

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088307.D
 Acq On : 24 Jun 2016 00:07
 Operator : UM/SJ
 Sample : H3682-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Manual Integrations
 APPROVED

Sohil
 6/24/2016 8:28:24 AM

Quant Time: Jun 24 02:31:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 01:47:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	79029m	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	309860	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	142096	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	249784	20.00	ng	0.00
75) Chrysene-d12	13.73	240	167902	20.00	ng	-0.01
86) Perylene-d12	15.10	264	153958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	466230	100.85	ng	0.00
7) Phenol-d6	6.27	99	619473	110.57	ng	-0.01
23) Nitrobenzene-d5	7.16	82	333868	62.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	140734	93.80	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	651279	71.10	ng	-0.01
78) Terphenyl-d14	12.69	244	497171	67.38	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.50	152	33583	2.30	ng	98
49) Dimethylphthalate	9.36	163	148699	14.45	ng	99
70) Phenanthrene	11.13	178	63064	4.81	ng	97
74) Fluoranthene	12.31	202	133189	9.63	ng	98
77) Pyrene	12.54	202	198001	15.89	ng	98
80) Benzo(a)anthracene	13.73	228	70186m	7.34	ng	
82) Chrysene	13.76	228	72049	8.00	ng	98
83) Bis(2-ethylhexyl)phthalate	13.73	149	19863	2.96	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.37	276	35321	4.22	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	77975m	7.27	ng	
88) Benzo(k)fluoranthene	14.74	252	26501m	3.27	ng	
89) Benzo(a)pyrene	15.04	252	61510	7.08	ng	# 95
91) Benzo(g,h,i)perylene	16.74	276	38000	4.58	ng	97

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

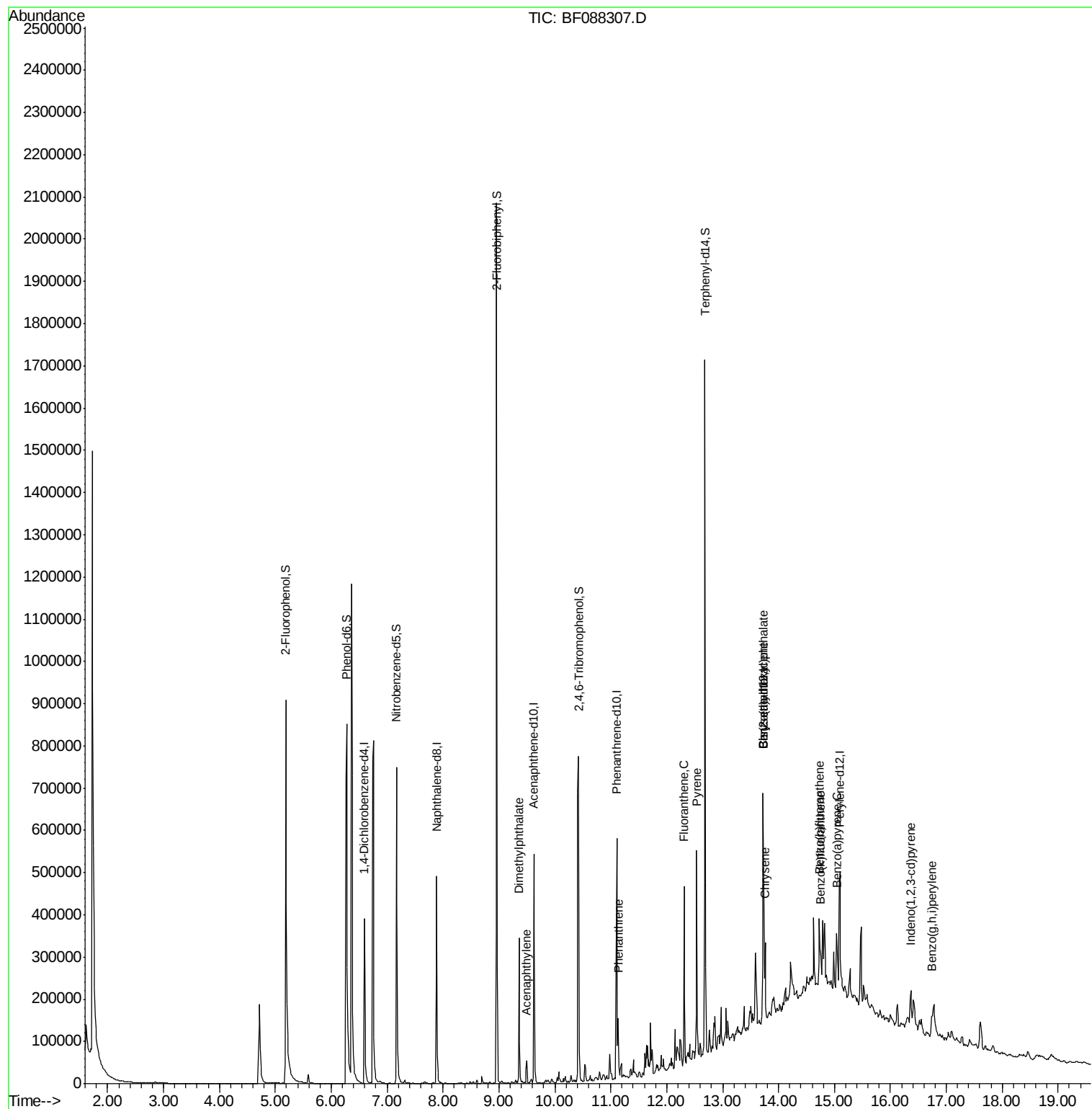
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
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ALS Vial : 15 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.59 min Scan# 438

Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

ClientSampleId :

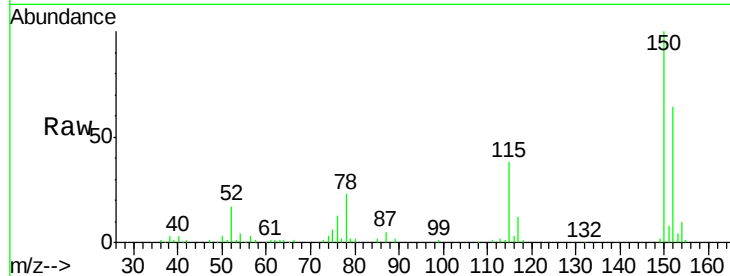
SB-1(0-6)

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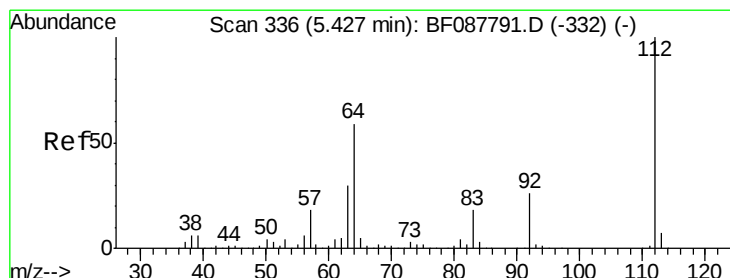
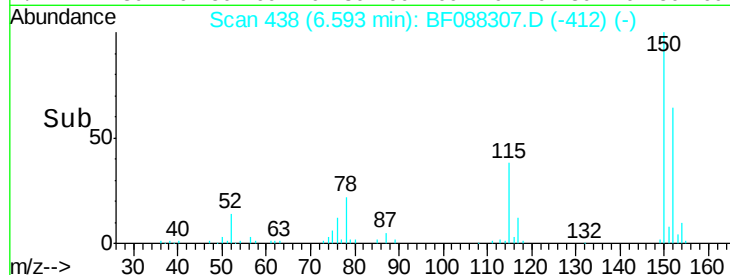
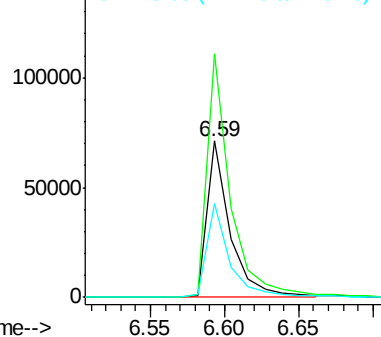
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Tgt Ion:	152	Resp:	79029
Ion Ratio	Lower	Upper	
152	100		
150	155.9	123.8	185.6
115	59.7	39.6	59.4#



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: 100.85 ng

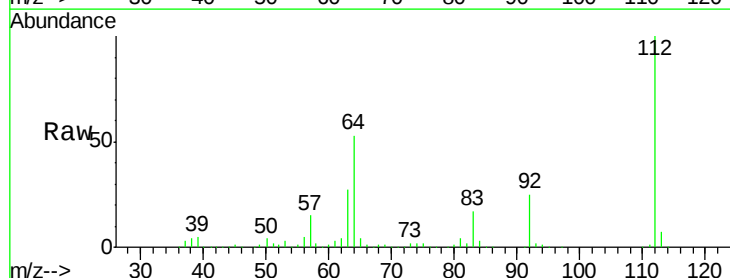
RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

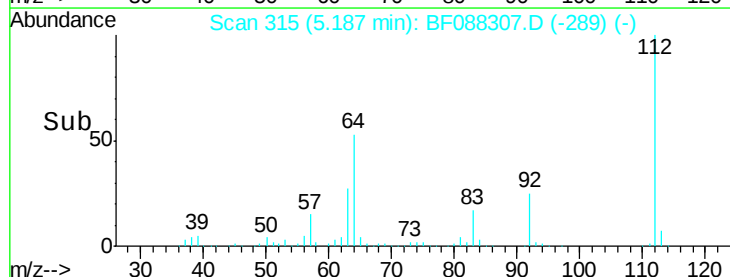
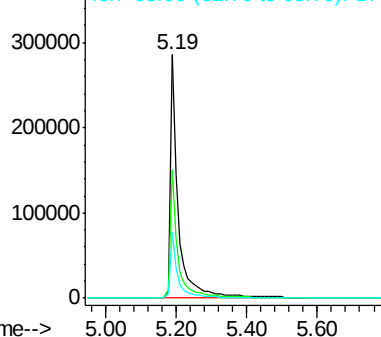
Lab File: BF088307.D

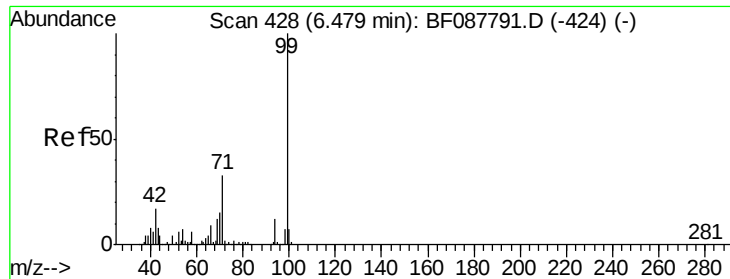
Acq: 24 Jun 2016 00:07

Tgt Ion:	112	Resp:	466230
Ion Ratio	Lower	Upper	
112	100		
64	52.7	42.2	63.2
63	26.8	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: 110.57 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF088307.D

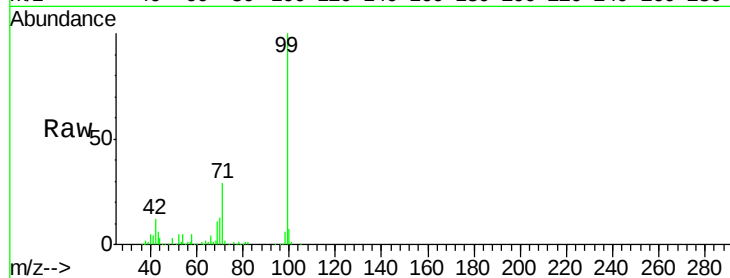
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Instrument :

BNA_F

ClientSampleId :

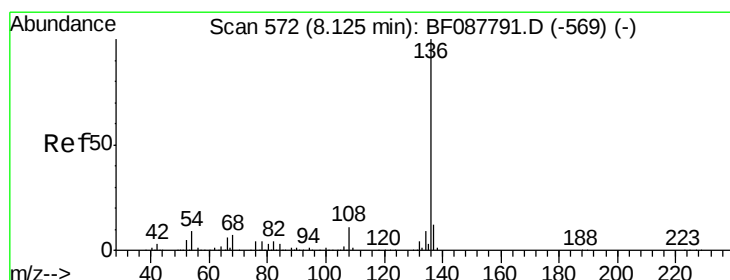
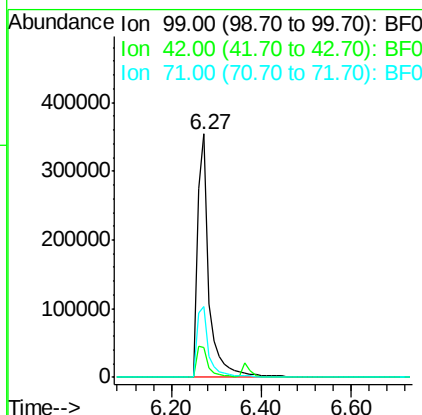
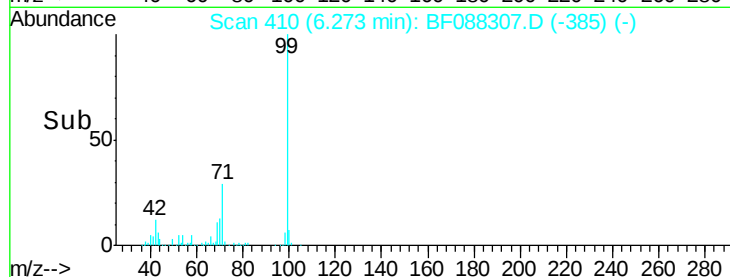
SB-1(0-6)



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	619473		
42	12.5		12.2	18.2
71	29.3		23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

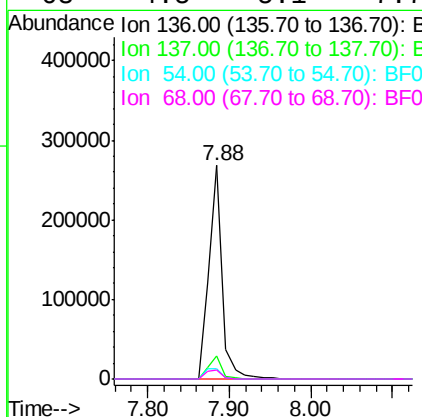
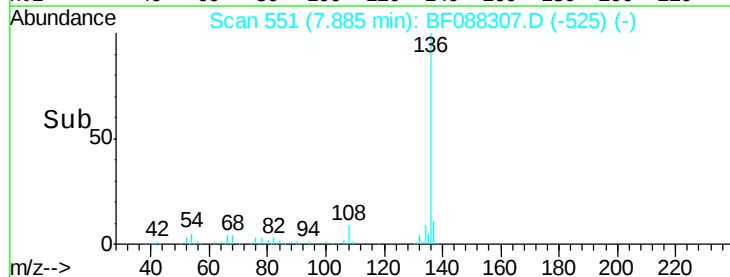
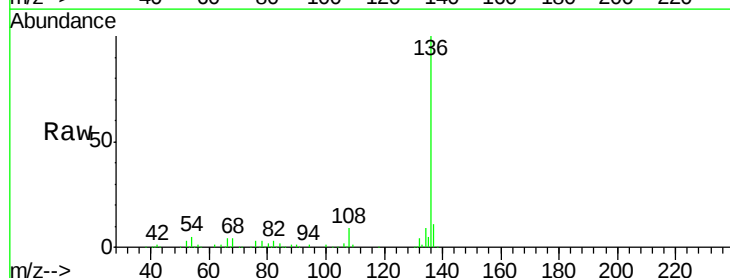
RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	309860		
137	10.6		9.1	13.7
54	5.1		6.6	10.0#
68	4.5		5.1	7.7#





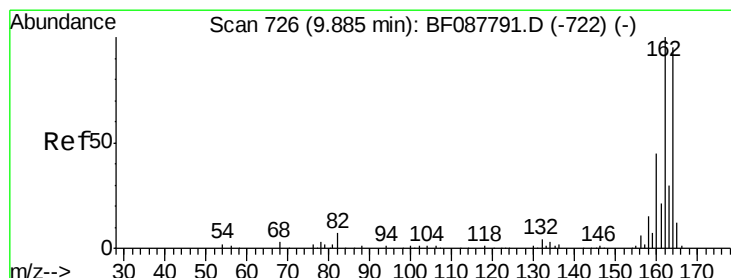
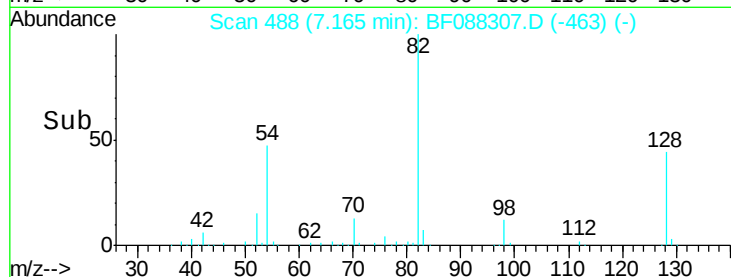
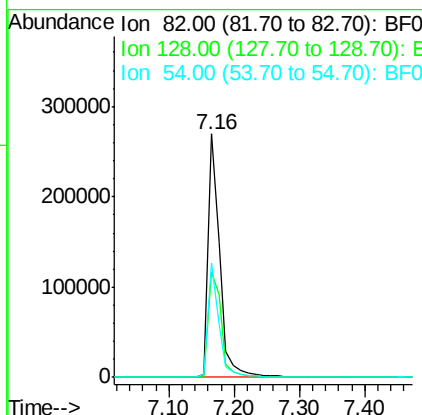
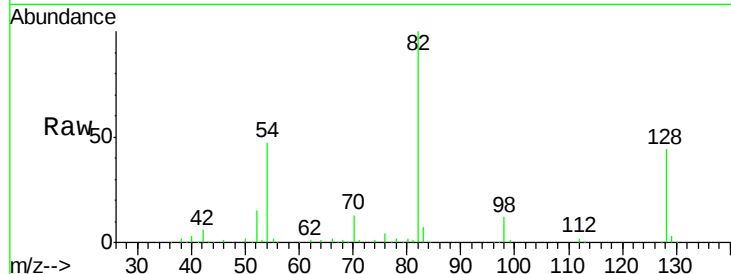
#23
 Nitrobenzene-d5
 Concen: 62.92 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	333868		
128	43.5	35.9	53.9	
54	47.2	40.9	61.3	

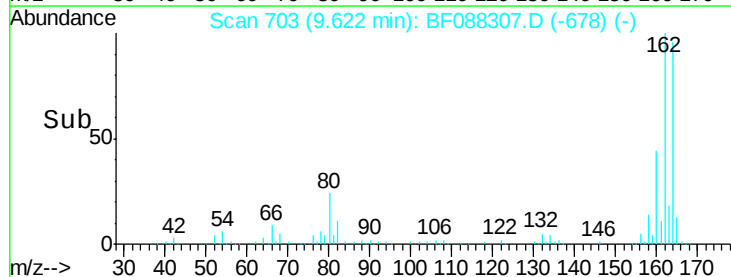
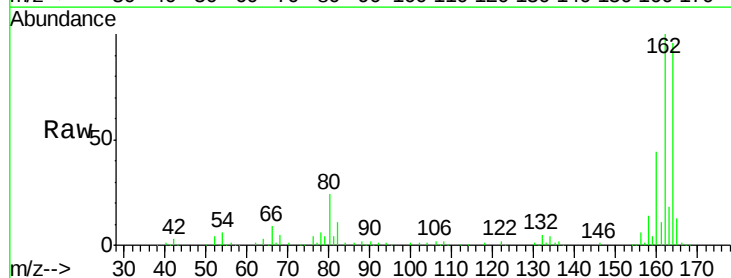
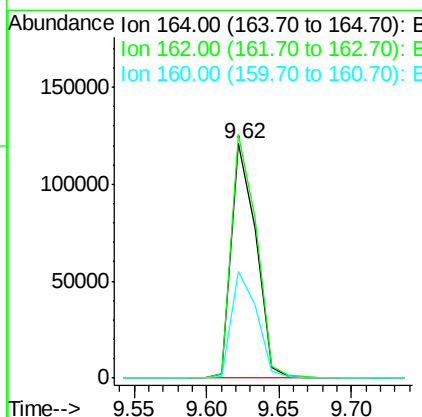
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142096		
162	103.8	85.4	128.2	
160	45.7	39.5	59.3	





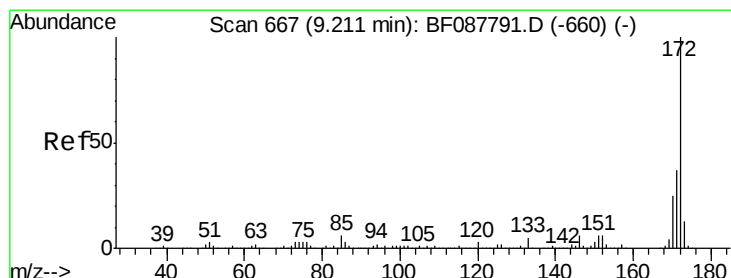
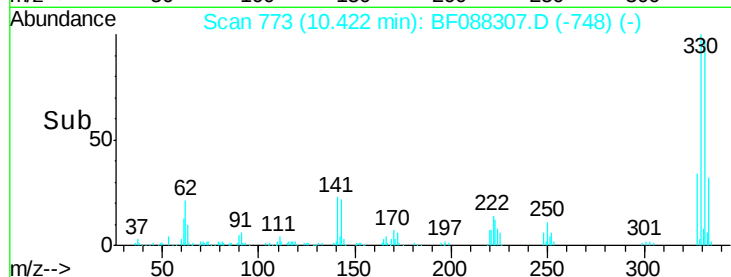
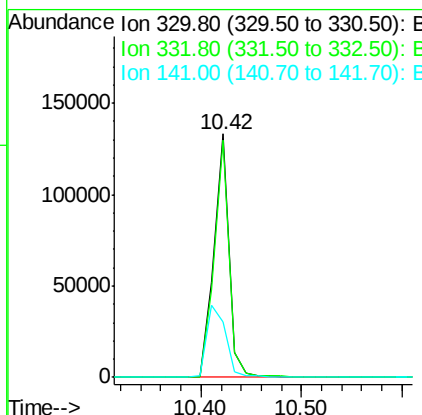
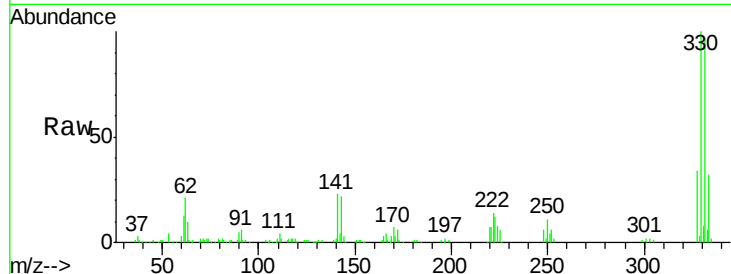
#41
 2,4,6-Tribromophenol
 Concen: 93.80 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	37.2	0.0	0.0#

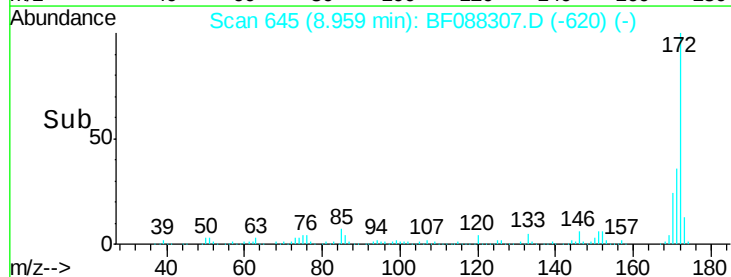
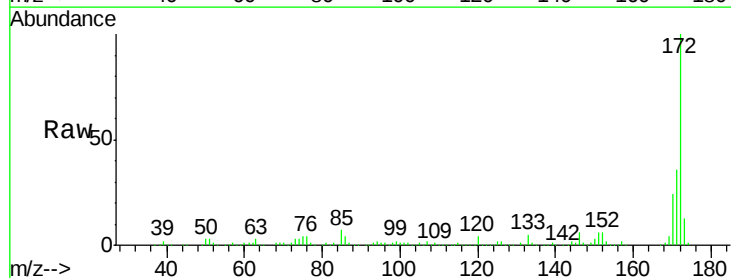
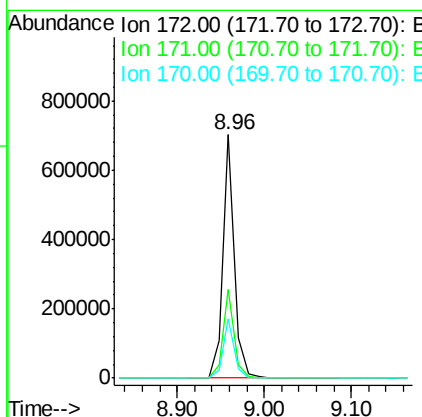
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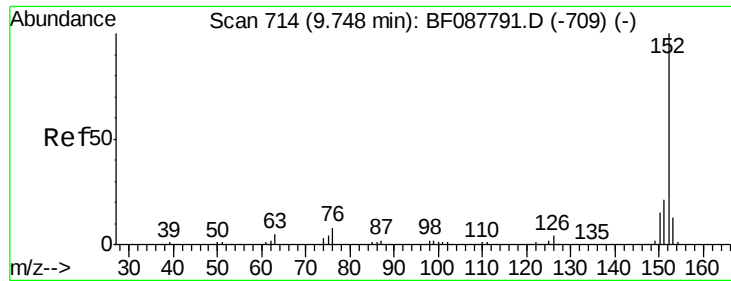
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#44
 2-Fluorobiphenyl
 Concen: 71.10 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.4	19.2	28.8





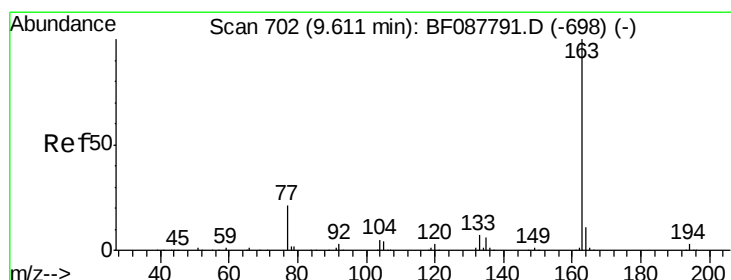
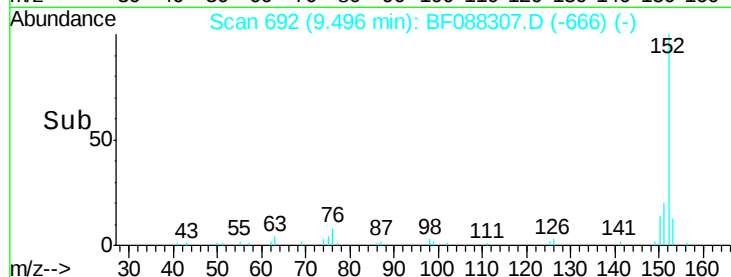
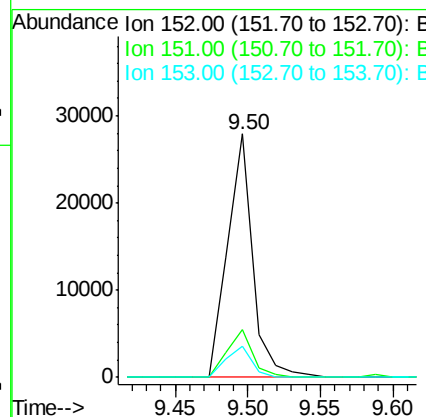
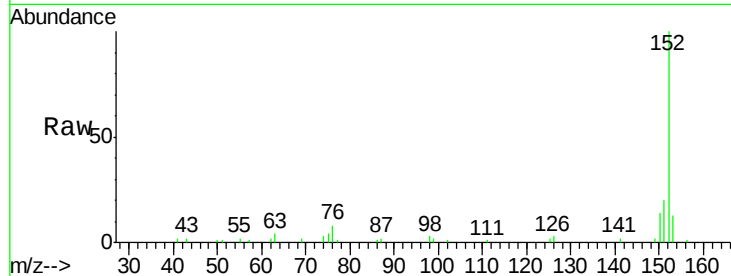
#48
Acenaphthylene
Concen: 2.30 ng
RT: 9.50 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

Tgt Ion:	152	Resp:	33583
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.4
153	12.8	11.0	16.6

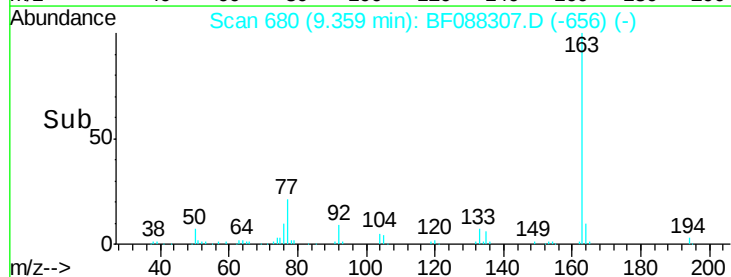
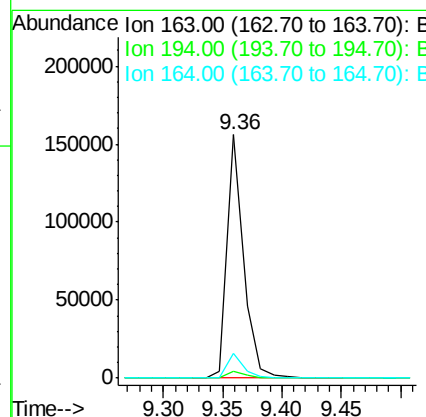
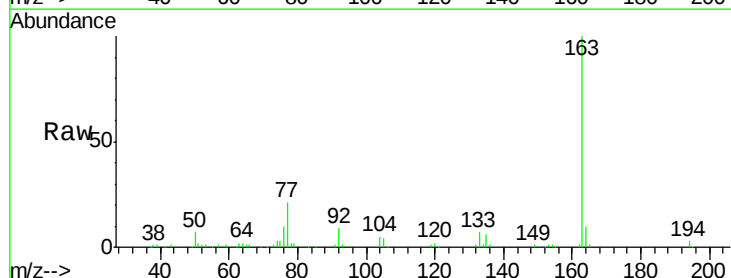
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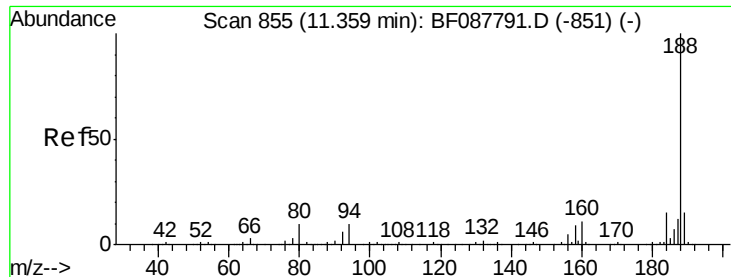
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#49
Dimethylphthalate
Concen: 14.45 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion:	163	Resp:	148699
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.2	8.3	12.5





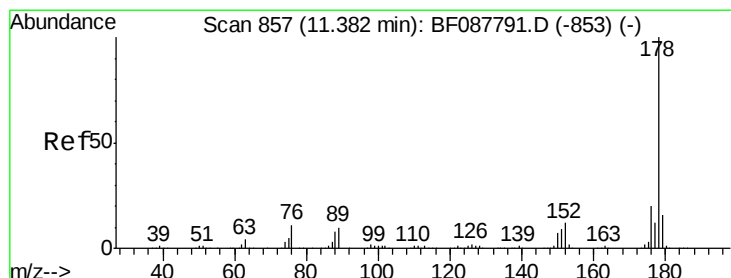
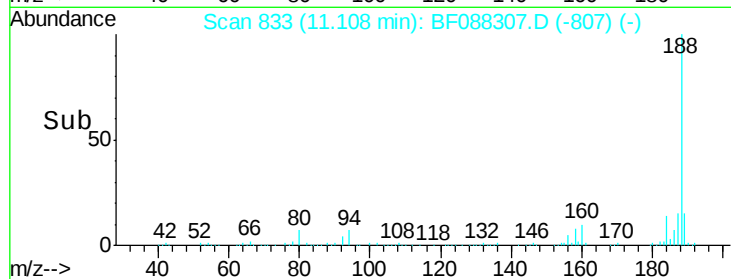
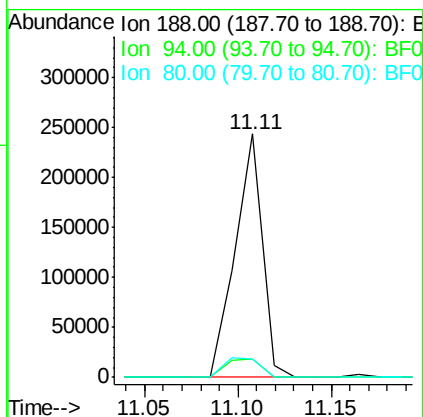
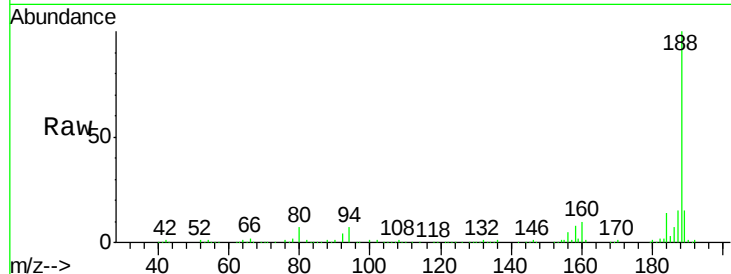
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	249784		
94	7.4	9.0	13.6#	
80	7.4	10.0	15.0#	

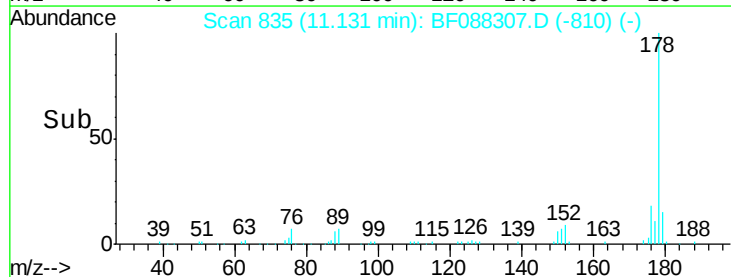
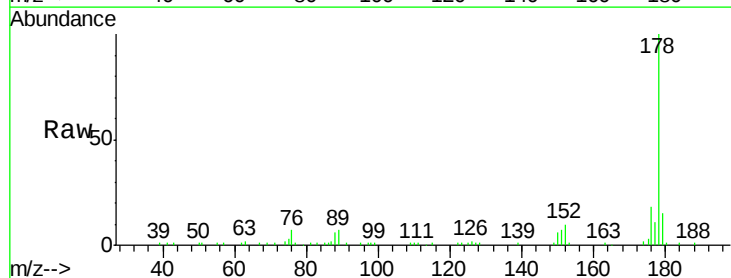
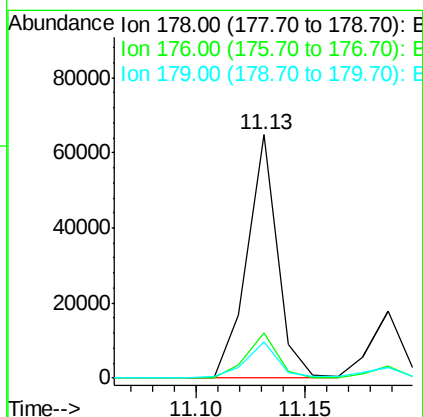
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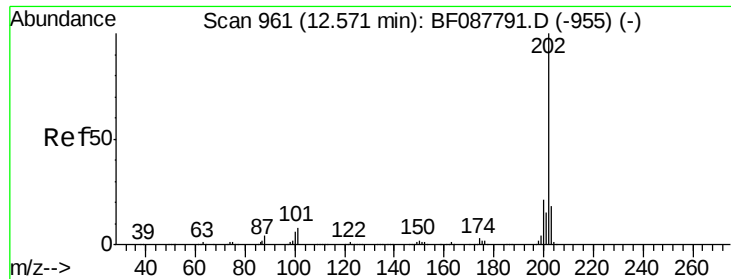
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#70
Phenanthrene
Concen: 4.81 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	63064		
176	18.4	15.8	23.6	
179	15.2	13.0	19.4	





#74

Fluoranthene

Concen: 9.63 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

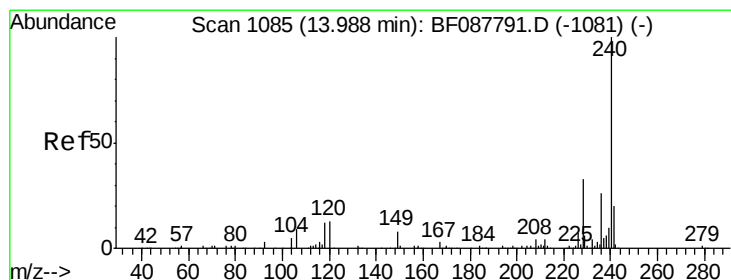
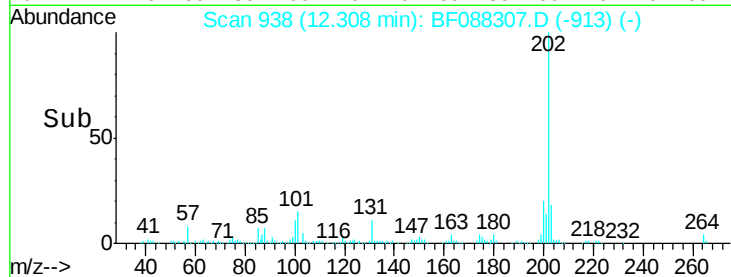
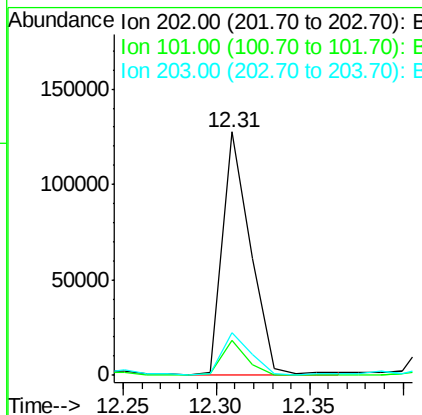
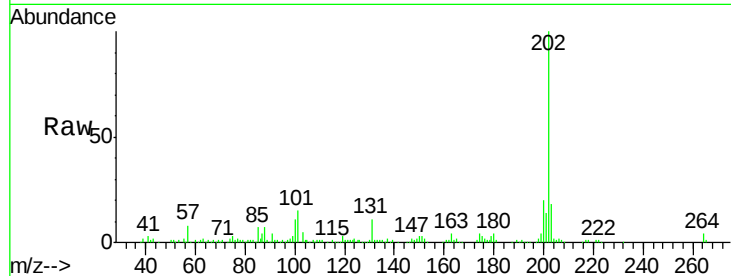
ClientSampleId :

SB-1(0-6)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		133189		
101	14.6	0.0	33.1		
203	17.6	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

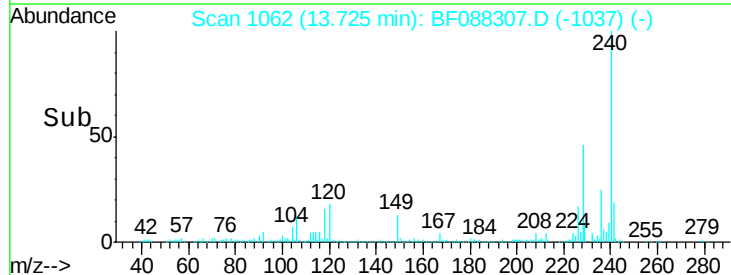
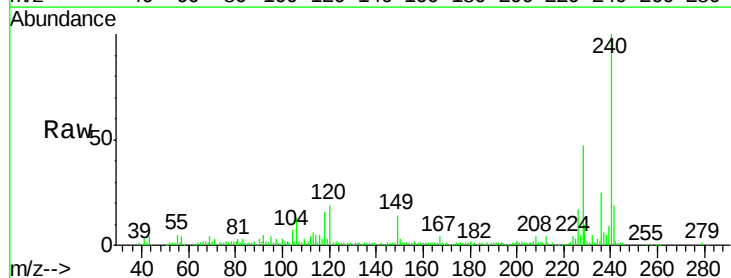
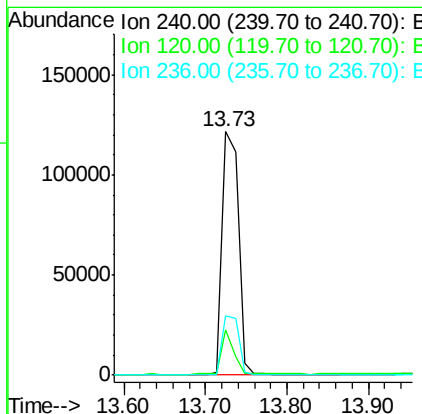
RT: 13.73 min Scan# 1062

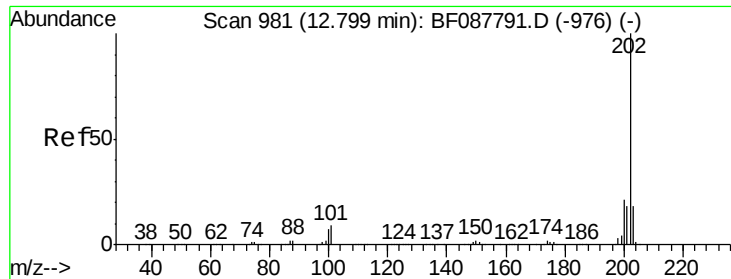
Delta R.T. -0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		167902		
120	18.6	6.8	10.2#		
236	24.5	20.2	30.2		





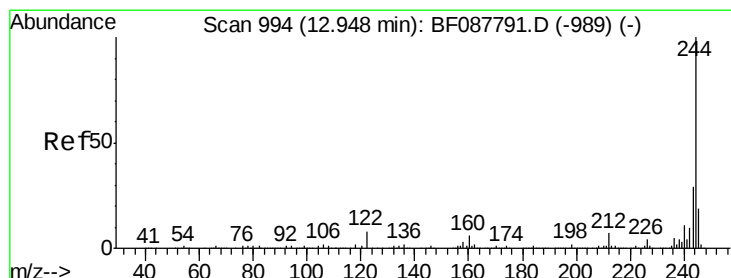
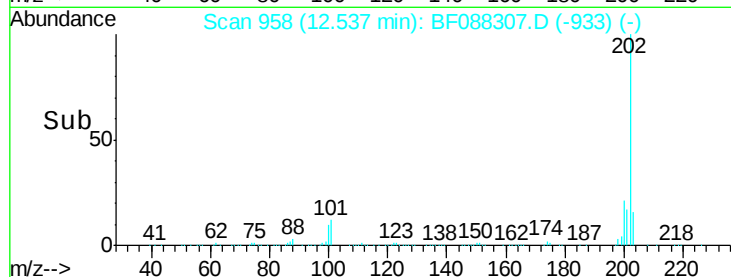
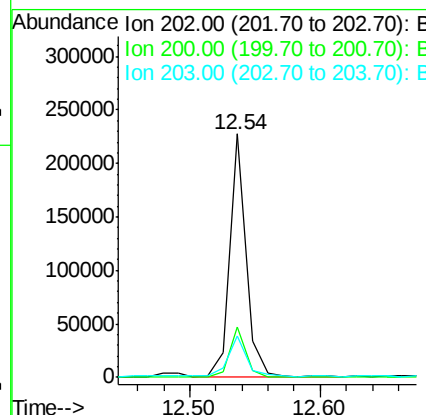
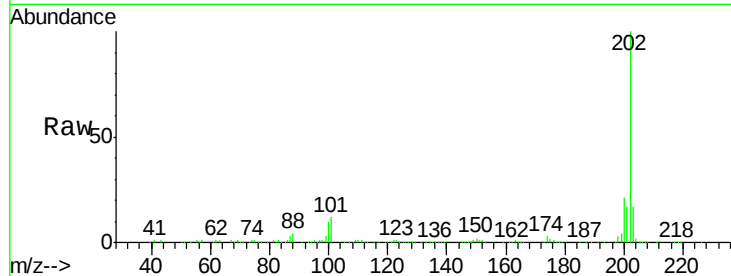
#77
 Pyrene
 Concen: 15.89 ng
 RT: 12.54 min Scan# 958
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	17.4	26.2
203	17.1	14.5	21.7

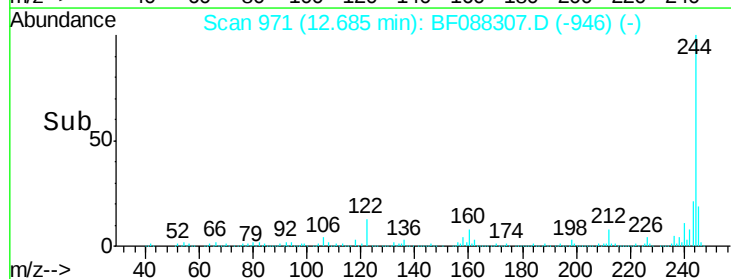
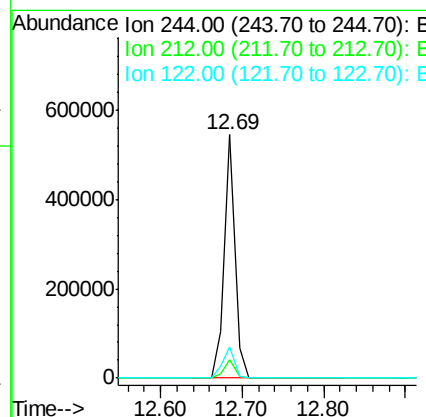
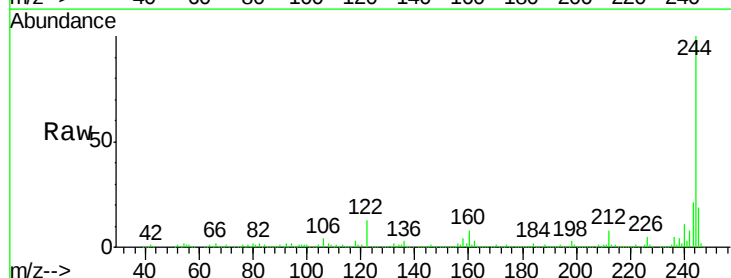
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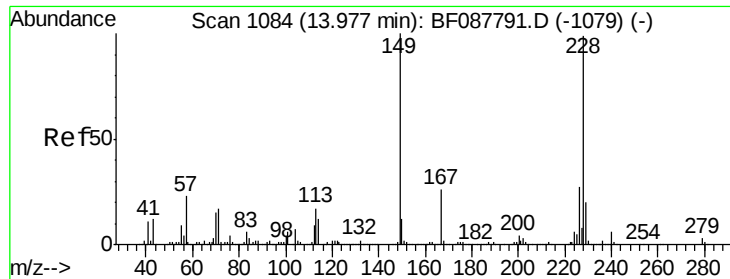
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#78
 Terphenyl-d14
 Concen: 67.38 ng
 RT: 12.69 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	6.0	9.0
122	13.0	11.2	16.8





#80

Benzo(a)anthracene

Concen: 7.34 ng m

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

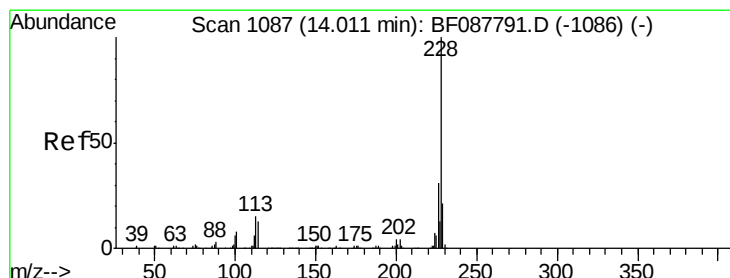
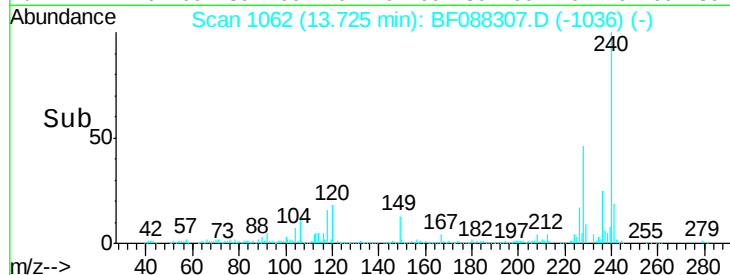
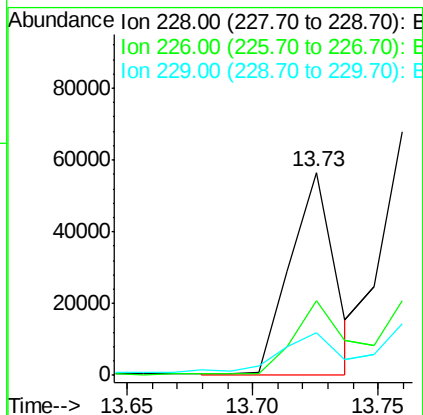
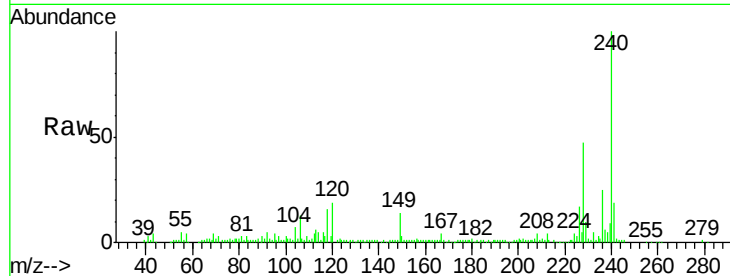
ClientSampleId :

SB-1(0-6)

Tgt Ion:	228	Resp:	70186
Ion Ratio	Lower	Upper	
228	100		
226	37.0	22.3	33.5#
229	21.1	16.0	24.0

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#82

Chrysene

Concen: 8.00 ng

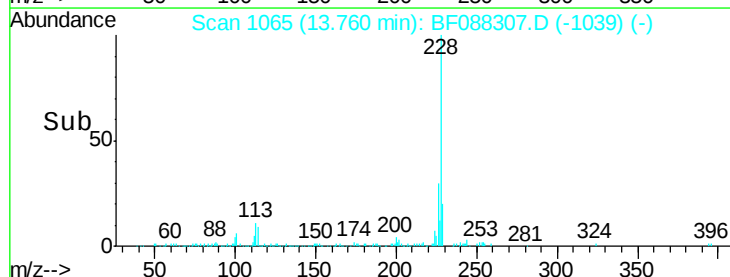
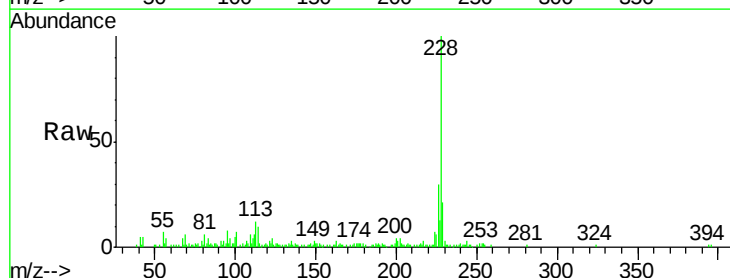
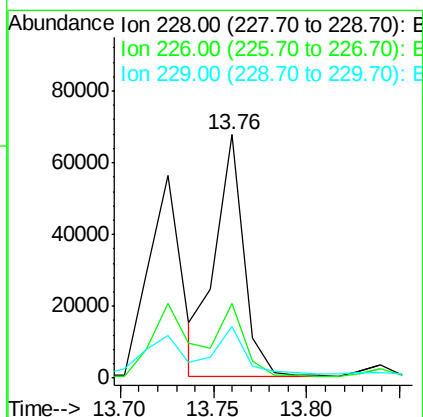
RT: 13.76 min Scan# 1065

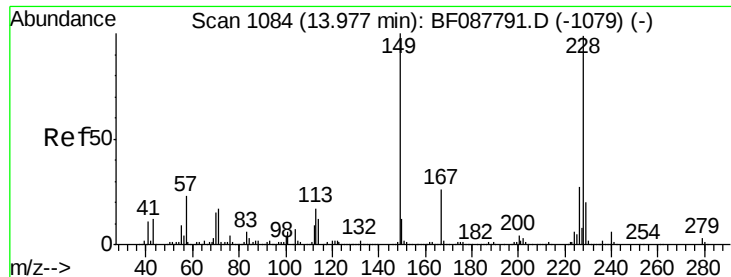
Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Tgt Ion:	228	Resp:	72049
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.2
229	21.4	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.96 ng

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Instrument :

BNA_F

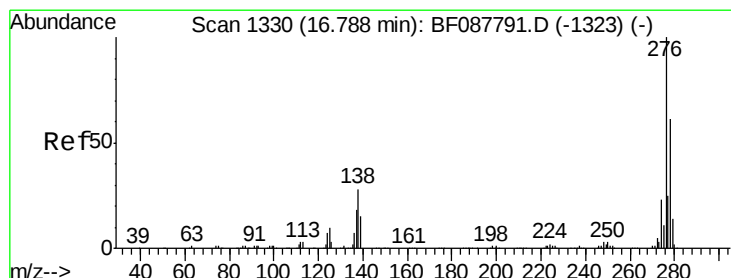
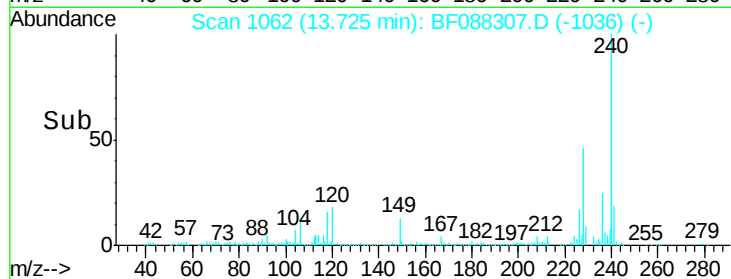
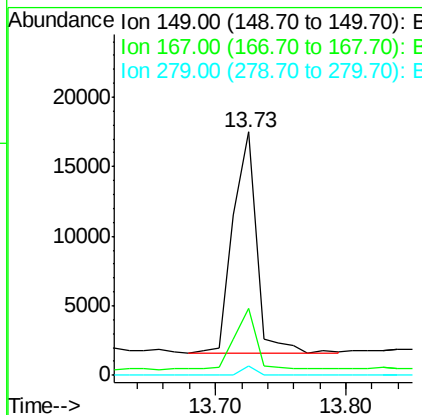
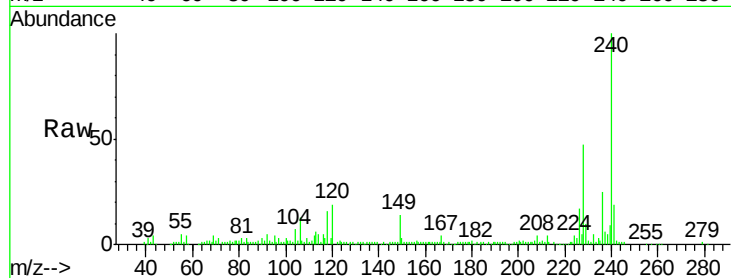
ClientSampleId :

SB-1(0-6)

Tgt Ion:	149	Resp:	19863
Ion Ratio	Lower	Upper	
149	100		
167	27.4	20.5	30.7
279	3.9	2.0	3.0#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.22 ng

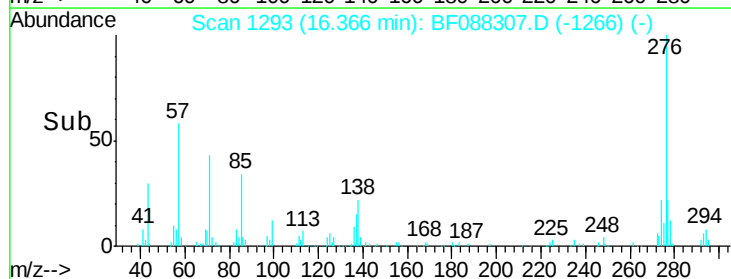
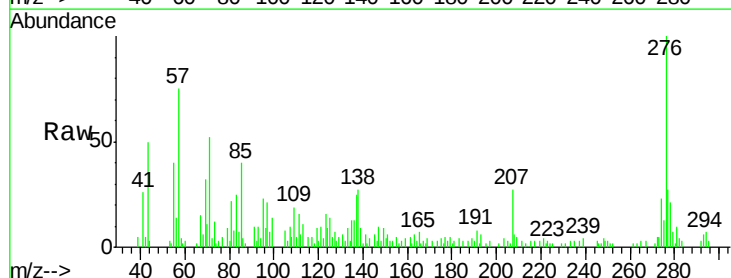
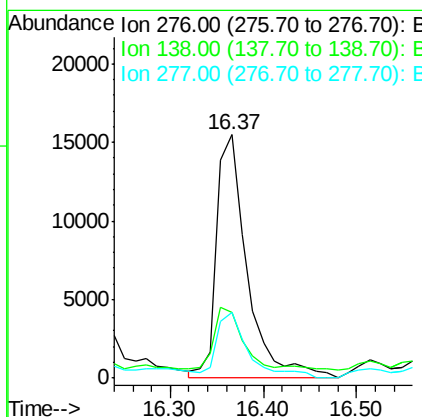
RT: 16.37 min Scan# 1293

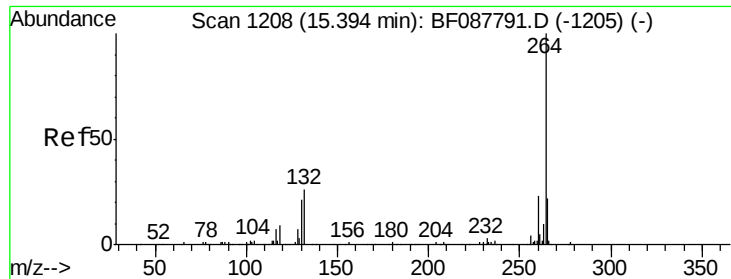
Delta R.T. 0.01 min

Lab File: BF088307.D

Acq: 24 Jun 2016 00:07

Tgt Ion:	276	Resp:	35321
Ion Ratio	Lower	Upper	
276	100		
138	25.1	0.0	0.0#
277	27.8	0.0	0.0#





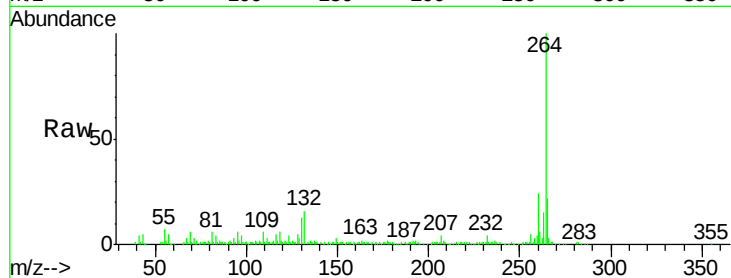
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

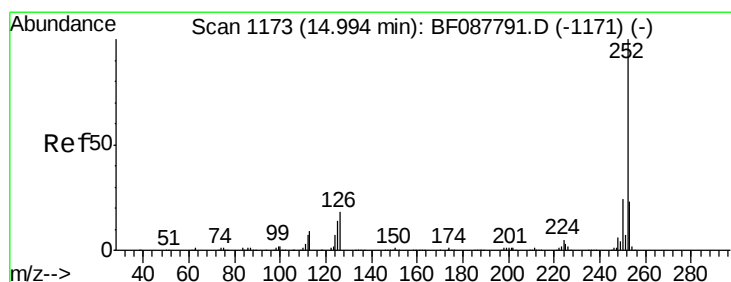
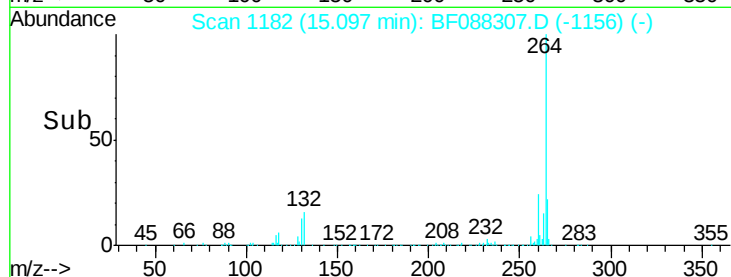
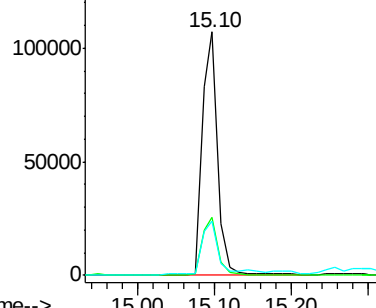
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	153958		
260	23.9	19.2	28.8	
265	22.4	16.9	25.3	

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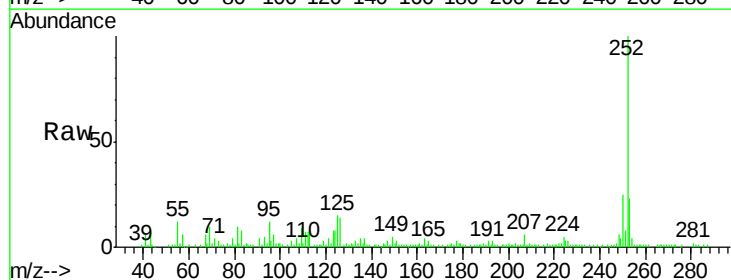


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

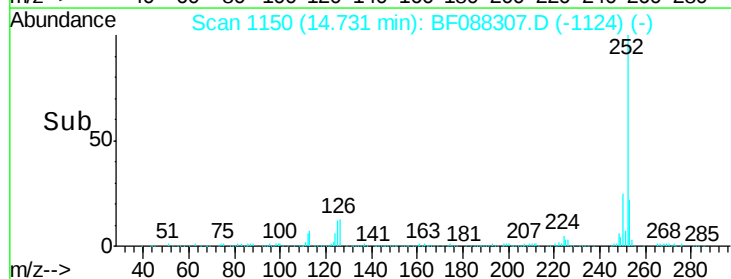
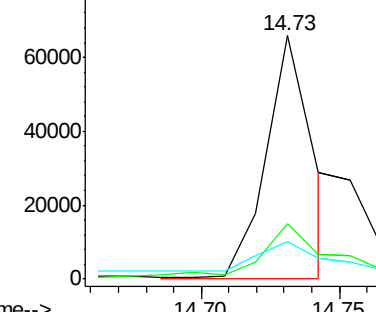


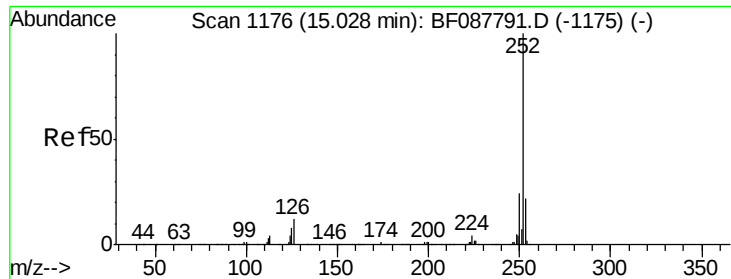
#87
Benzo(b)fluoranthene
Concen: 7.27 ng m
RT: 14.73 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	77975		
253	22.7	17.4	26.2	
125	15.2	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





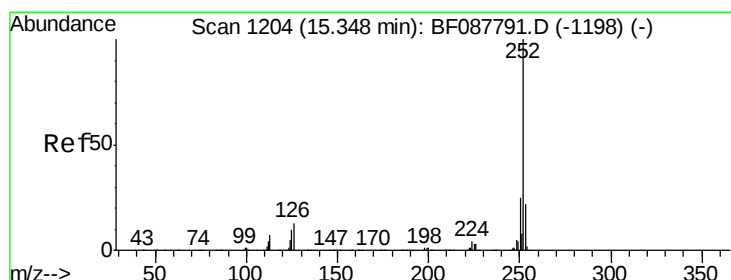
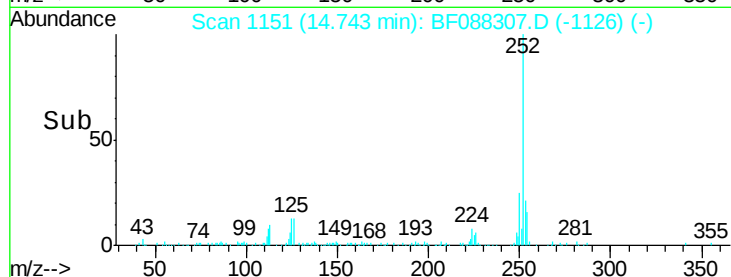
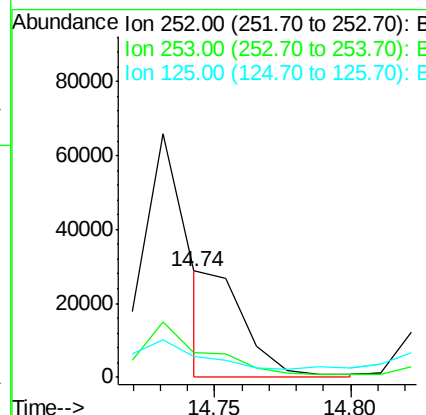
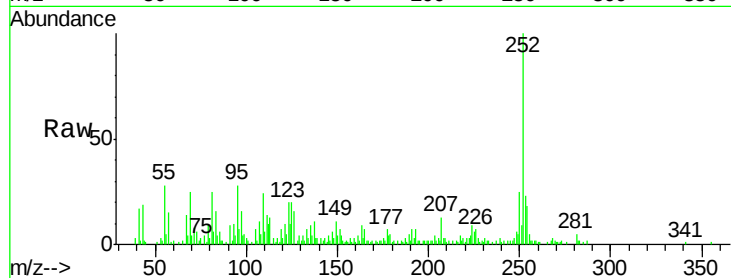
#88
Benzo(k)fluoranthene
Concen: 3.27 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	20.1	11.2	16.8

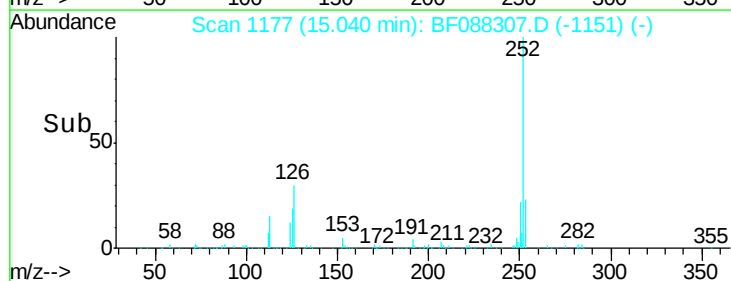
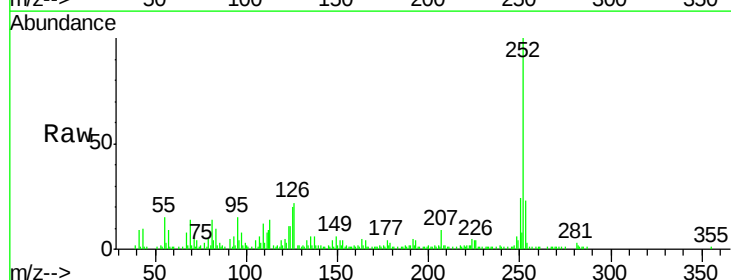
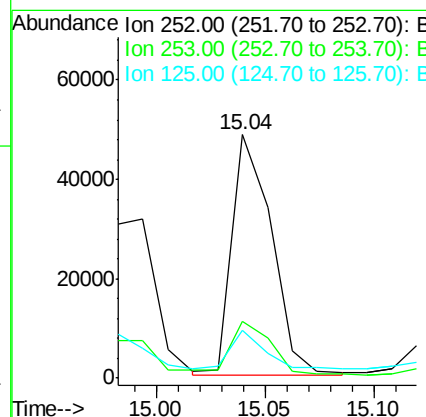
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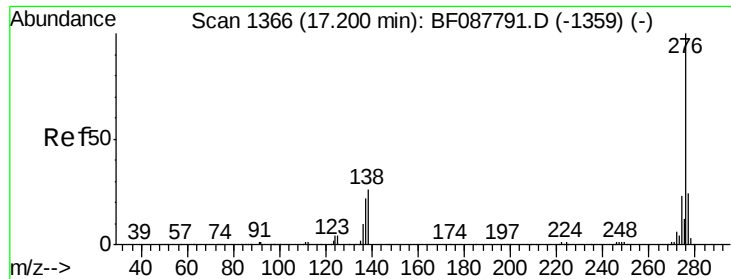
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#89
Benzo(a)pyrene
Concen: 7.08 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF088307.D
Acq: 24 Jun 2016 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	19.6	12.5	18.7





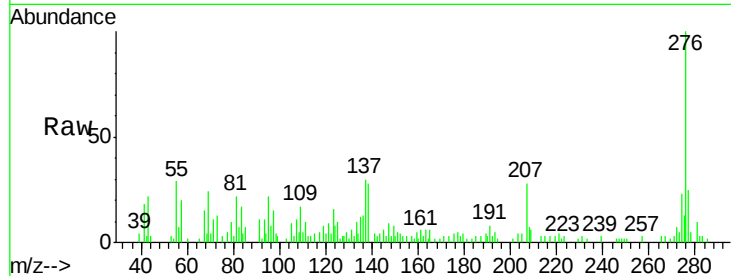
#91
 Benzo(g,h,i)perylene
 Concen: 4.58 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF088307.D
 Acq: 24 Jun 2016 00:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion:	276	Resp:	38000
Ion Ratio		Lower	Upper
276	100		
277	25.4	18.9	28.3
138	27.9	21.4	32.2

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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

