

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
 Data File : BF082071.D
 Acq On : 6 Oct 2015 4:31
 Operator : UM/IZ
 Sample : G3891-18
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

Manual Integrations
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 10/6/2015 2:53:21 PM

Quant Time: Oct 06 08:08:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	90045	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	335940	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	149386	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	238389	20.00	ng	0.00
75) Chrysene-d12	14.06	240	199893	20.00	ng	0.00
86) Perylene-d12	15.52	264	136200	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	510592	102.94	ng	0.01
7) Phenol-d6	6.53	99	750682	120.27	ng	0.01
23) Nitrobenzene-d5	7.45	82	390109	77.41	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	126750	83.78	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	803070	91.26	ng	0.01
78) Terphenyl-d14	13.01	244	612576	106.14	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.79	152	29576	2.04	ng	97
49) Dimethylphthalate	9.65	163	146952	14.25	ng	# 97
70) Phenanthrene	11.44	178	193454	15.78	ng	98
71) Anthracene	11.50	178	56884	4.69	ng	99
74) Fluoranthene	12.63	202	245748	19.24	ng	93
77) Pyrene	12.86	202	243784	20.41	ng	95
80) Benzo(a)anthracene	14.06	228	115479m	10.73	ng	
82) Chrysene	14.09	228	110733	9.01	ng	94
85) Indeno(1,2,3-cd)pyrene	16.95	276	35676	4.24	ng	# 77
87) Benzo(b)fluoranthene	15.10	252	94272m	12.12	ng	
88) Benzo(k)fluoranthene	15.11	252	41864m	5.87	ng	
89) Benzo(a)pyrene	15.45	252	64703	9.59	ng	# 89
91) Benzo(a,h,i)perylene	17.38	276	35761	6.17	ng	# 80

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

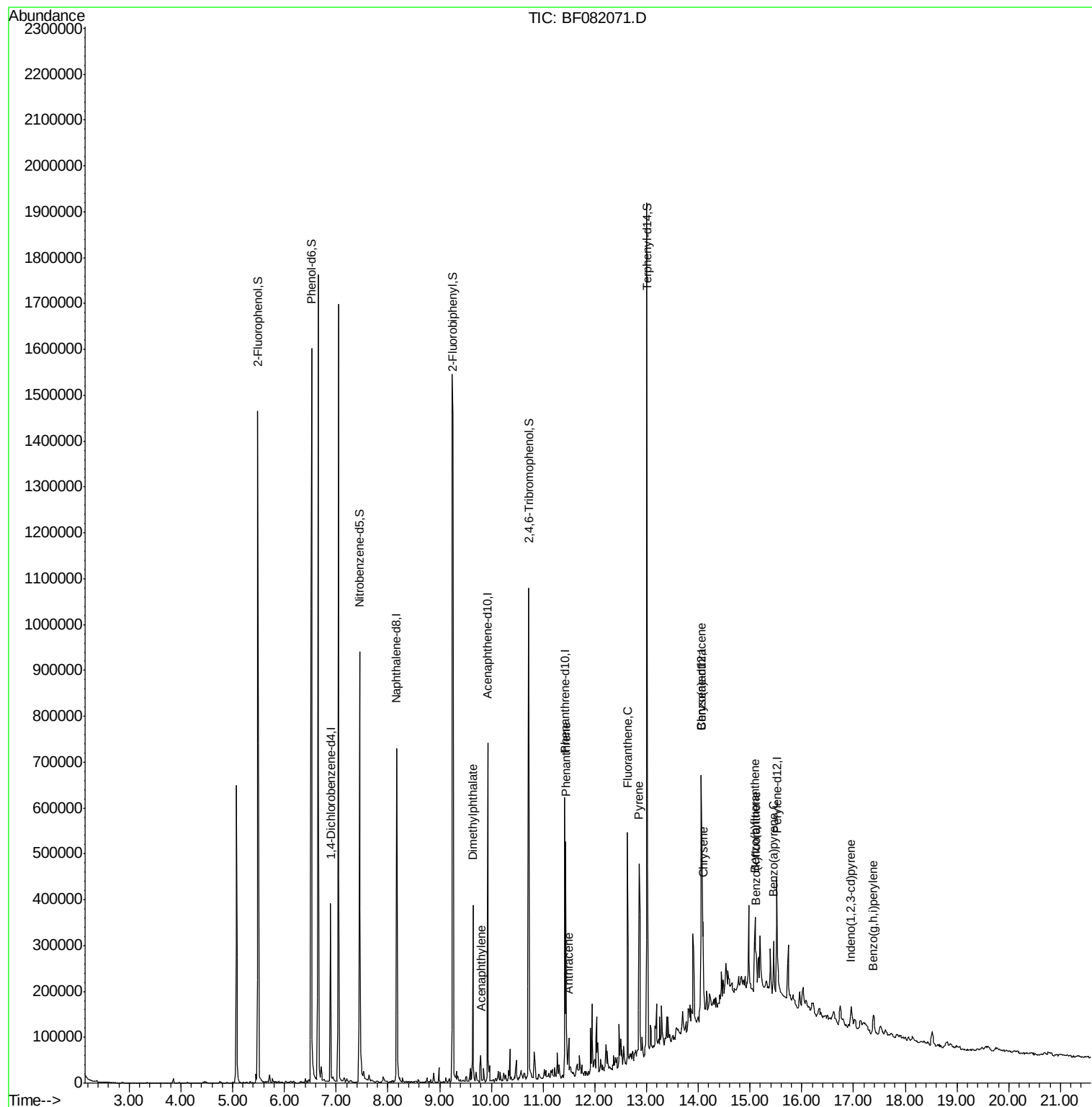
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082071.D
Acq On : 6 Oct 2015 4:31
Operator : UM/IZ
Sample : G3891-18
Misc :
ALS Vial : 28 Sample Multiplier: 1

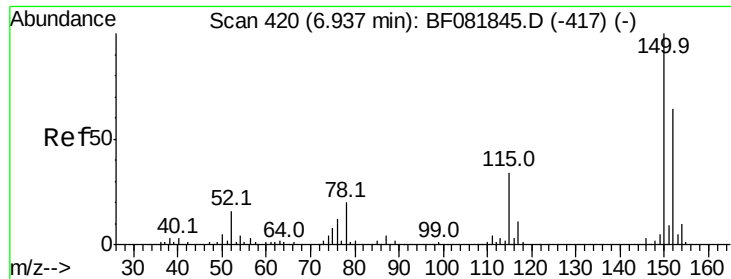
Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

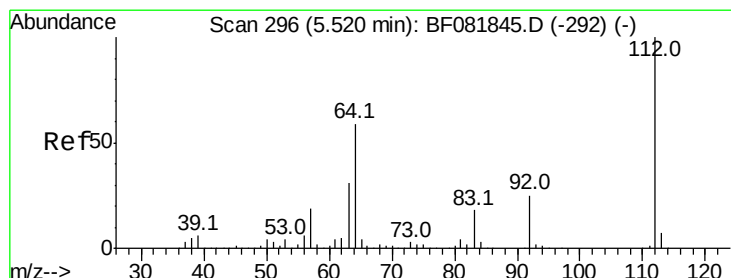
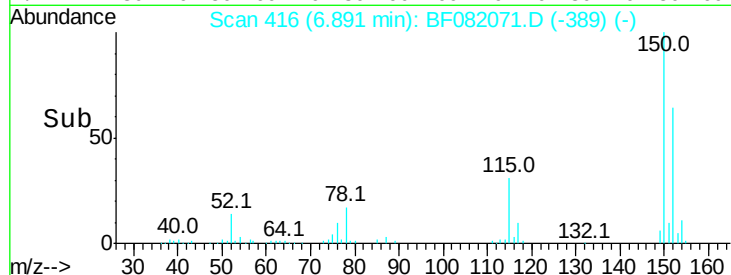
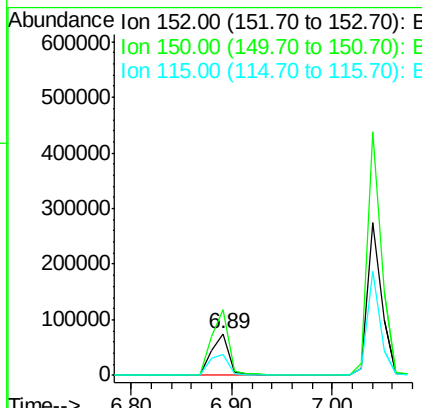
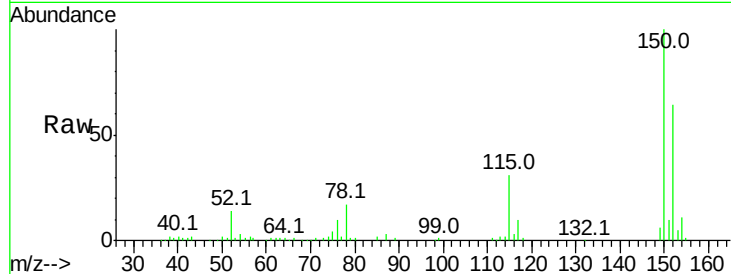
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. 0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.7	187.1
115	49.1	39.0	58.4

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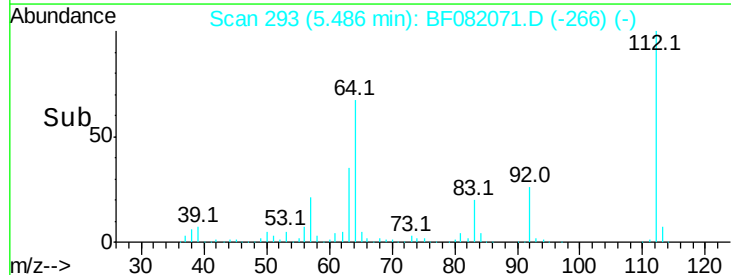
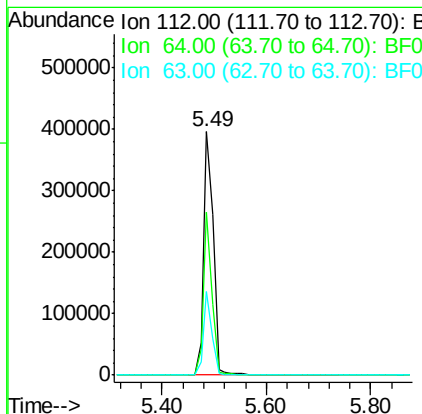
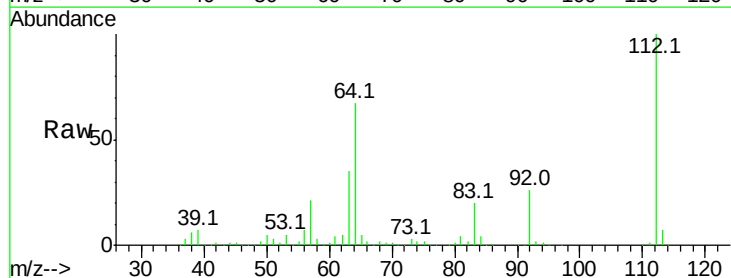
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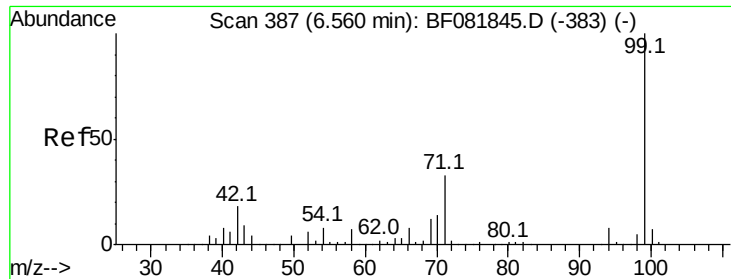


#5

2-Fluorophenol
Concen: 102.94 ng
RT: 5.49 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	39.7	59.5#
63	34.5	17.4	26.0#





#7

Phenol-d6

Concen: 120.27 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Instrument :

BNA_F

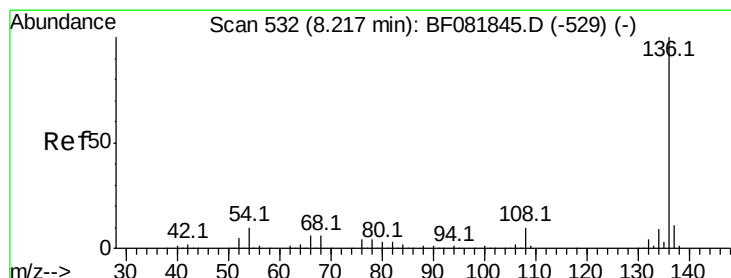
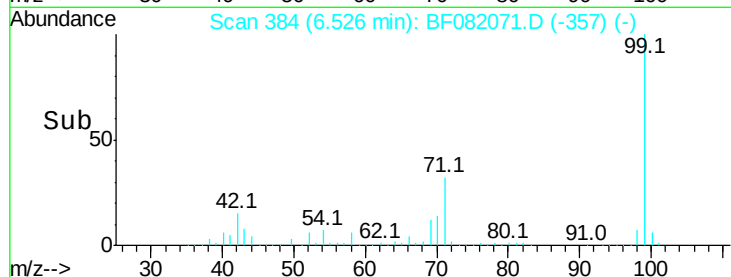
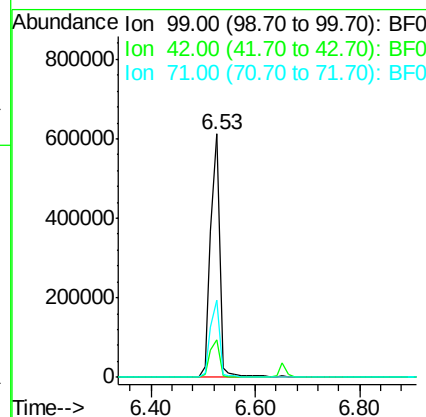
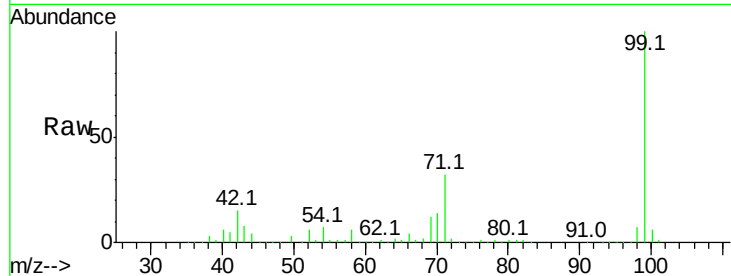
ClientSampleId :

SS-5(0-24)

Tot Ion:	99	Resp:	750682
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.7	20.5
71	31.5	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

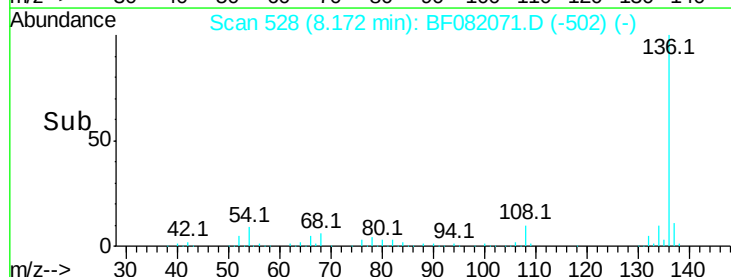
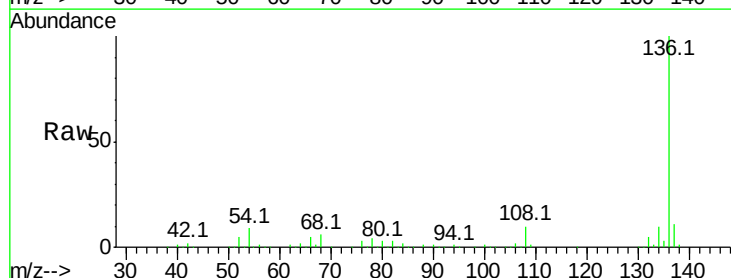
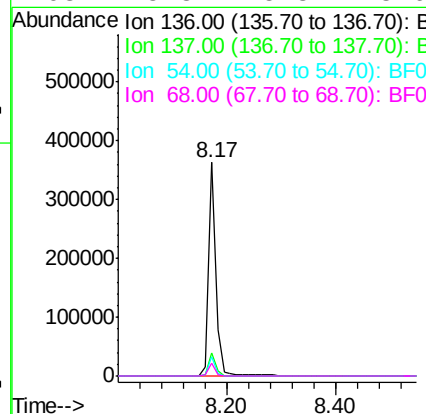
RT: 8.17 min Scan# 528

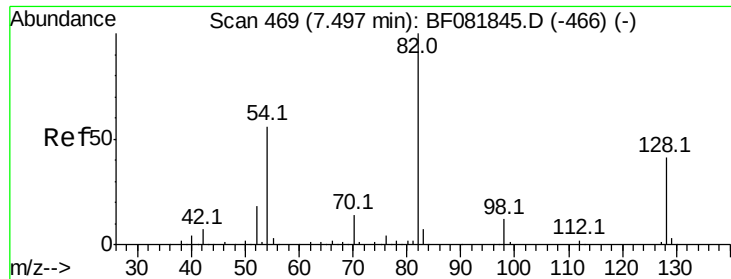
Delta R.T. -0.00 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Tgt Ion:	136	Resp:	335940
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.8	8.2	12.2
68	5.8	5.8	8.6#





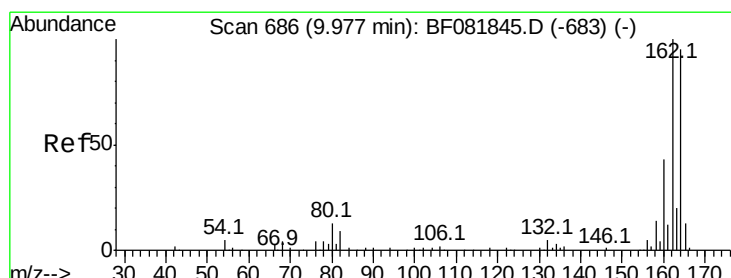
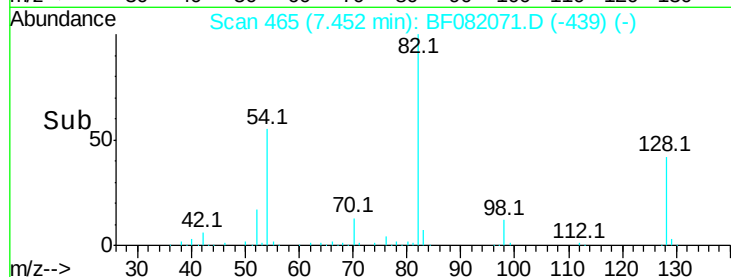
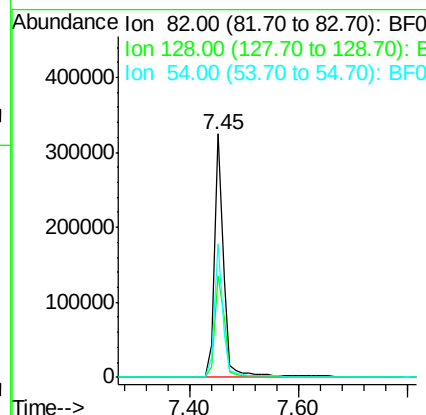
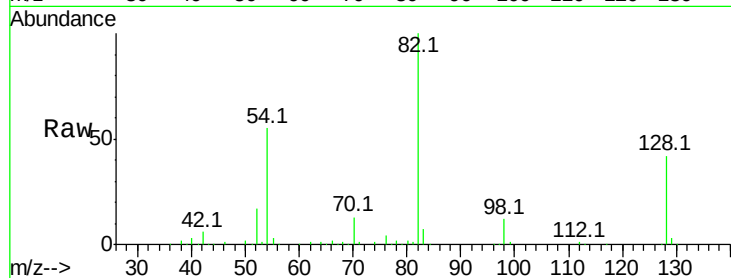
#23
 Nitrobenzene-d5
 Concen: 77.41 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

Tot Ion	82	Resp	390109
Ion Ratio	100	Lower	Upper
128	41.8	51.0	76.6#
54	54.7	47.5	71.3

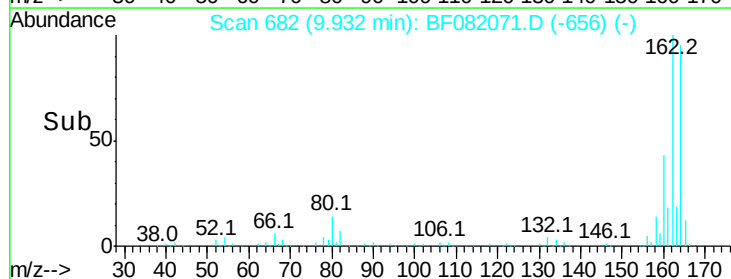
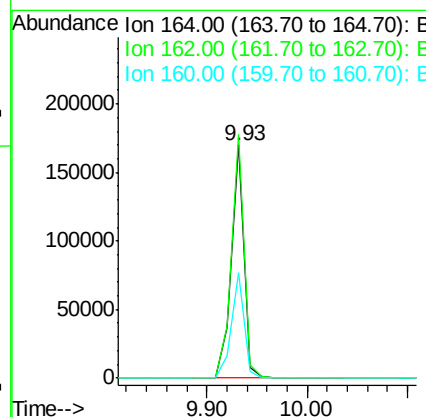
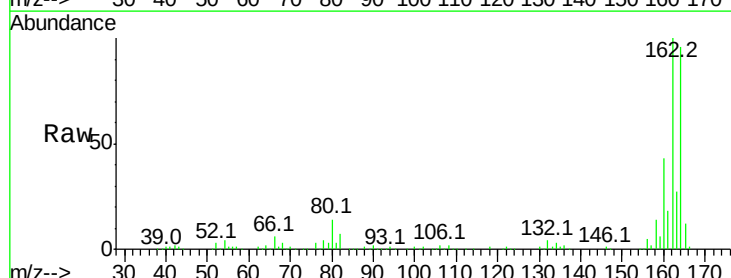
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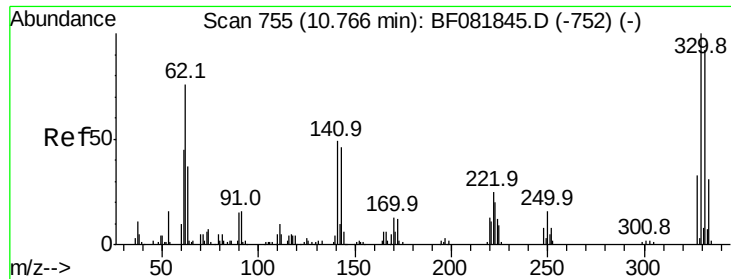
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Tgt Ion	164	Resp	149386
Ion Ratio	100	Lower	Upper
162	104.5	75.2	112.8
160	45.0	31.5	47.3





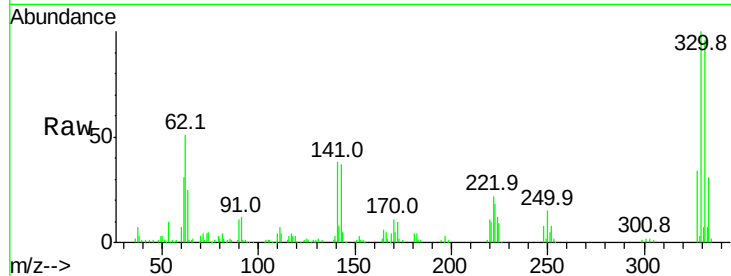
#41
 2,4,6-Tribromophenol
 Concen: 83.78 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

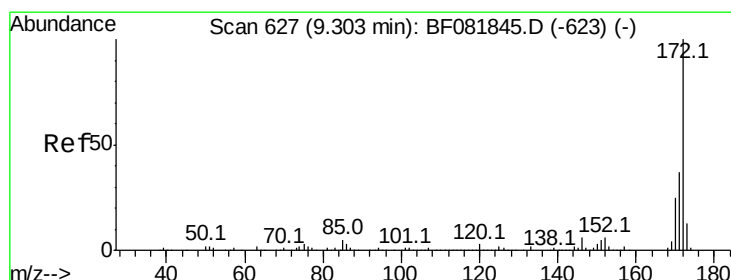
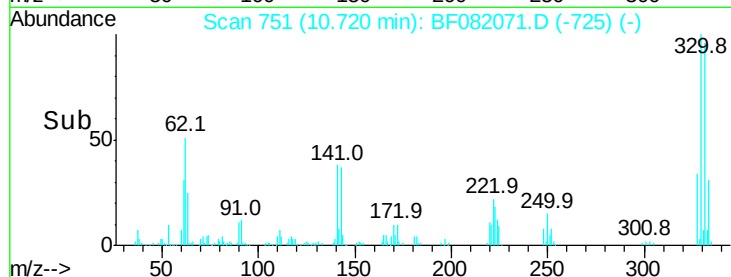
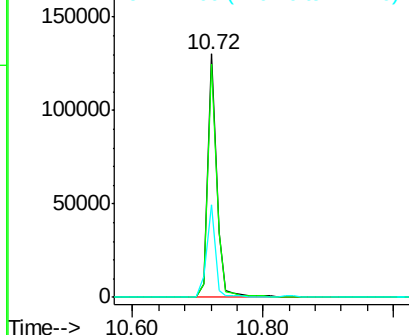
Tot Ion	Ratio	Resp	Lower	Upper
330	100	126750		
332	96.3	76.6	114.8	
141	37.4	29.7	44.5	

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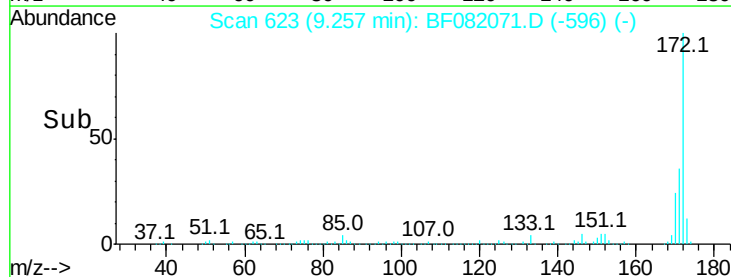
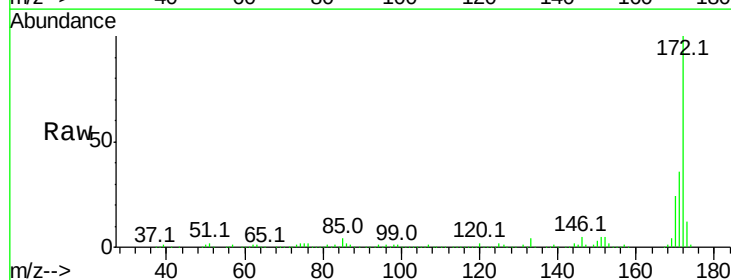
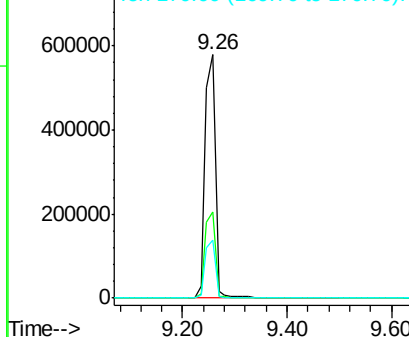
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

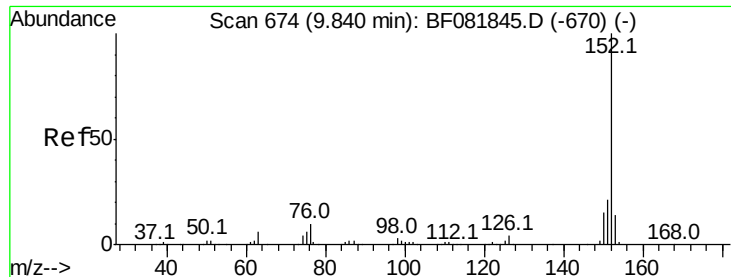


#44
 2-Fluorobiphenyl
 Concen: 91.26 ng
 RT: 9.26 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	803070		
171	35.6	26.1	39.1	
170	24.1	17.4	26.2	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.04 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Instrument :

BNA_F

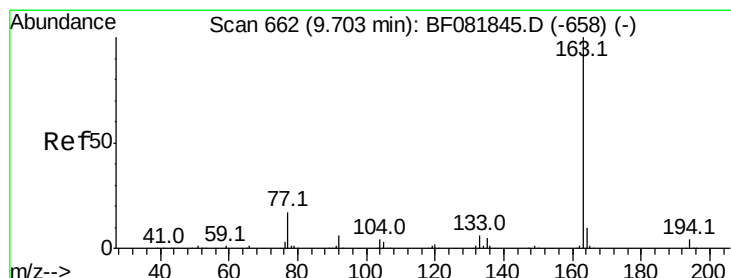
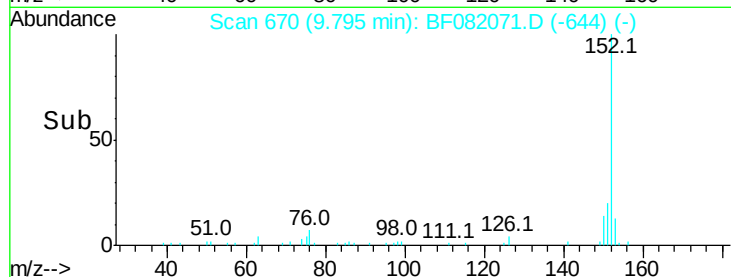
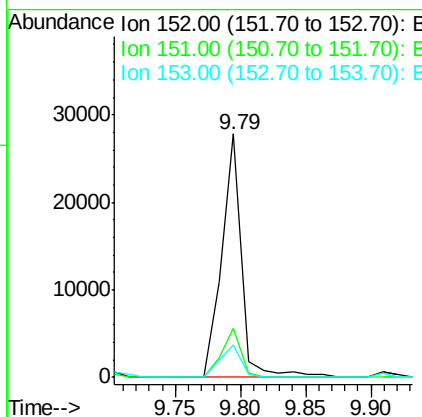
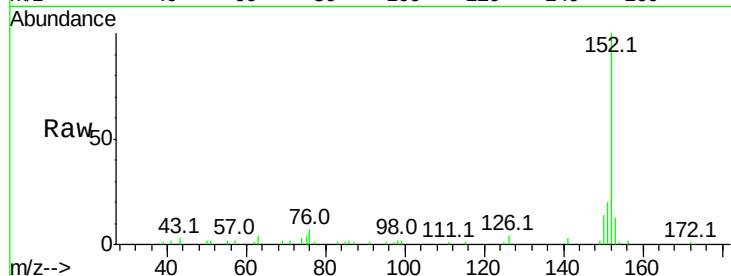
ClientSampleId :

SS-5(0-24)

Tot Ion:	152	Resp:	29576
Ion Ratio	Lower	Upper	
152	100		
151	20.0	14.6	22.0
153	13.2	10.3	15.5

Manual Integrations
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#49

Dimethylphthalate

Concen: 14.25 ng

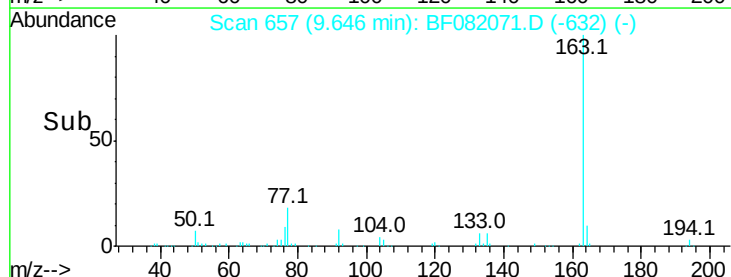
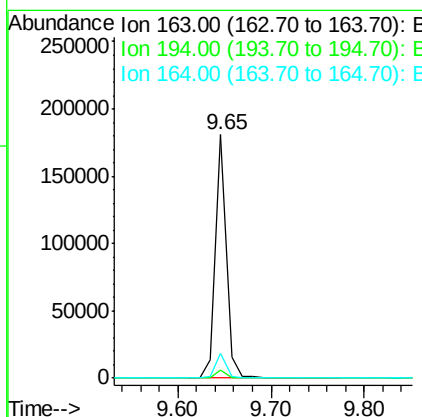
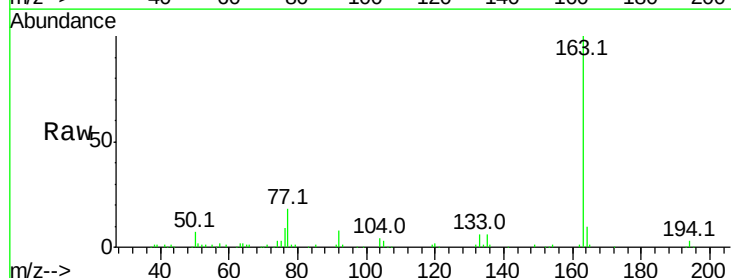
RT: 9.65 min Scan# 657

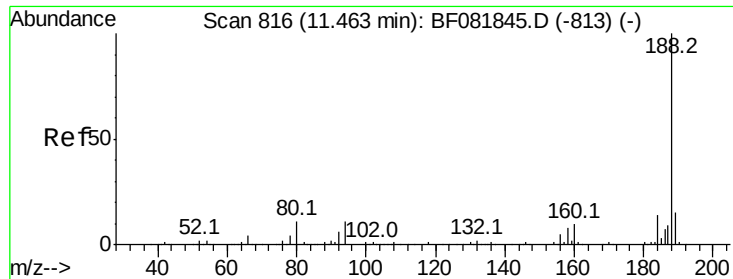
Delta R.T. -0.01 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Tgt Ion:	163	Resp:	146952
Ion Ratio	Lower	Upper	
163	100		
194	3.3	4.4	6.6#
164	10.2	8.3	12.5





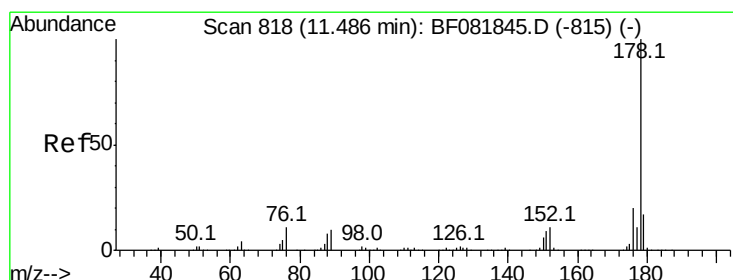
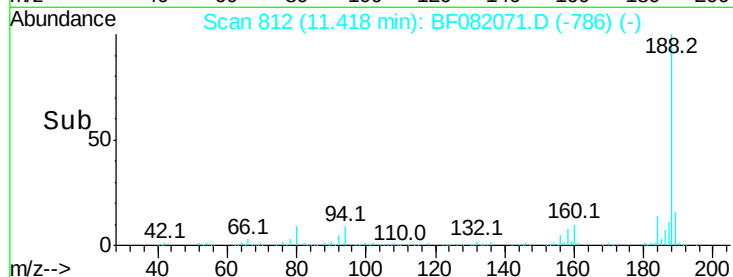
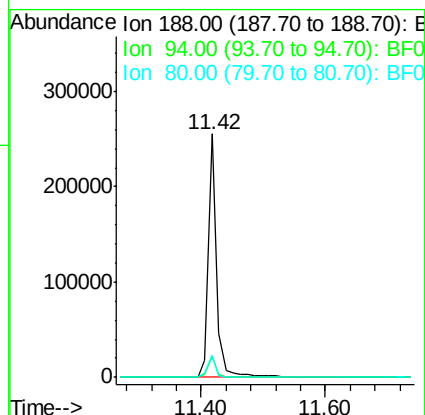
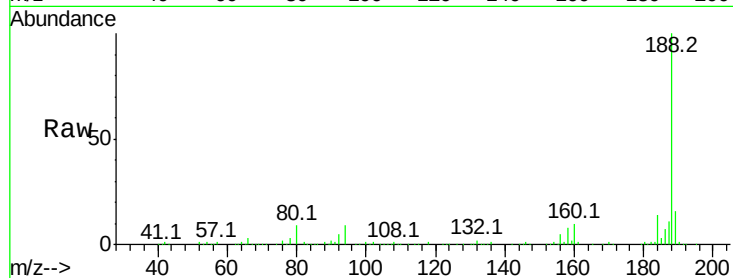
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	11.1	16.7#
80	8.9	11.0	16.4#

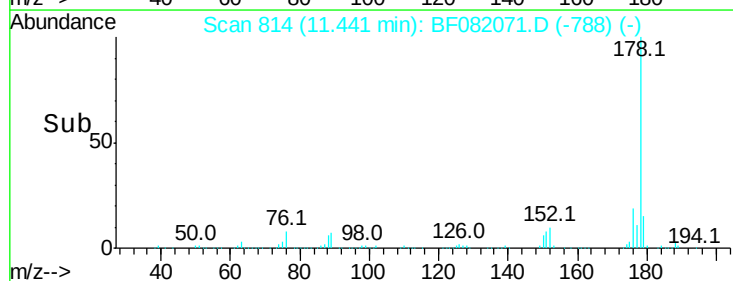
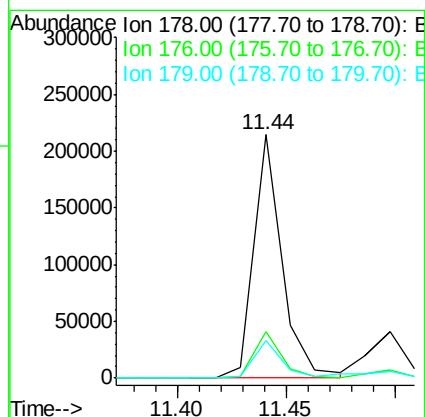
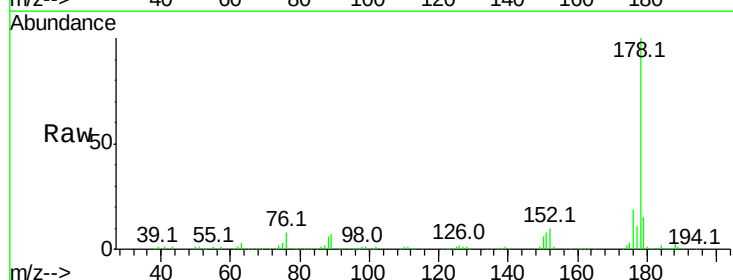
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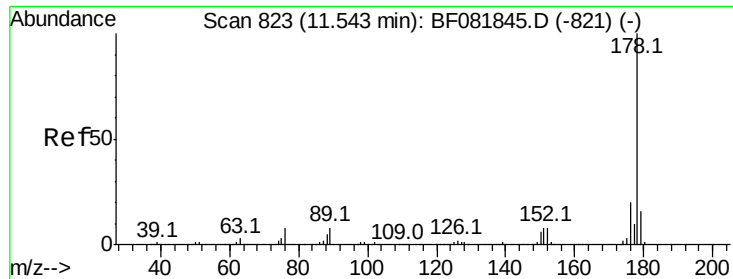
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#70
Phenanthrene
Concen: 15.78 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	13.8	20.8
179	15.2	12.2	18.2





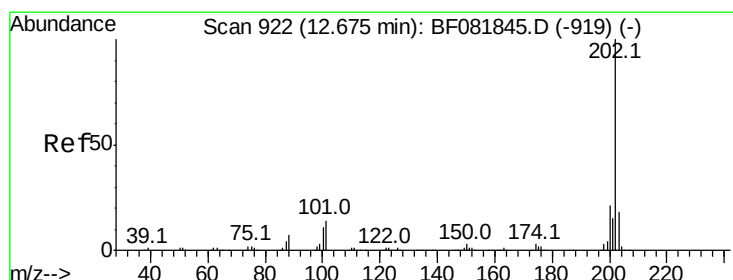
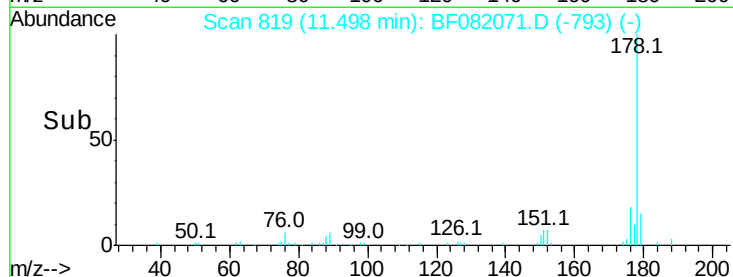
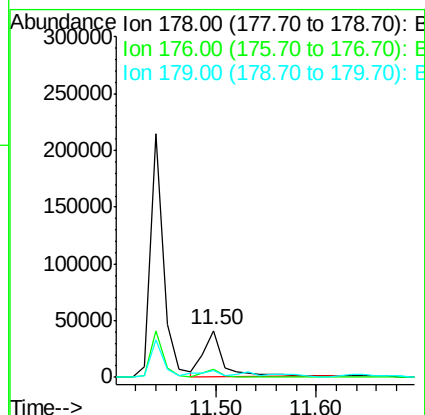
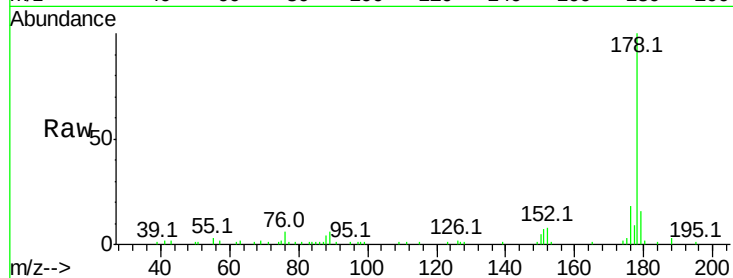
#71
 Anthracene
 Concen: 4.69 ng
 RT: 11.50 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.1	21.1
179	15.7	12.2	18.2

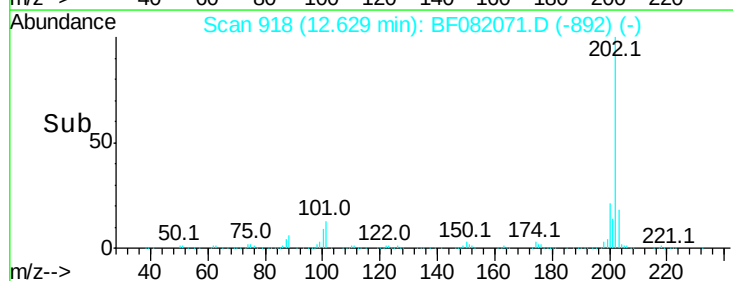
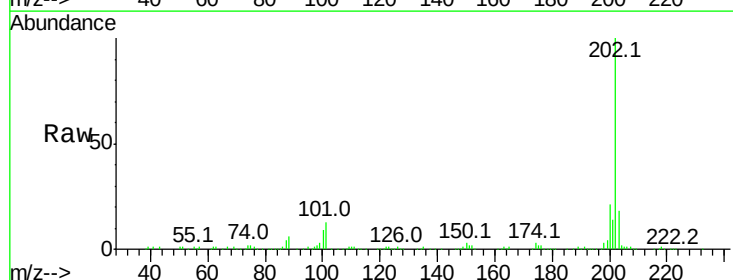
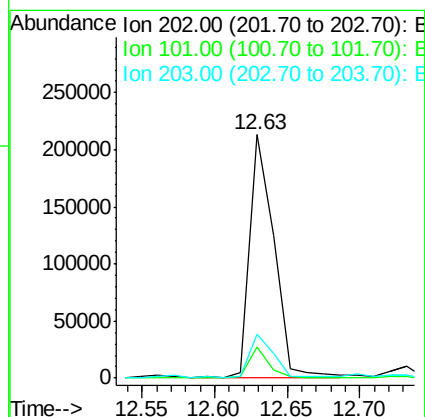
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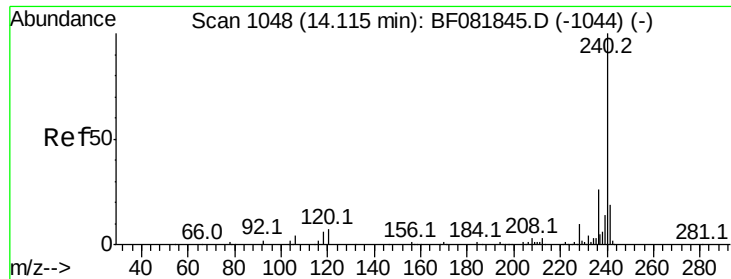
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#74
 Fluoranthene
 Concen: 19.24 ng
 RT: 12.63 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	38.3
203	17.8	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Instrument :

BNA_F

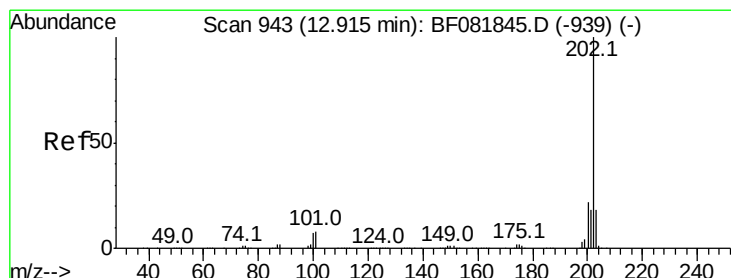
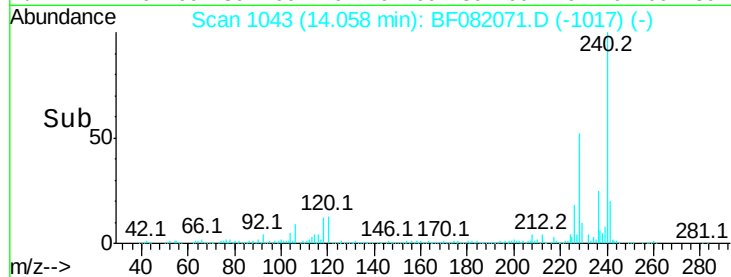
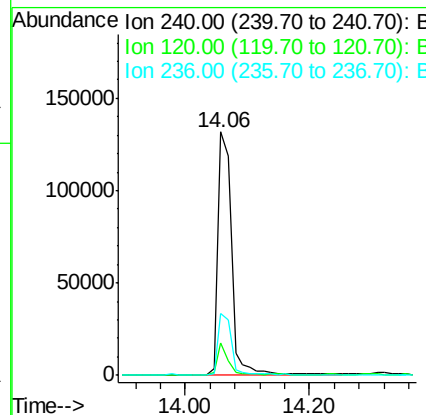
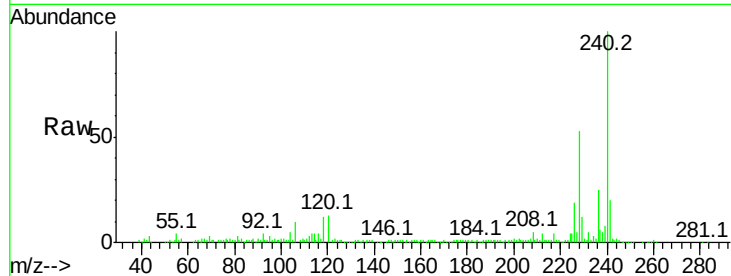
ClientSampleId :

SS-5(0-24)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	199893		
120	13.4	16.2	24.2#	
236	25.4	18.4	27.6	

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#77

Pyrene

Concen: 20.41 ng

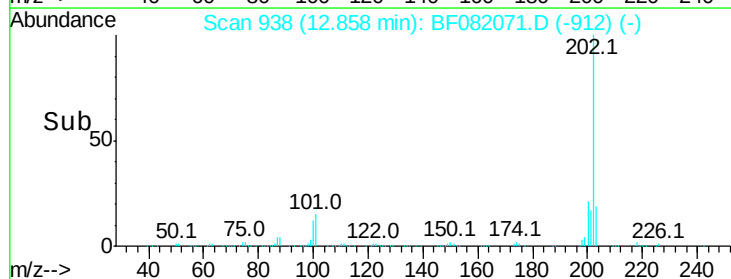
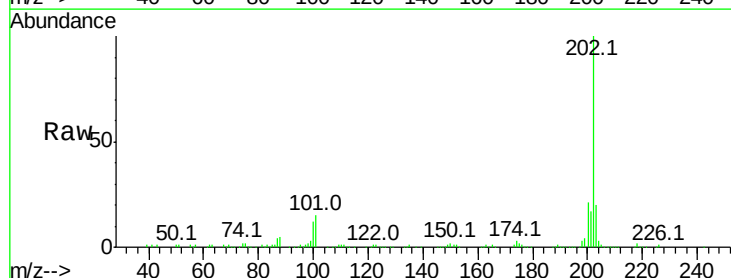
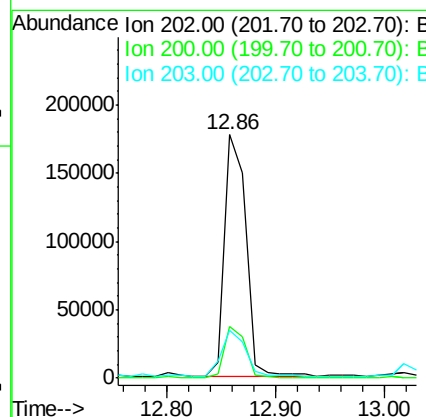
RT: 12.86 min Scan# 938

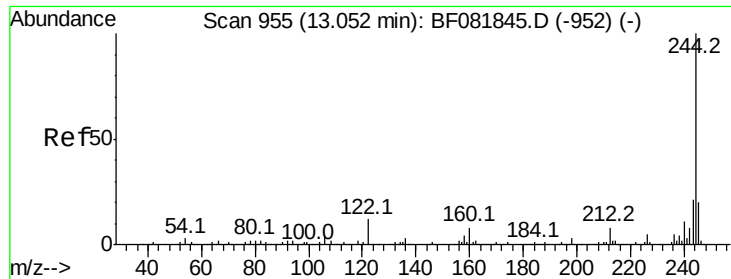
Delta R.T. -0.00 min

Lab File: BF082071.D

Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	243784		
200	21.2	15.0	22.4	
203	19.6	14.1	21.1	





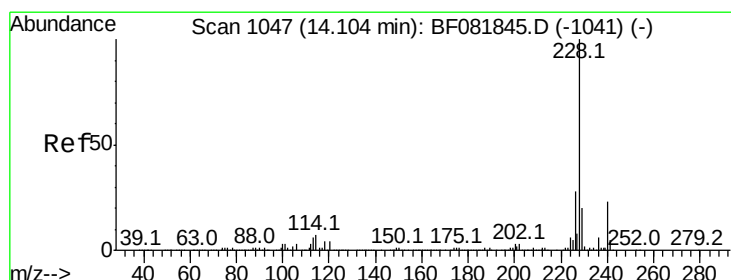
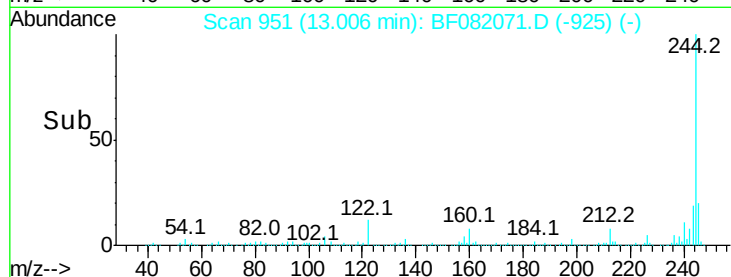
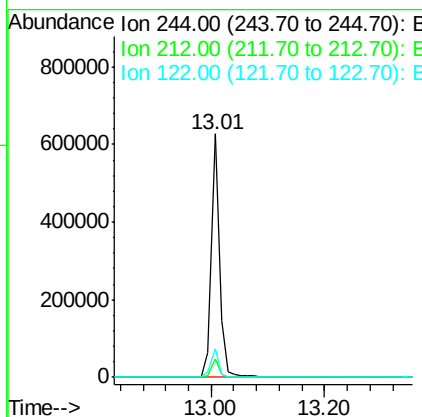
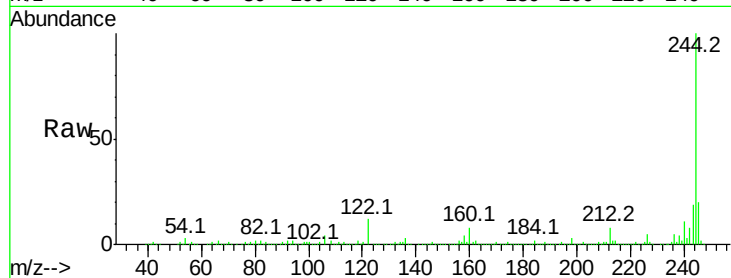
#78
 Terphenyl-d14
 Concen: 106.14 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	4.3	6.5#
122	11.9	17.4	26.2#

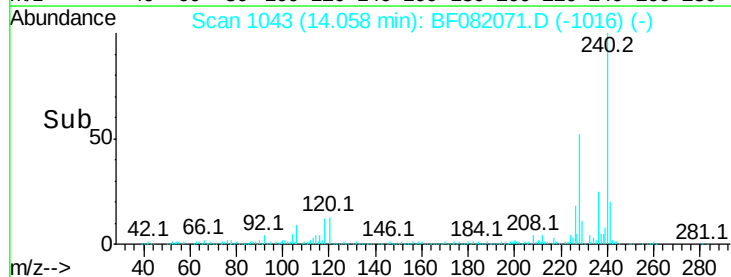
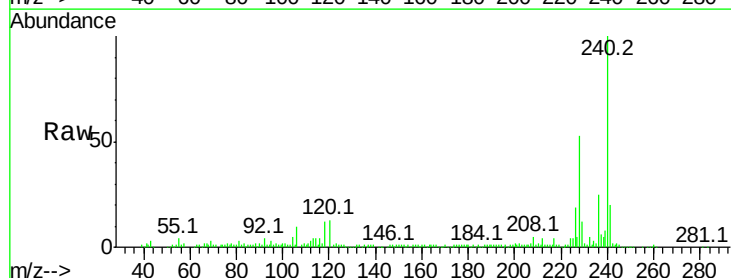
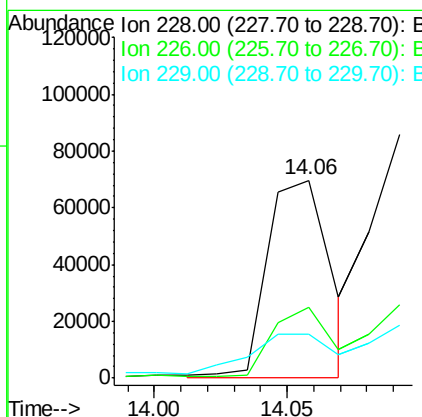
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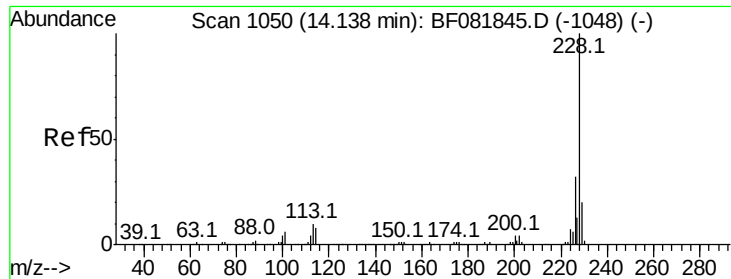
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#80
 Benzo(a)anthracene
 Concen: 10.73 ng m
 RT: 14.06 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	20.0	30.0#
229	22.2	15.4	23.2





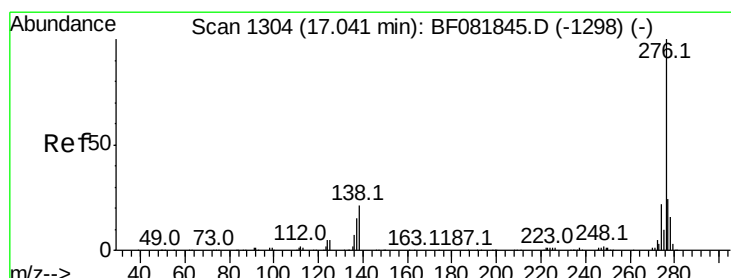
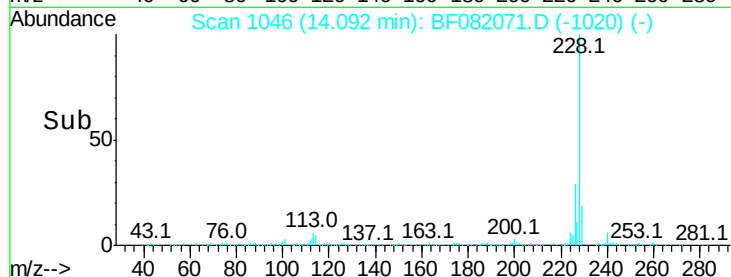
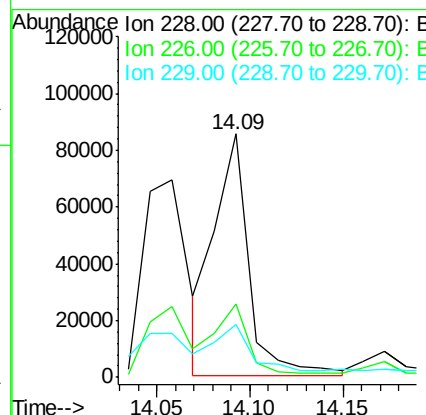
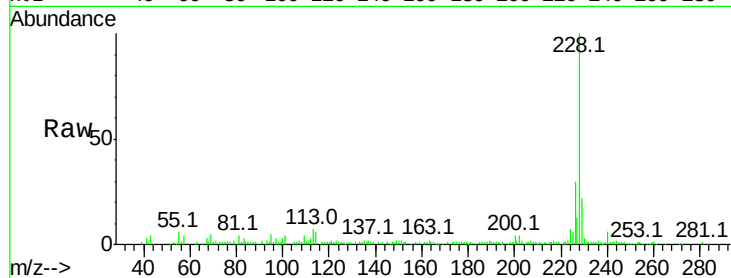
#82
Chrysene
Concen: 9.01 ng
RT: 14.09 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

Tot Ion:	228	Resp:	110733
Ion Ratio		Lower	Upper
228	100		
226	29.9	21.0	31.4
229	21.8	15.6	23.4

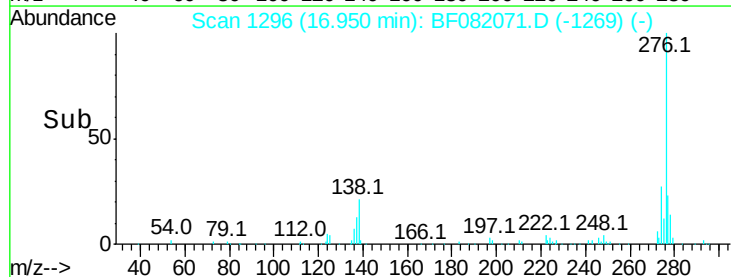
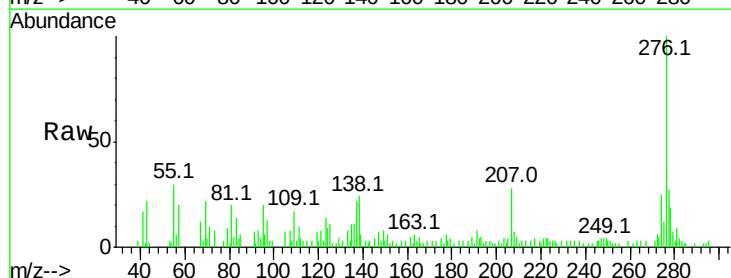
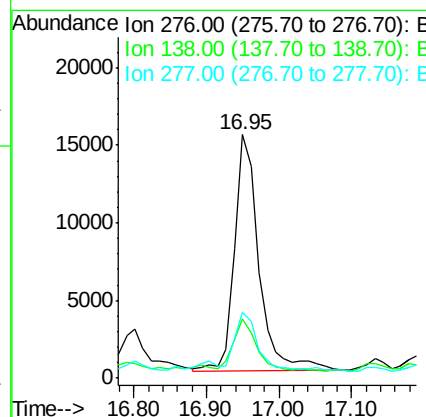
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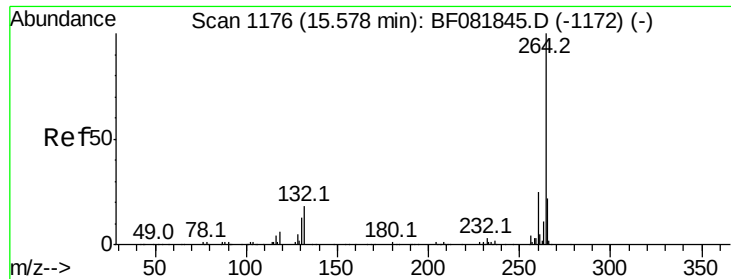
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.24 ng
RT: 16.95 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Tgt Ion:	276	Resp:	35676
Ion Ratio		Lower	Upper
276	100		
138	19.3	25.7	38.5#
277	30.4	15.6	23.4#





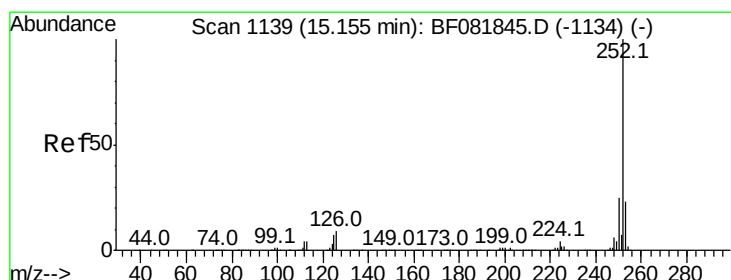
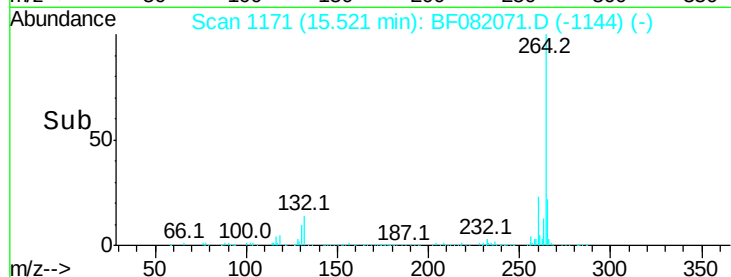
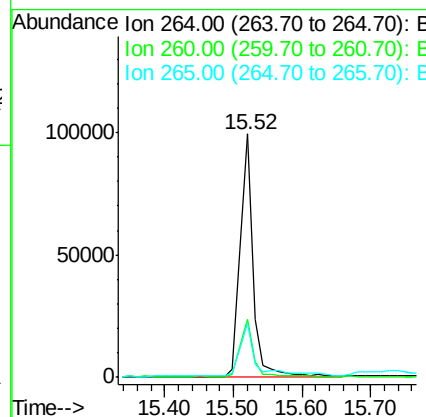
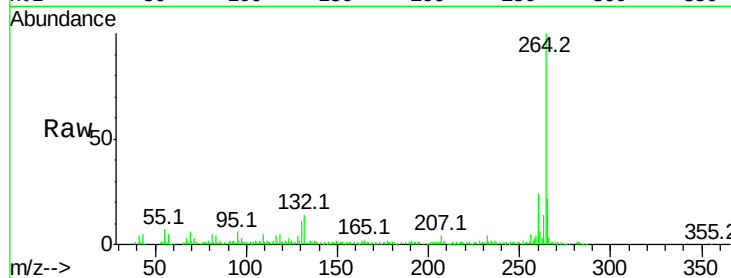
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	16.7	25.1	
265	22.2	17.2	25.8	

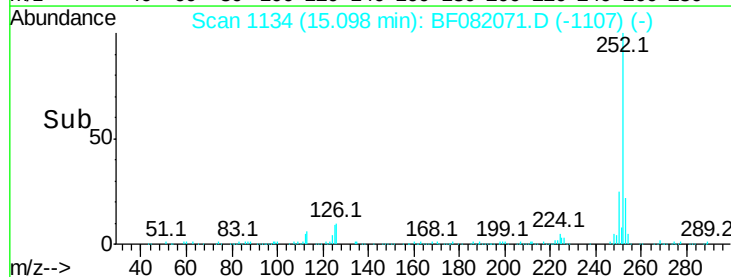
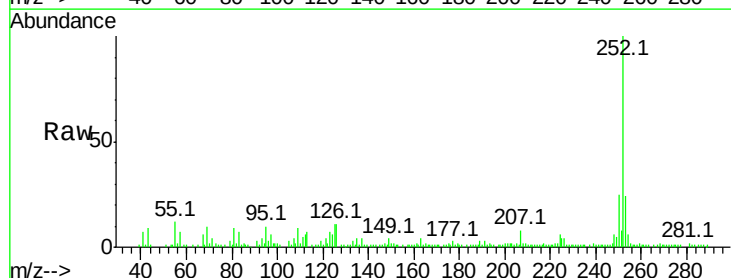
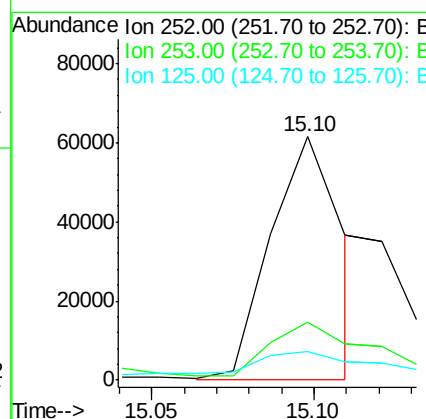
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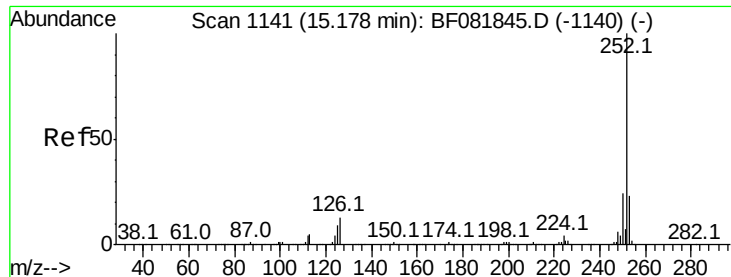
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#87
Benzo(b)fluoranthene
Concen: 12.12 ng m
RT: 15.10 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.6	17.5	26.3	
125	11.5	17.1	25.7#	





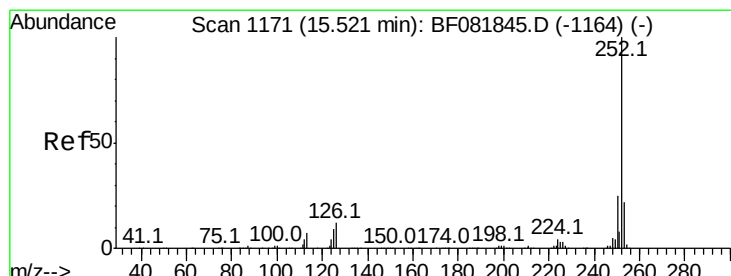
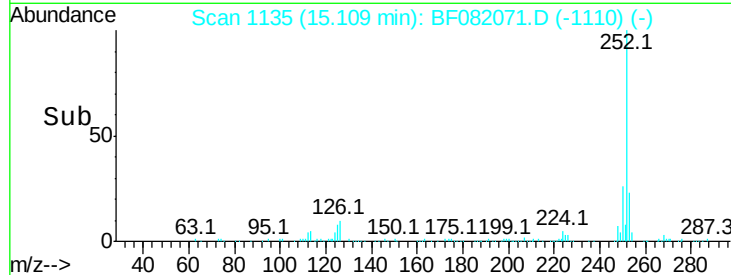
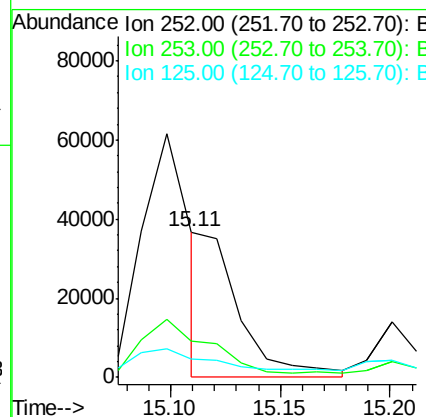
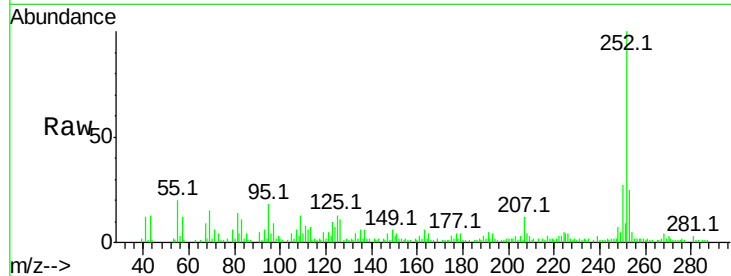
#88
Benzo(k)fluoranthene
Concen: 5.87 ng m
RT: 15.11 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Instrument :
BNA_F
ClientSampleId :
SS-5(0-24)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.4
125	13.0	16.0	24.0

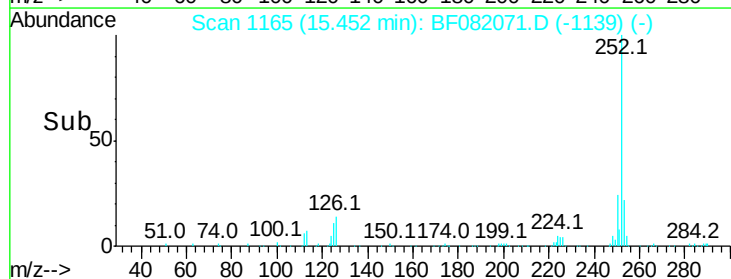
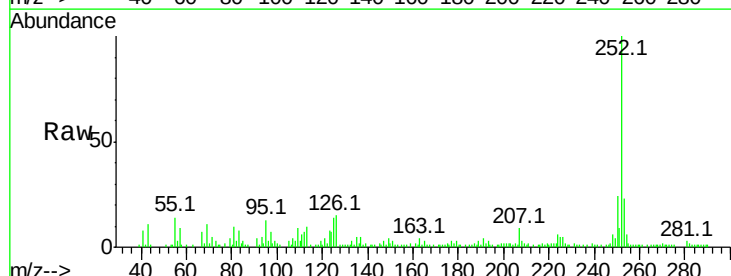
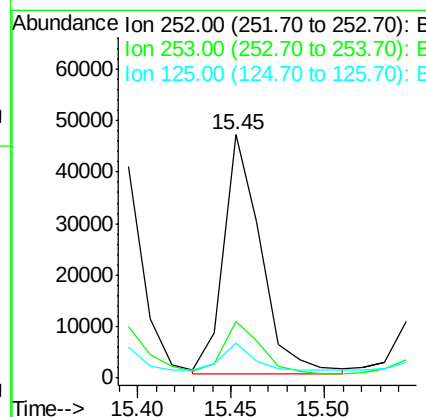
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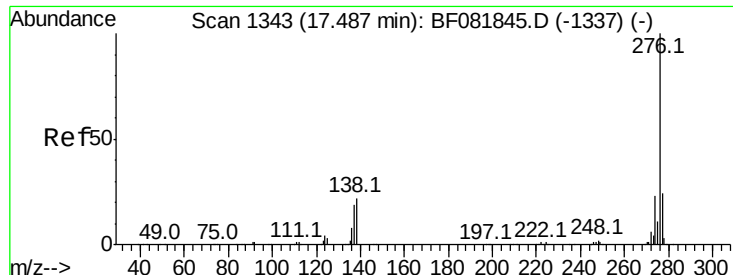
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#89
Benzo(a)pyrene
Concen: 9.59 ng
RT: 15.45 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF082071.D
Acq: 6 Oct 2015 4:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	14.3	18.0	27.0





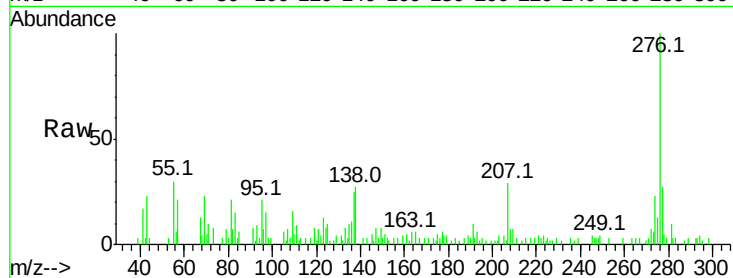
#91
 Benzo(a,h,i)perylene
 Concen: 6.17 ng
 RT: 17.38 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF082071.D
 Acq: 6 Oct 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SS-5(0-24)

Tot Ion:	276	Resp:	35761
Ion Ratio	Lower	Upper	
276	100		
277	26.8	17.8	26.6#
138	27.2	34.6	51.8#

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

