

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098247.D
 Acq On : 2 Sep 2017 15:52
 Operator : SJ/JU
 Sample : I5006-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Manual Integrations
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Quant Time: Sep 04 07:45:57 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	108042	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	439661	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	200122	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	348784	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	251342	20.00	ng	-0.04
86) Perylene-d12	15.27	264	243929	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	874686	123.14	ng	-0.03
7) Phenol-d6	6.36	99	1223068	126.73	ng	-0.03
23) Nitrobenzene-d5	7.27	82	757791	93.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	223656	128.81	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	1049851	77.08	ng	-0.04
78) Terphenyl-d14	12.82	244	758608	62.94	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.37	94	47380	4.198	ng	86
49) Dimethylphthalate	9.46	163	197126	13.476	ng	99
57) Fluorene	10.29	166	29815	2.155	ng	93
70) Phenanthrene	11.25	178	344476	18.534	ng	99
71) Anthracene	11.30	178	91300	4.843	ng	97
74) Fluoranthene	12.43	202	400161	20.628	ng	97
77) Pyrene	12.66	202	355208	17.279	ng	98
80) Benzo(a)anthracene	13.85	228	169898	11.278	ng	97
82) Chrysene	13.89	228	147363	9.834	ng	98
85) Indeno(1,2,3-cd)pyrene	16.63	276	72835	6.607	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	166446m	10.825	ng	
88) Benzo(k)fluoranthene	14.89	252	60410m	4.182	ng	
89) Benzo(a)pyrene	15.22	252	134258	9.863	ng	97
91) Benzo(g,h,i)perylene	17.04	276	64243	5.556	ng	97

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

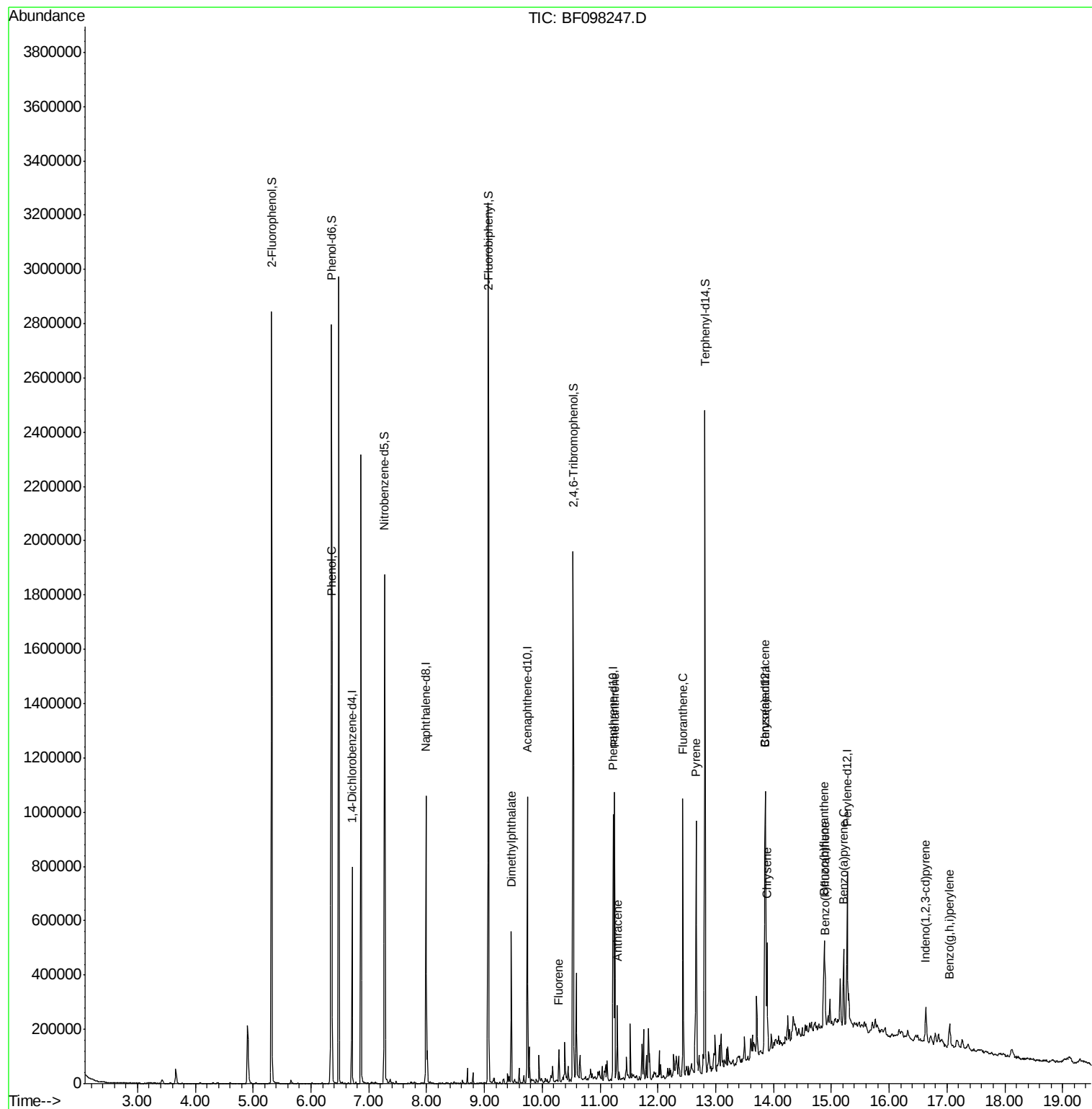
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098247.D
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Operator : SJ/JU
Sample : I5006-04
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ALS Vial : 5 Sample Multiplier: 1

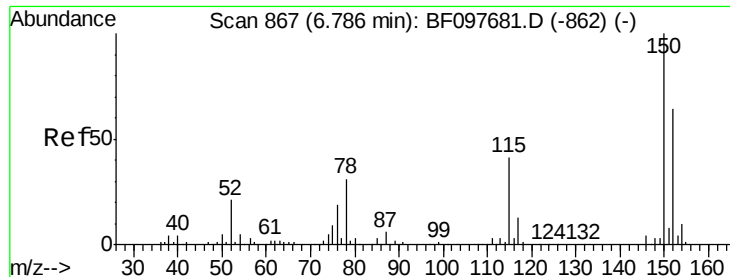
Instrument :
BNA_F
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SB-14-COMP

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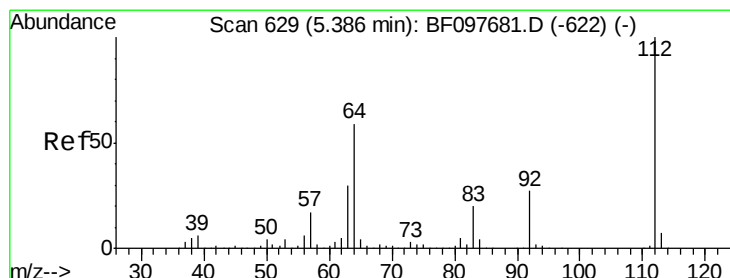
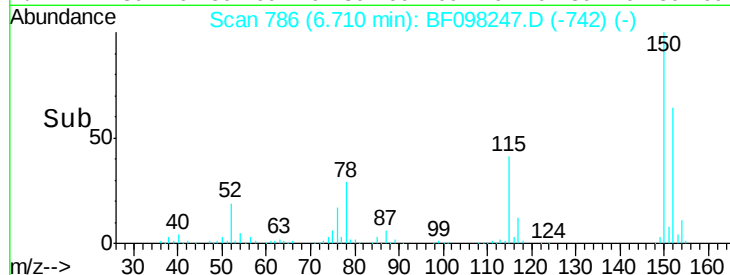
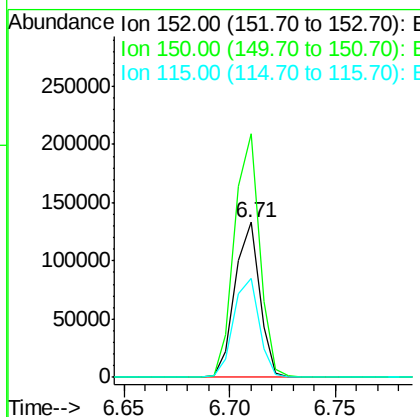
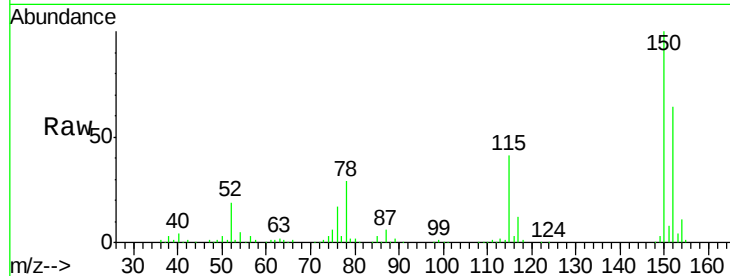
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.04 min
 Lab File: BF098247.D
 Acq: 2 Sep 2017 15:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	63.7	52.2	78.2

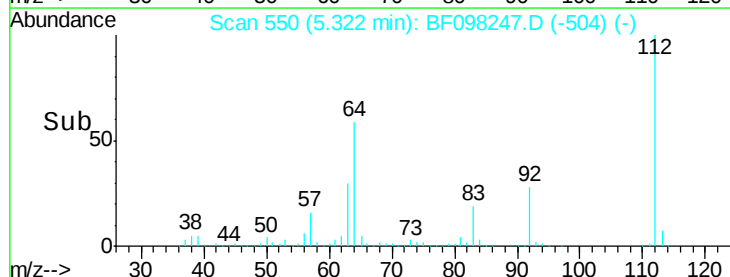
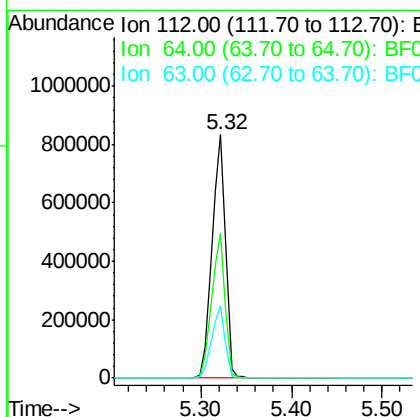
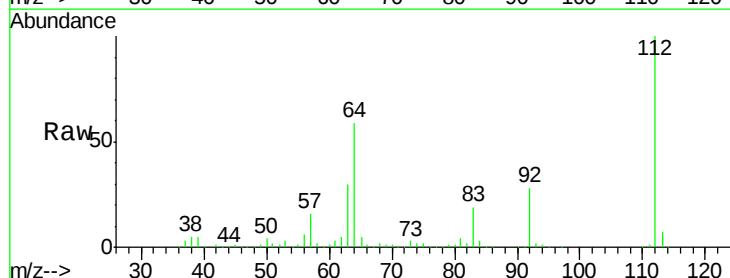
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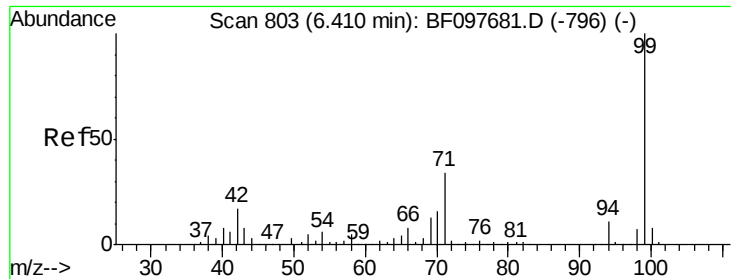
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#5
 2-Fluorophenol
 Concen: 123.143 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.03 min
 Lab File: BF098247.D
 Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.0	69.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 126.730 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA_F

ClientSampled :

SB-14-COMP

Tgt Ion: 99 Resp: 1223068

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

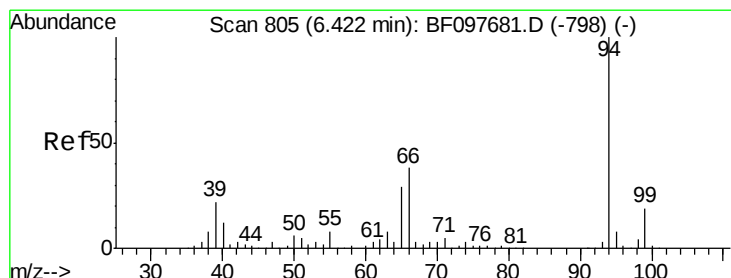
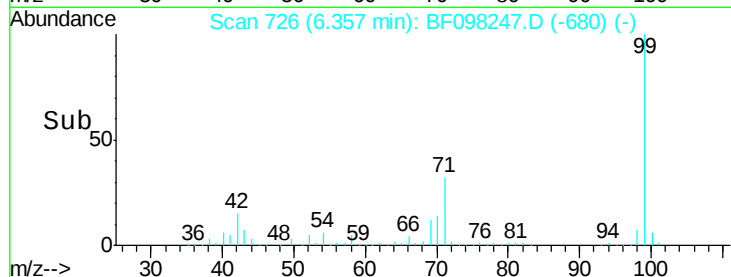
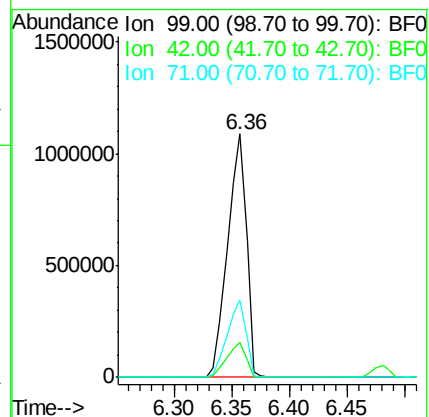
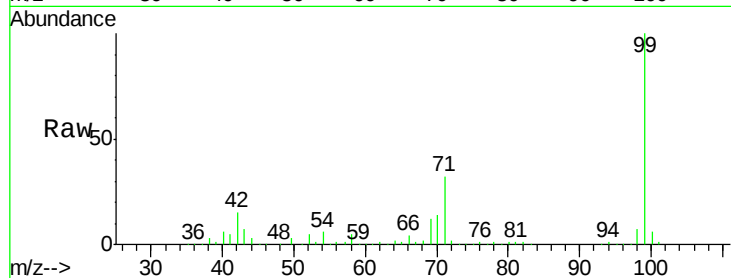
71 31.6 24.5 36.7

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#10

Phenol

Concen: 4.198 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

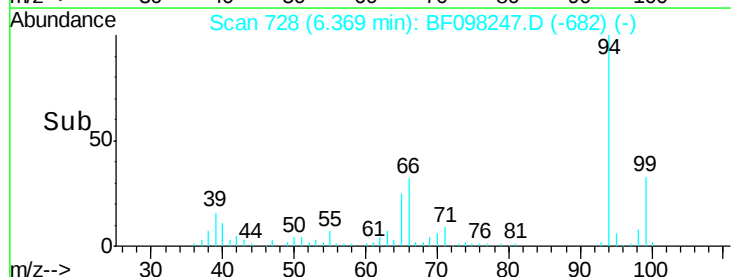
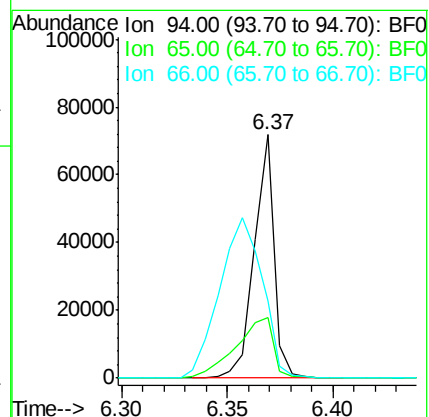
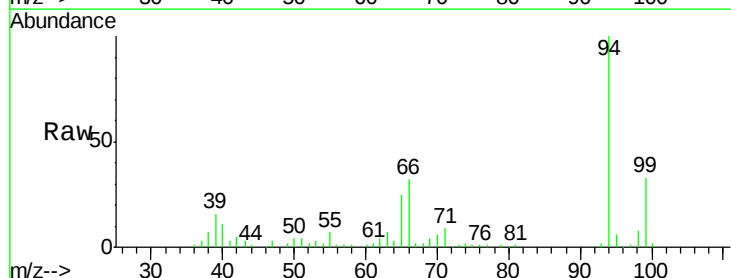
Tgt Ion: 94 Resp: 47380

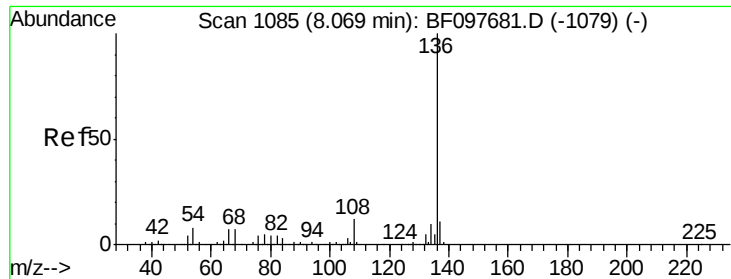
Ion Ratio Lower Upper

94 100

65 24.7 9.9 49.9

66 31.7 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA_F

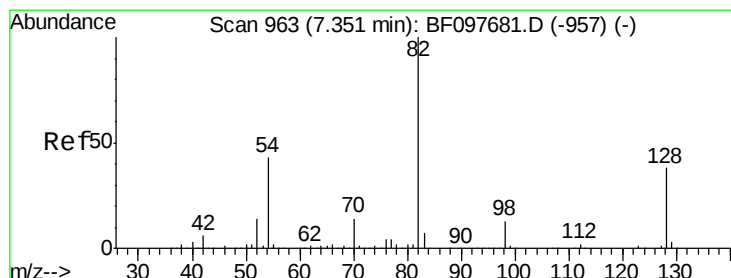
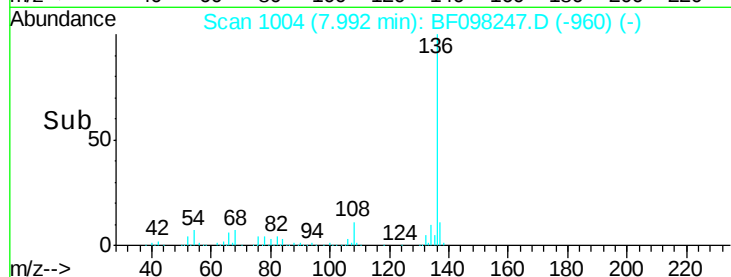
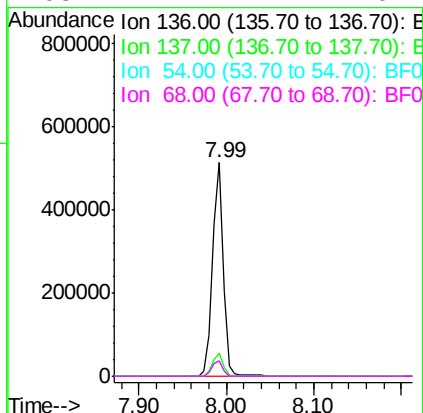
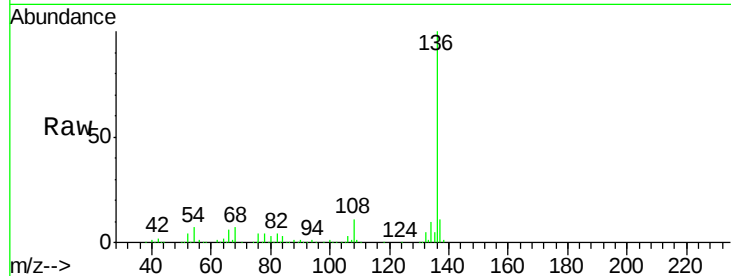
ClientSampleId :

SB-14-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	439661		
137	10.8	8.5	12.7	
54	7.3	4.9	7.3#	
68	7.1	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 93.633 ng

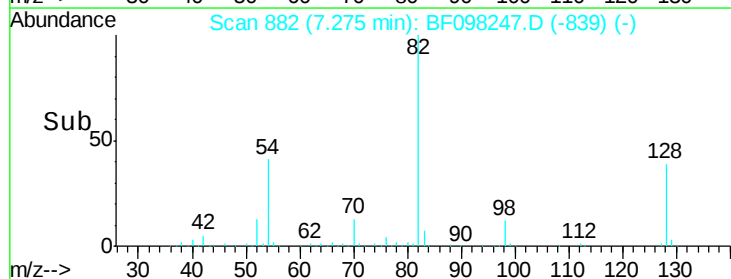
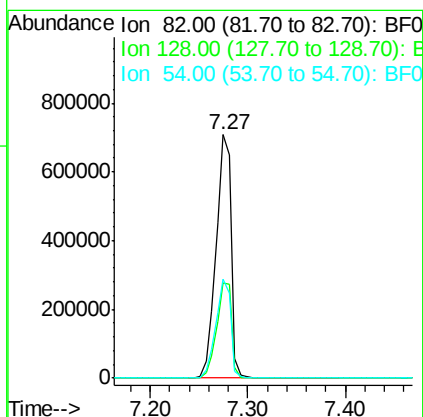
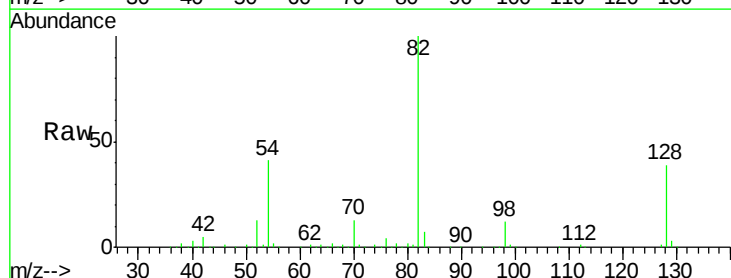
RT: 7.27 min Scan# 882

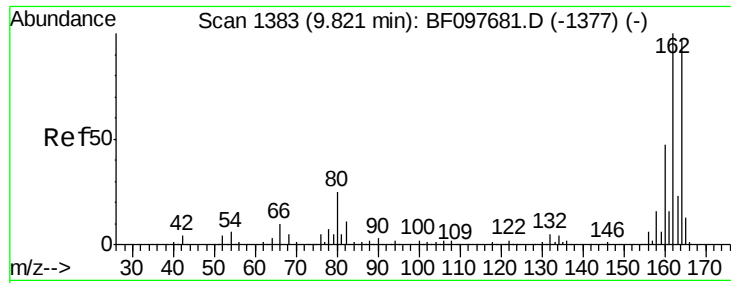
Delta R.T. -0.05 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	757791		
128	39.0	34.0	51.0	
54	40.8	42.2	63.2#	





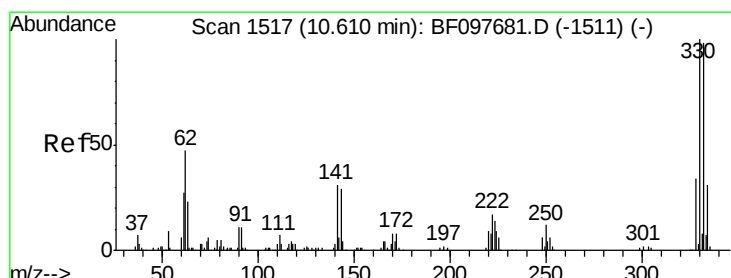
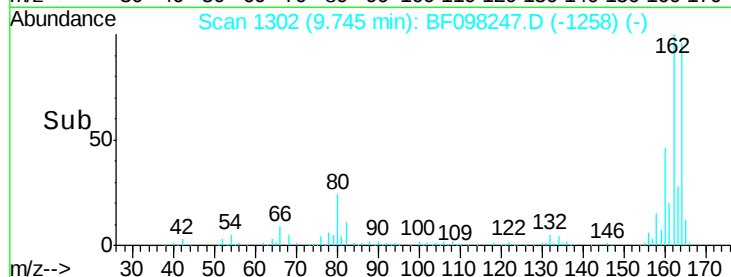
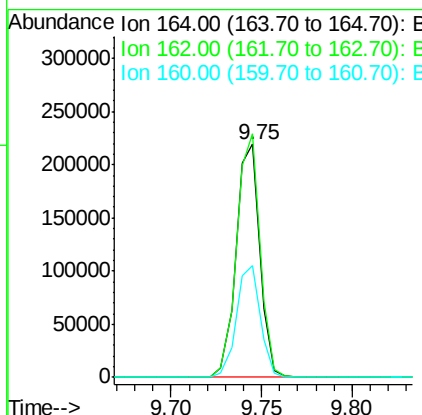
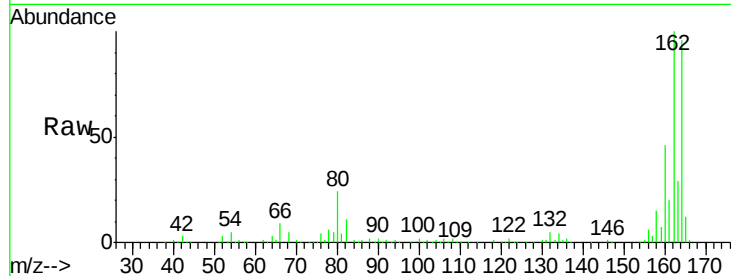
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	200122		
162	104.4	82.6	123.8	
160	48.1	36.2	54.2	

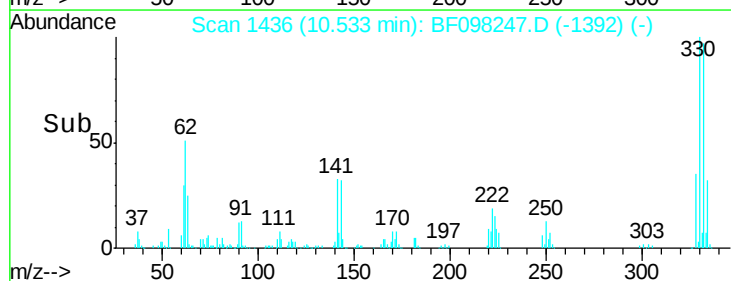
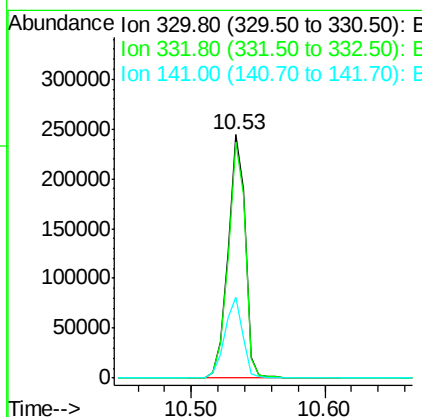
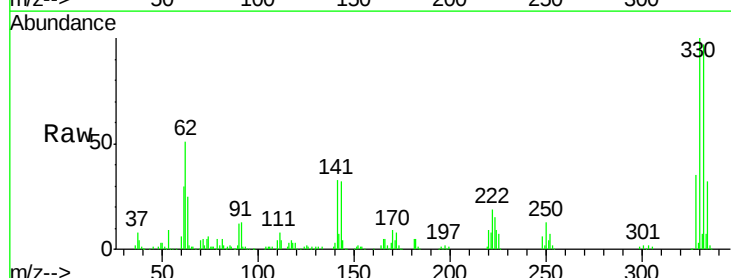
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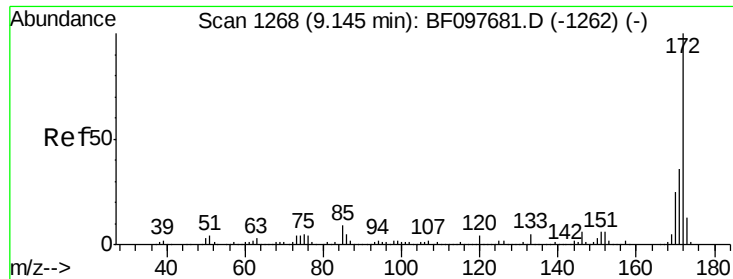
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#41
2,4,6-Tribromophenol
Concen: 128.806 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	223656		
332	96.4	76.6	115.0	
141	34.6	31.4	47.2	





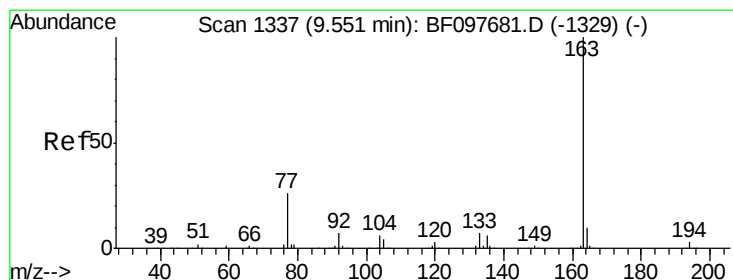
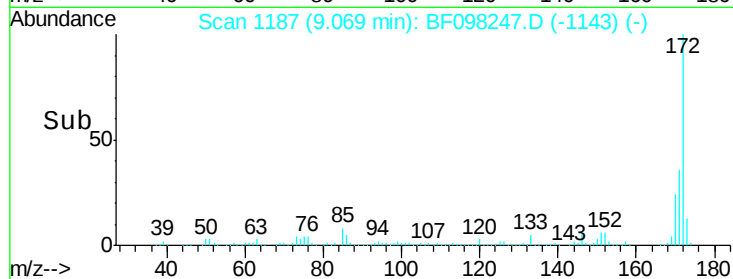
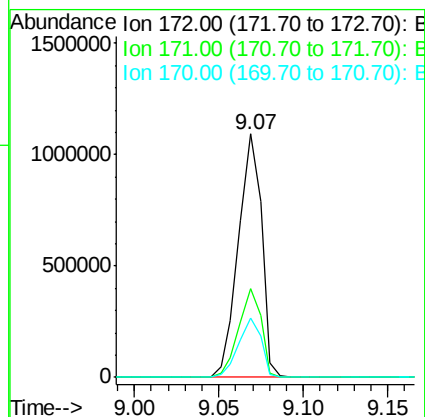
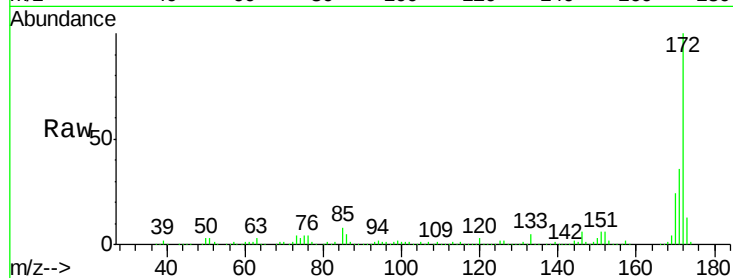
#44
2-Fluorobiphenyl
Concen: 77.075 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	19.8	29.8

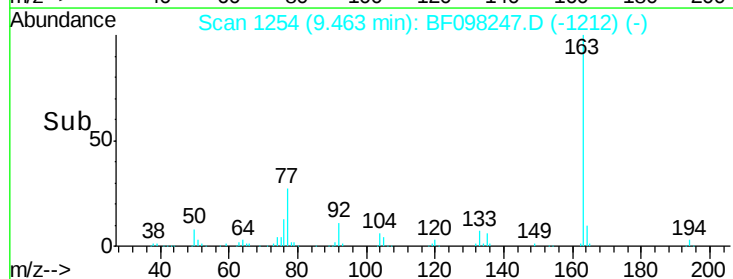
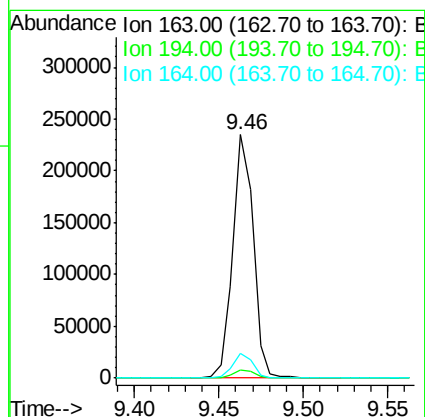
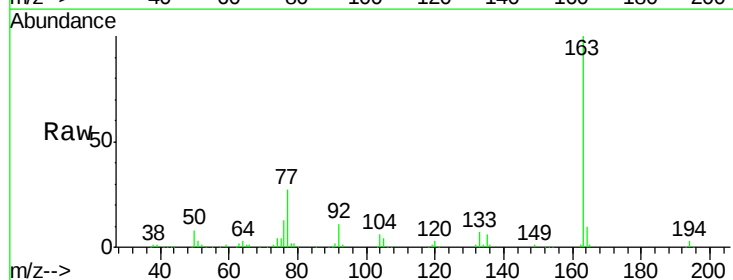
Manual Integrations
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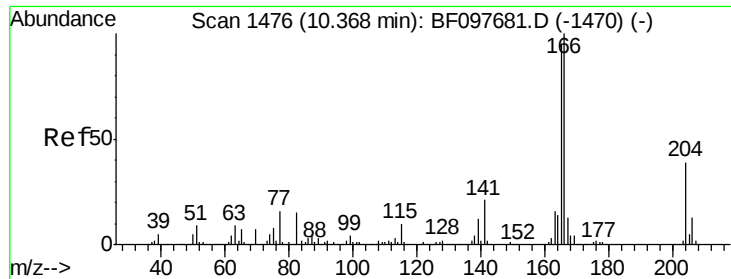
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#49
Dimethylphthalate
Concen: 13.476 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.05 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.4	12.6





#57

Fluorene

Concen: 2.155 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.05 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA_F

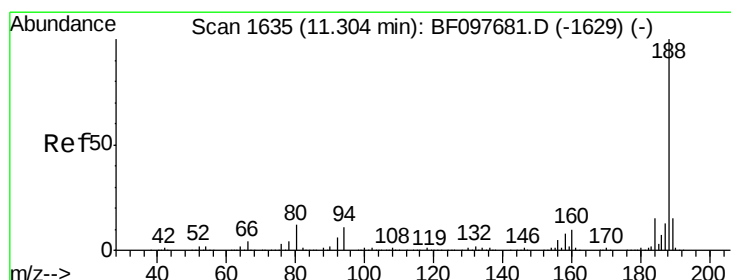
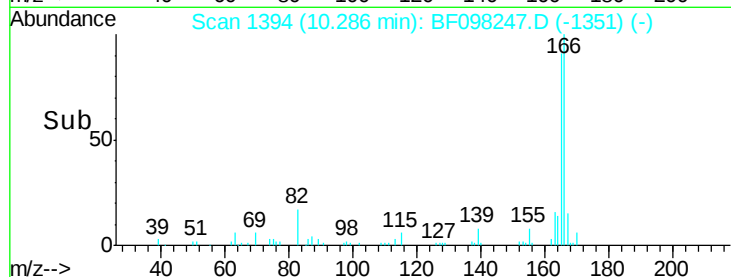
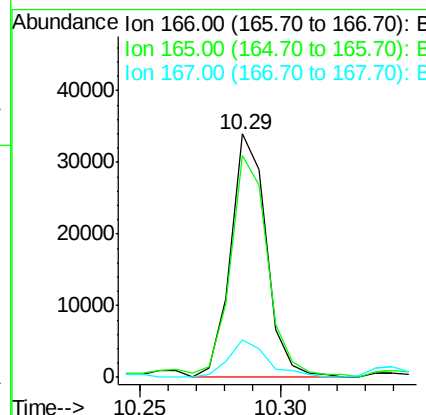
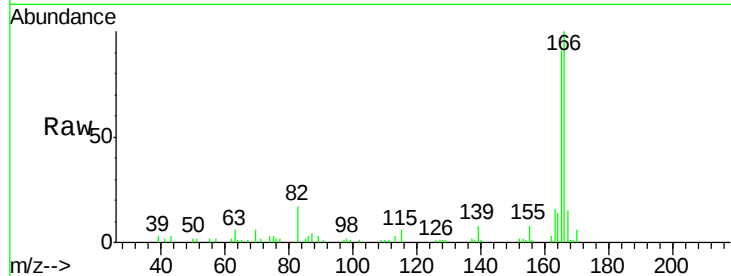
ClientSampleId :

SB-14-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	29815		
165	91.4	78.8	118.2	
167	15.3	10.6	16.0	

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#63

Phenanthrene-d10

Concen: 20.000 ng

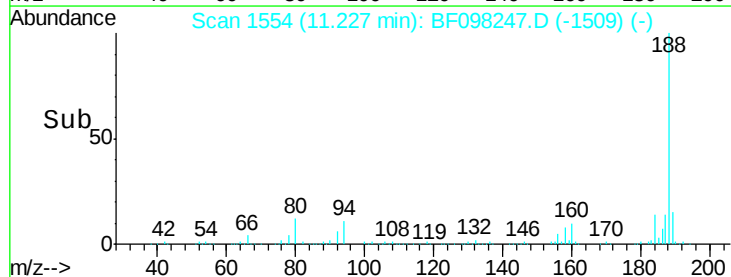
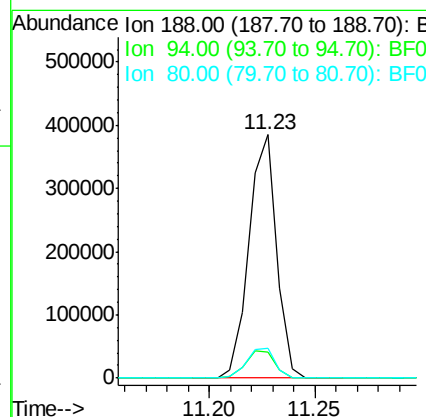
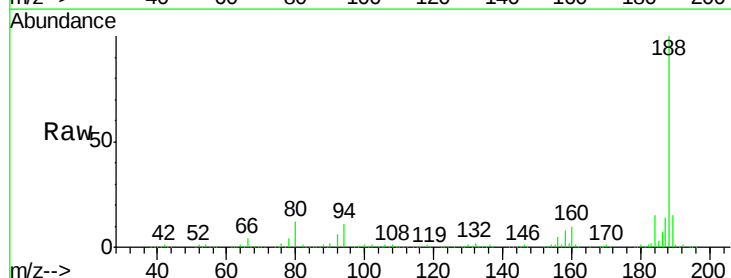
RT: 11.23 min Scan# 1554

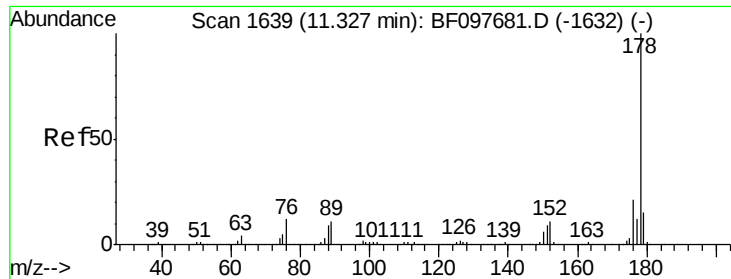
Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	348784		
94	10.8	9.4	14.2	
80	12.1	10.2	15.2	





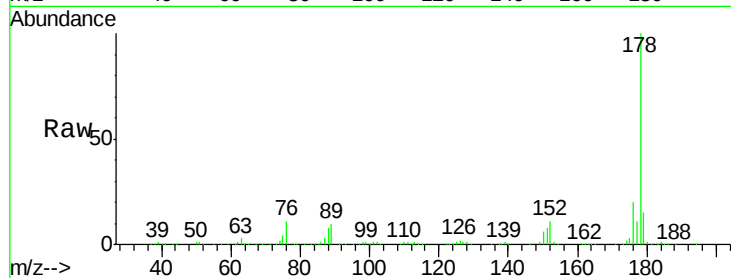
#70
Phenanthrene
Concen: 18.534 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

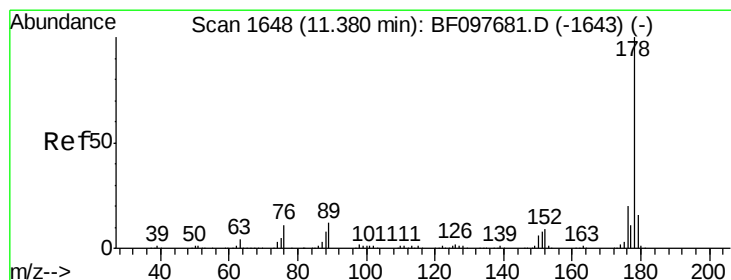
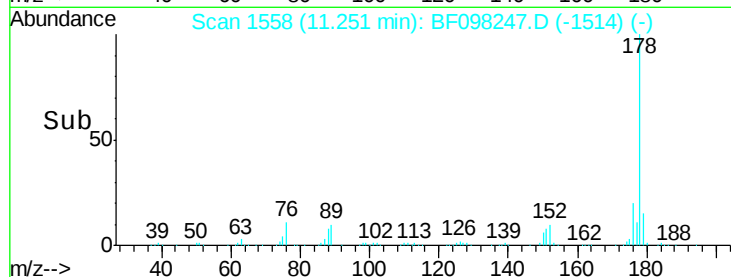
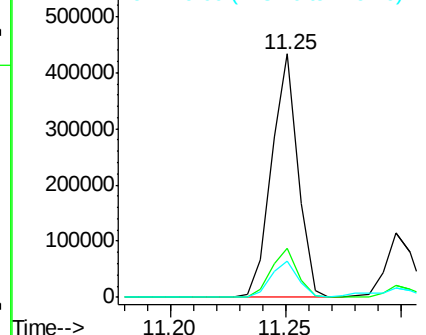
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.0	12.6	19.0

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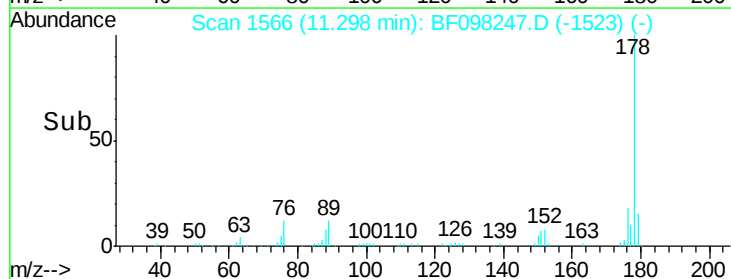
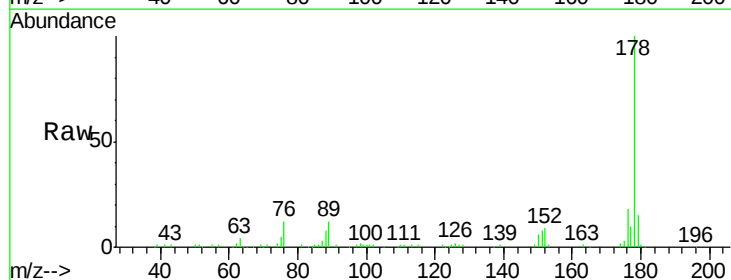
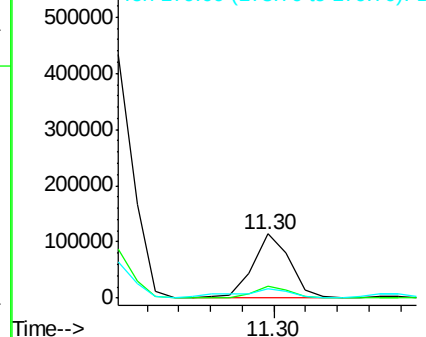
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

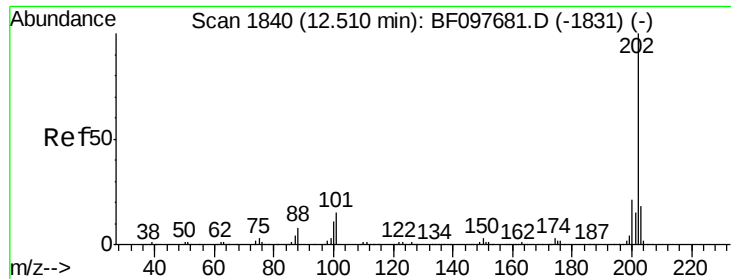


#71
Anthracene
Concen: 4.843 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.05 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.2	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.628 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA_F

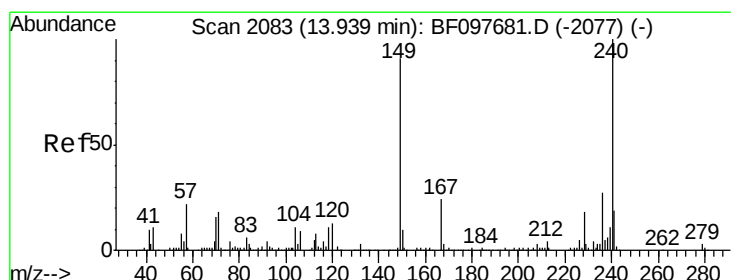
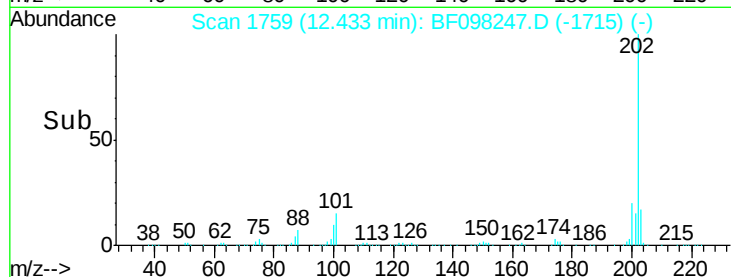
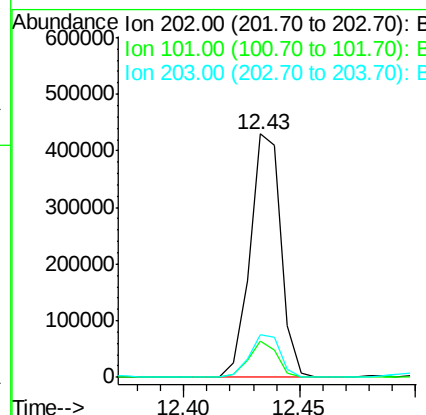
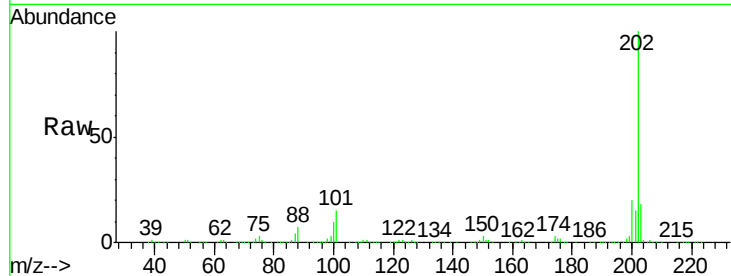
ClientSampleId :

SB-14-COMP

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

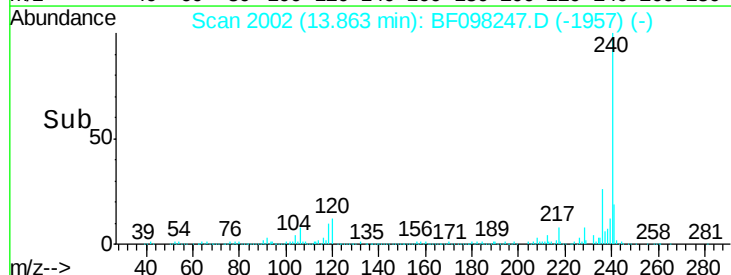
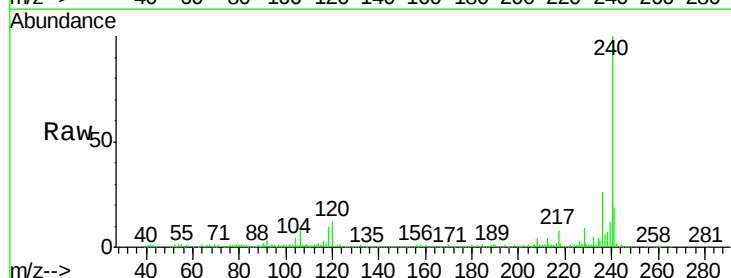
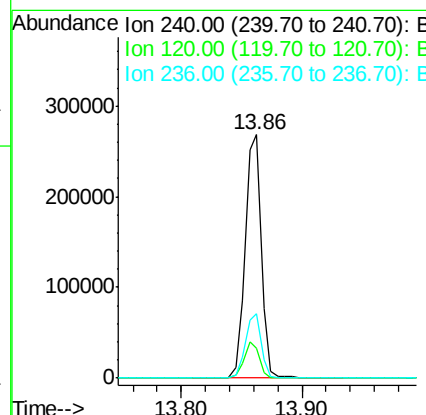
RT: 13.86 min Scan# 2002

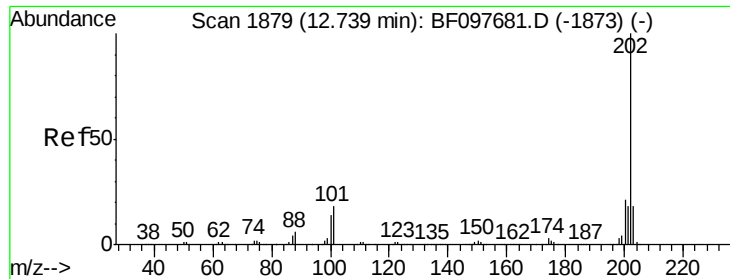
Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	26.4	20.5	30.7





#77

Pyrene

Concen: 17.279 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA_F

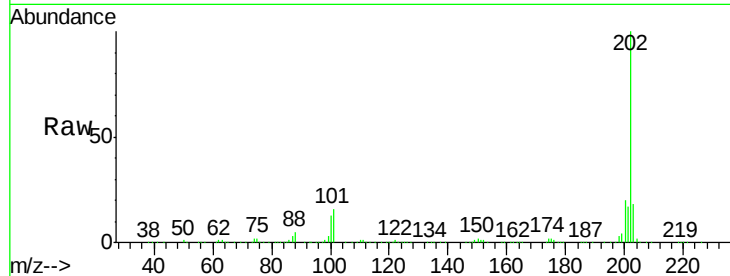
ClientSampleId :

SB-14-COMP

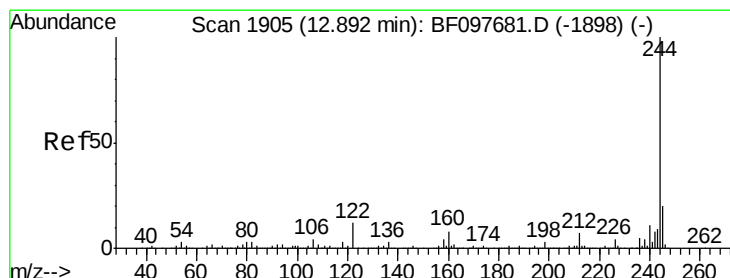
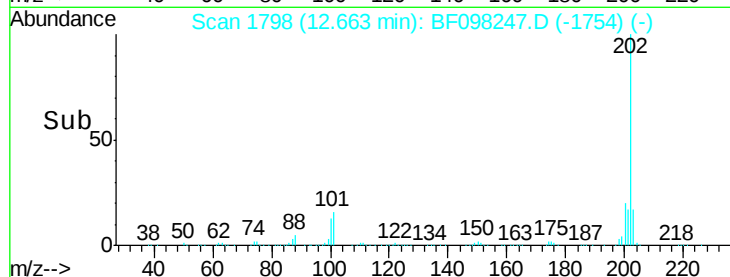
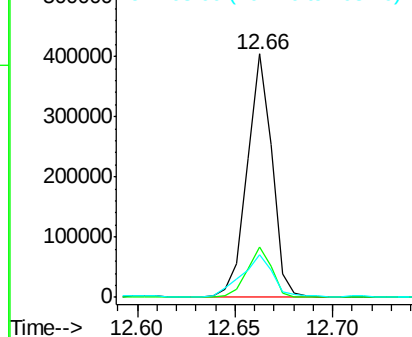
Tgt Ion:	202	Resp:	355208
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	17.6	14.4	21.6

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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



#78

Terphenyl-d14

Concen: 62.940 ng

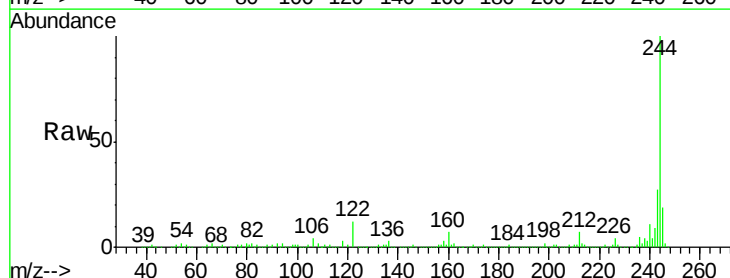
RT: 12.82 min Scan# 1824

Delta R.T. -0.04 min

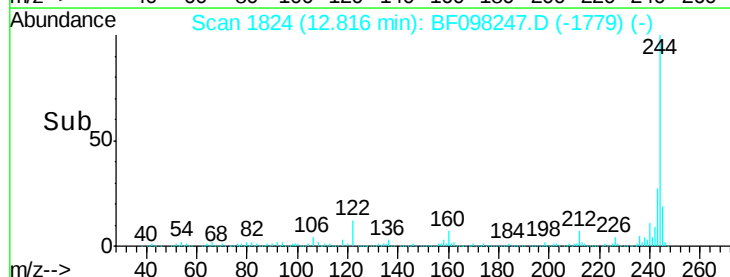
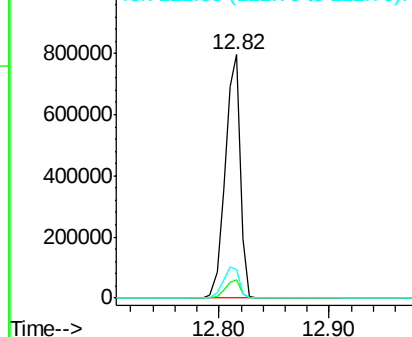
Lab File: BF098247.D

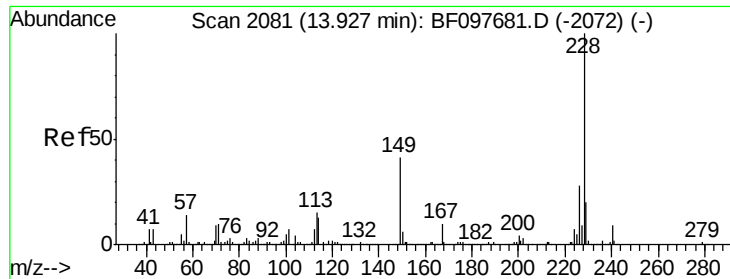
Acq: 2 Sep 2017 15:52

Tgt Ion:	244	Resp:	758608
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	11.9	10.3	15.5



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





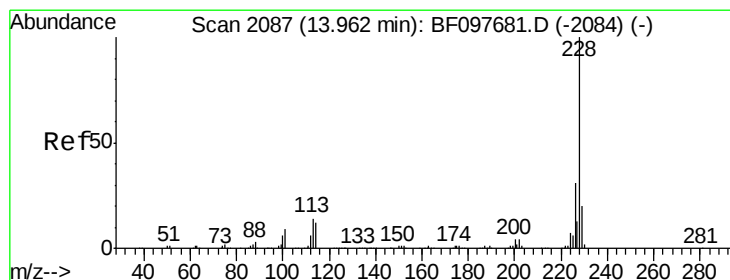
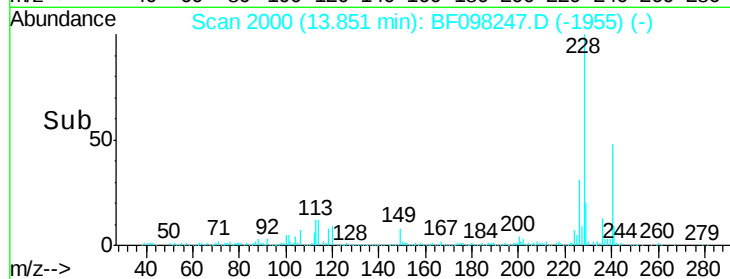
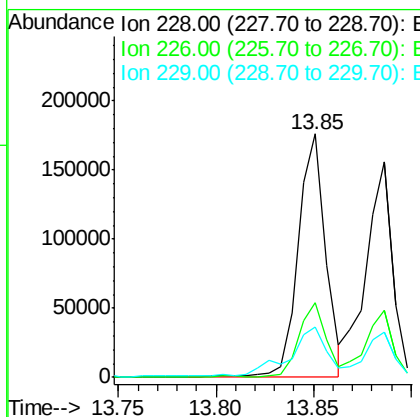
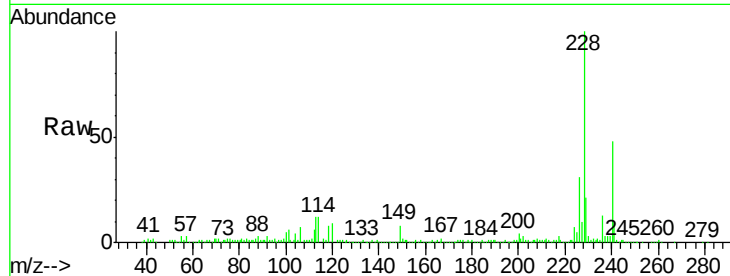
#80
Benzo(a)anthracene
Concen: 11.278 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	20.7	16.3	24.5

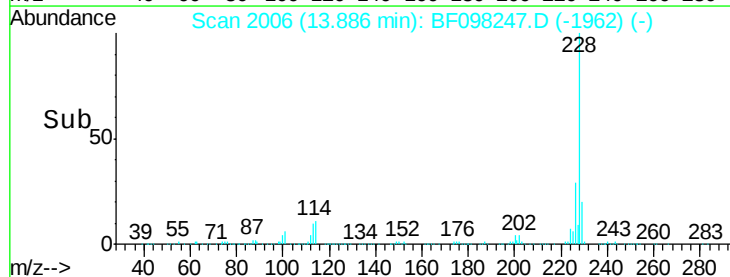
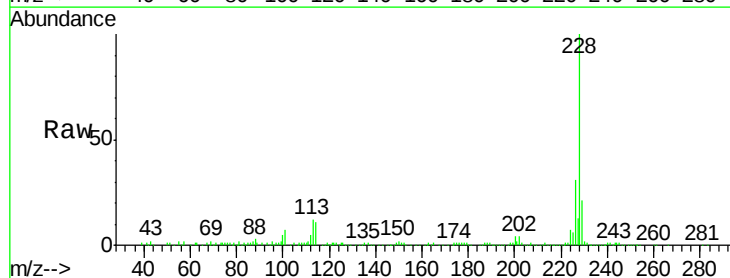
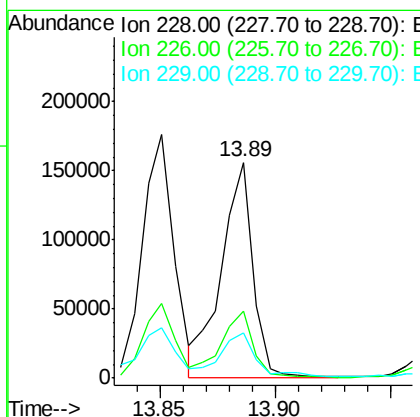
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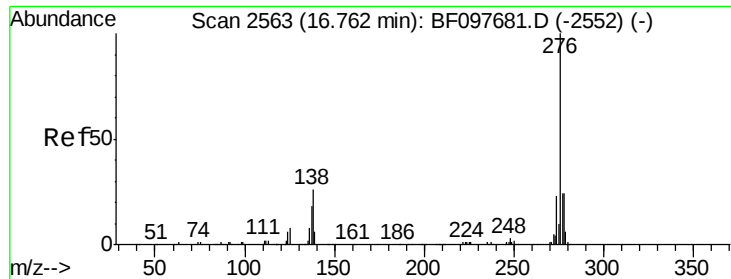
mohammad
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#82
Chrysene
Concen: 9.834 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.0	15.8	23.6





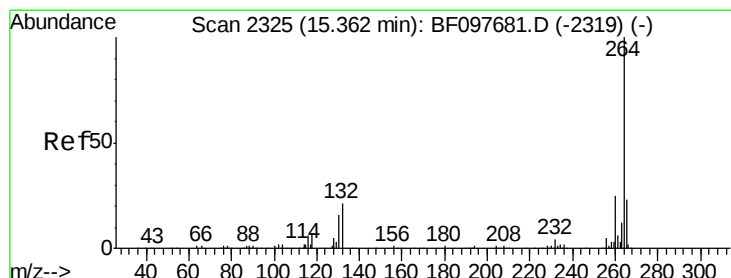
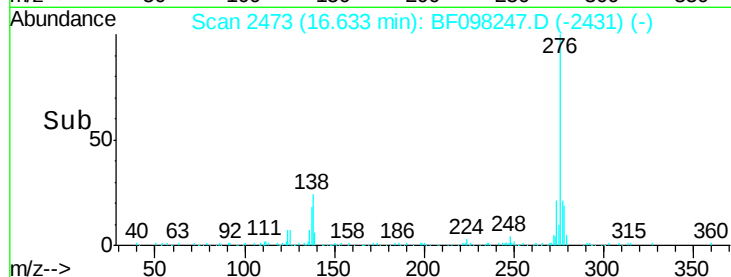
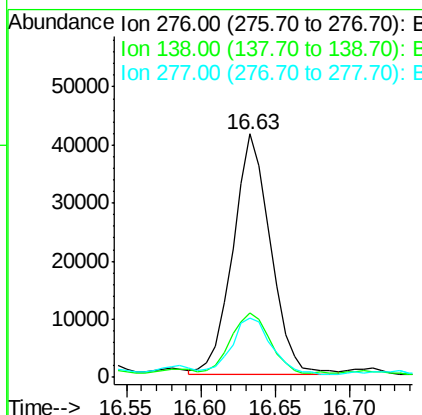
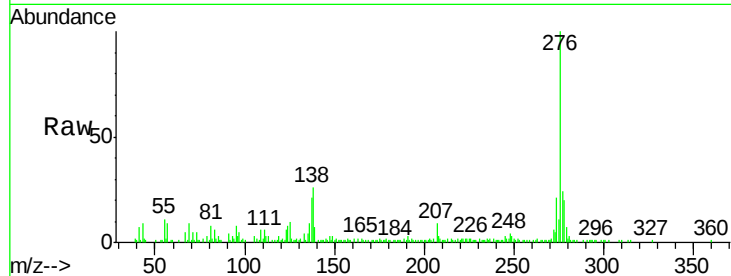
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.607 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.05 min
 Lab File: BF098247.D
 Acq: 2 Sep 2017 15:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	27.8	41.6#
277	25.0	20.2	30.4

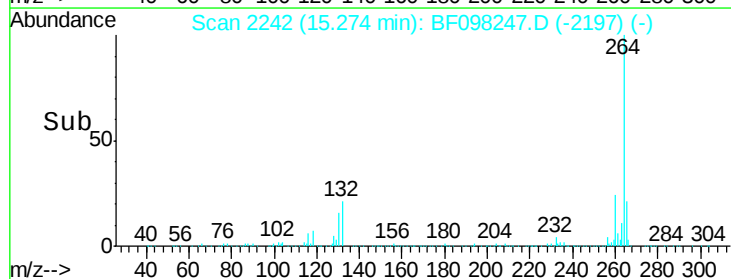
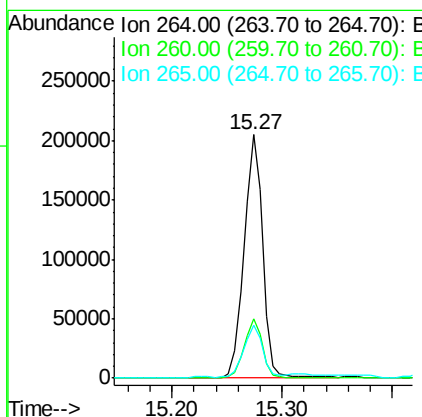
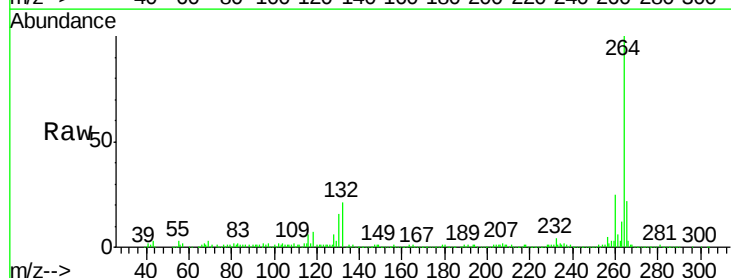
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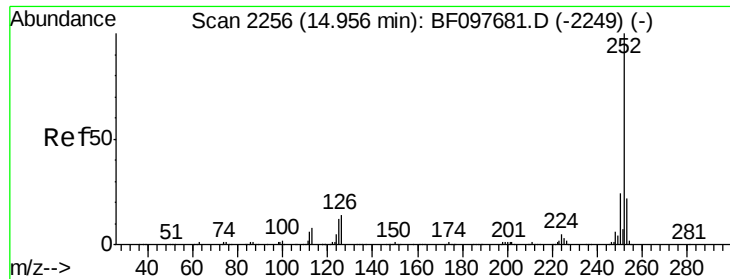
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.04 min
 Lab File: BF098247.D
 Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.7	17.2	25.8





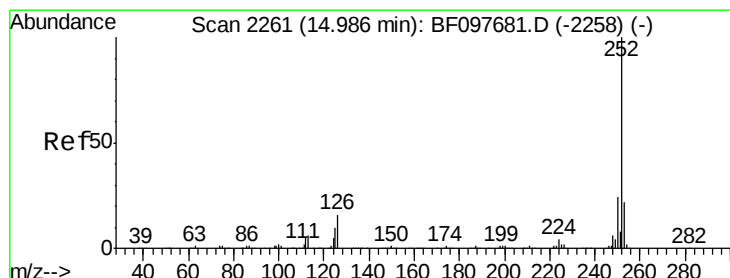
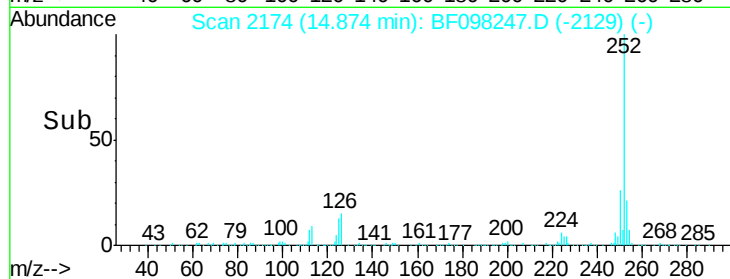
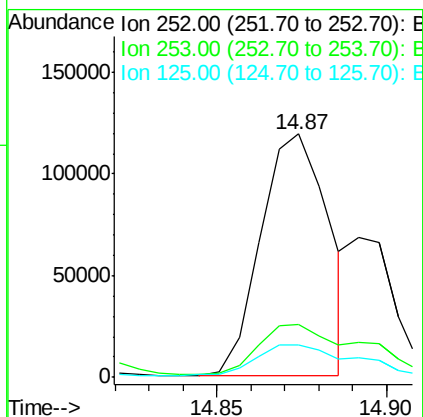
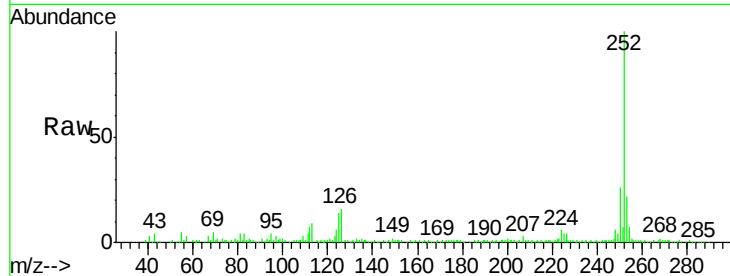
#87
Benzo(b)fluoranthene
Concen: 10.825 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	13.5	9.8	14.8

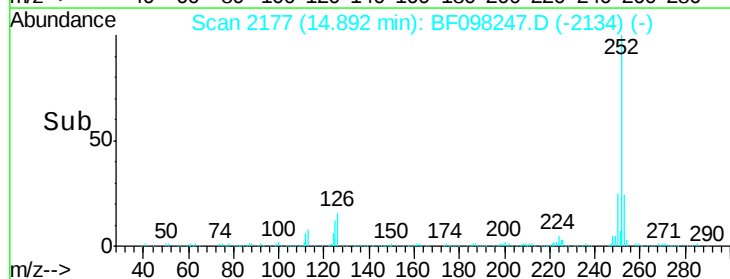
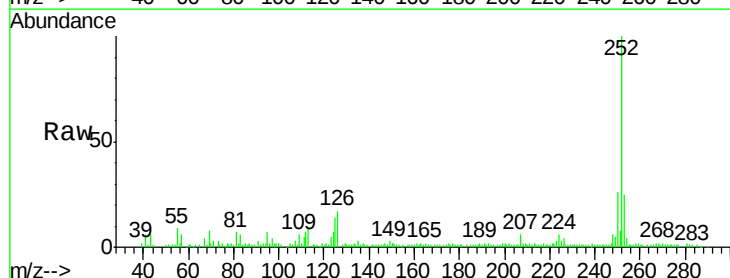
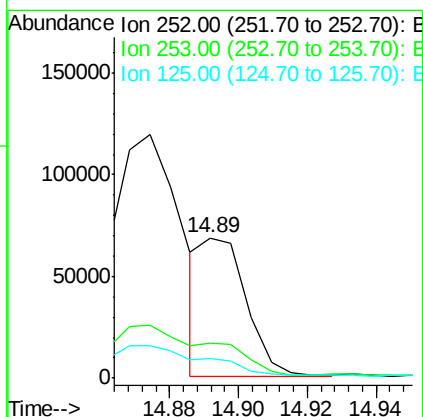
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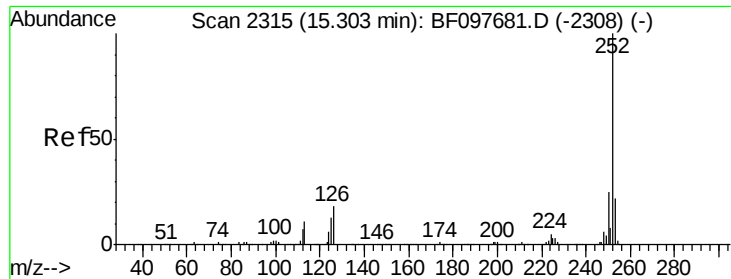
mohammad
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#88
Benzo(k)fluoranthene
Concen: 4.182 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.05 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	14.2	13.1	19.7





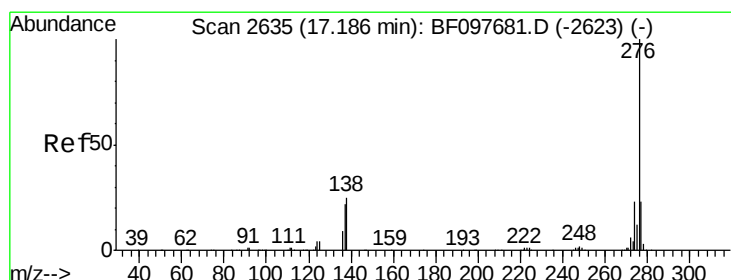
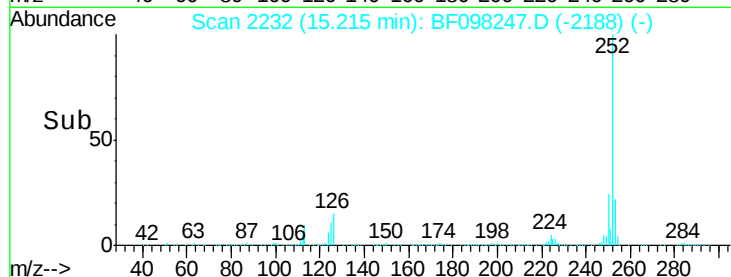
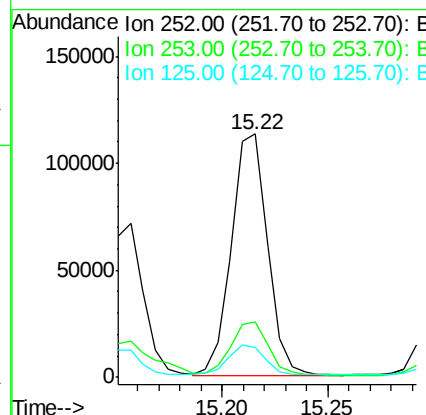
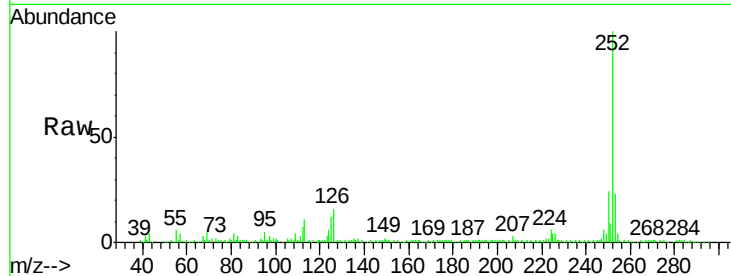
#89
Benzo(a)pyrene
Concen: 9.863 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion:	252	Resp:	134258
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	12.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.556 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.06 min
Lab File: BF098247.D
Acq: 2 Sep 2017 15:52

Tgt Ion:	276	Resp:	64243
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	28.0
138	30.0	25.4	38.0

