

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062616\
 Data File : BF088438.D
 Acq On : 27 Jun 2016 5:33
 Operator : UM/SJ
 Sample : H3663-06 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Manual Integrations
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Quant Time: Jun 27 09:09:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 09:02:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	71678	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	289977	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	128691	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	202299	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	141565	20.00	ng	-0.01
86) Perylene-d12	15.04	264	143051	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	94516	22.54	ng	0.00
7) Phenol-d6	6.22	99	120421	23.70	ng	-0.01
23) Nitrobenzene-d5	7.12	82	74452	14.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	21915	16.13	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	154929	14.31	ng	-0.01
78) Terphenyl-d14	12.63	244	97801	15.72	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.85	128	195408	13.62	ng	99
37) 2-Methylnaphthalene	8.55	142	37935	4.01	ng	98
49) Dimethylphthalate	9.31	163	29380	3.15	ng	98
51) Acenaphthene	9.61	154	129059	15.62	ng	98
54) Dibenzofuran	9.78	168	71705	6.30	ng	93
57) Fluorene	10.12	166	69860	4.77	ng	98
70) Phenanthrene	11.08	178	694850	65.46	ng	99
71) Anthracene	11.13	178	203149	18.97	ng	98
72) Carbazole	11.30	167	118413	11.82	ng	97
74) Fluoranthene	12.26	202	738901	65.96	ng	99
77) Pyrene	12.49	202	703296	66.95	ng	100
80) Benzo(a)anthracene	13.67	228	433817	53.78	ng	96
82) Chrysene	13.71	228	371932	49.01	ng	96
85) Indeno(1,2,3-cd)pyrene	16.26	276	235264	33.36	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	632366m	63.42	ng	
88) Benzo(k)fluoranthene	14.70	252	106286m	14.13	ng	
89) Benzo(a)pyrene	14.98	252	394179	48.86	ng	98
90) Dibenzo(a,h)anthracene	16.26	278	54027m	7.21	ng	
91) Benzo(g,h,i)perylene	16.63	276	223906	29.05	ng	97

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

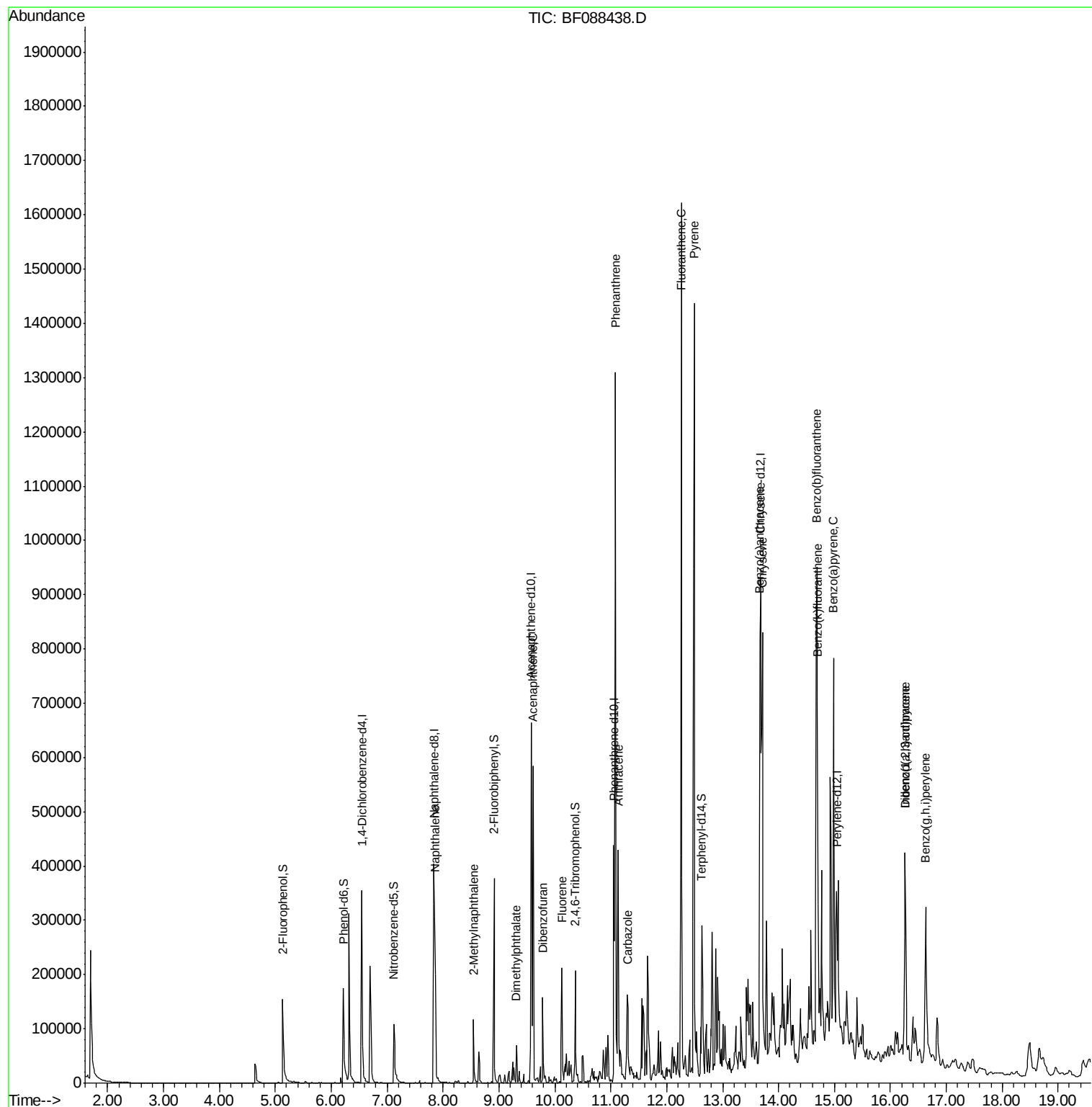
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062616\
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#1

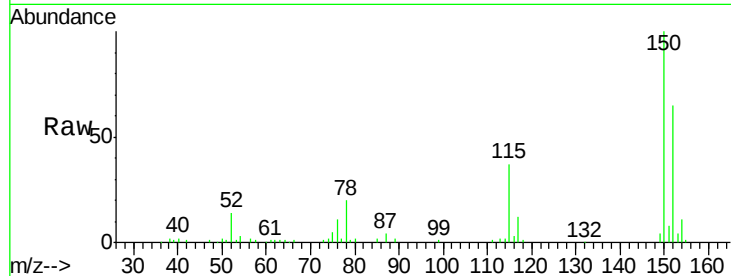
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampled :
SS-4

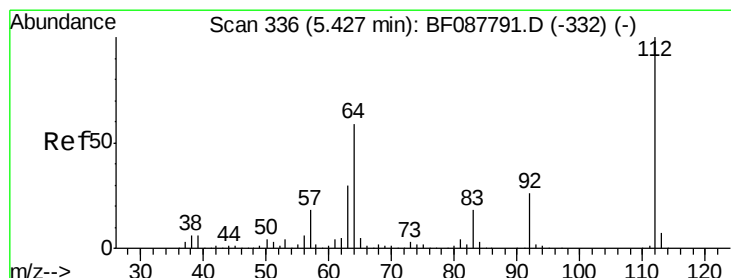
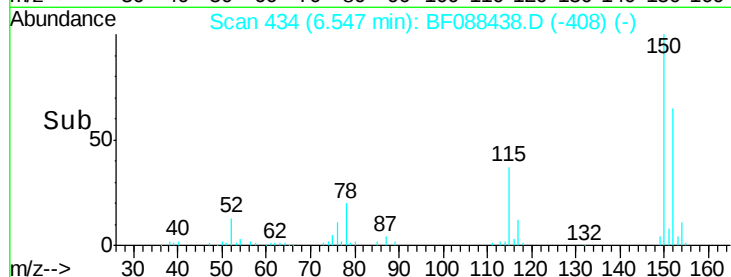
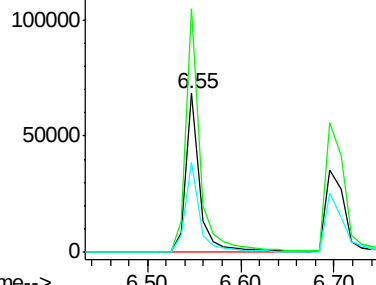
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.6
115	56.3	39.6	59.4

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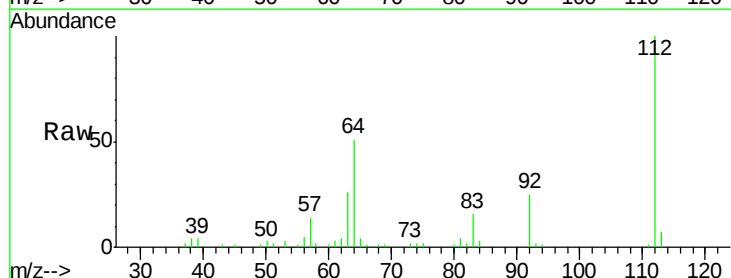
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



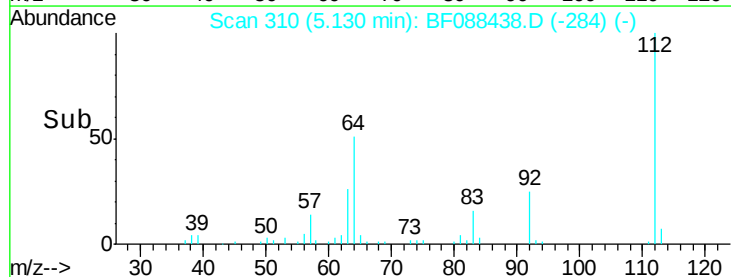
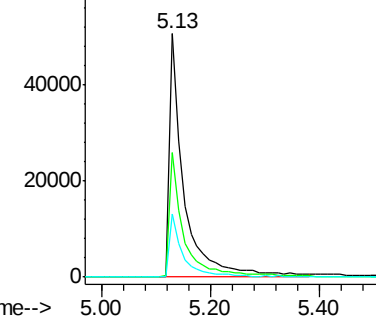
#5

2-Fluorophenol
Concen: 22.54 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.2	63.2
63	25.9	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: 23.70 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

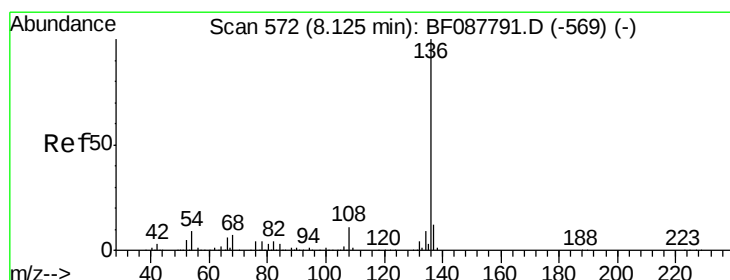
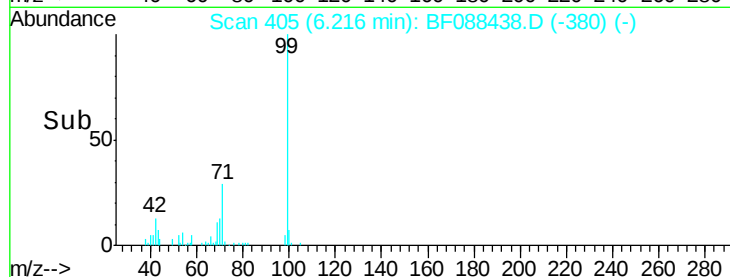
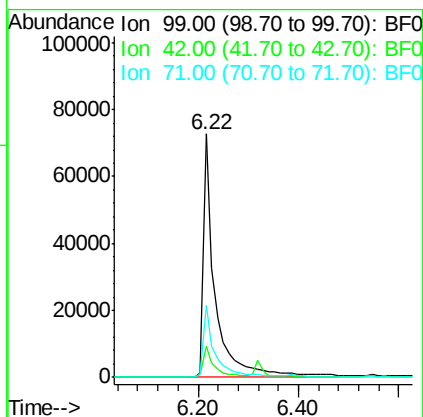
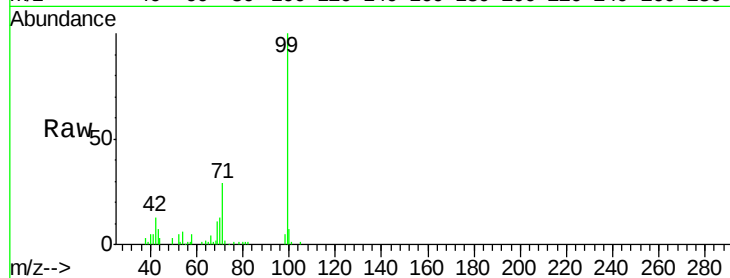
ClientSampled :

SS-4

Tgt Ion:	99	Resp:	120421
Ion Ratio	Lower	Upper	
99	100		
42	12.7	12.2	18.2
71	29.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

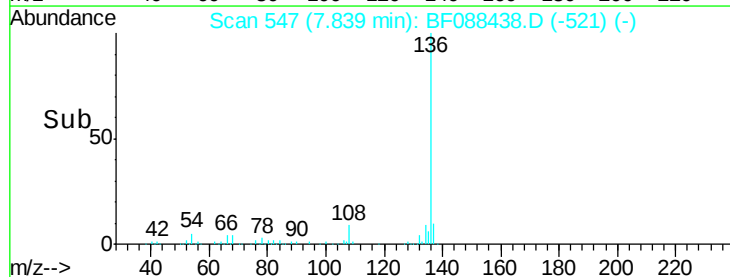
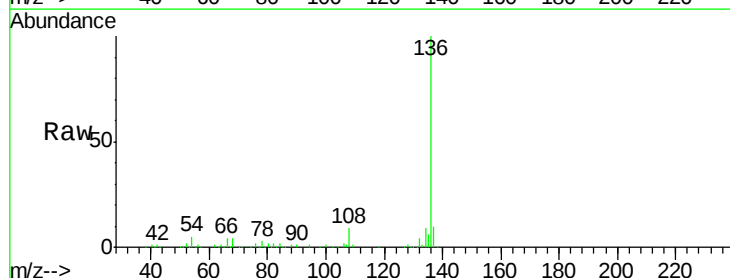
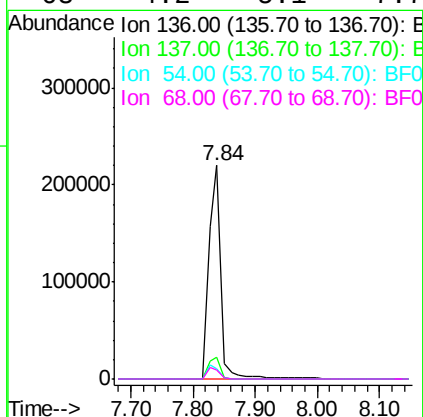
RT: 7.84 min Scan# 547

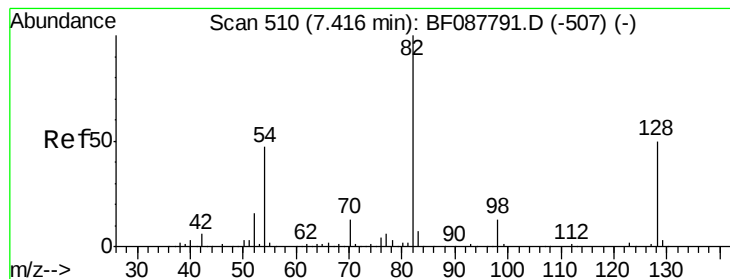
Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Tgt Ion:	136	Resp:	289977
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.1	13.7
54	4.8	6.6	10.0#
68	4.2	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 14.99 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

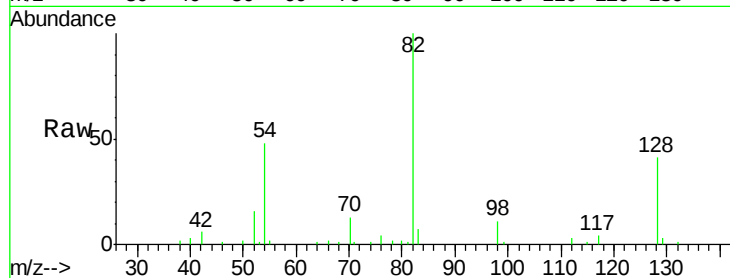
ClientSampled :

SS-4

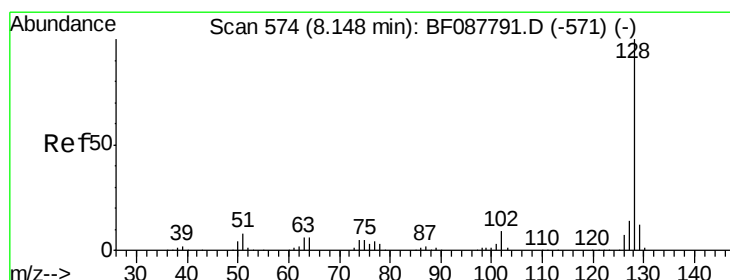
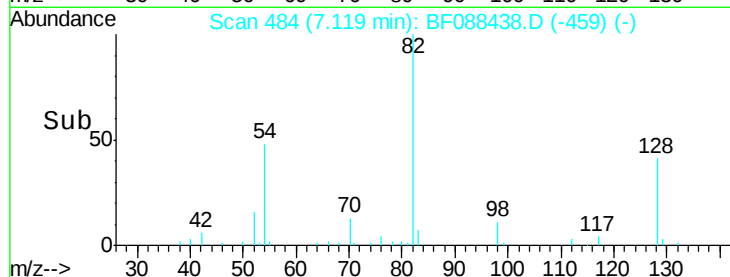
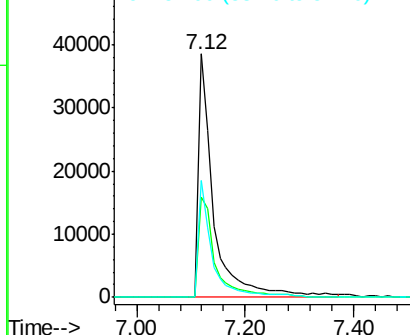
Tgt Ion:	82	Resp:	74452
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.9	53.9
54	48.1	40.9	61.3

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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: 13.62 ng

RT: 7.85 min Scan# 548

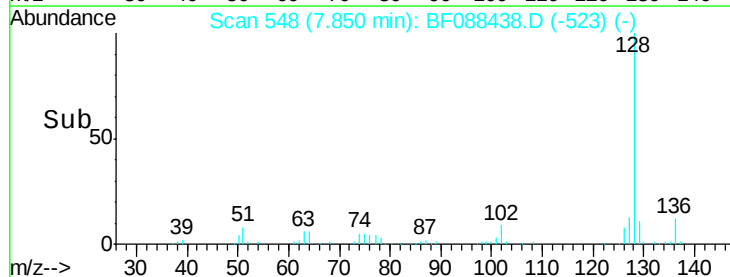
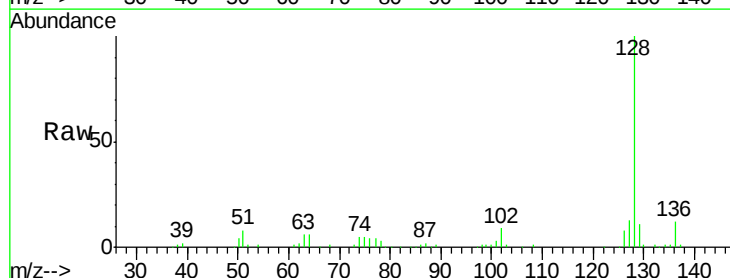
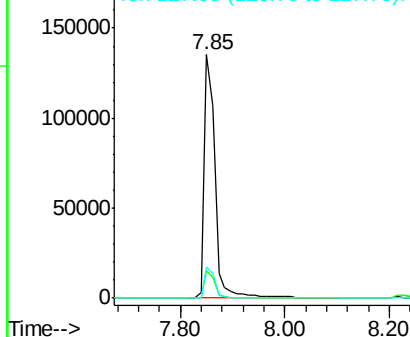
Delta R.T. -0.01 min

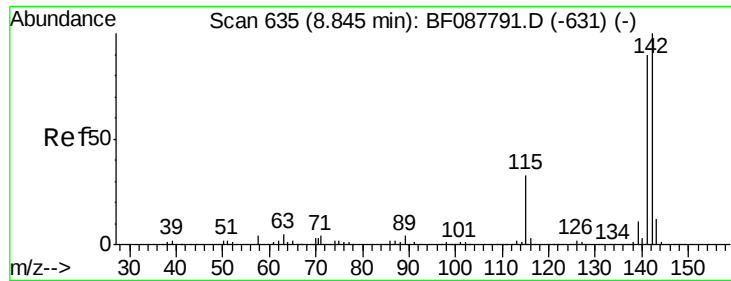
Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Tgt Ion:	128	Resp:	195408
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.4	14.2
127	13.0	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





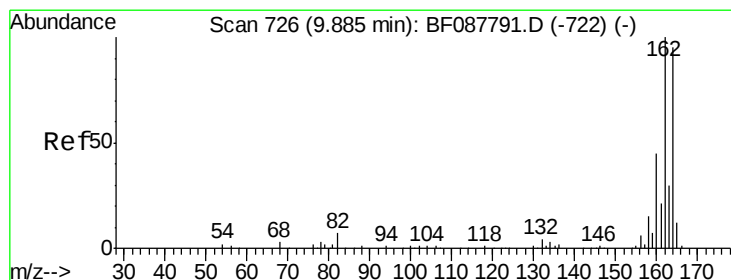
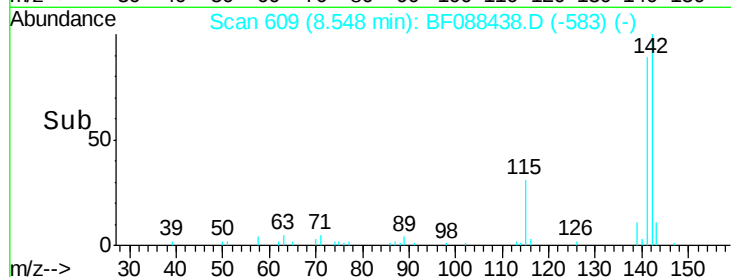
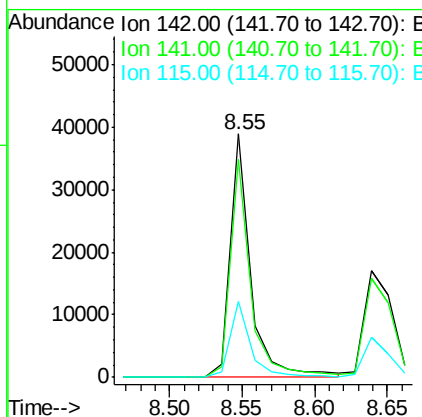
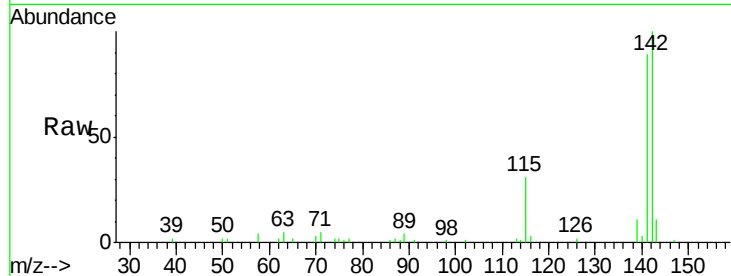
#37
2-Methylnaphthalene
Concen: 4.01 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampled :
SS-4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.0	106.6
115	31.4	22.6	33.8

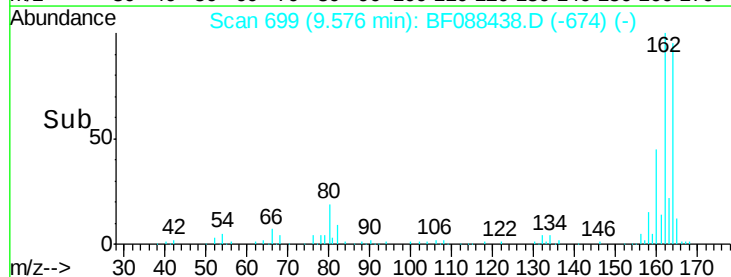
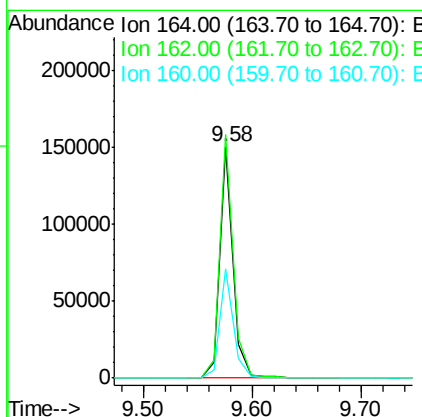
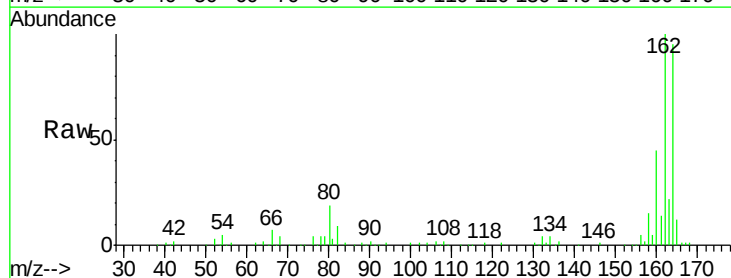
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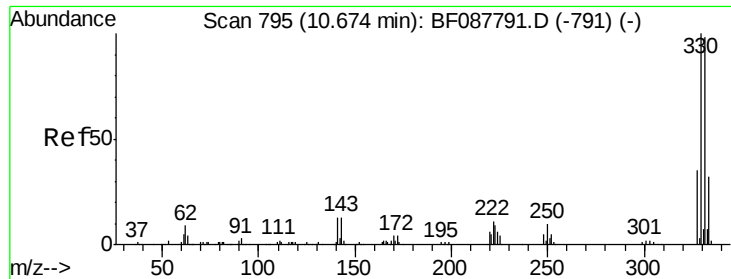
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	85.4	128.2
160	47.2	39.5	59.3





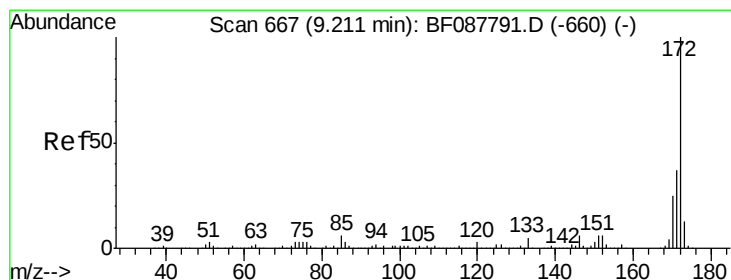
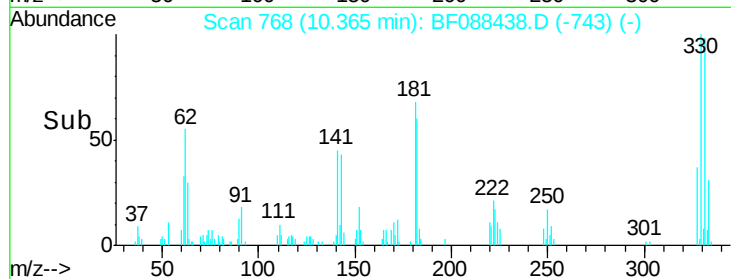
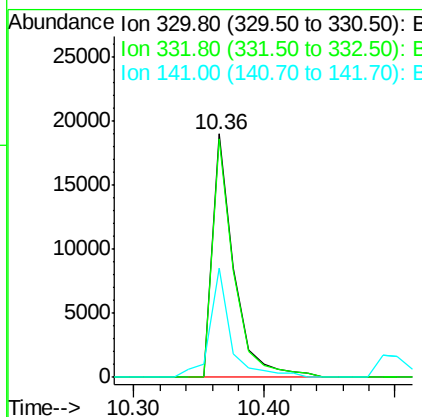
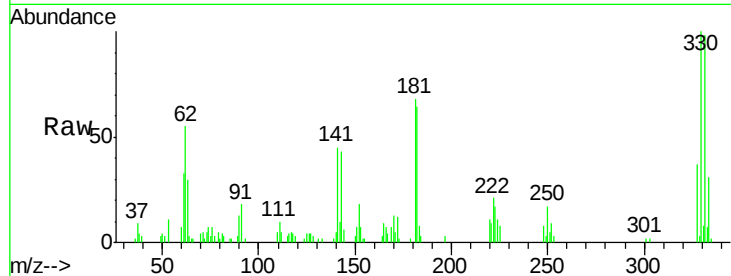
#41
 2,4,6-Tribromophenol
 Concen: 16.13 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampled :
 SS-4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21915		
332	97.5	0.0	0.0	0.0
141	43.4	0.0	0.0	0.0

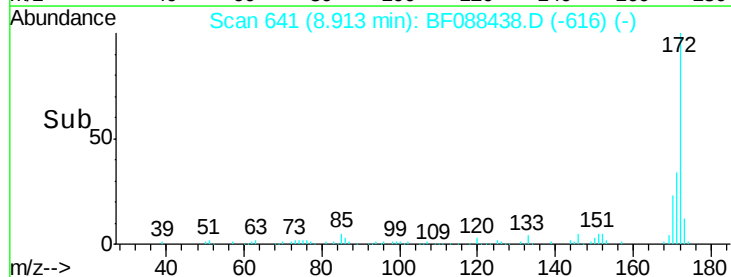
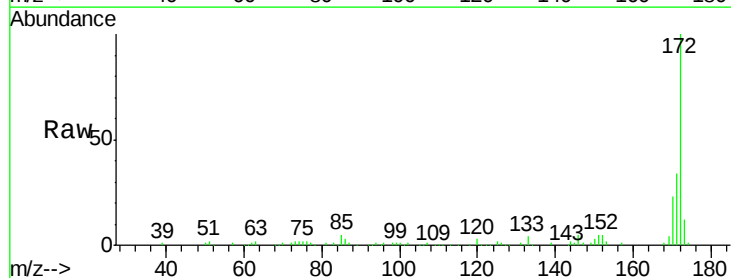
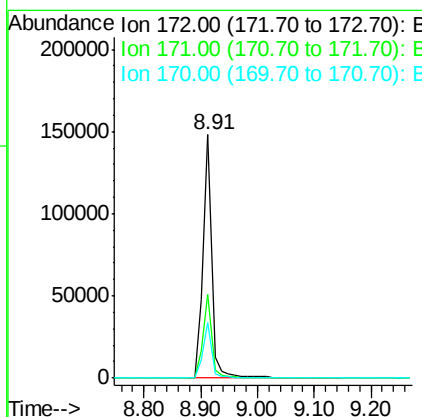
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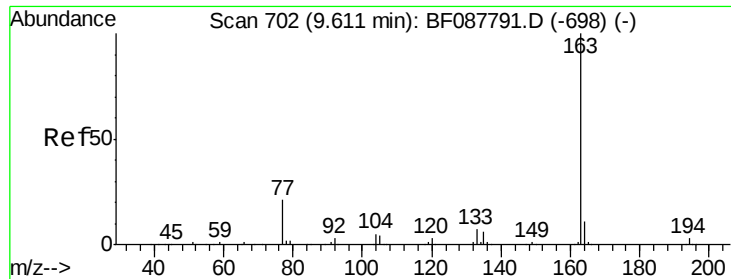
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#44
 2-Fluorobiphenyl
 Concen: 14.31 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	154929		
171	34.2	28.6	43.0	
170	22.5	19.2	28.8	





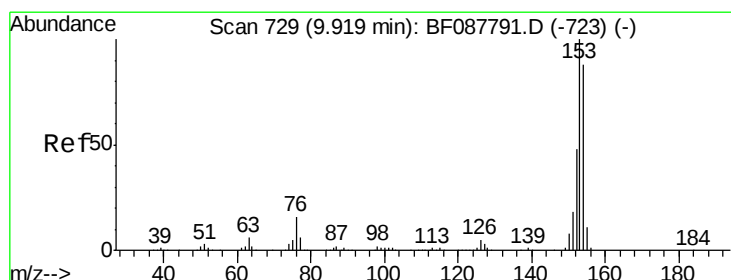
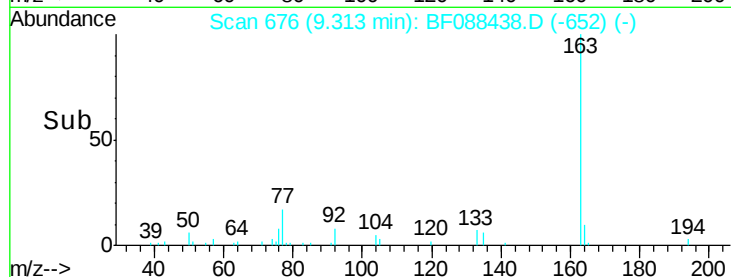
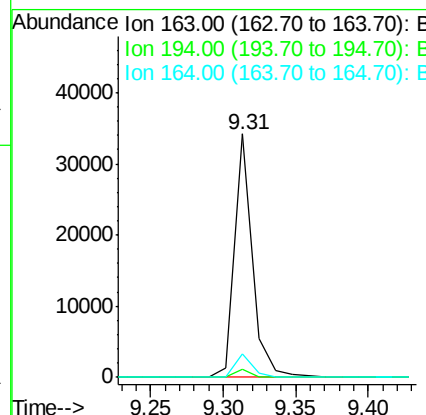
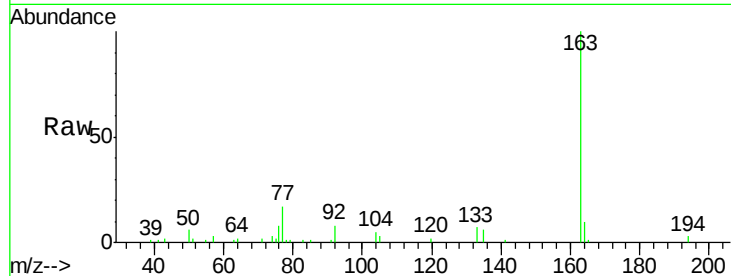
#49
Dimethylphthalate
Concen: 3.15 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29380		
194	3.3	2.8	4.2	
164	9.6	8.3	12.5	

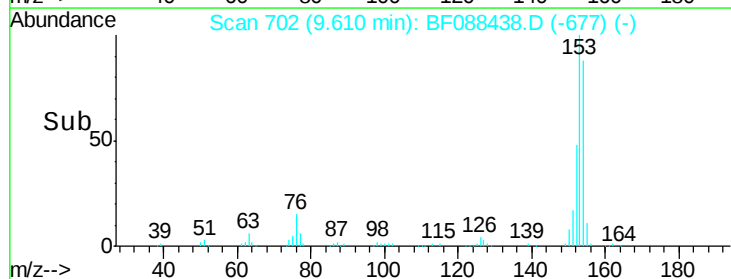
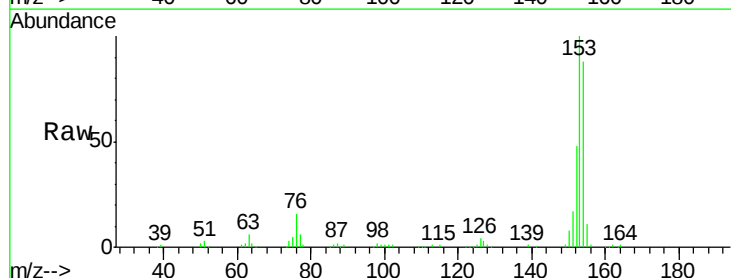
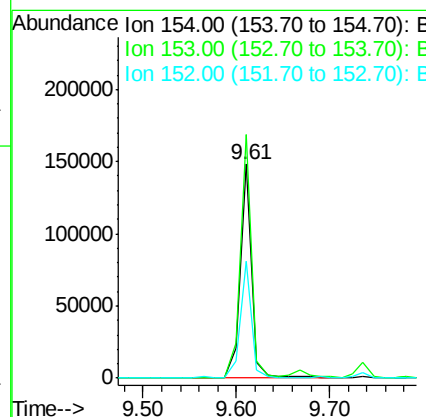
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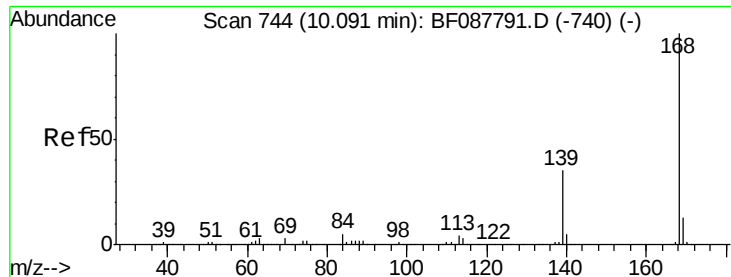
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#51
Acenaphthene
Concen: 15.62 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	129059		
153	113.8	89.5	134.3	
152	54.5	42.7	64.1	





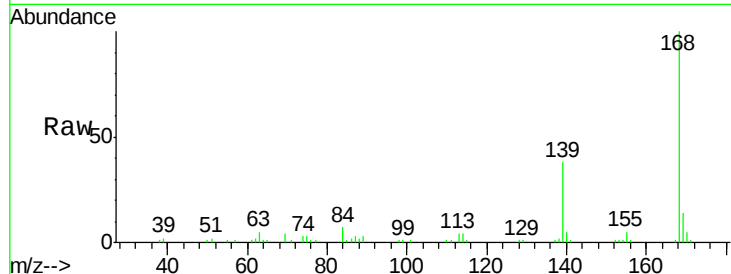
#54
Dibenzenofuran
Concen: 6.30 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

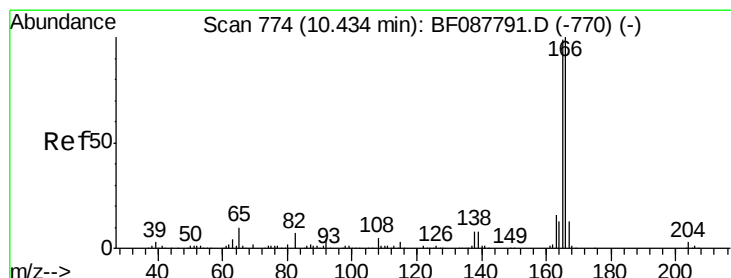
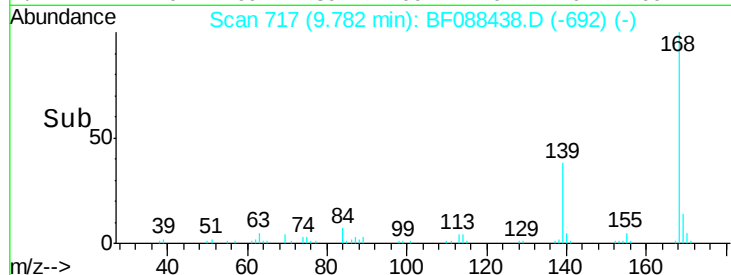
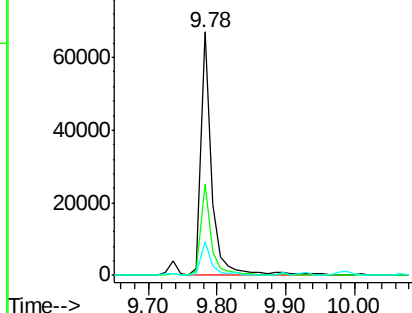
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	26.4	39.6
169	13.9	10.4	15.6

Manual Integrations
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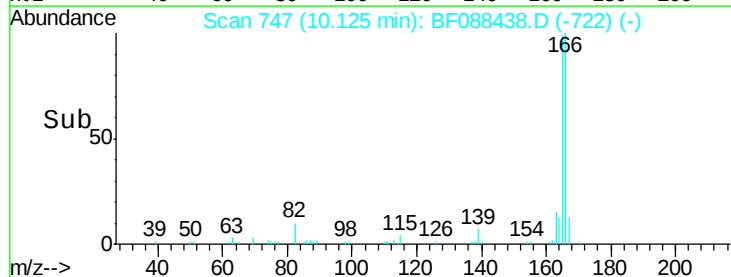
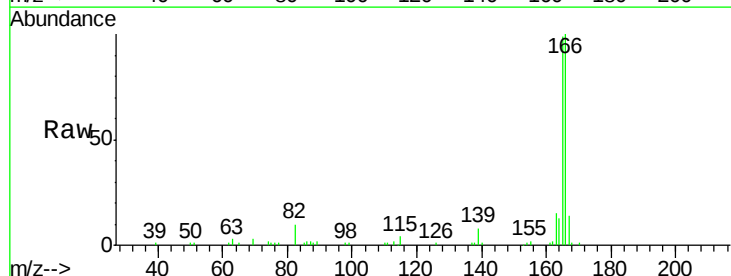
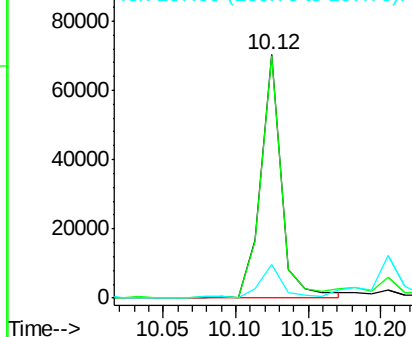
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

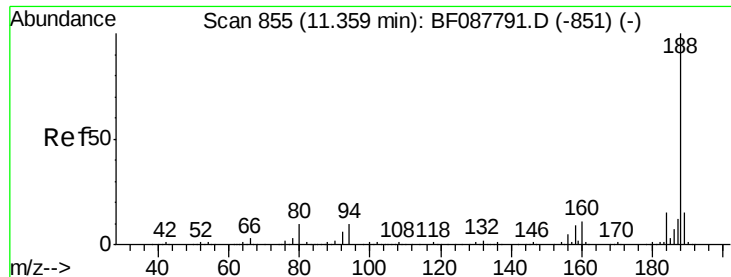


#57
Fluorene
Concen: 4.77 ng
RT: 10.12 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.8
167	13.9	11.2	16.8

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





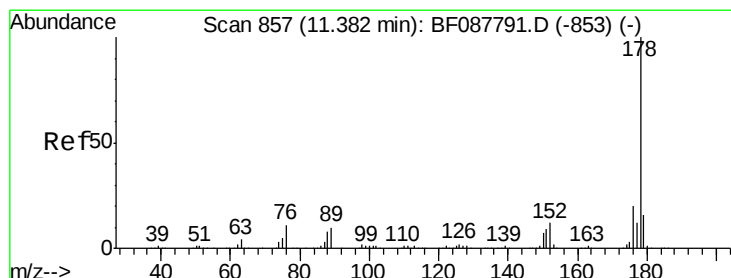
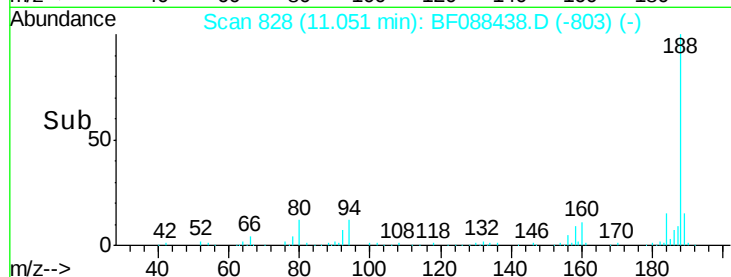
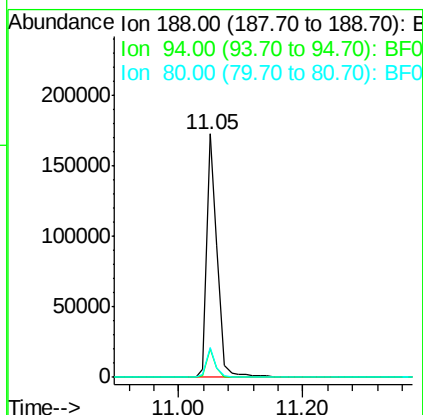
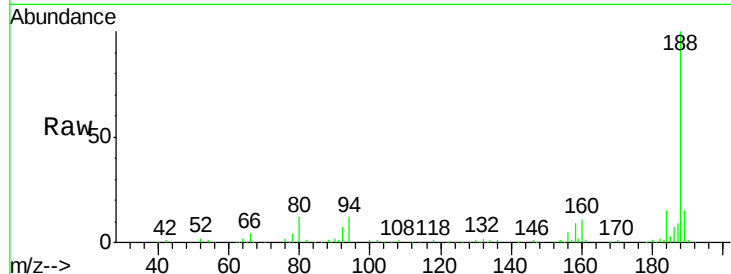
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	202299		
94	11.8	9.0	13.6	
80	12.3	10.0	15.0	

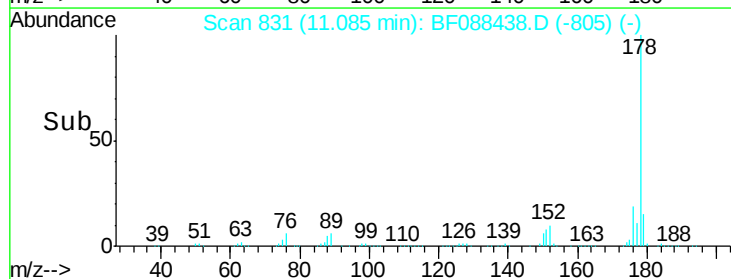
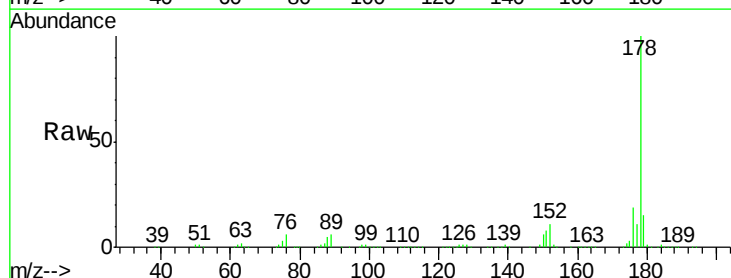
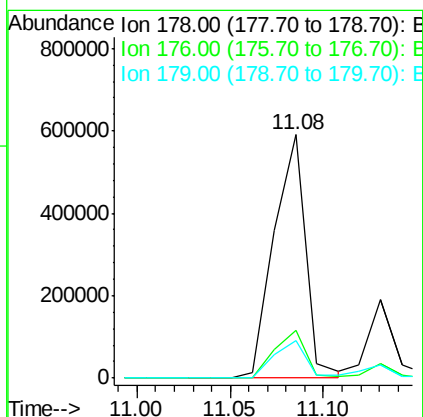
Manual Integrations
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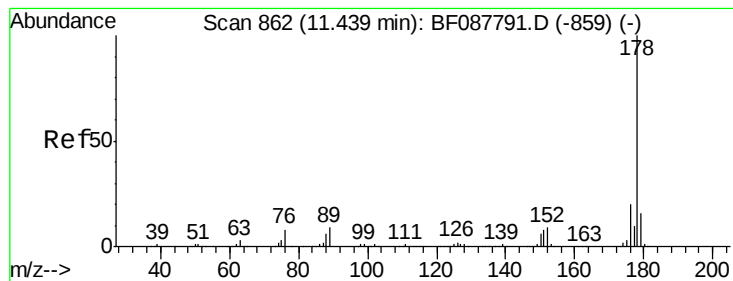
sohil
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#70
Phenanthrene
Concen: 65.46 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	694850		
176	19.4	15.8	23.6	
179	15.2	13.0	19.4	





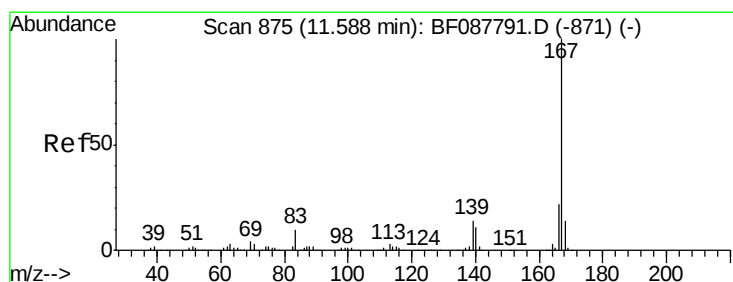
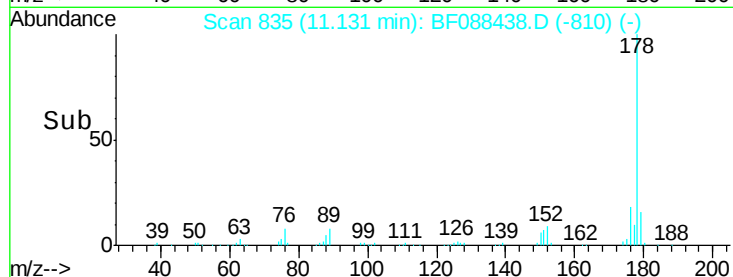
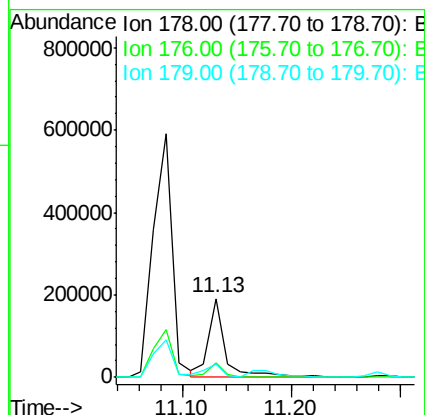
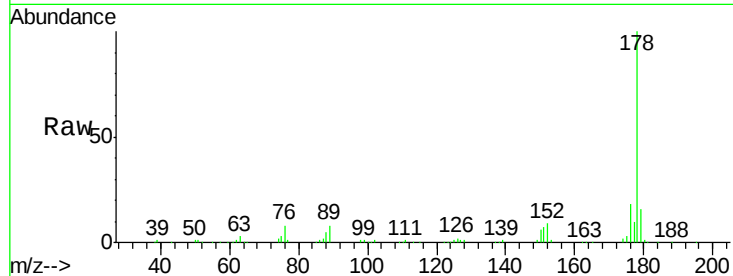
#71
 Anthracene
 Concen: 18.97 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	16.0	12.8	19.2

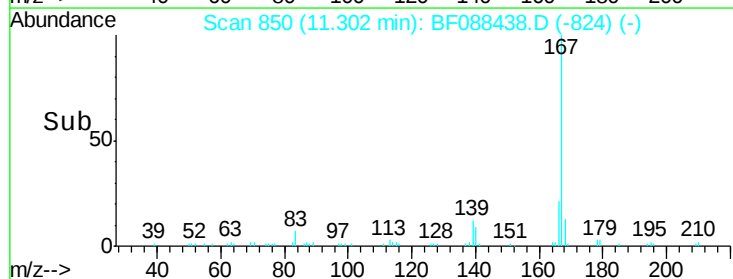
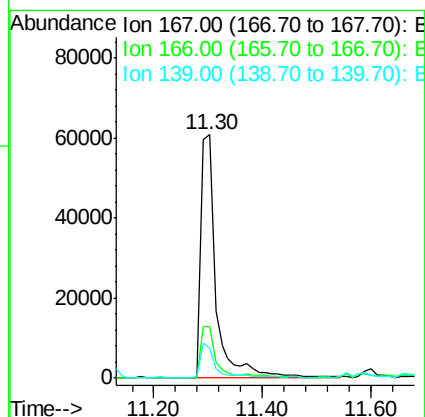
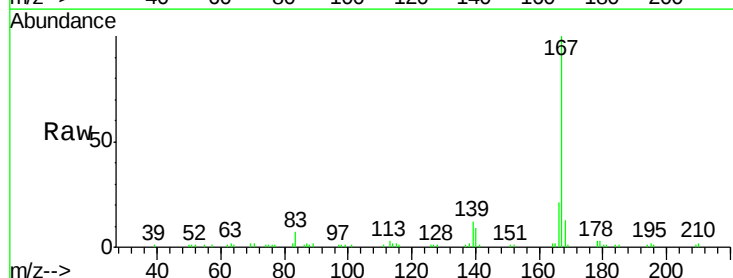
Manual Integrations
 APPROVED

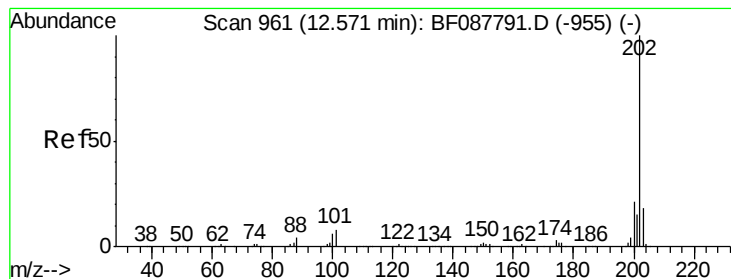
sohil
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#72
 Carbazole
 Concen: 11.82 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	12.0	11.2	16.8





#74

Fluoranthene

Concen: 65.96 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

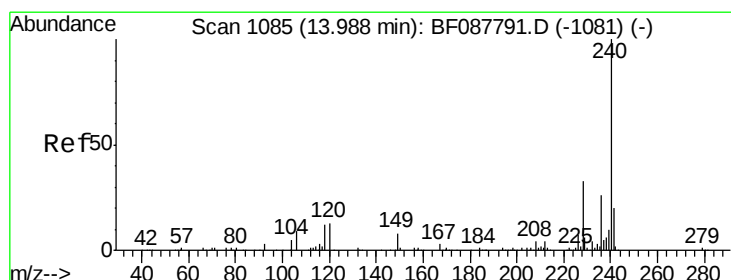
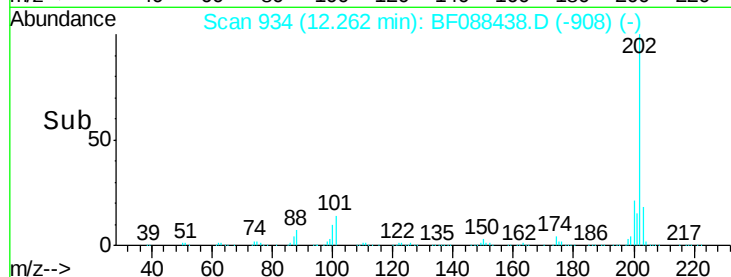
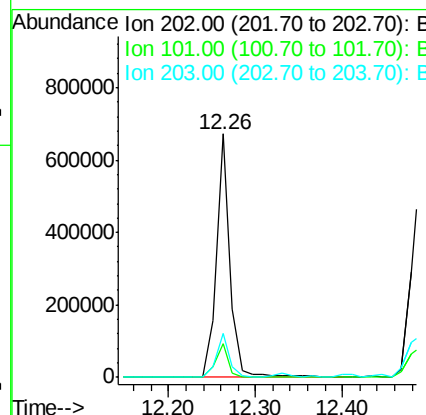
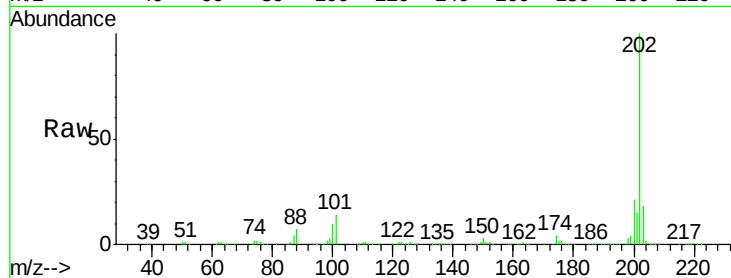
ClientSampled :

SS-4

Tgt	Ion	202	Resp:	738901
Ion	Ratio	Lower	Upper	
202	100			
101	13.9	0.0	33.1	
203	18.0	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

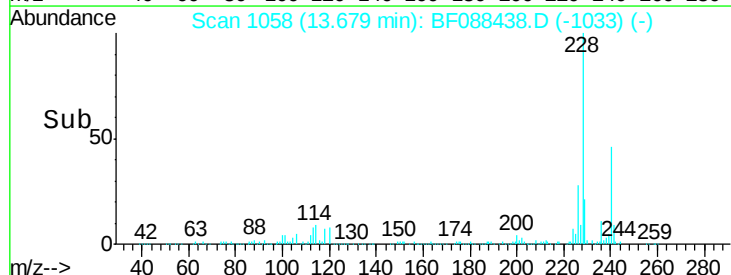
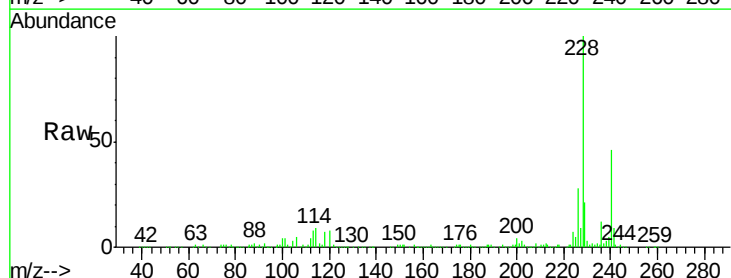
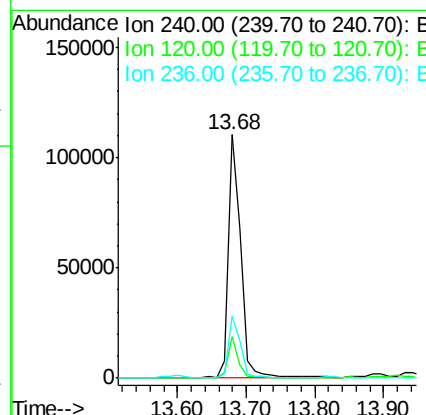
RT: 13.68 min Scan# 1058

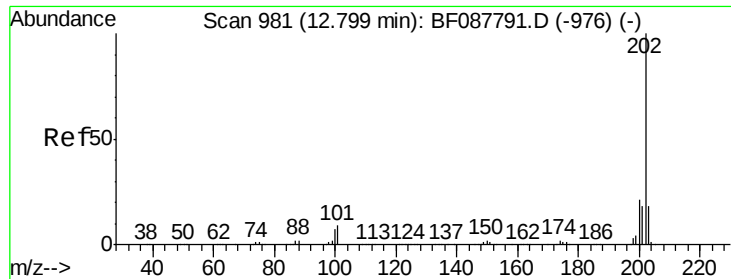
Delta R.T. -0.01 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Tgt	Ion	240	Resp:	141565
Ion	Ratio	Lower	Upper	
240	100			
120	17.0	6.8	10.2#	
236	25.2	20.2	30.2	





#77

Pyrene

Concen: 66.95 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

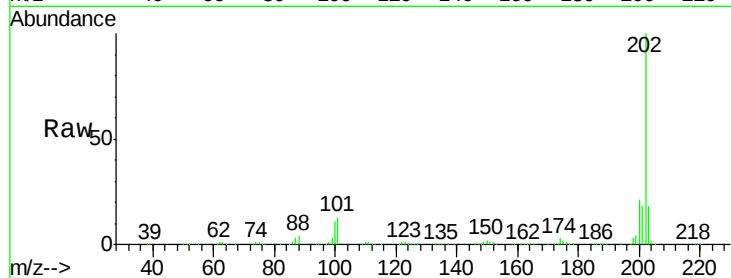
ClientSampled :

SS-4

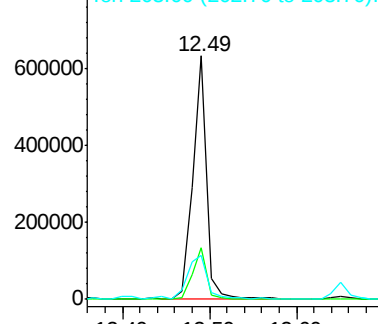
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.5	21.7

Manual Integrations
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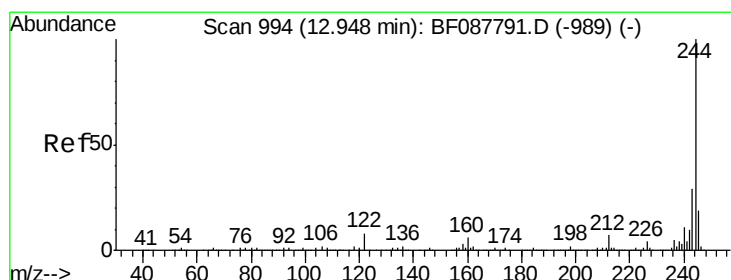
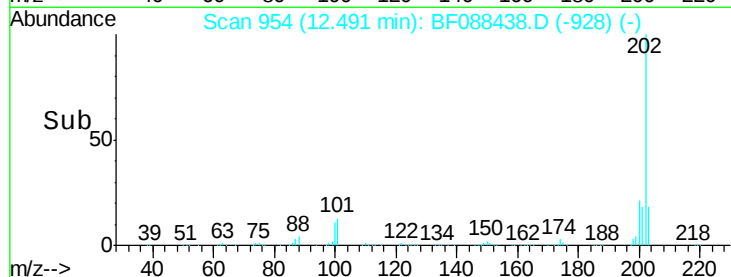
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 15.72 ng

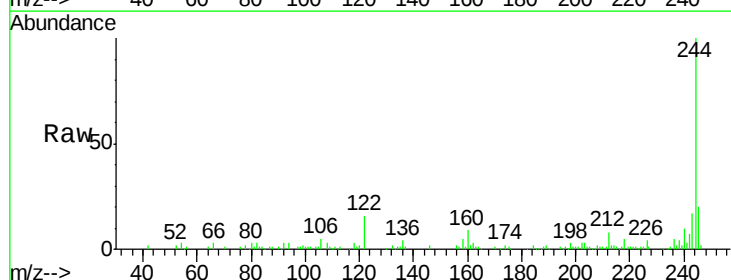
RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

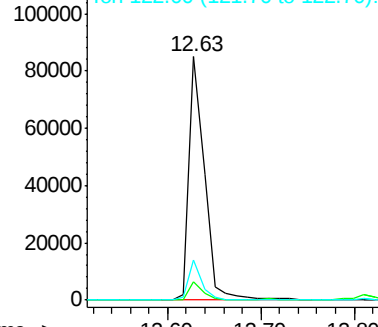
Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

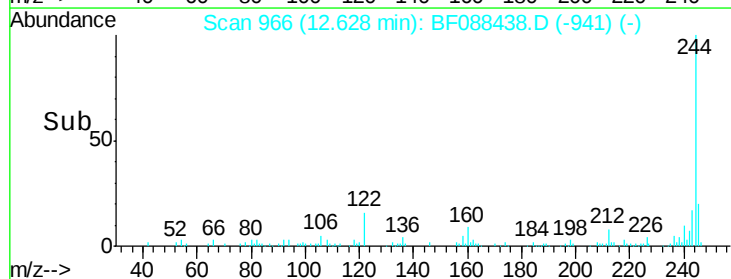
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	16.4	11.2	16.8

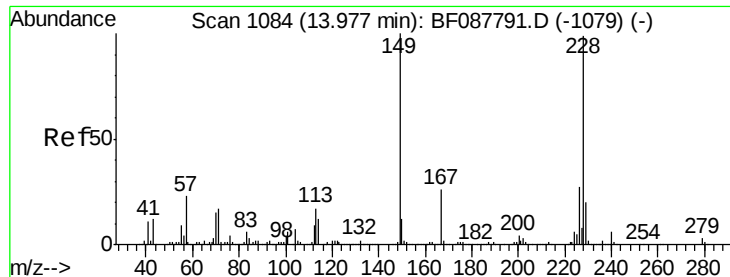


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 53.78 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

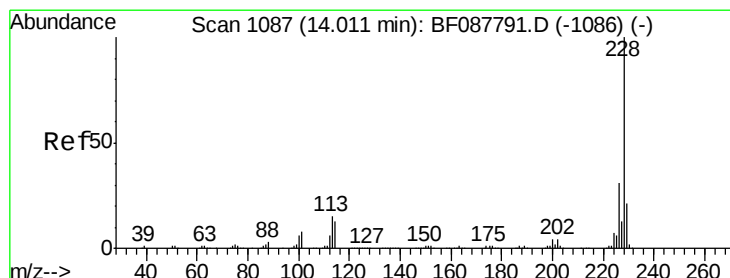
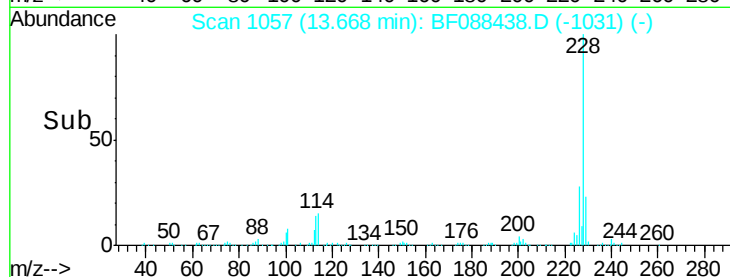
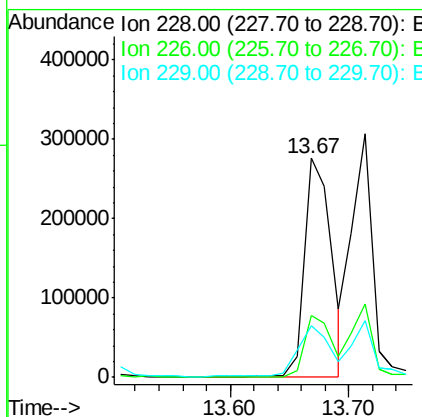
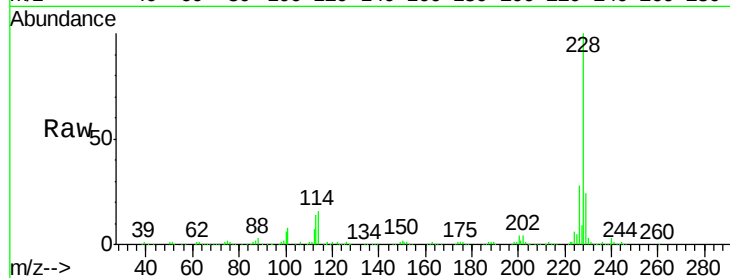
ClientSampleId :

SS-4

Tgt Ion:	228	Resp:	433817
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.3	33.5
229	23.7	16.0	24.0

Manual Integrations
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#82

Chrysene

Concen: 49.01 ng

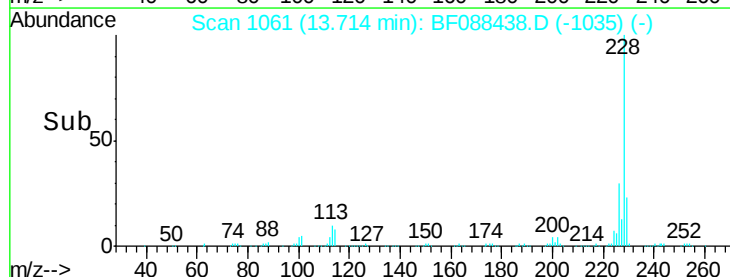
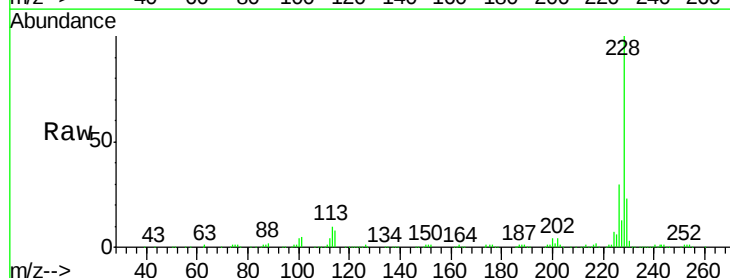
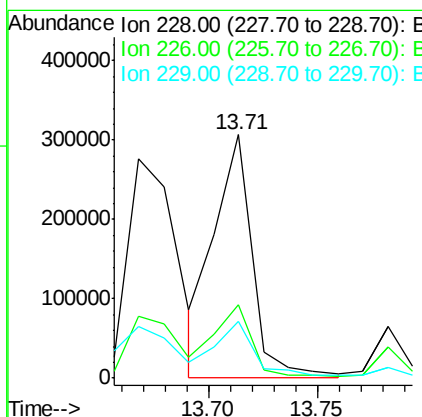
RT: 13.71 min Scan# 1061

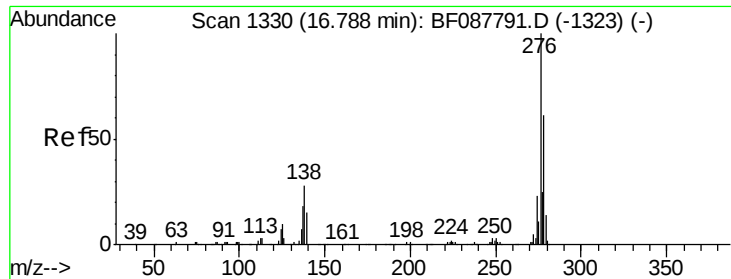
Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Tgt Ion:	228	Resp:	371932
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.2
229	23.2	16.3	24.5





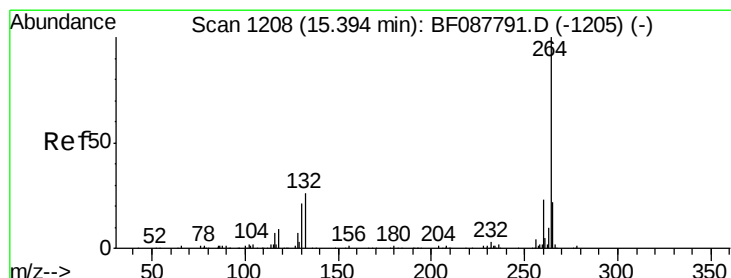
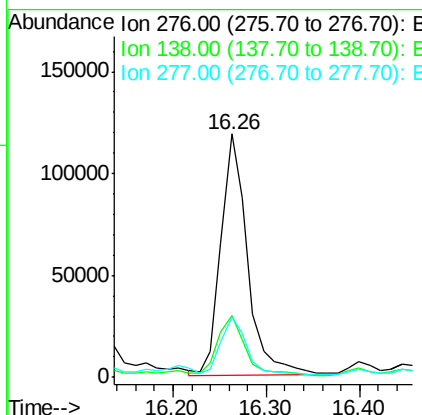
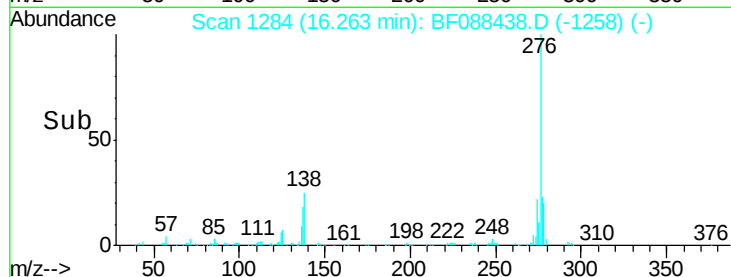
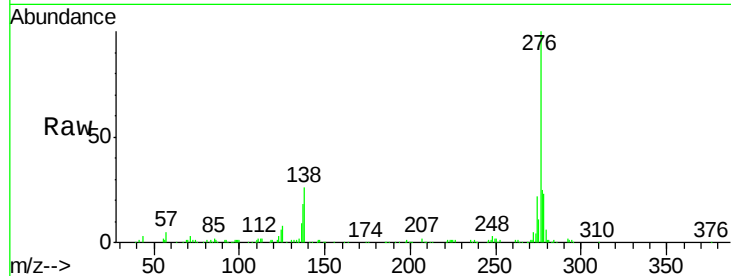
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.36 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.0	0.0	0.0#
277	23.0	0.0	0.0#

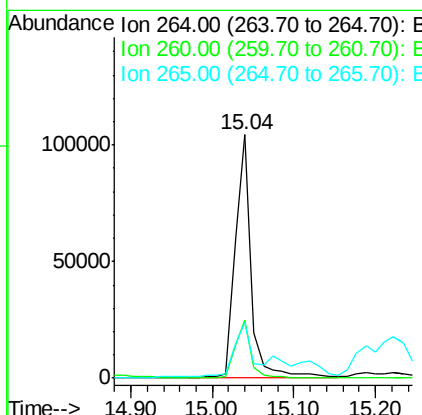
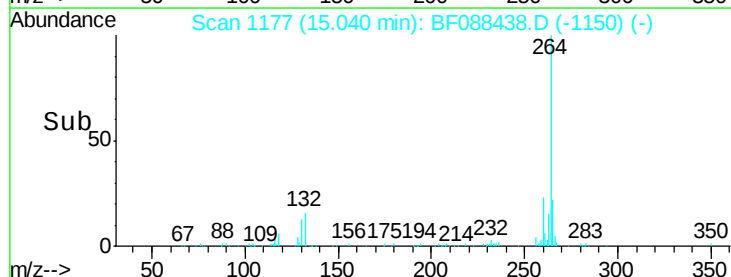
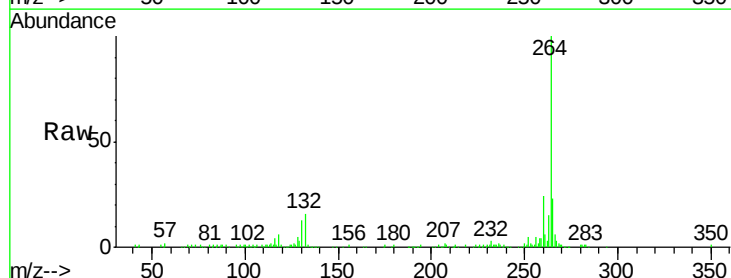
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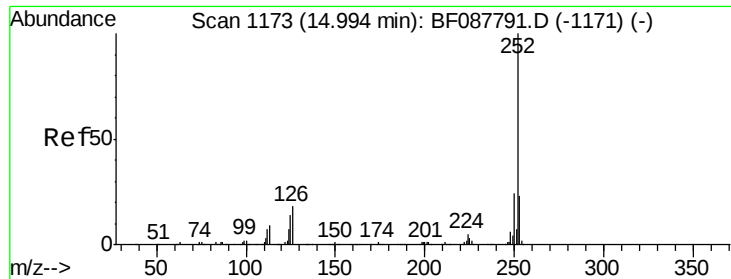
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF088438.D
 Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	19.2	28.8
265	22.8	16.9	25.3





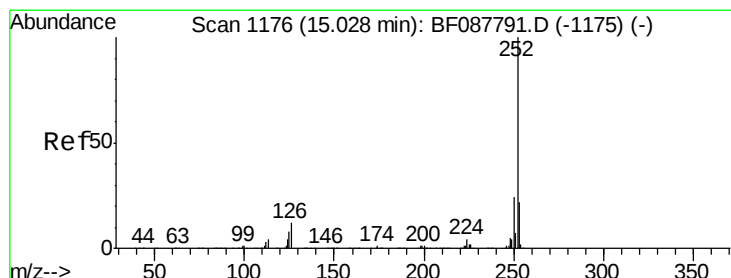
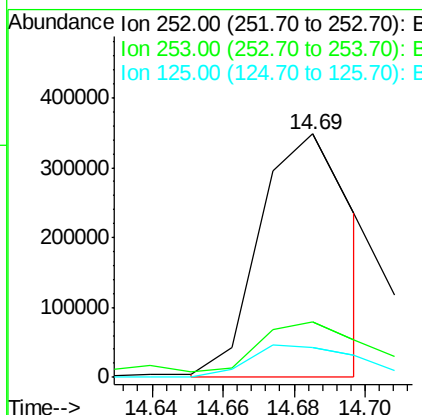
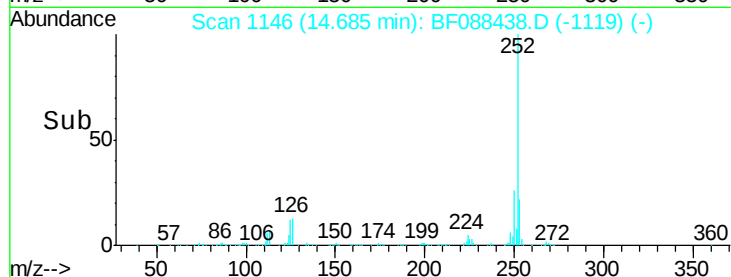
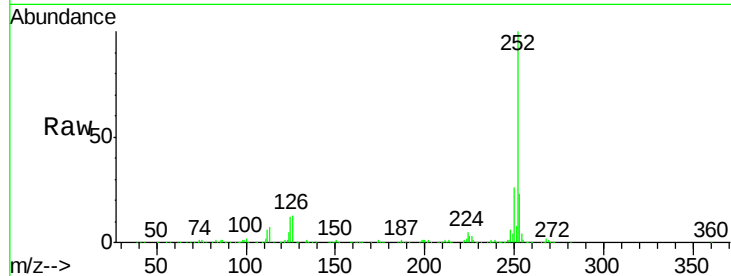
#87
Benzo(b)fluoranthene
Concen: 63.42 ng m
RT: 14.69 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	12.4	7.1	10.7

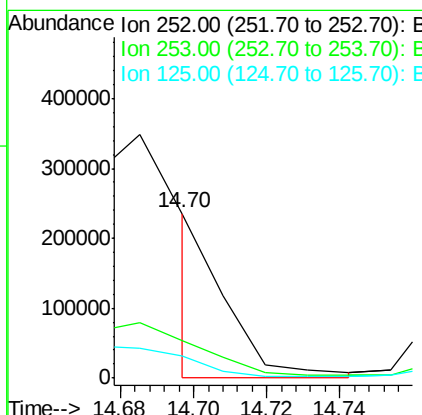
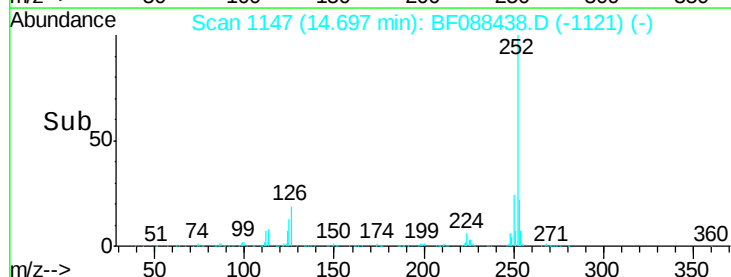
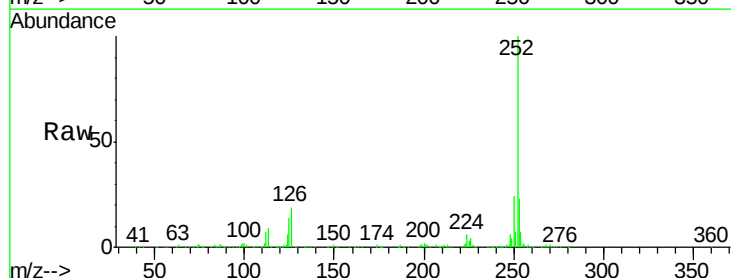
Manual Integrations
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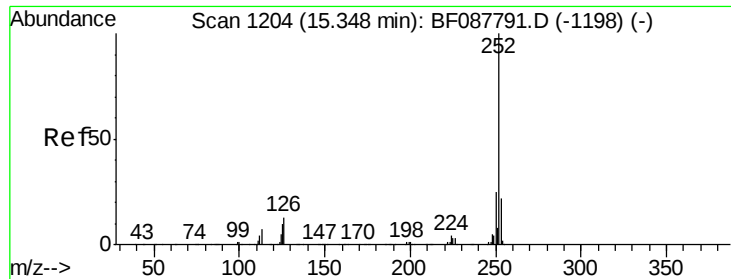
sohil
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#88
Benzo(k)fluoranthene
Concen: 14.13 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.6	11.2	16.8





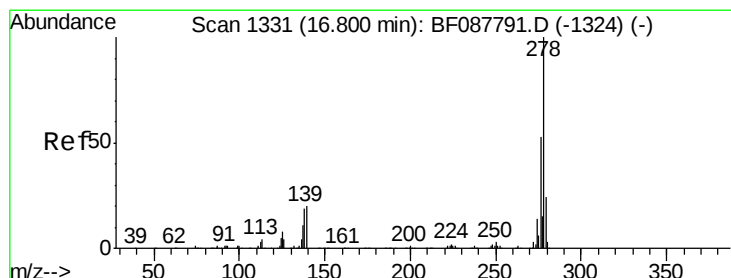
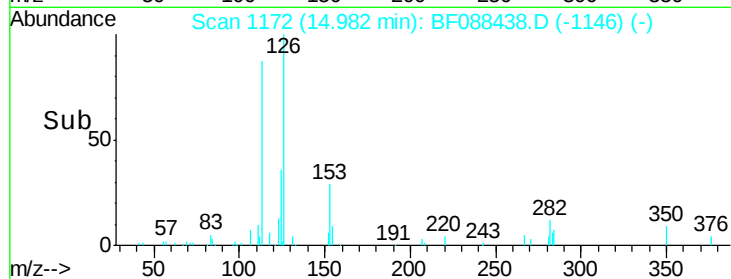
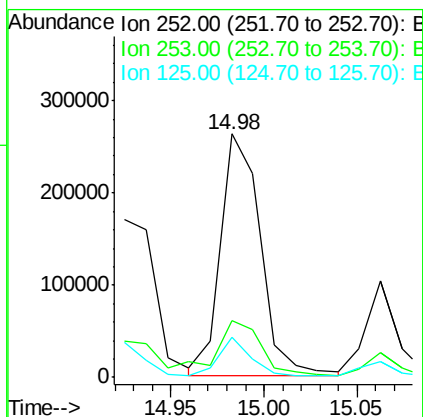
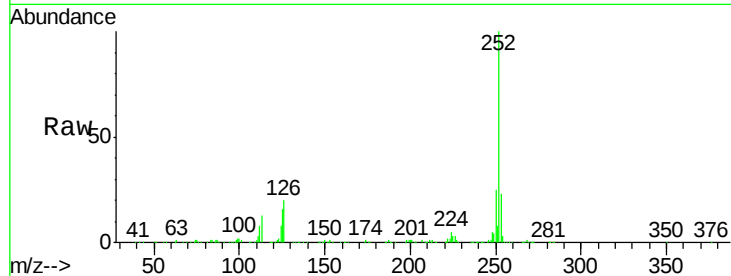
#89
Benzo(a)pyrene
Concen: 48.86 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.9	26.9
125	16.4	12.5	18.7

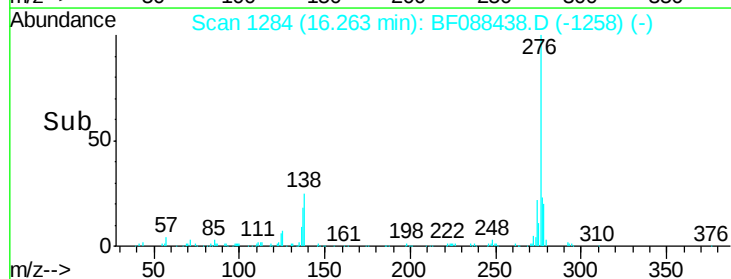
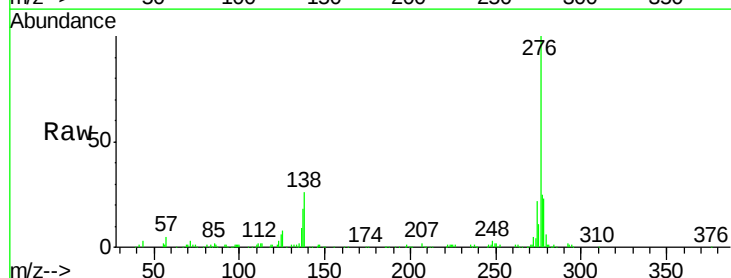
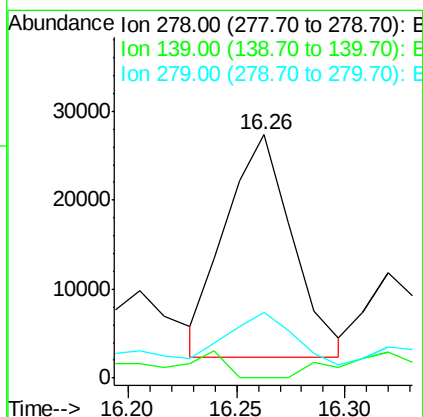
Manual Integrations
APPROVED

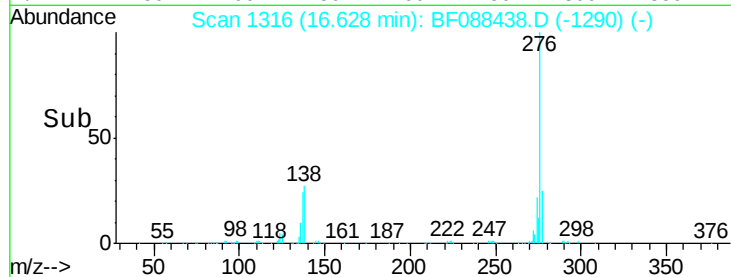
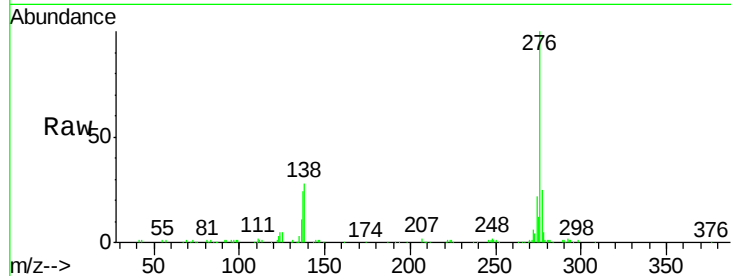
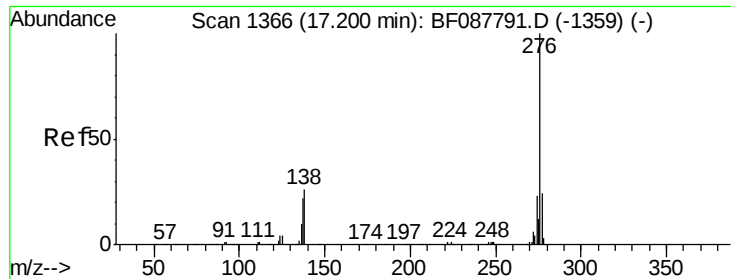
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#90
Dibenzo(a,h)anthracene
Concen: 7.21 ng m
RT: 16.26 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BF088438.D
Acq: 27 Jun 2016 5:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	15.7	23.5#
279	26.9	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 29.05 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF088438.D

Acq: 27 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

SS-4

Tgt Ion: 276 Resp: 223906

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 27.6 21.4 32.2

Manual Integrations

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