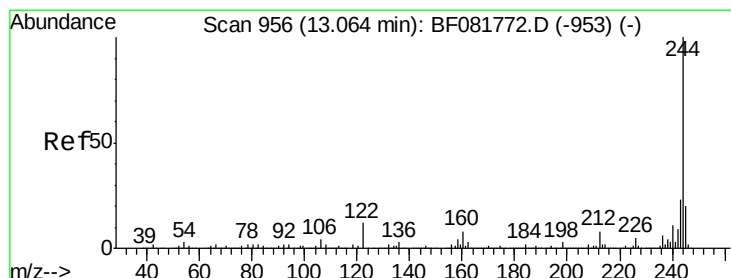
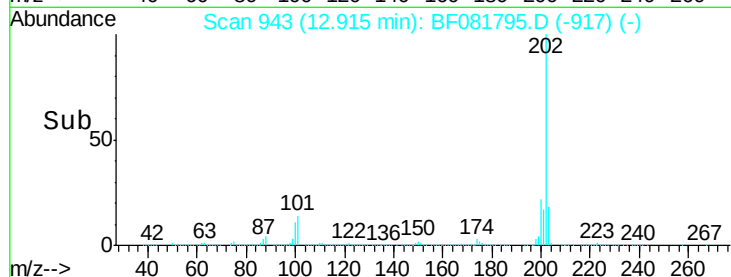
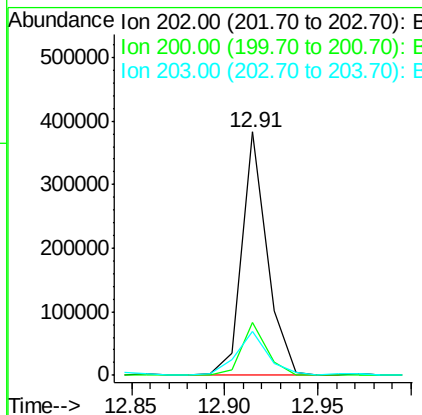
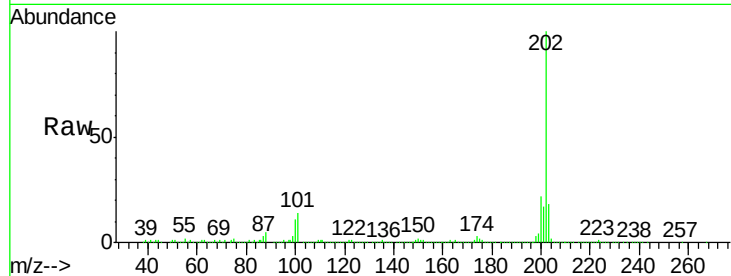
ClientSampled :

SP-2

Tgt Ion:	202	Resp:	358157
Ion Ratio		Lower	Upper
202	100		
200	21.6	15.0	22.4
203	18.1	14.1	21.1

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9/25/2015 3:36:55 PM



#78

Terphenyl-d14

Concen: 69.82 ng

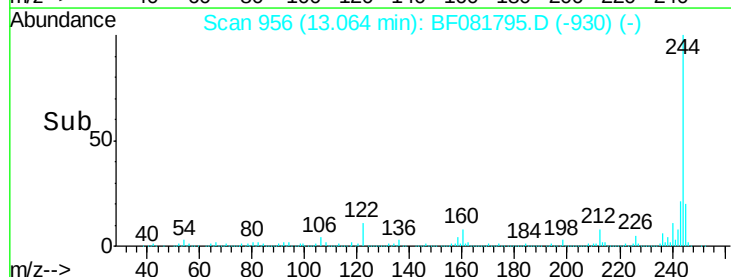
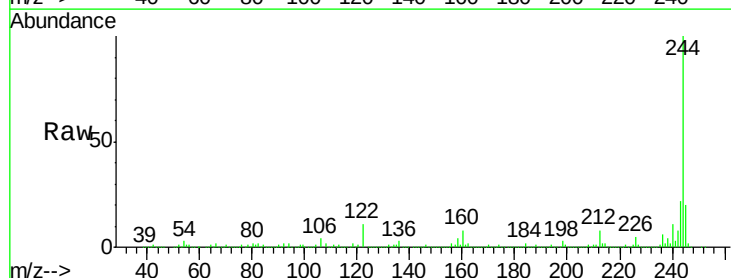
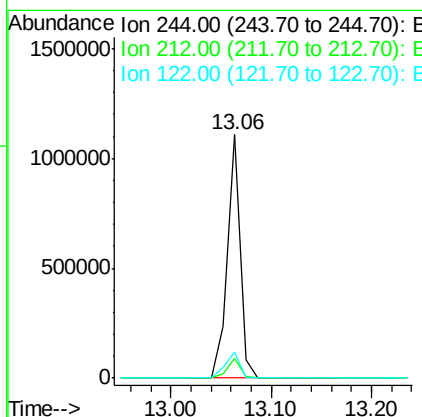
RT: 13.06 min Scan# 956

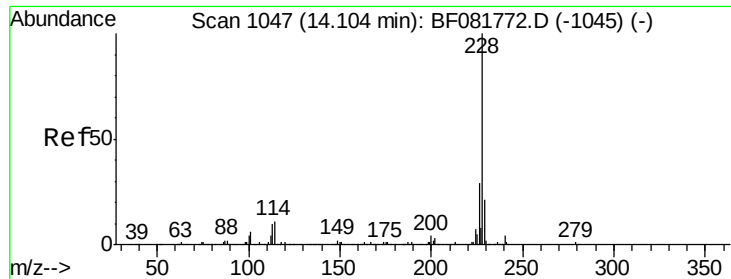
Delta R.T. -0.00 min

Lab File: BF081795.D

Acq: 25 Sep 2015 8:39

Tgt Ion:	244	Resp:	985888
Ion Ratio		Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	10.6	17.4	26.2#





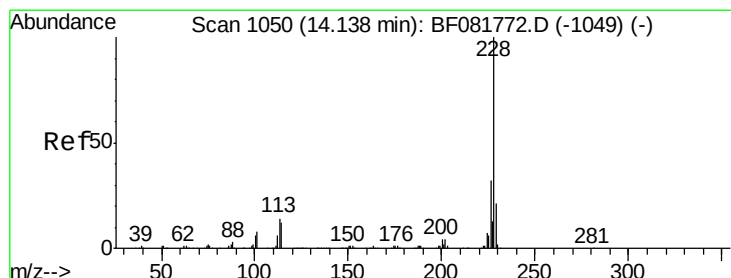
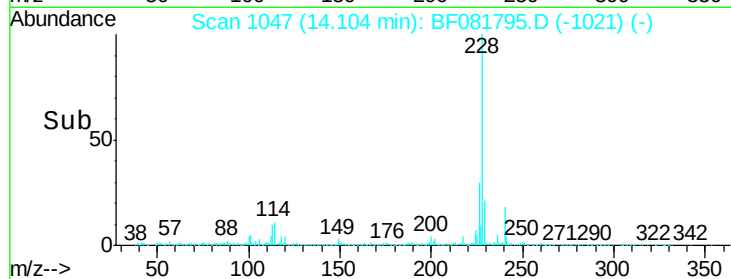
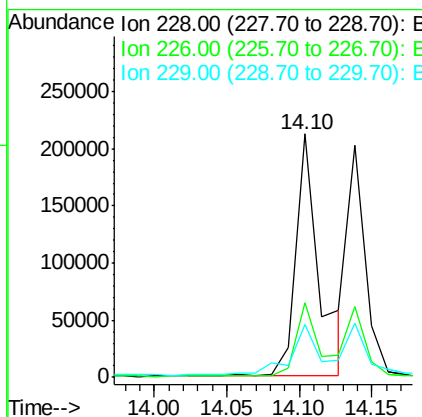
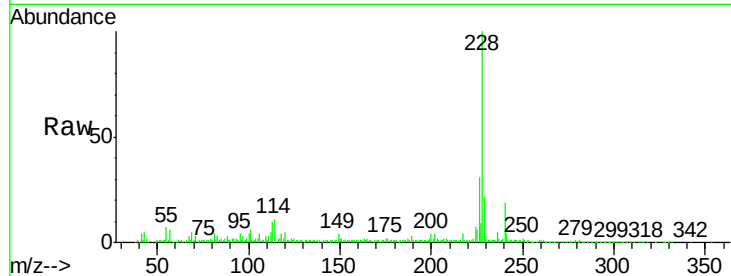
#80
Benzo(a)anthracene
Concen: 12.35 ng
RT: 14.10 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	20.0	30.0#
229	21.9	15.4	23.2

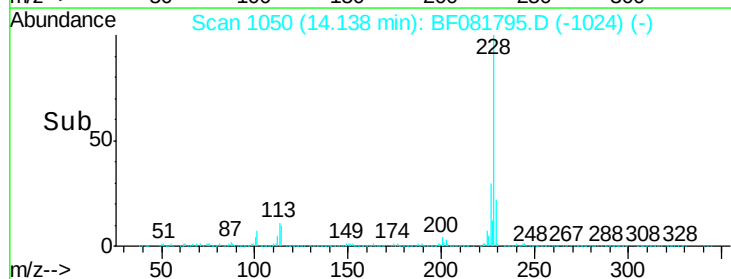
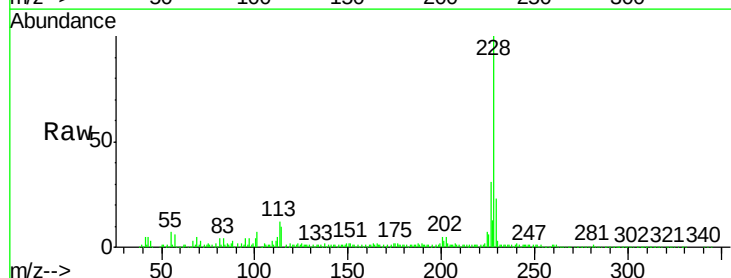
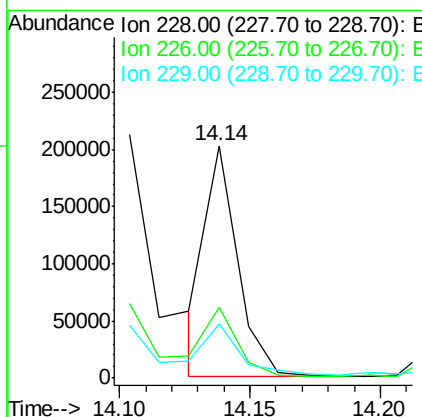
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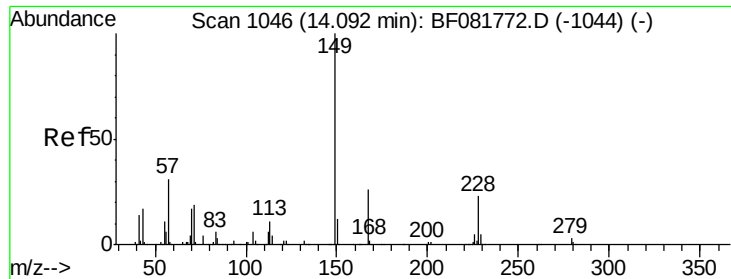
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9/25/2015 3:36:55 PM



#82
Chrysene
Concen: 9.12 ng
RT: 14.14 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	23.1	15.6	23.4





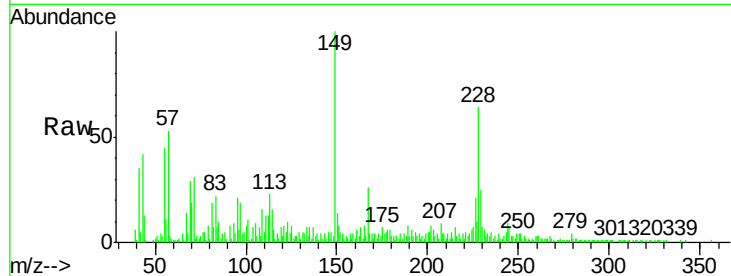
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.84 ng
 RT: 14.09 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Instrument :
 BNA_F
 ClientSampled :
 SP-2

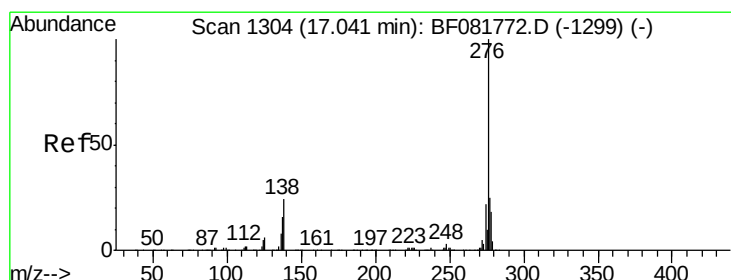
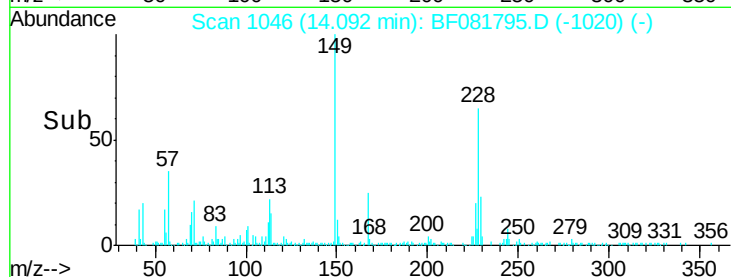
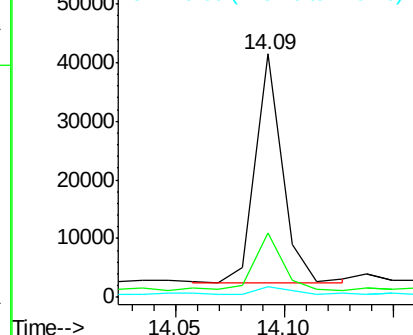
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	33407		
167	26.4	24.2	36.2	
279	4.2	3.8	5.6	

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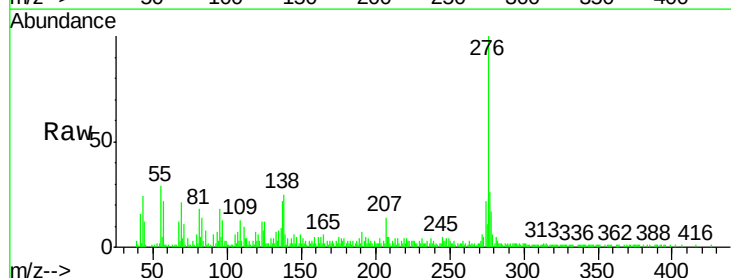


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

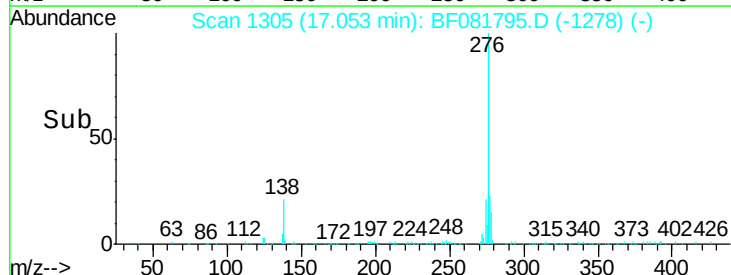
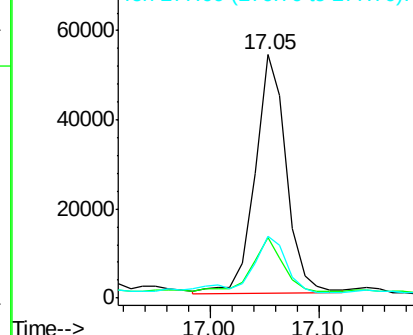


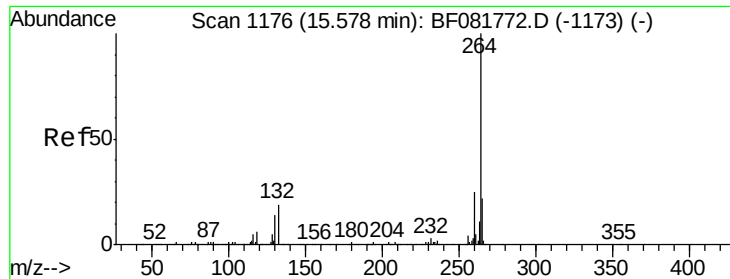
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.20 ng
 RT: 17.05 min Scan# 1305
 Delta R.T. 0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	106498		
138	22.5	25.7	38.5#	
277	28.7	15.6	23.4#	



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





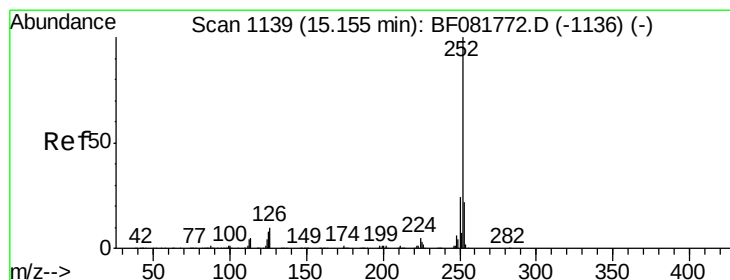
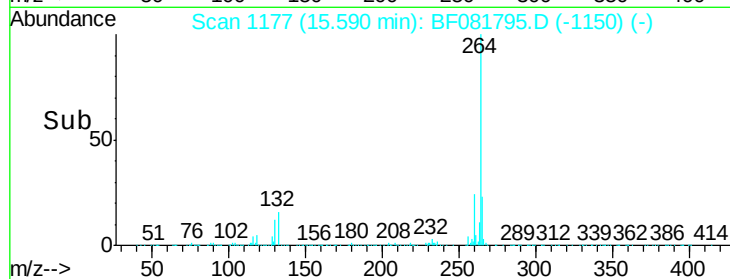
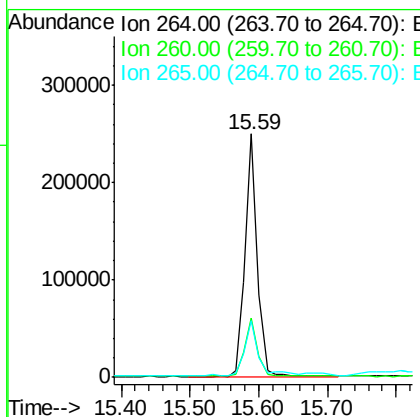
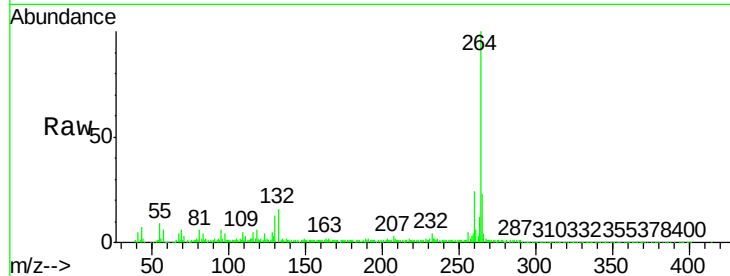
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	309950		
260	24.3	16.7	25.1	
265	23.2	17.2	25.8	

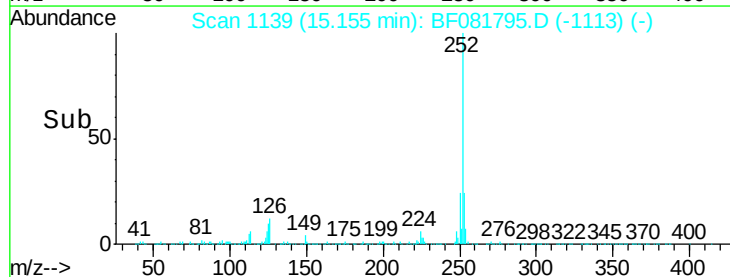
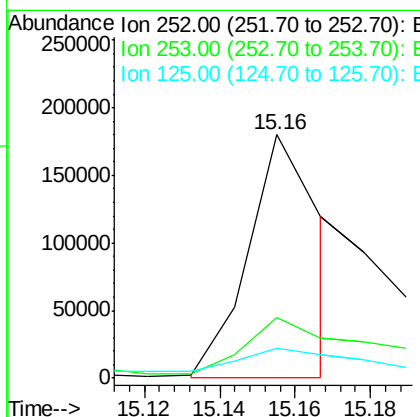
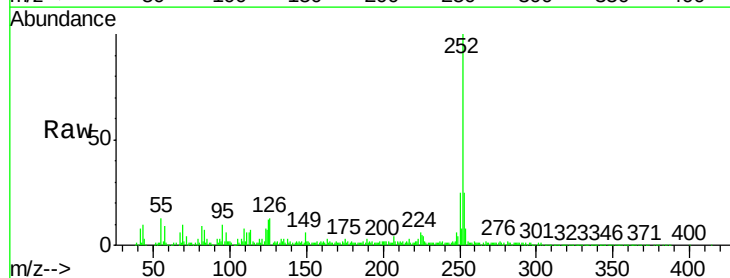
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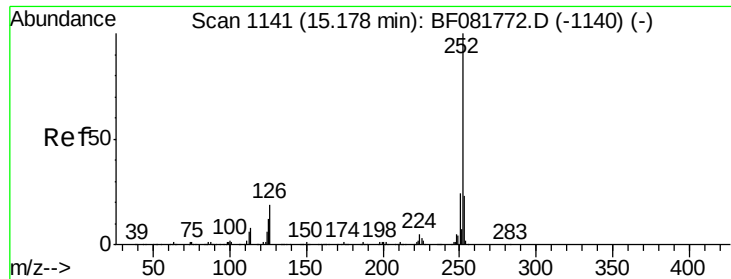
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9/25/2015 3:36:55 PM



#87
Benzo(b)fluoranthene
Concen: 13.11 ng m
RT: 15.16 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	240905		
253	25.0	17.5	26.3	
125	12.4	17.1	25.7#	





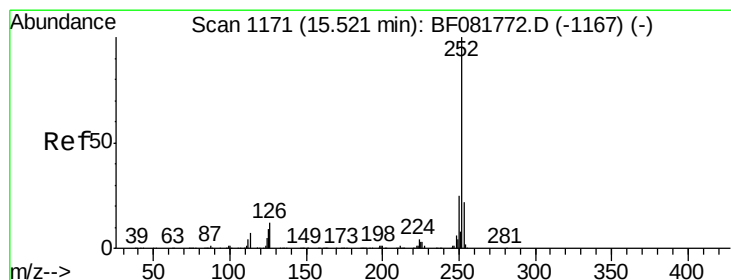
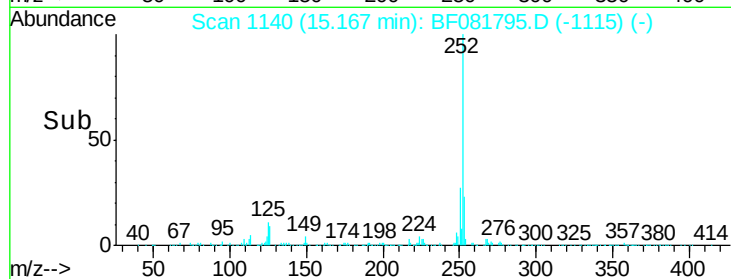
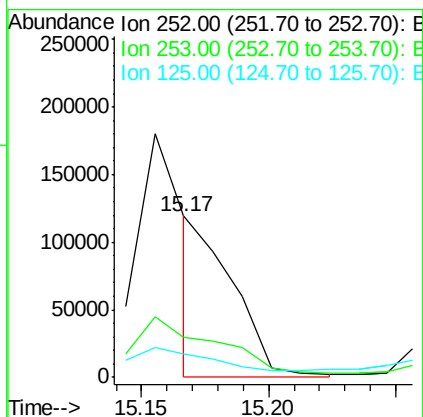
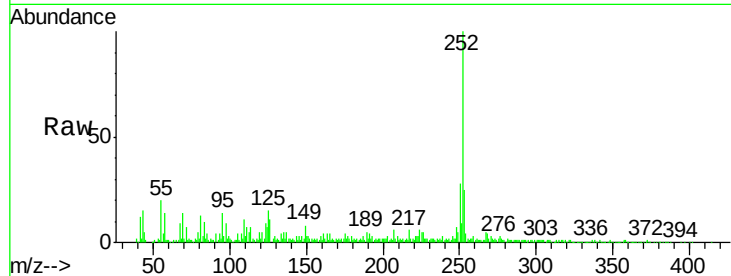
#88
Benzo(k)fluoranthene
Concen: 6.43 ng m
RT: 15.17 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Instrument :
BNA_F
ClientSampled :
SP-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	17.0	25.4
125	14.5	16.0	24.0

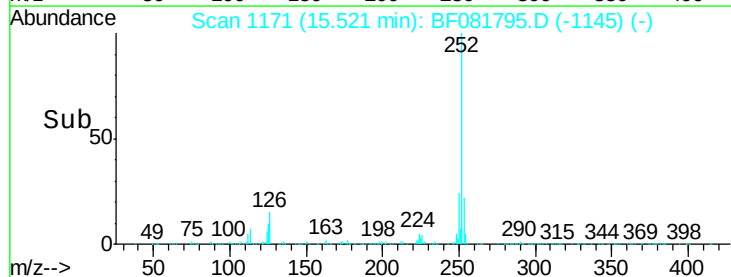
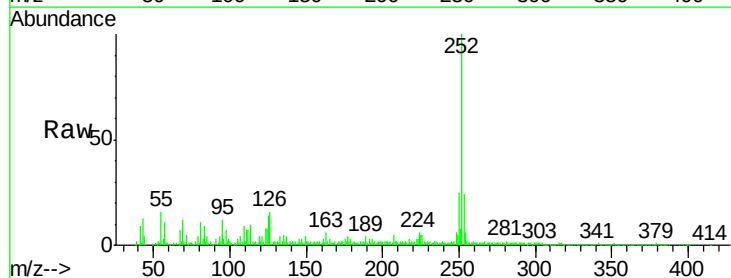
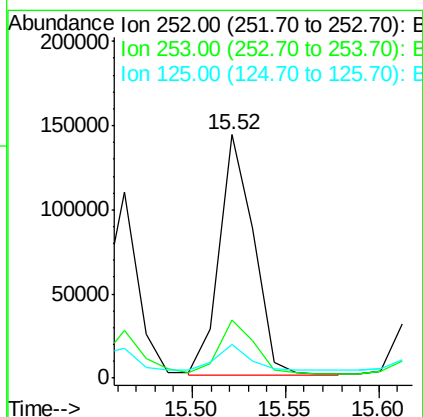
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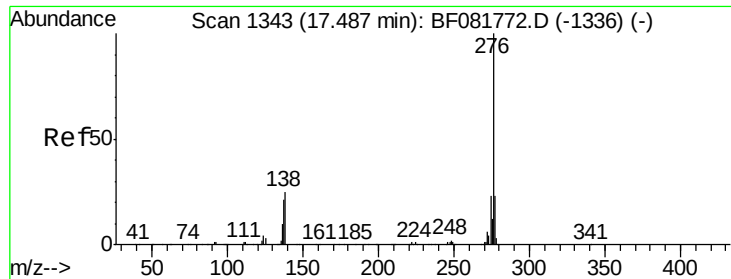
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9/25/2015 3:36:55 PM



#89
Benzo(a)pyrene
Concen: 11.11 ng
RT: 15.52 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF081795.D
Acq: 25 Sep 2015 8:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.8	17.2	25.8
125	13.8	18.0	27.0





#91
 Benzo(g,h,i)perylene
 Concen: 5.66 ng
 RT: 17.50 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: BF081795.D
 Acq: 25 Sep 2015 8:39

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.8	17.8	26.6		
138	24.7	34.6	51.8		

Manual Integrations
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