

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094404.D
 Acq On : 13 Apr 2017 21:34
 Operator : SJ/MA
 Sample : I2662-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMP

Manual Integrations
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Quant Time: Apr 14 07:17:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	158303	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	610132	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	259564	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	400419	20.00	ng	-0.05
75) Chrysene-d12	14.50	240	279826	20.00	ng	-0.05
86) Perylene-d12	16.13	264	231402	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	907111	96.78	ng	-0.04
7) Phenol-d6	5.42	99	1127369	97.23	ng	-0.04
23) Nitrobenzene-d5	6.44	82	692744	64.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	185786	90.58	ng	-0.04
44) 2-Fluorobiphenyl	8.61	172	1087248	63.89	ng	-0.05
78) Terphenyl-d14	13.22	244	641152	51.36	ng	-0.05
Target Compounds						
10) Phenol	5.43	94	63373	4.80	ng	Qvalue 84
49) Dimethylphthalate	9.10	163	83437	4.52	ng	99
51) Acenaphthene	9.46	154	82625	5.20	ng	99
54) Dibenzofuran	9.67	168	43782	2.02	ng	95
57) Fluorene	10.09	166	69446	3.87	ng	96
70) Phenanthrene	11.28	178	1066911	47.90	ng	99
71) Anthracene	11.34	178	337371	14.71	ng	99
72) Carbazole	11.55	167	58037	2.47	ng	98
74) Fluoranthene	12.75	202	1520368	66.66	ng	99
77) Pyrene	13.02	202	1427391	70.29	ng	99
80) Benzo(a)anthracene	14.49	228	597285	36.60	ng	99
82) Chrysene	14.53	228	502489	33.18	ng	96
85) Indeno(1,2,3-cd)pyrene	17.42	276	245827	18.74	ng	94
87) Benzo(b)fluoranthene	15.73	252	531129m	37.45	ng	
88) Benzo(k)fluoranthene	15.75	252	232438m	16.75	ng	
89) Benzo(a)pyrene	16.07	252	424557	32.50	ng	96
90) Dibenzo(a,h)anthracene	17.43	278	57504m	5.20	ng	
91) Benzo(g,h,i)perylene	17.80	276	263191	23.61	ng	98

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

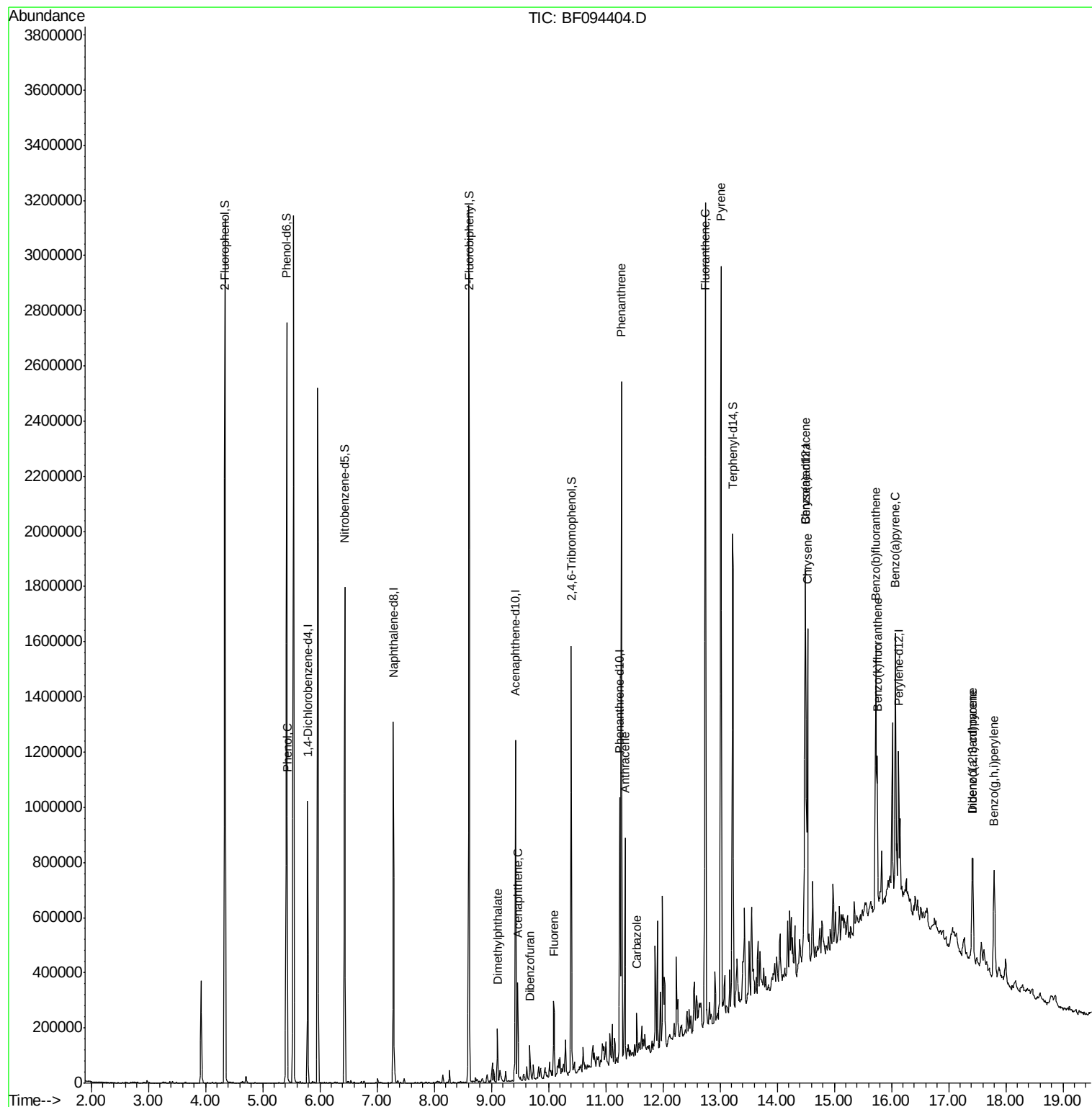
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094404.D
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ALS Vial : 17 Sample Multiplier: 1

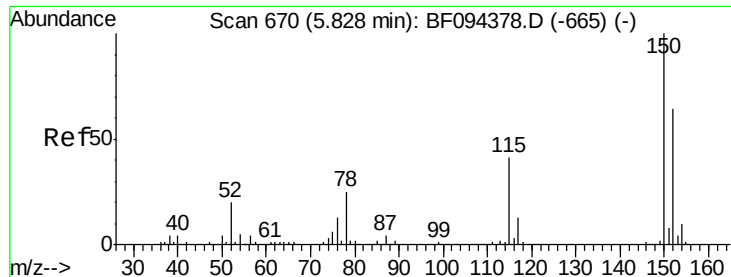
Instrument :
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#1

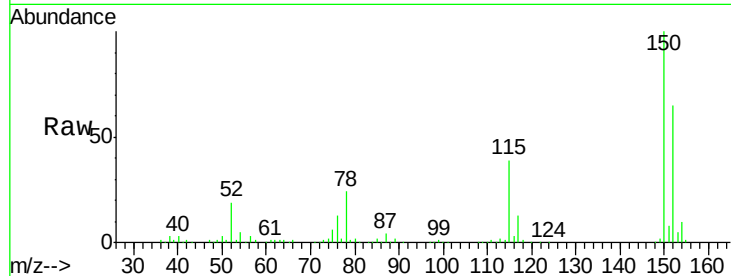
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

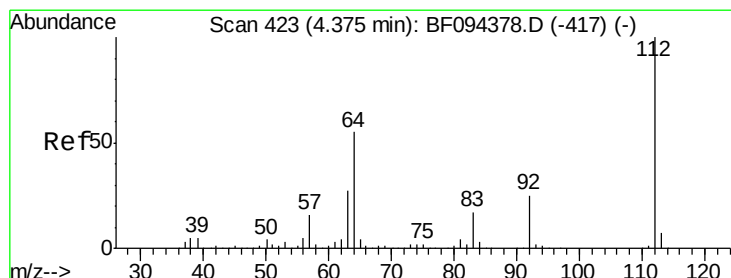
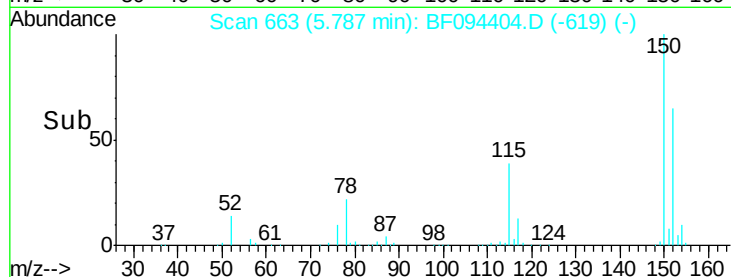
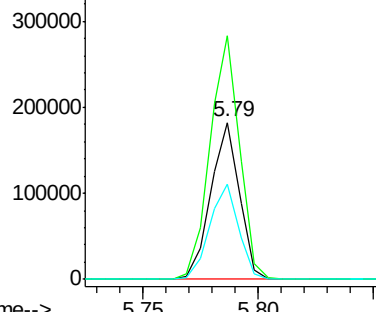
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	60.3	52.2	78.2

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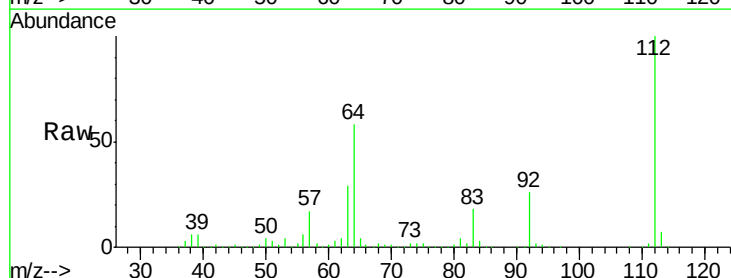
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



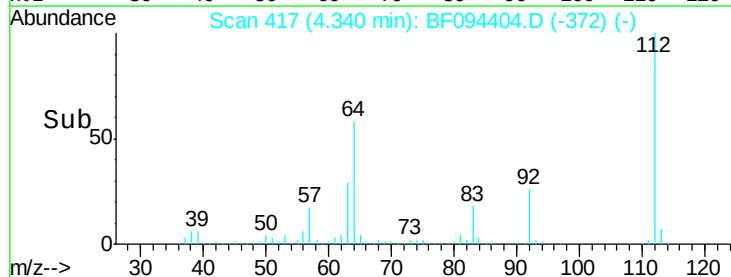
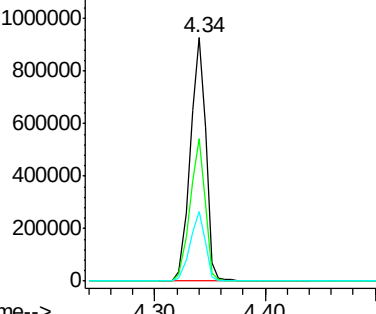
#5

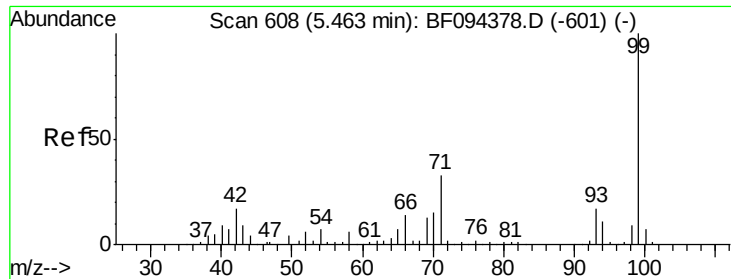
2-Fluorophenol
Concen: 96.78 ng
RT: 4.34 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.0	69.0
63	28.6	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.23 ng

RT: 5.42 min Scan# 601

Delta R.T. -0.04 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

AREA-2-COMP

Tot Ion: 99 Resp: 1127369

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

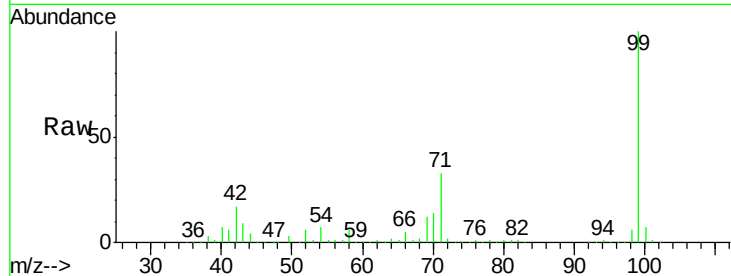
71 33.0 24.5 36.7

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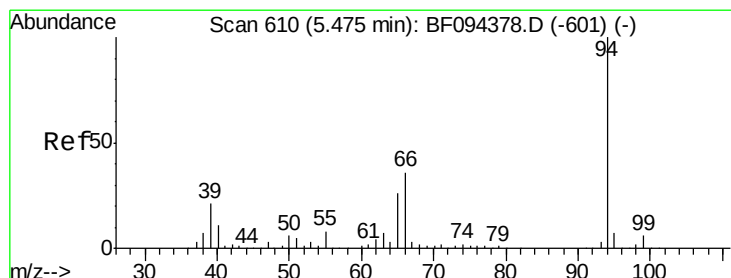
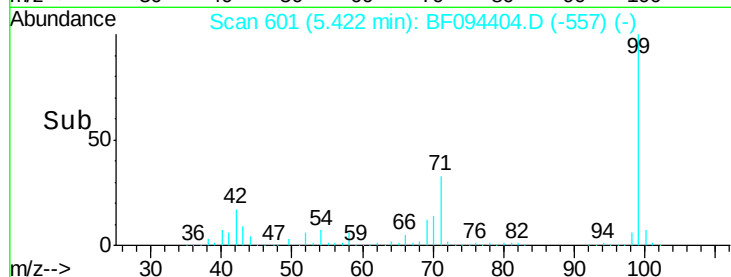
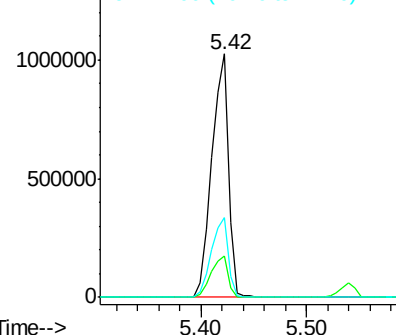
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.80 ng

RT: 5.43 min Scan# 603

Delta R.T. -0.04 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

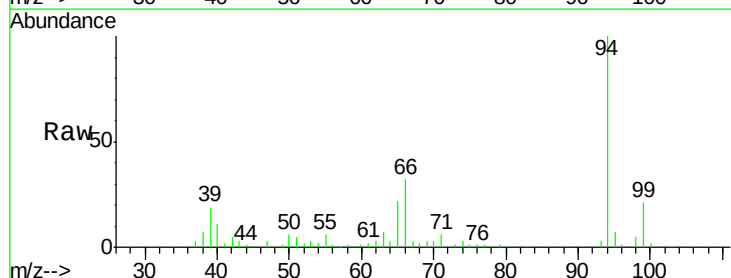
Tgt Ion: 94 Resp: 63373

Ion Ratio Lower Upper

94 100

65 22.5 9.9 49.9

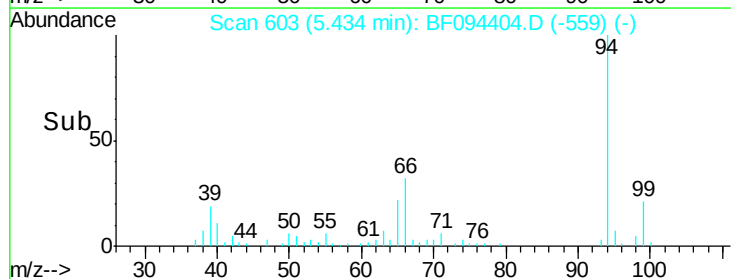
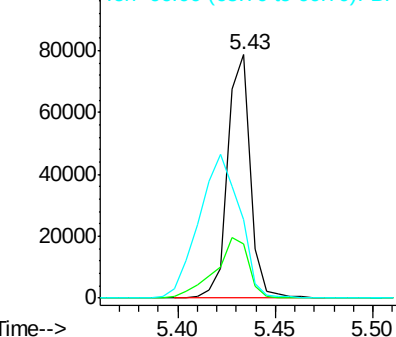
66 32.1 23.1 63.1

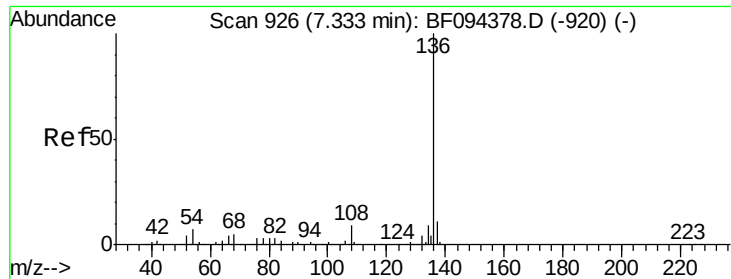


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

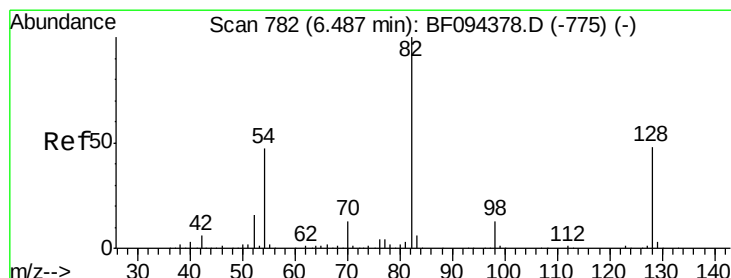
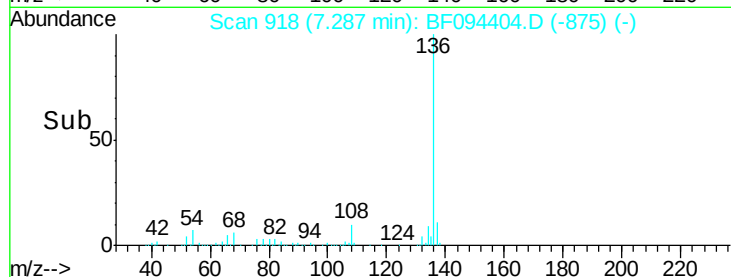
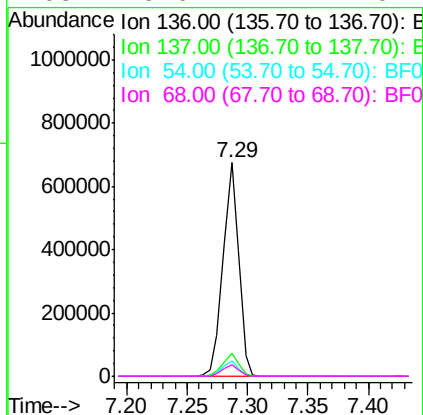
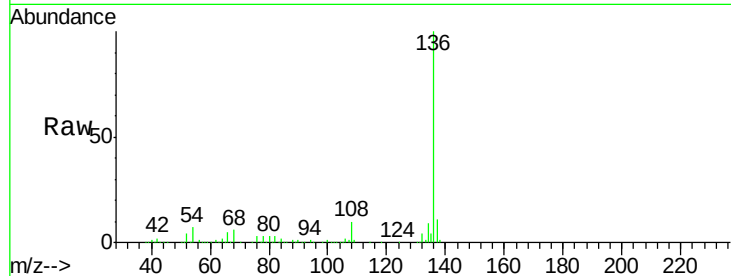
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		610132		
137	10.8		8.5	12.7	
54	7.3		4.9	7.3	
68	5.6		4.1	6.1	

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#23

Nitrobenzene-d5

Concen: 64.80 ng

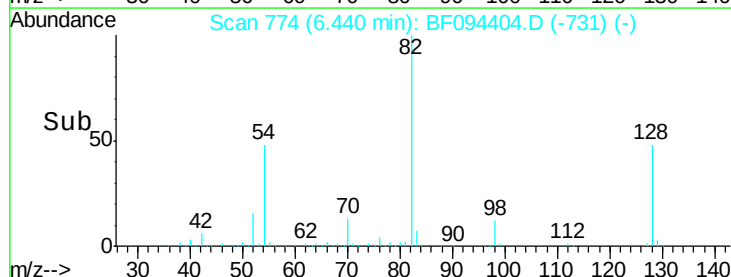
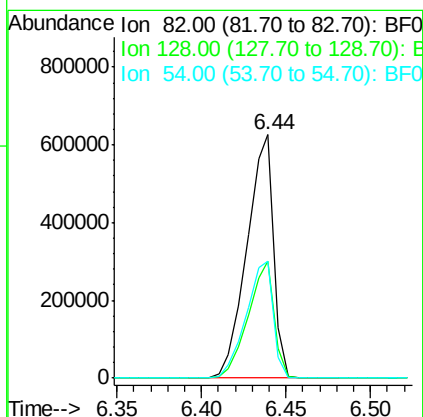
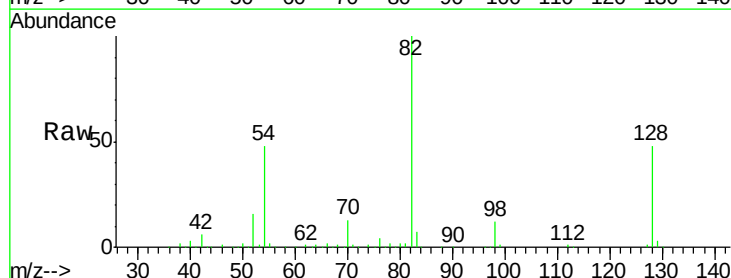
RT: 6.44 min Scan# 774

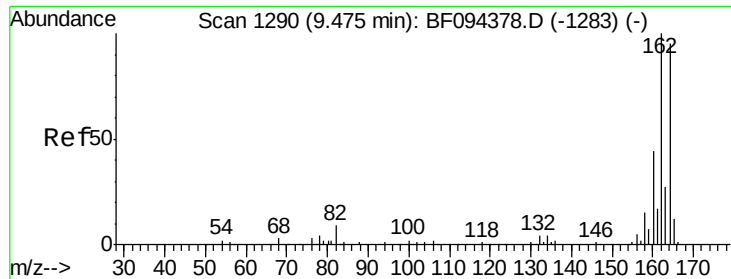
Delta R.T. -0.05 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		692744		
128	47.8		34.0	51.0	
54	48.1		42.2	63.2	





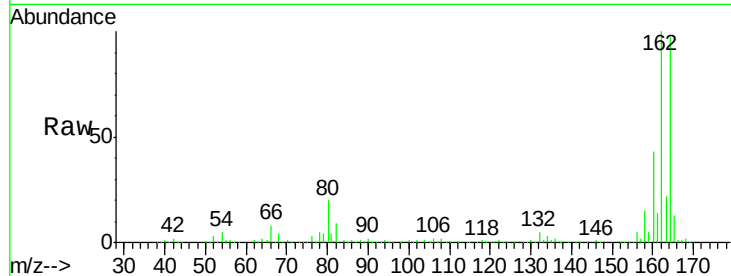
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMP

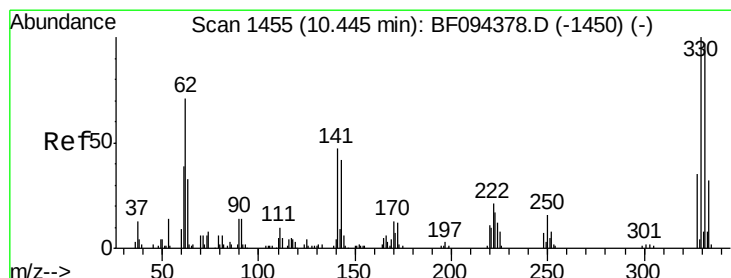
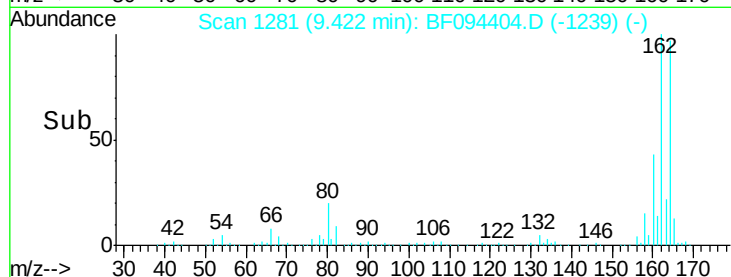
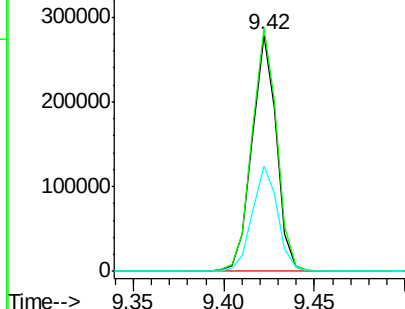
Tot Ion	Ratio	Resp	Lower	Upper
164	100	259564		
162	103.0		82.6	123.8
160	44.7		36.2	54.2

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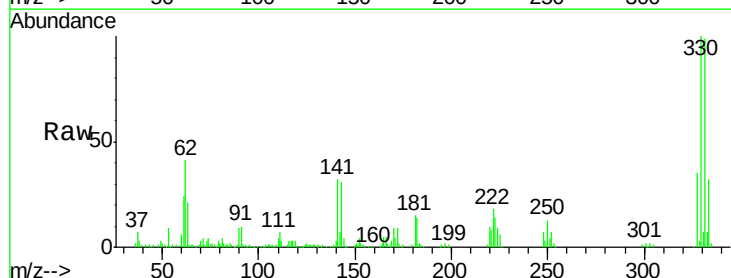


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

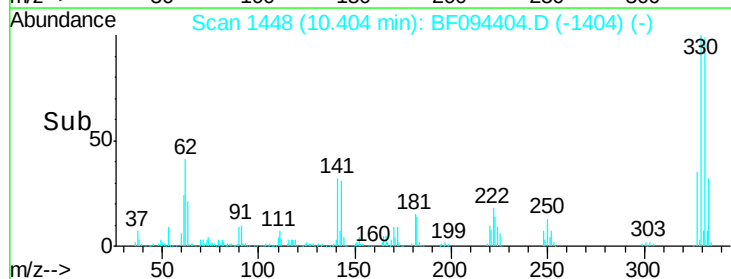
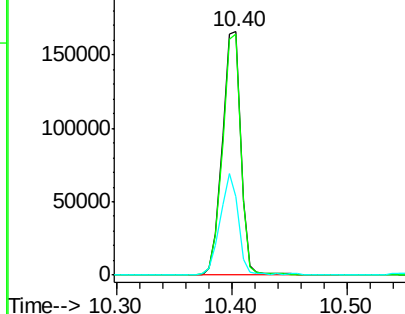


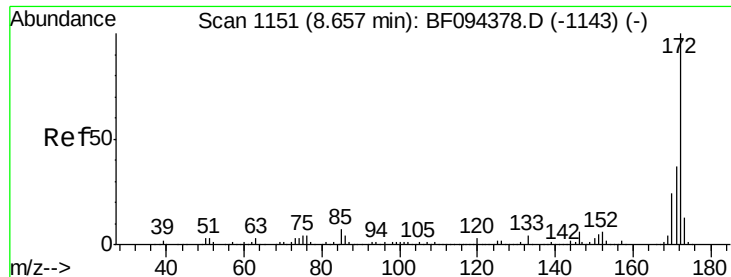
#41
 2,4,6-Tribromophenol
 Concen: 90.58 ng
 RT: 10.40 min Scan# 1448
 Delta R.T. -0.04 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	185786		
332	97.2		76.6	115.0
141	41.0		31.4	47.2



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





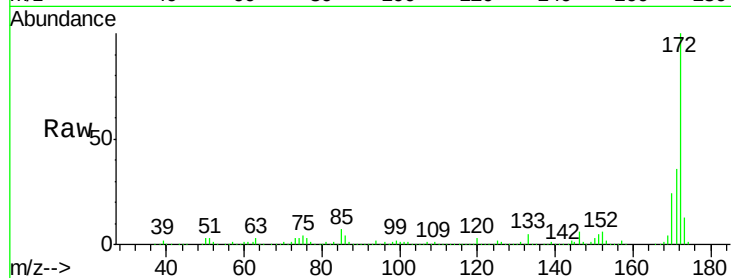
#44
2-Fluorobiphenyl
Concen: 63.89 ng
RT: 8.61 min Scan# 1143
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

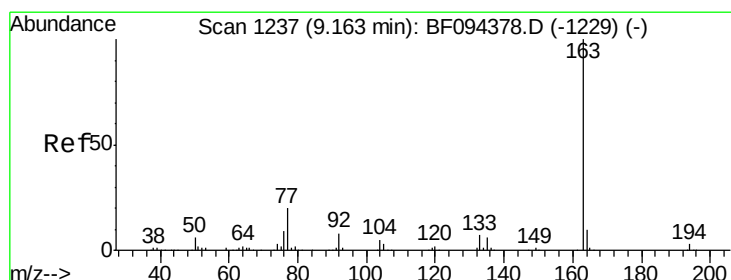
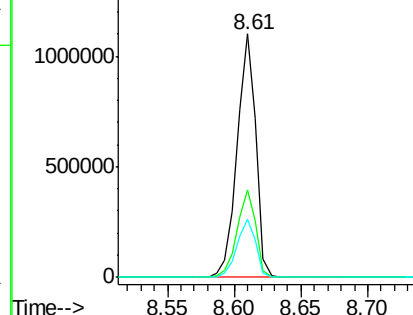
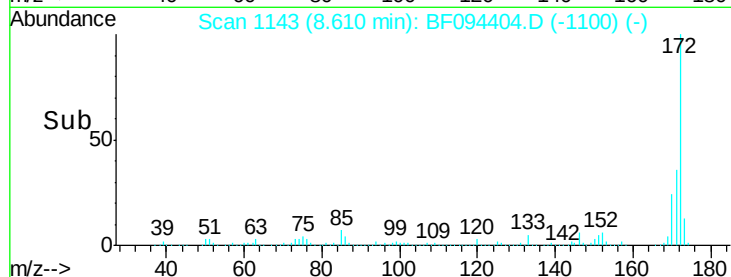
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.8	19.8	29.8

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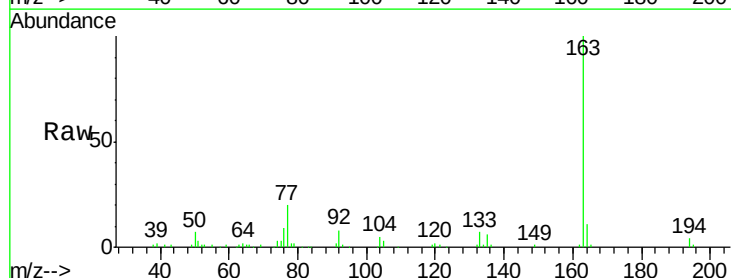


Abundance Ion 172.00 (171.70 to 172.70): E
1500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

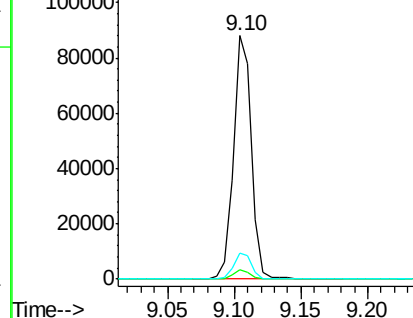
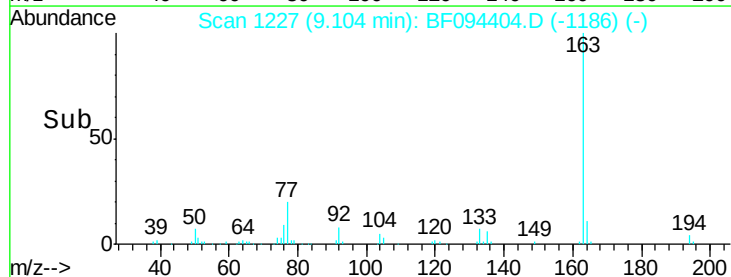


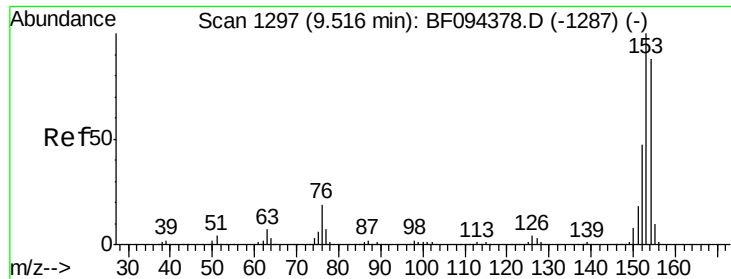
#49
Dimethylphthalate
Concen: 4.52 ng
RT: 9.10 min Scan# 1227
Delta R.T. -0.06 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.9	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
120000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.20 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

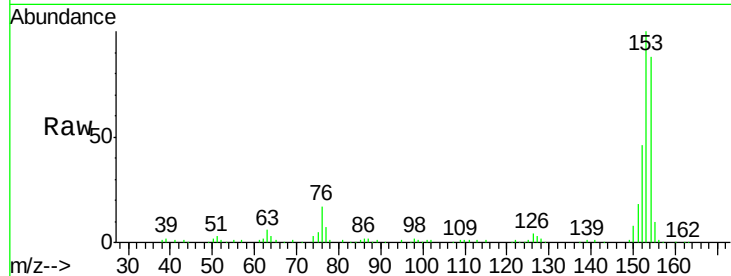
ClientSampleId :

AREA-2-COMP

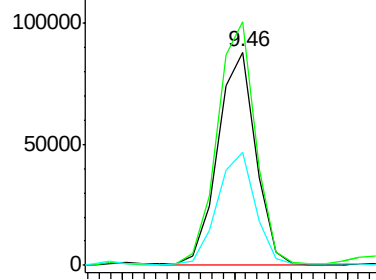
Tot Ion:	154	Resp:	82625
Ion Ratio	Lower	Upper	
154	100		
153	114.2	90.5	135.7
152	53.0	43.6	65.4

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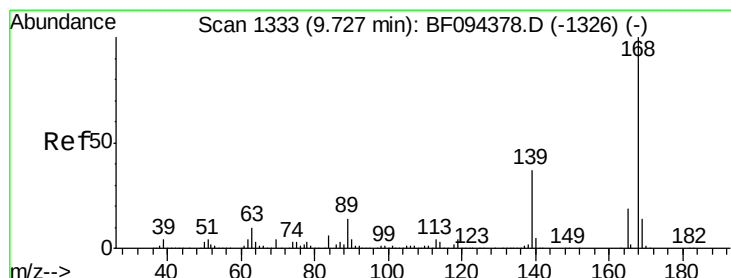
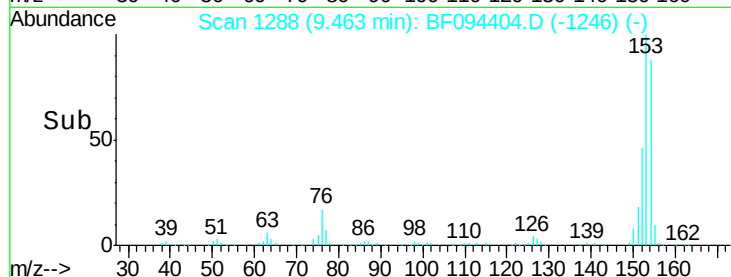
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#54

Dibenzofuran

Concen: 2.02 ng

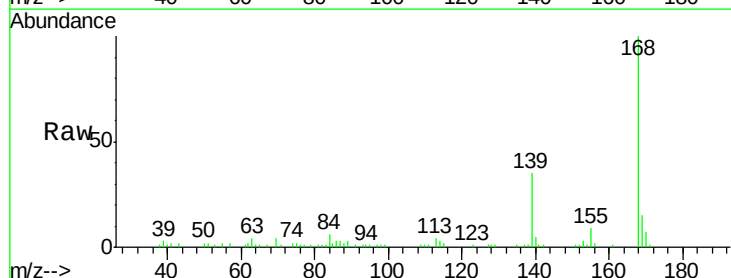
RT: 9.67 min Scan# 1324

Delta R.T. -0.05 min

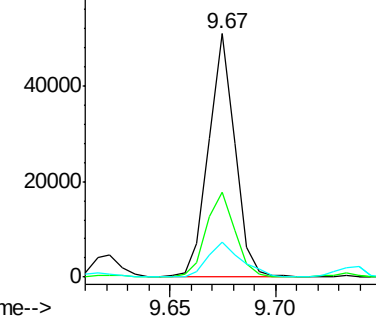
Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

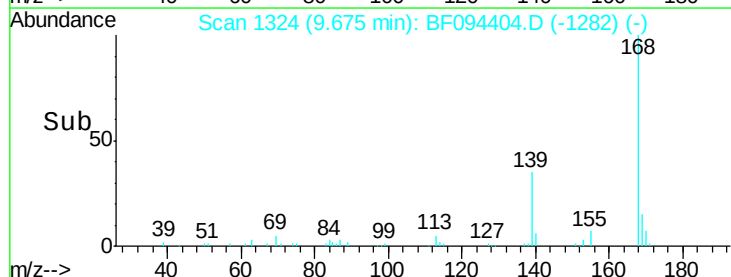
Tgt Ion:	168	Resp:	43782
Ion Ratio	Lower	Upper	
168	100		
139	35.0	30.6	45.8
169	14.6	10.8	16.2

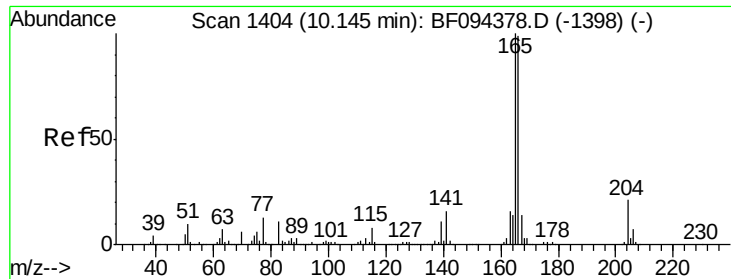


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





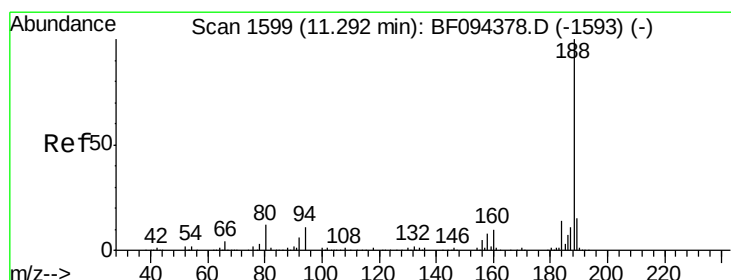
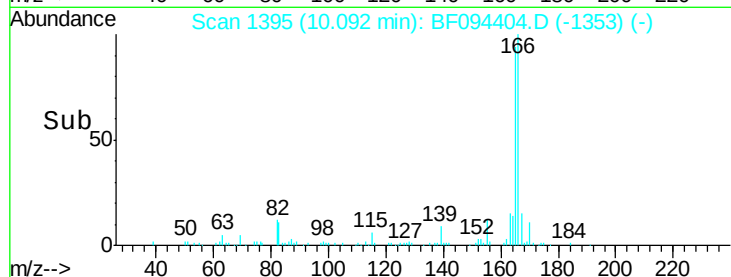
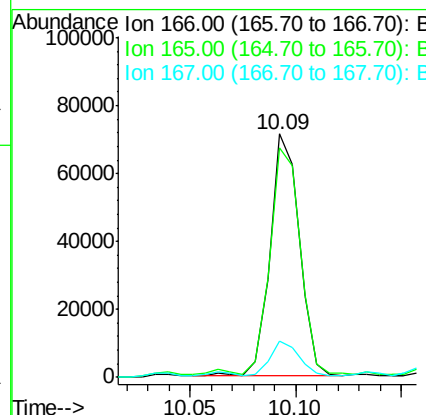
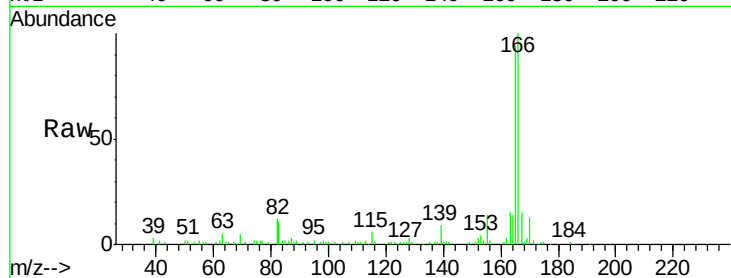
#57
 Fluorene
 Concen: 3.87 ng
 RT: 10.09 min Scan# 1395
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.1	78.8	118.2
167	15.0	10.6	16.0

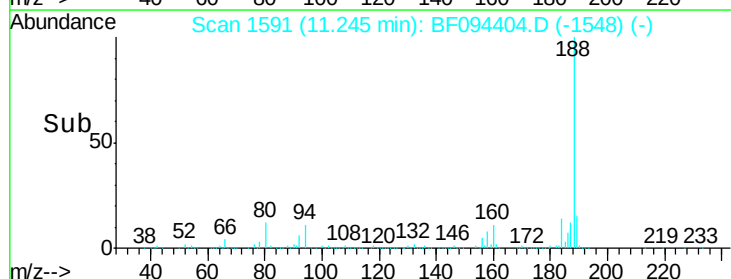
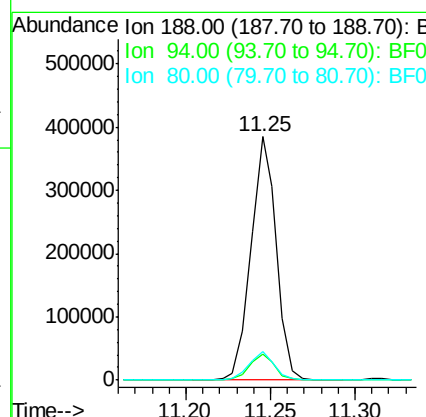
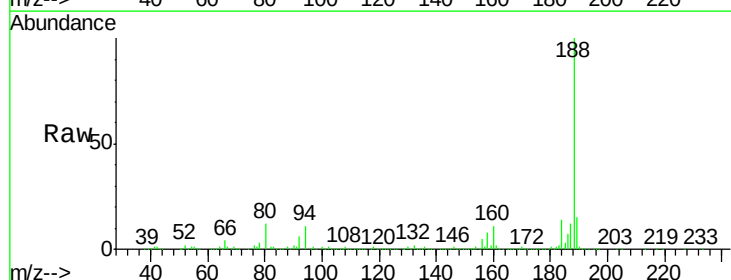
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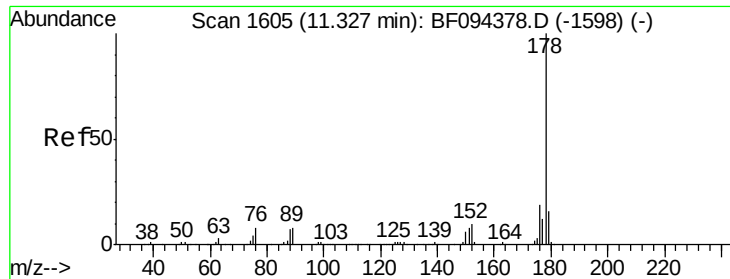
mohammad
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1591
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.9	10.2	15.2





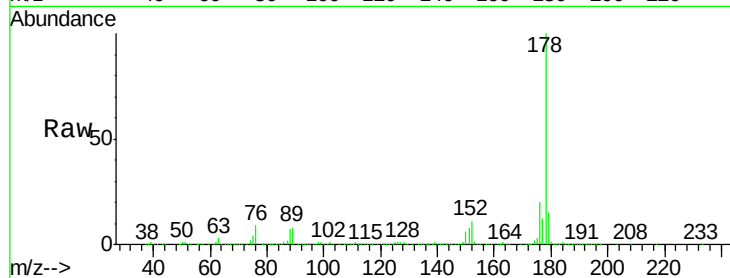
#70
Phenanthrene
Concen: 47.90 ng
RT: 11.28 min Scan# 1597
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampled :
AREA-2-COMP

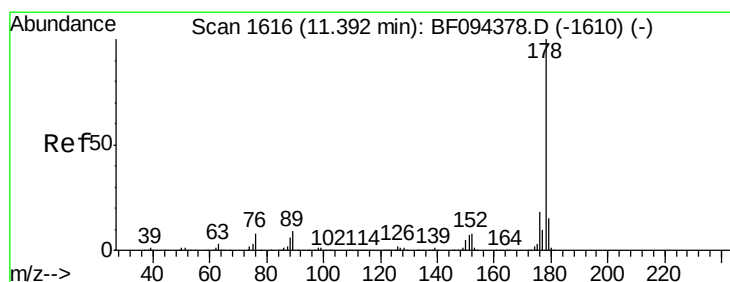
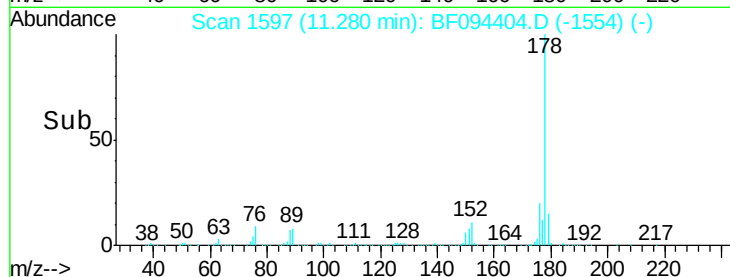
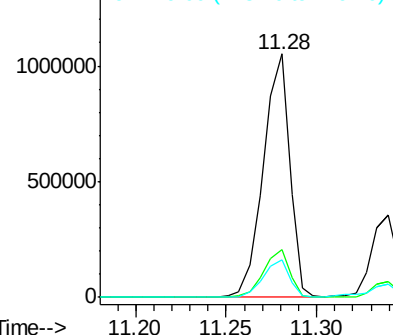
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.4	12.6	19.0

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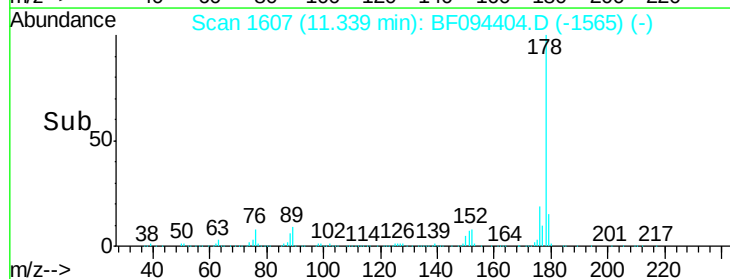
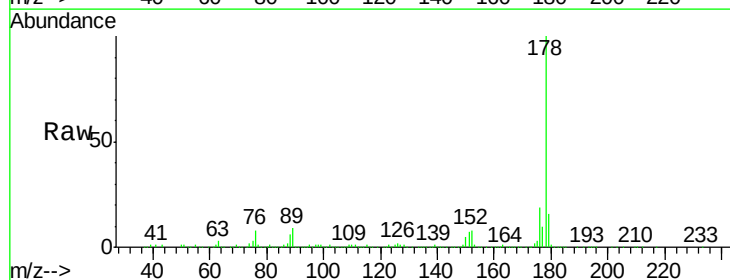
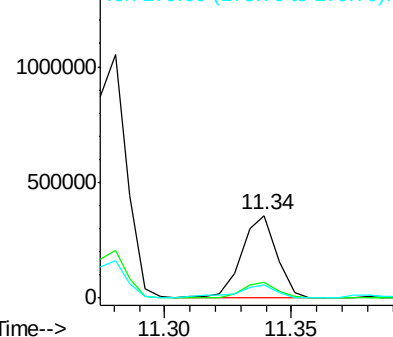
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

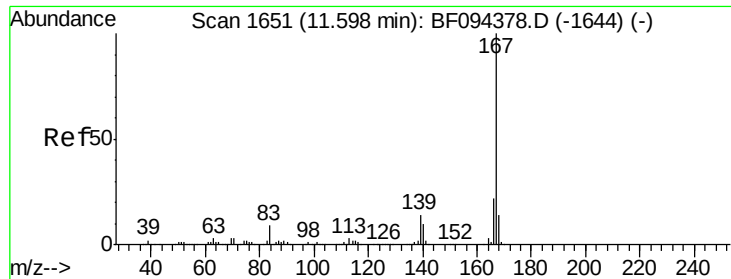


#71
Anthracene
Concen: 14.71 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.6	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





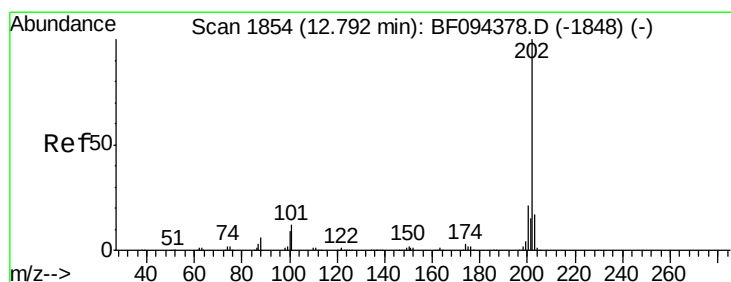
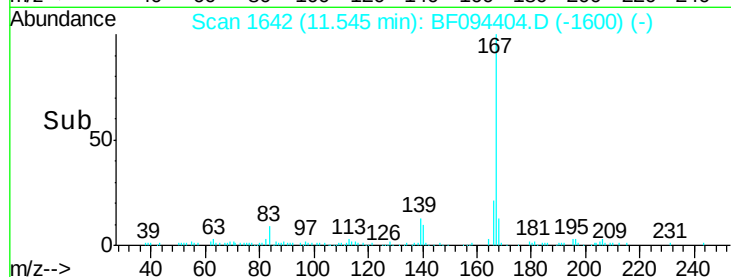
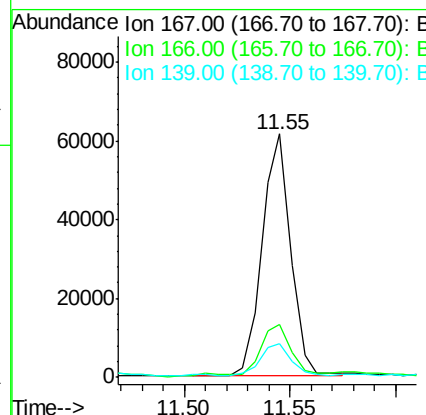
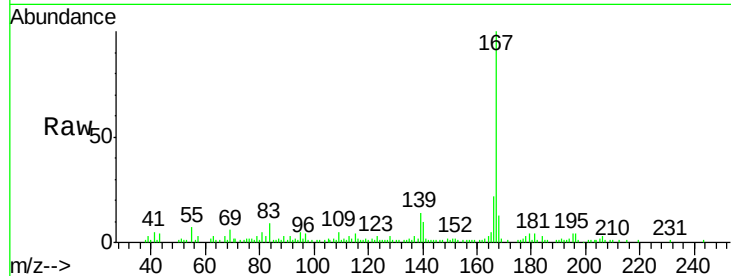
#72
 Carbazole
 Concen: 2.47 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.1	27.1
139	13.9	11.7	17.5

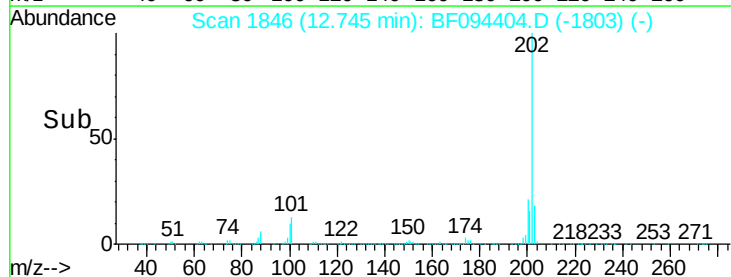
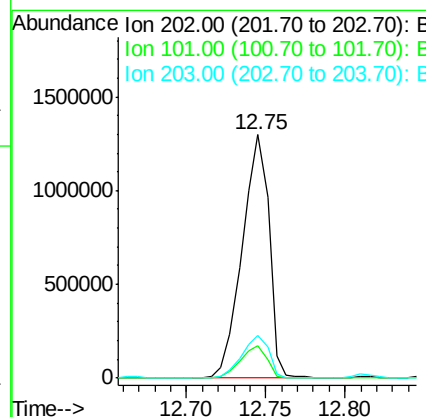
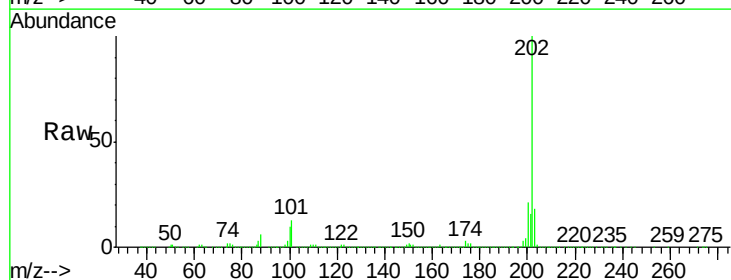
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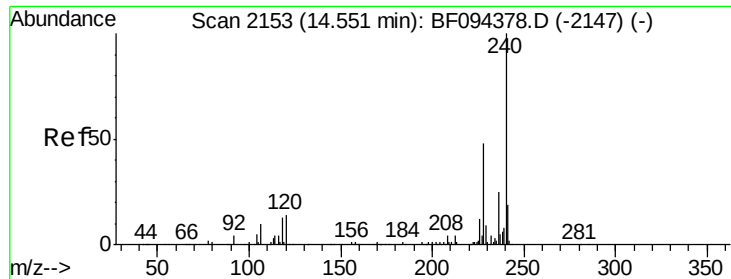
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#74
 Fluoranthene
 Concen: 66.66 ng
 RT: 12.75 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.50 min Scan# 2144

Delta R.T. -0.05 min

Lab File: BF094404.D

Acq: 13 Apr 2017 21:34

Instrument :

BNA_F

ClientSampleId :

AREA-2-COMP

Tot Ion:240 Resp: 279826
Ion Ratio Lower Upper

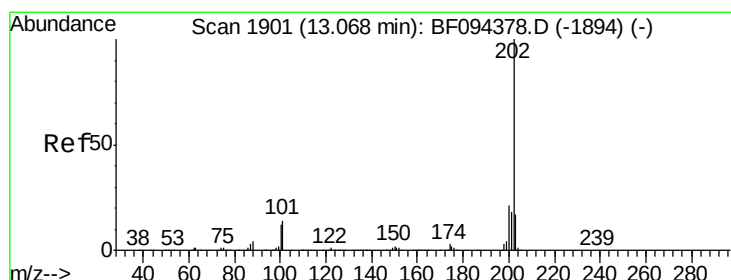
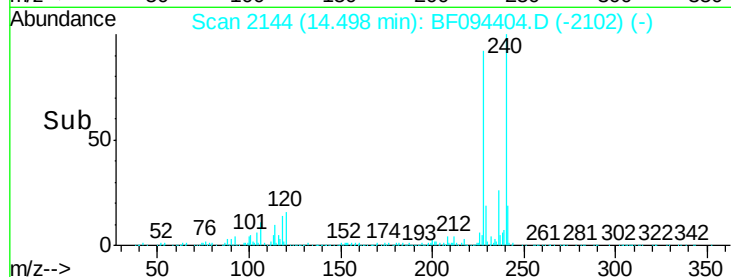
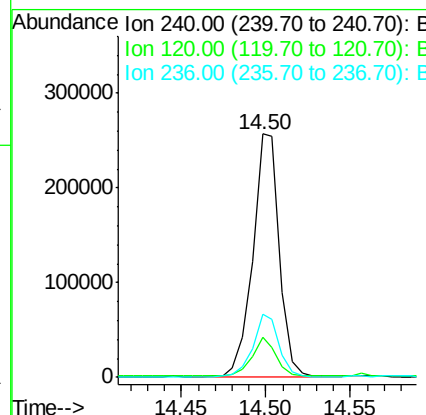
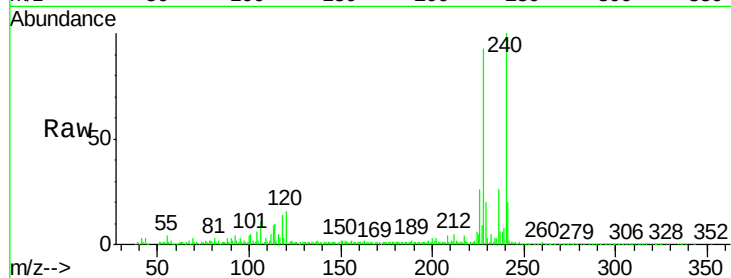
240 100

120 16.5 5.8 8.8#

236 26.2 20.5 30.7

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#77

Pyrene

Concen: 70.29 ng

RT: 13.02 min Scan# 1893

Delta R.T. -0.05 min

Lab File: BF094404.D

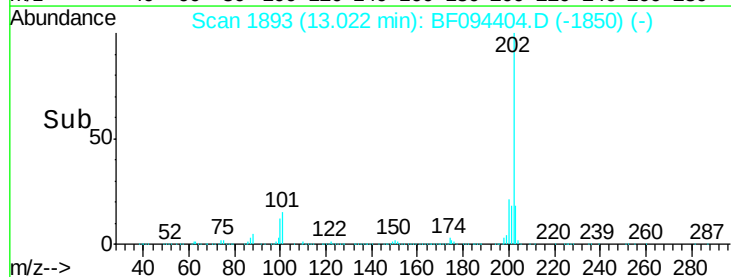
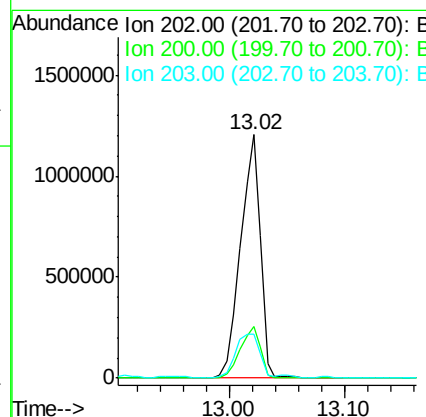
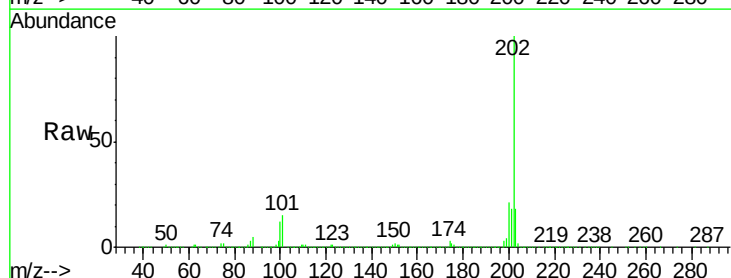
Acq: 13 Apr 2017 21:34

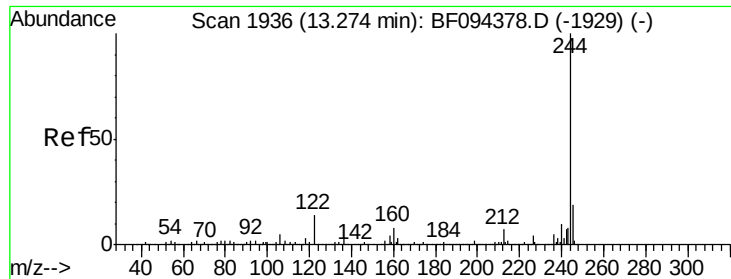
Tgt Ion:202 Resp: 1427391
Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

203 18.1 14.4 21.6





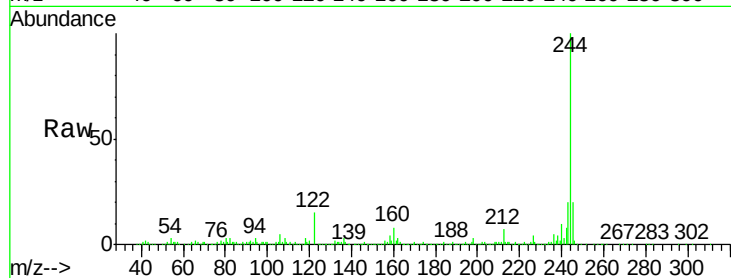
#78
 Terphenyl-d14
 Concen: 51.36 ng
 RT: 13.22 min Scan# 1927
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-COMP

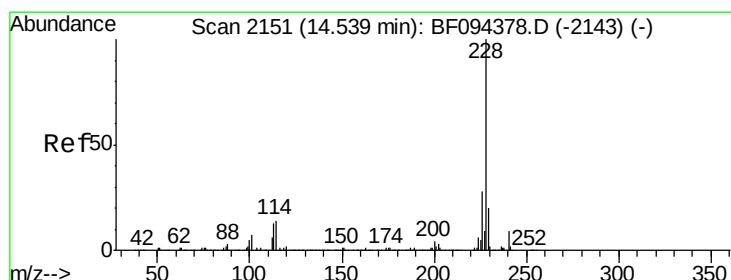
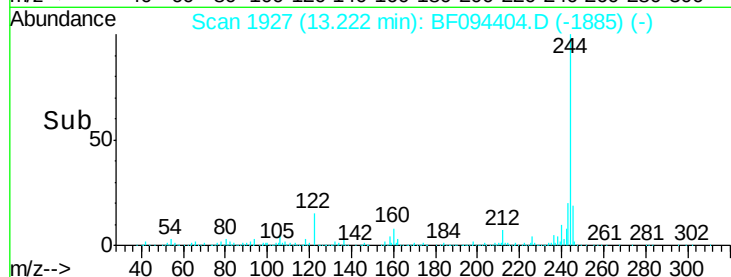
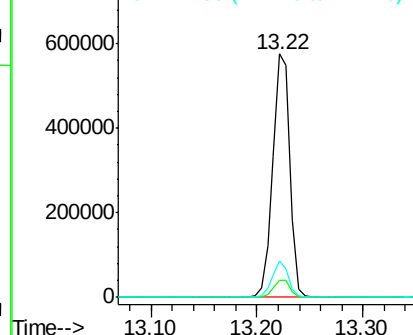
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.0	10.3	15.5

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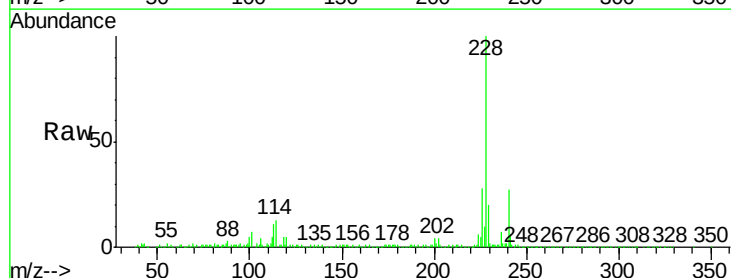


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

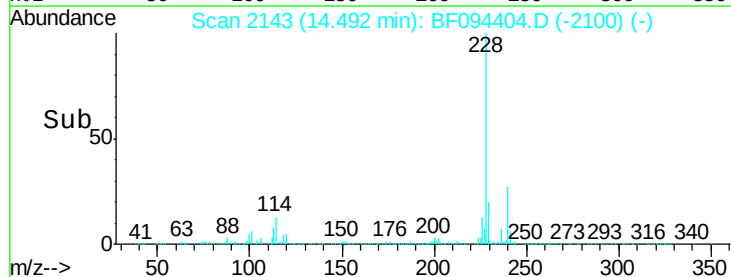
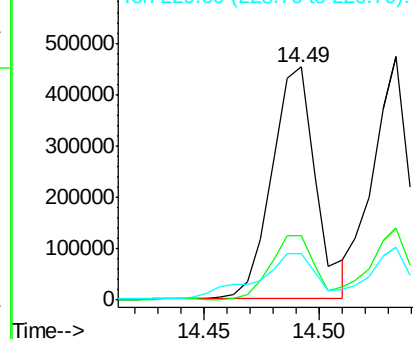


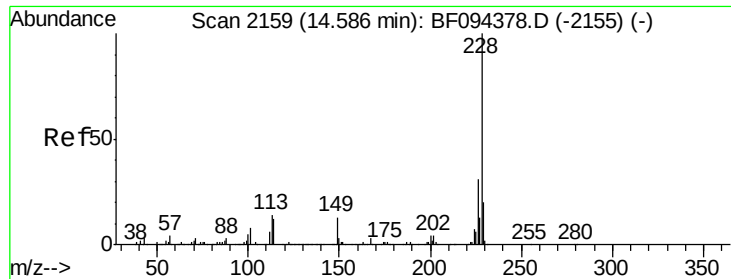
#80
 Benzo(a)anthracene
 Concen: 36.60 ng
 RT: 14.49 min Scan# 2143
 Delta R.T. -0.05 min
 Lab File: BF094404.D
 Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.1	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





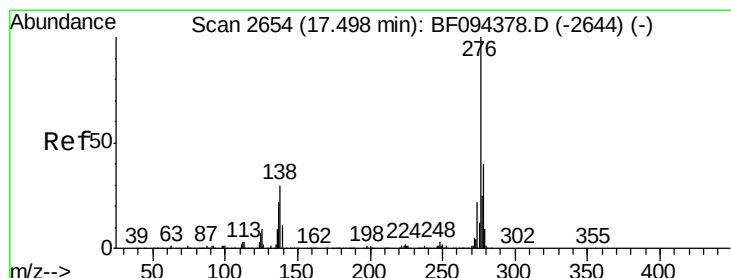
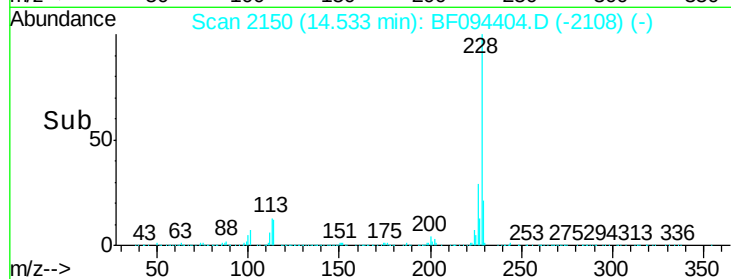
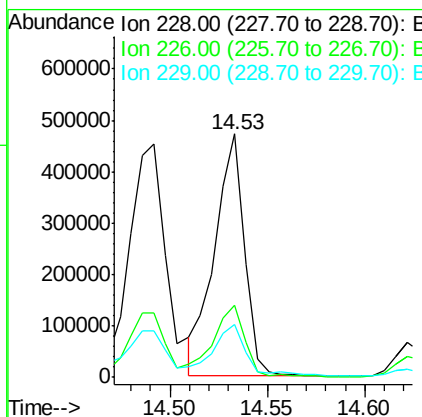
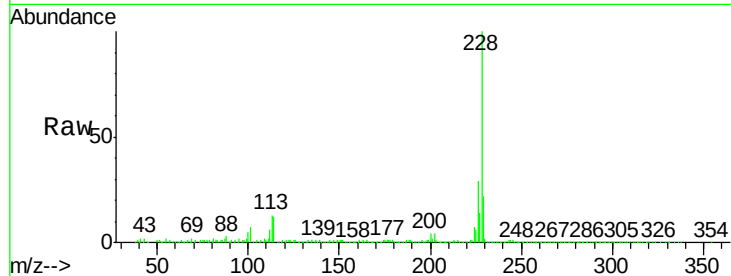
#82
Chrysene
Concen: 33.18 ng
RT: 14.53 min Scan# 2150
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	21.9	15.8	23.6

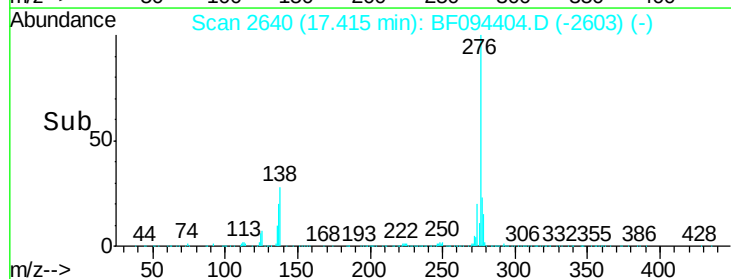
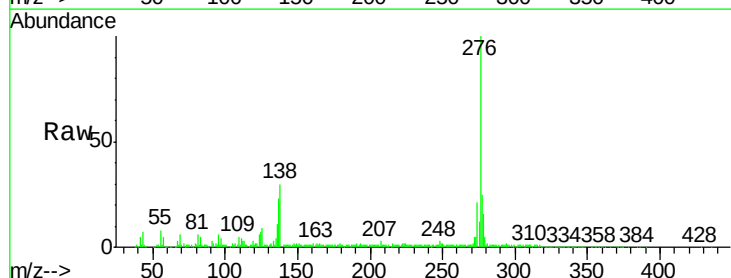
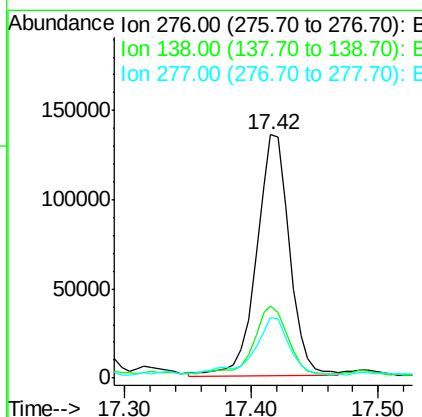
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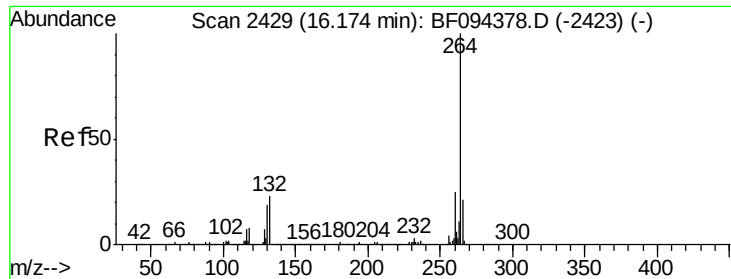
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.74 ng
RT: 17.42 min Scan# 2640
Delta R.T. -0.08 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	27.8	41.6
277	25.1	20.2	30.4





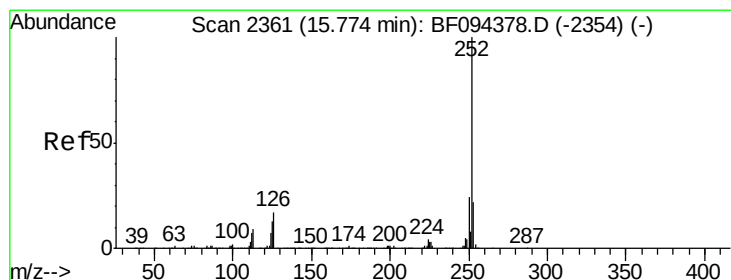
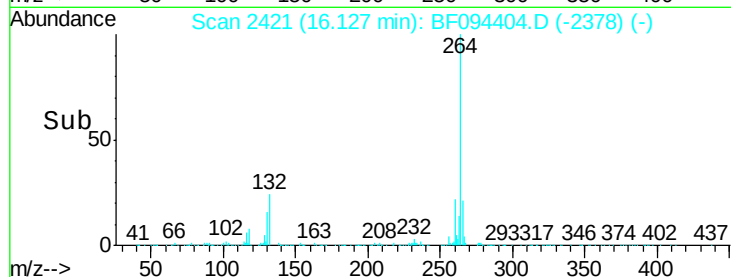
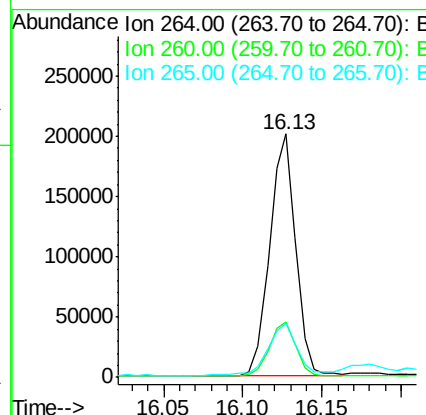
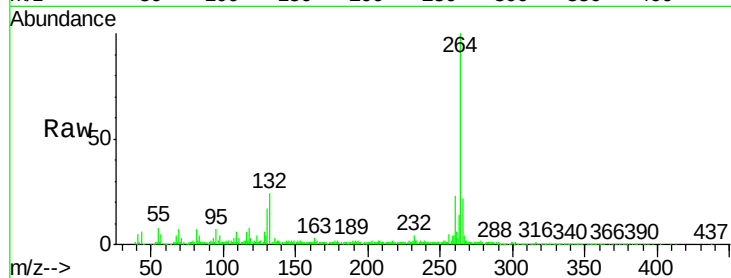
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.0	17.2	25.8

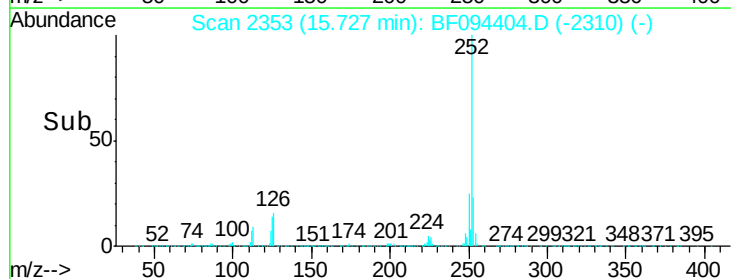
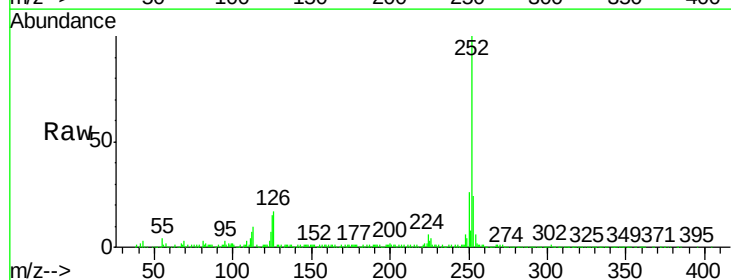
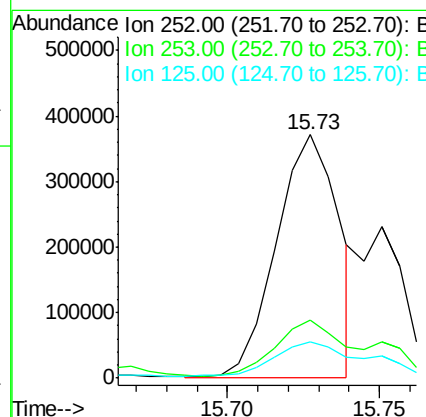
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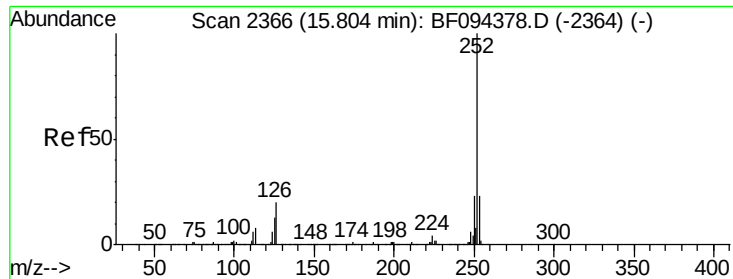
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#87
Benzo(b)fluoranthene
Concen: 37.45 ng m
RT: 15.73 min Scan# 2353
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.8	9.8	14.8#





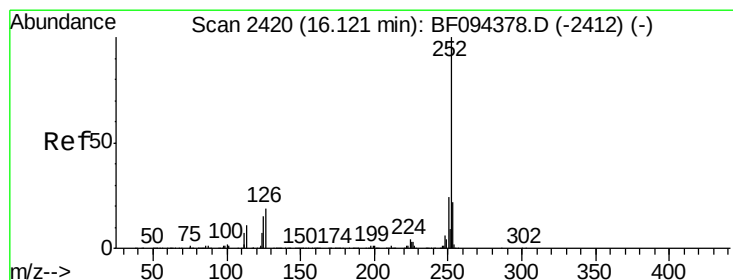
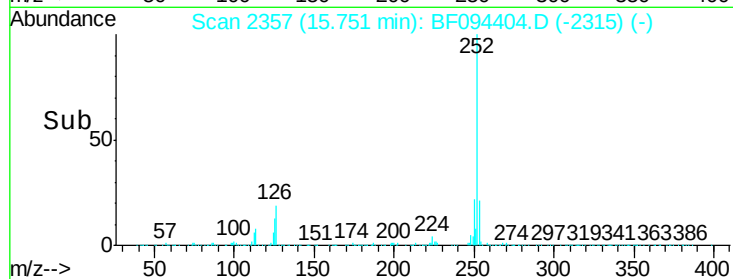
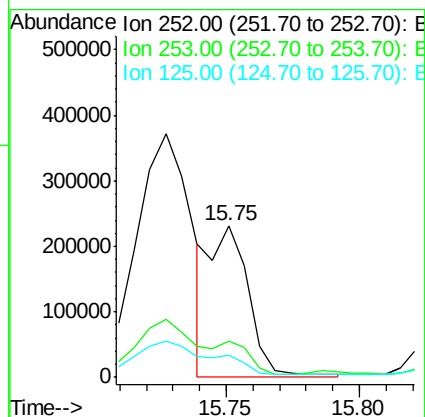
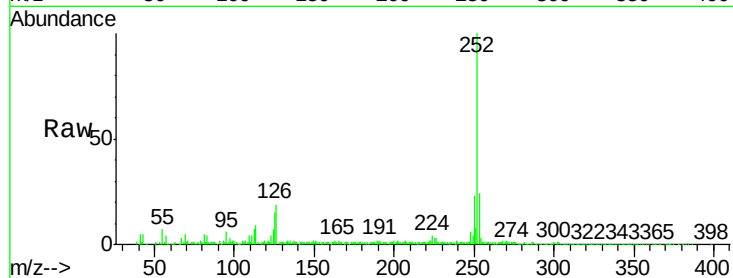
#88
Benzo(k)fluoranthene
Concen: 16.75 ng m
RT: 15.75 min Scan# 2357
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

Tot Ion:	252	Resp:	232438
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	14.5	13.1	19.7

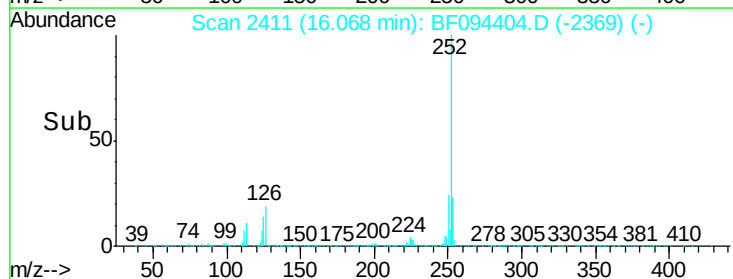
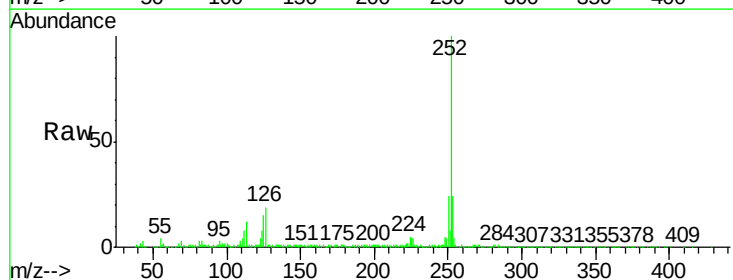
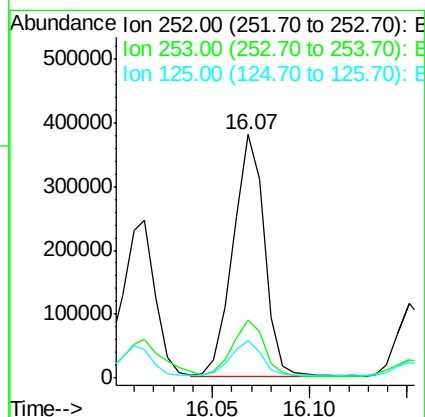
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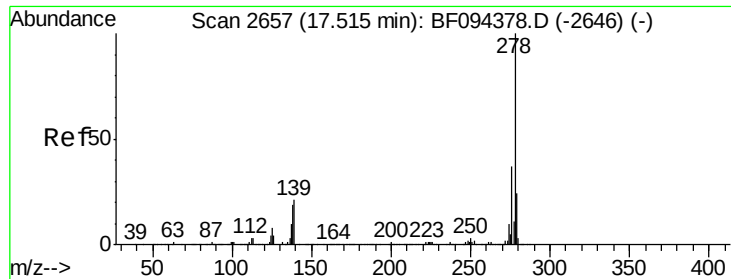
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#89
Benzo(a)pyrene
Concen: 32.50 ng
RT: 16.07 min Scan# 2411
Delta R.T. -0.05 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion:	252	Resp:	424557
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	15.2	11.0	16.4





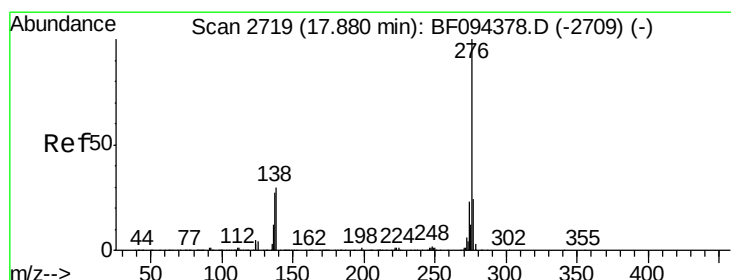
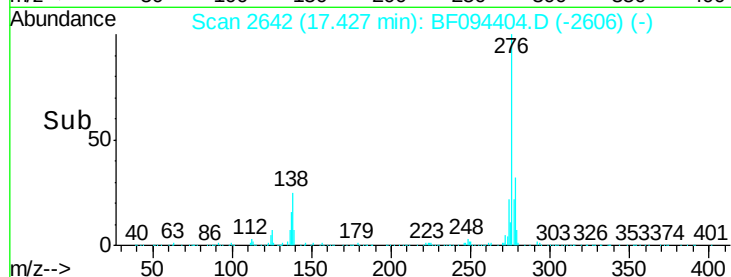
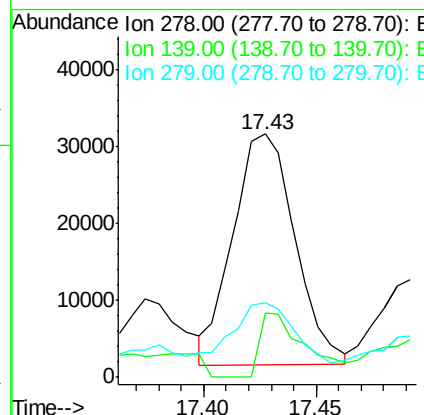
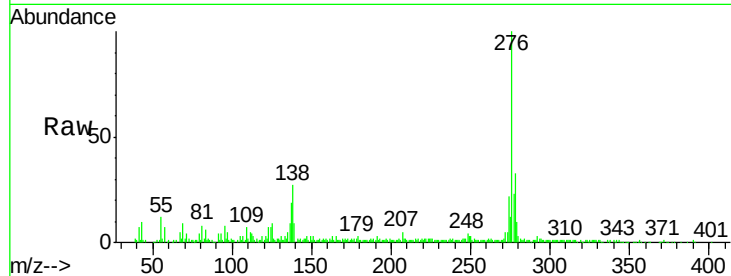
#90
Dibenzo(a,h)anthracene
Concen: 5.20 ng/mL
RT: 17.43 min Scan# 2642
Delta R.T. -0.09 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Instrument :
BNA_F
ClientSampleId :
AREA-2-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.6	24.8#
279	30.5	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 23.61 ng/mL
RT: 17.80 min Scan# 2705
Delta R.T. -0.08 min
Lab File: BF094404.D
Acq: 13 Apr 2017 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	30.6	25.4	38.0

