

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
 Data File : BF095695.D
 Acq On : 6 Jun 2017 2:58
 Operator : SJ/MA
 Sample : I3441-09 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-6789-060117

Manual Integrations
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Quant Time: Jun 06 06:53:19 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	100053	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	411366	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	149097	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	218681	20.00	ng	0.00
75) Chrysene-d12	18.35	240	186616	20.00	ng	0.00
86) Perylene-d12	20.02	264	150838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	259324	41.30	ng	0.00
7) Phenol-d6	6.95	99	328049	43.64	ng	0.00
23) Nitrobenzene-d5	8.31	82	194322	29.34	ng	-0.01
41) 2,4,6-Tribromophenol	13.54	330	46769	35.45	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	369093	34.45	ng	0.00
78) Terphenyl-d14	17.01	244	249931	33.24	ng	0.00
Target Compounds						
31) Naphthalene	9.46	128	115412	5.590	ng	Qvalue 98
37) 2-Methylnaphthalene	10.59	142	55815	4.001	ng	97
49) Dimethylphthalate	11.90	163	45434	4.013	ng	99
51) Acenaphthene	12.30	154	20747	2.188	ng	98
54) Dibenzofuran	12.59	168	30277	2.269	ng	99
57) Fluorene	13.14	166	44592	3.840	ng	93
70) Phenanthrene	14.68	178	173849	13.778	ng	97
71) Anthracene	14.77	178	44446	3.374	ng	94
74) Fluoranthene	16.46	202	114232	9.147	ng	100
77) Pyrene	16.76	202	107131	7.694	ng	96
80) Benzo(a)anthracene	18.35	228	32260m	2.973	ng	
82) Chrysene	18.39	228	34648	3.195	ng	# 94
87) Benzo(b)fluoranthene	19.62	252	22779m	2.412	ng	
89) Benzo(a)pyrene	19.97	252	19190	2.211	ng	# 62

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

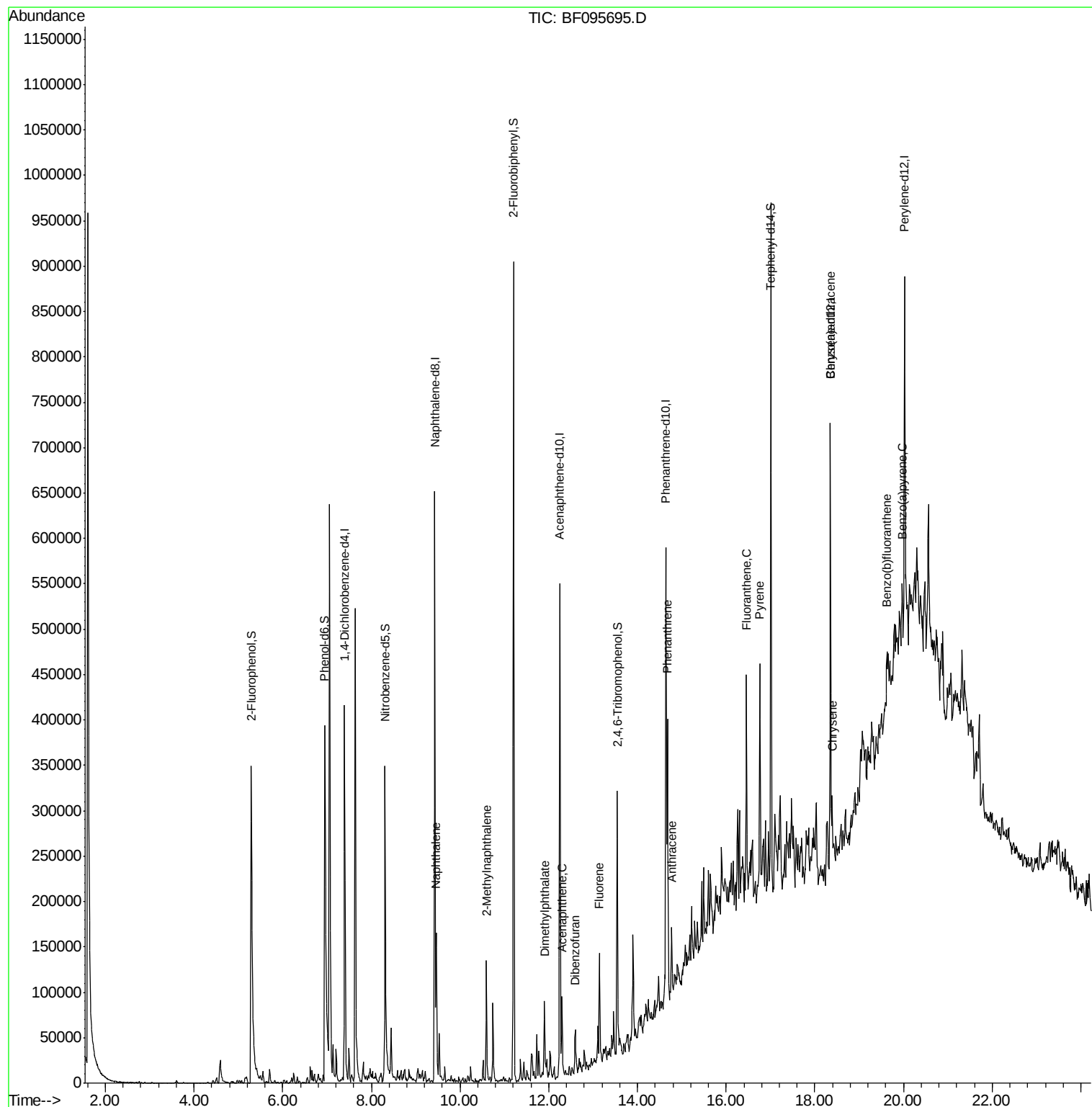
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095695.D
Acq On : 6 Jun 2017 2:58
Operator : SJ/MA
Sample : I3441-09 2X
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ALS Vial : 20 Sample Multiplier: 1

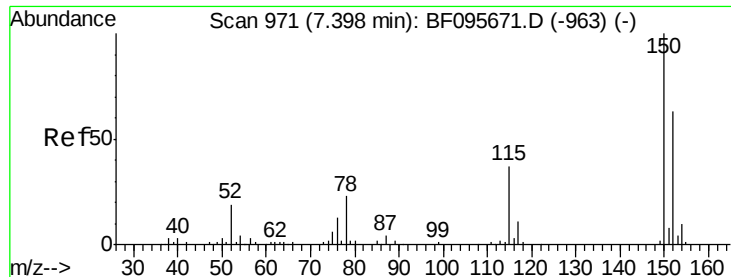
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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#1

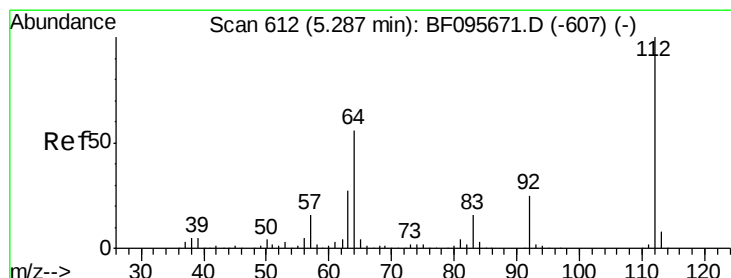
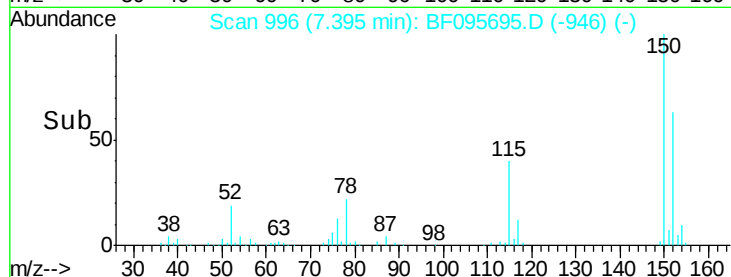
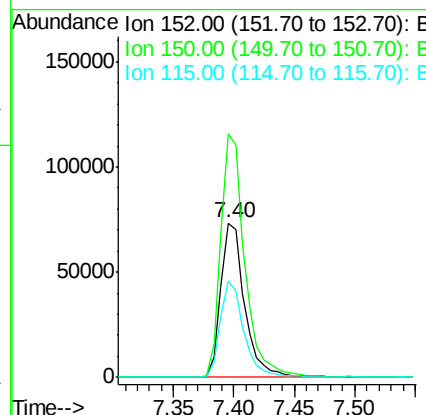
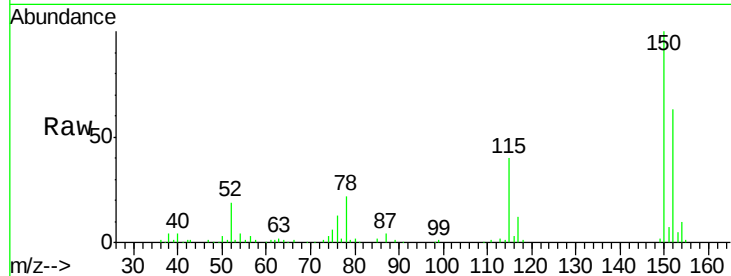
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.40 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	62.5	52.2	78.2

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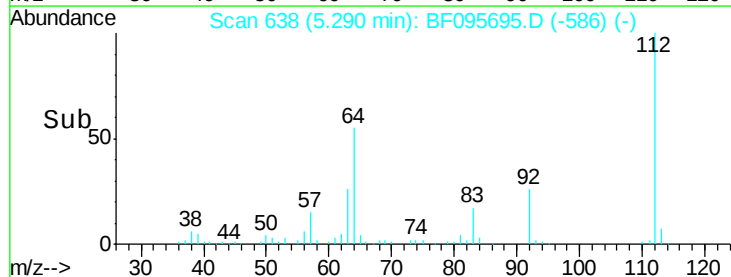
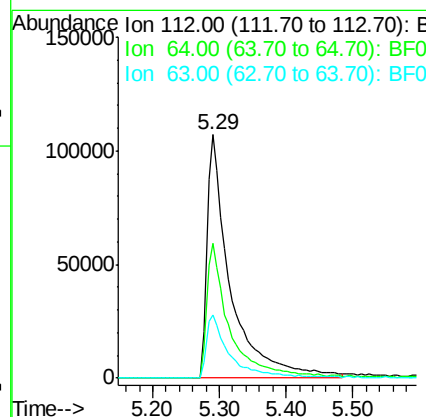
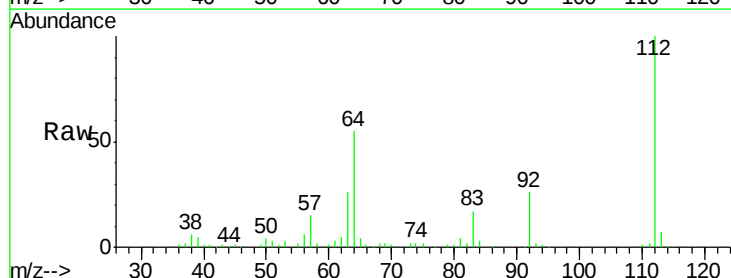
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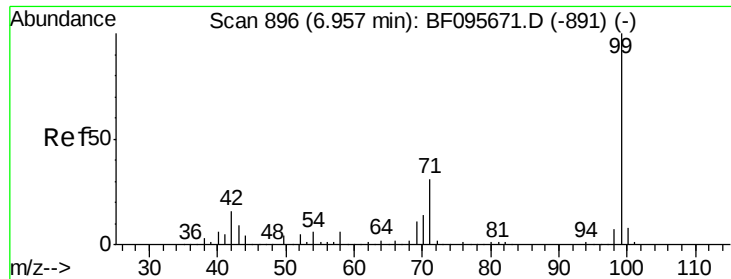


#5

2-Fluorophenol
Concen: 41.300 ng
RT: 5.29 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	26.0	23.4	35.0





#7

Phenol-d6

Concen: 43.641 ng

RT: 6.95 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Instrument :

BNA_F

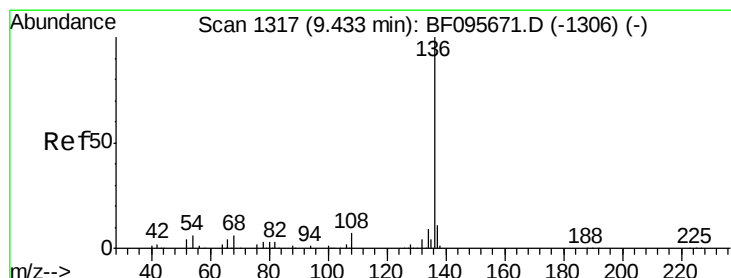
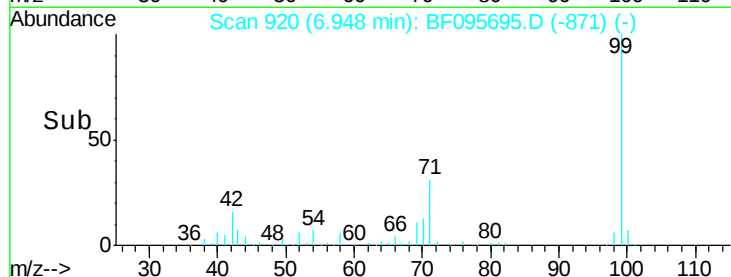
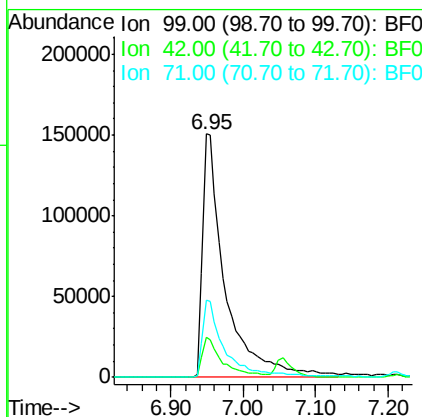
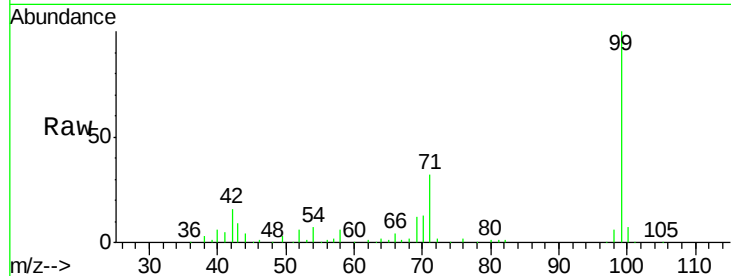
ClientSampleId :

OR-RO-6789-060117

Tgt Ion:	99	Resp:	328049
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	31.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

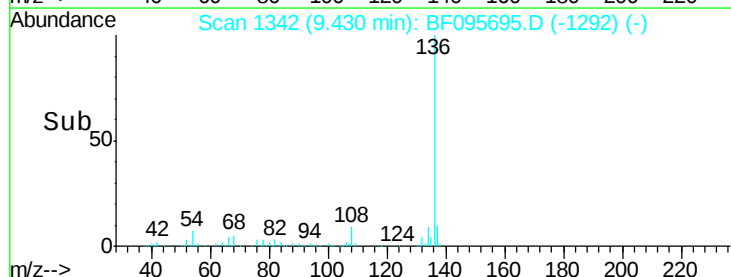
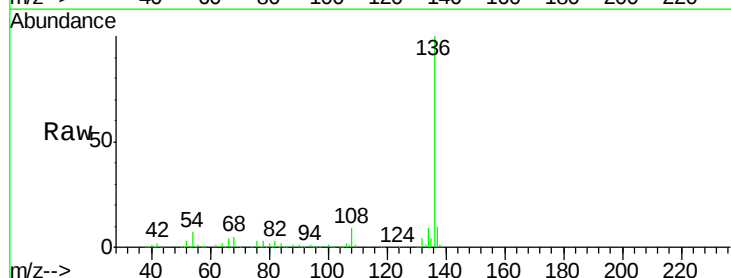
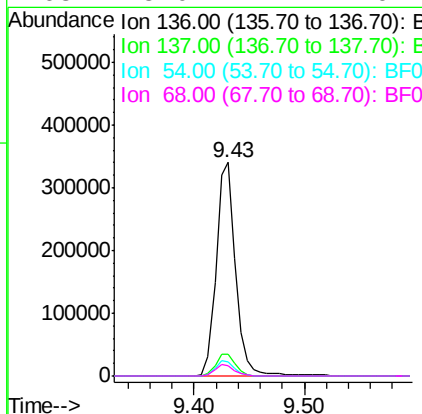
RT: 9.43 min Scan# 1342

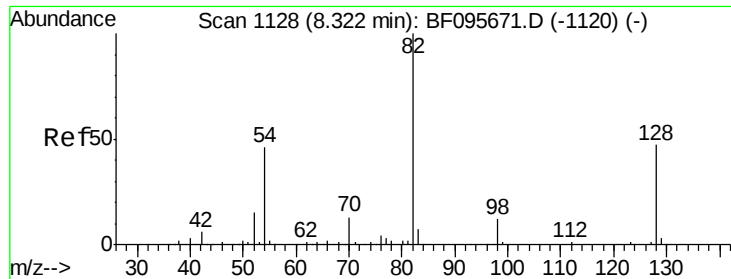
Delta R.T. -0.00 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Tgt Ion:	136	Resp:	411366
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.7	4.9	7.3
68	5.0	4.1	6.1





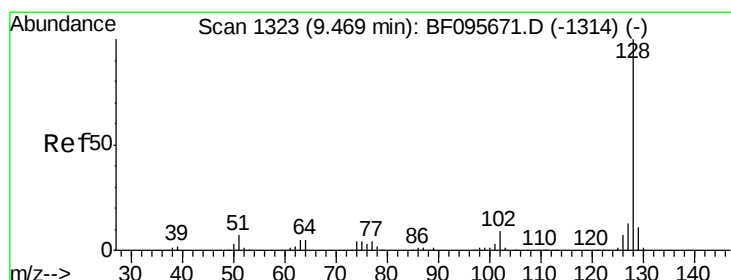
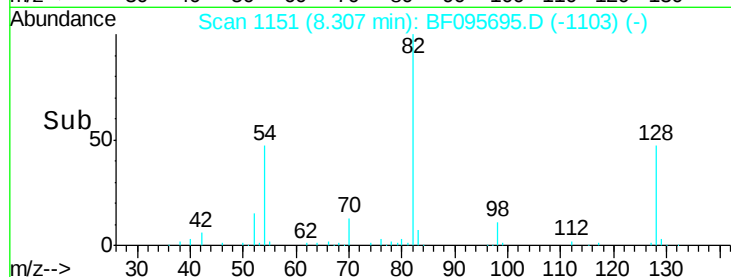
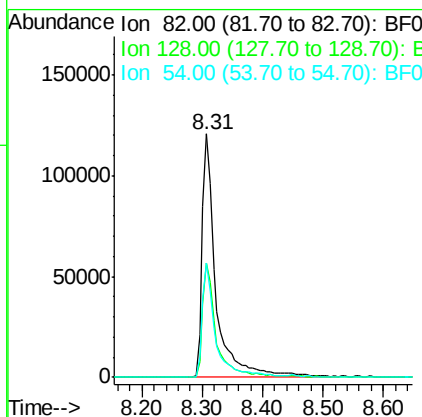
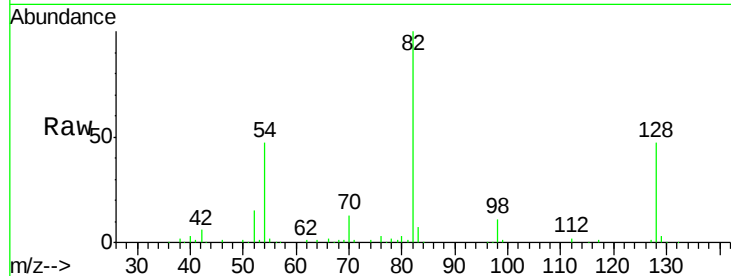
#23
Nitrobenzene-d5
Concen: 29.337 ng
RT: 8.31 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	46.9	42.2	63.2

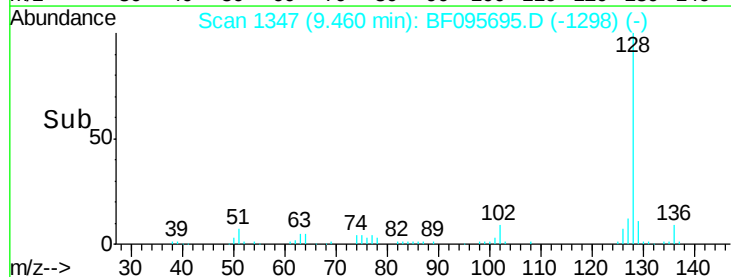
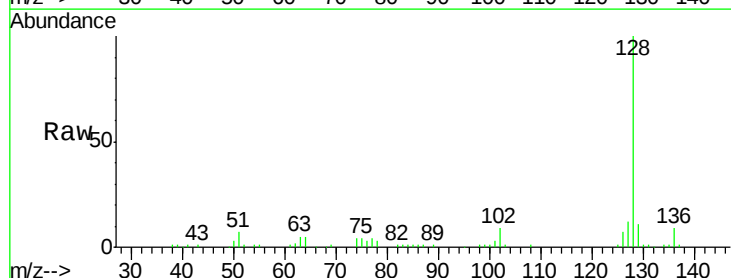
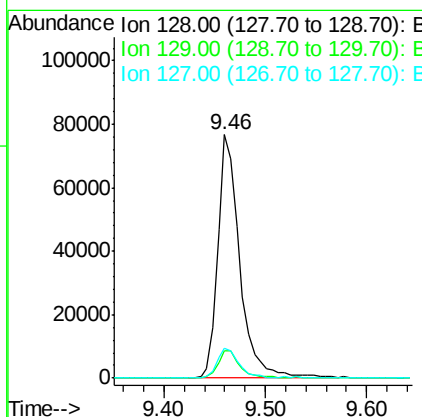
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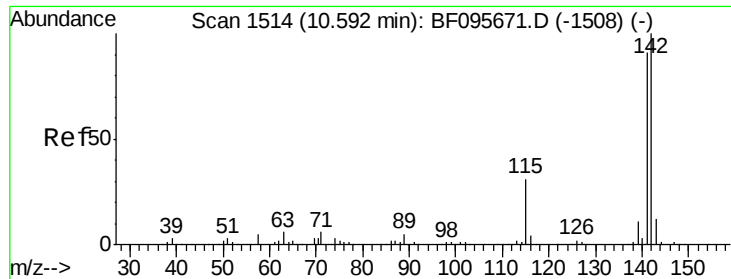
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#31
Naphthalene
Concen: 5.590 ng
RT: 9.46 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	12.1	10.8	16.2





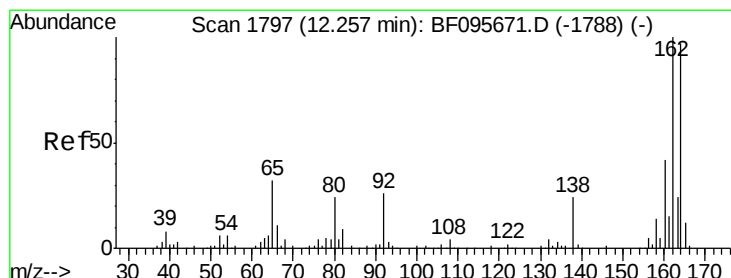
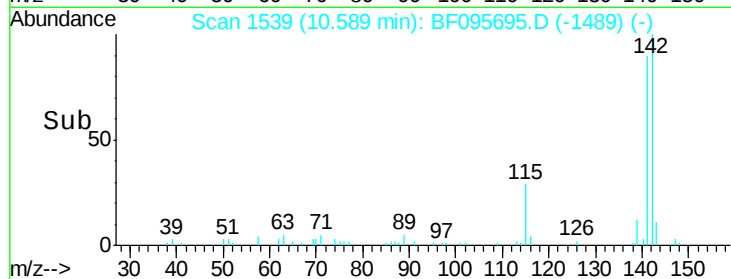
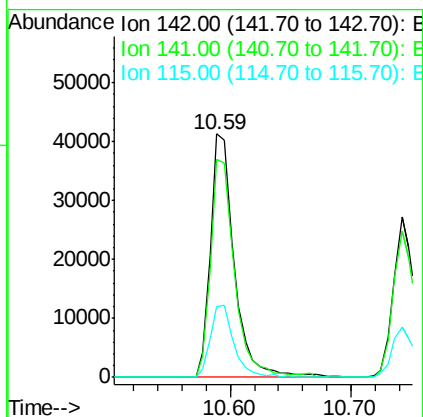
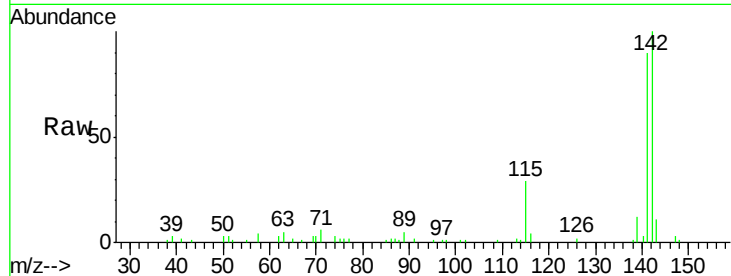
#37
2-Methylnaphthalene
Concen: 4.001 ng
RT: 10.59 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	29.2	27.1	40.7

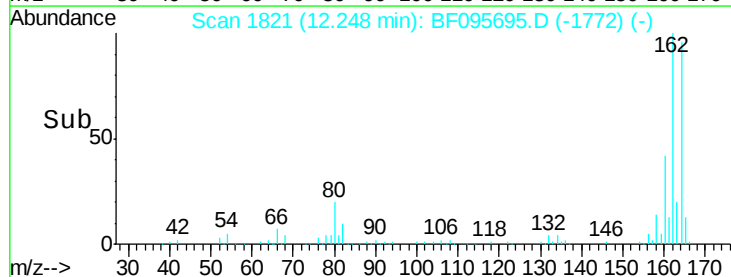
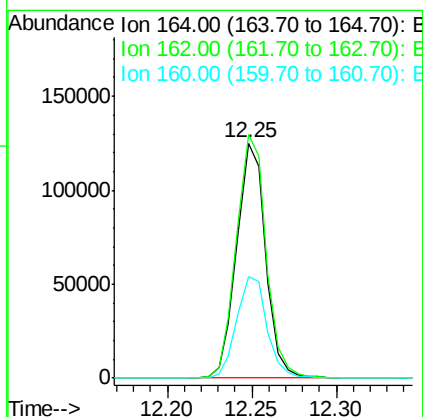
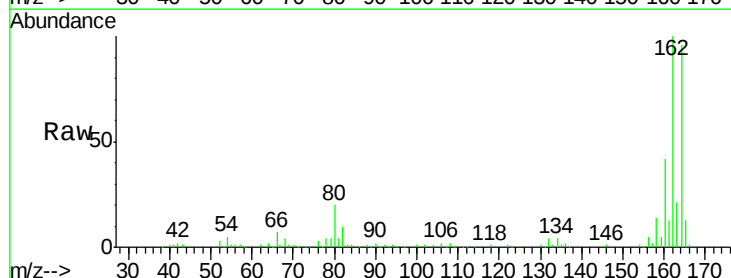
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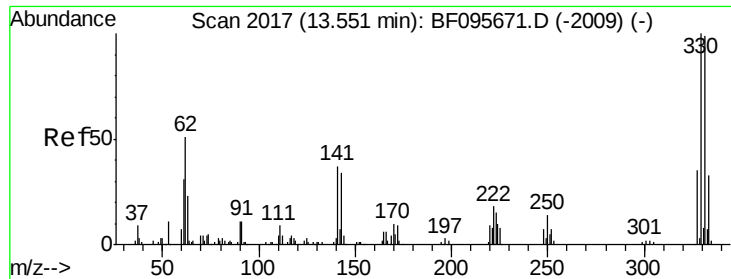
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	43.3	36.2	54.2





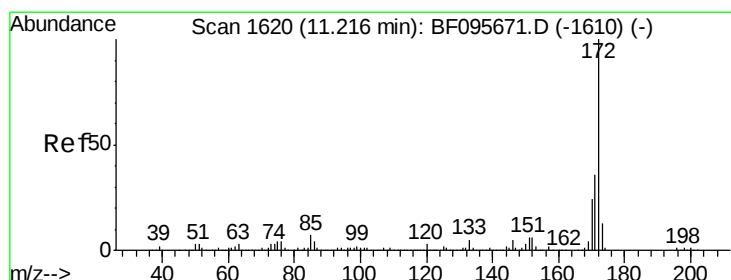
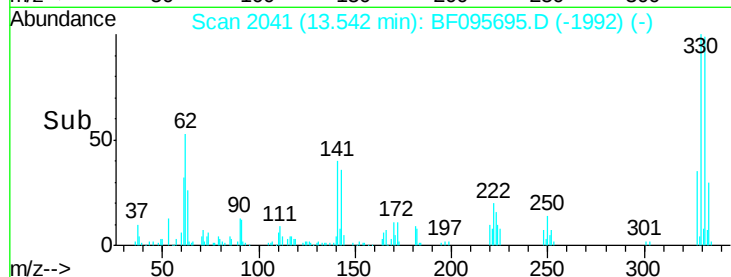
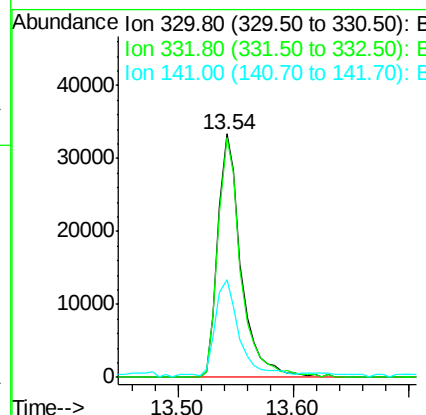
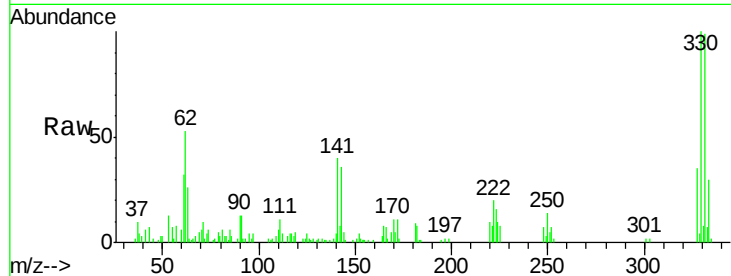
#41
 2,4,6-Tribromophenol
 Concen: 35.454 ng
 RT: 13.54 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-6789-060117

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	46769		
332	97.3	76.6	115.0	
141	43.3	31.4	47.2	

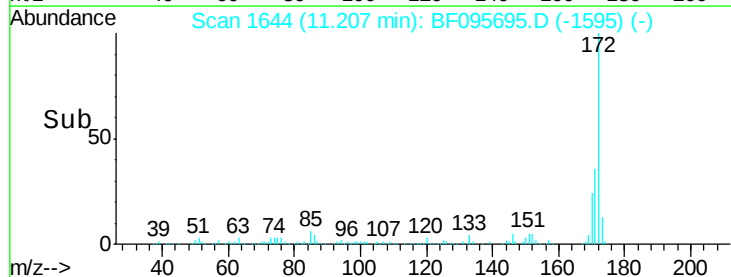
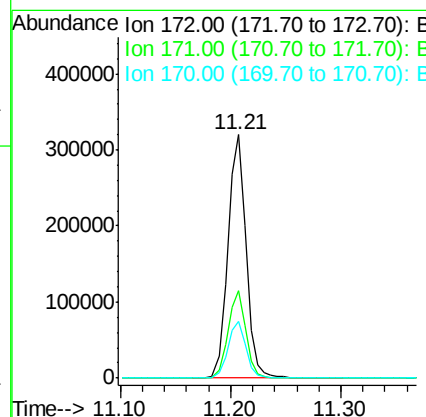
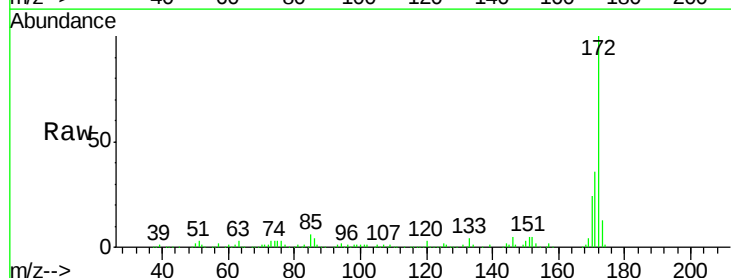
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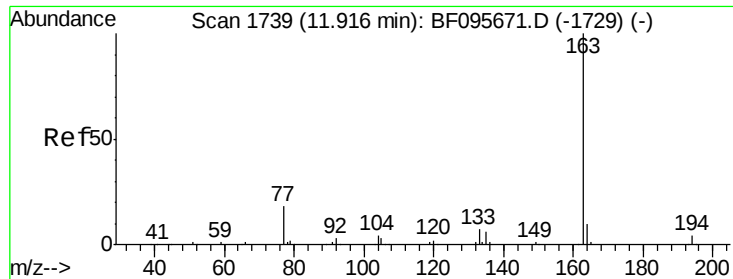
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#44
 2-Fluorobiphenyl
 Concen: 34.449 ng
 RT: 11.21 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	369093		
171	35.8	29.6	44.4	
170	23.5	19.8	29.8	





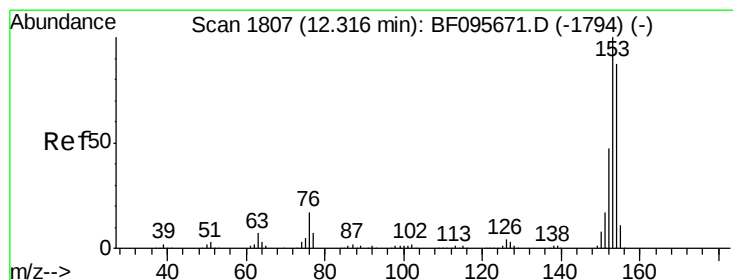
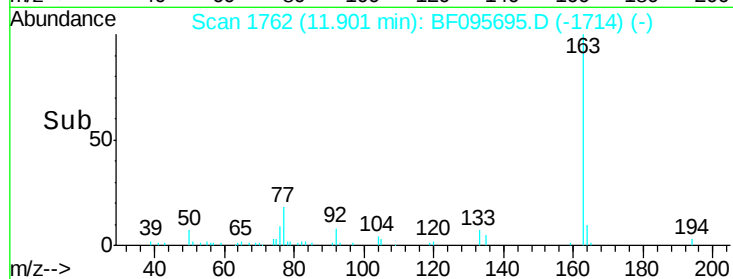
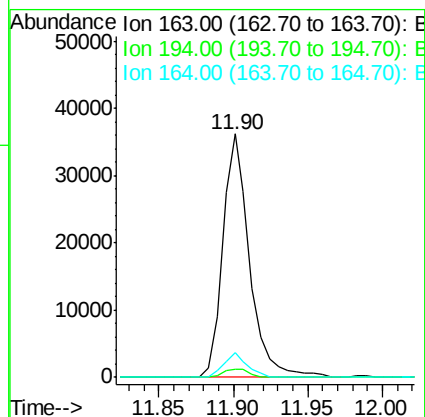
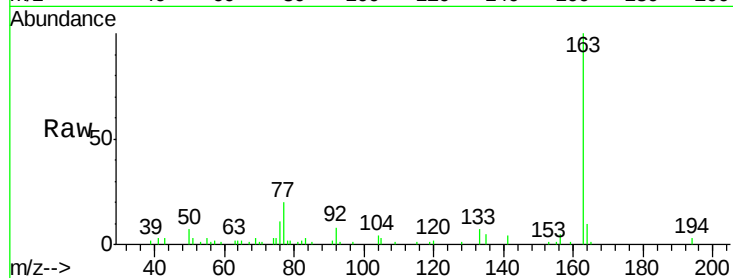
#49
Dimethylphthalate
Concen: 4.013 ng
RT: 11.90 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6

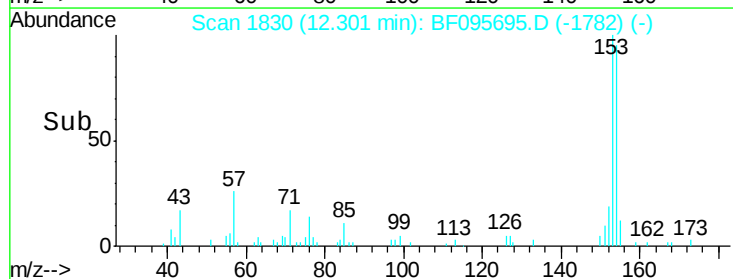
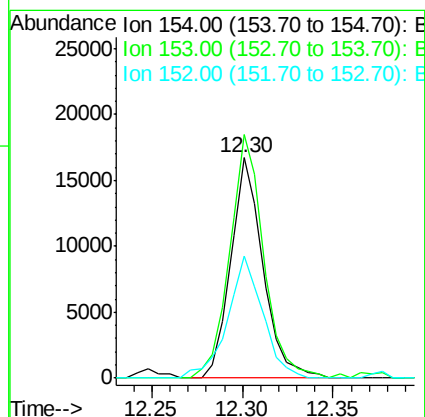
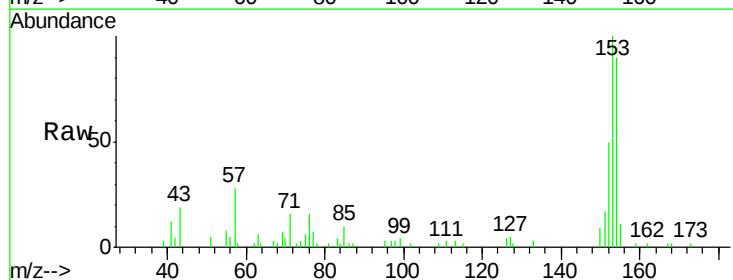
Manual Integrations
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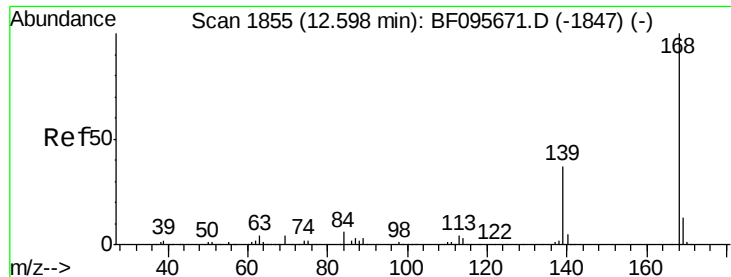
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#51
Acenaphthene
Concen: 2.188 ng
RT: 12.30 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.5	135.7
152	55.4	43.6	65.4





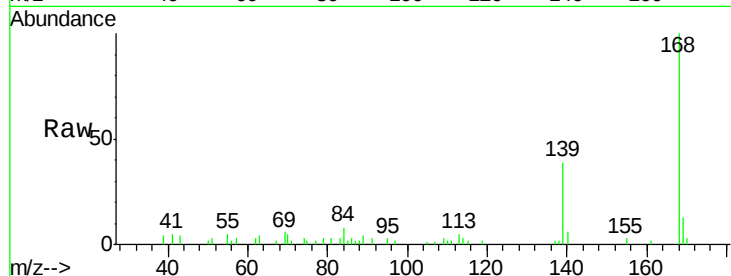
#54
Dibenzenofuran
Concen: 2.269 ng
RT: 12.59 min Scan# 1880
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

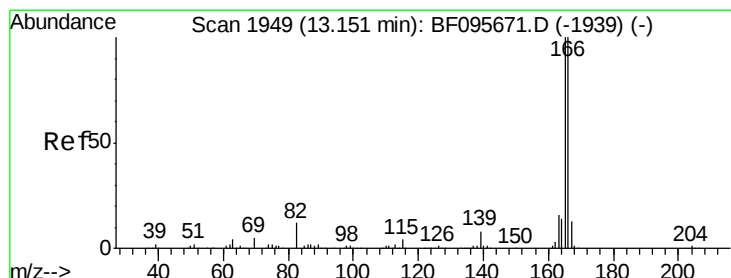
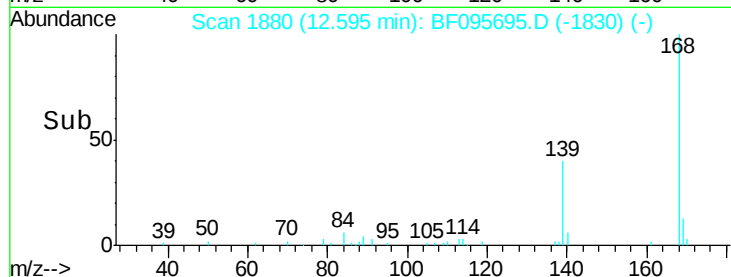
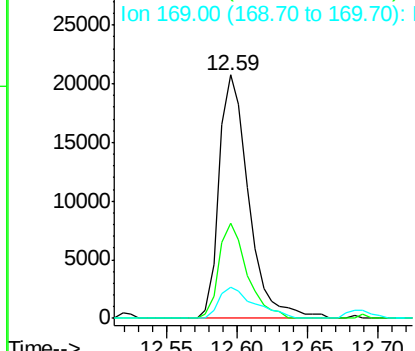
Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	45.8
169	12.7	10.8	16.2

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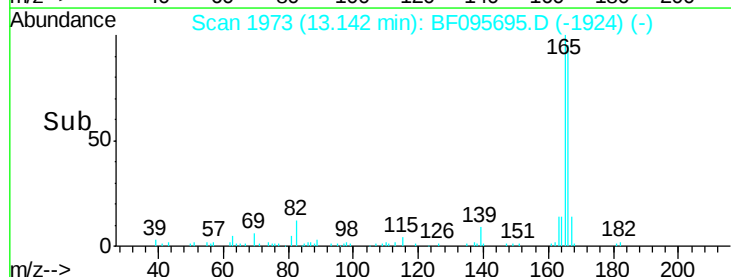
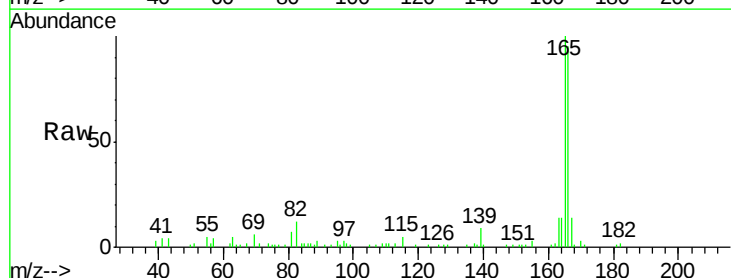
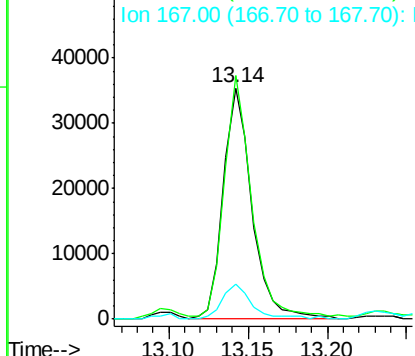
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

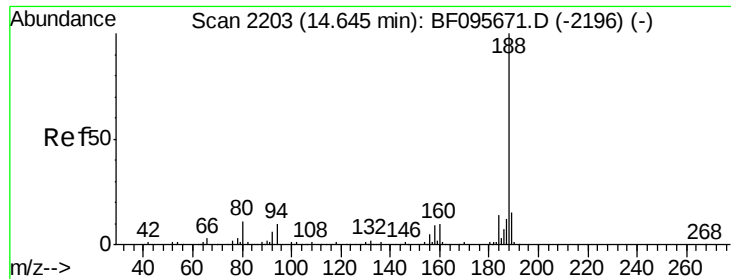


#57
Fluorene
Concen: 3.840 ng
RT: 13.14 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.4	78.8	118.2
167	14.9	10.6	16.0

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





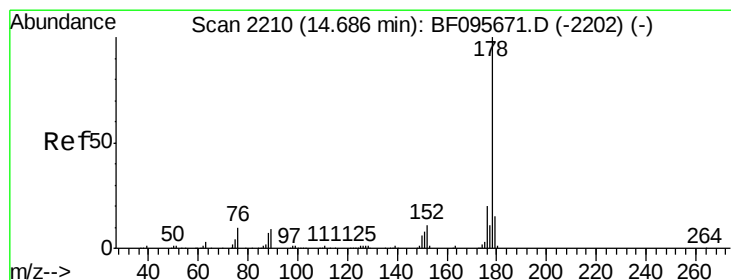
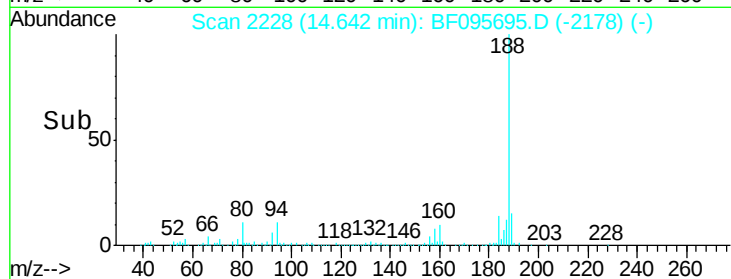
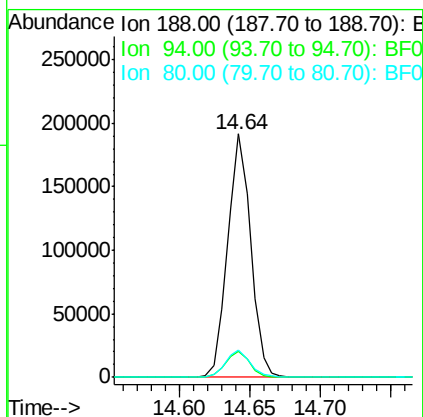
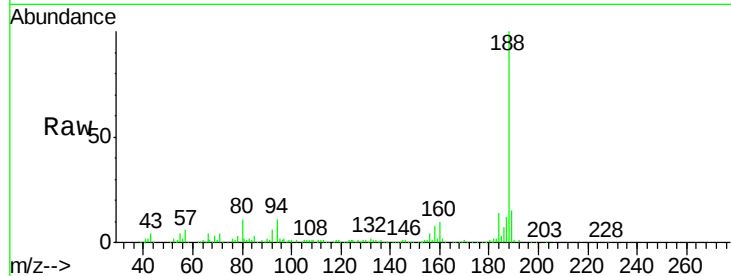
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	218681		
94	10.8	9.4	14.2	
80	11.0	10.2	15.2	

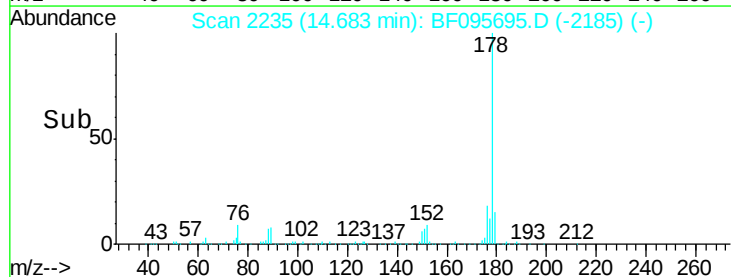
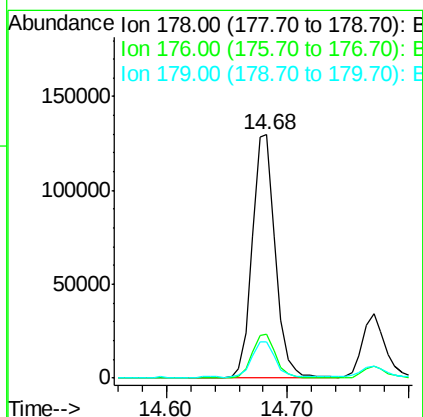
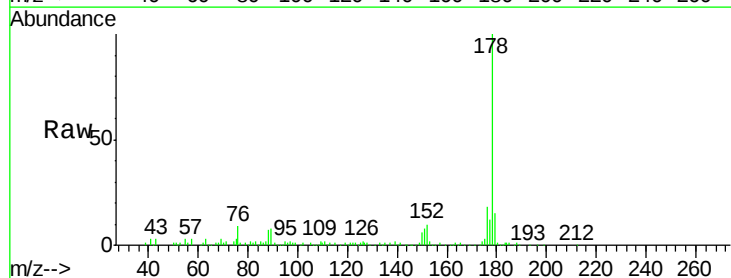
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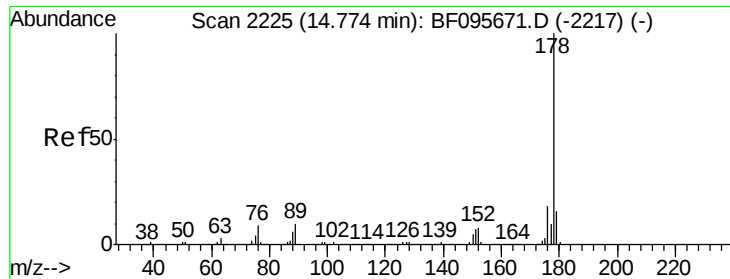
mohammad
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#70
Phenanthrene
Concen: 13.778 ng
RT: 14.68 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	173849		
176	18.3	16.2	24.4	
179	14.8	12.6	19.0	





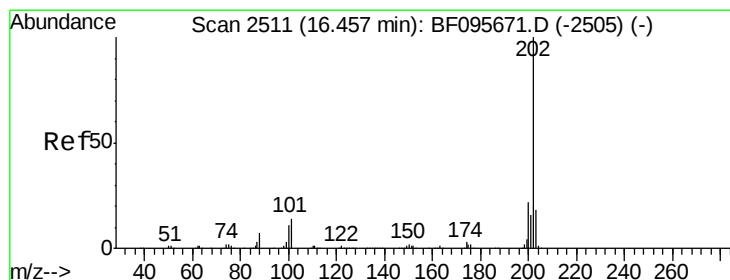
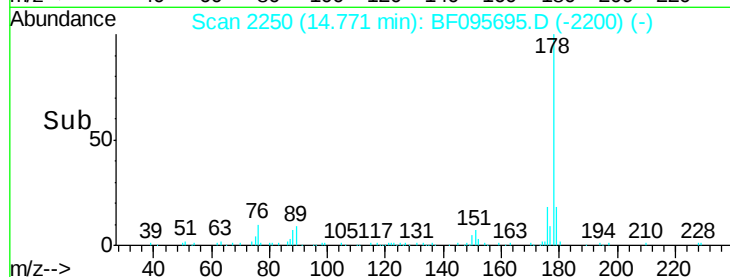
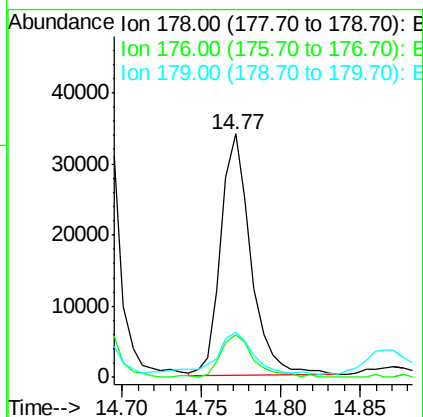
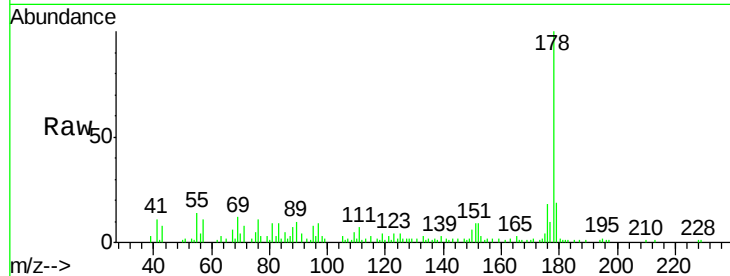
#71
 Anthracene
 Concen: 3.374 ng
 RT: 14.77 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	18.8	12.7	19.1

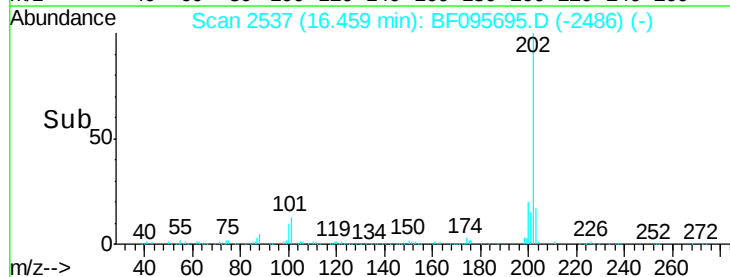
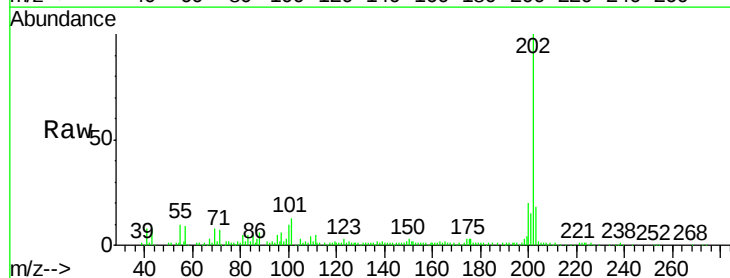
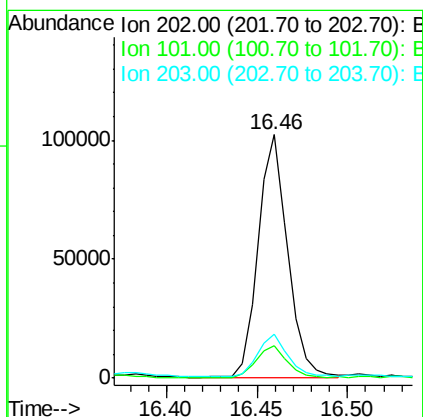
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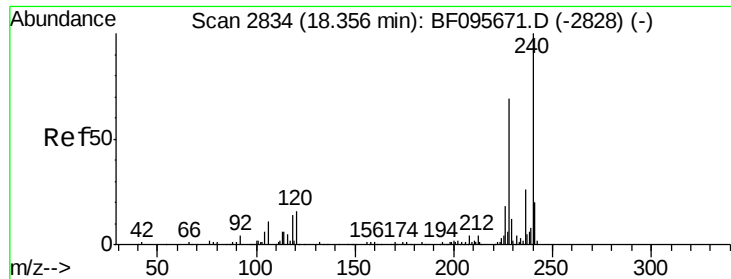
mohammad
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#74
 Fluoranthene
 Concen: 9.147 ng
 RT: 16.46 min Scan# 2537
 Delta R.T. 0.00 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	18.1	0.0	38.1





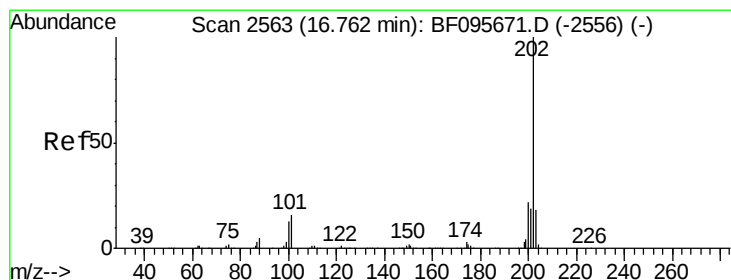
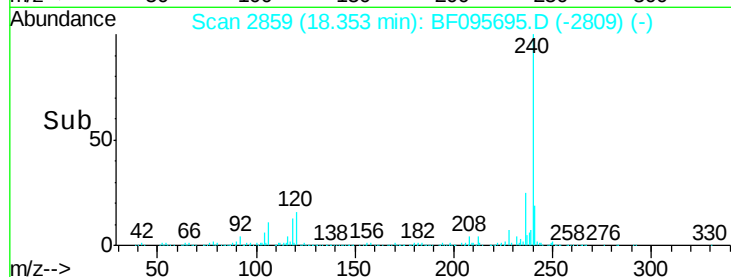
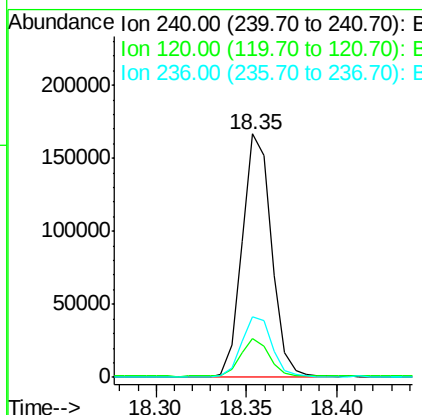
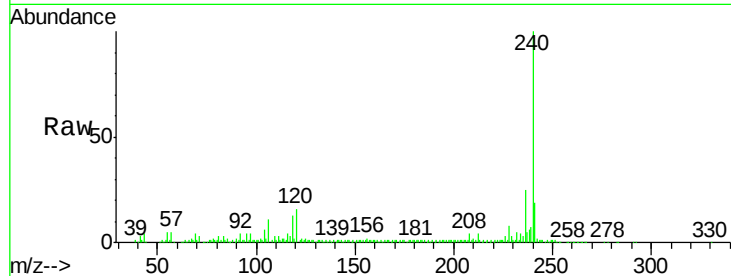
#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.35 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Instrument :
BNA_F
ClientSampleId :
OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	5.8	8.8#
236	25.0	20.5	30.7

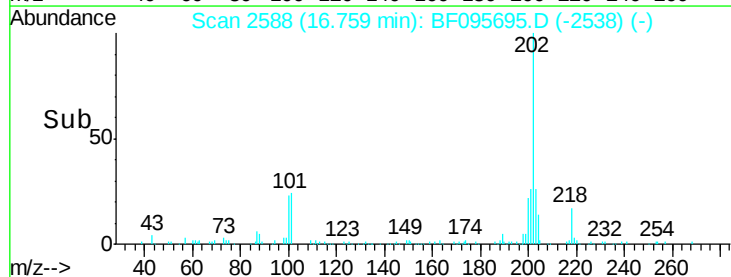
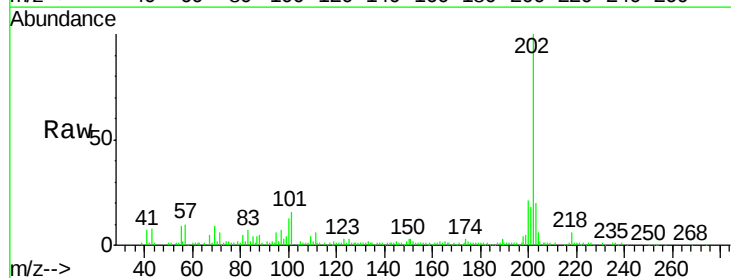
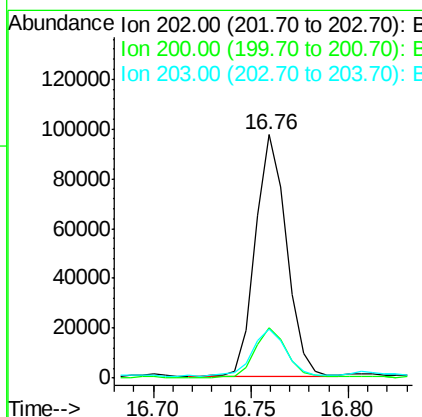
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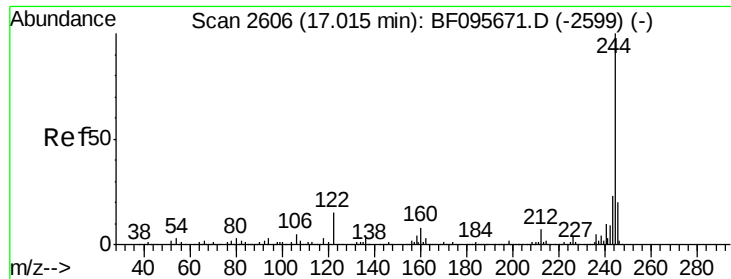
mohammad
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#77
Pyrene
Concen: 7.694 ng
RT: 16.76 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BF095695.D
Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	20.3	14.4	21.6





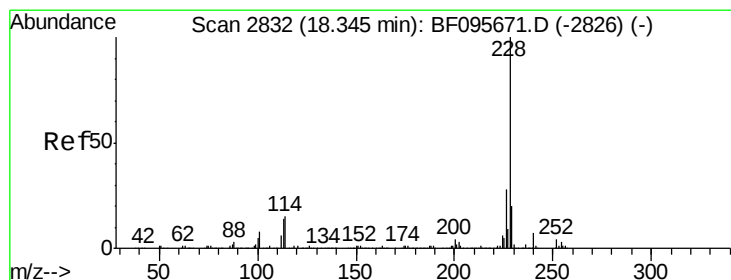
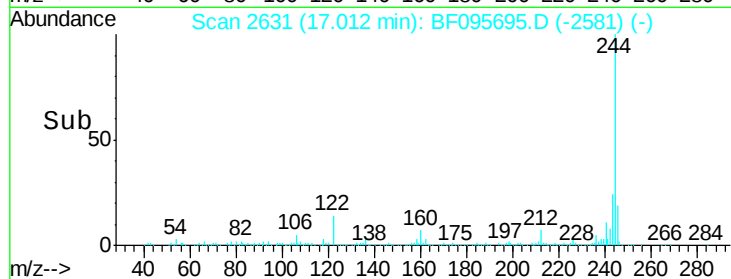
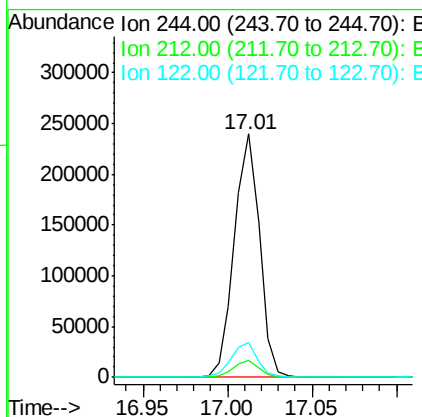
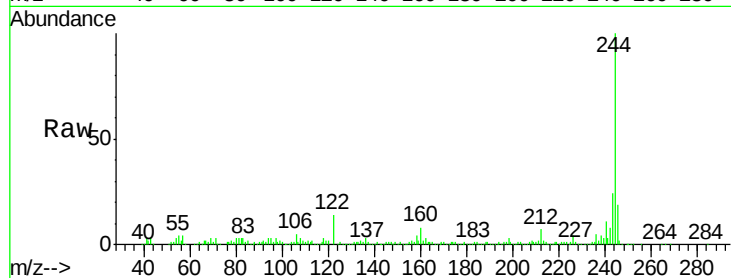
#78
 Terphenyl-d14
 Concen: 33.237 ng
 RT: 17.01 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-6789-060117

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.5	10.3	15.5

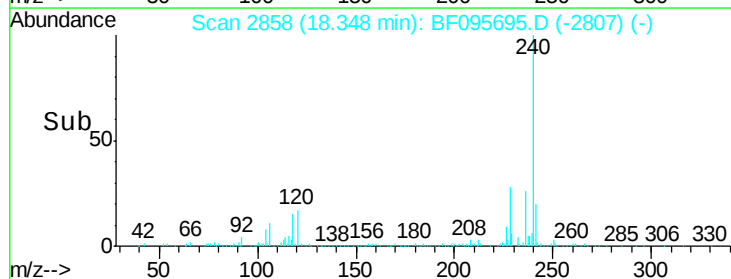
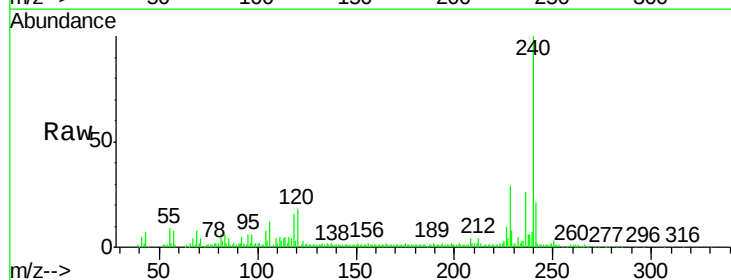
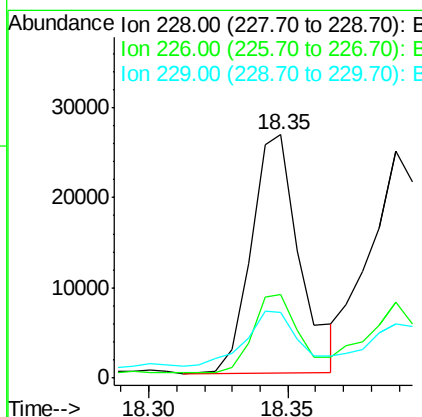
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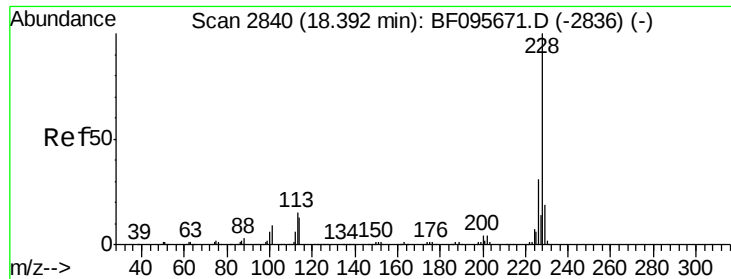
mohammad
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#80
 Benzo(a)anthracene
 Concen: 2.973 ng m
 RT: 18.35 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: BF095695.D
 Acq: 6 Jun 2017 2:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.6	33.8#
229	26.9	16.3	24.5#





#82

Chrysene

Concen: 3.195 ng

RT: 18.39 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Instrument :

BNA_F

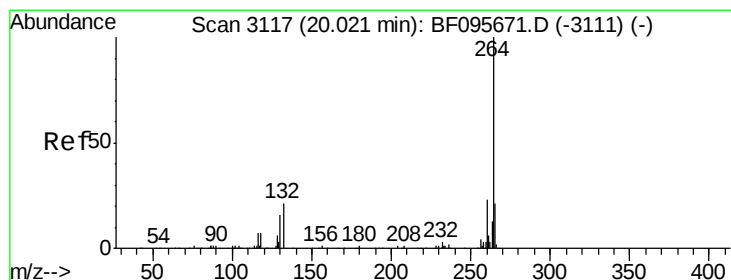
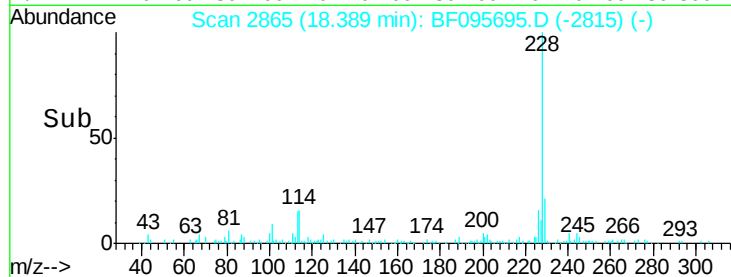
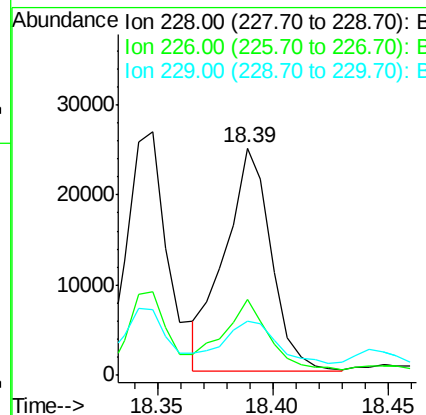
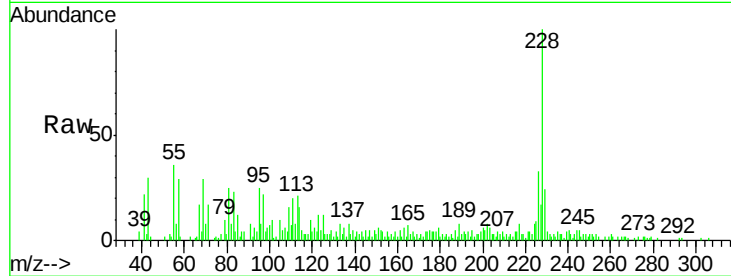
ClientSampleId :

OR-RO-6789-060117

Tgt Ion:	228	Resp:	34648
Ion Ratio	Lower	Upper	
228	100		
226	33.2	24.9	37.3
229	23.8	15.8	23.6

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

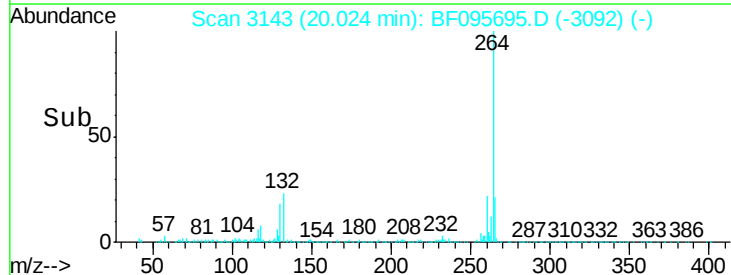
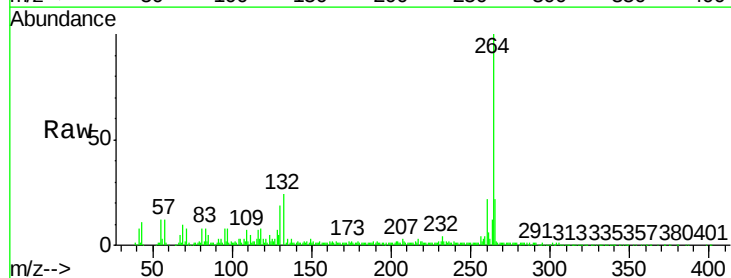
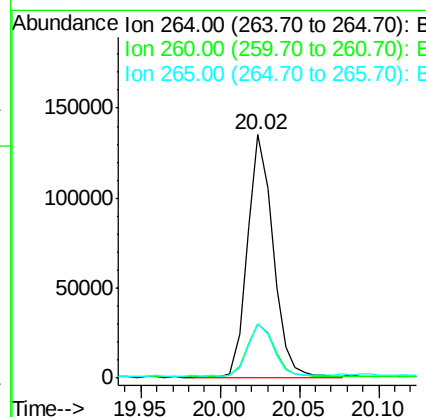
RT: 20.02 min Scan# 3143

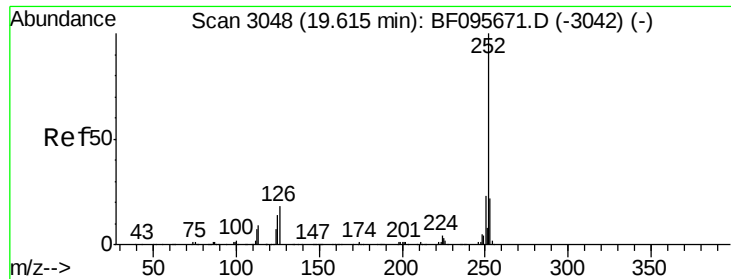
Delta R.T. 0.00 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Tgt Ion:	264	Resp:	150838
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.412 ng m

RT: 19.62 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Instrument :

BNA_F

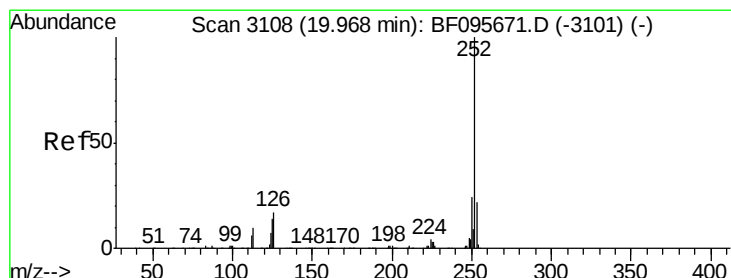
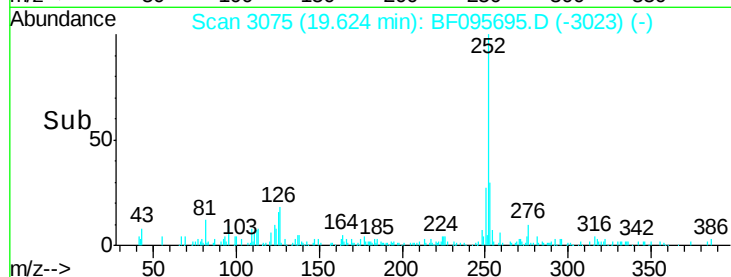
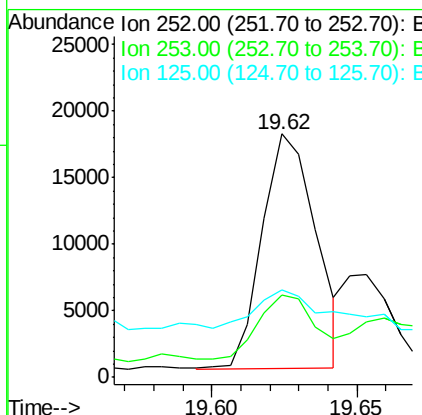
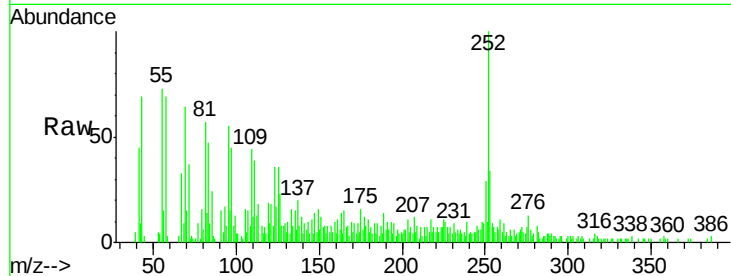
ClientSampleId :

OR-RO-6789-060117

Tgt Ion:	252	Resp:	22779
Ion Ratio	Lower	Upper	
252	100		
253	33.7	18.1	27.1#
125	36.0	9.8	14.8#

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#89

Benzo(a)pyrene

Concen: 2.211 ng

RT: 19.97 min Scan# 3134

Delta R.T. 0.00 min

Lab File: BF095695.D

Acq: 6 Jun 2017 2:58

Tgt Ion:	252	Resp:	19190
Ion Ratio	Lower	Upper	
252	100		
253	31.8	17.5	26.3#
125	40.3	11.0	16.4#

