

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088431.D
 Acq On : 26 Jun 2016 21:22
 Operator : UM/SJ
 Sample : H3663-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-3

Manual Integrations
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Quant Time: Jun 27 18:45:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	80906	20.00	ng	-0.06
21) Naphthalene-d8	7.83	136	330067	20.00	ng	-0.07
38) Acenaphthene-d10	9.58	164	149861	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	245240	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	162173	20.00	ng	-0.07
86) Perylene-d12	15.03	264	163995	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	307774	65.03	ng	-0.05
7) Phenol-d6	6.22	99	411707	71.78	ng	-0.05
23) Nitrobenzene-d5	7.12	82	233287	41.27	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	85647	54.13	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	493090	49.37	ng	-0.06
78) Terphenyl-d14	12.63	244	343121	48.15	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	7.85	128	57228	3.50	ng	98
49) Dimethylphthalate	9.31	163	111933	10.31	ng	99
51) Acenaphthene	9.61	154	60523	6.29	ng	98
54) Dibenzofuran	9.78	168	32460	2.45	ng	95
70) Phenanthrene	11.07	178	443992	34.50	ng	99
71) Anthracene	11.13	178	131711	10.15	ng	98
72) Carbazole	11.29	167	81609	6.72	ng	99
74) Fluoranthene	12.26	202	694244	51.12	ng	99
77) Pyrene	12.49	202	622983	51.77	ng	99
80) Benzo(a)anthracene	13.67	228	399403	43.22	ng	98
82) Chrysene	13.70	228	314432	36.16	ng	98
85) Indeno(1,2,3-cd)pyrene	16.26	276	242107	29.97	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	472561m	41.34	ng	
88) Benzo(k)fluoranthene	14.69	252	238885m	27.71	ng	
89) Benzo(a)pyrene	14.98	252	388825	42.05	ng	98
90) Dibenzo(a,h)anthracene	16.26	278	51160m	5.96	ng	
91) Benzo(a,h,i)perylene	16.63	276	232999	26.37	ng	98

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

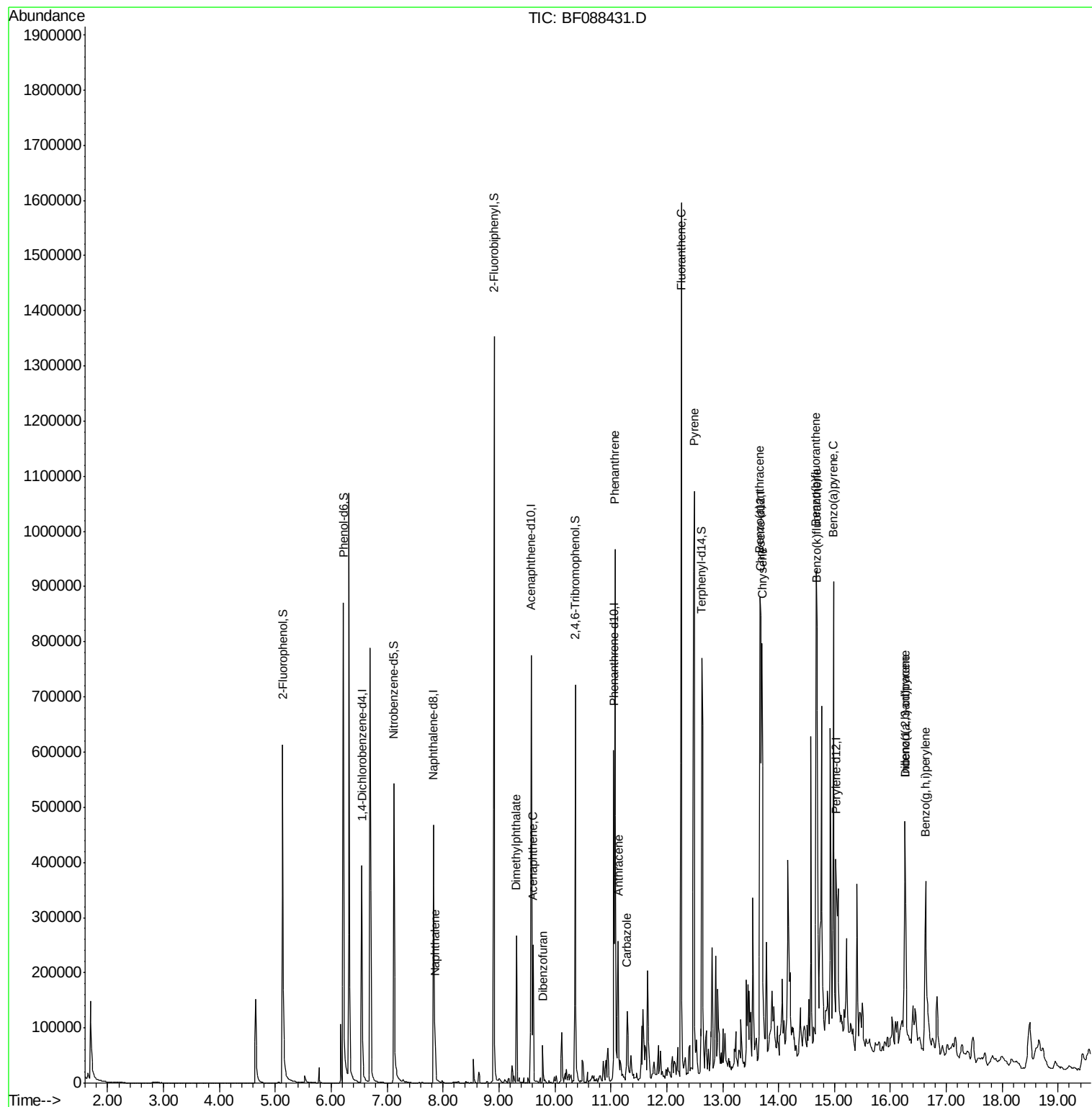
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088431.D
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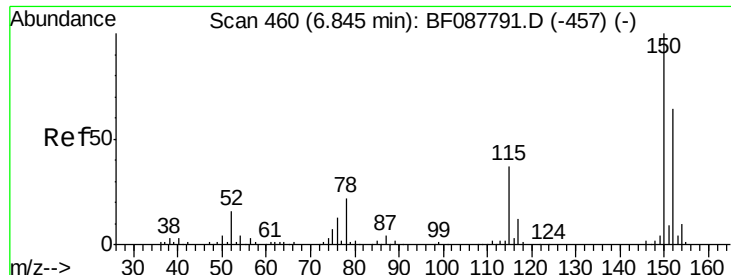
Instrument :
BNA_F
ClientSampled :
SS-3

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Quant Time: Jun 27 18:45:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
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#1

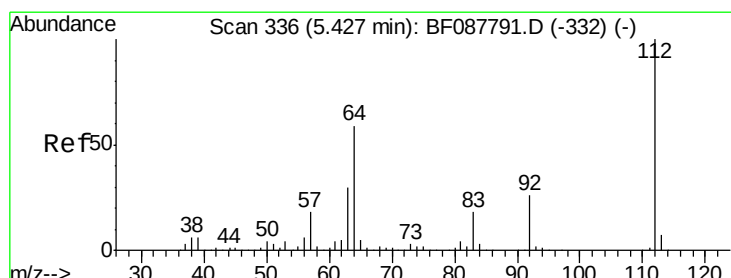
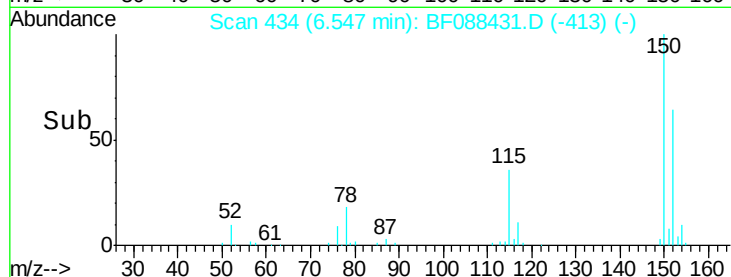
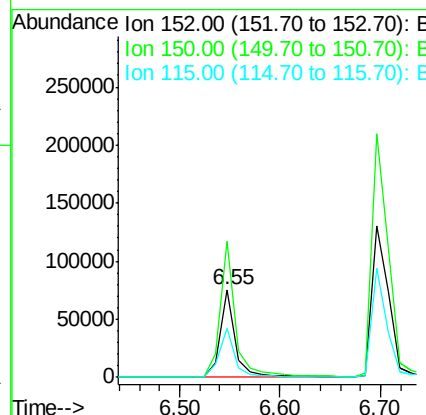
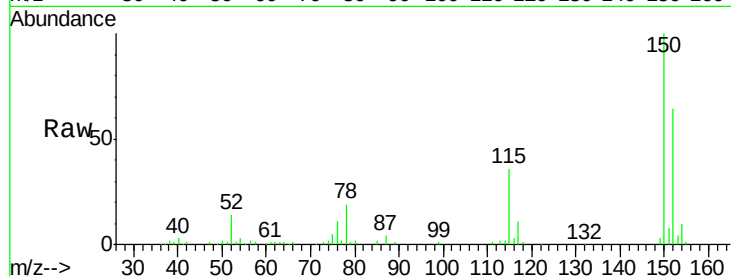
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.6
115	55.5	39.6	59.4

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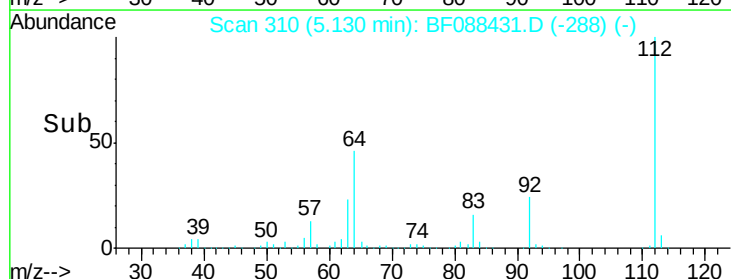
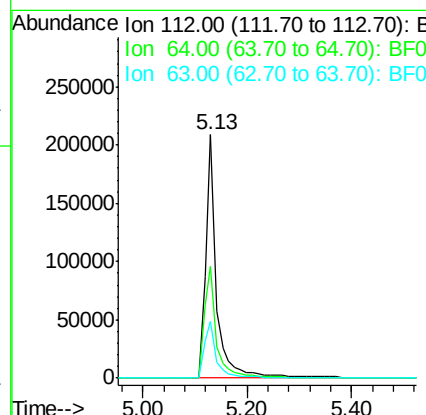
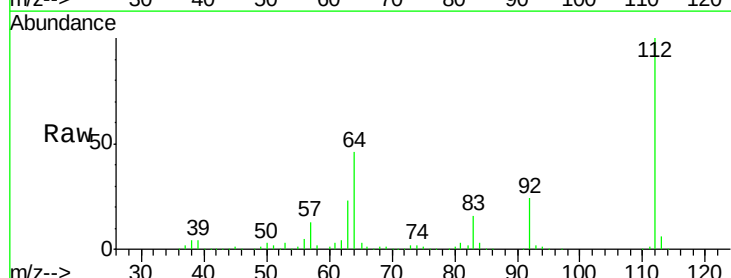
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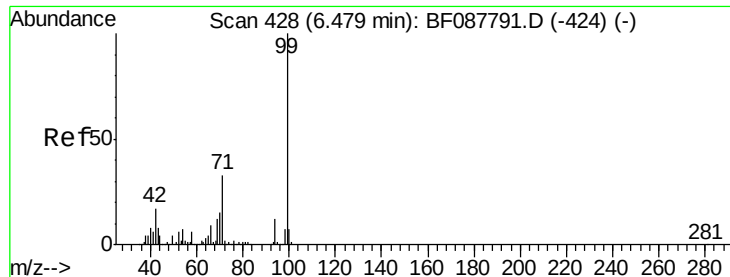


#5

2-Fluorophenol
Concen: 65.03 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.1	42.2	63.2
63	23.4	21.8	32.8





#7

Phenol-d6

Concen: 71.78 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

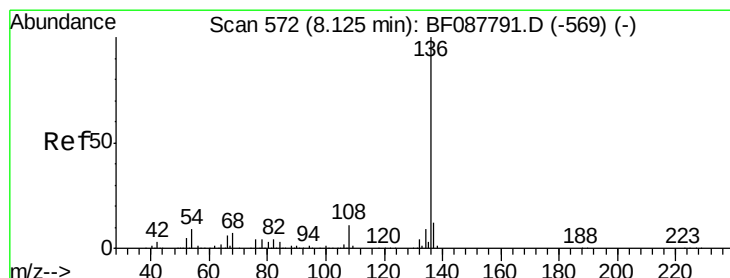
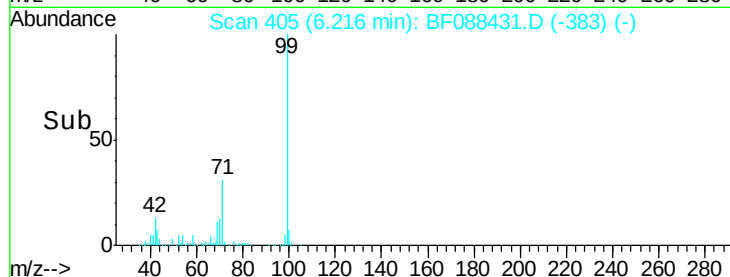
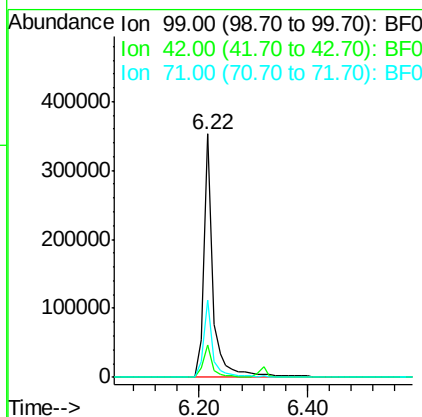
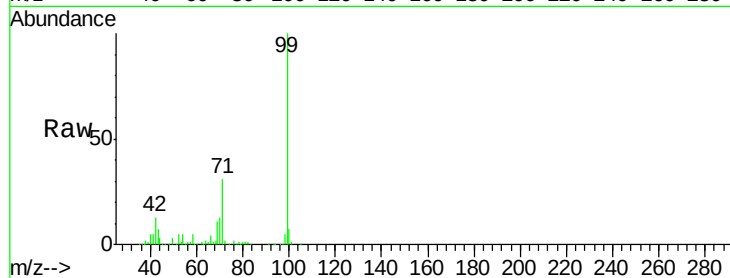
ClientSampleId :

SS-3

Tot Ion:	99	Resp:	411707
Ion Ratio	Lower	Upper	
99	100		
42	13.1	12.2	18.2
71	31.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

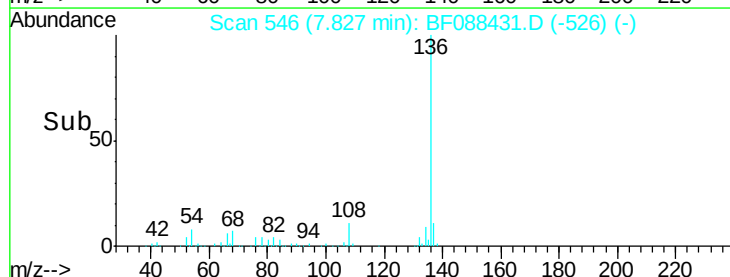
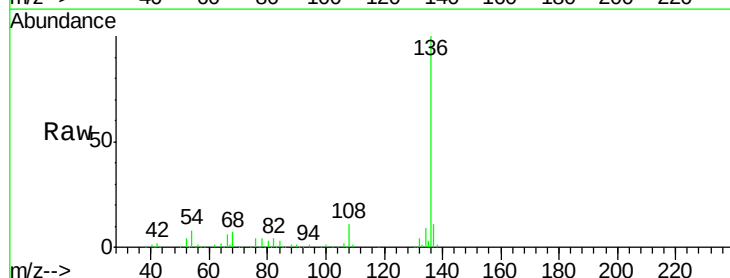
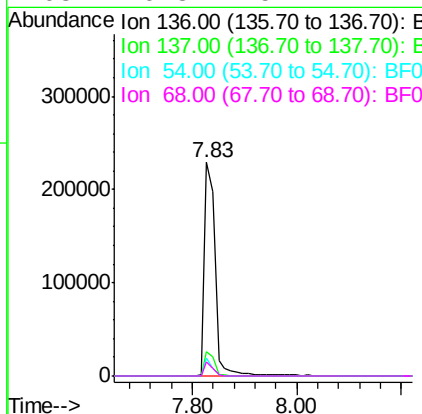
RT: 7.83 min Scan# 546

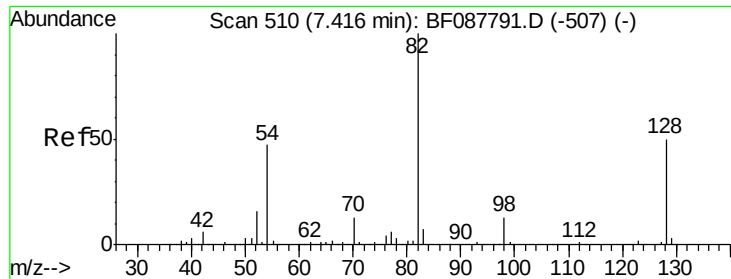
Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Tgt Ion:	136	Resp:	330067
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	8.2	6.6	10.0
68	6.8	5.1	7.7





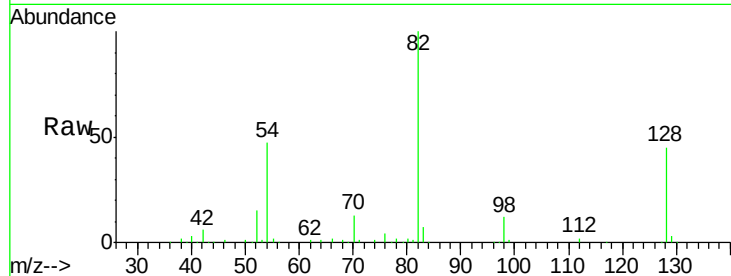
#23
Nitrobenzene-d5
Concen: 41.27 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.06 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampled :
SS-3

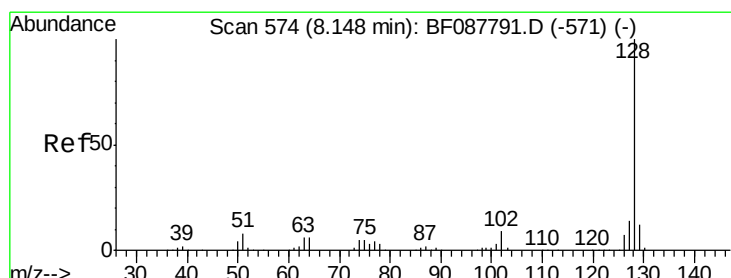
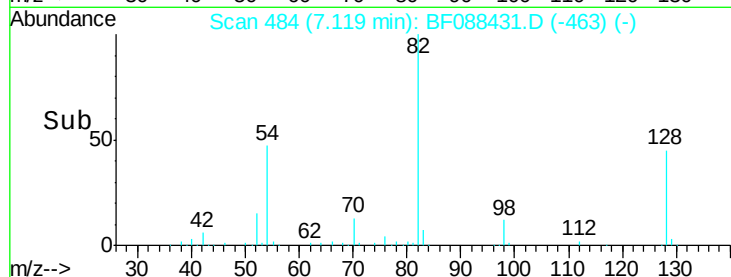
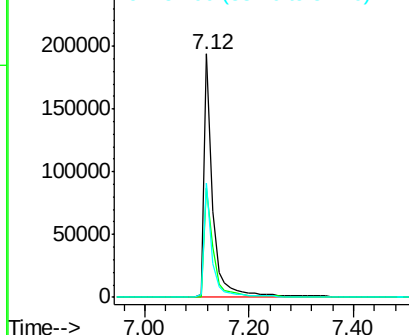
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.9	53.9
54	47.2	40.9	61.3

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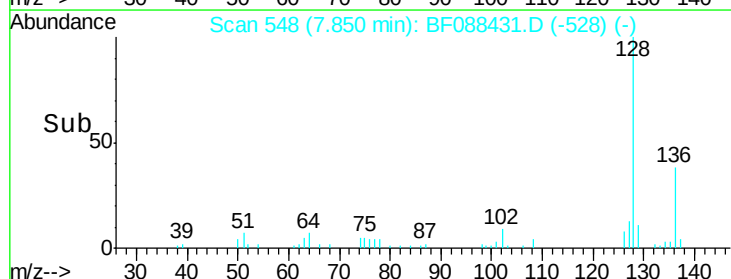
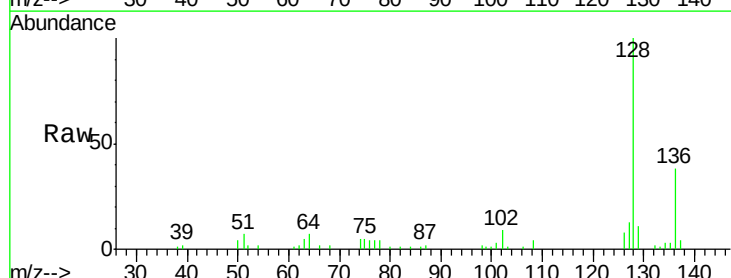
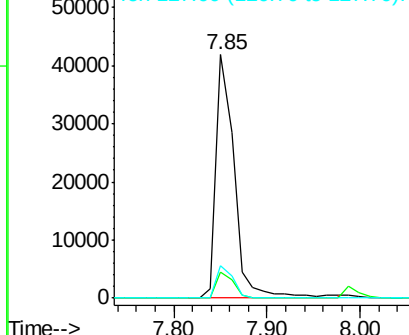
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

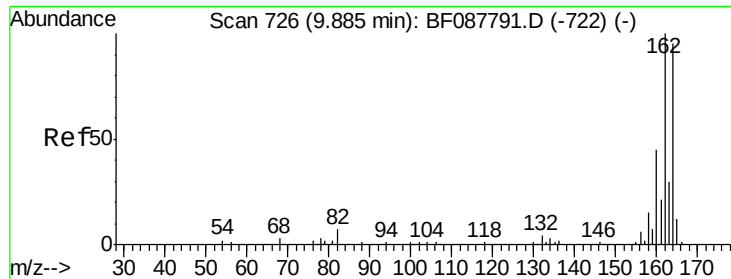


#31
Naphthalene
Concen: 3.50 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.2	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





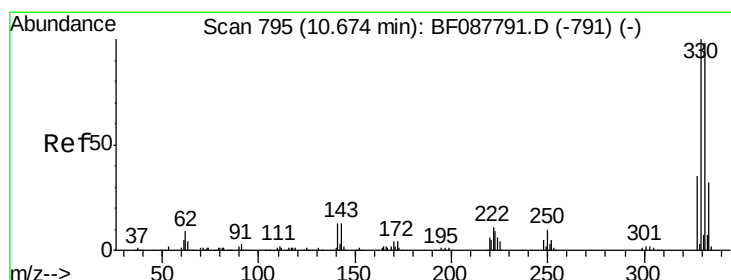
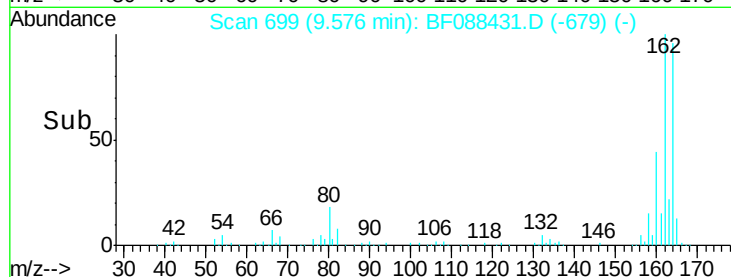
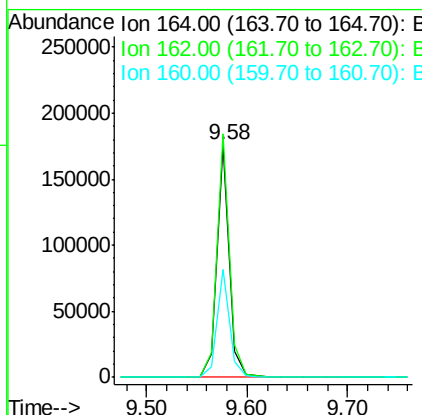
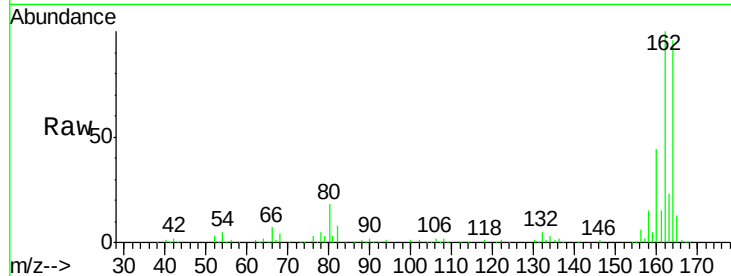
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampled :
SS-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	149861		
162	104.7	85.4	128.2	
160	46.5	39.5	59.3	

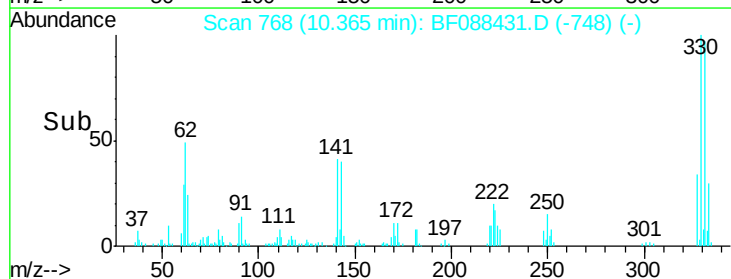
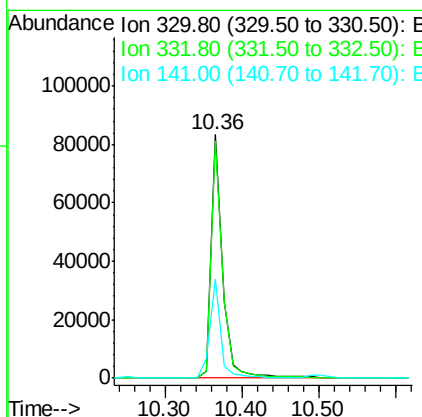
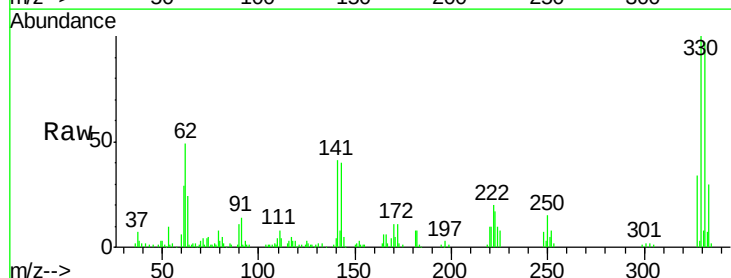
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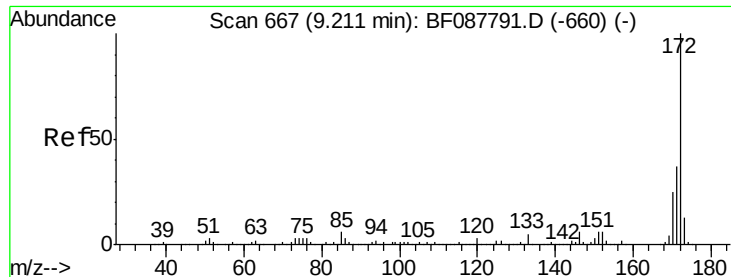
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#41
2,4,6-Tribromophenol
Concen: 54.13 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	85647		
332	97.2	0.0	0.0#	
141	39.3	0.0	0.0#	





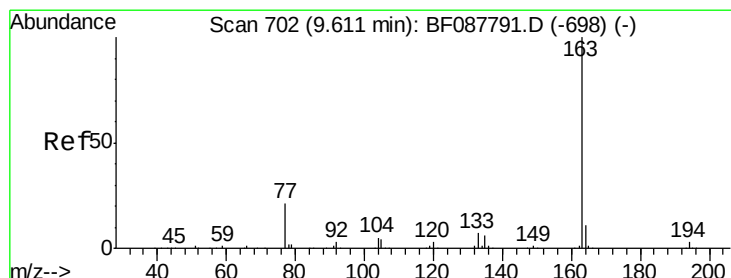
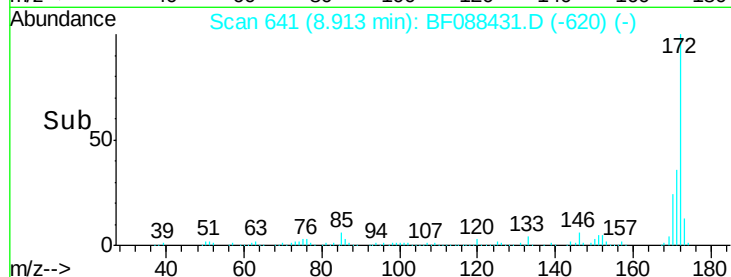
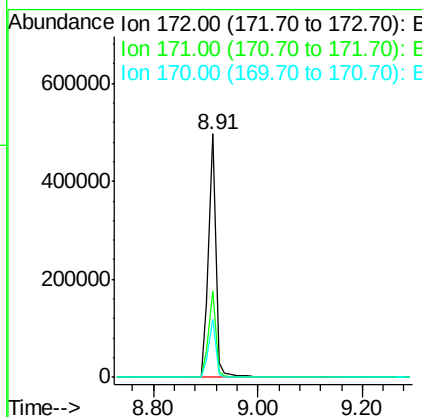
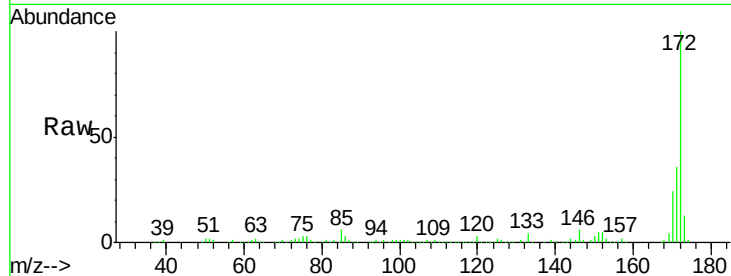
#44
2-Fluorobiphenyl
Concen: 49.37 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SS-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		493090		
171	35.6	28.6	43.0		
170	23.6	19.2	28.8		

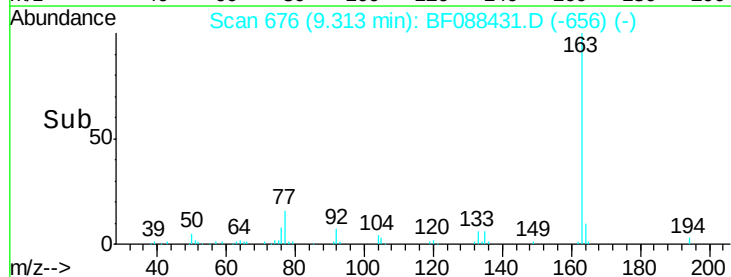
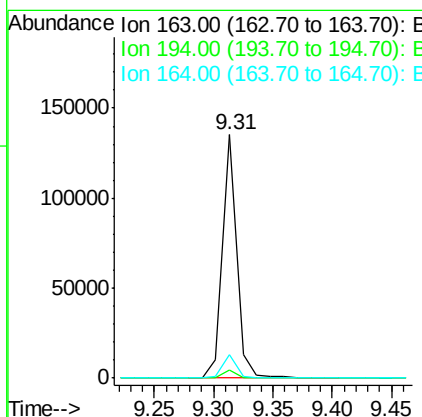
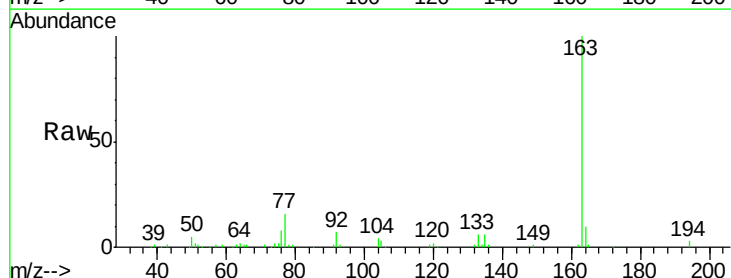
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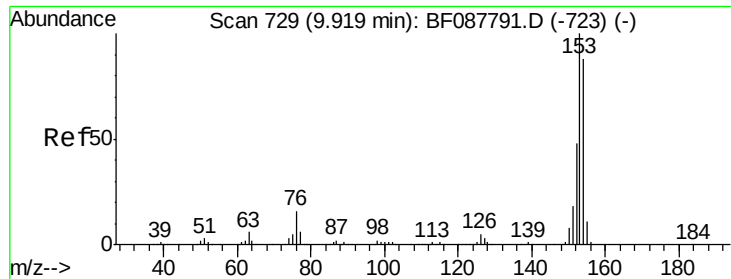
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#49
Dimethylphthalate
Concen: 10.31 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		111933		
194	3.3	2.8	4.2		
164	9.8	8.3	12.5		





#51

Acenaphthene

Concen: 6.29 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

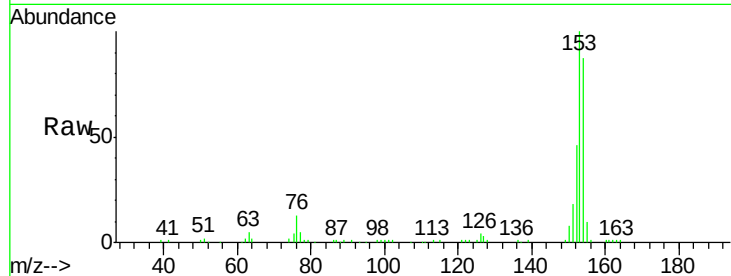
ClientSampled :

SS-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.5	134.3
152	52.9	42.7	64.1

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Abundance

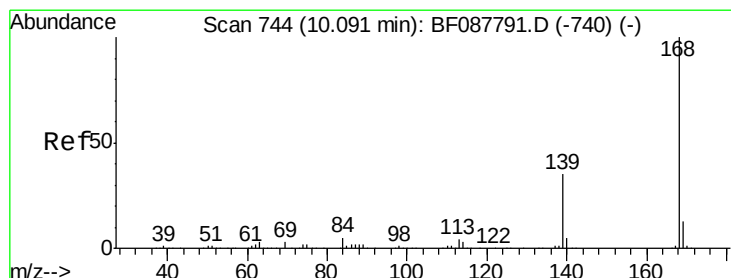
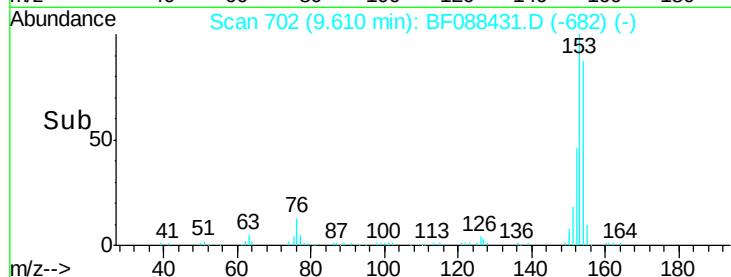
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

9.61

Time-->



#54

Dibenzofuran

Concen: 2.45 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.7	26.4	39.6
169	14.5	10.4	15.6

Abundance

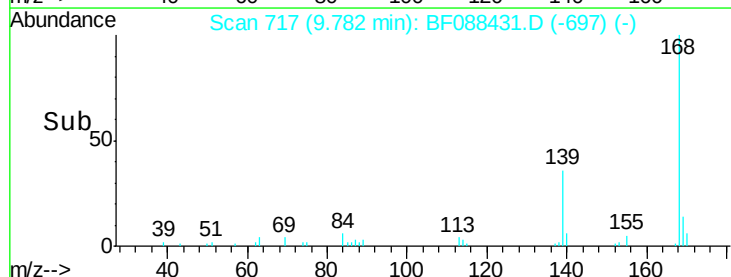
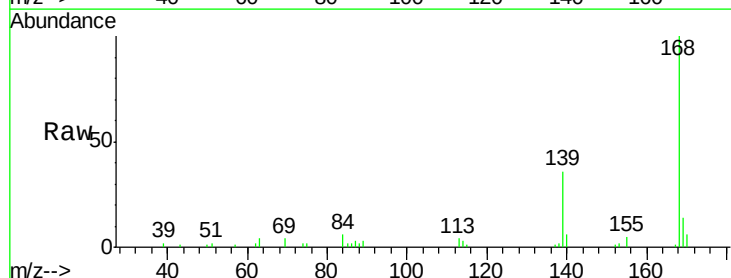
Ion 168.00 (167.70 to 168.70): E

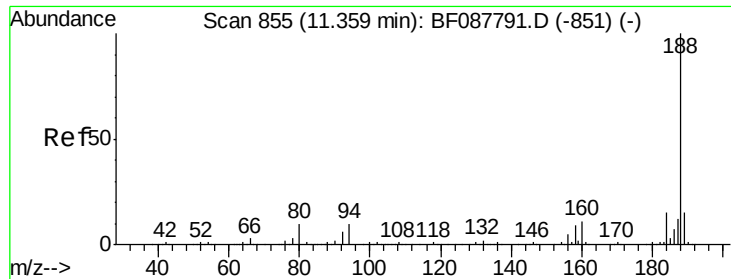
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

9.78

Time-->





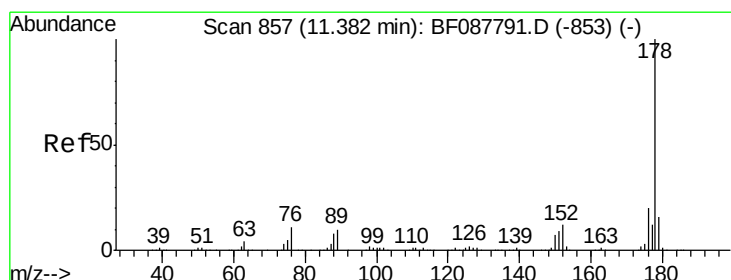
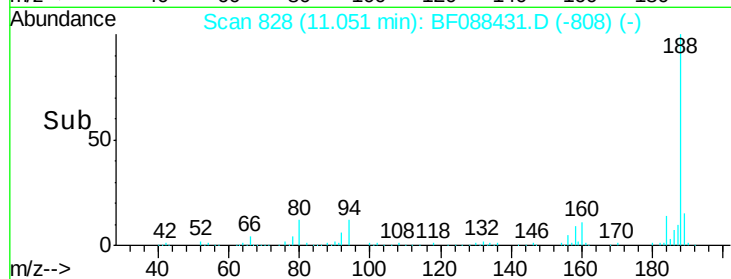
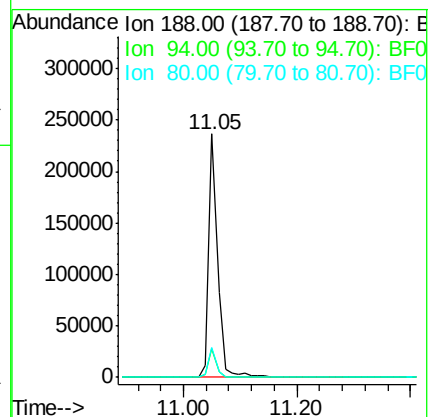
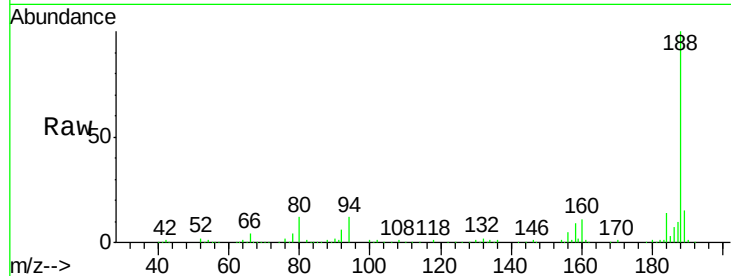
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SS-3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	245240		
94	11.5	9.0	13.6	
80	12.0	10.0	15.0	

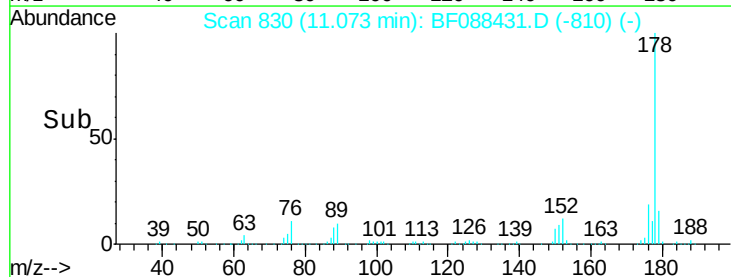
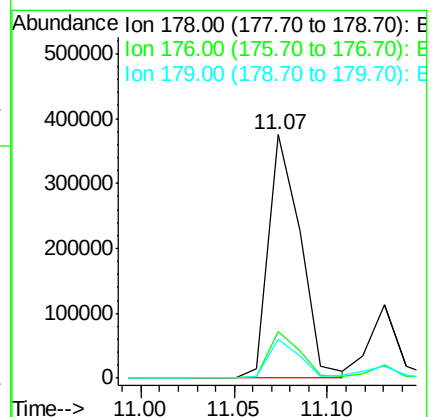
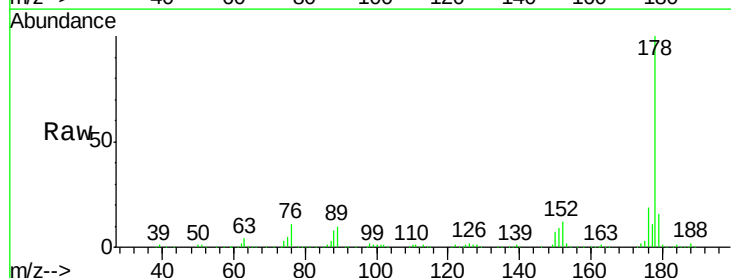
Manual Integrations
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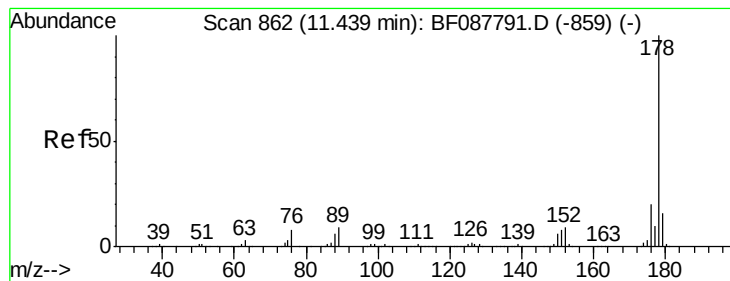
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#70
Phenanthrene
Concen: 34.50 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	443992		
176	19.1	15.8	23.6	
179	15.8	13.0	19.4	





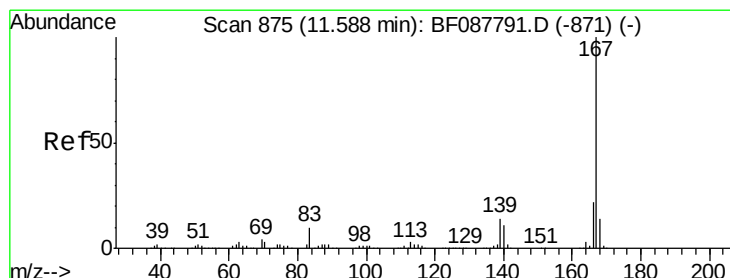
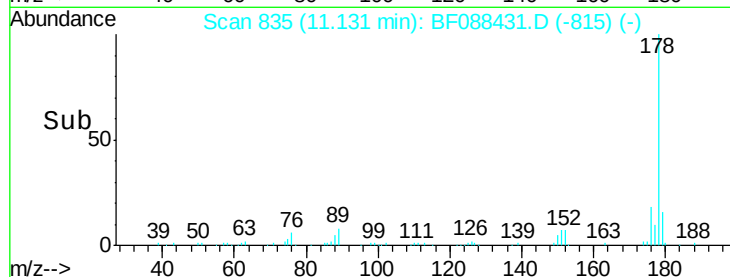
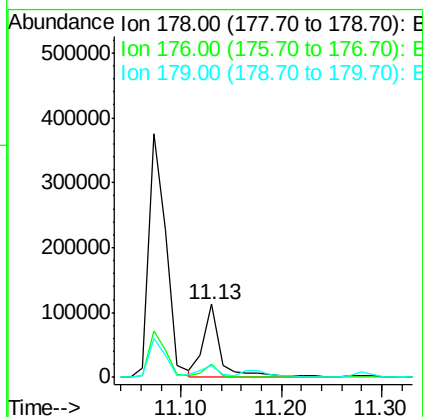
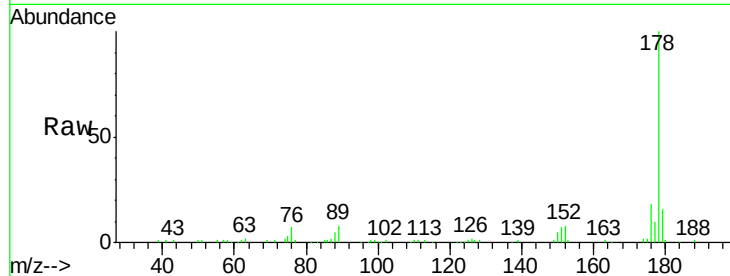
#71
 Anthracene
 Concen: 10.15 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.07 min
 Lab File: BF088431.D
 Acq: 26 Jun 2016 21:22

Instrument :
 BNA_F
 ClientSampled :
 SS-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.9	12.8	19.2

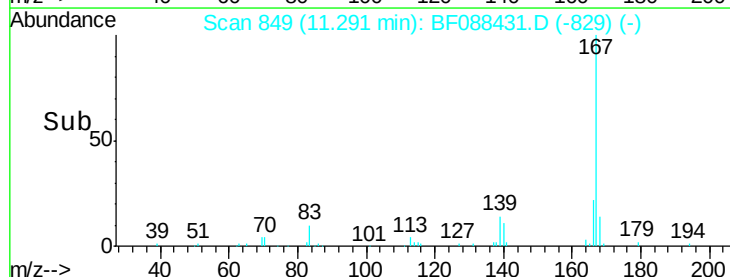
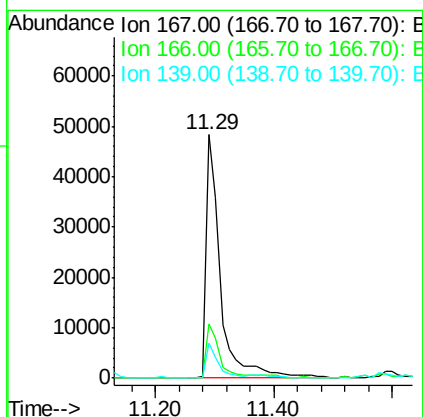
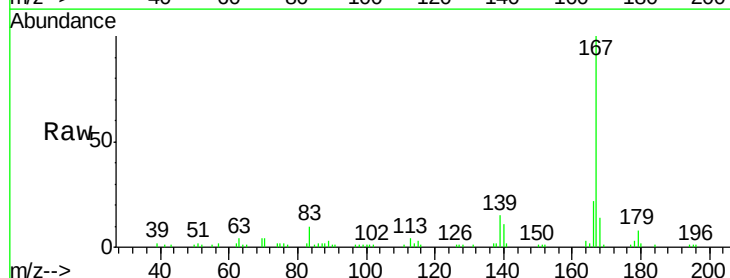
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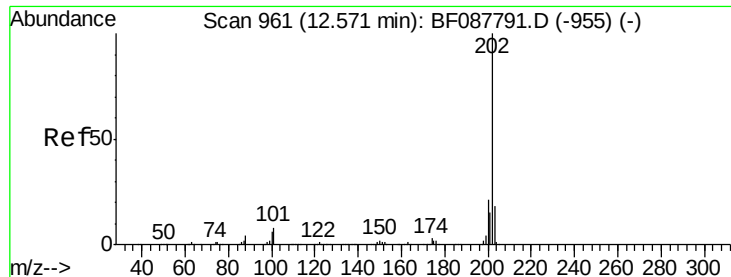
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#72
 Carbazole
 Concen: 6.72 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.07 min
 Lab File: BF088431.D
 Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	14.5	11.2	16.8





#74

Fluoranthene

Concen: 51.12 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

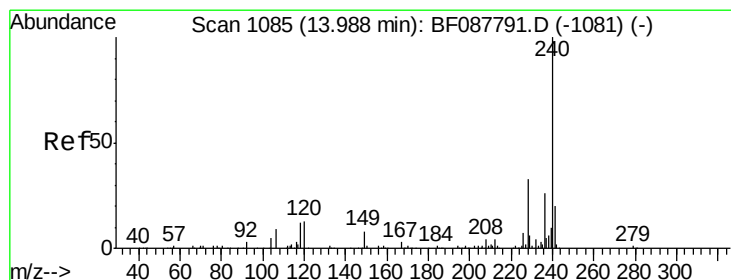
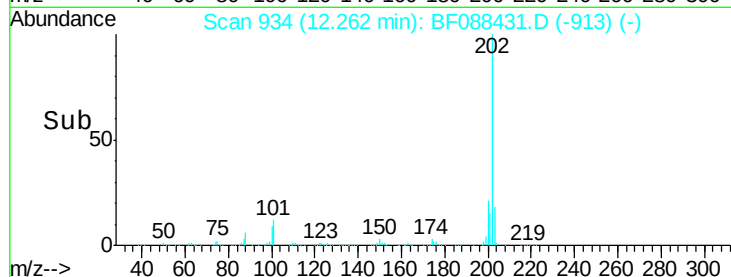
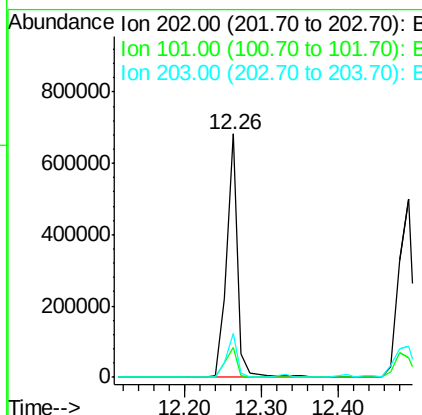
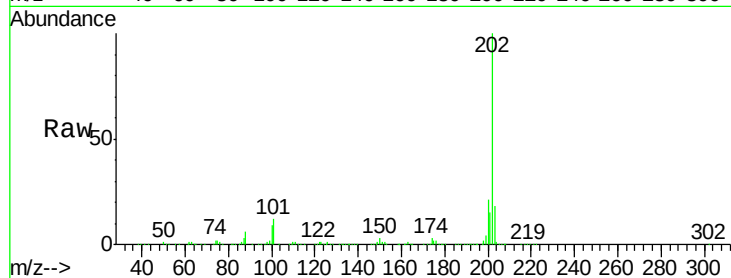
ClientSampleId :

SS-3

Tot Ion:	202	Resp:	694244
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

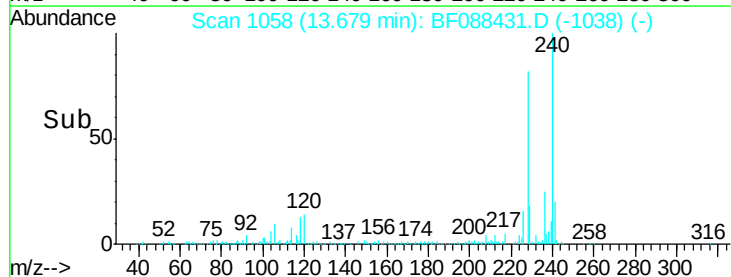
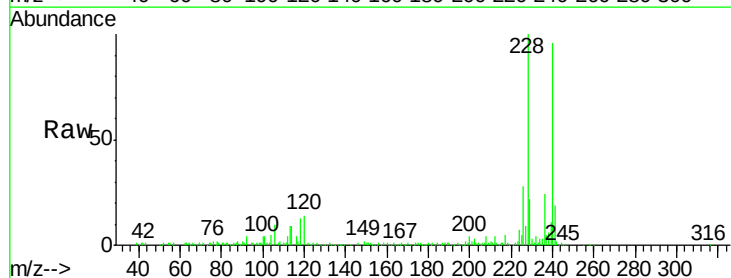
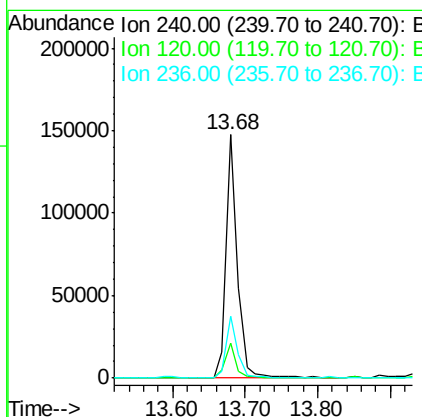
RT: 13.68 min Scan# 1058

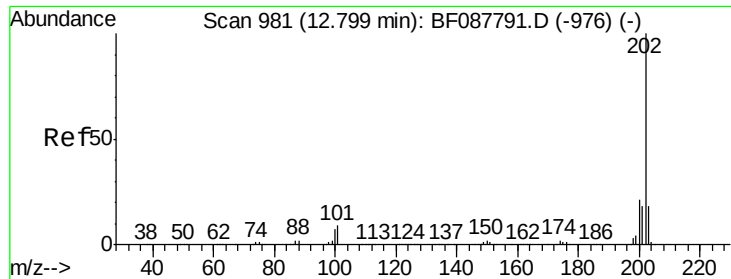
Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Tgt Ion:	240	Resp:	162173
Ion Ratio	Lower	Upper	
240	100		
120	14.3	6.8	10.2#
236	25.4	20.2	30.2





#77

Pvrene

Concen: 51.77 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

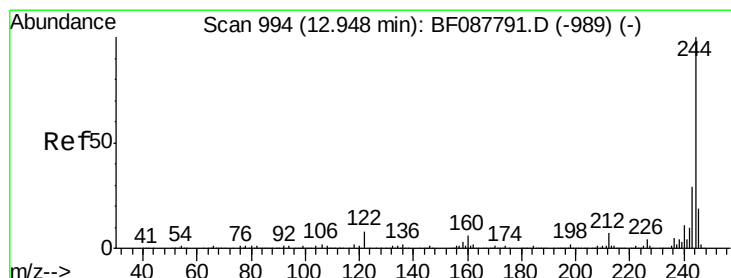
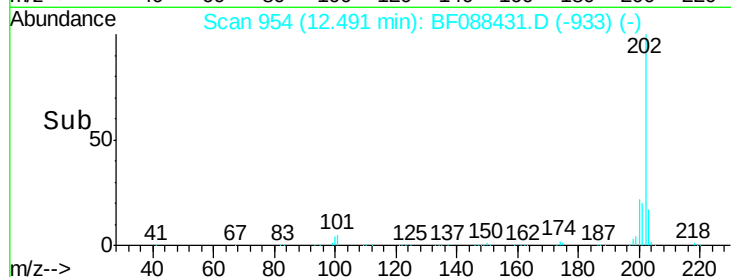
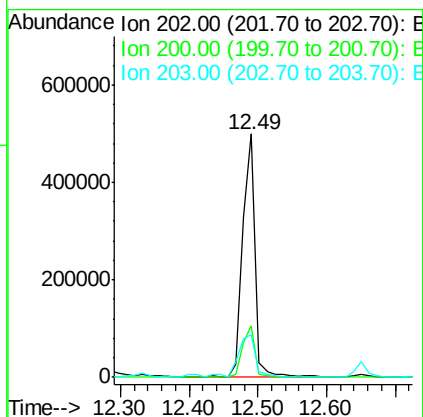
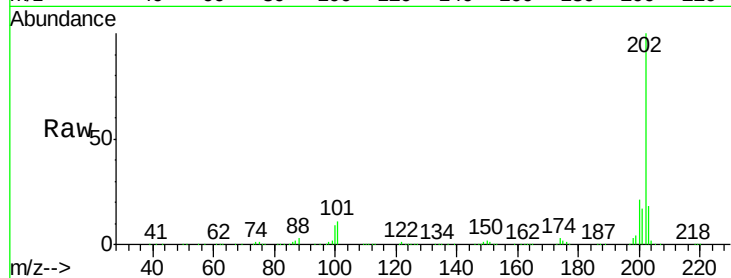
ClientSampled :

SS-3

Tot Ion:	202	Resp:	622983
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.6	14.5	21.7

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#78

Terphenyl-d14

Concen: 48.15 ng

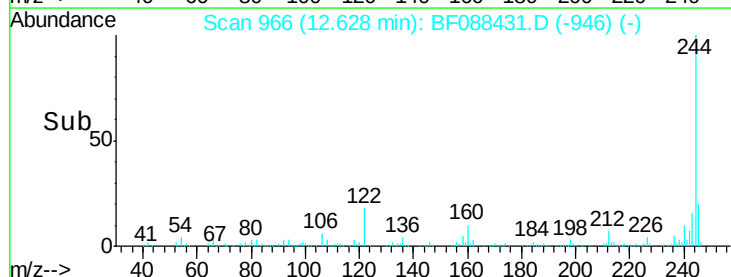
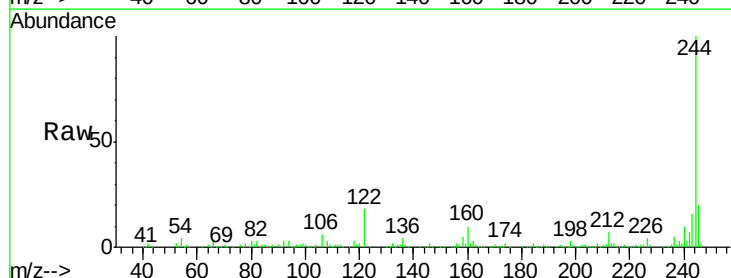
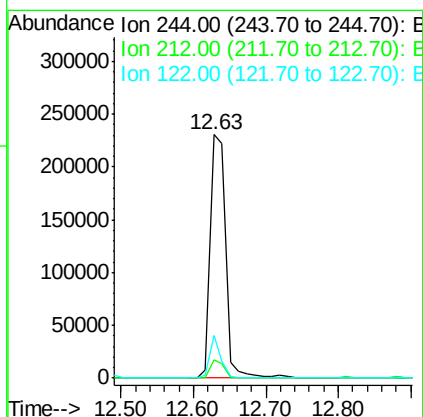
RT: 12.63 min Scan# 966

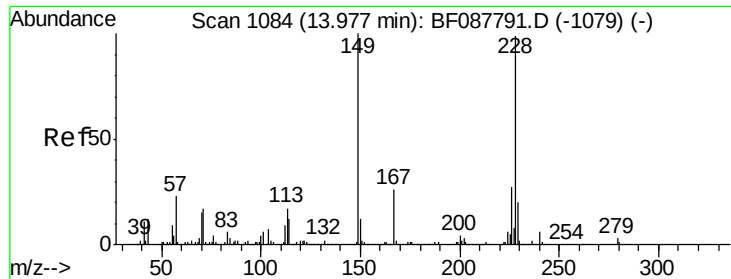
Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Tgt Ion:	244	Resp:	343121
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	17.6	11.2	16.8#





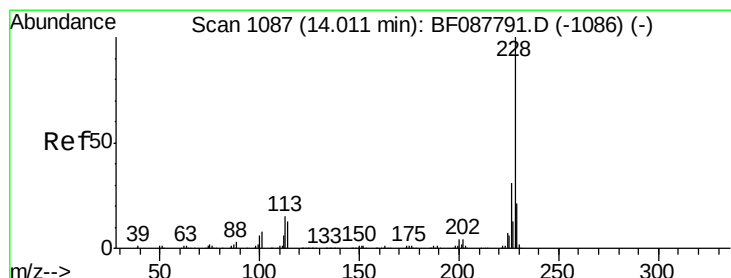
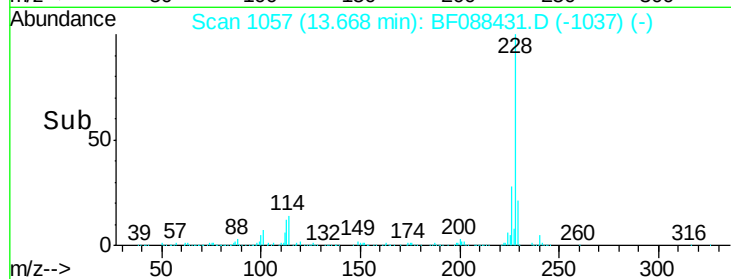
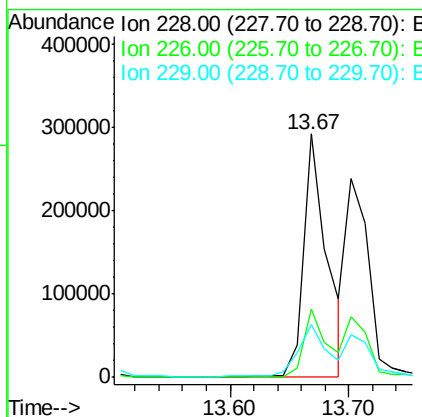
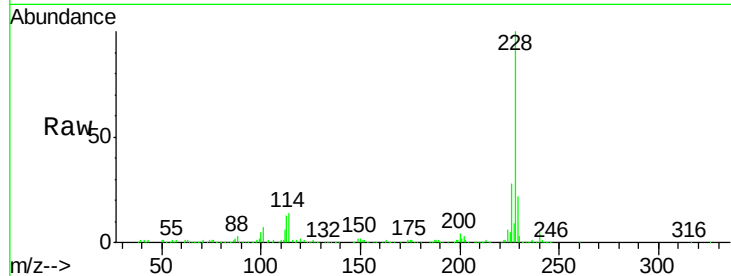
#80
Benzo(a)anthracene
Concen: 43.22 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SS-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	21.7	16.0	24.0

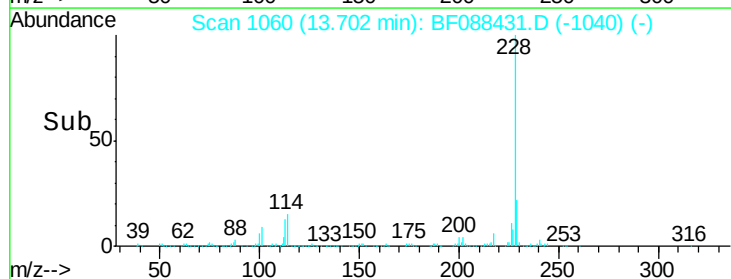
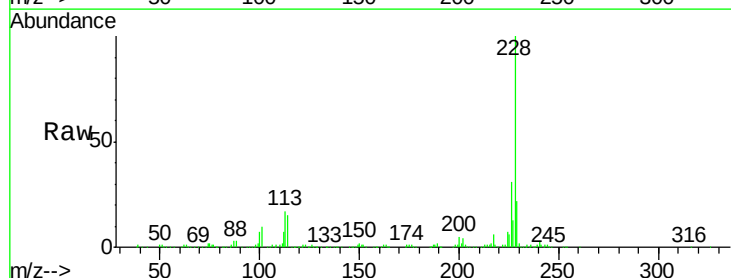
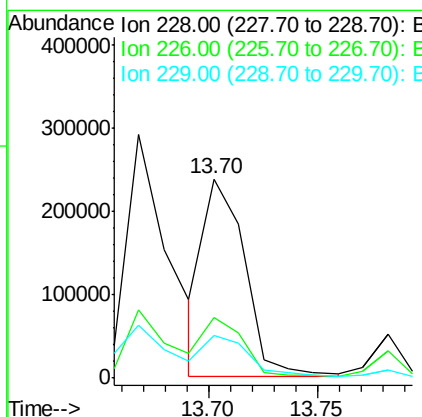
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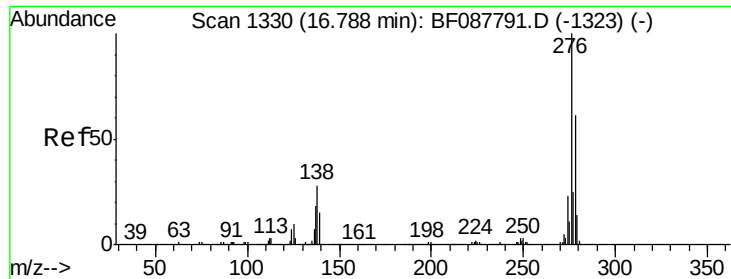
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#82
Chrysene
Concen: 36.16 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.2
229	21.7	16.3	24.5





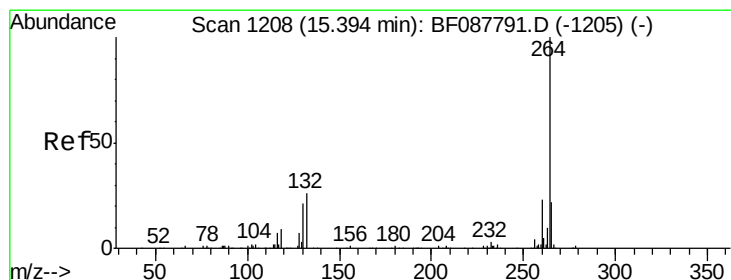
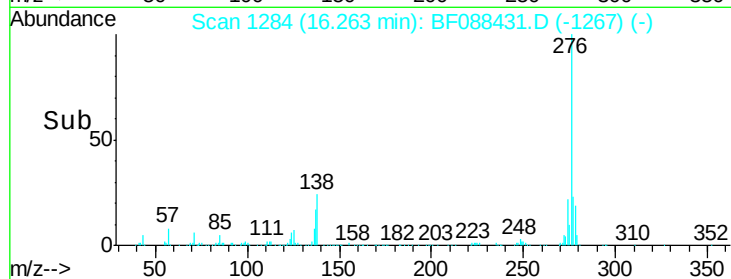
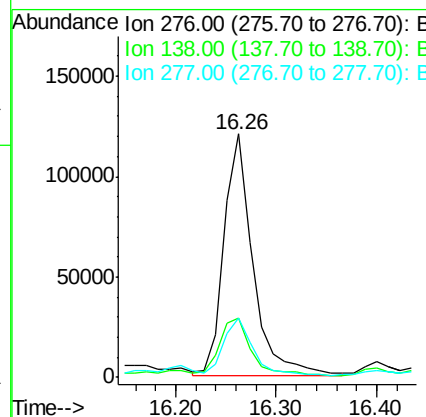
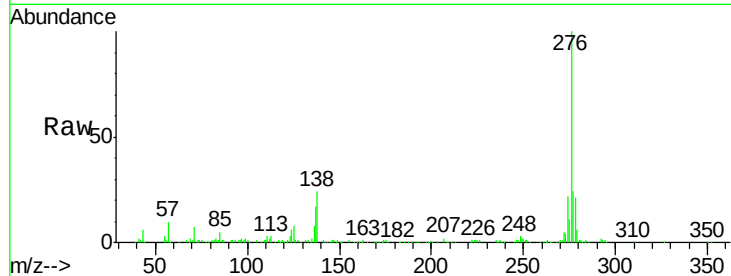
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 29.97 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.10 min
 Lab File: BF088431.D
 Acq: 26 Jun 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-3

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.9	0.0	0.0#
277	23.5	0.0	0.0#

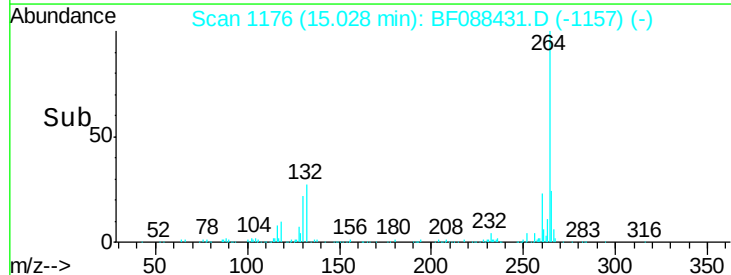
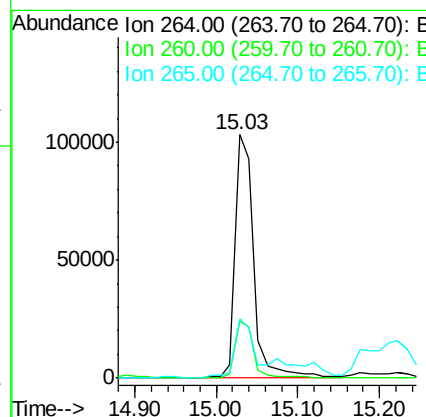
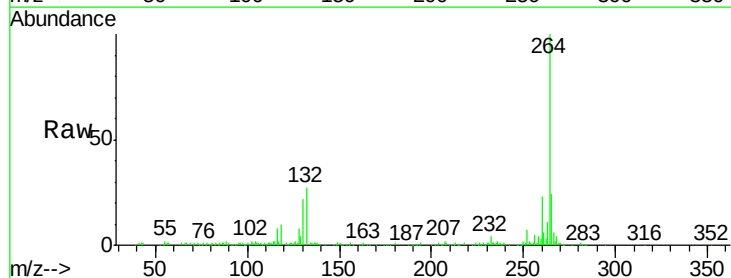
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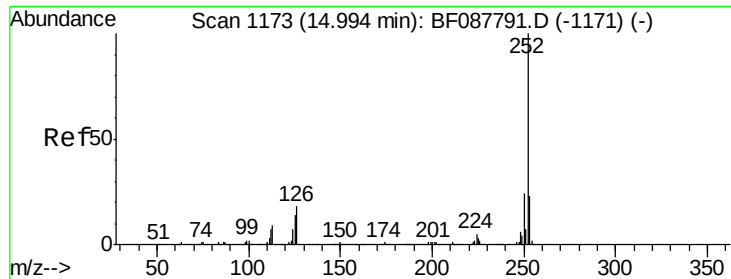
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088431.D
 Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.2	28.8
265	24.3	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 41.34 ng m

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

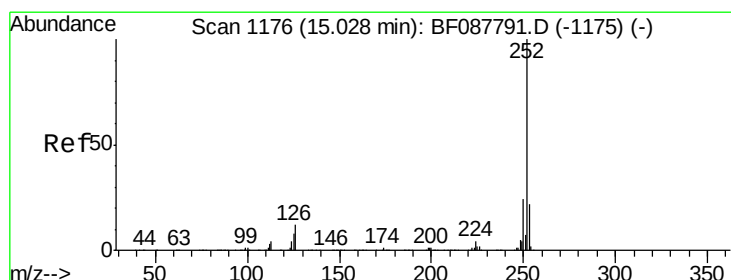
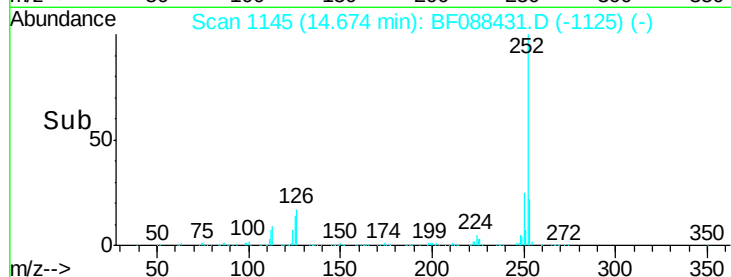
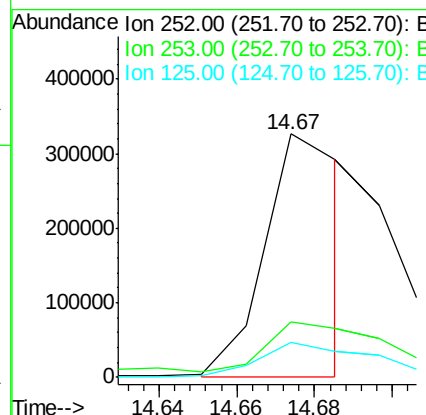
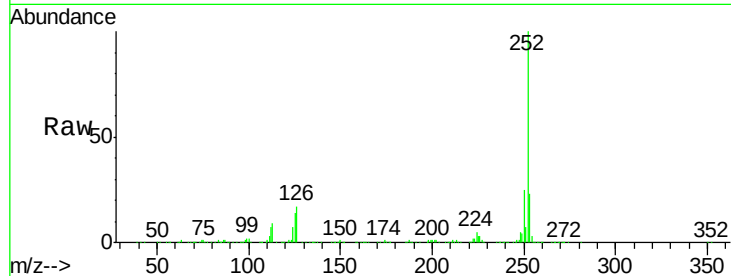
ClientSampleId :

SS-3

Tot Ion:	252	Resp:	472561
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	14.5	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 27.71 ng m

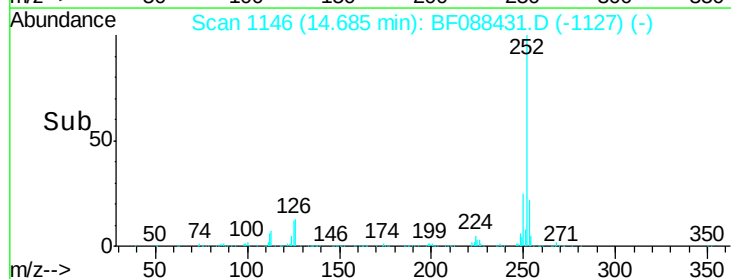
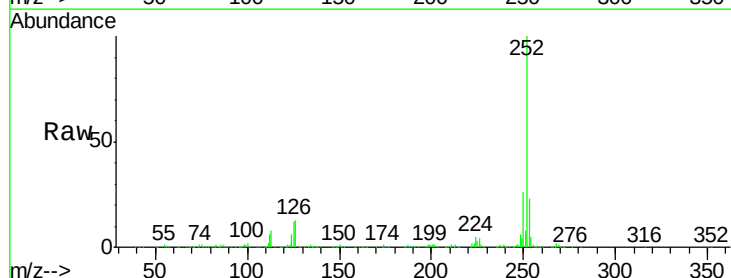
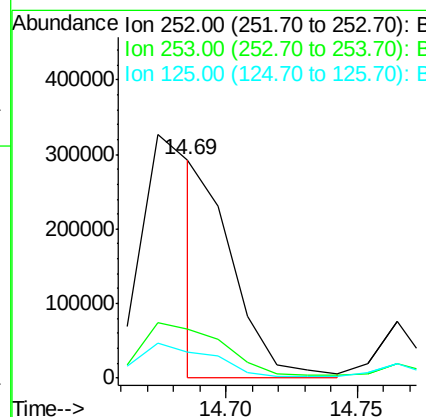
RT: 14.69 min Scan# 1146

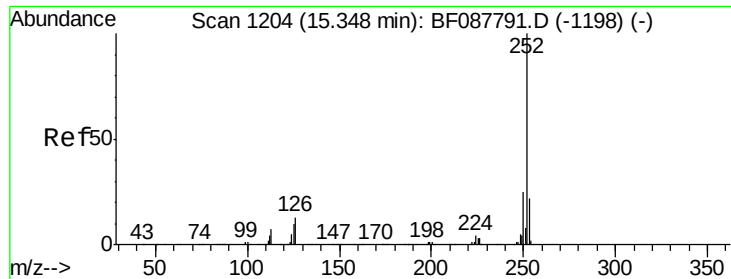
Delta R.T. -0.08 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Tgt Ion:	252	Resp:	238885
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	12.2	11.2	16.8





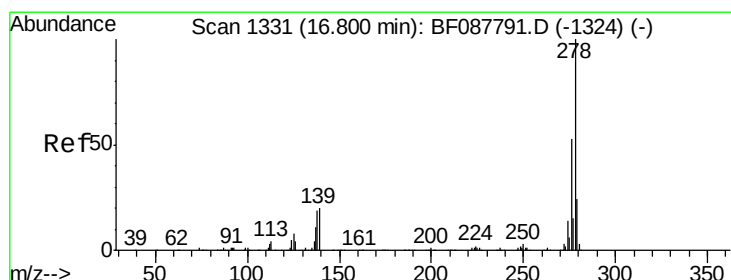
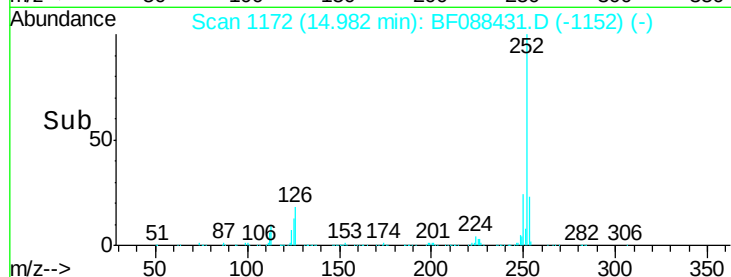
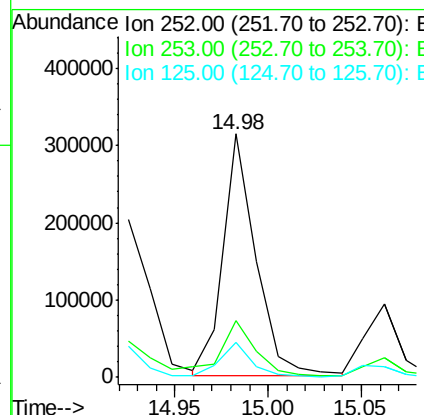
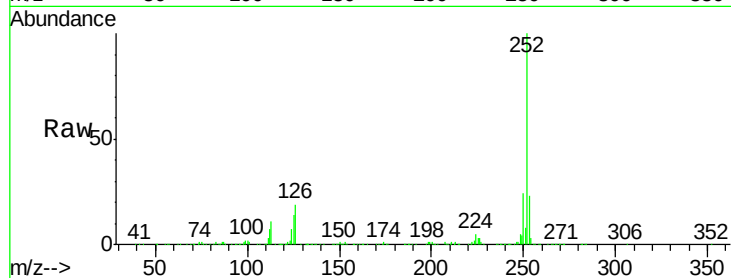
#89
Benzo(a)pyrene
Concen: 42.05 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Instrument :
BNA_F
ClientSampled :
SS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.3	12.5	18.7

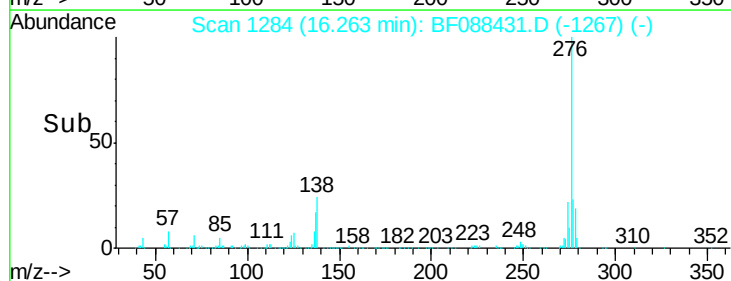
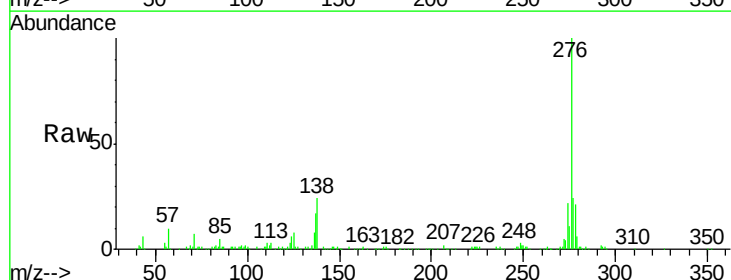
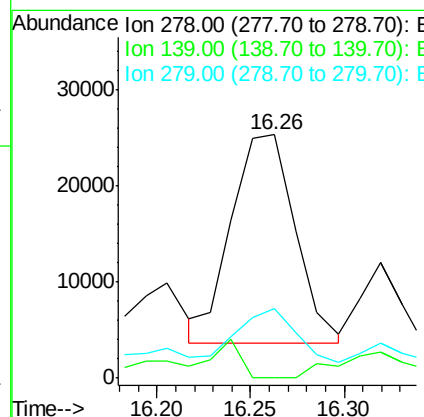
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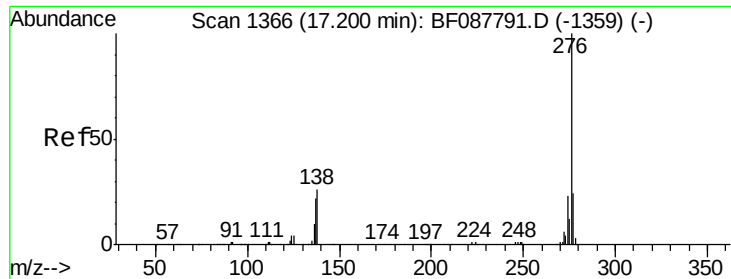
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#90
Dibenzo(a,h)anthracene
Concen: 5.96 ng m
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088431.D
Acq: 26 Jun 2016 21:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.7	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 26.37 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF088431.D

Acq: 26 Jun 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SS-3

Tot Ion:	276	Resp:	232999
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.9	28.3
138	25.9	21.4	32.2

Manual Integrations
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