

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094557.D
 Acq On : 20 Apr 2017 21:01
 Operator : SJ/MA
 Sample : I2744-18 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)20170419

Manual Integrations
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mohammad
 4/21/2017 11:39:24 AM

Quant Time: Apr 21 02:30:29 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	130229	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	512204	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204699	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	335830	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	257637	20.00	ng	0.00
86) Perylene-d12	16.09	264	220421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	472447	60.19	ng	0.00
7) Phenol-d6	5.38	99	578924	62.56	ng	0.00
23) Nitrobenzene-d5	6.41	82	345178	41.61	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	97177	60.69	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	644211	46.30	ng	0.00
78) Terphenyl-d14	13.18	244	449400	46.62	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.08	163	150259	9.85	ng	99
70) Phenanthrene	11.24	178	112037	5.92	ng	98
74) Fluoranthene	12.70	202	236873	12.09	ng	97
77) Pyrene	12.97	202	260438	14.47	ng	96
80) Benzo(a)anthracene	14.45	228	114390	7.64	ng	97
82) Chrysene	14.49	228	116477	8.51	ng	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	56318	4.32	ng	94
87) Benzo(b)fluoranthene	15.69	252	141244m	10.48	ng	
88) Benzo(k)fluoranthene	15.71	252	42863m	3.36	ng	
89) Benzo(a)pyrene	16.03	252	96492	7.69	ng	# 94
91) Benzo(g,h,i)perylene	17.74	276	56695	5.35	ng	96

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

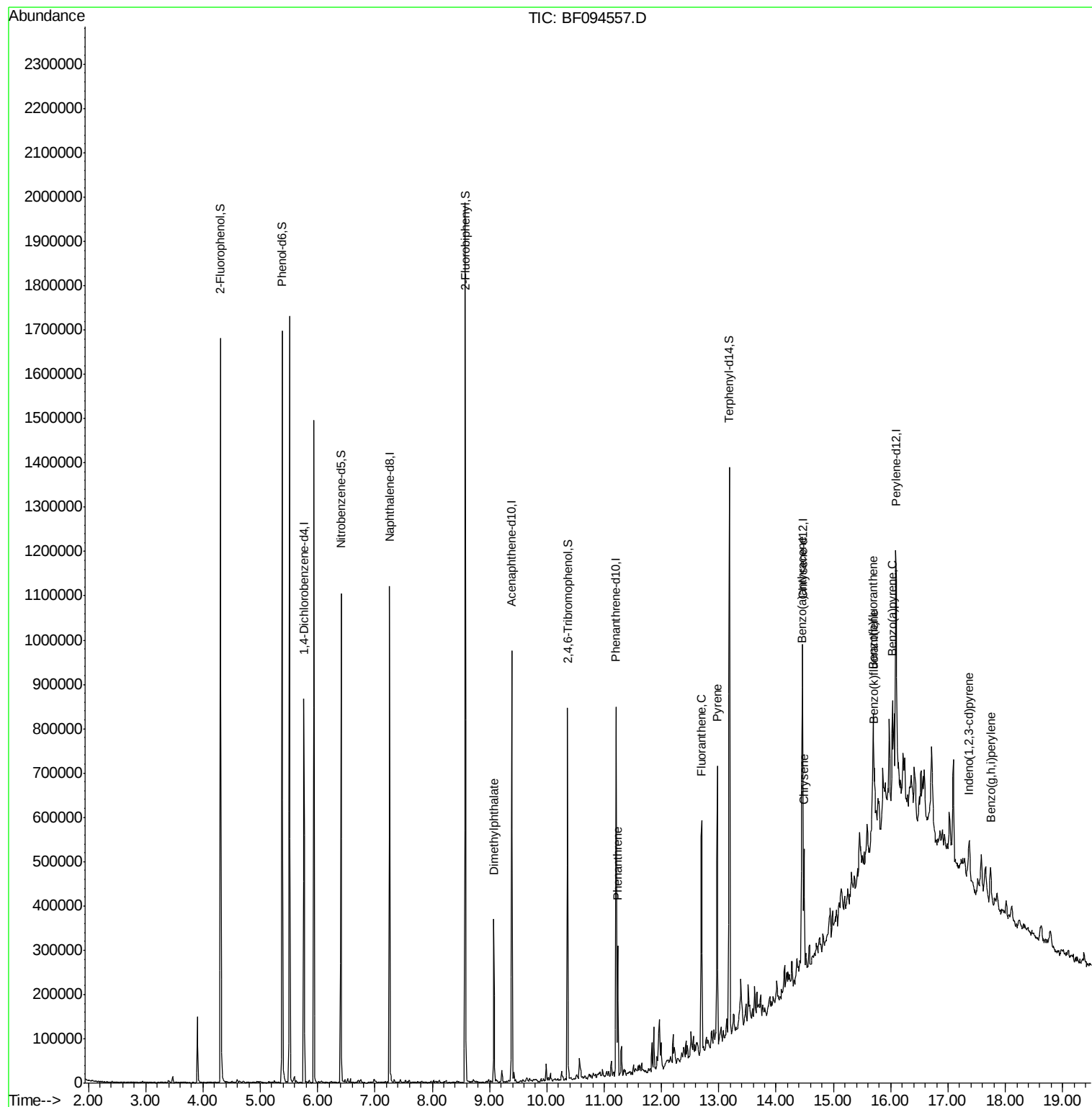
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
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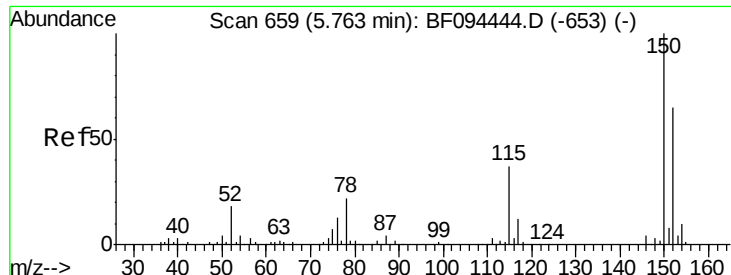
Instrument :
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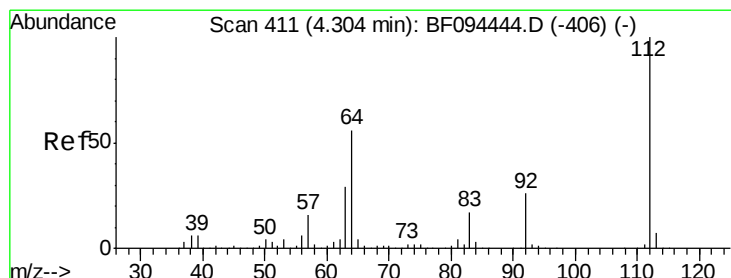
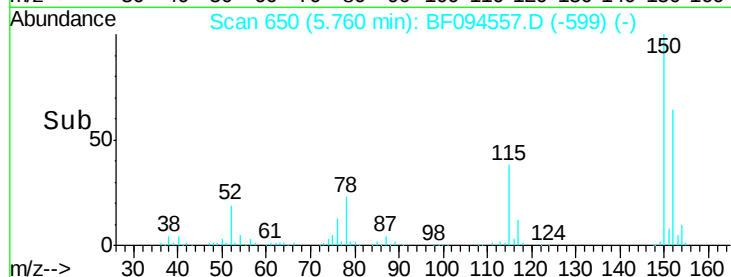
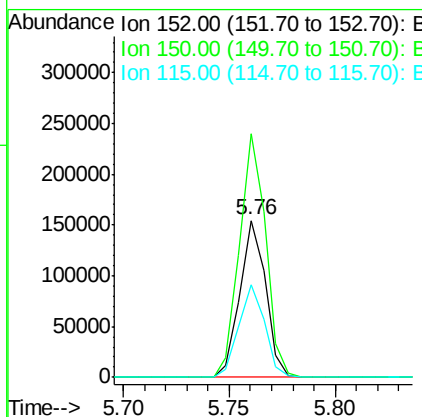
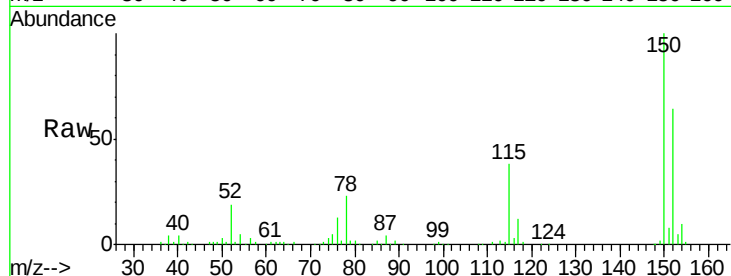
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	59.5	52.2	78.2

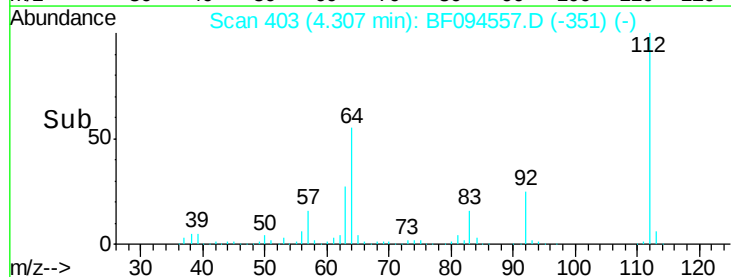
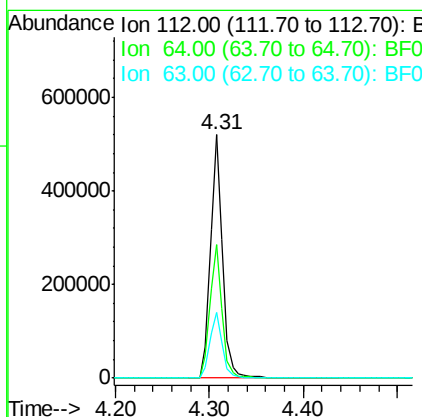
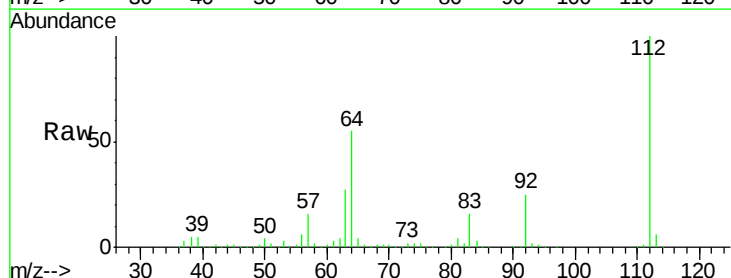
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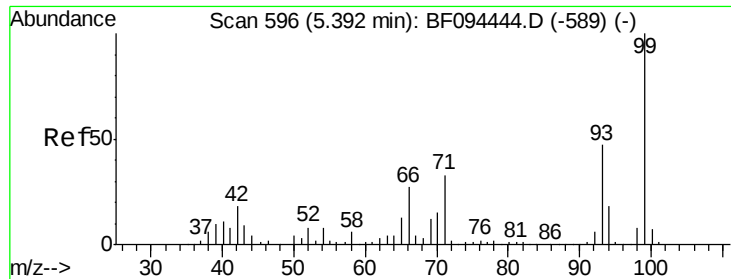
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#5
 2-Fluorophenol
 Concen: 60.19 ng
 RT: 4.31 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 62.56 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

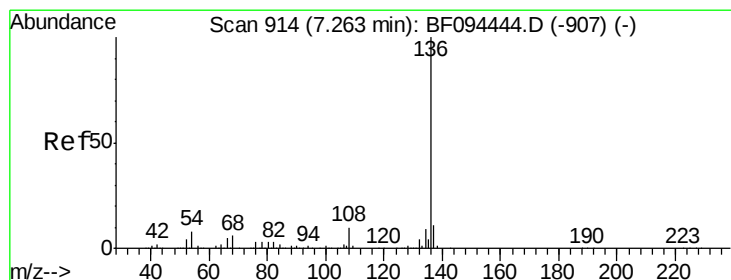
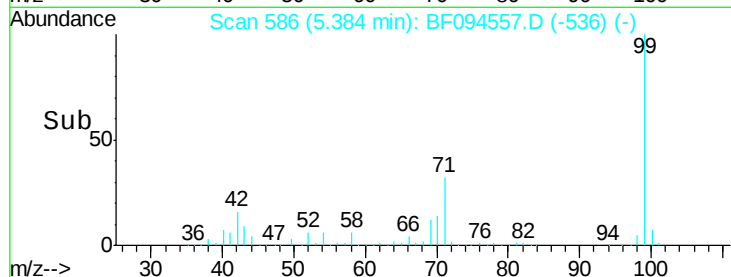
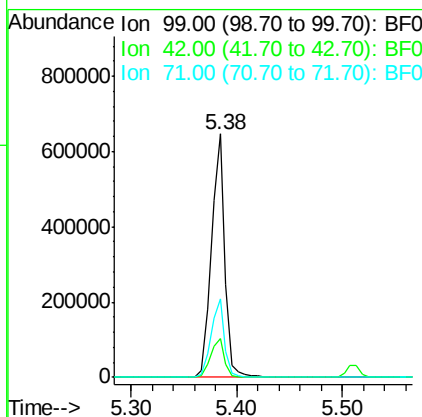
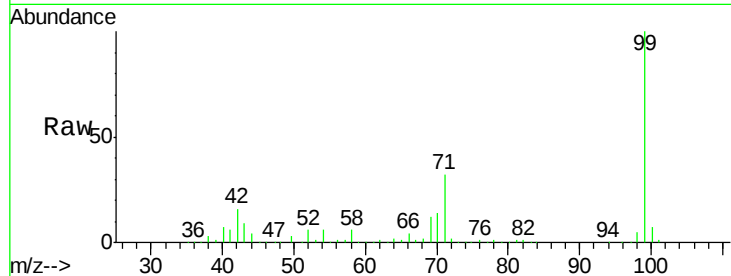
ClientSampleId :

SB-4(0-2)20170419

Tot Ion:	99	Resp:	578924
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

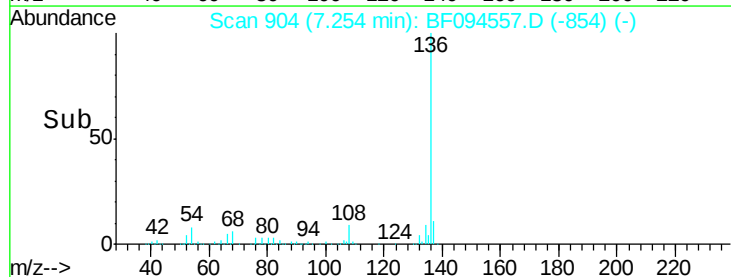
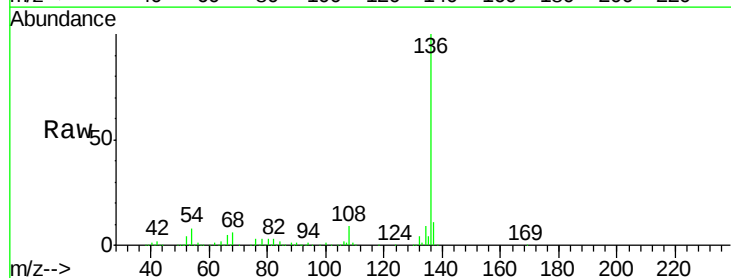
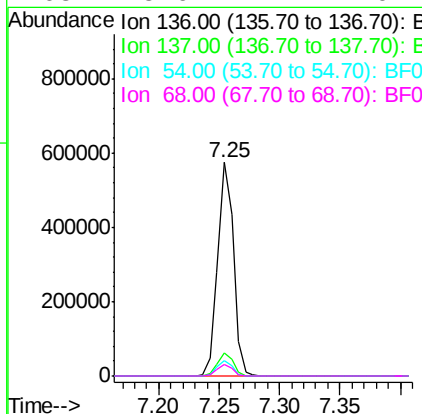
RT: 7.25 min Scan# 904

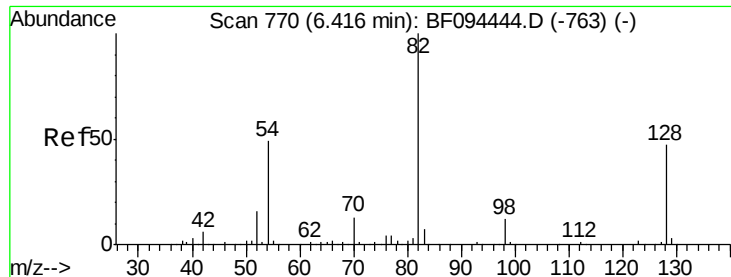
Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Tgt Ion:	136	Resp:	512204
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	5.6	4.1	6.1





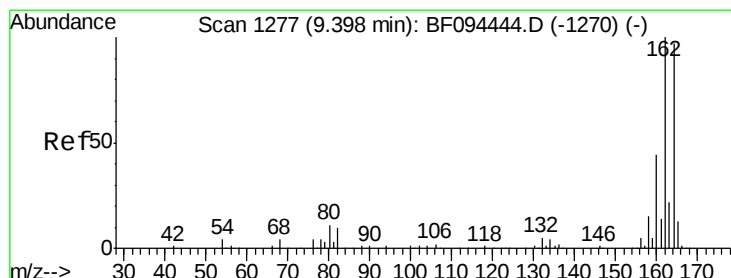
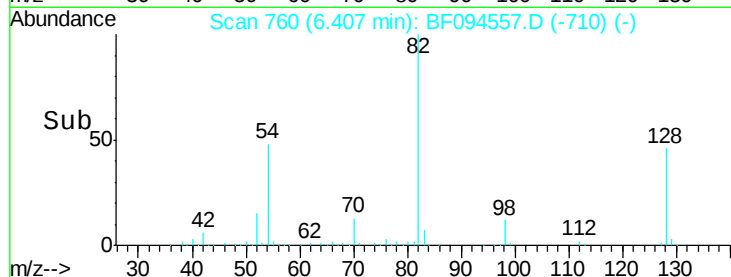
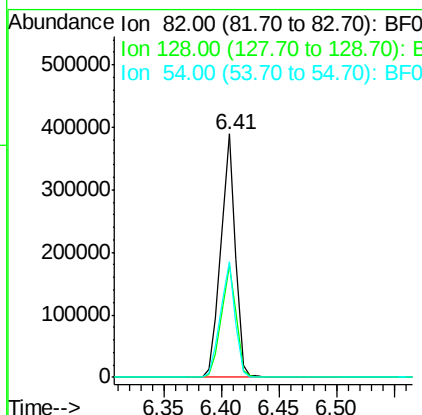
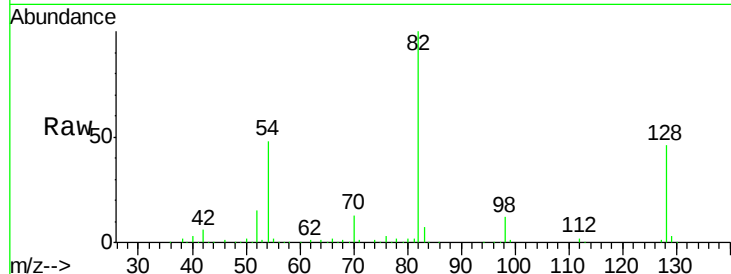
#23
 Nitrobenzene-d5
 Concen: 41.61 ng
 RT: 6.41 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)20170419

Tot Ion	Ratio	Resp	Lower	Upper
82	100	345178		
128	46.1		34.0	51.0
54	47.6		42.2	63.2

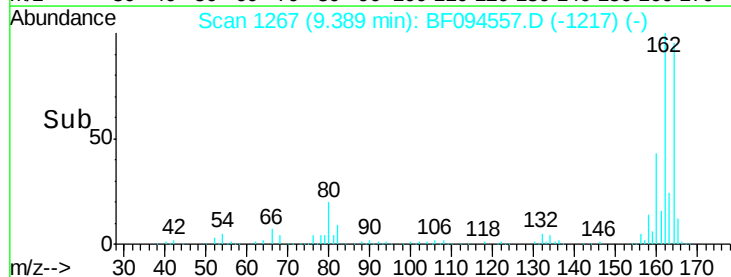
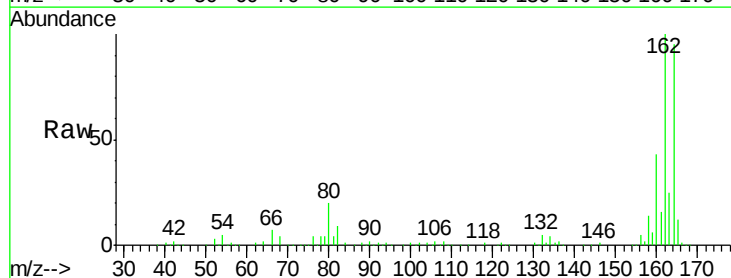
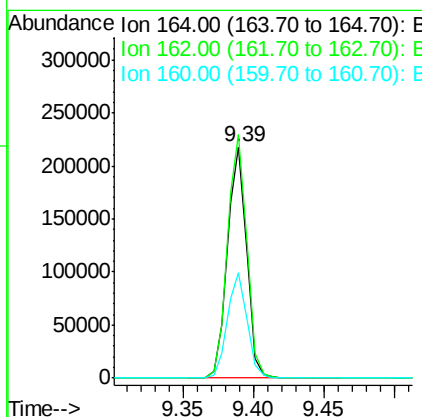
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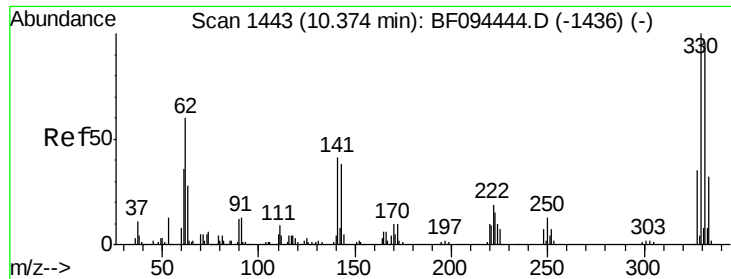
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204699		
162	105.2		82.6	123.8
160	45.4		36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 60.69 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

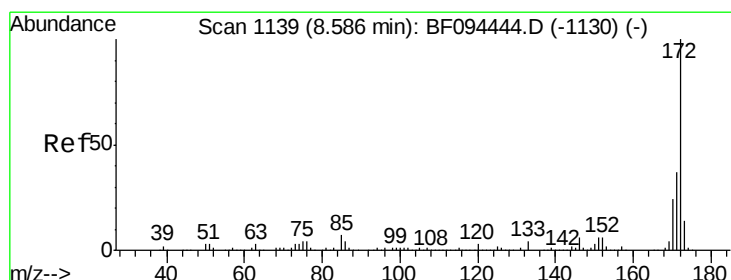
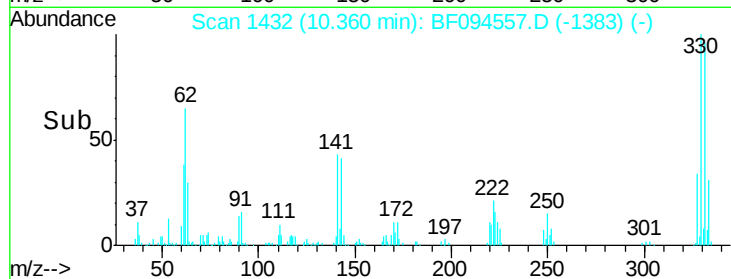
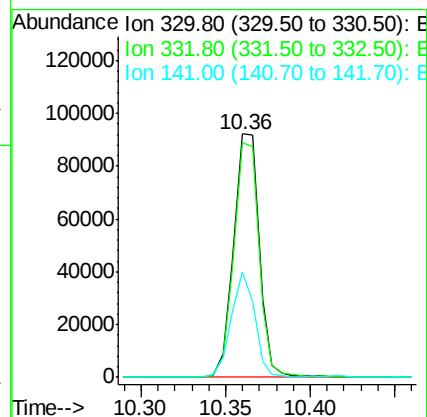
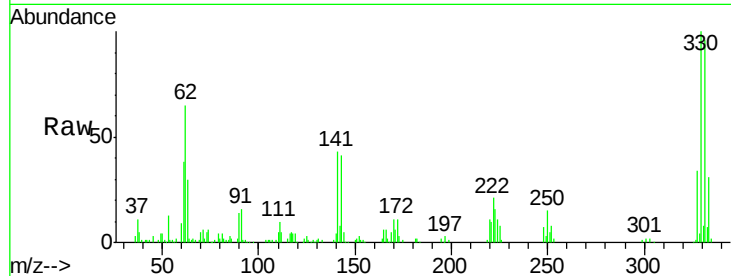
ClientSampleId :

SB-4(0-2)20170419

Tot Ion:	330	Resp:	97177
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.6	115.0
141	39.7	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 46.30 ng

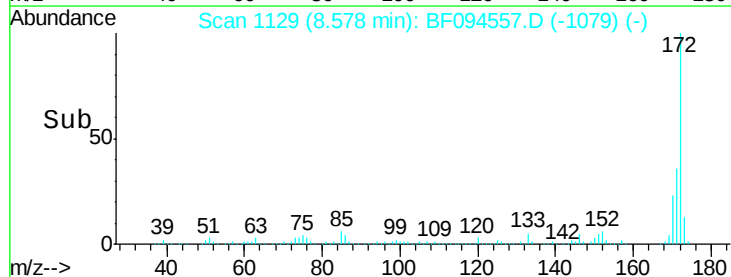
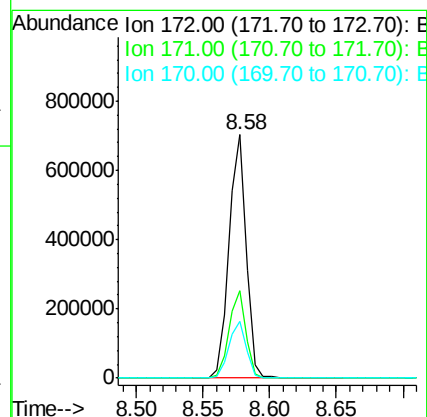
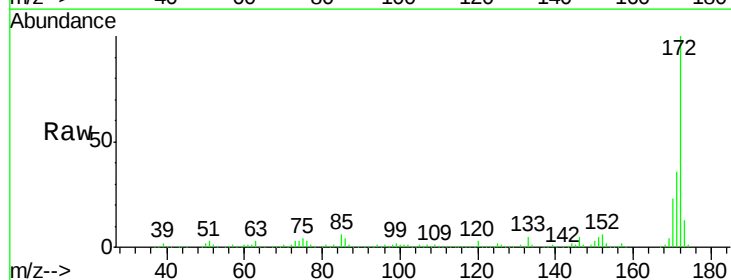
RT: 8.58 min Scan# 1129

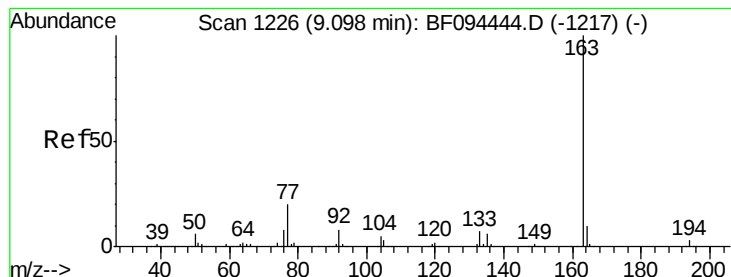
Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Tgt Ion:	172	Resp:	644211
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	23.3	19.8	29.8





#49

Dimethylphthalate

Concen: 9.85 ng

RT: 9.08 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

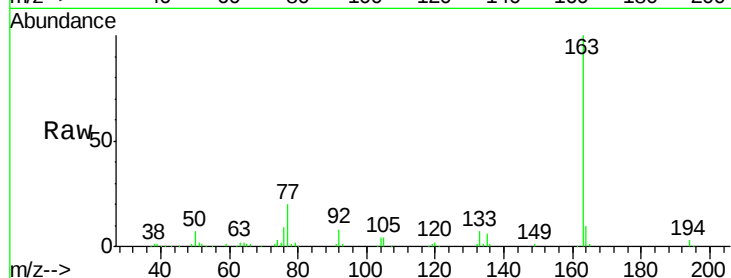
ClientSampleId :

SB-4(0-2)20170419

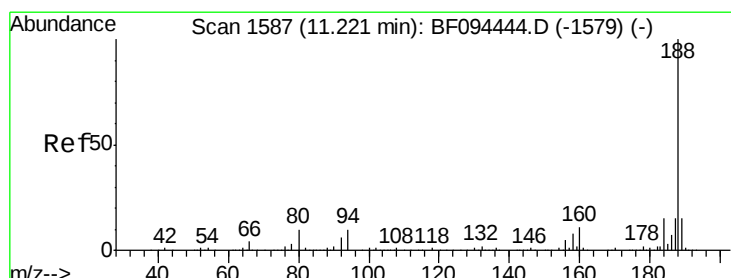
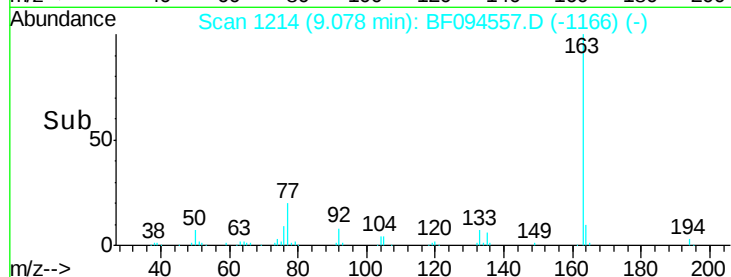
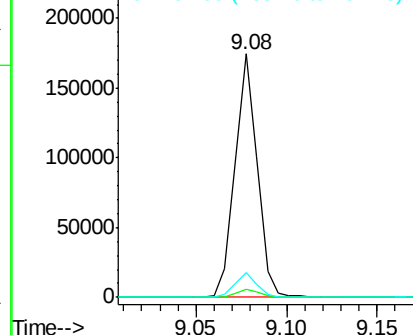
Tot Ion:	163	Resp:	150259
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.2	8.4	12.6

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

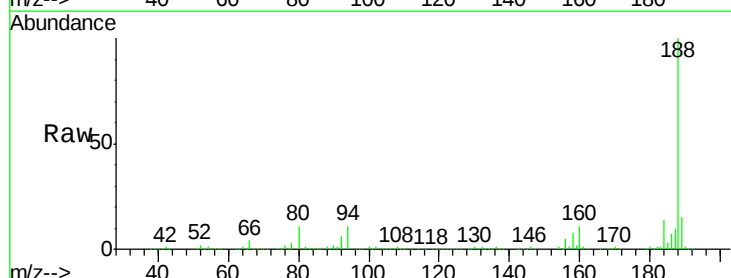
RT: 11.21 min Scan# 1576

Delta R.T. -0.01 min

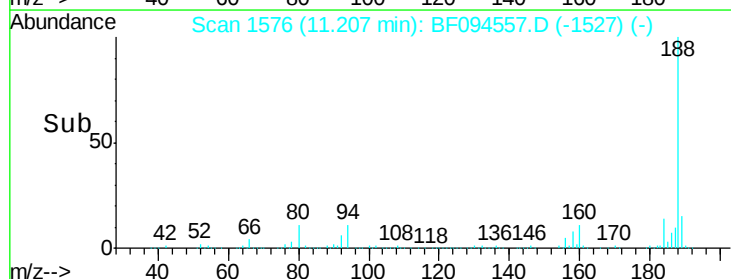
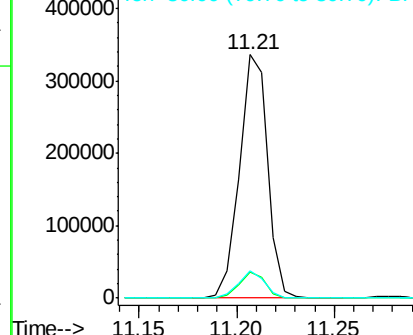
Lab File: BF094557.D

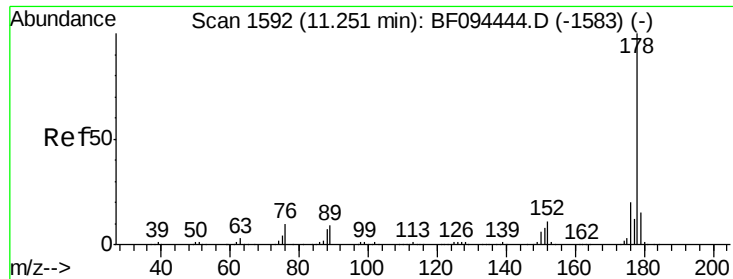
Acq: 20 Apr 2017 21:01

Tgt Ion:	188	Resp:	335830
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.4	14.2
80	11.3	10.2	15.2



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





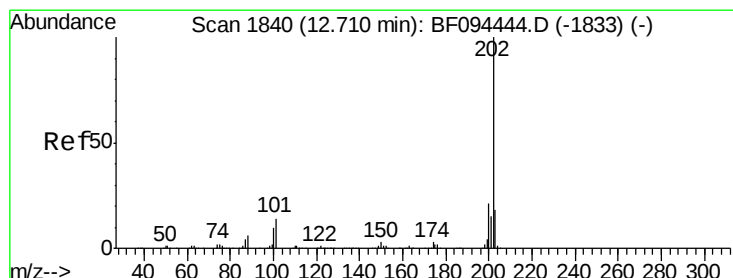
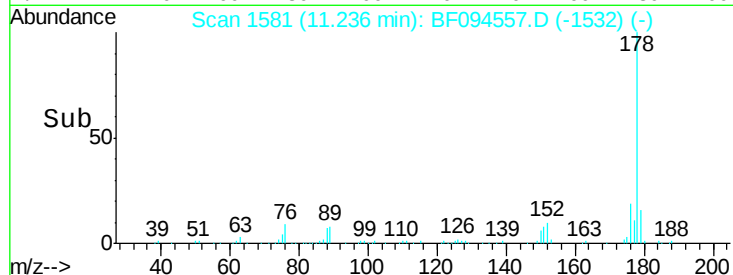
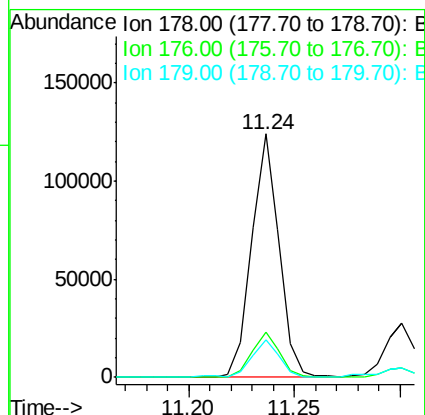
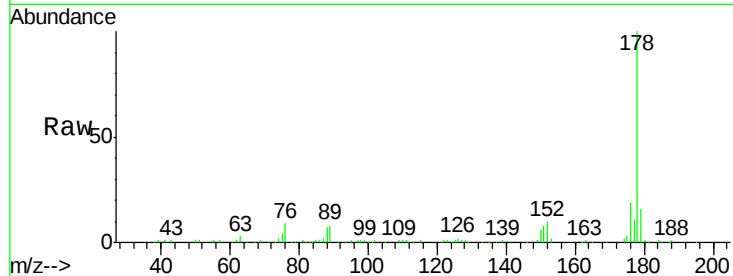
#70
Phenanthrene
Concen: 5.92 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
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SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.6	12.6	19.0

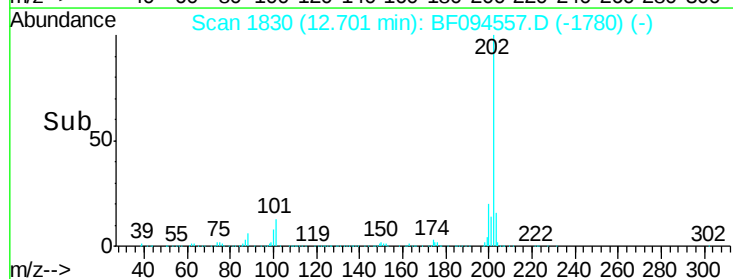
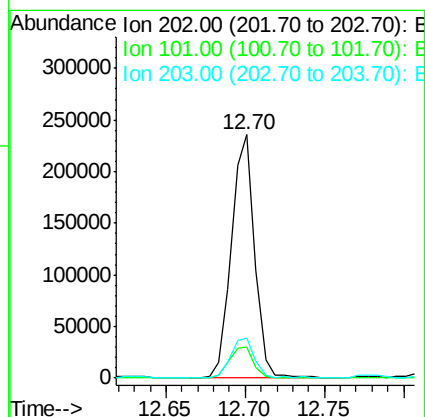
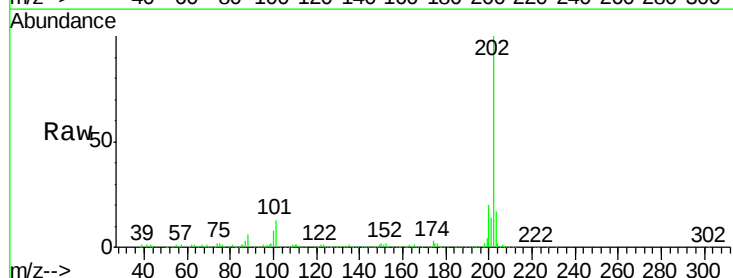
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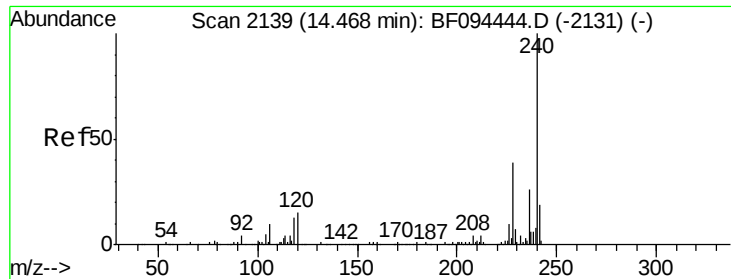
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#74
Fluoranthene
Concen: 12.09 ng
RT: 12.70 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	16.6	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: BF094557.D

Acq: 20 Apr 2017 21:01

Instrument :

BNA_F

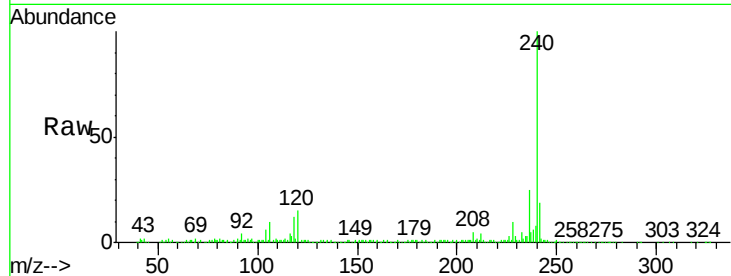
ClientSampleId :

SB-4(0-2)20170419

Tot Ion	Ratio	Resp	Lower	Upper
240	100	257637		
120	14.8	5.8	8.8#	
236	25.4	20.5	30.7	

Manual Integrations
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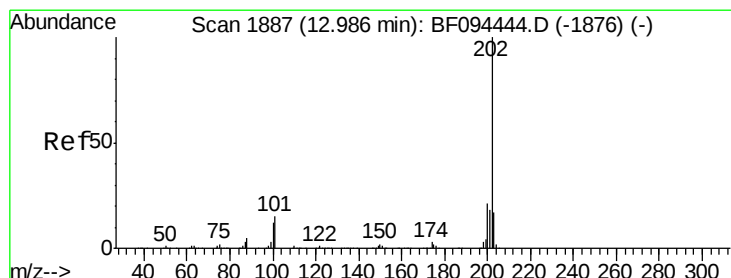
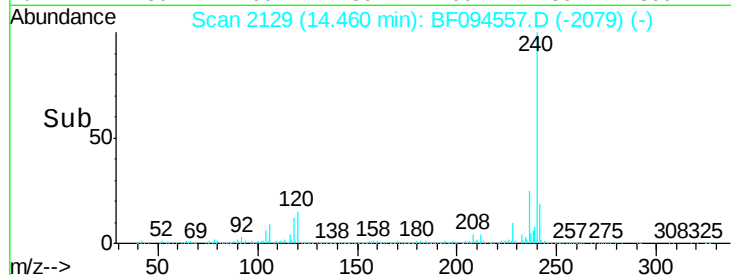
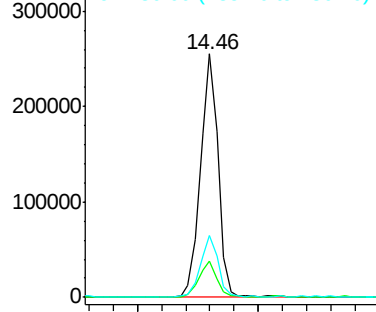
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.47 ng

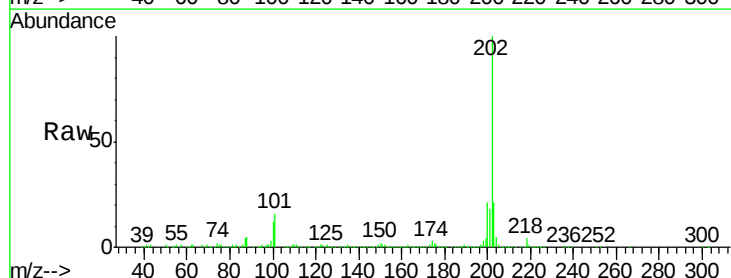
RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094557.D

Acq: 20 Apr 2017 21:01

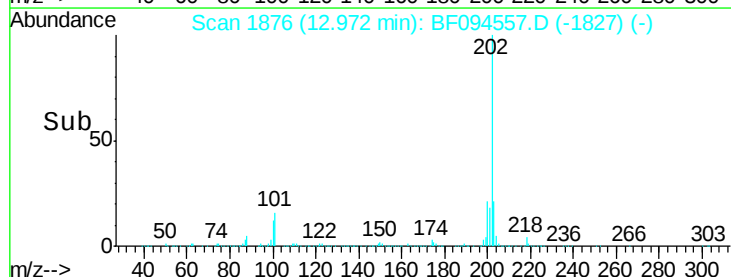
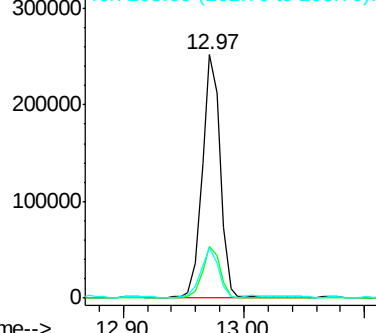
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	260438		
200	21.0	17.6	26.4	
203	20.5	14.4	21.6	

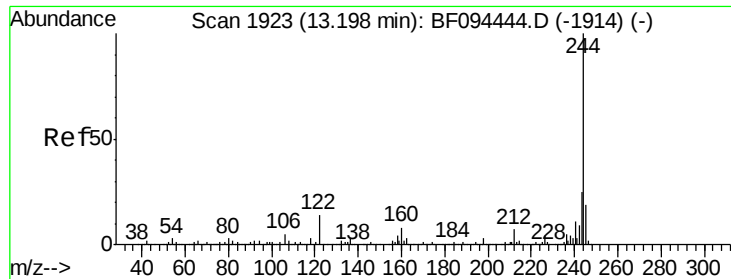


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





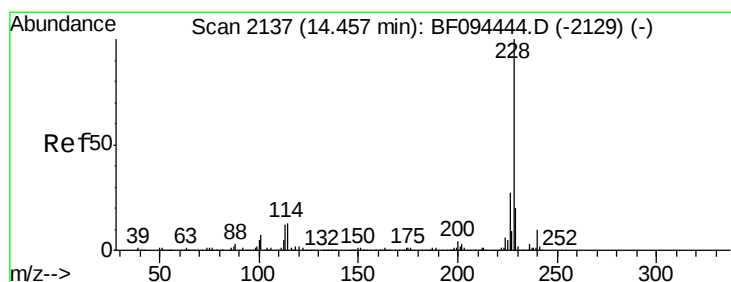
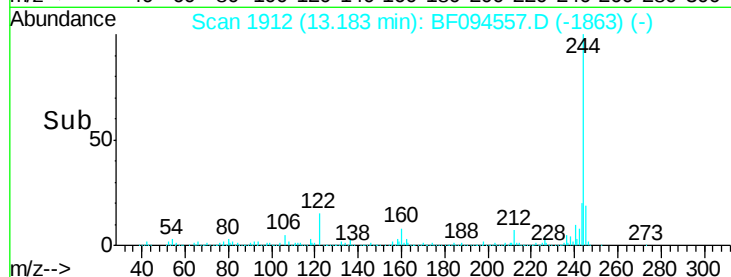
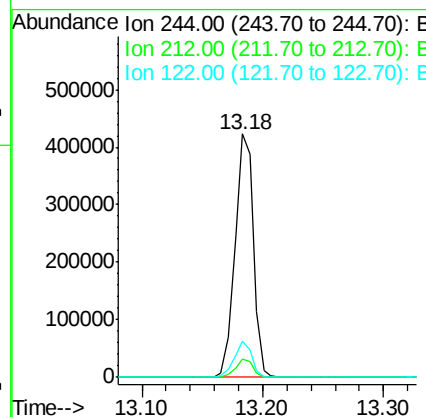
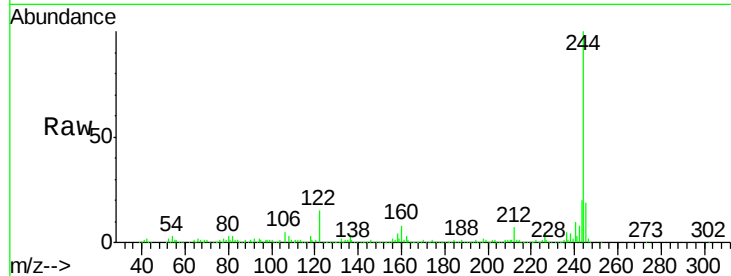
#78
 Terphenyl-d14
 Concen: 46.62 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.8	10.3	15.5

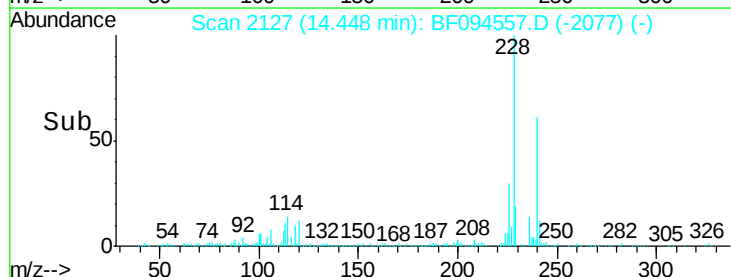
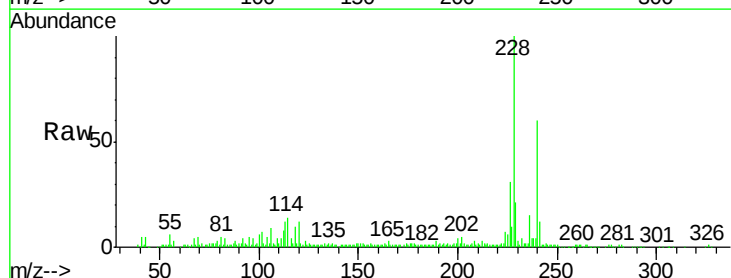
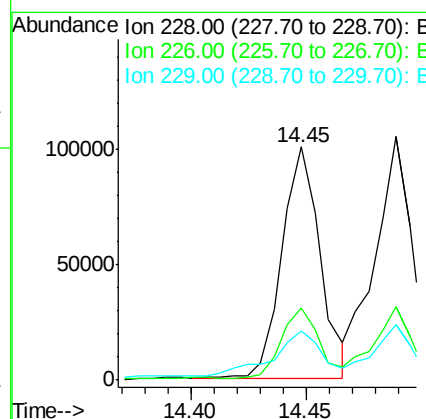
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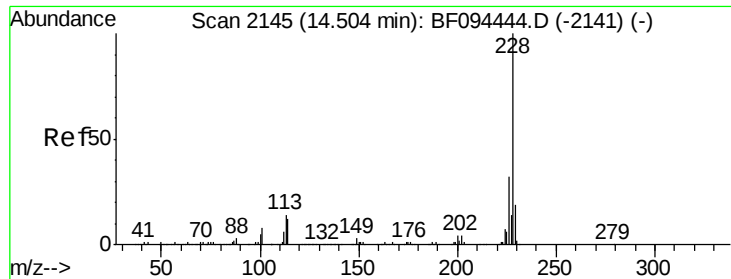
mohammad
 4/21/2017 11:39:24 AM



#80
 Benzo(a)anthracene
 Concen: 7.64 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	21.0	16.3	24.5





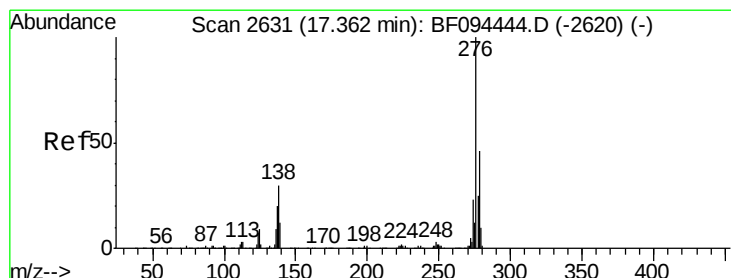
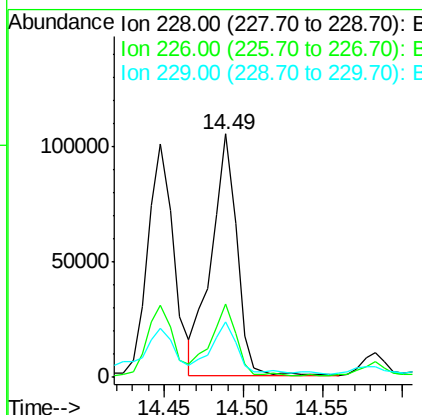
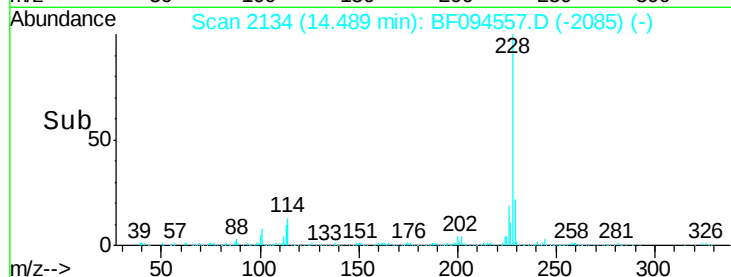
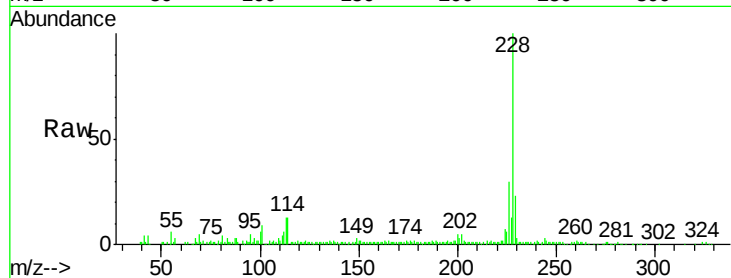
#82
Chrysene
Concen: 8.51 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)20170419

Tot Ion:	228	Resp:	116477
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	22.6	15.8	23.6

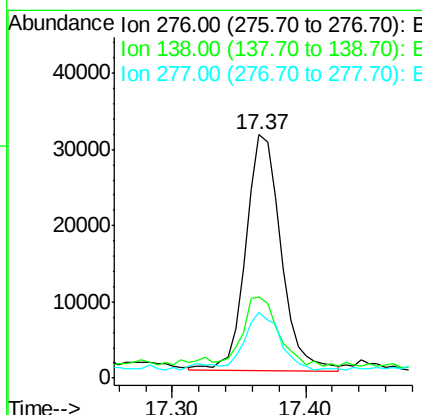
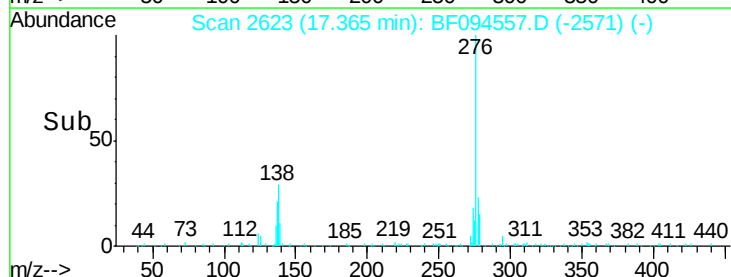
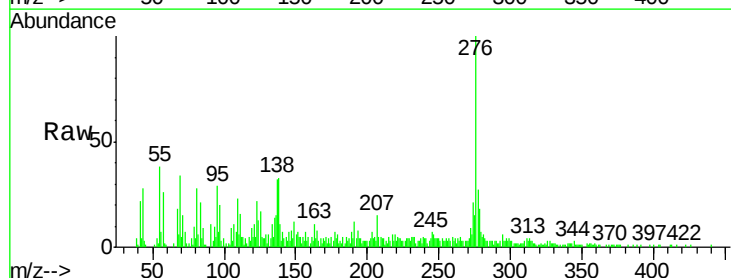
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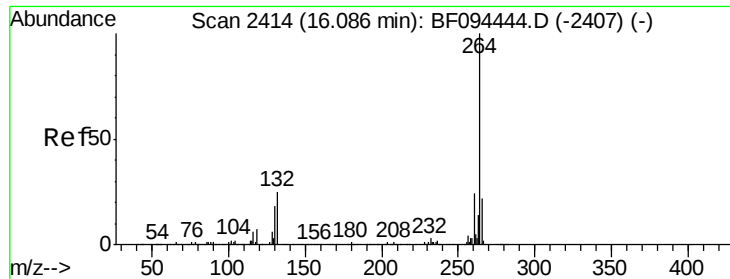
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 17.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion:	276	Resp:	56318
Ion Ratio	Lower	Upper	
276	100		
138	29.8	27.8	41.6
277	24.0	20.2	30.4





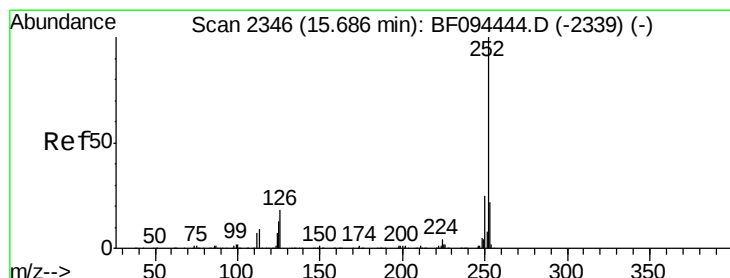
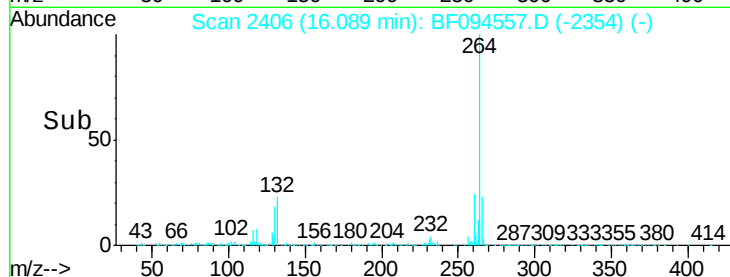
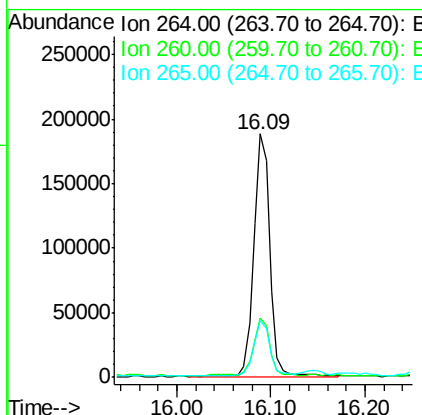
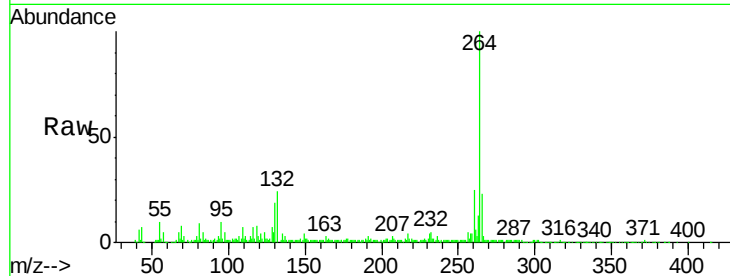
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	23.1	17.2	25.8

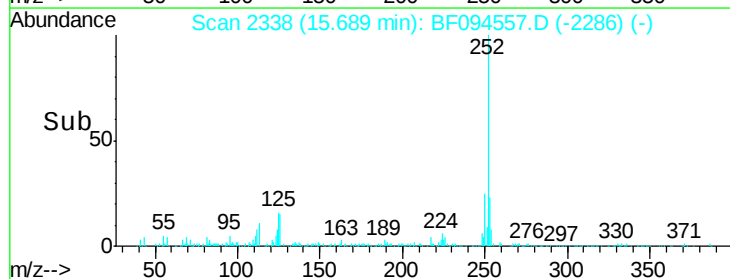
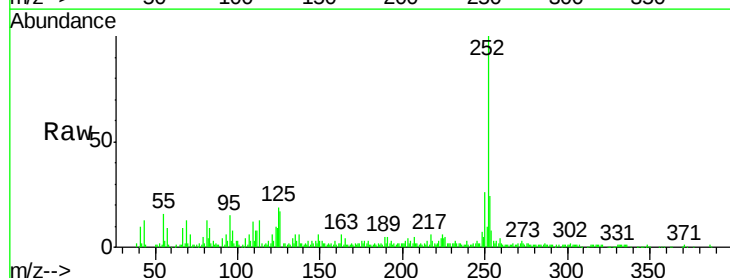
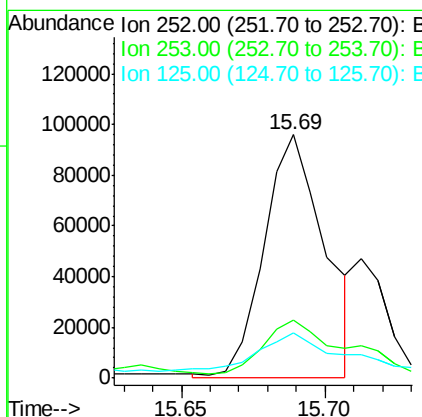
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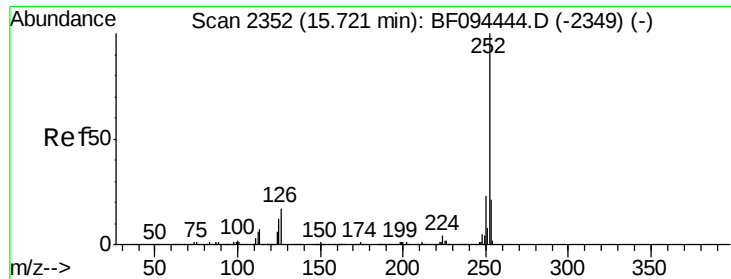
mohammad
4/21/2017 11:39:24 AM



#87
Benzo(b)fluoranthene
Concen: 10.48 ng m
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	18.6	9.8	14.8#





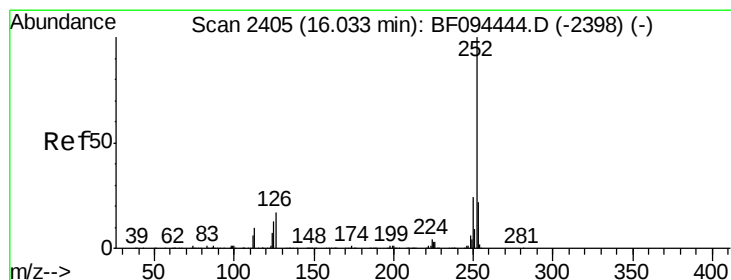
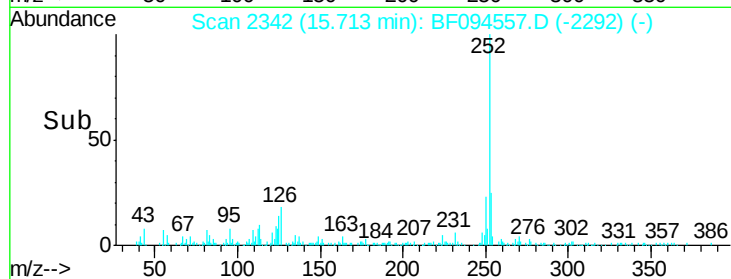
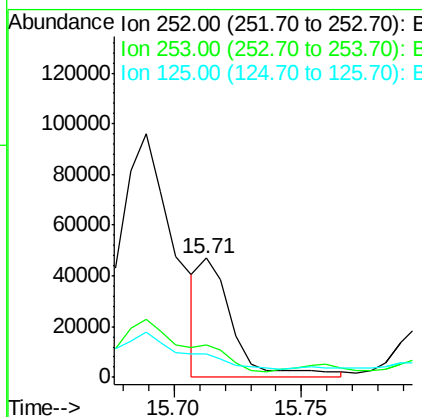
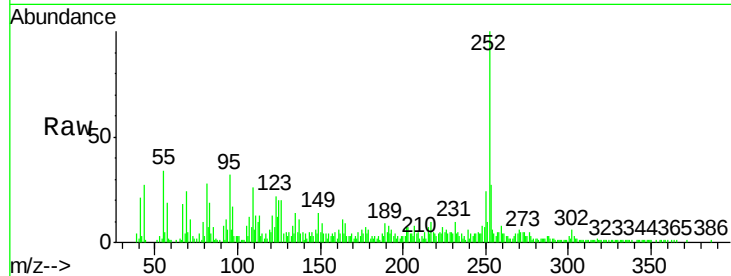
#88
Benzo(k)fluoranthene
Concen: 3.36 ng m
RT: 15.71 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.4	27.6
125	19.7	13.1	19.7#

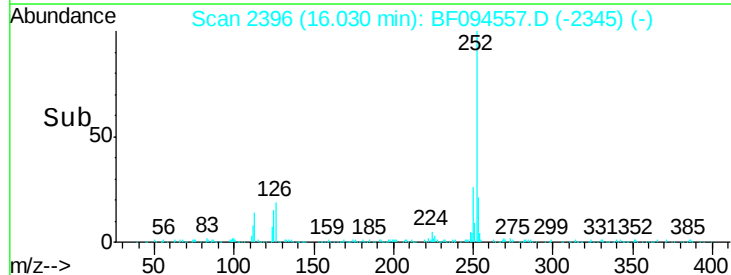
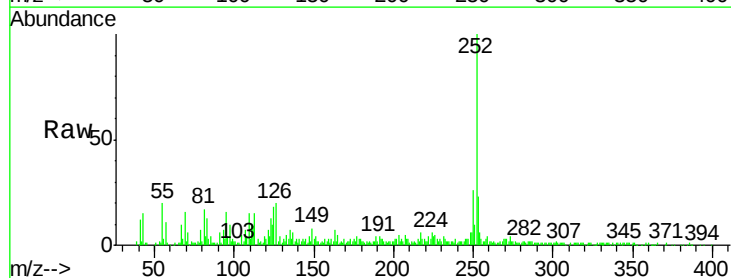
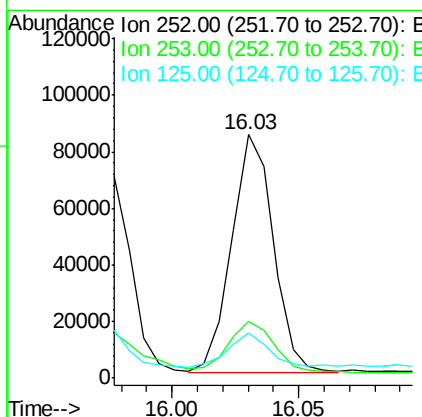
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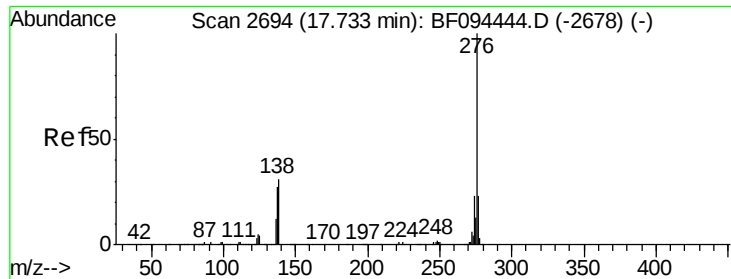
mohammad
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#89
Benzo(a)pyrene
Concen: 7.69 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094557.D
Acq: 20 Apr 2017 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	18.5	11.0	16.4#





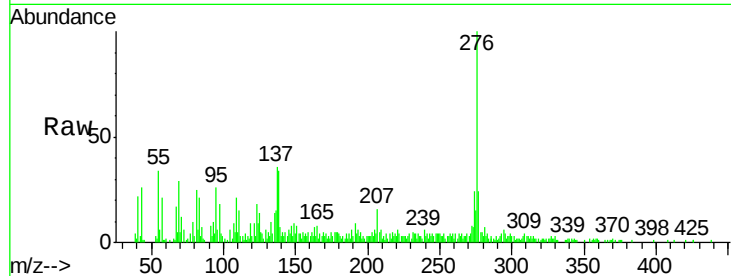
#91
 Benzo(a,h,i)perylene
 Concen: 5.35 ng
 RT: 17.74 min Scan# 2687
 Delta R.T. 0.01 min
 Lab File: BF094557.D
 Acq: 20 Apr 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)20170419

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	34.2	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

