

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088015.D
 Acq On : 14 Jun 2016 23:24
 Operator : UM/SJ
 Sample : H3467-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

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Quant Time: Jun 15 05:04:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93659	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	357721	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	155473	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	246327	20.00	ng	0.00
75) Chrysene-d12	13.94	240	228078	20.00	ng	0.00
86) Perylene-d12	15.35	264	179725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	763642	139.39	ng	0.01
7) Phenol-d6	6.43	99	1081197	162.84	ng	0.01
23) Nitrobenzene-d5	7.35	82	547370	89.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	186099	113.36	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	989699	101.05	ng	0.00
78) Terphenyl-d14	12.89	244	714579	71.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	260094	23.09	ng	99
70) Phenanthrene	11.32	178	54014	4.18	ng	98
74) Fluoranthene	12.51	202	97734	7.16	ng	97
77) Pyrene	12.74	202	87274	5.16	ng	98
80) Benzo(a)anthracene	13.93	228	43901	3.38	ng	97
82) Chrysene	13.97	228	42917m	3.51	ng	
83) Bis(2-ethylhexyl)phthalate	13.93	149	198982	21.84	ng	99
87) Benzo(b)fluoranthene	14.95	252	46582m	3.72	ng	
88) Benzo(k)fluoranthene	14.96	252	19024m	2.01	ng	
89) Benzo(a)pyrene	15.29	252	30711	3.03	ng	98
91) Benzo(g,h,i)perylene	17.11	276	20684	2.14	ng	96

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

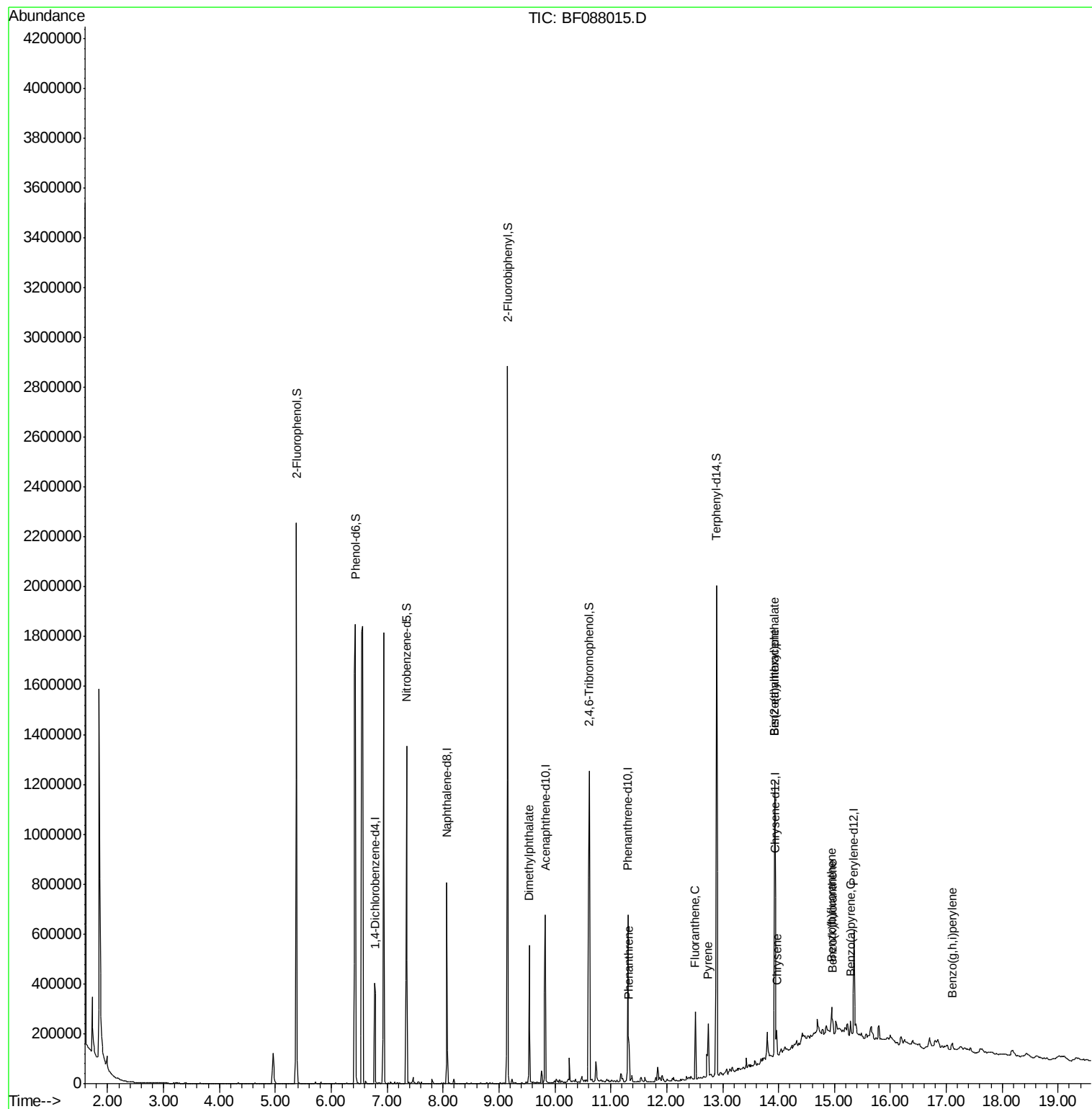
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088015.D
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#1

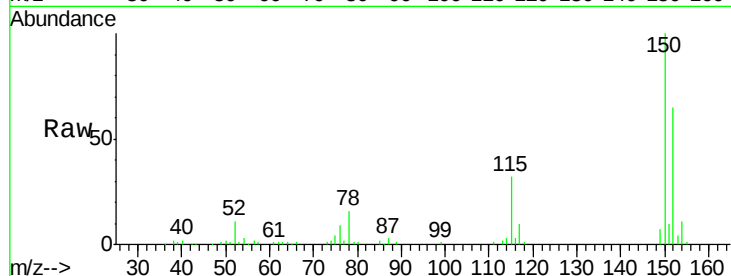
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

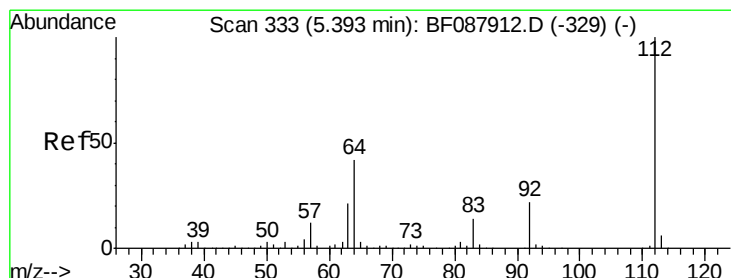
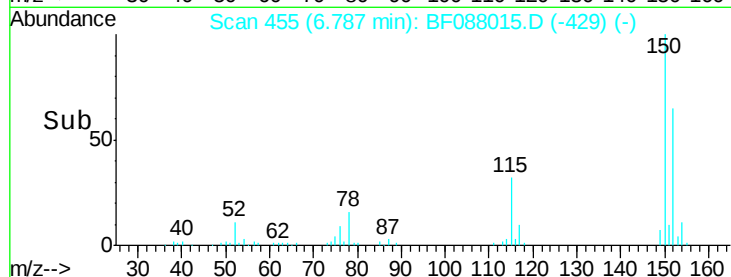
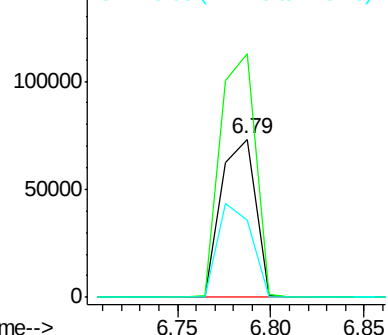
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.6
115	49.1	39.6	59.4

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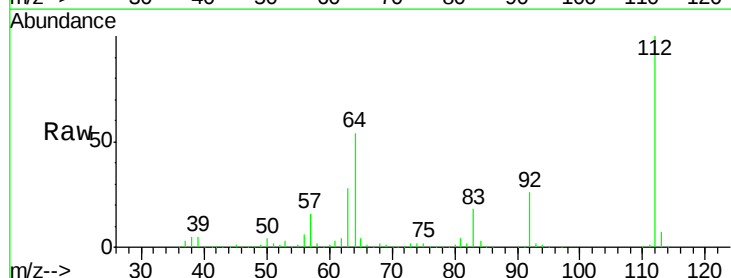
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



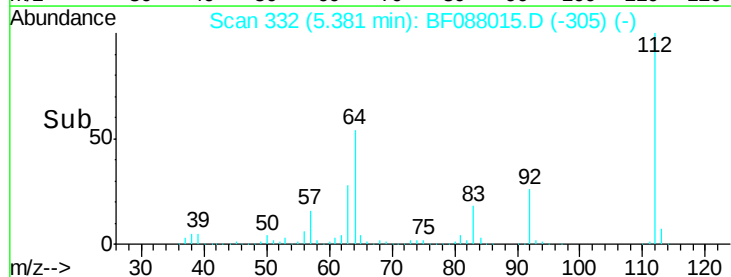
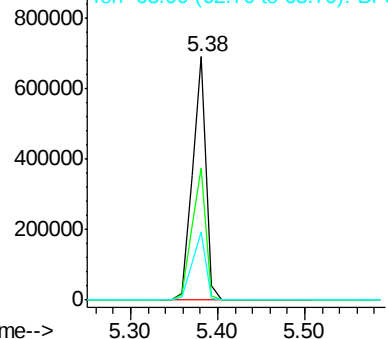
#5

2-Fluorophenol
Concen: 139.39 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.2	63.2
63	28.0	21.8	32.8



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: 162.84 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

Tot Ion: 99 Resp: 1081197

Ion Ratio Lower Upper

99 100

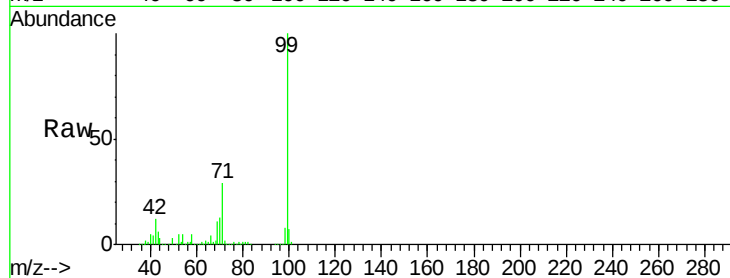
42 12.3 12.2 18.2

71 28.9 23.4 35.0

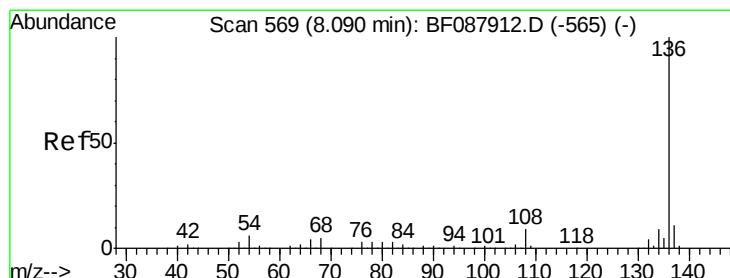
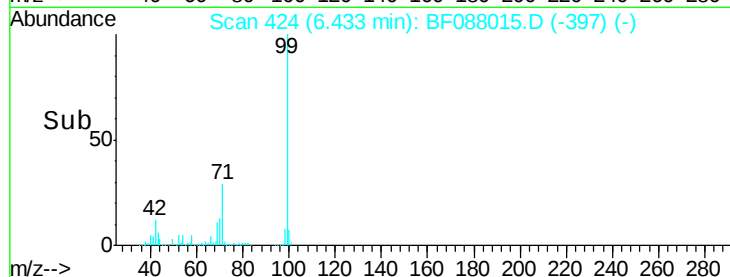
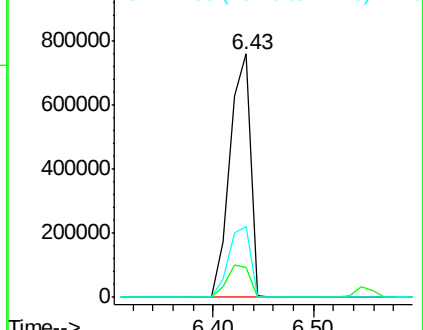
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Tgt Ion: 136 Resp: 357721

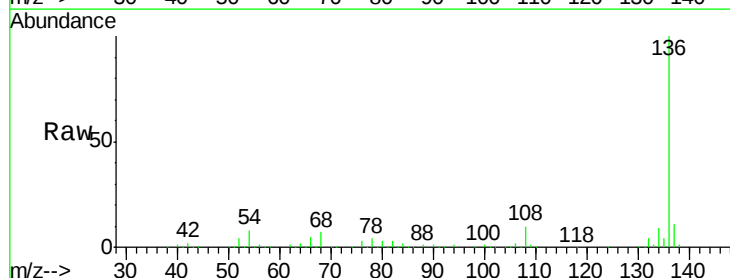
Ion Ratio Lower Upper

136 100

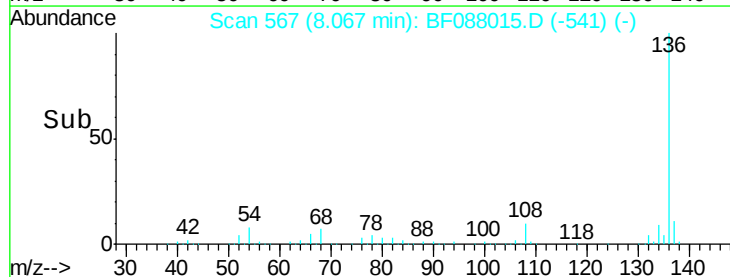
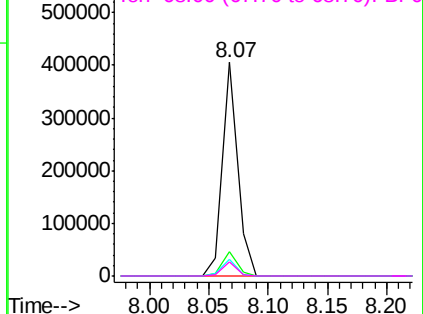
137 11.2 9.1 13.7

54 7.9 6.6 10.0

68 6.6 5.1 7.7



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





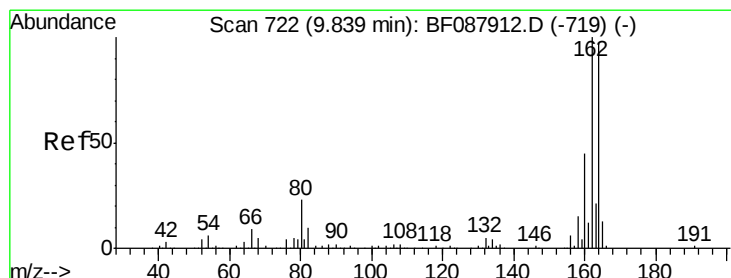
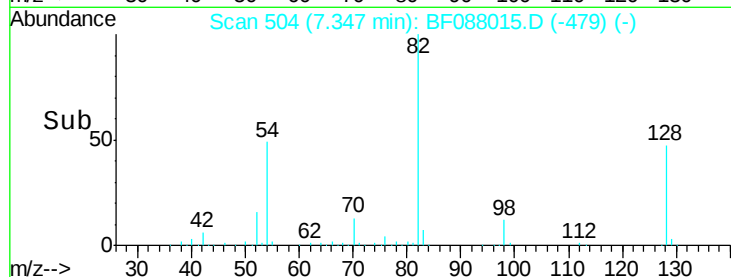
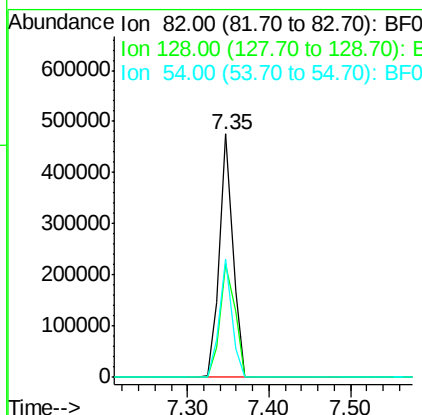
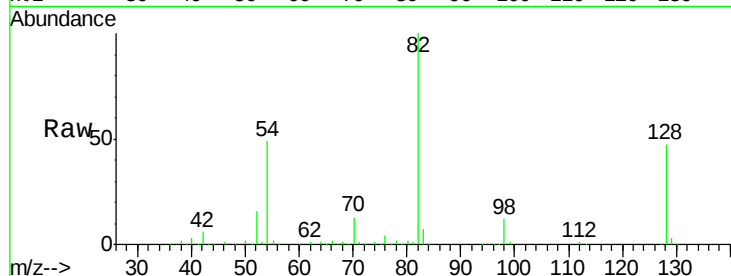
#23
Nitrobenzene-d5
Concen: 89.35 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.9	53.9
54	48.5	40.9	61.3

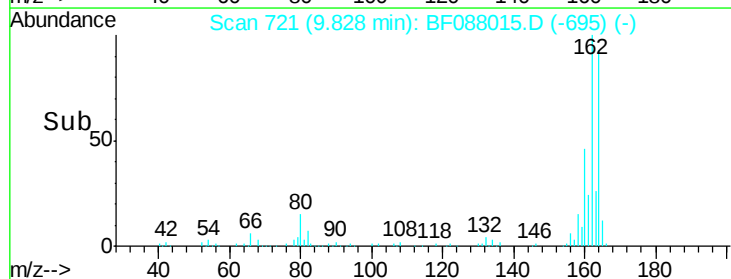
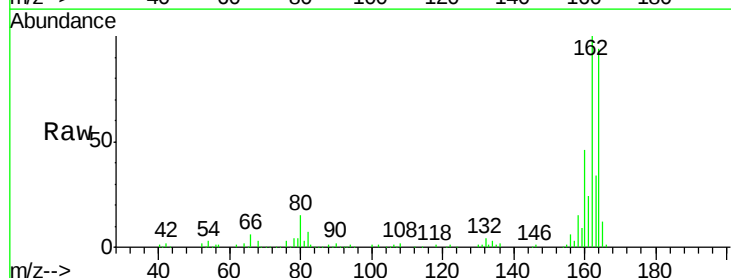
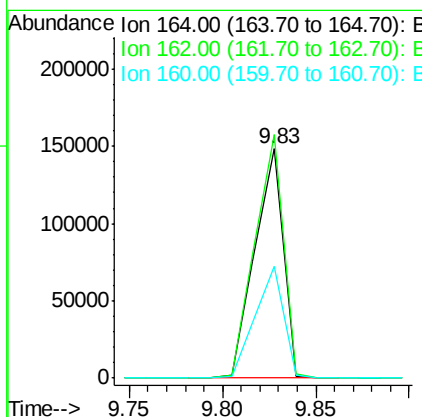
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.4	128.2
160	48.7	39.5	59.3





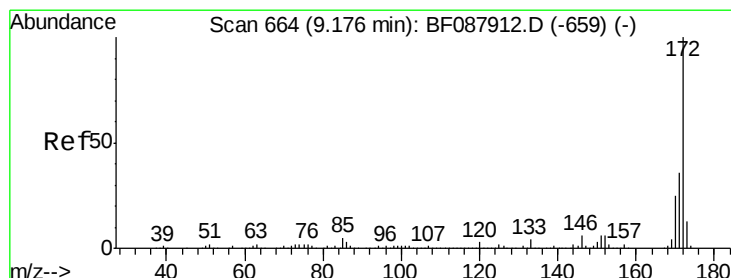
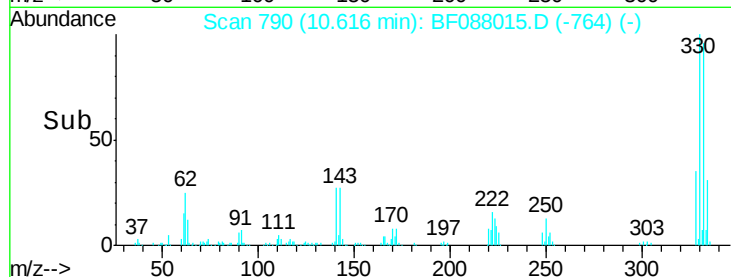
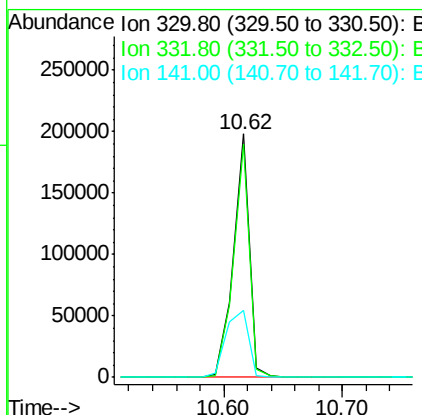
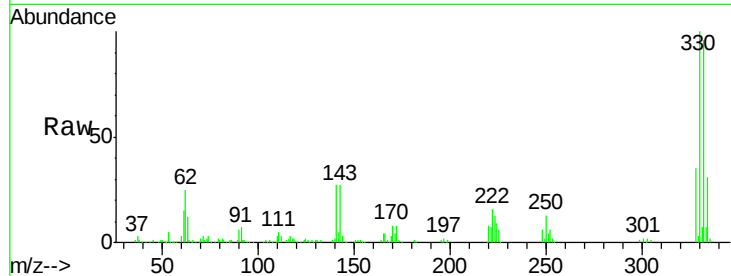
#41
 2,4,6-Tribromophenol
 Concen: 113.36 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Instrument :
 BNA_F
 ClientSampled :
 S-14-WC-2

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	38.5	0.0	0.0#

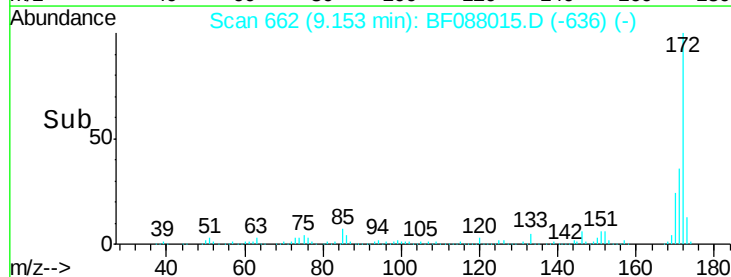
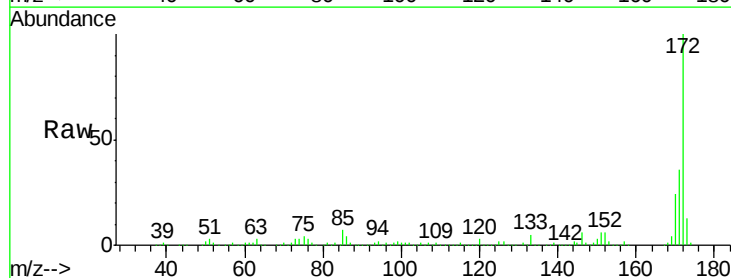
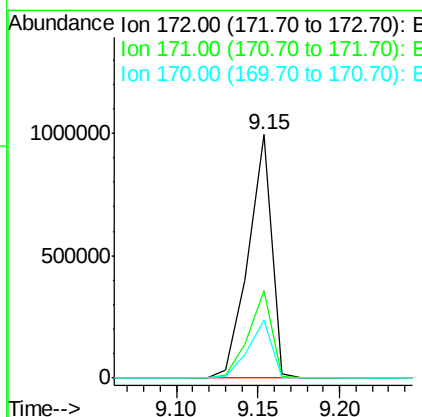
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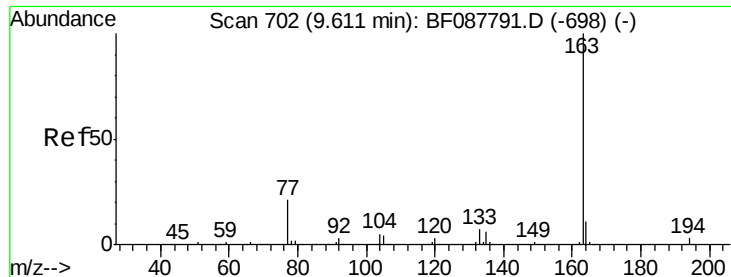
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#44
 2-Fluorobiphenyl
 Concen: 101.05 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.1	19.2	28.8





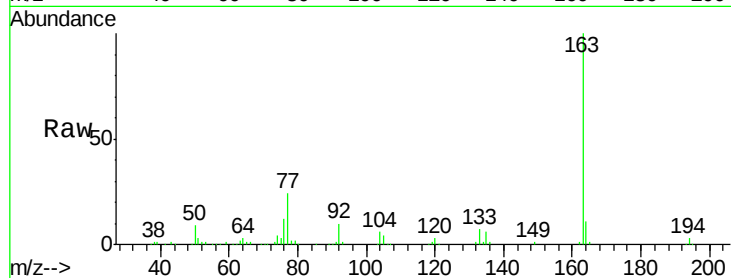
#49
Dimethylphthalate
Concen: 23.09 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

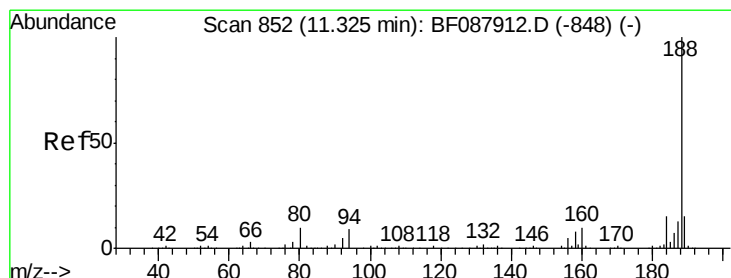
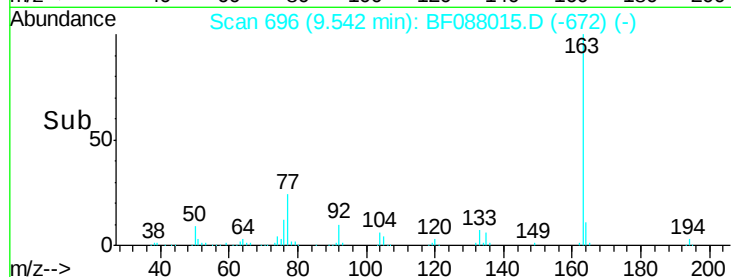
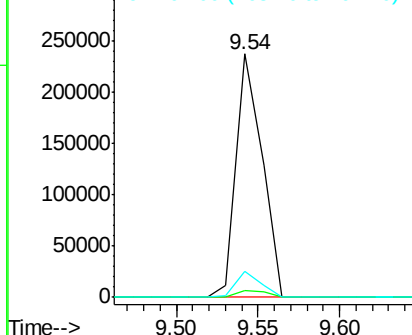
Tot Ion	Ratio	Resp	Lower	Upper
163	100	260094		
194	2.9		2.8	4.2
164	10.8		8.3	12.5

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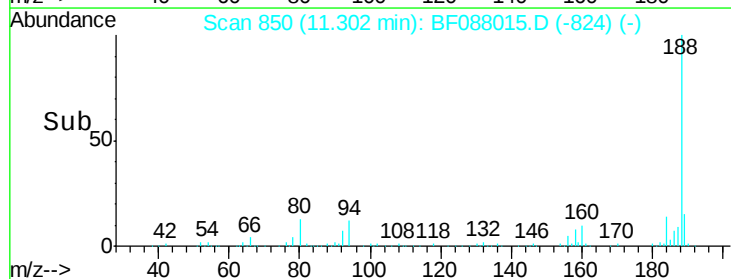
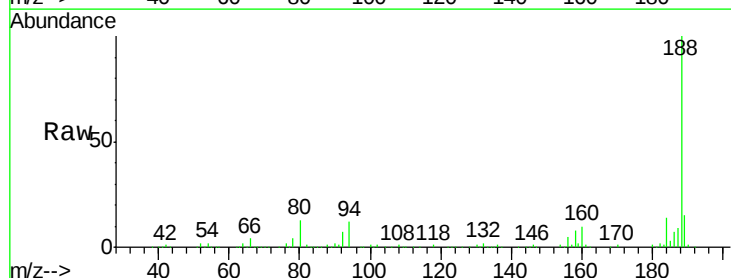
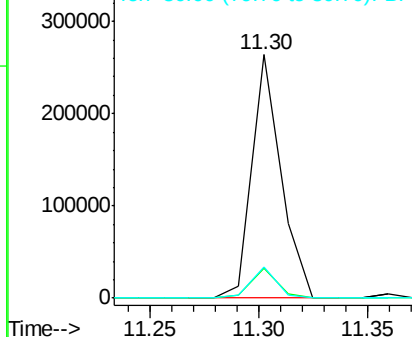
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

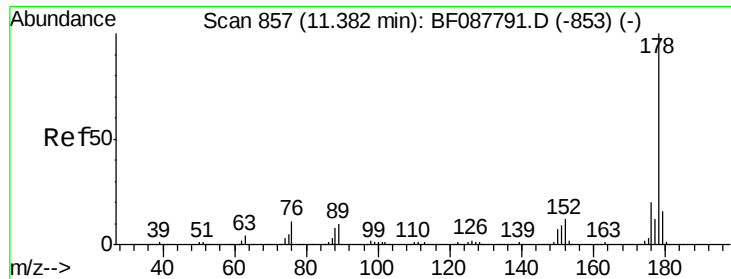


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	246327		
94	12.2		9.0	13.6
80	13.0		10.0	15.0

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





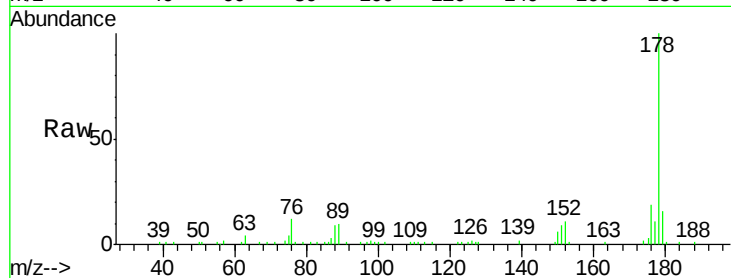
#70
Phenanthrene
Concen: 4.18 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

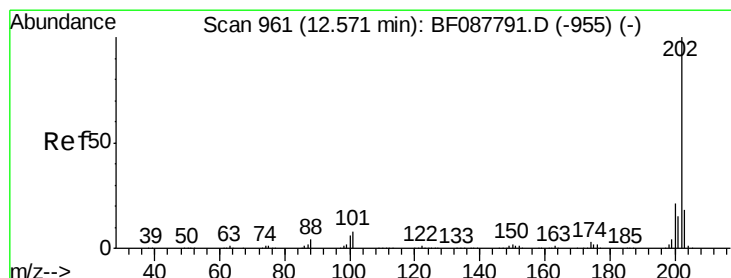
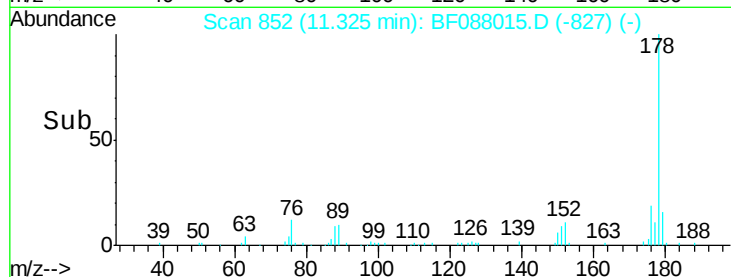
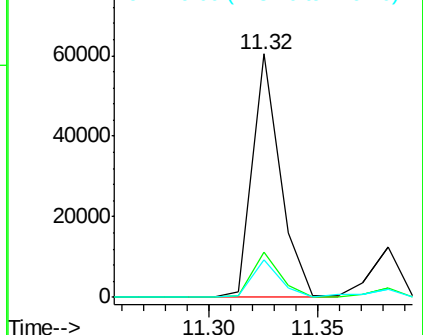
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.7	13.0	19.4

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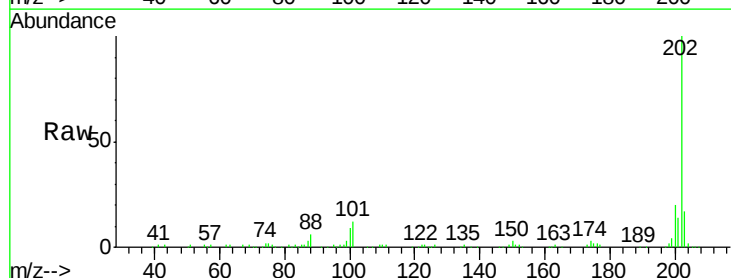


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

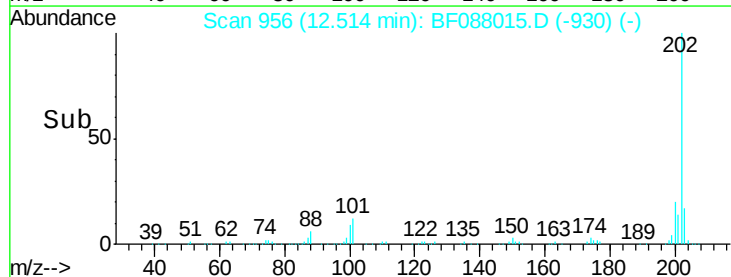
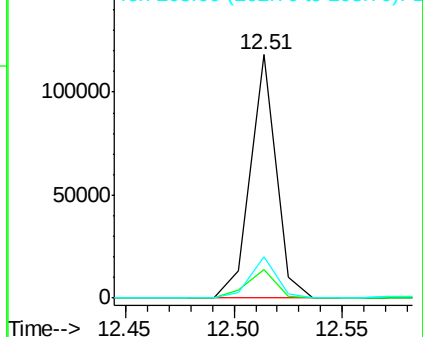


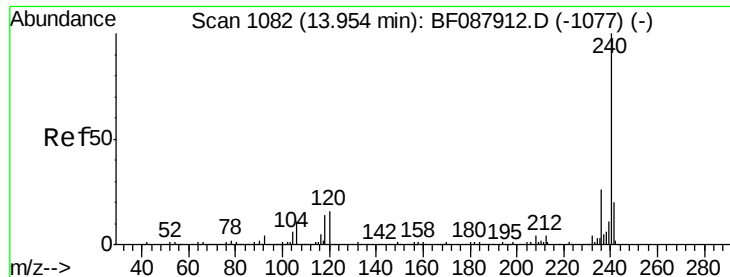
#74
Fluoranthene
Concen: 7.16 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.1
203	17.1	0.0	38.1



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: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

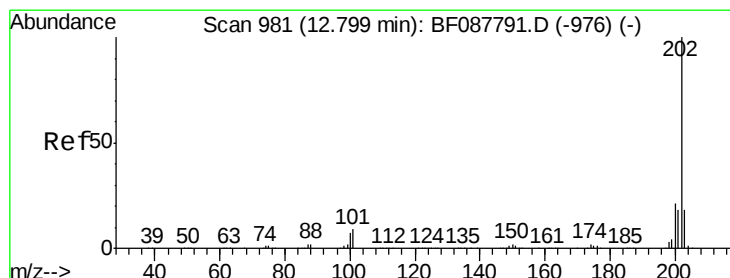
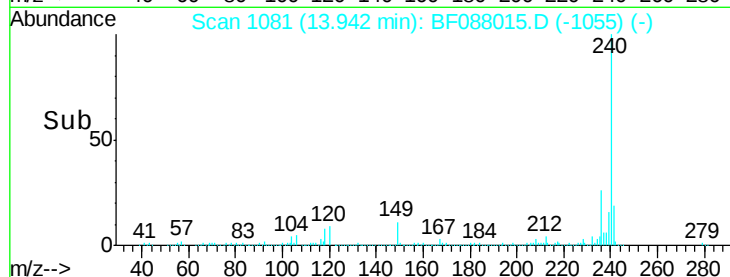
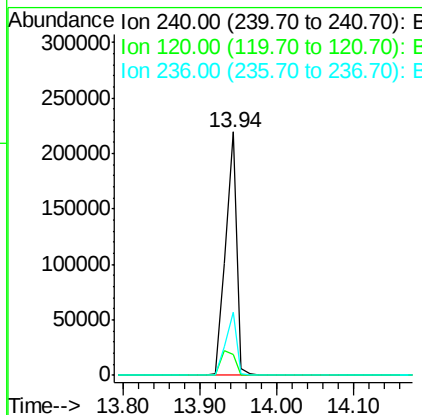
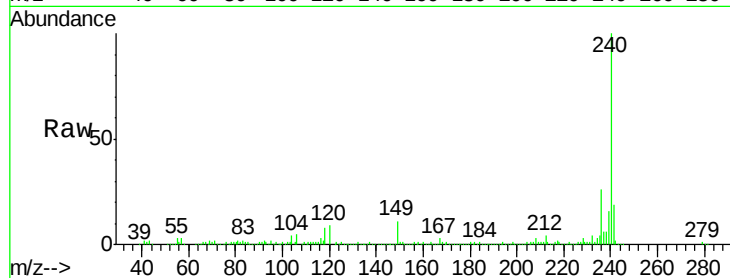
ClientSampled :

S-14-WC-2

Tot Ion:	240	Resp:	228078
Ion Ratio	Lower	Upper	
240	100		
120	8.8	6.8	10.2
236	25.7	20.2	30.2

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#77

Pyrene

Concen: 5.16 ng

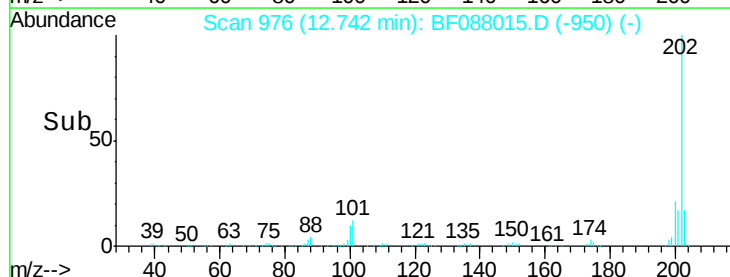
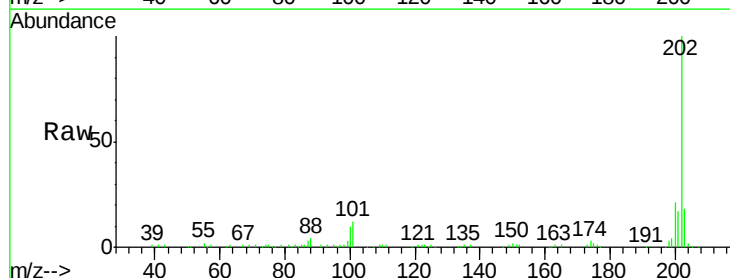
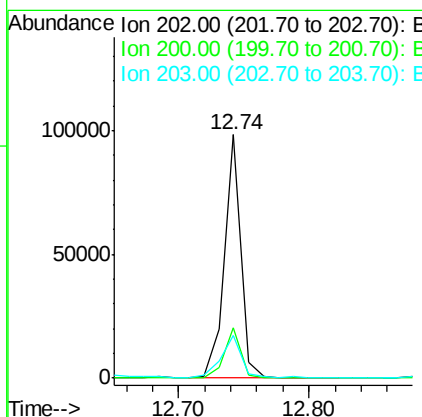
RT: 12.74 min Scan# 976

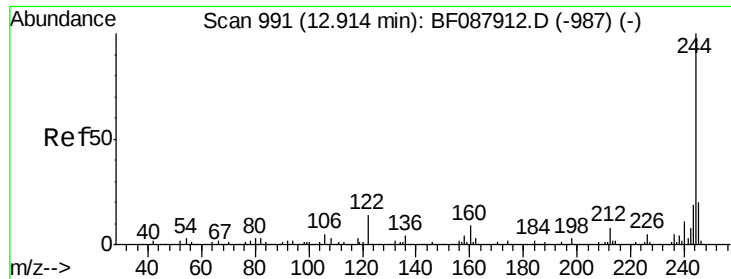
Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Tgt Ion:	202	Resp:	87274
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.7	14.5	21.7





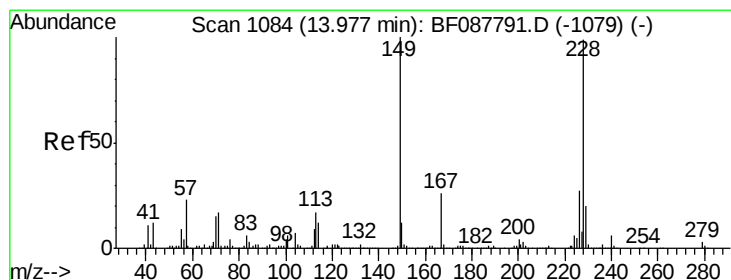
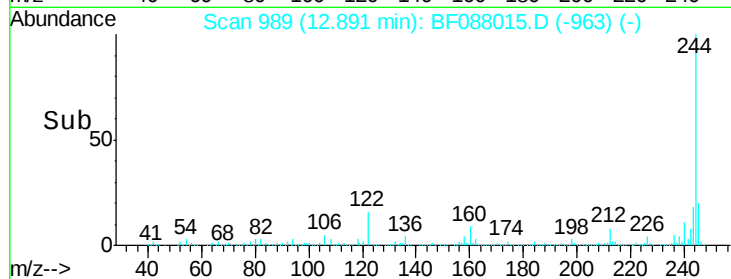
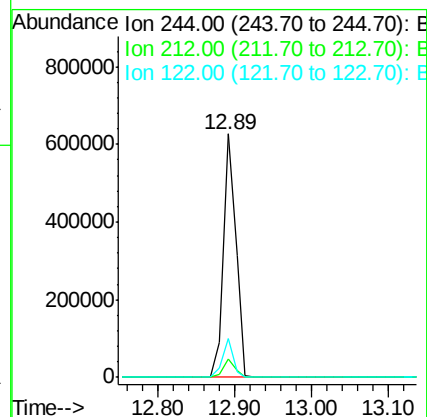
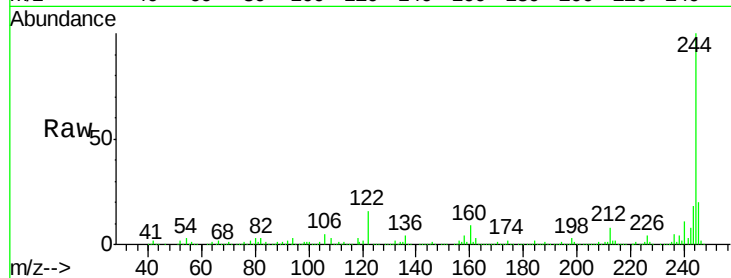
#78
 Terphenyl-d14
 Concen: 71.29 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	16.1	11.2	16.8

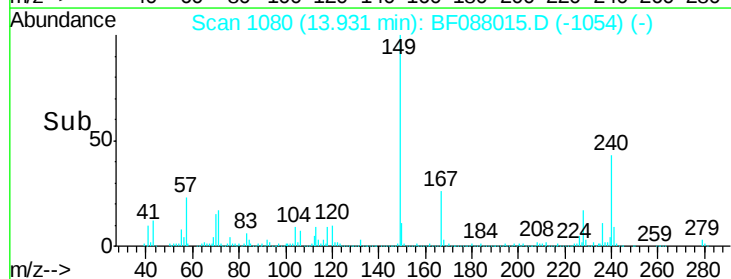
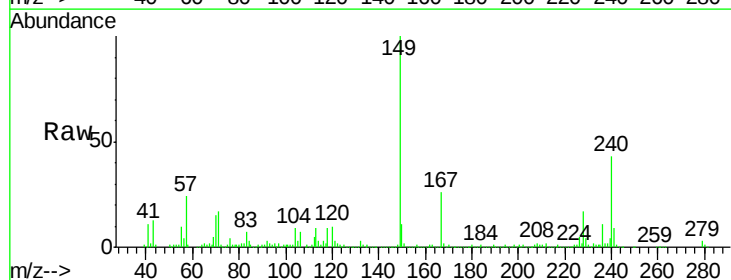
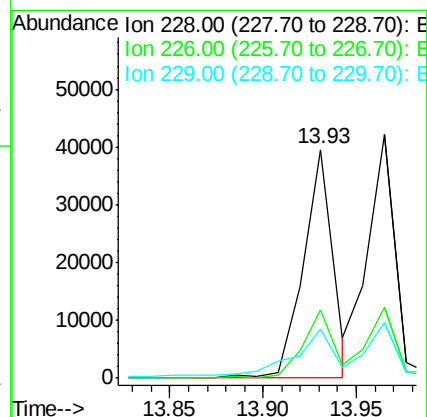
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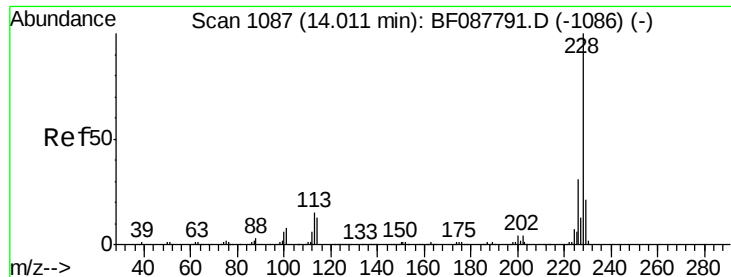
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#80
 Benzo(a)anthracene
 Concen: 3.38 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	21.4	16.0	24.0





#82

Chrysene

Concen: 3.51 ng/mL

RT: 13.97 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

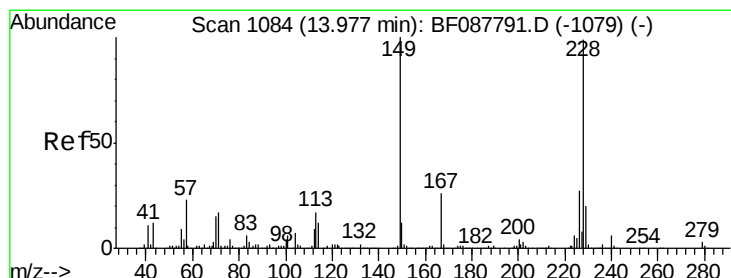
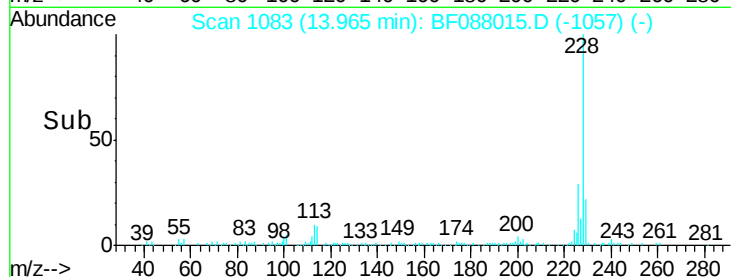
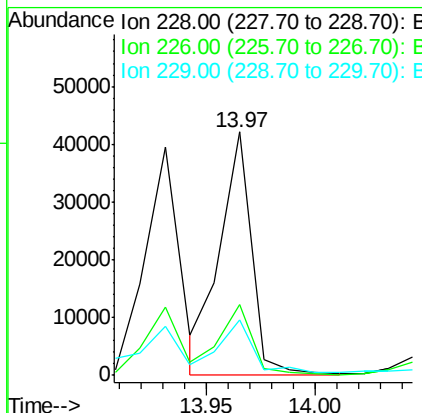
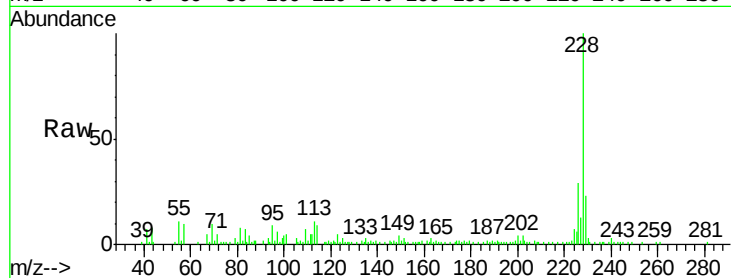
ClientSampleId :

S-14-WC-2

Tot Ion:	228	Resp:	42917
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.4	38.2
229	22.9	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 21.84 ng/mL

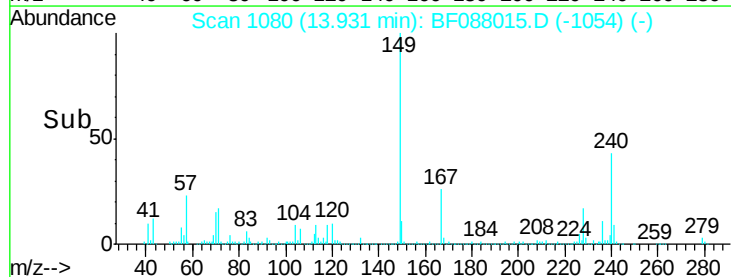
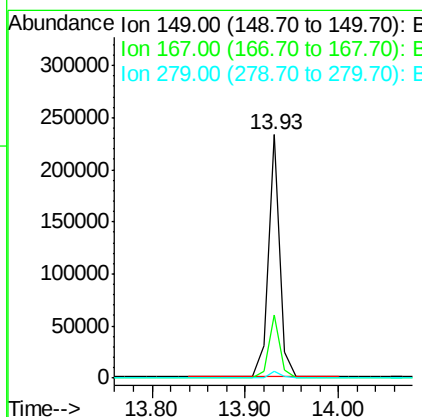
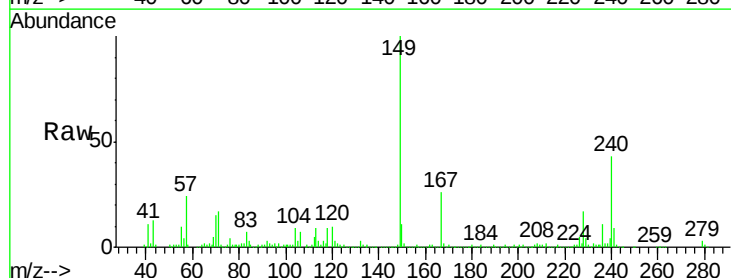
RT: 13.93 min Scan# 1080

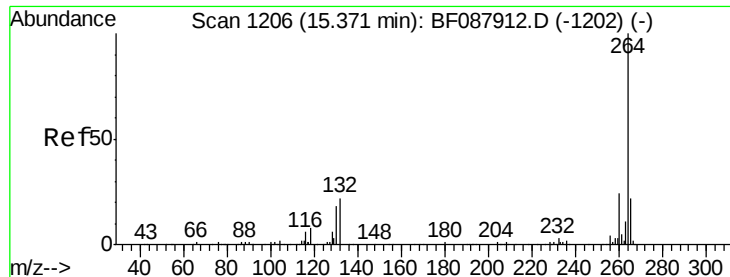
Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Tgt Ion:	149	Resp:	198982
Ion Ratio	Lower	Upper	
149	100		
167	26.0	20.5	30.7
279	2.8	2.0	3.0





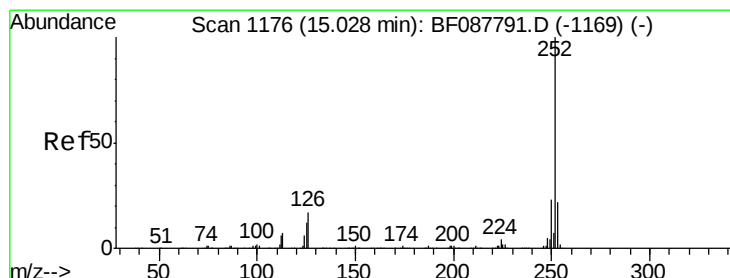
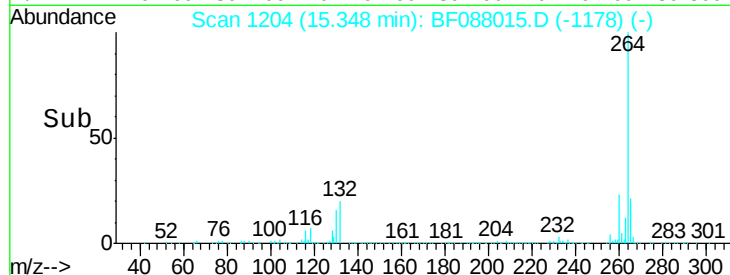
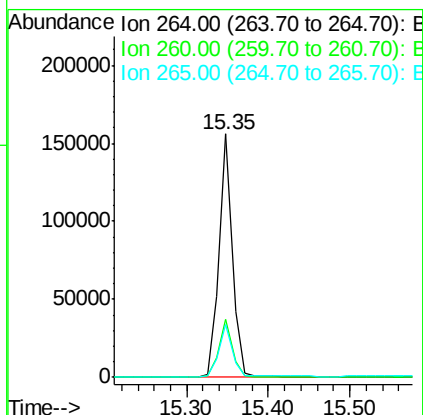
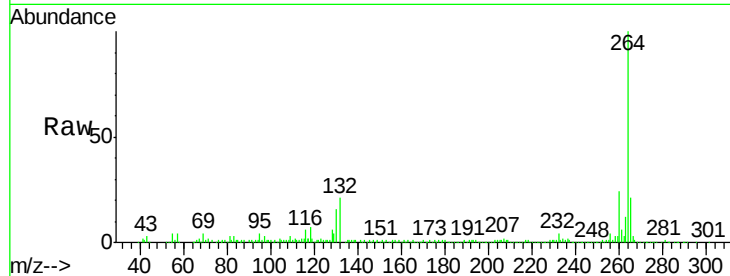
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	16.9	25.3

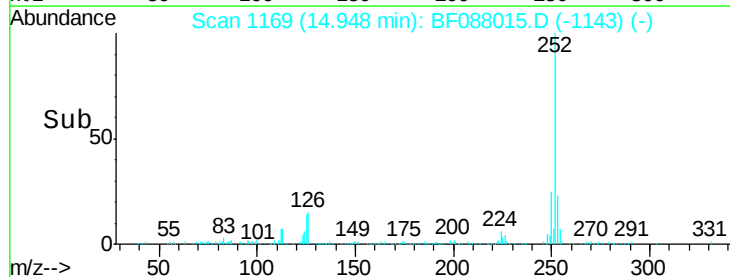
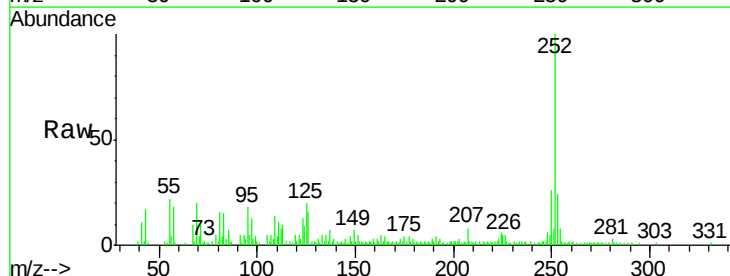
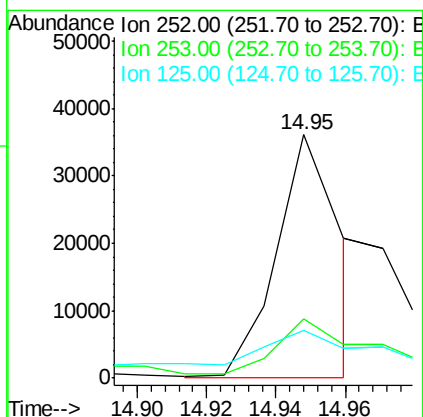
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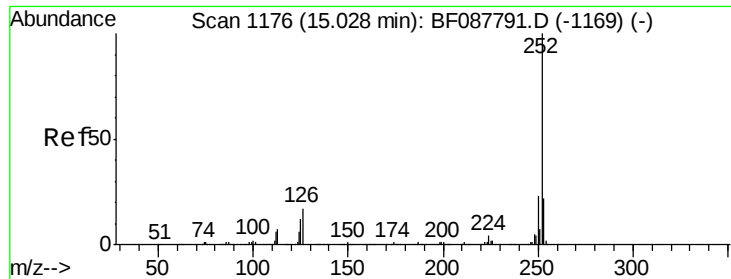
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#87
Benzo(b)fluoranthene
Concen: 3.72 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	19.6	7.1	10.7#





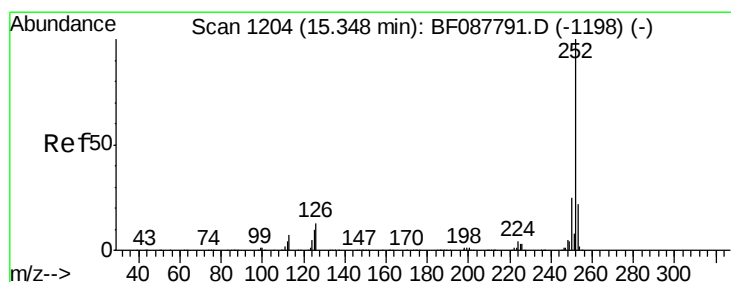
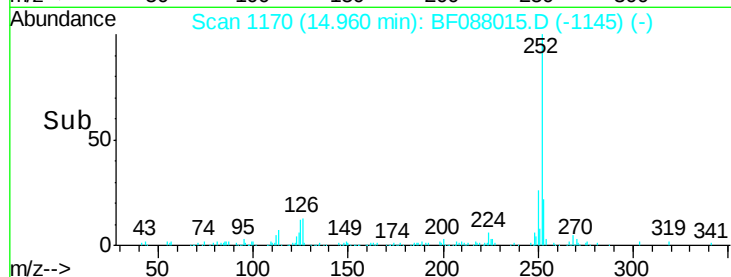
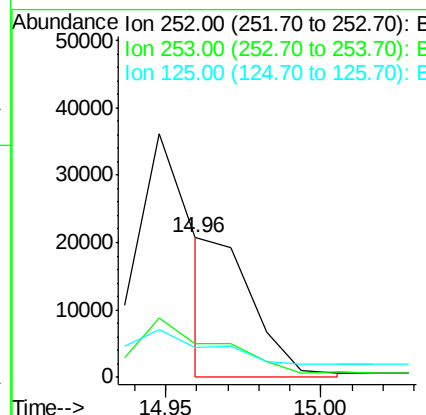
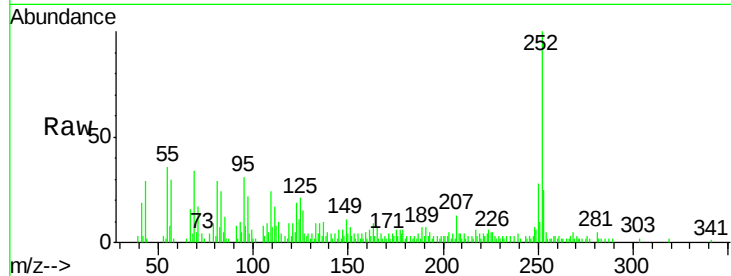
#88
Benzo(k)fluoranthene
Concen: 2.01 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	21.0	11.2	16.8

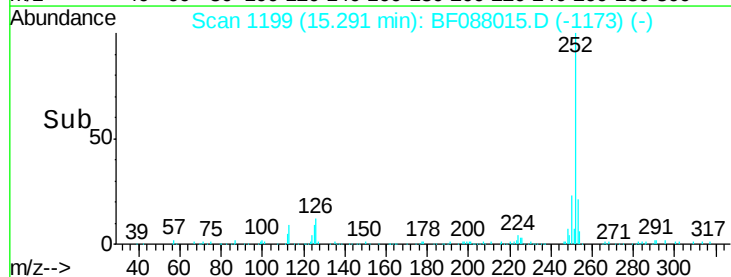
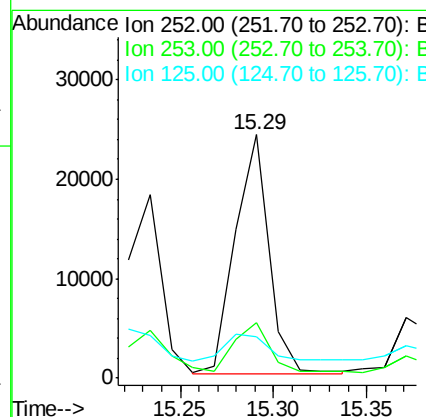
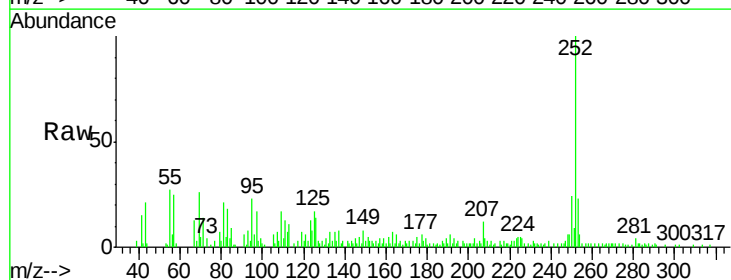
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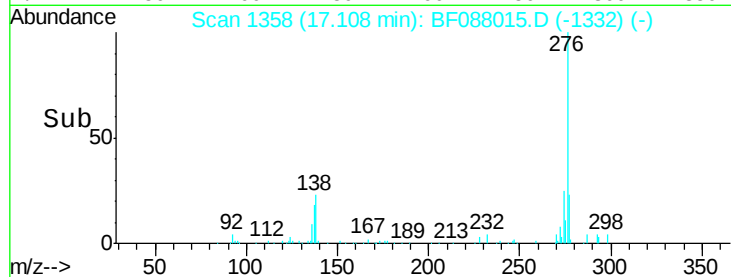
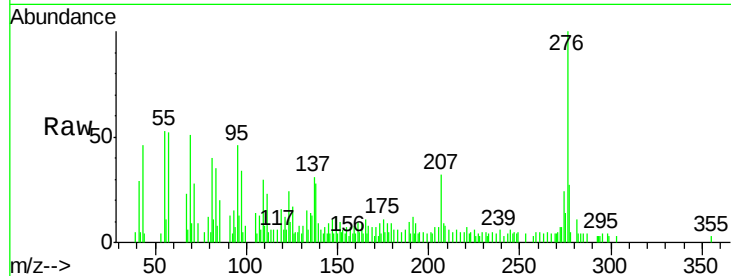
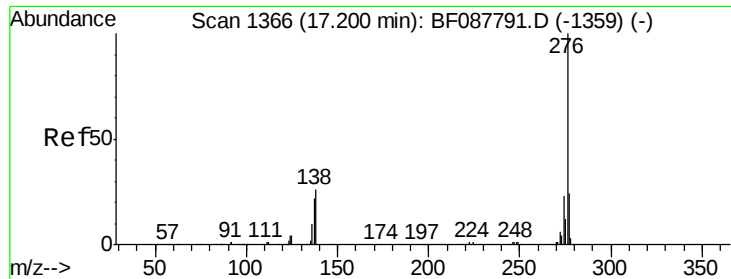
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#89
Benzo(a)pyrene
Concen: 3.03 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	16.8	12.5	18.7





#91

Benzo(a,h,i)perylene

Concen: 2.14 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

Tot Ion:	276	Resp:	20684
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.9	28.3
138	27.7	21.4	32.2

Manual Integrations
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