

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
 Data File : BF094677.D
 Acq On : 27 Apr 2017 21:30
 Operator : SJ/MA
 Sample : I2859-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UT-W

Manual Integrations
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Quant Time: Apr 28 14:48:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	102794	20.00	ng	0.00
21) Naphthalene-d8	7.28	136	266701	20.00	ng	0.01
38) Acenaphthene-d10	9.48	164	97359	20.00	ng	0.08
63) Phenanthrene-d10	11.29	188	220539	20.00	ng	0.07
75) Chrysene-d12	14.48	240	227093	20.00	ng	0.01
86) Perylene-d12	16.10	264	217311	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.35	112	404965	65.36	ng	0.04
7) Phenol-d6	5.41	99	320953	43.94	ng	0.02
23) Nitrobenzene-d5	6.43	82	645518	149.45	ng	0.01
41) 2,4,6-Tribromophenol	10.45	330	127209	167.04	ng	0.08
44) 2-Fluorobiphenyl	8.64	172	664485	100.42	ng	0.05
78) Terphenyl-d14	13.23	244	797545	93.87	ng	0.03
Target Compounds						
31) Naphthalene	7.31	128	2282109	177.99	ng	# 91
37) 2-Methylnaphthalene	8.18	142	2660474	303.30	ng	# 96
57) Fluorene	10.15	166	713054	106.68	ng	# 87
70) Phenanthrene	11.33	178	2347254	189.00	ng	# 96
71) Anthracene	11.38	178	223655	17.41	ng	# 64
72) Carbazole	11.59	167	660222	54.76	ng	# 87
74) Fluoranthene	12.77	202	801360	62.26	ng	97
77) Pyrene	13.04	202	837992	52.82	ng	96
80) Benzo(a)anthracene	14.47	228	126154	9.56	ng	# 95
82) Chrysene	14.51	228	134743	11.17	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.38	276	35541	3.10	ng	94
87) Benzo(b)fluoranthene	15.70	252	115956m	8.72	ng	
88) Benzo(k)fluoranthene	15.72	252	37411m	2.97	ng	
89) Benzo(a)pyrene	16.04	252	69182	5.59	ng	99
91) Benzo(a,h,i)perylene	17.75	276	33816	3.23	ng	92

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

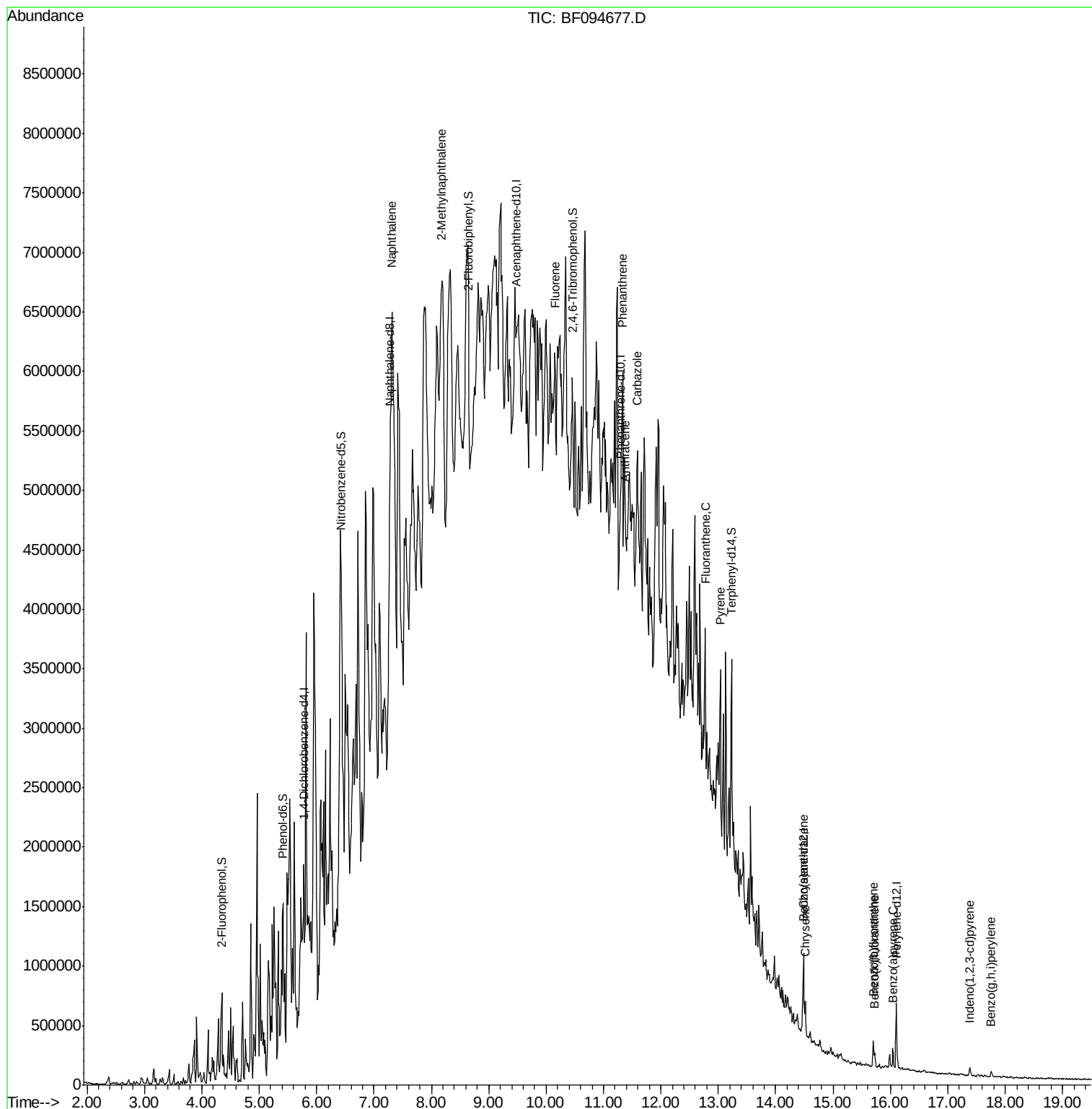
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
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Misc :
ALS Vial : 14 Sample Multiplier: 1

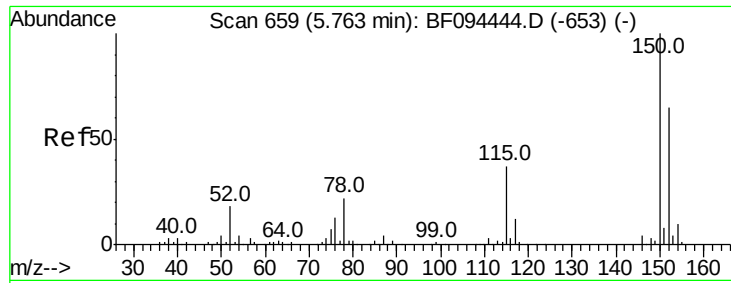
Instrument :
BNA_F
ClientSampled :
UT-W

Quant Time: Apr 28 14:48:32 2017
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#1

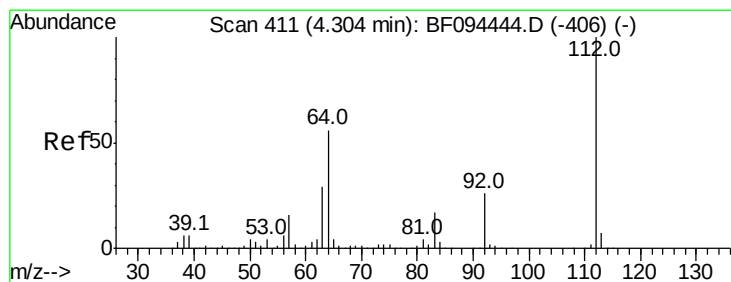
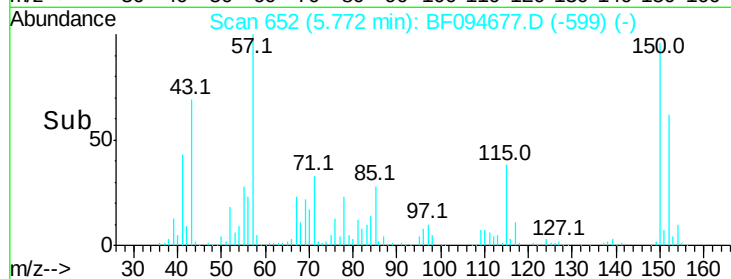
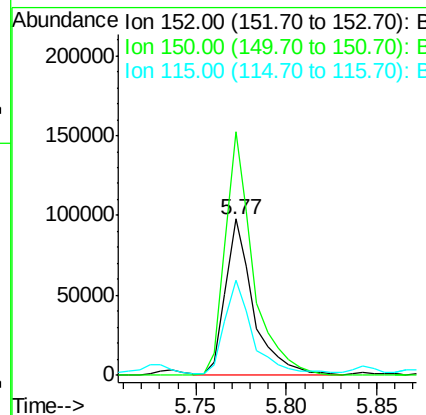
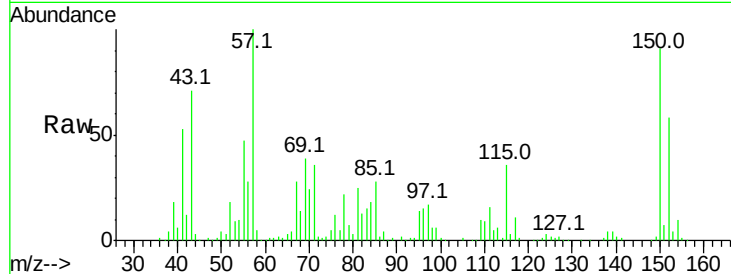
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Instrument :
BNA_F
ClientSampled :
UT-W

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	61.0	52.2	78.2

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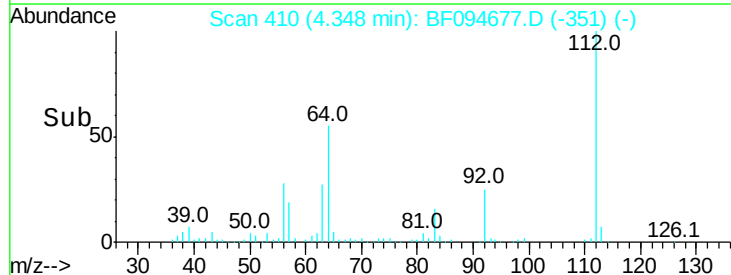
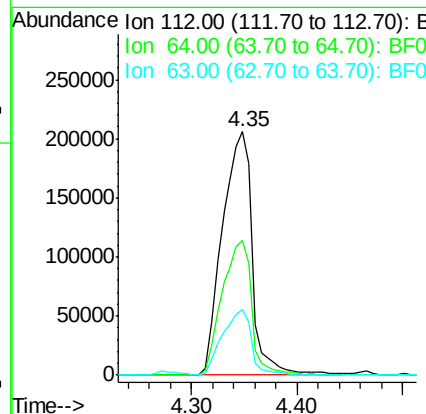
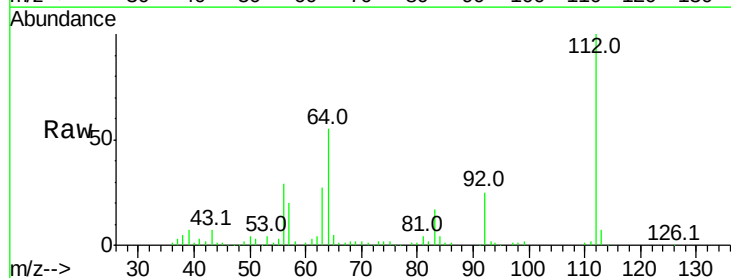
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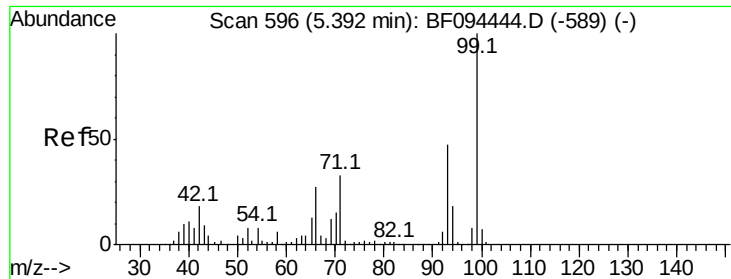


#5

2-Fluorophenol
Concen: 65.36 ng
RT: 4.35 min Scan# 410
Delta R.T. 0.04 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 43.94 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.02 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

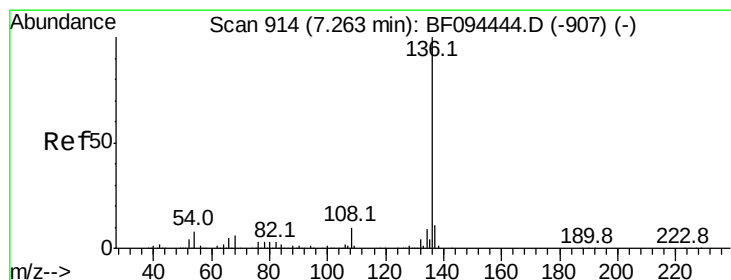
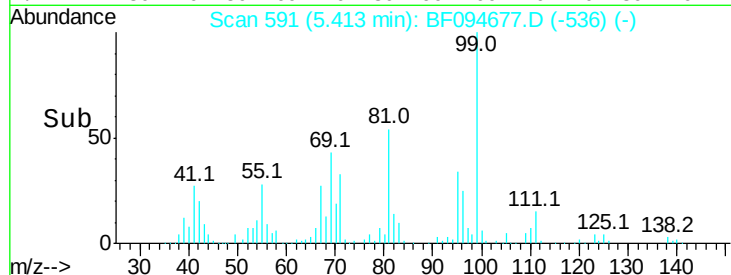
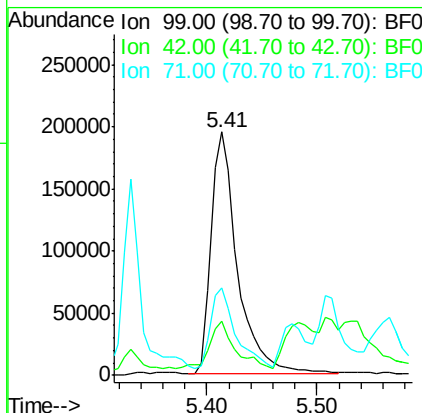
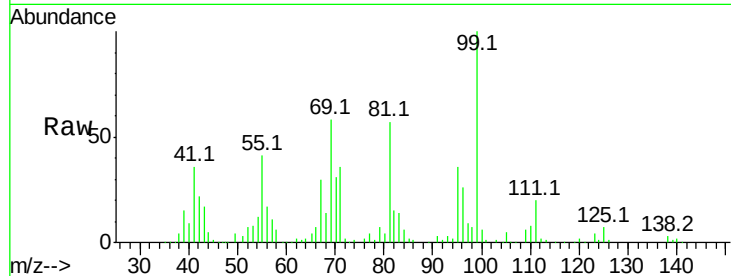
ClientSampled :

UT-W

Tot Ion:	99	Resp:	320953
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.5	20.3#
71	35.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

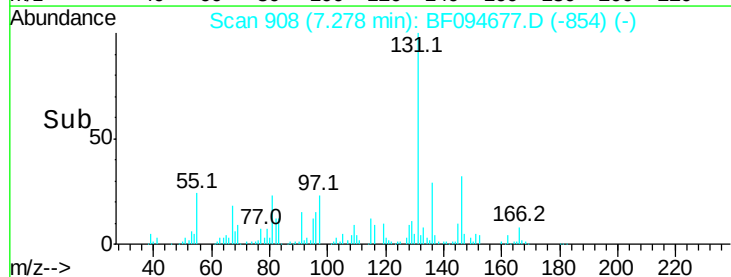
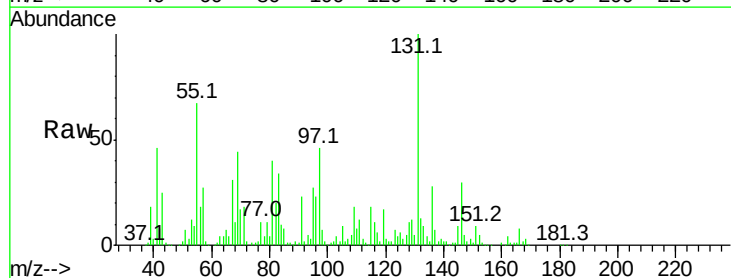
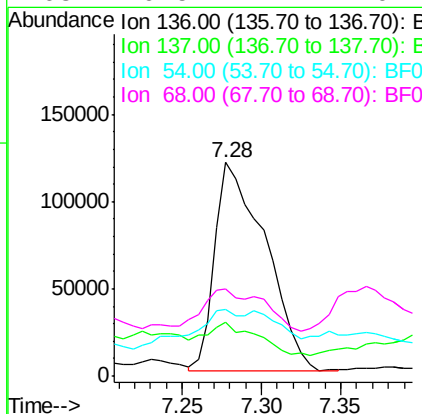
RT: 7.28 min Scan# 908

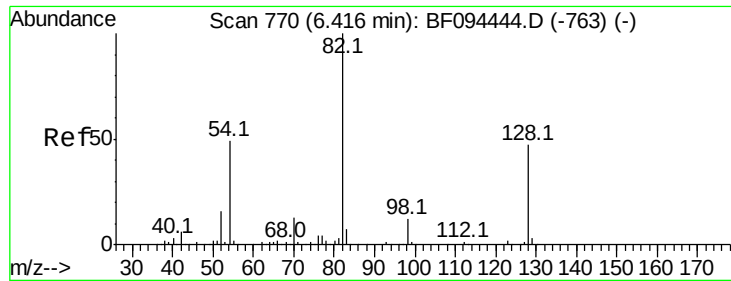
Delta R.T. 0.01 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Tgt Ion:	136	Resp:	266701
Ion Ratio	Lower	Upper	
136	100		
137	25.1	8.5	12.7#
54	31.2	4.9	7.3#
68	40.5	4.1	6.1#





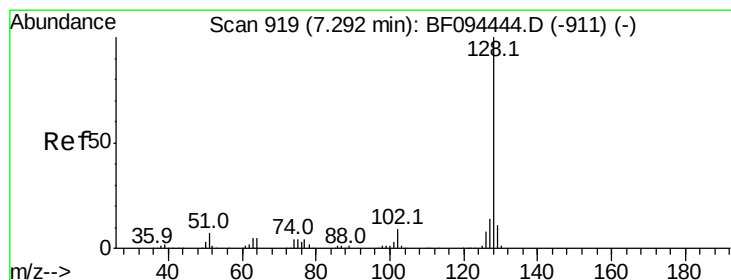
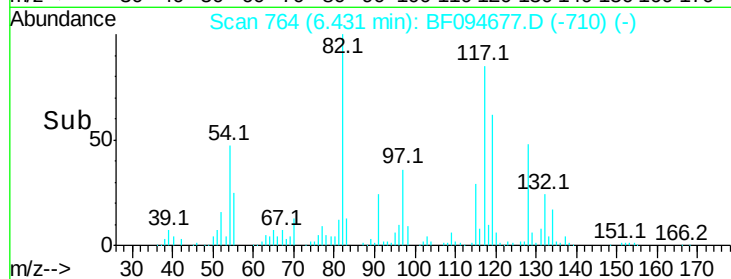
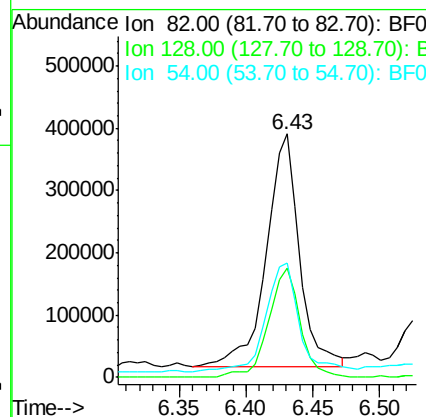
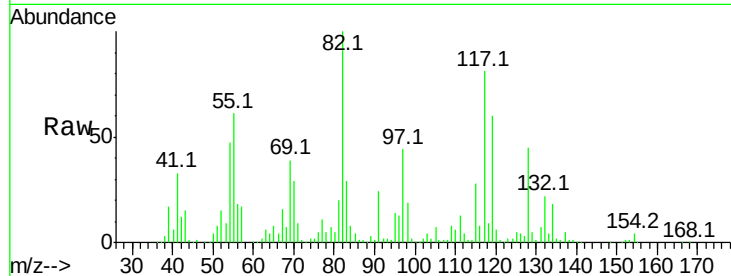
#23
Nitrobenzene-d5
Concen: 149.45 ng
RT: 6.43 min Scan# 764
Delta R.T. 0.01 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Instrument :
BNA_F
ClientSampled :
UT-W

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	47.1	42.2	63.2

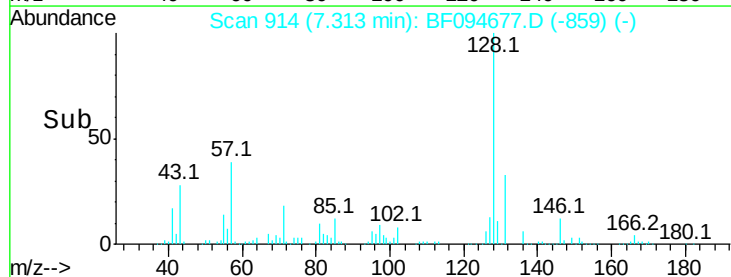
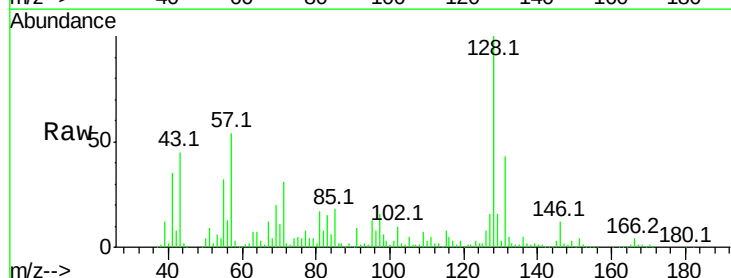
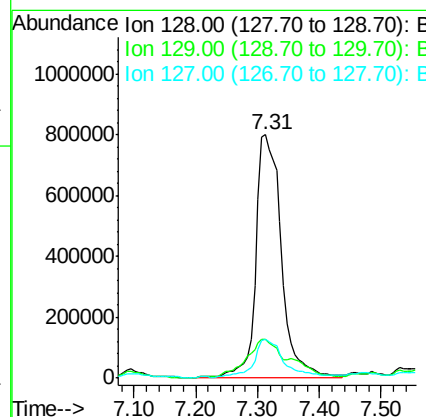
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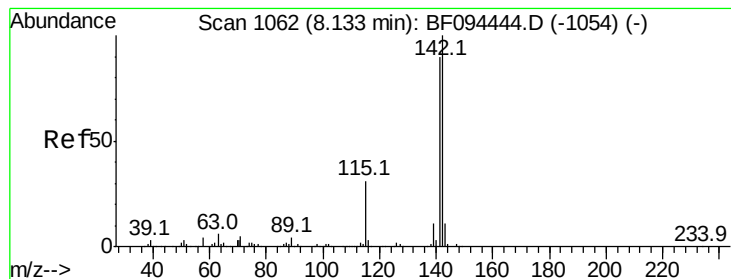
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#31
Naphthalene
Concen: 177.99 ng
RT: 7.31 min Scan# 914
Delta R.T. 0.02 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.0	9.0	13.6#
127	16.0	10.8	16.2





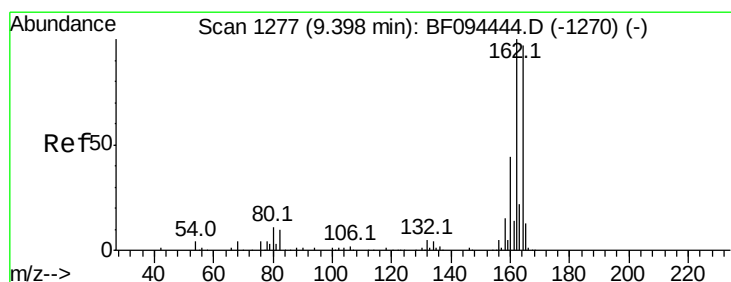
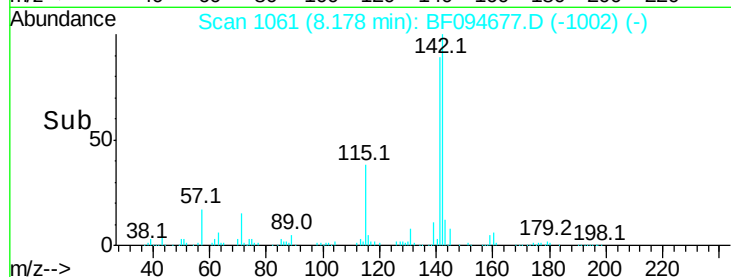
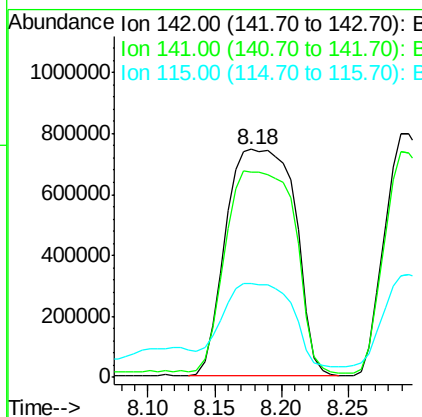
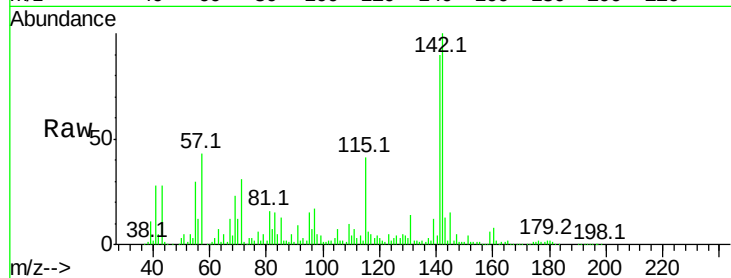
#37
 2-Methylnaphthalene
 Concen: 303.30 ng
 RT: 8.18 min Scan# 1061
 Delta R.T. 0.04 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Instrument :
 BNA_F
 ClientSampled :
 UT-W

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	41.4	27.1	40.7#

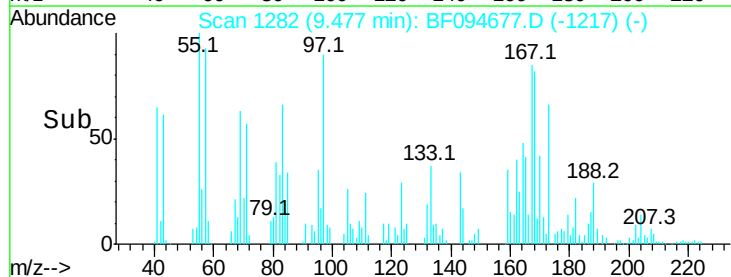
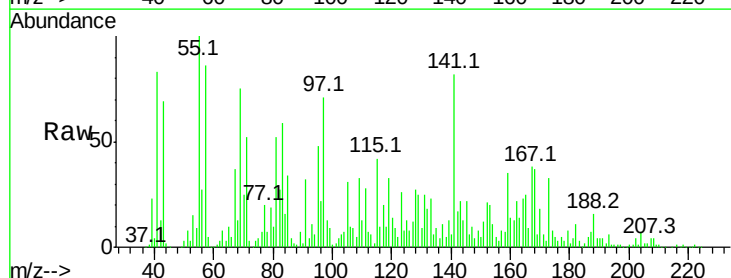
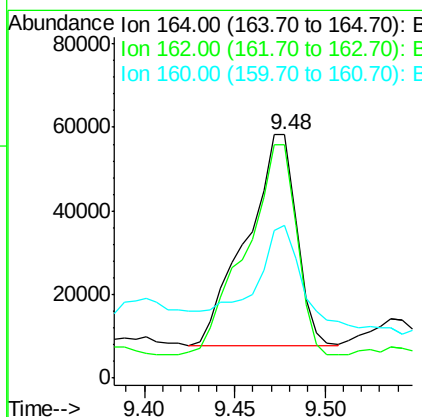
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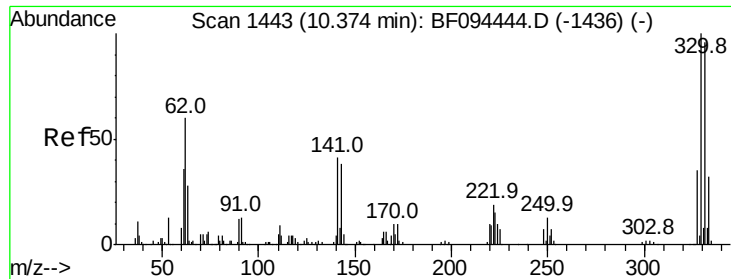
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1282
 Delta R.T. 0.08 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	82.6	123.8
160	62.8	36.2	54.2#





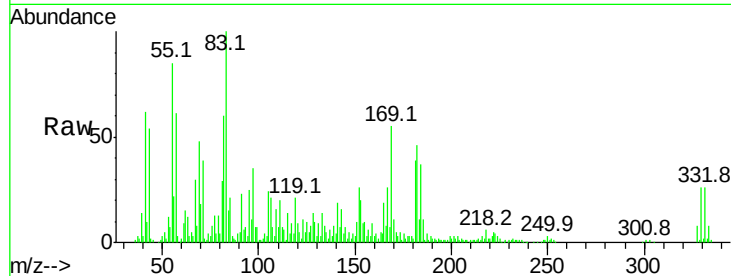
#41
 2,4,6-Tribromophenol
 Concen: 167.04 ng
 RT: 10.45 min Scan# 1448
 Delta R.T. 0.08 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Instrument :
 BNA_F
 ClientSampled :
 UT-W

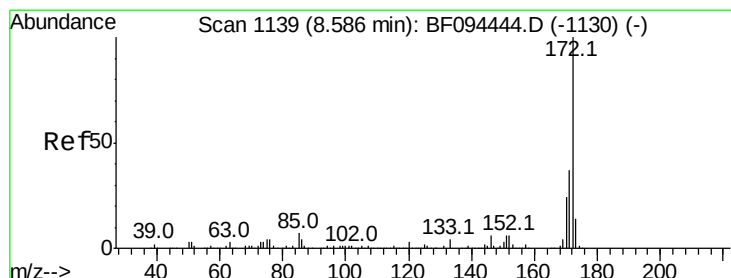
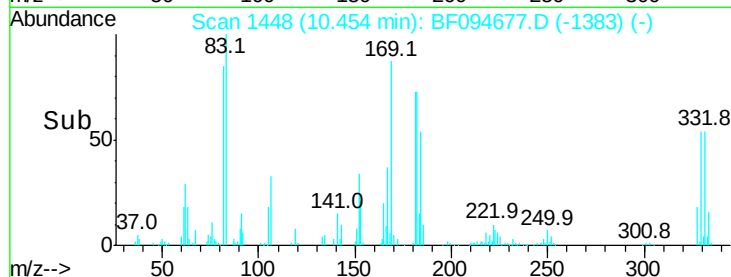
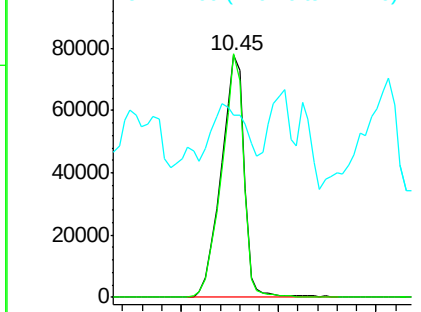
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.6	115.0	
141	31.2	31.4	47.2	

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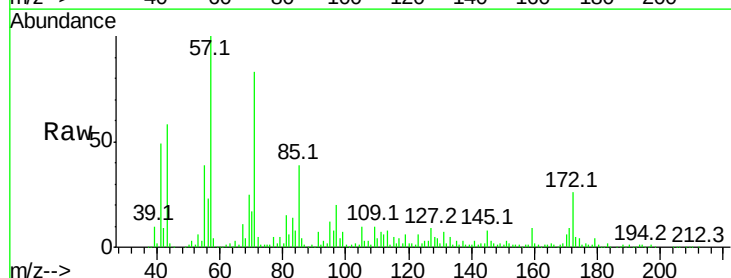


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

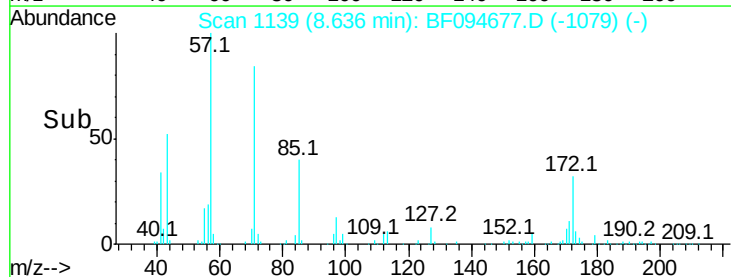
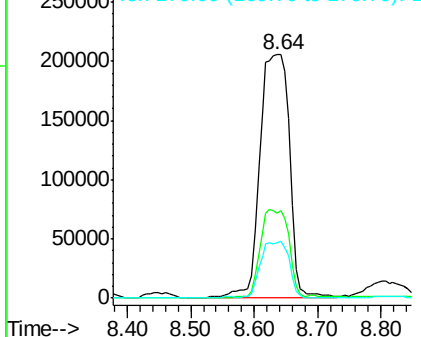


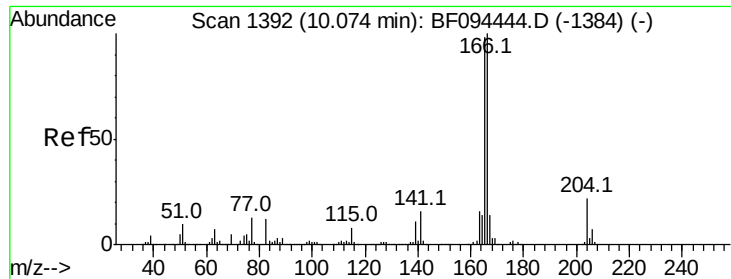
#44
 2-Fluorobiphenyl
 Concen: 100.42 ng
 RT: 8.64 min Scan# 1139
 Delta R.T. 0.05 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.6	44.4	
170	23.0	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#57

Fluorene

Concen: 106.68 ng

RT: 10.15 min Scan# 1397

Delta R.T. 0.08 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

ClientSampled :

UT-W

Tot Ion:166 Resp: 713054

Ion Ratio Lower Upper

166 100

165 108.2 78.8 118.2

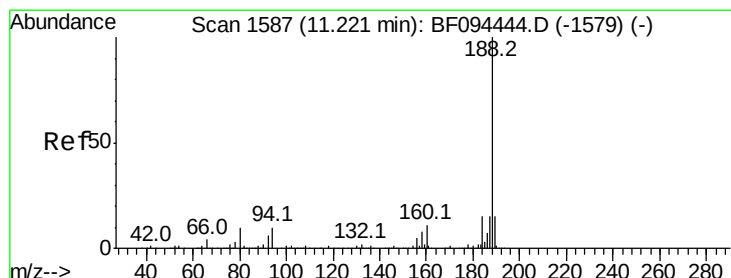
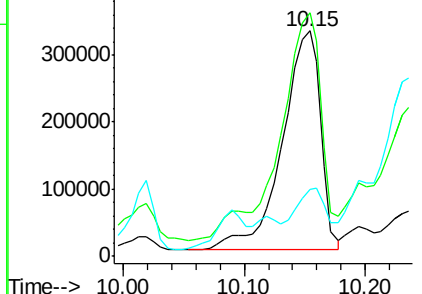
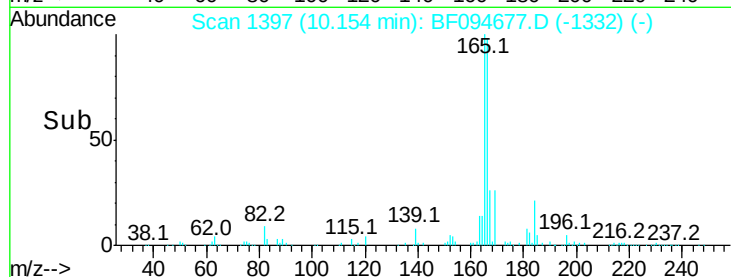
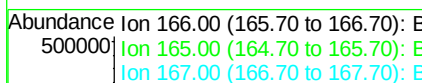
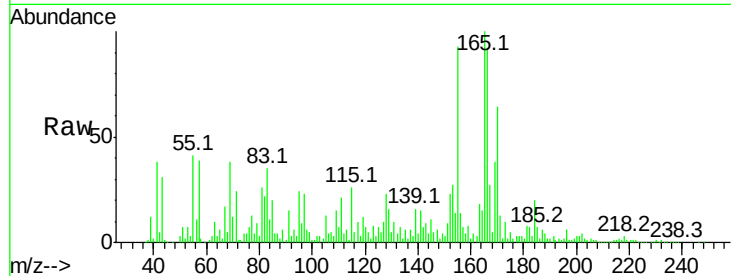
167 29.6 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1590

Delta R.T. 0.07 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

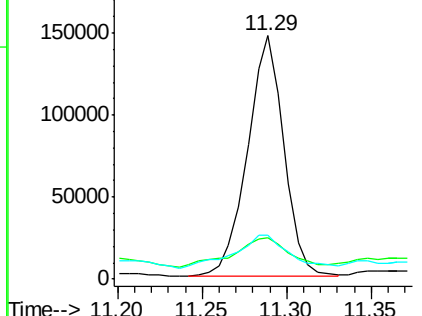
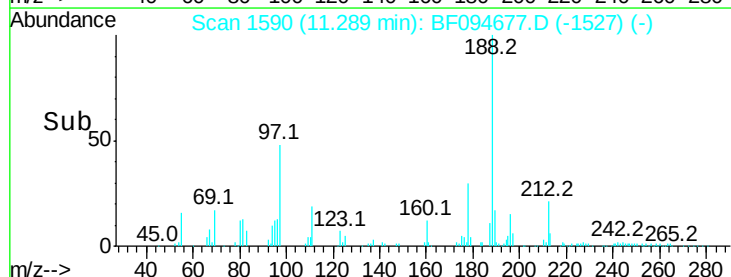
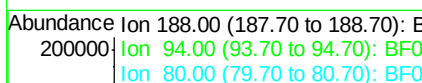
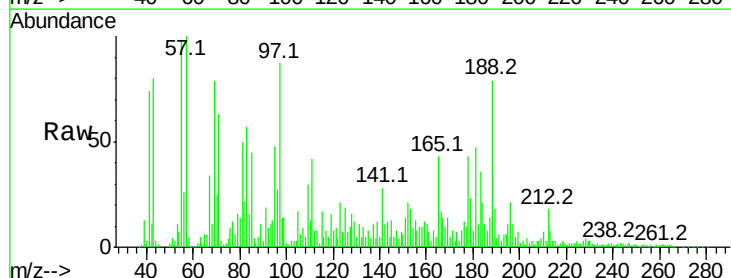
Tgt Ion:188 Resp: 220539

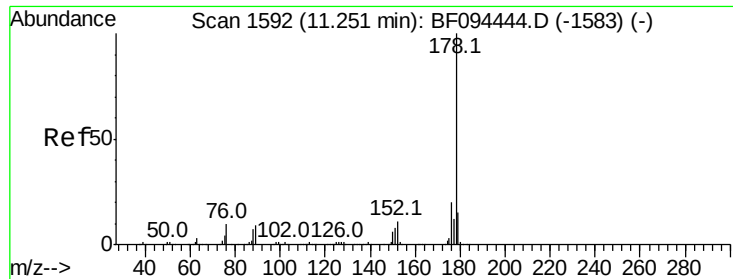
Ion Ratio Lower Upper

188 100

94 17.0 9.4 14.2#

80 17.9 10.2 15.2#





#70

Phenanthrene

Concen: 189.00 ng

RT: 11.33 min Scan# 1597

Delta R.T. 0.08 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

ClientSampleId :

UT-W

Tot Ion:178 Resp: 2347254

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

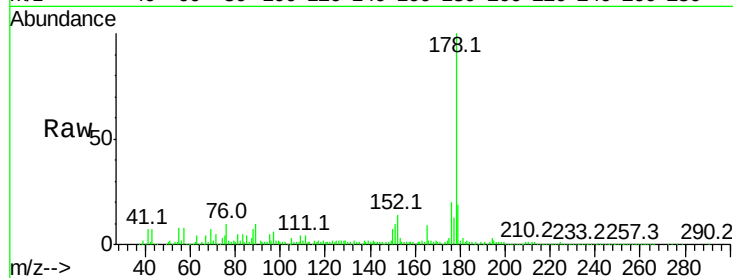
179 19.3 12.6 19.0#

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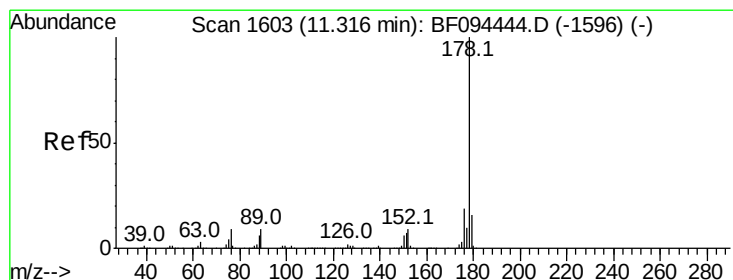
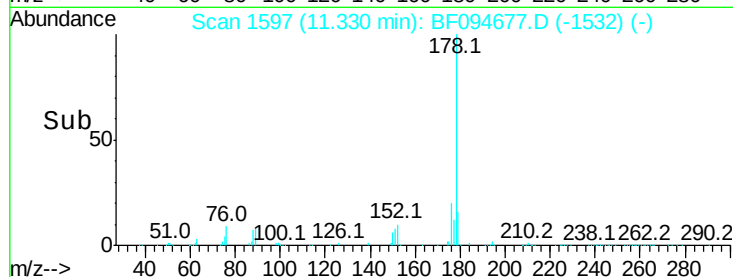
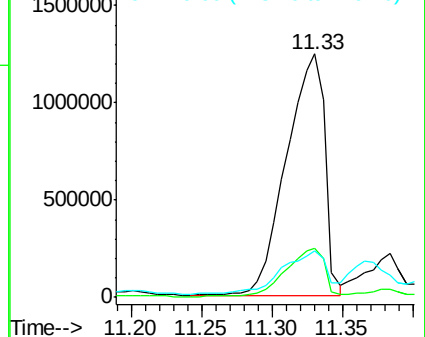
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.41 ng

RT: 11.38 min Scan# 1606

Delta R.T. 0.07 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

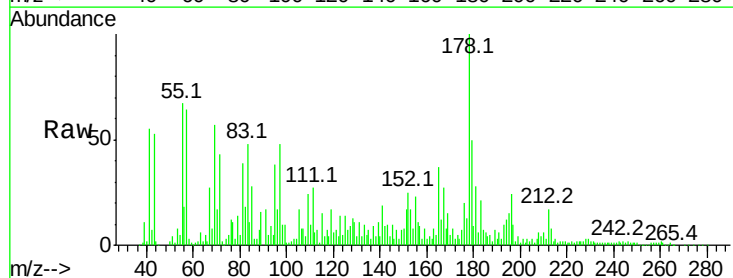
Tgt Ion:178 Resp: 223655

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

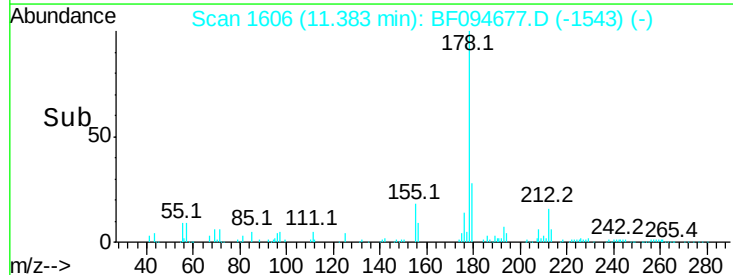
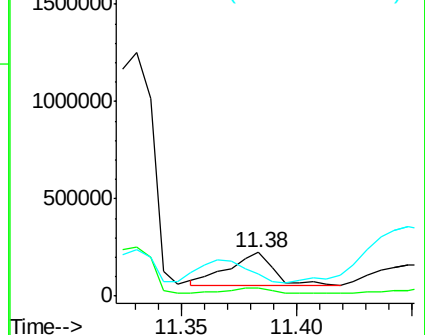
179 50.2 12.7 19.1#

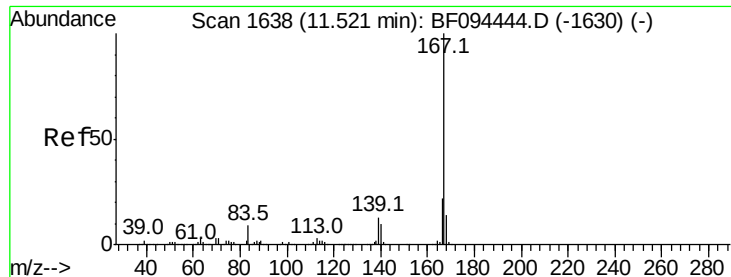


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 54.76 ng

RT: 11.59 min Scan# 1641

Delta R.T. 0.07 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

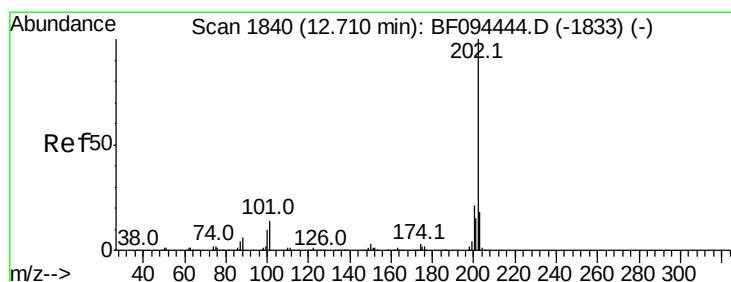
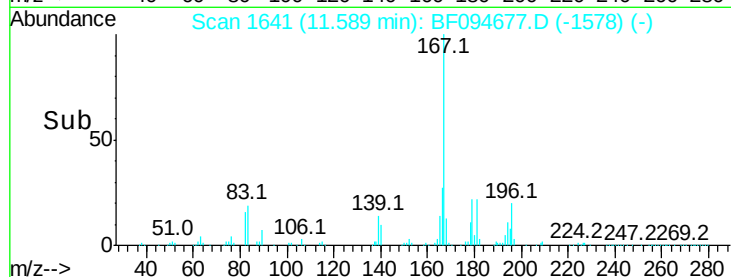
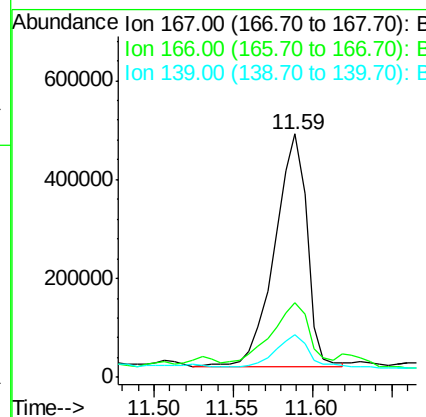
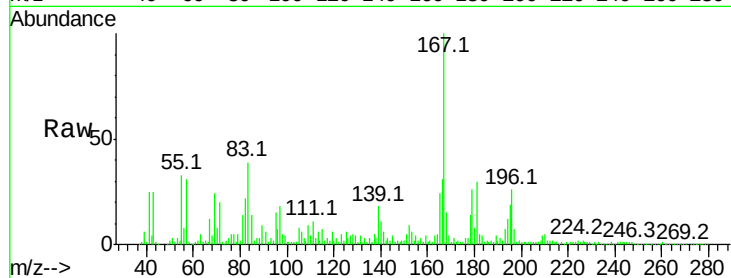
ClientSampleId :

UT-W

Tot Ion:	167	Resp:	660222
Ion Ratio	Lower	Upper	
167	100		
166	30.6	18.1	27.1#
139	17.5	11.7	17.5#

Manual Integrations
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mohammad
4/28/2017 3:00:55 PM



#74

Fluoranthene

Concen: 62.26 ng

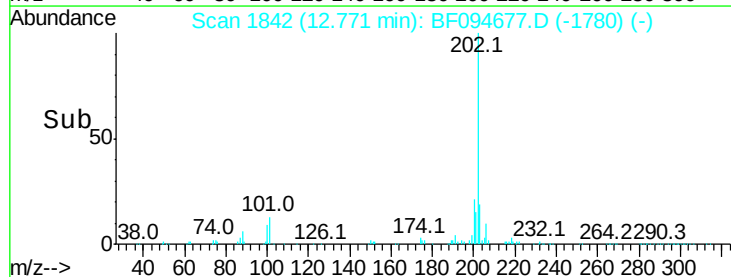
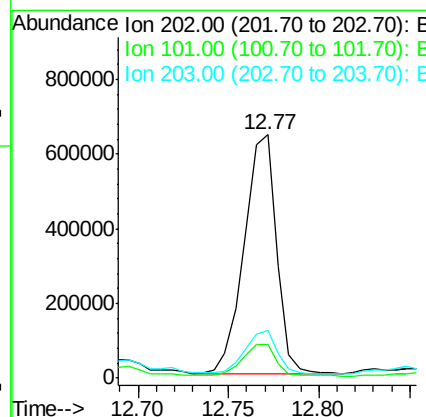
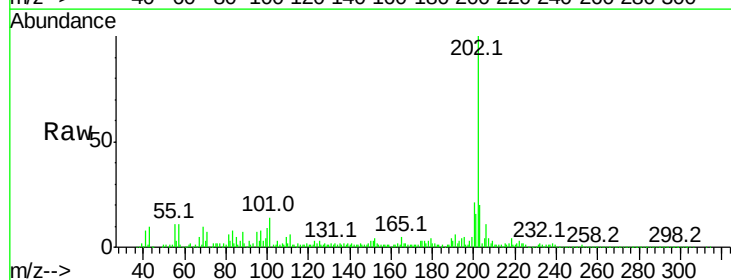
RT: 12.77 min Scan# 1842

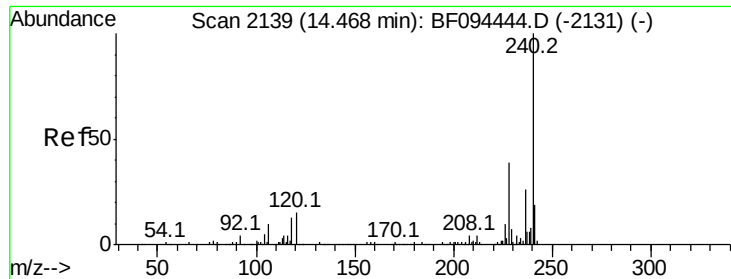
Delta R.T. 0.06 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Tgt Ion:	202	Resp:	801360
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	19.6	0.0	38.1





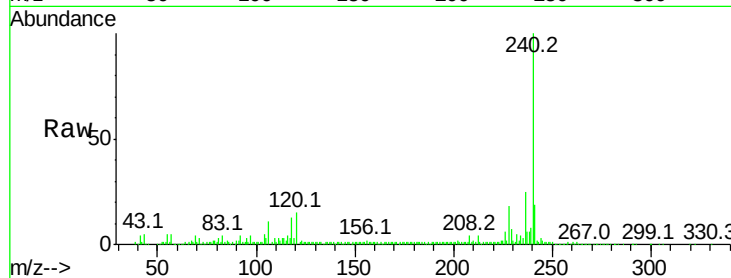
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.48 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Instrument :
 BNA_F
 ClientSampleId :
 UT-W

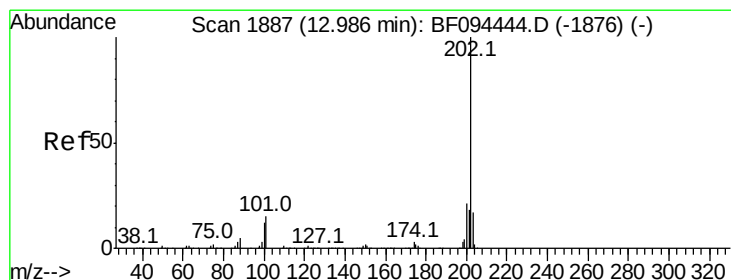
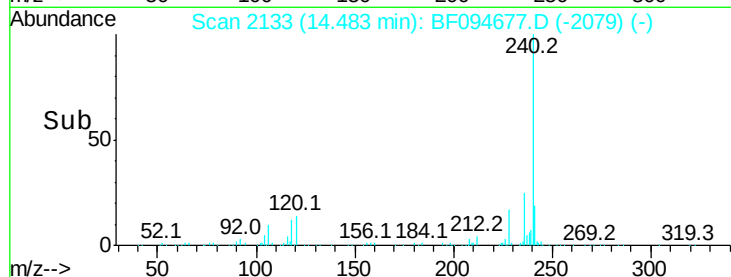
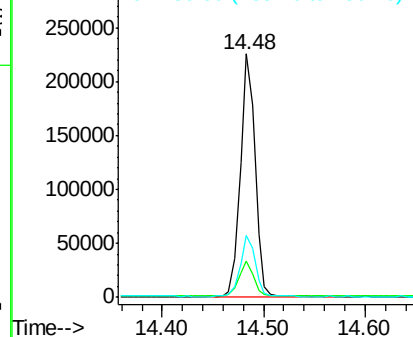
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.4	20.5	30.7

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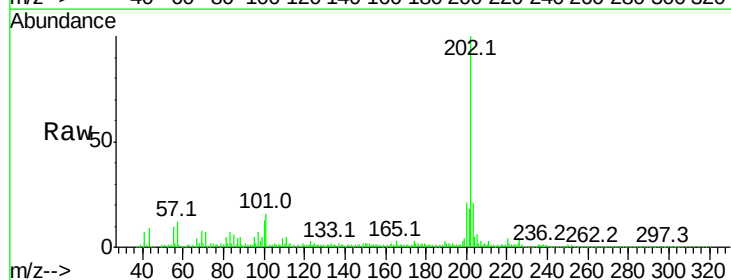


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

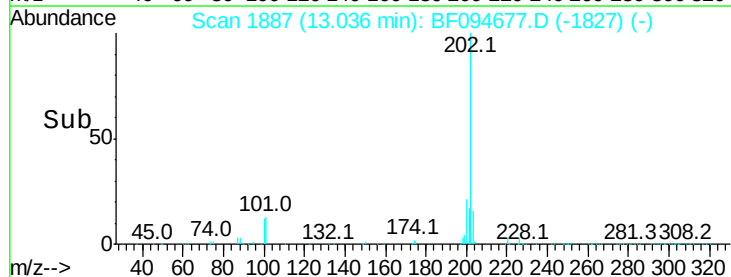
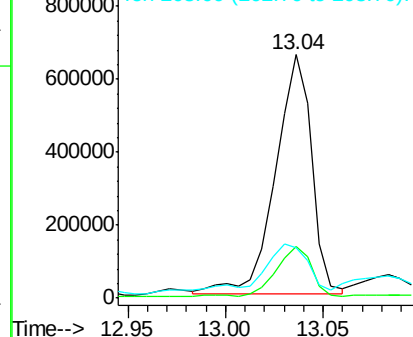


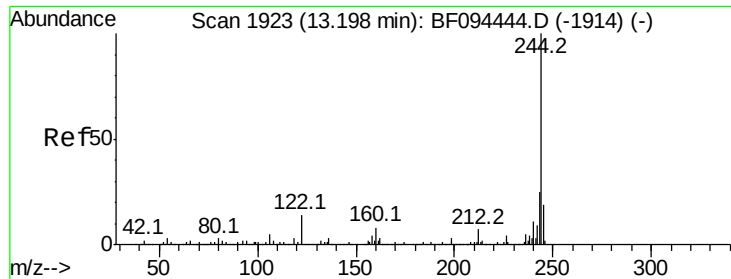
#77
 Pyrene
 Concen: 52.82 ng
 RT: 13.04 min Scan# 1887
 Delta R.T. 0.05 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.8	14.4	21.6



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: 93.87 ng

RT: 13.23 min Scan# 1920

Delta R.T. 0.03 min

Lab File: BF094677.D

Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

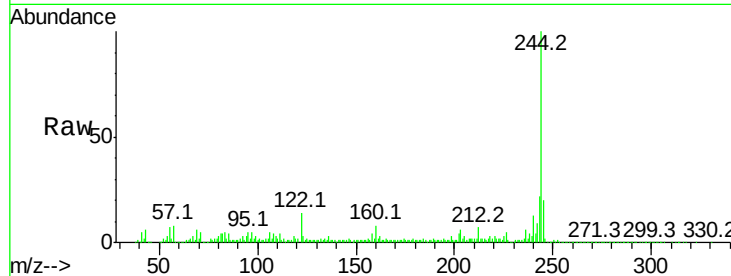
ClientSampleId :

UT-W

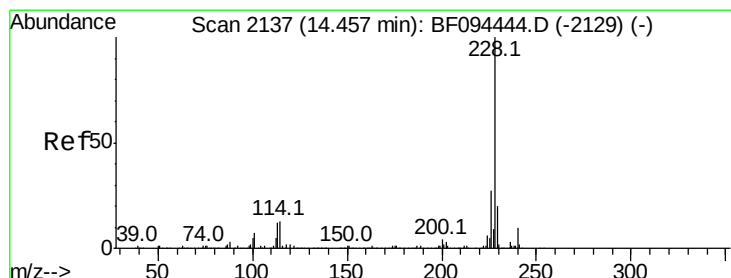
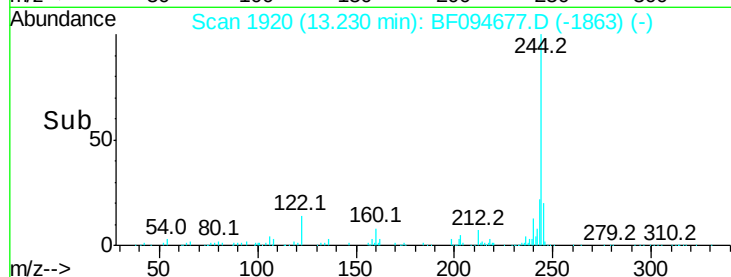
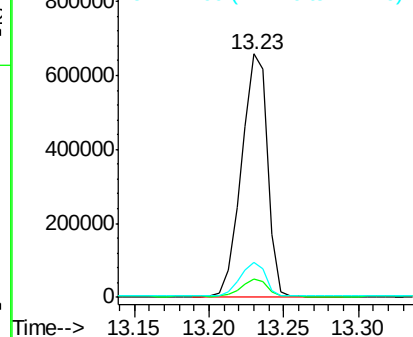
Tot Ion:	244	Resp:	797545
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	14.3	10.3	15.5

Manual Integrations
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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: 9.56 ng

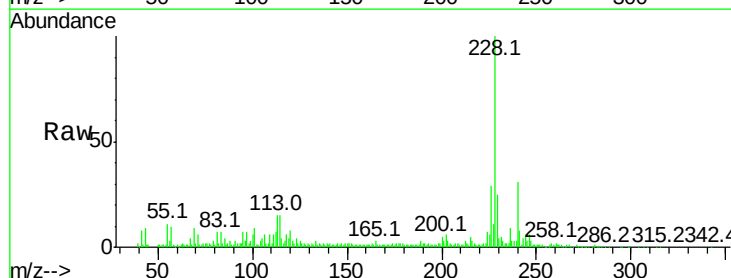
RT: 14.47 min Scan# 2131

Delta R.T. 0.01 min

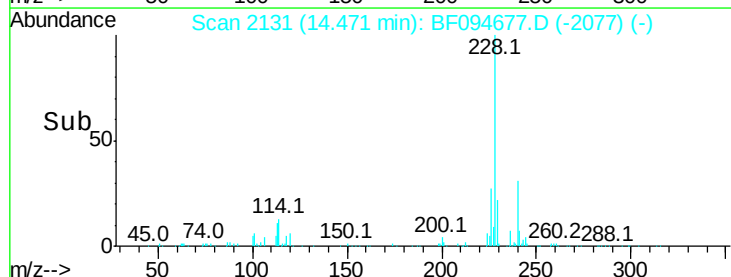
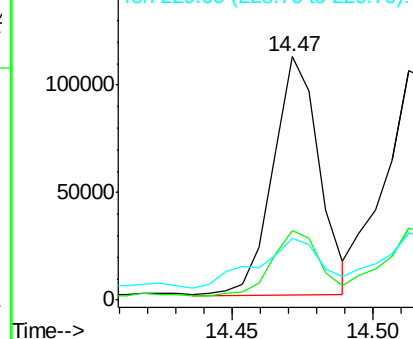
Lab File: BF094677.D

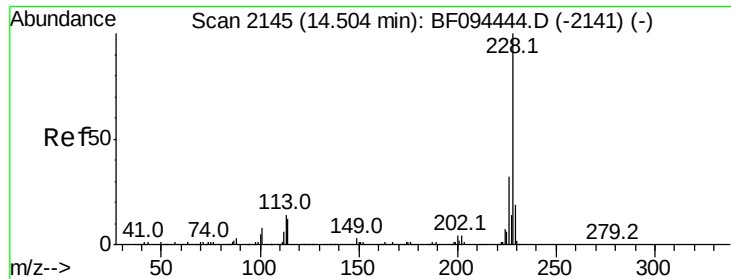
Acq: 27 Apr 2017 21:30

Tgt Ion:	228	Resp:	126154
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	25.3	16.3	24.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





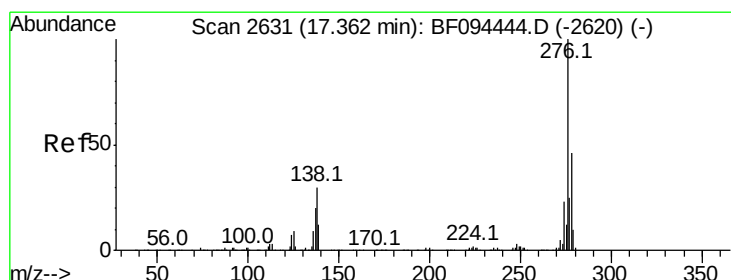
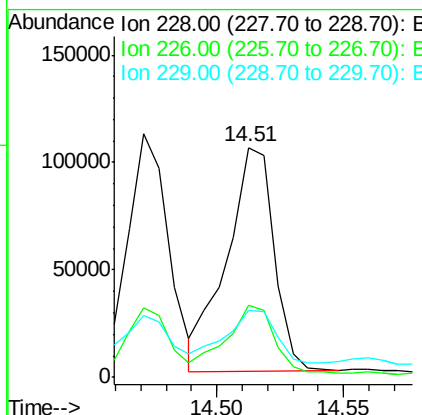
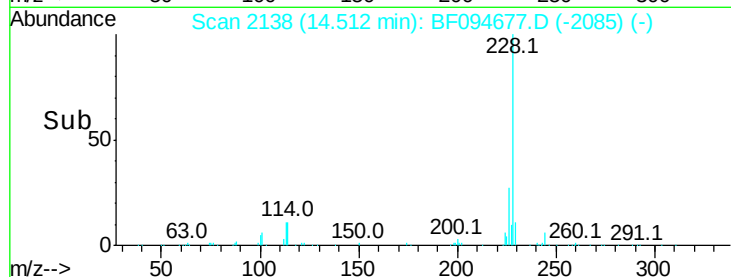
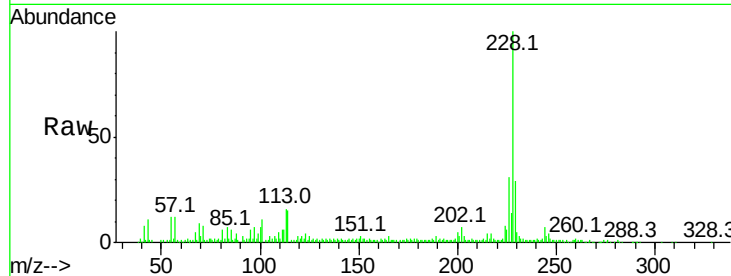
#82
Chrysene
Concen: 11.17 ng
RT: 14.51 min Scan# 2138
Delta R.T. 0.01 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Instrument :
BNA_F
ClientSampled :
UT-W

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	28.9	15.8	23.6

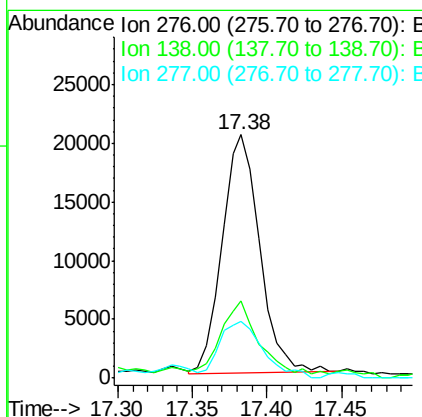
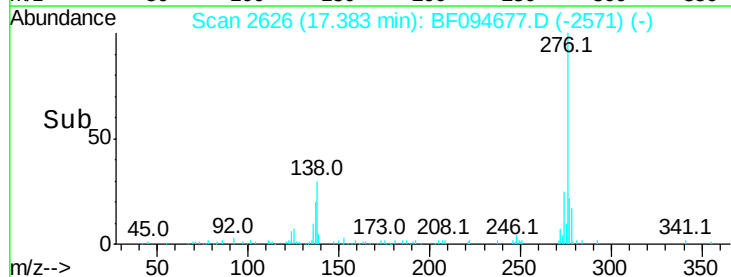
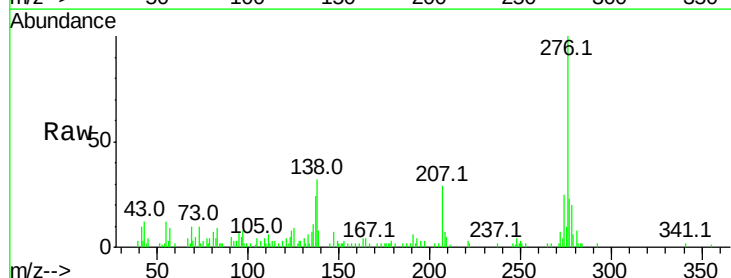
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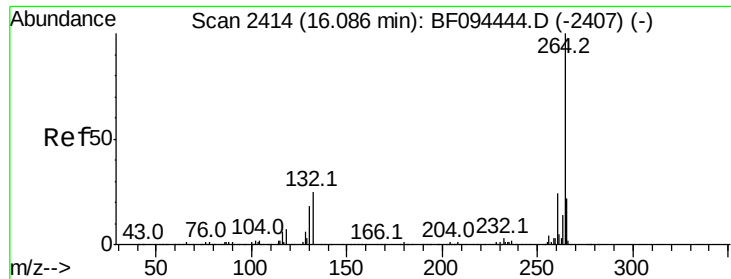
mohammad
4/28/2017 3:00:55 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.10 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	27.8	41.6
277	28.0	20.2	30.4





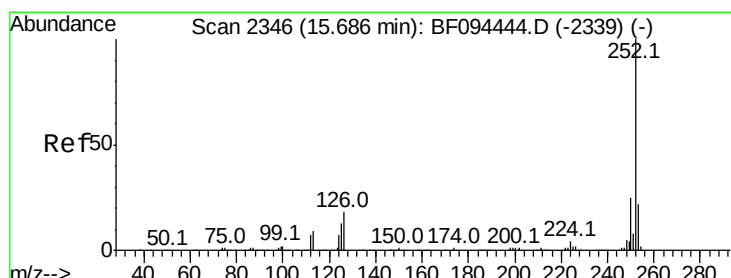
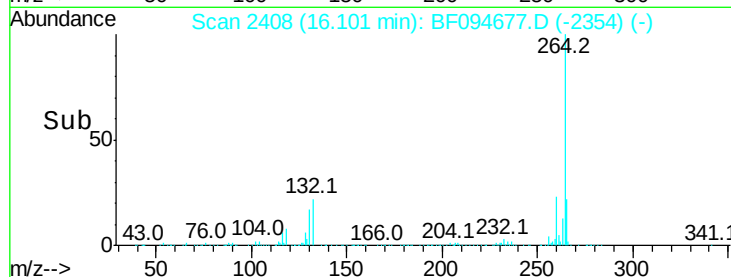
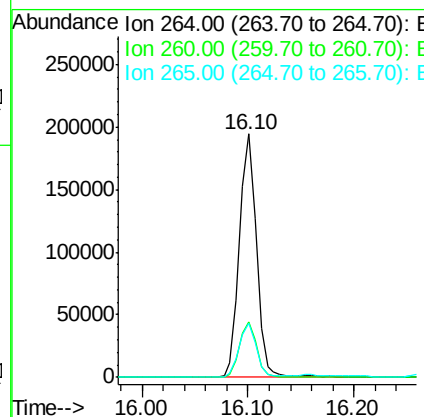
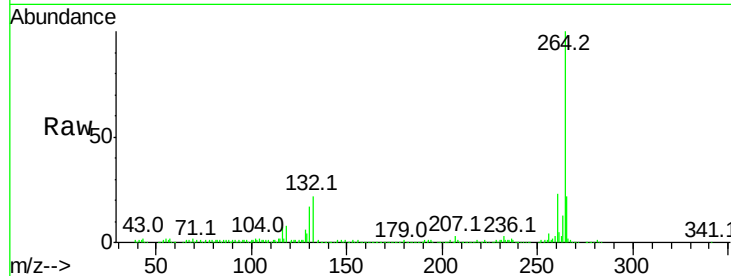
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Instrument :
BNA_F
ClientSampled :
UT-W

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	22.4	17.2	25.8

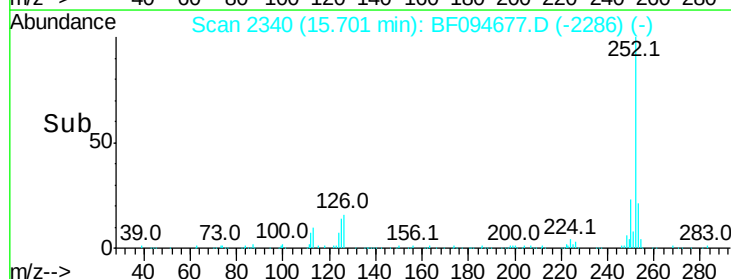
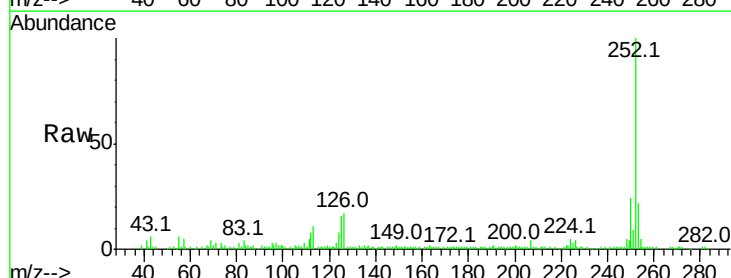
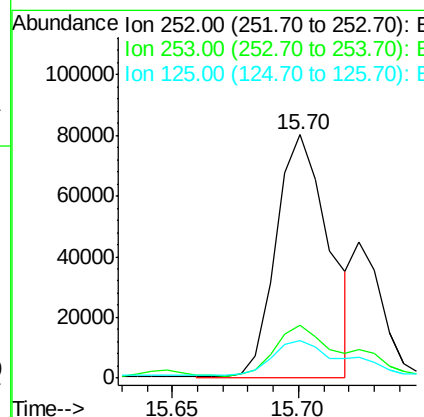
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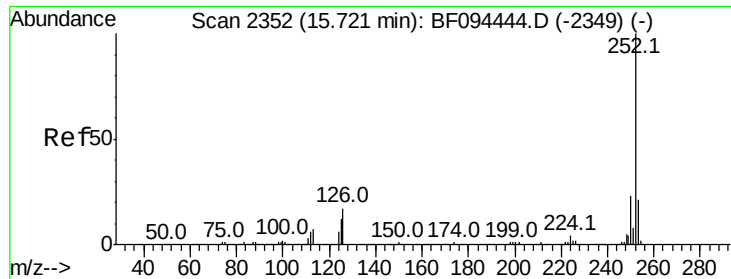
mohammad
4/28/2017 3:00:55 PM



#87
Benzo(b)fluoranthene
Concen: 8.72 ng m
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094677.D
Acq: 27 Apr 2017 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	15.5	9.8	14.8





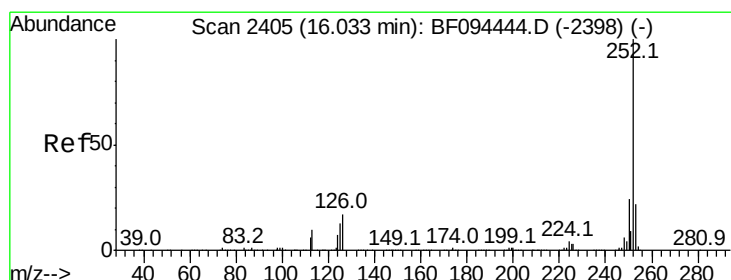
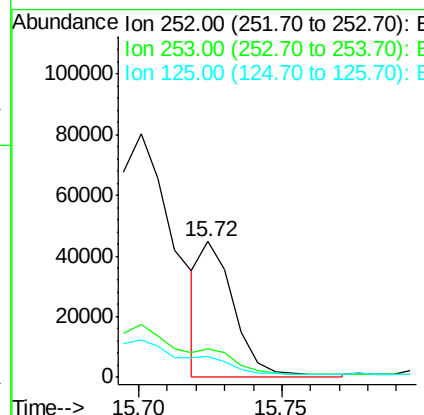
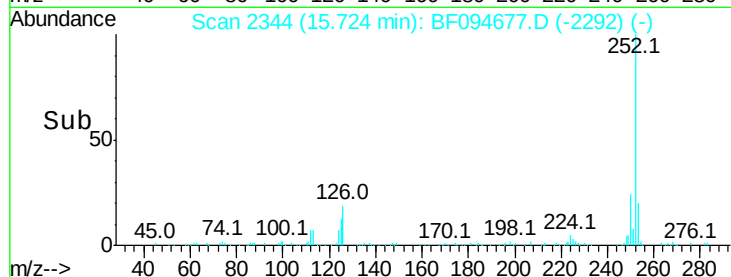
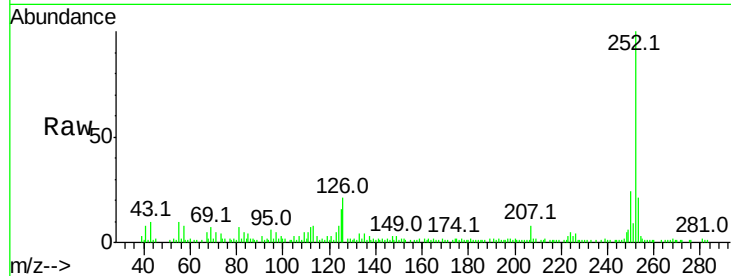
#88
 Benzo(k)fluoranthene
 Concen: 2.97 ng/mL
 RT: 15.72 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Instrument :
 BNA_F
 ClientSampled :
 UT-W

Tot Ion:	252	Resp:	37411
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.4	27.6
125	15.6	13.1	19.7

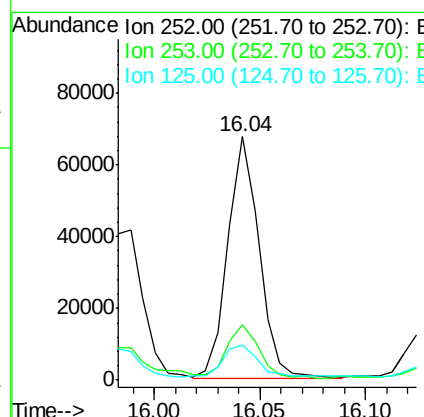
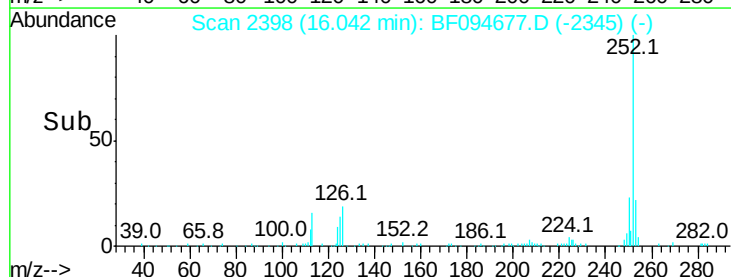
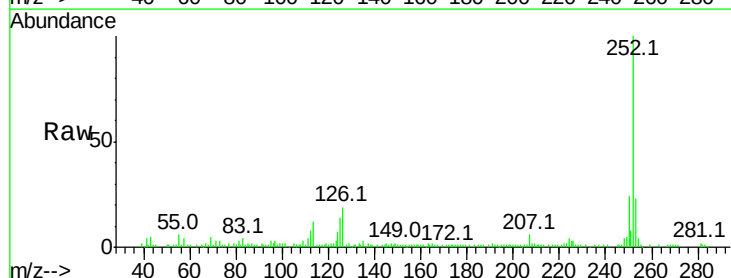
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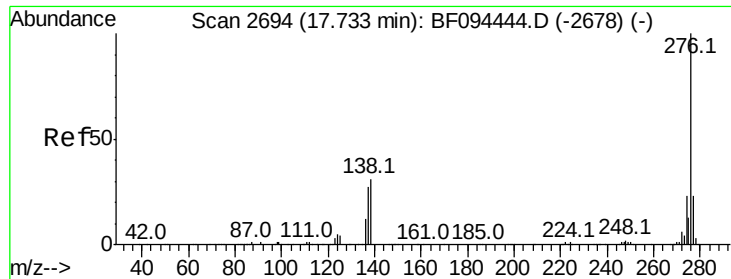
mohammad
 4/28/2017 3:00:55 PM



#89
 Benzo(a)pyrene
 Concen: 5.59 ng/mL
 RT: 16.04 min Scan# 2398
 Delta R.T. 0.01 min
 Lab File: BF094677.D
 Acq: 27 Apr 2017 21:30

Tgt Ion:	252	Resp:	69182
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	14.2	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.23 ng

RT: 17.75 min Scan# 2689

Delta R.T. 0.02 min

Lab File: BF094677.D

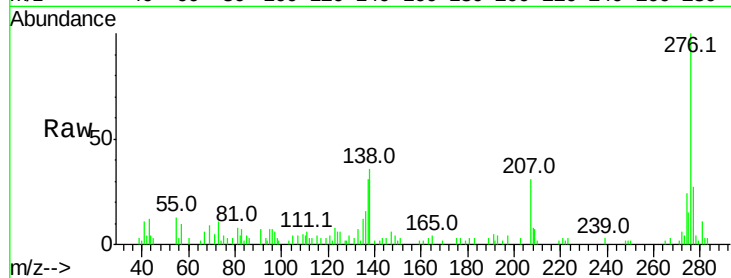
Acq: 27 Apr 2017 21:30

Instrument :

BNA_F

ClientSampleId :

UT-W



Tot Ion:	276	Resp:	33816
Ion Ratio	Lower	Upper	
276	100		
277	26.9	18.6	28.0
138	36.4	25.4	38.0

Manual Integrations
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mohammad
4/28/2017 3:00:55 PM

