

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094570.D
 Acq On : 21 Apr 2017 18:46
 Operator : SJ/MA
 Sample : I2786-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BL-1(3)

Manual Integrations
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 4/24/2017 5:13:20 PM

Quant Time: Apr 22 01:13:21 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	5.76	152	116542	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	457049	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204102	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	342460	20.00	ng	0.00
75) Chrysene-d12	14.46	240	265885	20.00	ng	0.00
86) Perylene-d12	16.08	264	250291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	767053	109.20	ng	0.00
7) Phenol-d6	5.40	99	981336	118.50	ng	0.00
23) Nitrobenzene-d5	6.41	82	591122	79.86	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	179216	112.26	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1152360	83.07	ng	0.00
78) Terphenyl-d14	13.19	244	816698	82.10	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.41	94	54480	5.36	ng	89
31) Naphthalene	7.28	128	68159	3.10	ng	99
37) 2-Methylnaphthalene	8.12	142	102695	6.83	ng	96
49) Dimethylphthalate	9.08	163	202821	13.33	ng	99
51) Acenaphthene	9.42	154	128660	10.39	ng	99
57) Fluorene	10.06	166	152007	10.85	ng	99
70) Phenanthrene	11.25	178	1372731	71.18	ng	99
71) Anthracene	11.30	178	379427	19.02	ng	98
74) Fluoranthene	12.70	202	635920	31.82	ng	98
77) Pyrene	12.98	202	857291	46.15	ng	98
80) Benzo(a)anthracene	14.44	228	354365	22.93	ng	97
82) Chrysene	14.49	228	355739	25.19	ng	97
85) Indeno(1,2,3-cd)pyrene	17.35	276	70493	5.25	ng	94
87) Benzo(b)fluoranthene	15.68	252	212133m	13.85	ng	
88) Benzo(k)fluoranthene	15.70	252	77296m	5.33	ng	
89) Benzo(a)pyrene	16.02	252	201998	14.18	ng	98
91) Benzo(a,h,i)perylene	17.72	276	75848	6.30	ng	98

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

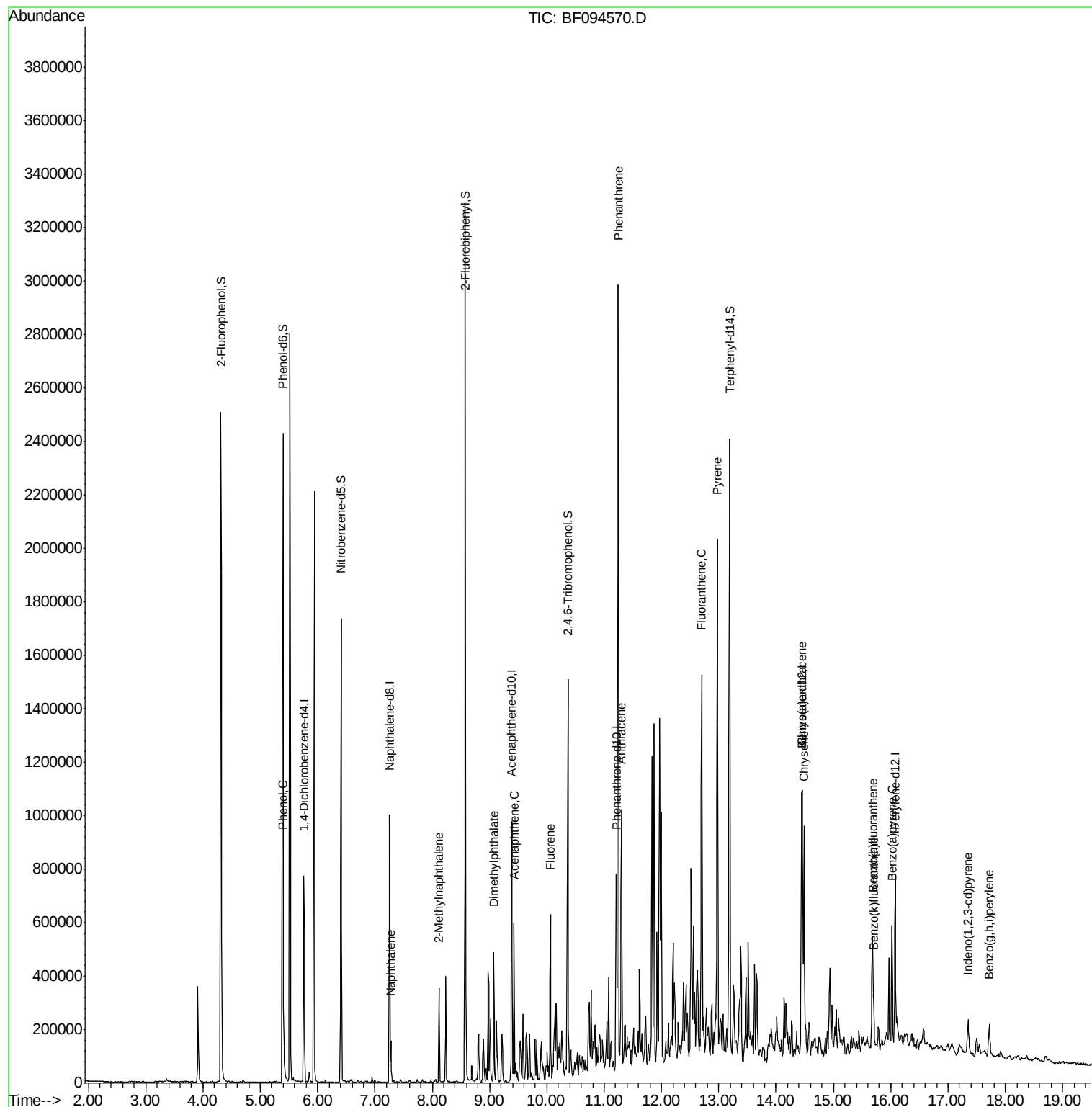
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
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ALS Vial : 13 Sample Multiplier: 1

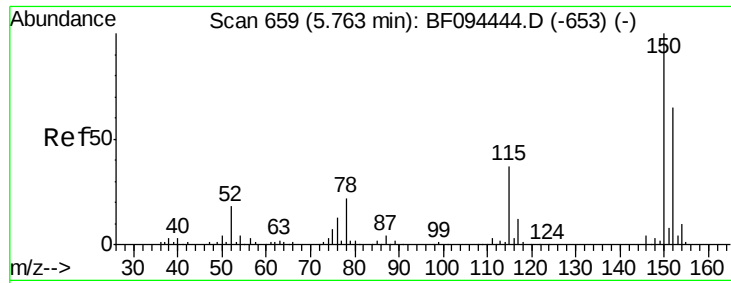
Instrument :
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BL-1(3)

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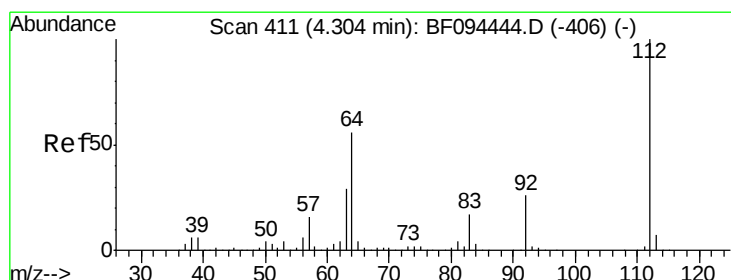
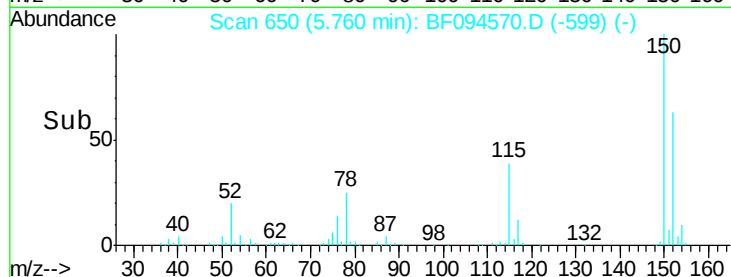
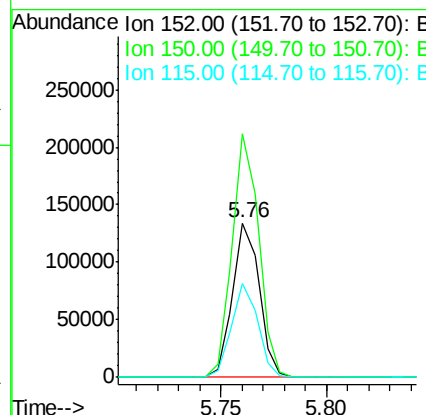
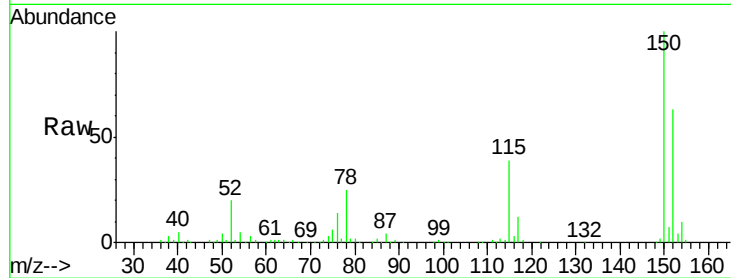
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Instrument :
 BNA_F
 ClientSampled :
 BL-1(3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	61.1	52.2	78.2

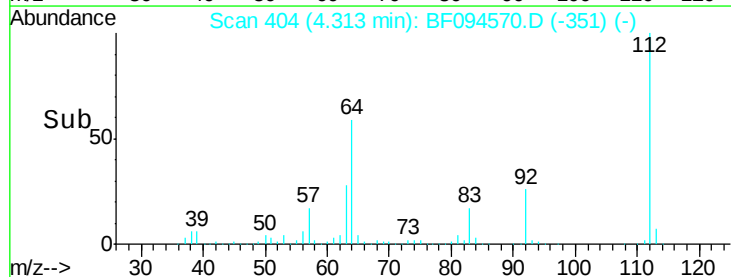
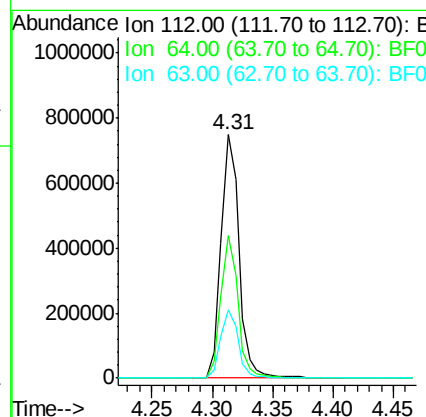
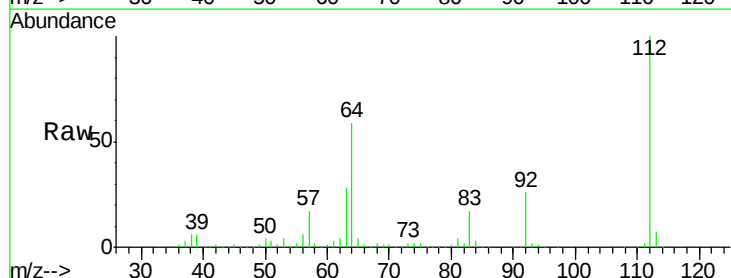
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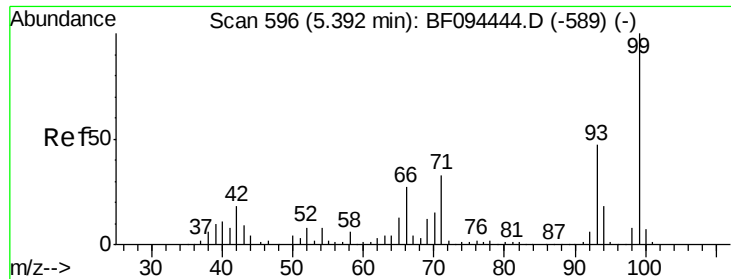
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#5
 2-Fluorophenol
 Concen: 109.20 ng
 RT: 4.31 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	28.2	23.4	35.0





#7

Phenol-d6

Concen: 118.50 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Instrument :

BNA_F

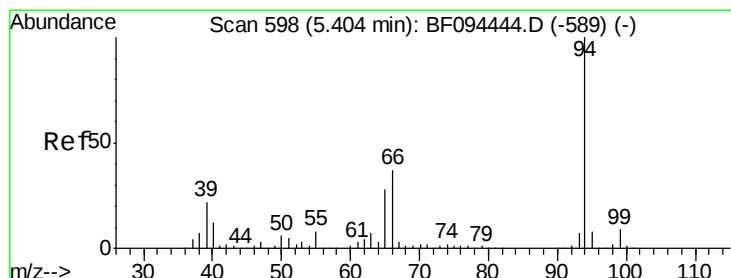
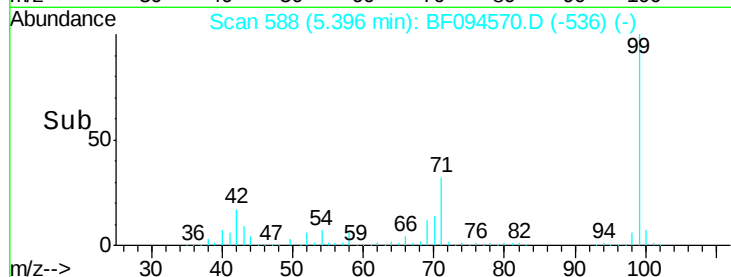
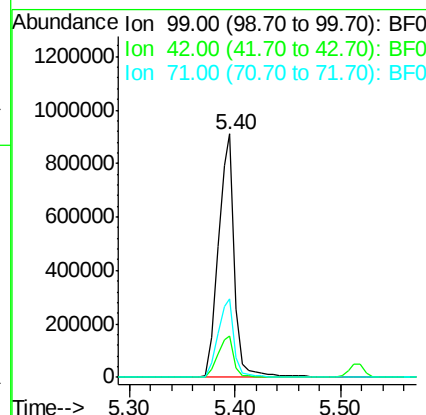
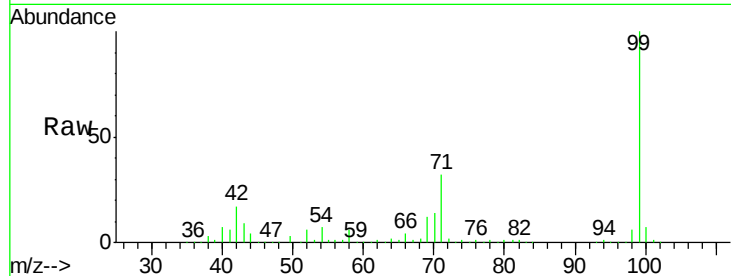
ClientSampleId :

BL-1(3)

Tot Ion:	99	Resp:	981336
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	32.2	24.5	36.7

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#10

Phenol

Concen: 5.36 ng

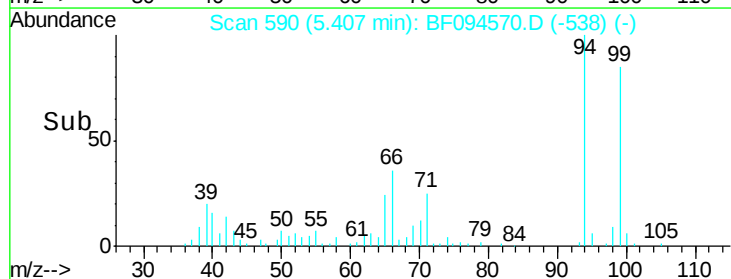
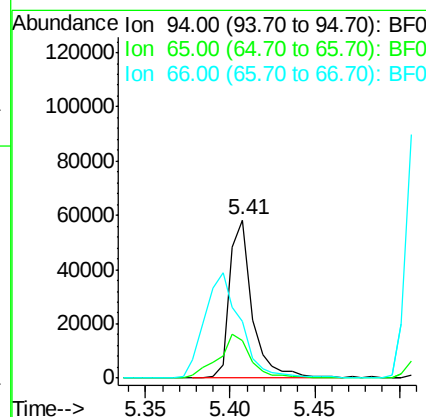
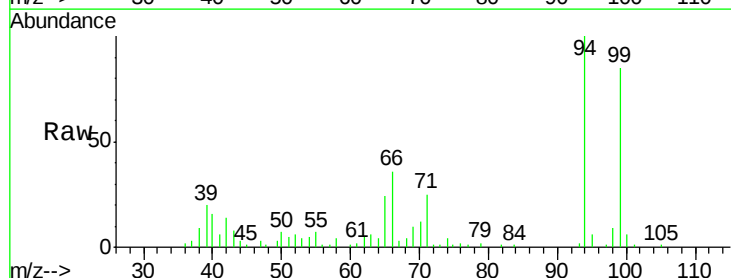
RT: 5.41 min Scan# 590

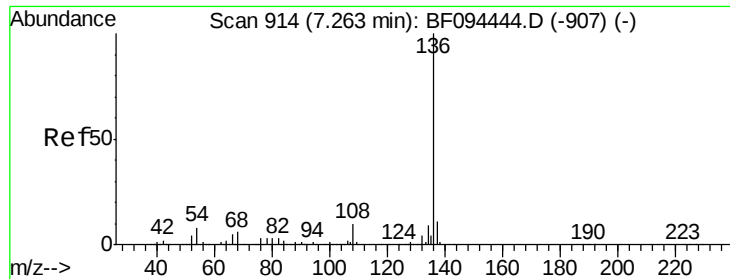
Delta R.T. 0.00 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Tgt Ion:	94	Resp:	54480
Ion	Ratio	Lower	Upper
94	100		
65	23.6	9.9	49.9
66	36.2	23.1	63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Instrument :

BNA_F

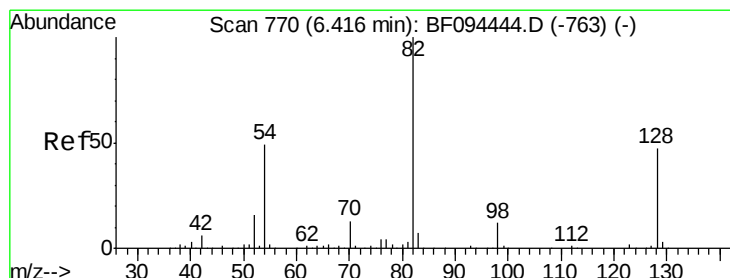
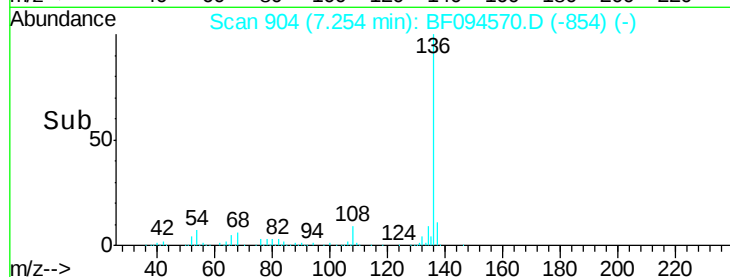
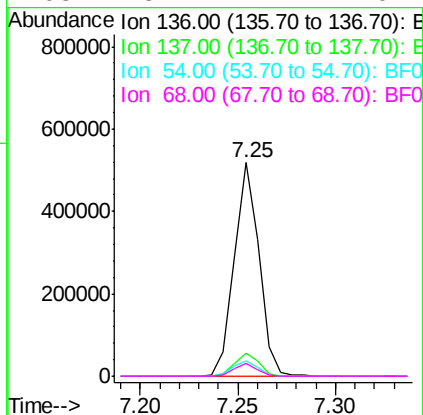
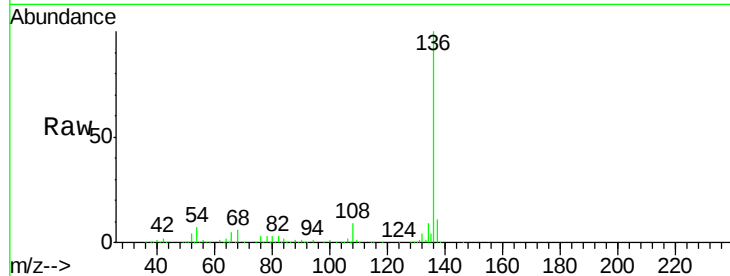
ClientSampleId :

BL-1(3)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	457049		
137	10.9		8.5	12.7
54	7.3		4.9	7.3
68	5.7		4.1	6.1

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#23

Nitrobenzene-d5

Concen: 79.86 ng

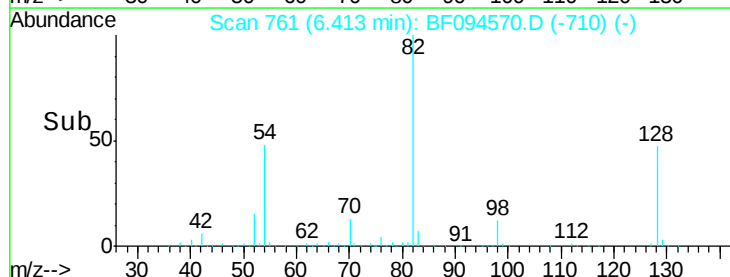
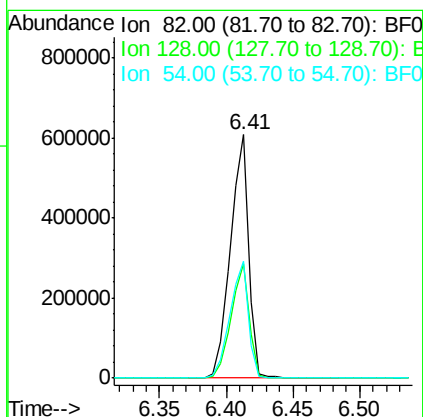
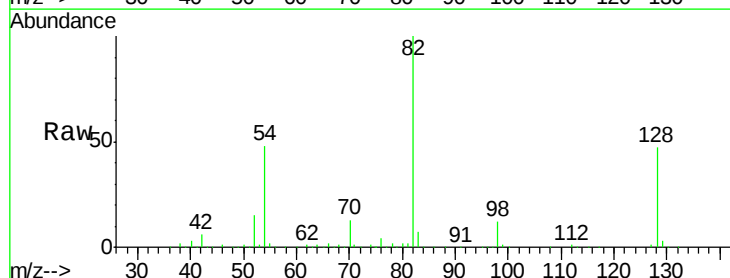
RT: 6.41 min Scan# 761

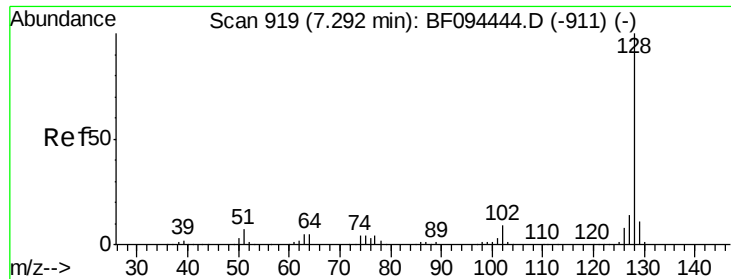
Delta R.T. -0.00 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	591122		
128	46.7		34.0	51.0
54	48.0		42.2	63.2





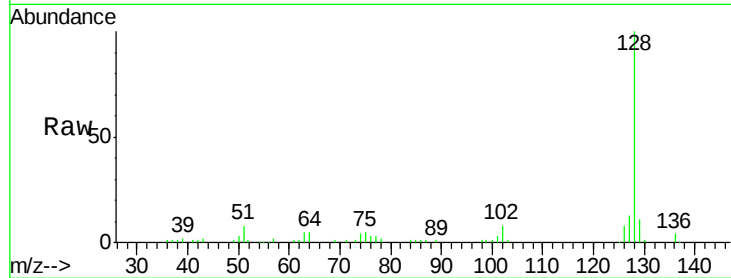
#31
Naphthalene
Concen: 3.10 ng
RT: 7.28 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampled :
BL-1(3)

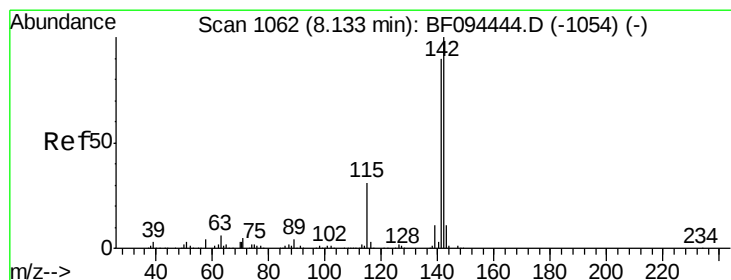
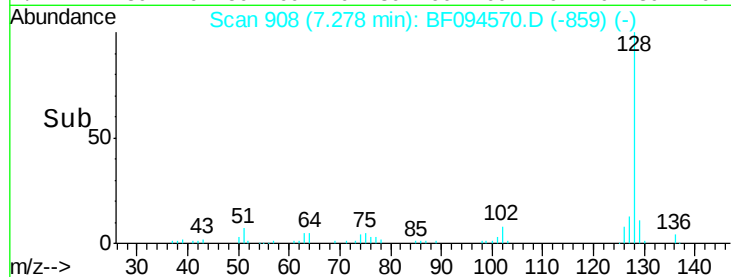
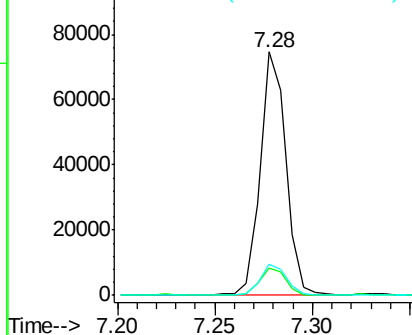
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.8	10.8	16.2

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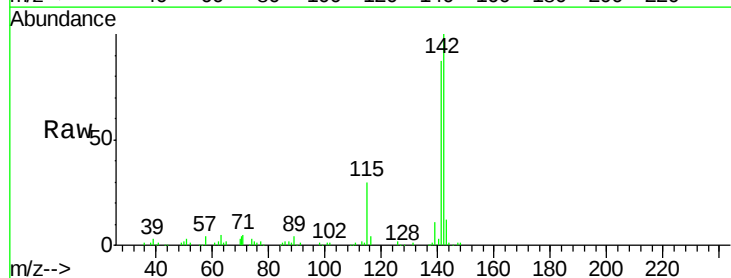


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

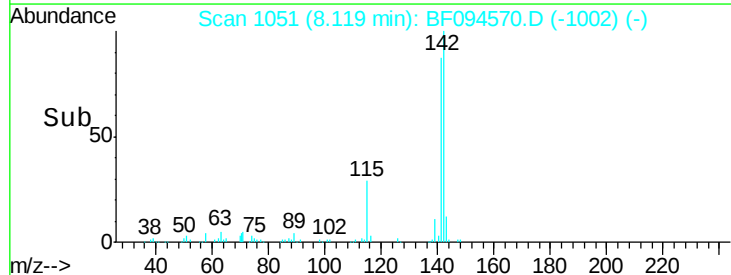
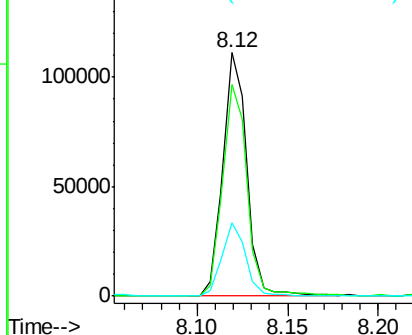


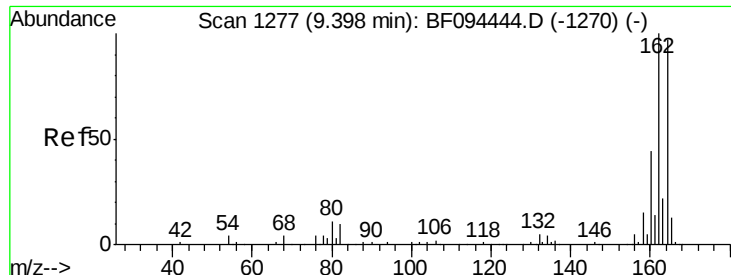
#37
2-Methylnaphthalene
Concen: 6.83 ng
RT: 8.12 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9
115	30.0	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





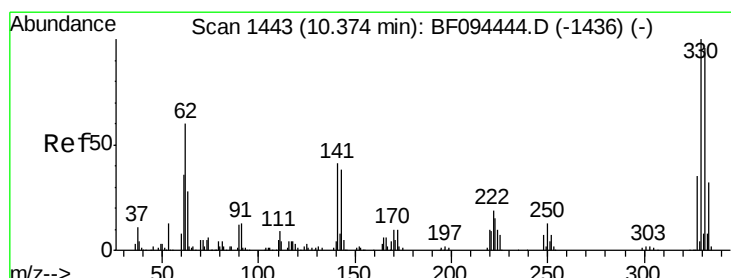
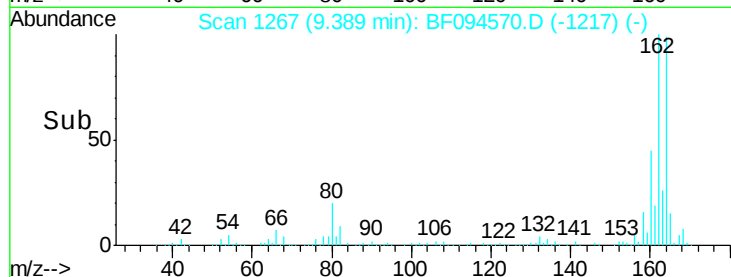
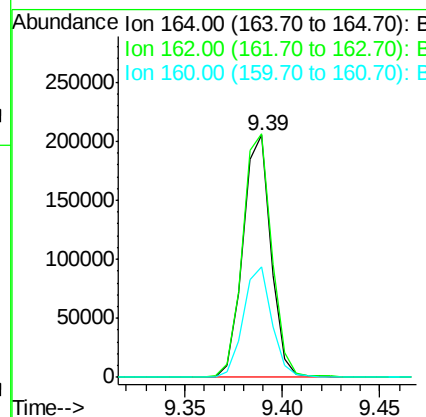
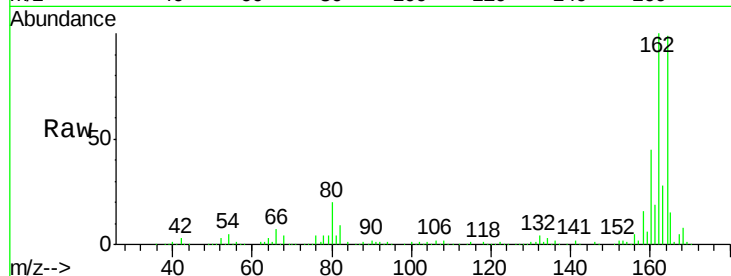
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampleId :
BL-1(3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	82.6	123.8	
160	45.7	36.2	54.2	

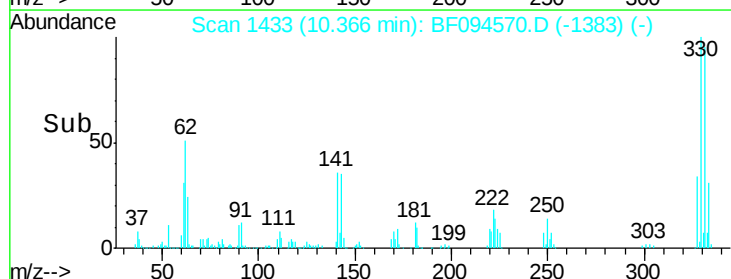
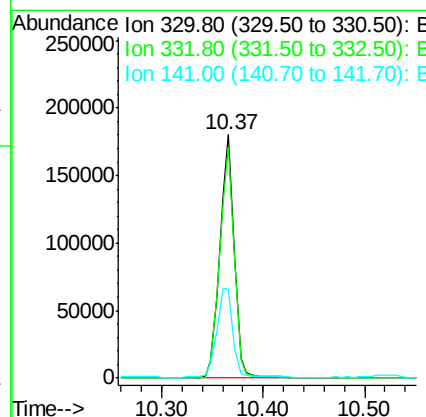
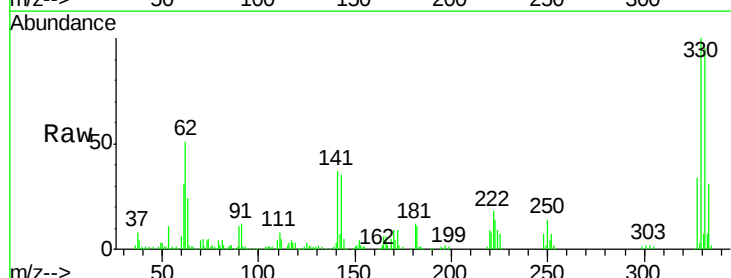
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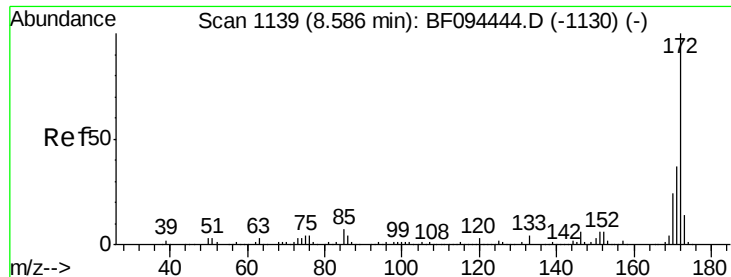
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#41
2,4,6-Tribromophenol
Concen: 112.26 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	76.6	115.0	
141	41.0	31.4	47.2	





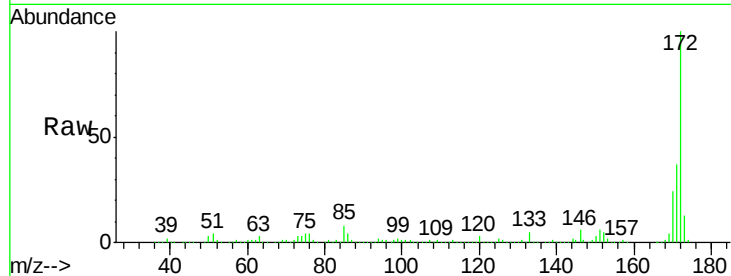
#44
2-Fluorobiphenyl
Concen: 83.07 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampleId :
BL-1(3)

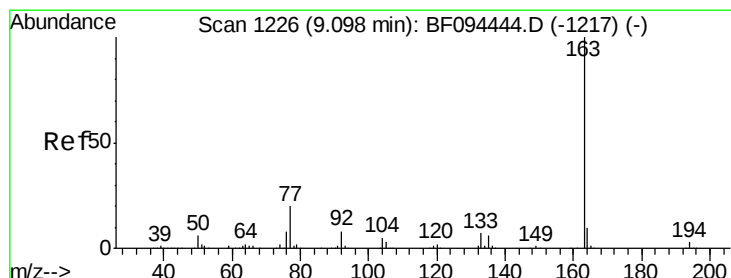
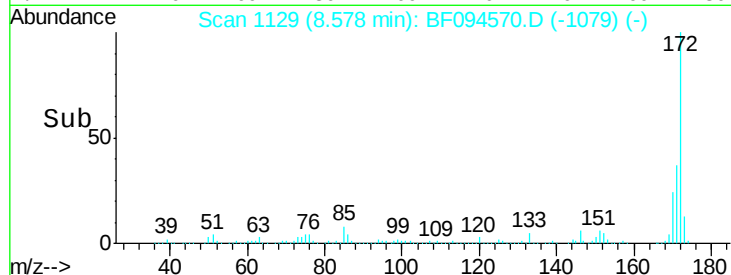
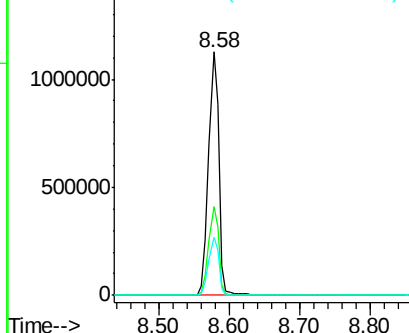
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.7	29.6	44.4	
170	24.1	19.8	29.8	

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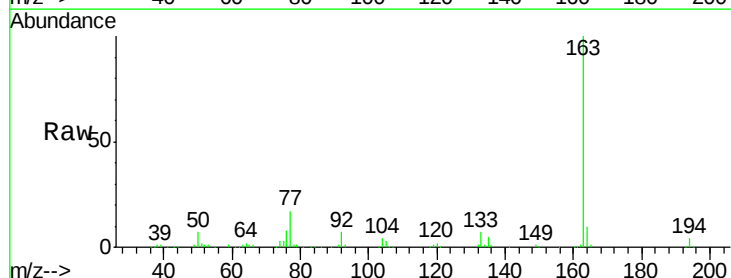


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

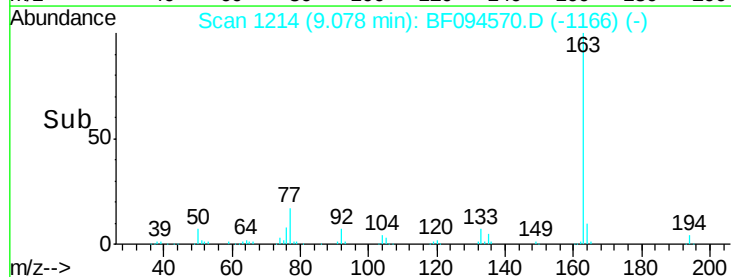
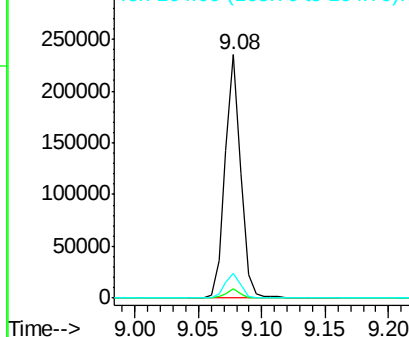


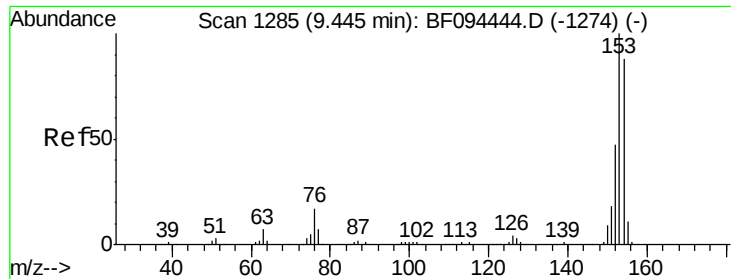
#49
Dimethylphthalate
Concen: 13.33 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.6	2.6	4.0	
164	10.1	8.4	12.6	



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 10.39 ng

RT: 9.42 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Instrument :

BNA_F

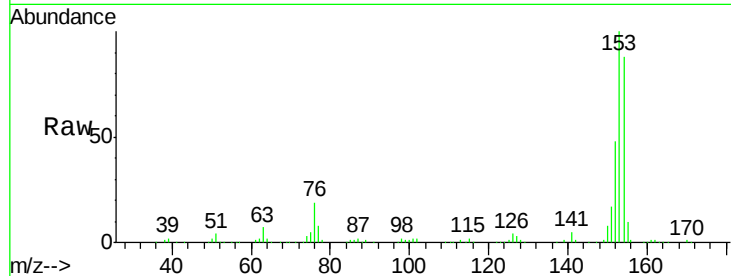
ClientSampleId :

BL-1(3)

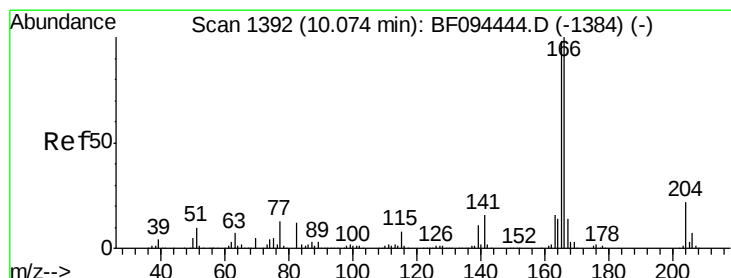
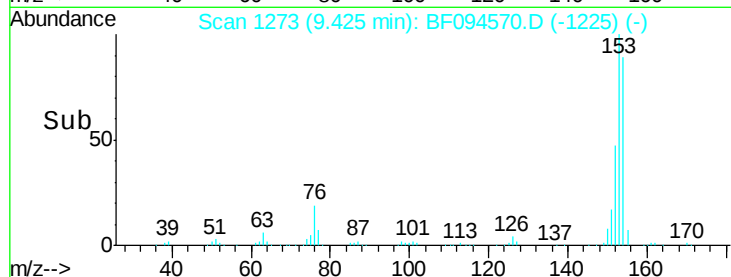
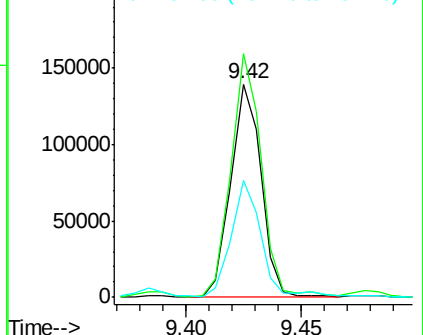
Tot Ion:	154	Resp:	128660
Ion Ratio	Lower	Upper	
154	100		
153	114.1	90.5	135.7
152	54.6	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 10.85 ng

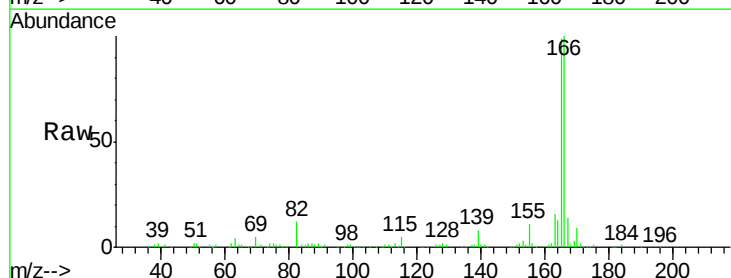
RT: 10.06 min Scan# 1381

Delta R.T. -0.01 min

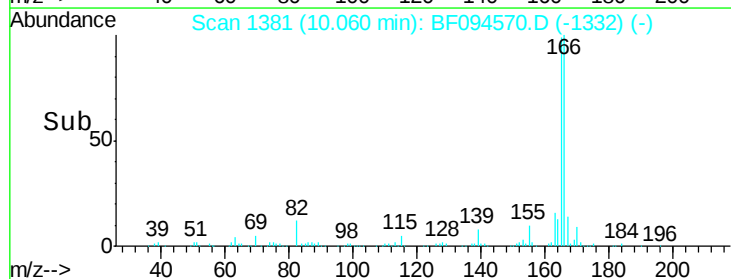
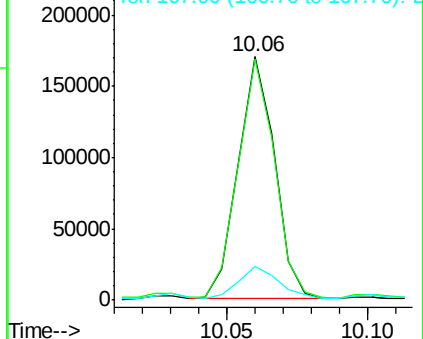
Lab File: BF094570.D

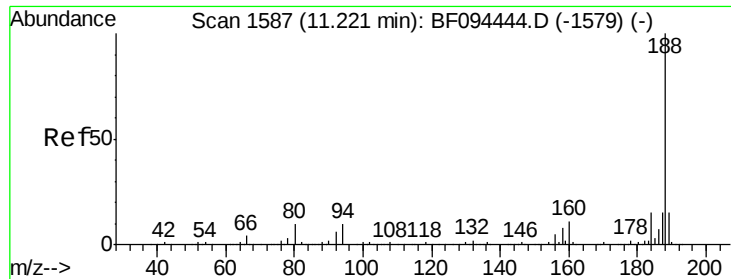
Acq: 21 Apr 2017 18:46

Tgt Ion:	166	Resp:	152007
Ion Ratio	Lower	Upper	
166	100		
165	99.3	78.8	118.2
167	13.8	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





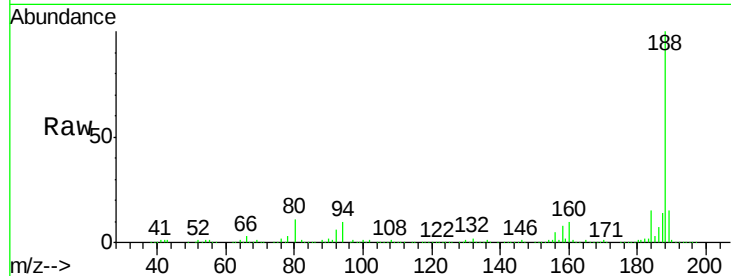
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampleId :
BL-1(3)

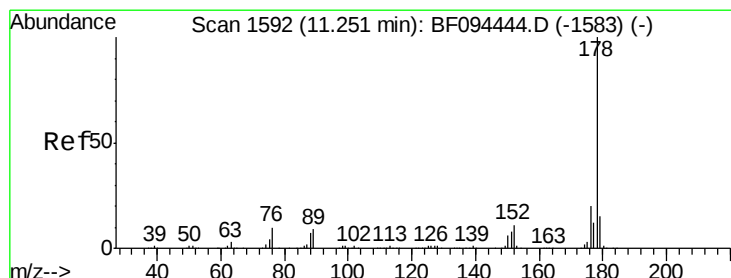
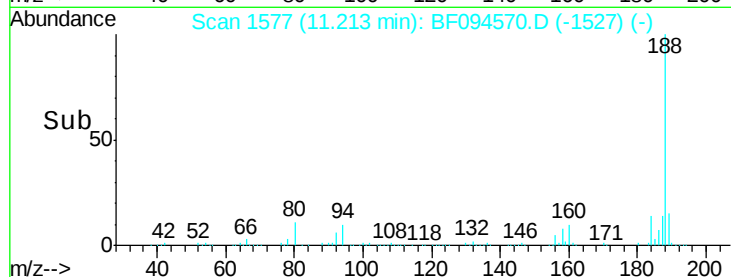
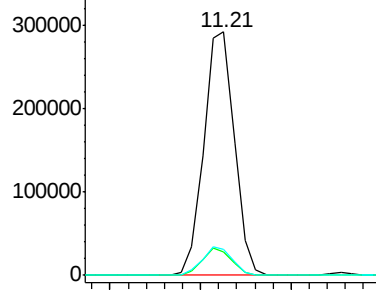
Tot Ion	Ratio	Resp	Lower	Upper
188	100	342460		
94	9.7		9.4	14.2
80	10.8		10.2	15.2

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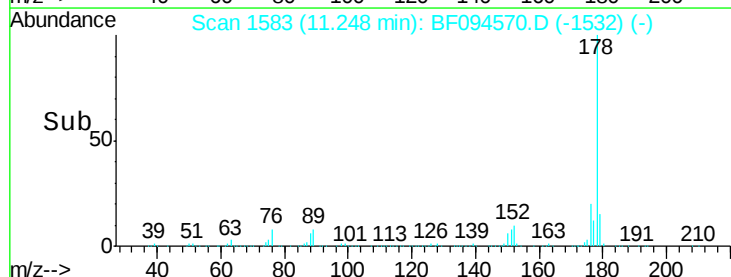
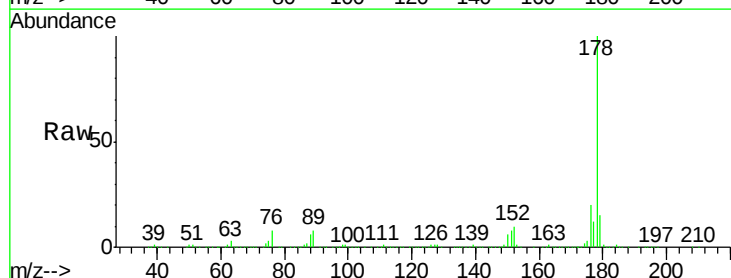
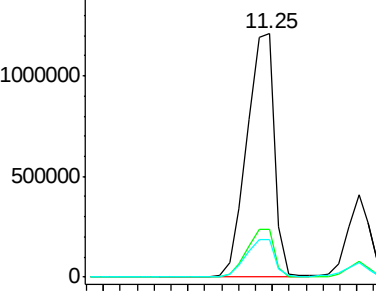
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

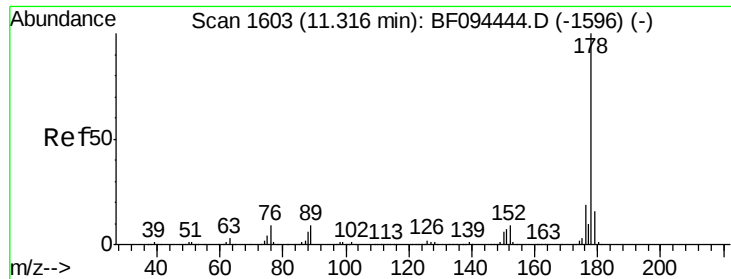


#70
Phenanthrene
Concen: 71.18 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1372731		
176	19.5		16.2	24.4
179	15.4		12.6	19.0

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





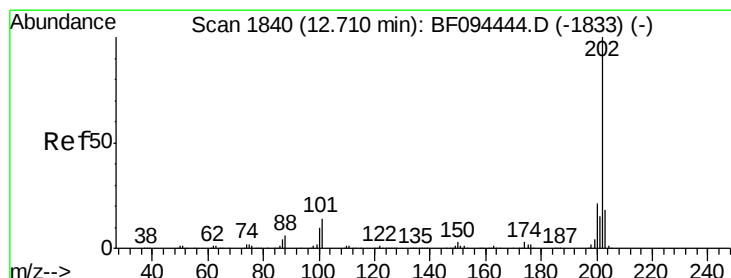
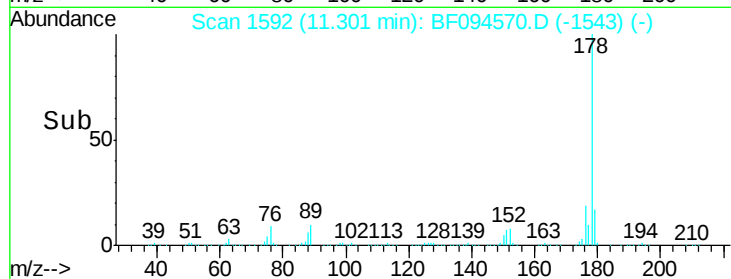
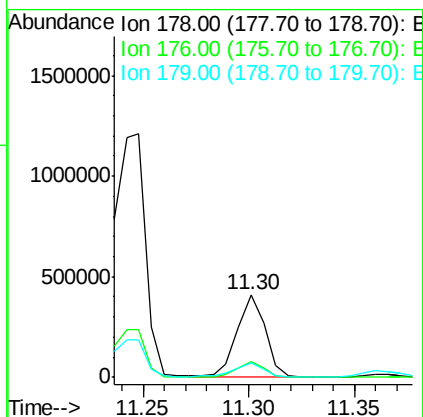
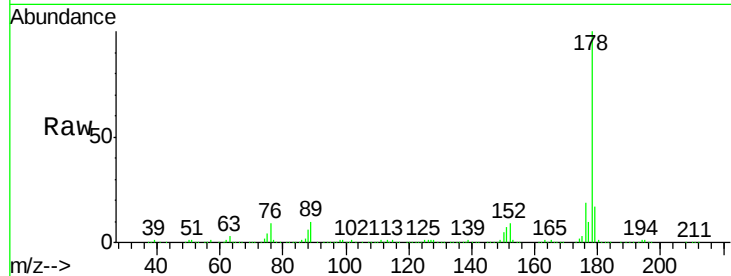
#71
 Anthracene
 Concen: 19.02 ng
 RT: 11.30 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 BL-1(3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	17.0	12.7	19.1

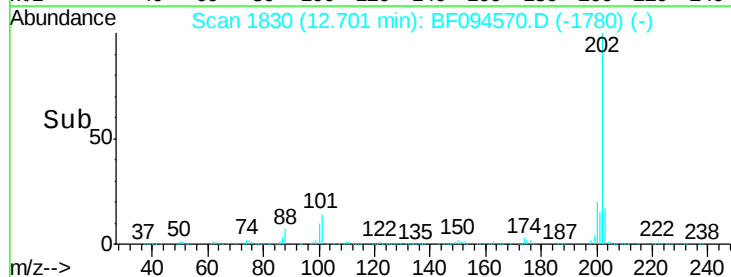
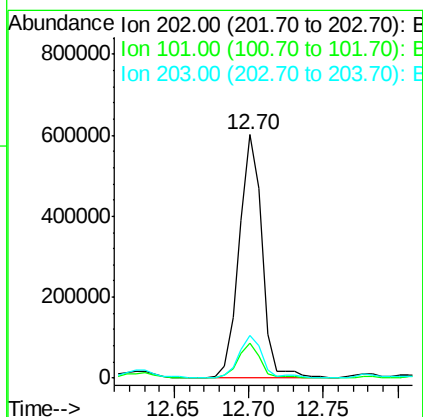
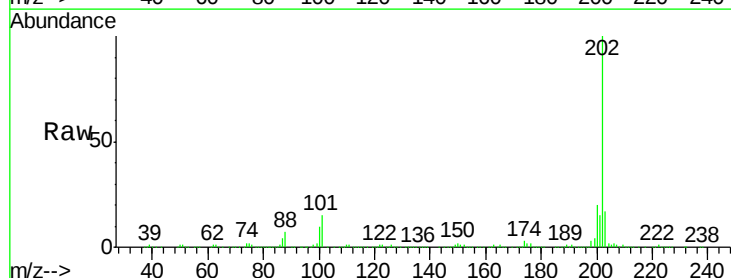
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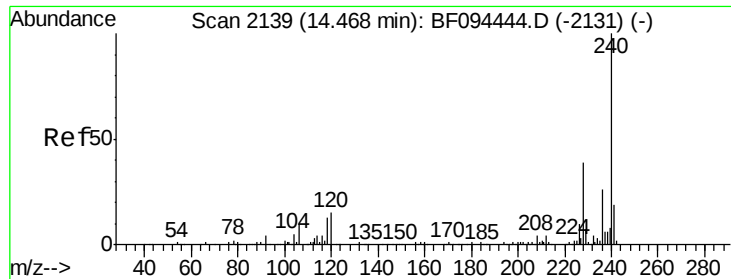
mohammad
 4/24/2017 5:13:20 PM



#74
 Fluoranthene
 Concen: 31.82 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Instrument :

BNA_F

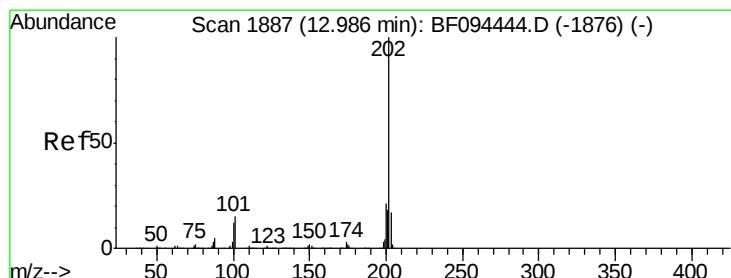
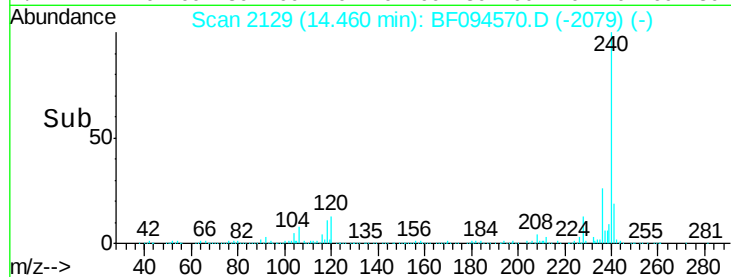
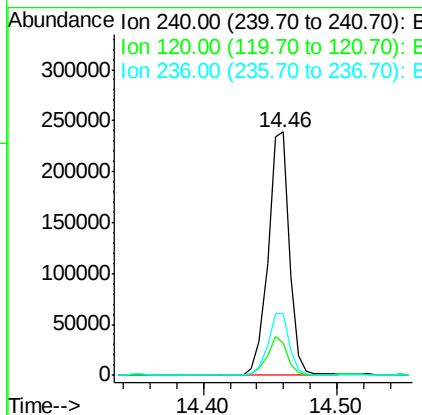
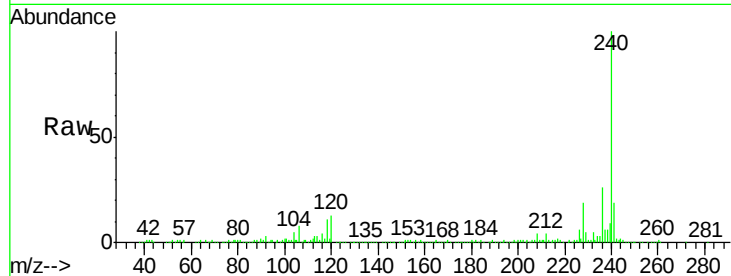
ClientSampleId :

BL-1(3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.3	5.8	8.8#		
236	25.6	20.5	30.7		

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#77

Pyrene

Concen: 46.15 ng

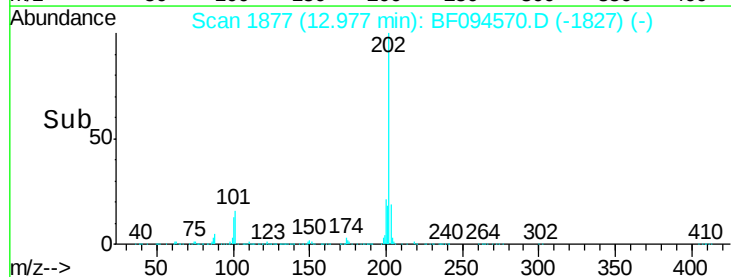
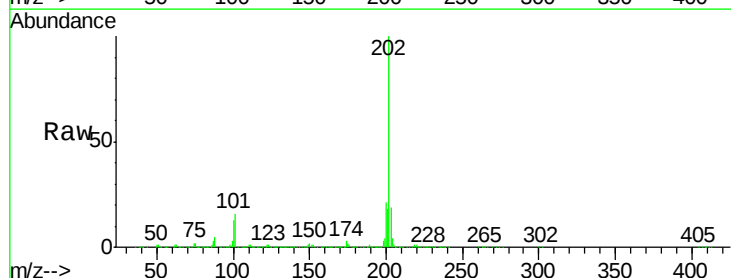
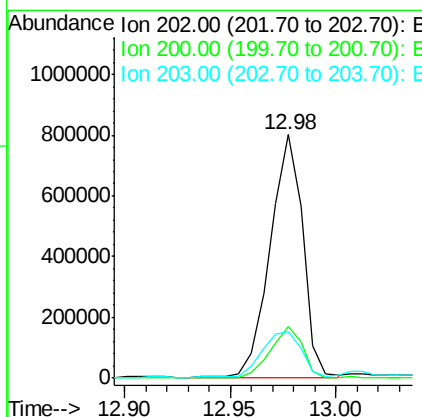
RT: 12.98 min Scan# 1877

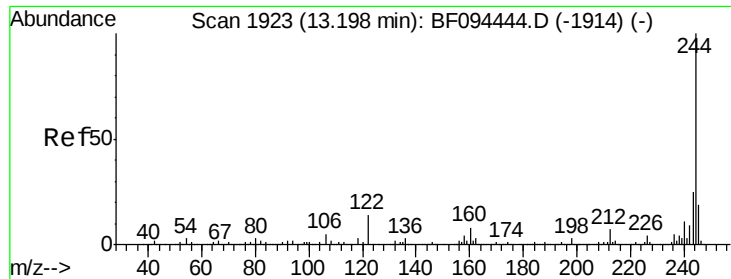
Delta R.T. -0.01 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.3	17.6	26.4		
203	19.2	14.4	21.6		





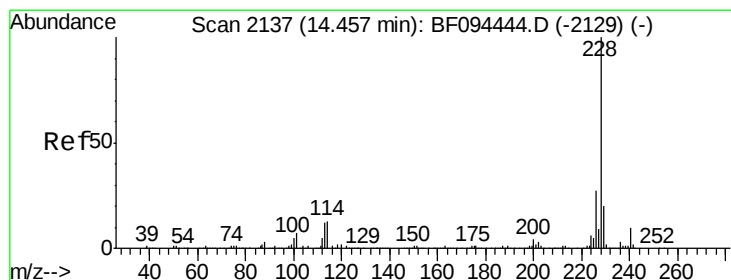
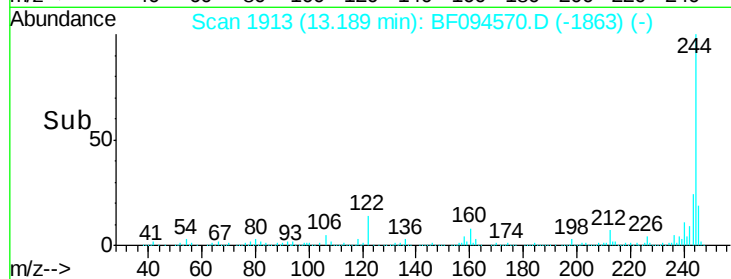
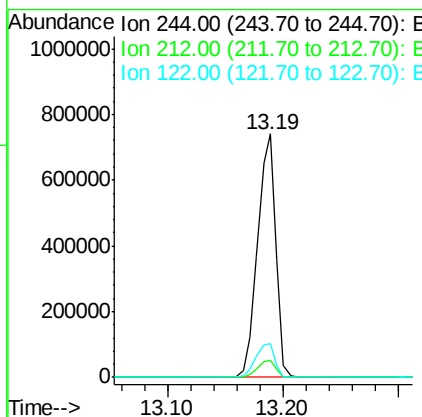
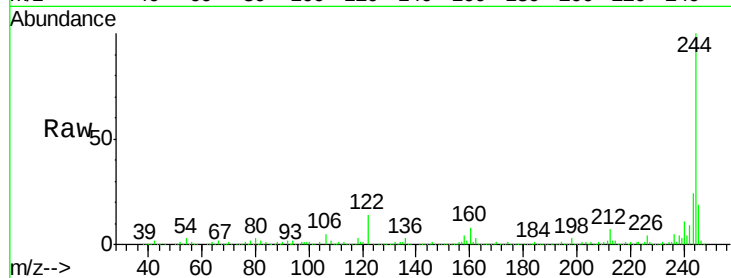
#78
 Terphenyl-d14
 Concen: 82.10 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Instrument :
 BNA_F
 ClientSampled :
 BL-1(3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.9	10.3	15.5

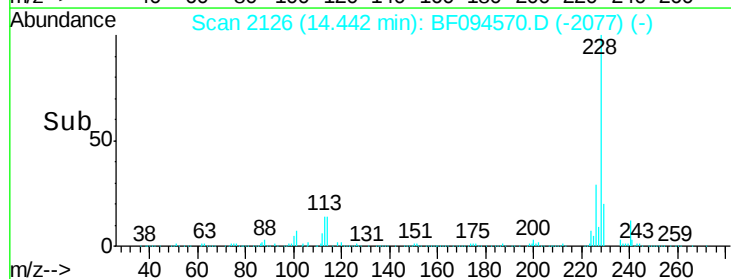
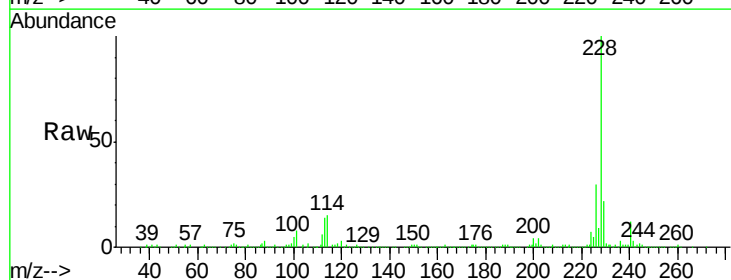
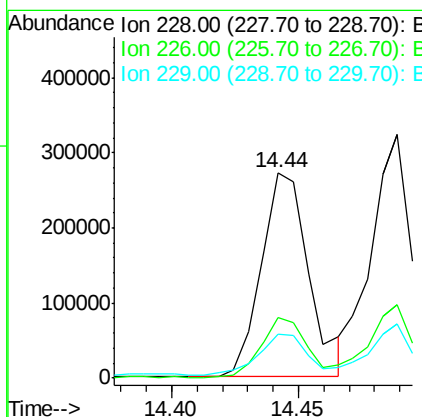
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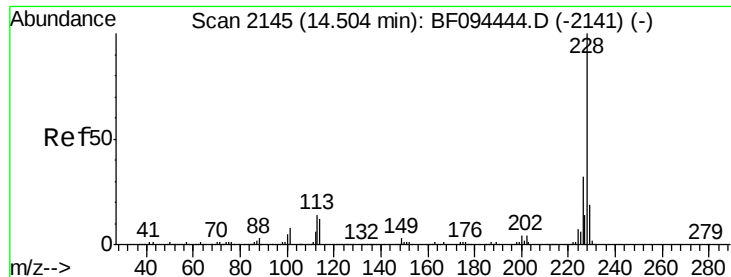
mohammad
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#80
 Benzo(a)anthracene
 Concen: 22.93 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.6	16.3	24.5





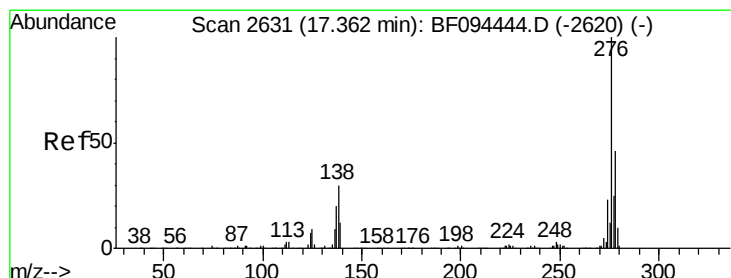
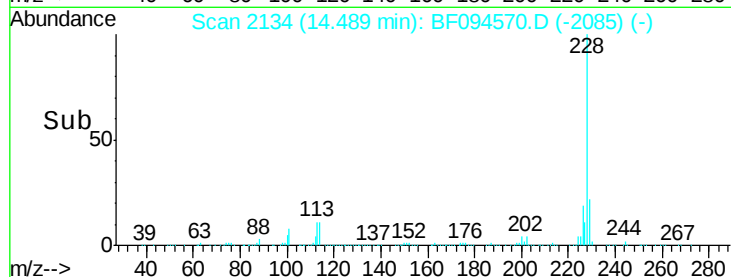
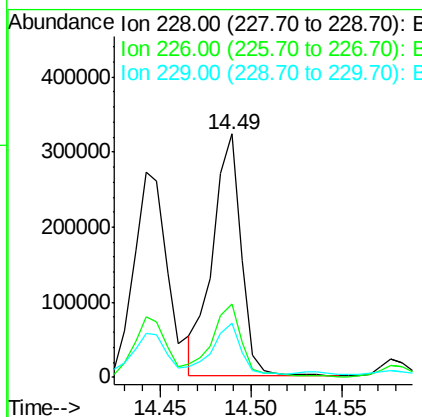
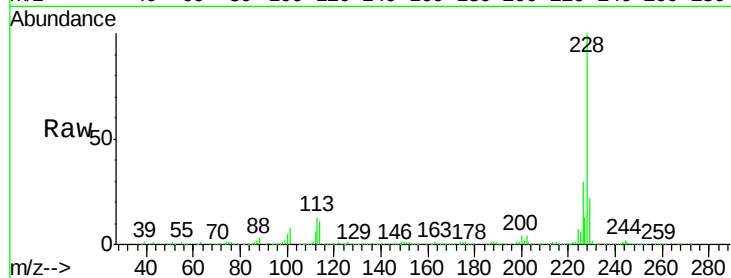
#82
Chrysene
Concen: 25.19 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampleId :
BL-1(3)

Tot Ion:	228	Resp:	355739
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	22.1	15.8	23.6

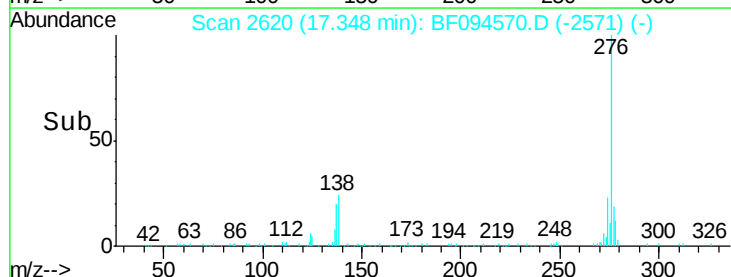
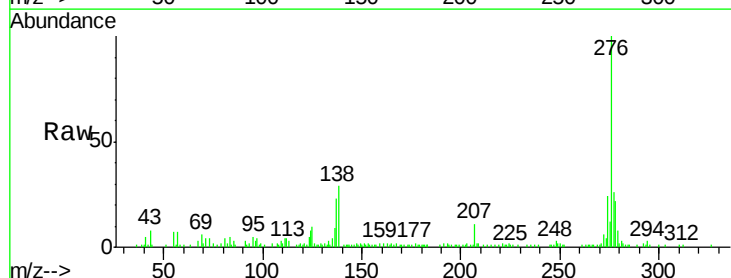
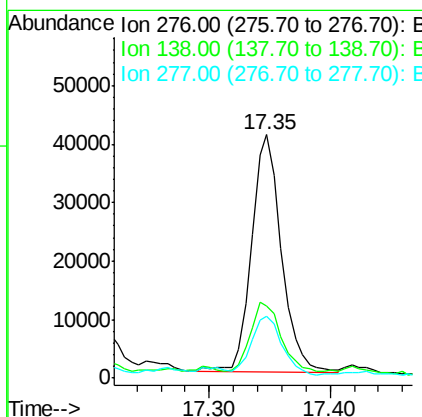
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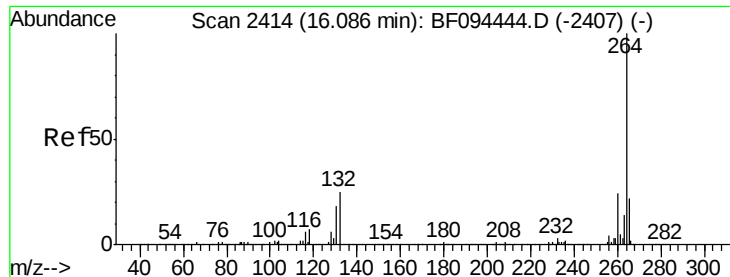
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.25 ng
RT: 17.35 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion:	276	Resp:	70493
Ion Ratio	Lower	Upper	
276	100		
138	29.4	27.8	41.6
277	24.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Instrument :

BNA_F

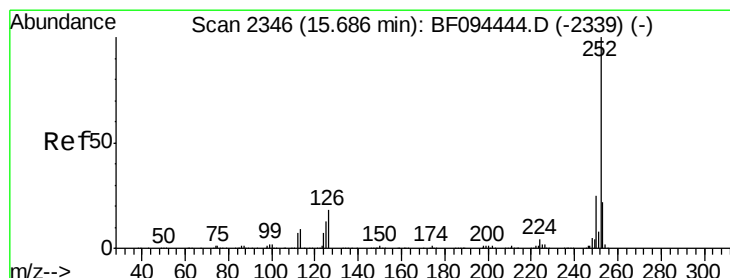
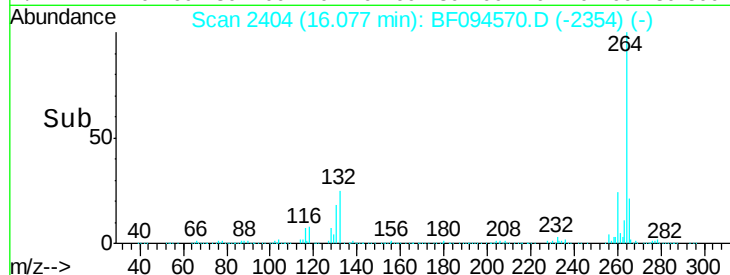
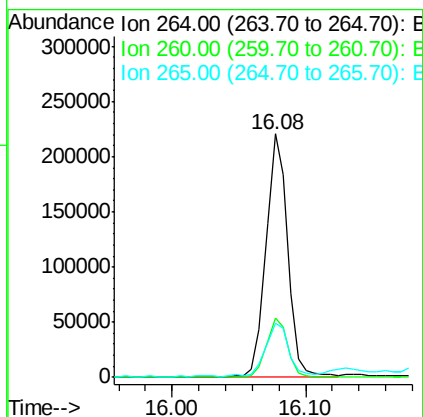
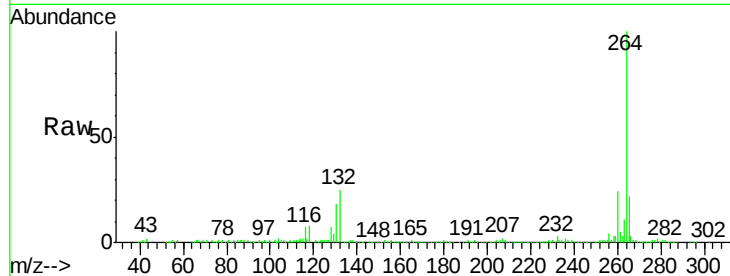
ClientSampled :

BL-1(3)

Tot Ion:	264	Resp:	250291
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.0	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 13.85 ng m

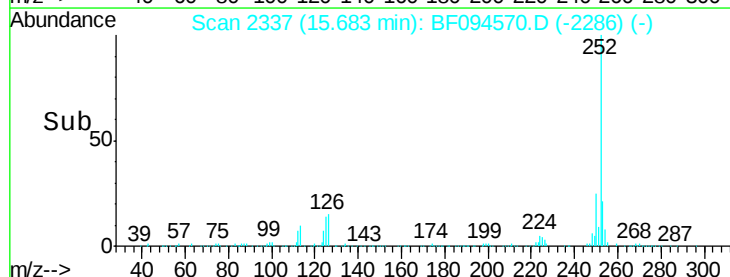
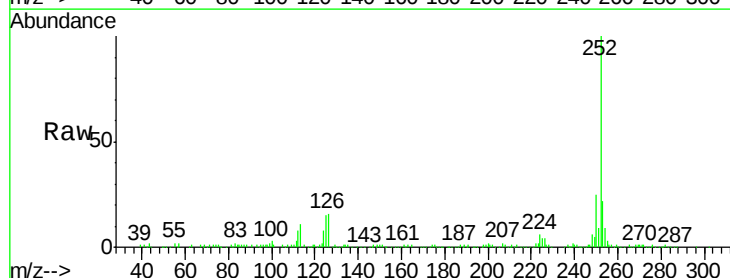
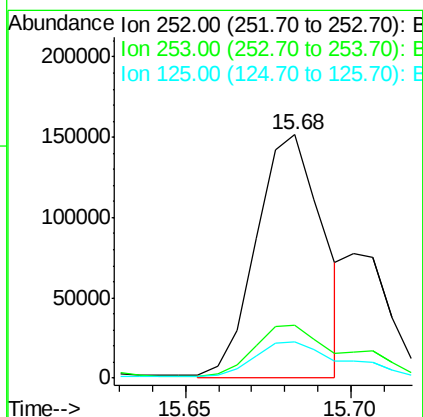
RT: 15.68 min Scan# 2337

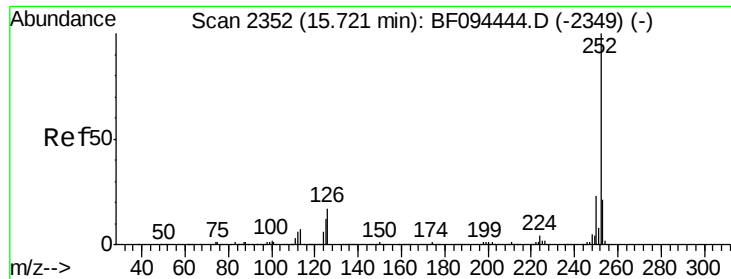
Delta R.T. -0.00 min

Lab File: BF094570.D

Acq: 21 Apr 2017 18:46

Tgt Ion:	252	Resp:	212133
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	15.0	9.8	14.8#





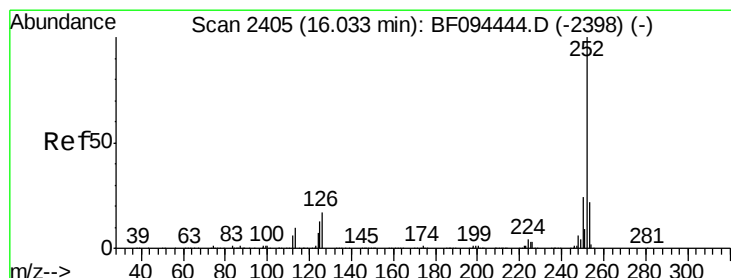
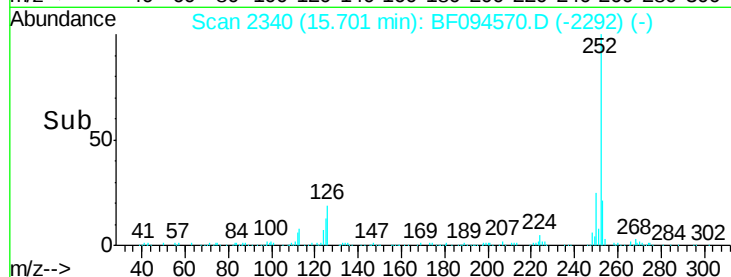
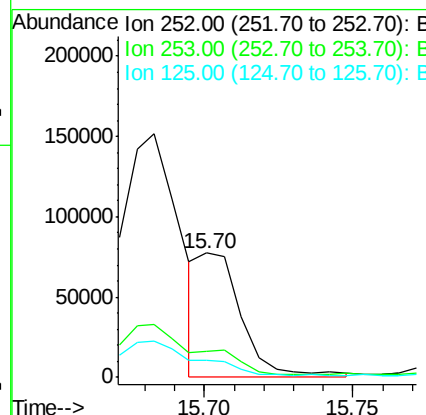
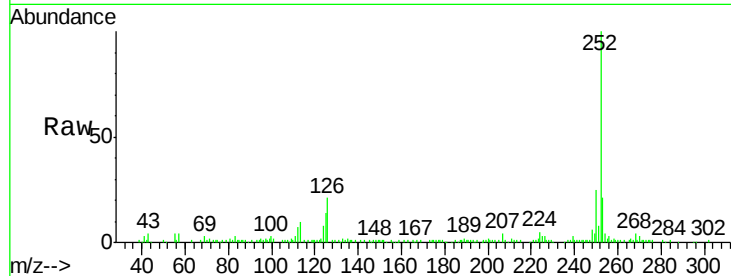
#88
Benzo(k)fluoranthene
Concen: 5.33 ng m
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Instrument :
BNA_F
ClientSampleId :
BL-1(3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	14.0	13.1	19.7

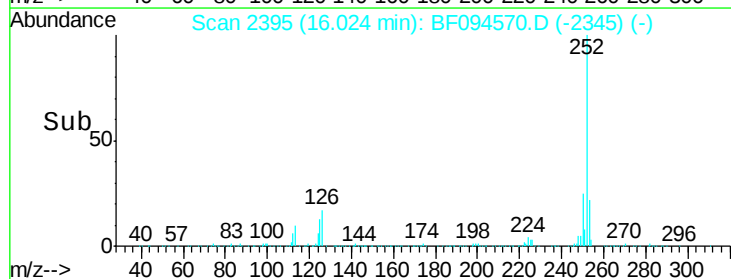
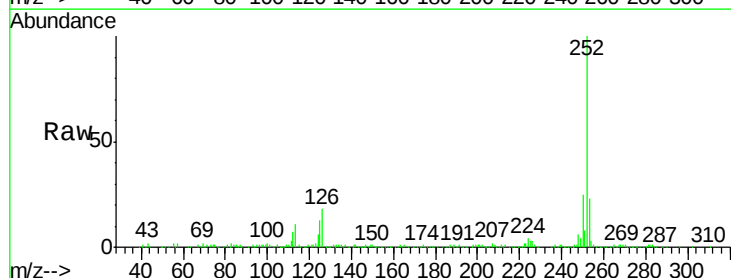
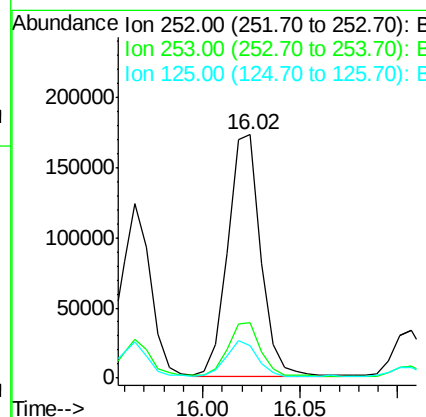
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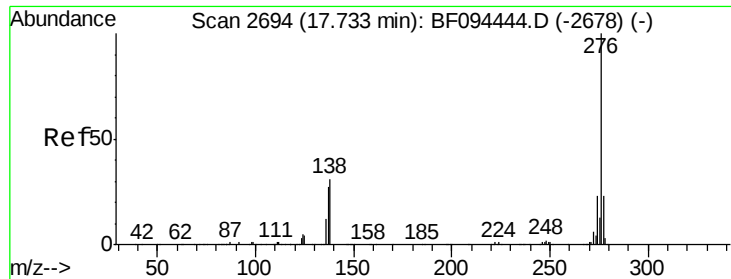
mohammad
4/24/2017 5:13:20 PM



#89
Benzo(a)pyrene
Concen: 14.18 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094570.D
Acq: 21 Apr 2017 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.30 ng
 RT: 17.72 min Scan# 2683
 Delta R.T. -0.01 min
 Lab File: BF094570.D
 Acq: 21 Apr 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 BL-1(3)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	32.5	25.4	38.0

Manual Integrations
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 4/24/2017 5:13:20 PM

