

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094382.D
 Acq On : 12 Apr 2017 8:24
 Operator : SJ/MA
 Sample : I2463-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-11-12-BASE

Manual Integrations
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Quant Time: Apr 12 10:58:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	117089	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	435027	20.00	ng	-0.04
38) Acenaphthene-d10	9.47	164	171471	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	275366	20.00	ng	-0.03
75) Chrysene-d12	14.54	240	232303	20.00	ng	-0.03
86) Perylene-d12	16.17	264	175374	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	779562	112.45	ng	-0.01
7) Phenol-d6	5.46	99	1077391	125.63	ng	0.00
23) Nitrobenzene-d5	6.47	82	689495	90.45	ng	-0.04
41) 2,4,6-Tribromophenol	10.45	330	104092	76.82	ng	-0.03
44) 2-Fluorobiphenyl	8.65	172	916592	81.53	ng	-0.04
78) Terphenyl-d14	13.27	244	544872	52.57	ng	-0.03
Target Compounds						
11) bis(2-Chloroethyl)ether	5.53	93	15490	2.03	ng	Qvalue 94
31) Naphthalene	7.35	128	134107	6.41	ng	99
48) Acenaphthylene	9.29	152	121152	6.73	ng	98
49) Dimethylphthalate	9.15	163	67011	5.50	ng	98
51) Acenaphthene	9.50	154	28565	2.72	ng	96
57) Fluorene	10.14	166	31448	2.65	ng	97
70) Phenanthrene	11.32	178	245067	16.00	ng	97
71) Anthracene	11.39	178	113265	7.18	ng	94
74) Fluoranthene	12.79	202	526690	33.58	ng	100
77) Pyrene	13.07	202	874187	51.85	ng	98
80) Benzo(a)anthracene	14.53	228	308953m	22.81	ng	
82) Chrysene	14.58	228	276492	21.99	ng	99
85) Indeno(1,2,3-cd)pyrene	17.49	276	159268	14.63	ng	95
87) Benzo(b)fluoranthene	15.77	252	349682m	32.53	ng	
88) Benzo(k)fluoranthene	15.80	252	92667m	8.81	ng	
89) Benzo(a)pyrene	16.12	252	345511	34.90	ng	99
90) Dibenzo(a,h)anthracene	17.50	278	33008m	3.94	ng	
91) Benzo(g,h,i)perylene	17.88	276	212431	25.14	ng	96

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

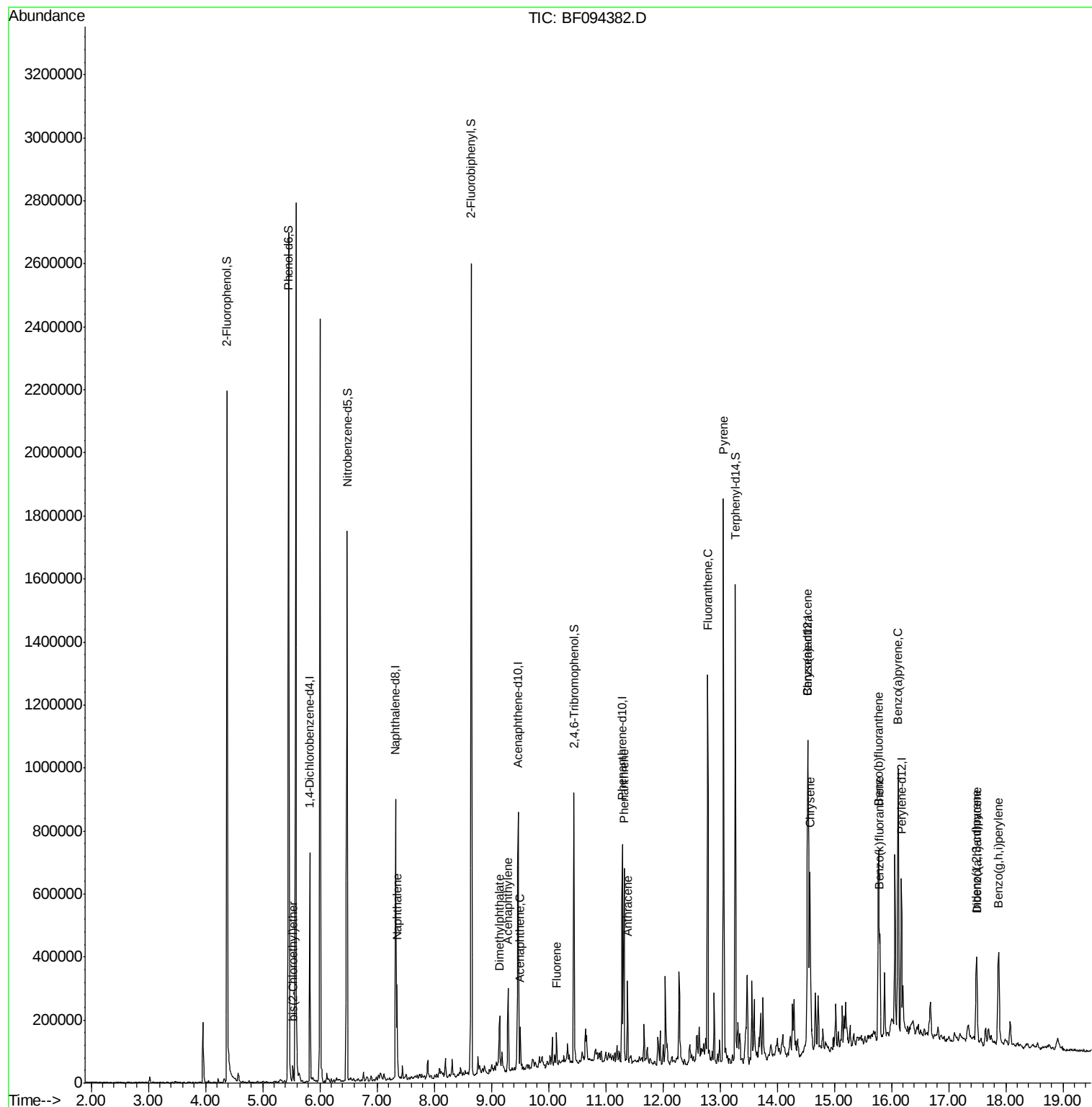
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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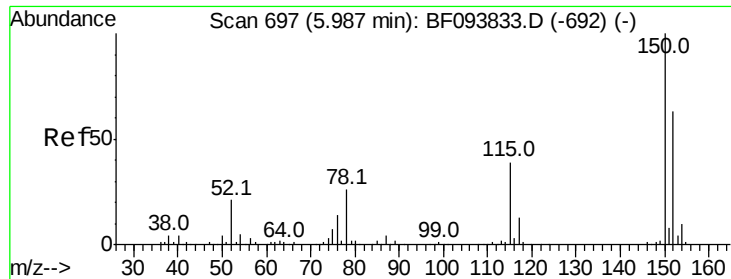
Instrument :
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#1

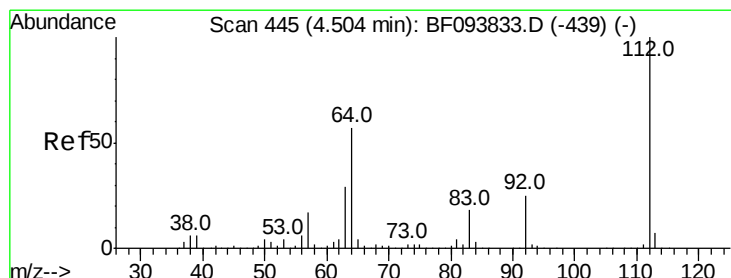
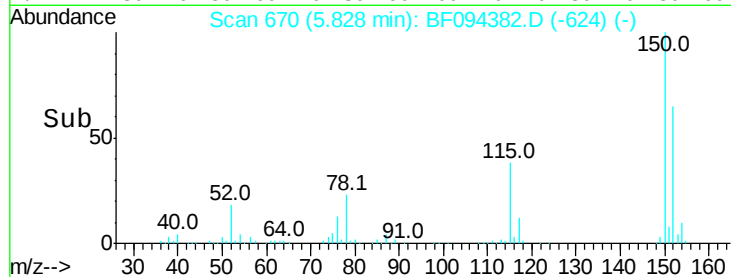
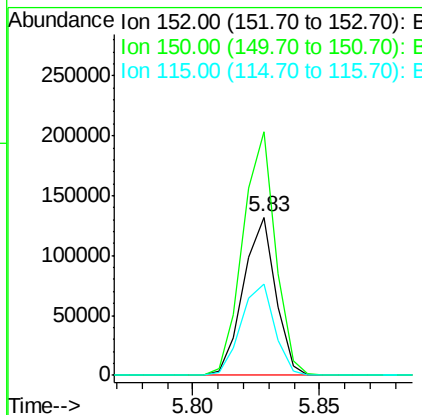
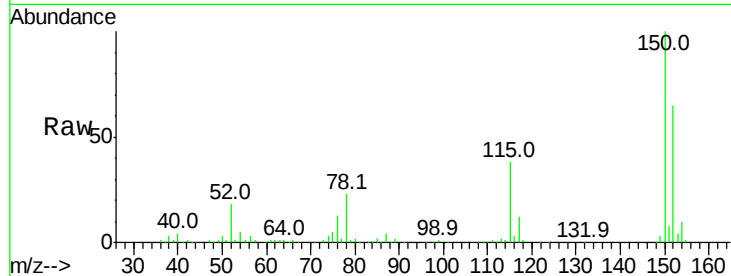
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	57.7	52.2	78.2

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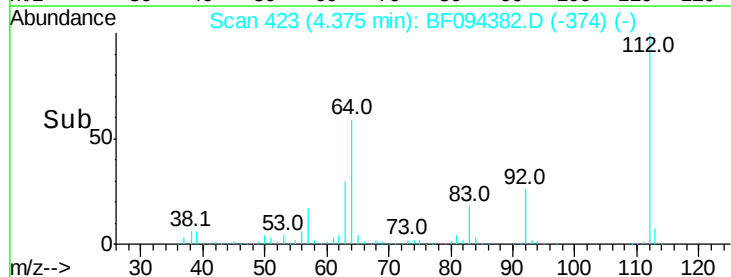
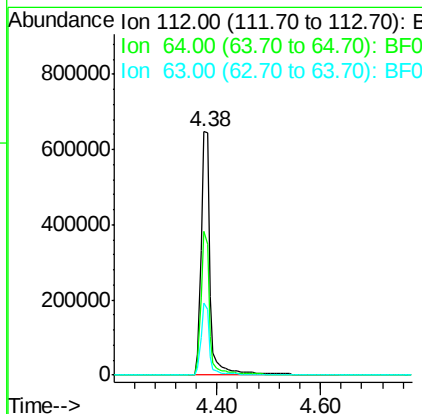
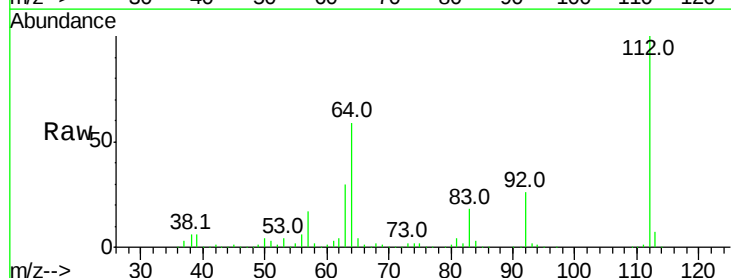
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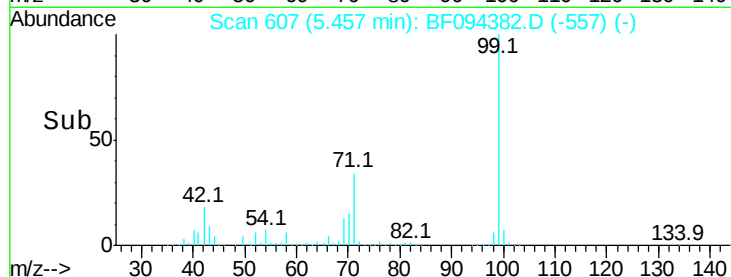
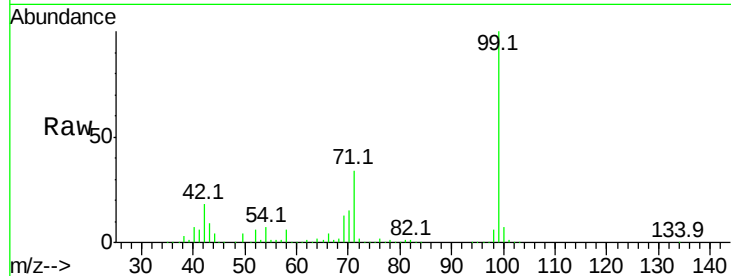
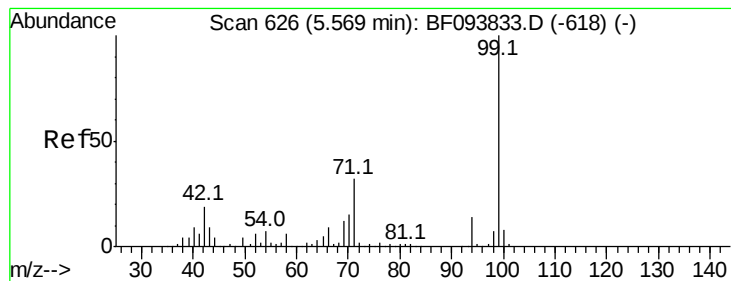


#5

2-Fluorophenol
Concen: 112.45 ng
RT: 4.38 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.0	69.0
63	29.7	23.4	35.0





#7

Phenol-d6

Concen: 125.63 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Tot Ion: 99 Resp: 1077391

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 33.7 24.5 36.7

Instrument :

BNA_F

ClientSampleId :

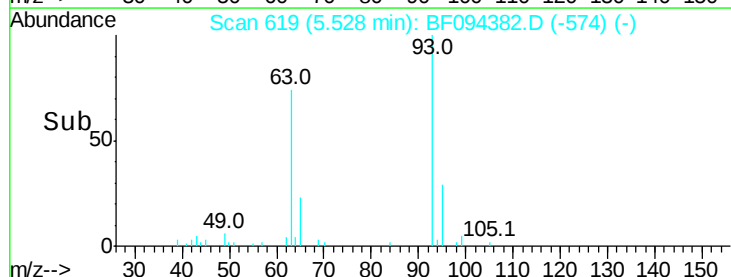
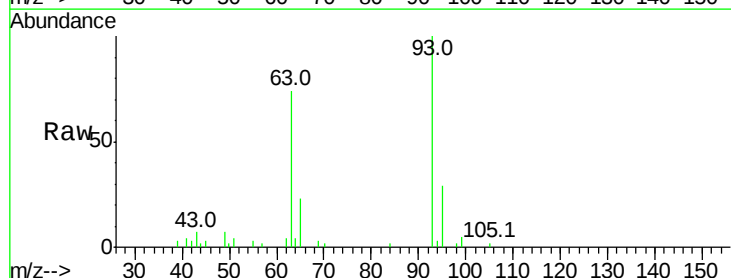
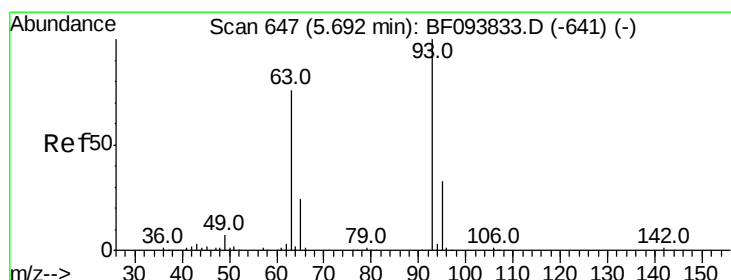
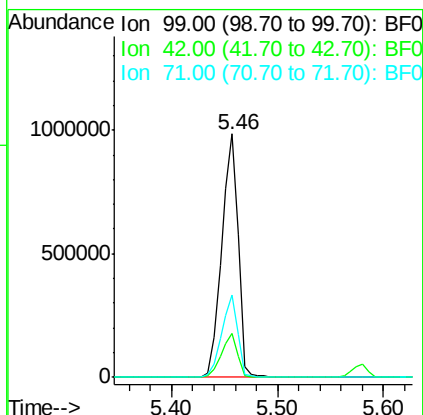
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#11

bis(2-Chloroethyl)ether

Concen: 2.03 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

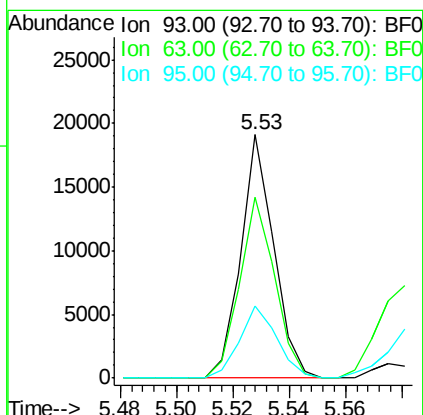
Tgt Ion: 93 Resp: 15490

Ion Ratio Lower Upper

93 100

63 74.2 59.2 99.2

95 29.5 12.8 52.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Instrument :

BNA_F

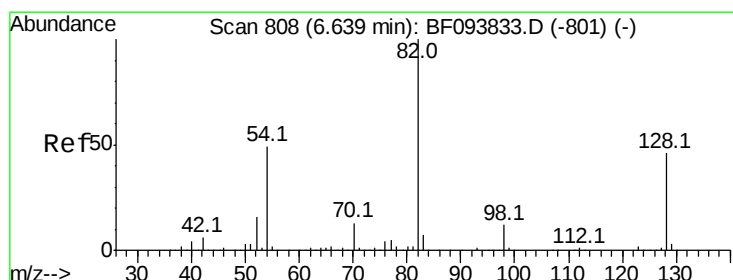
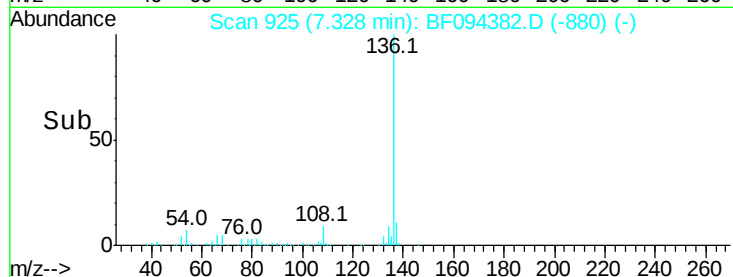
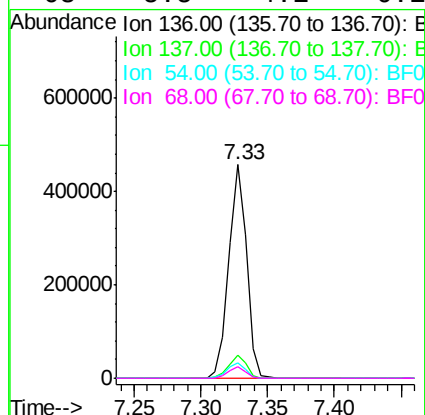
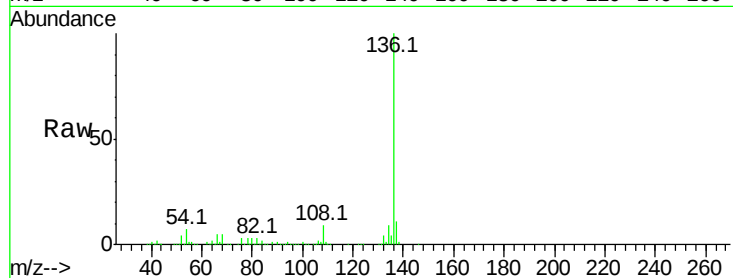
ClientSampleId :

E2-R-Q-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.2	4.9	7.3	
68	5.5	4.1	6.1	

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#23

Nitrobenzene-d5

Concen: 90.45 ng

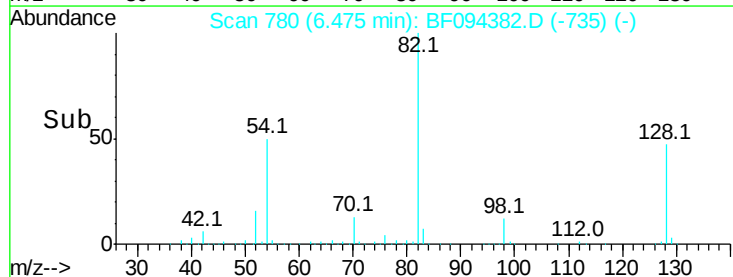
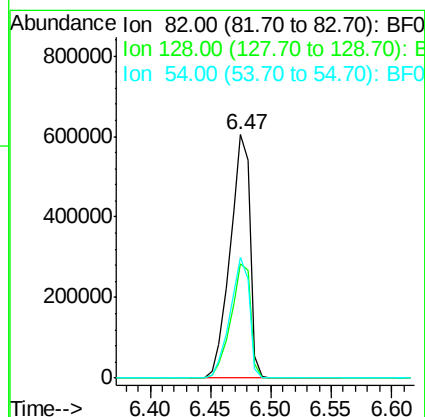
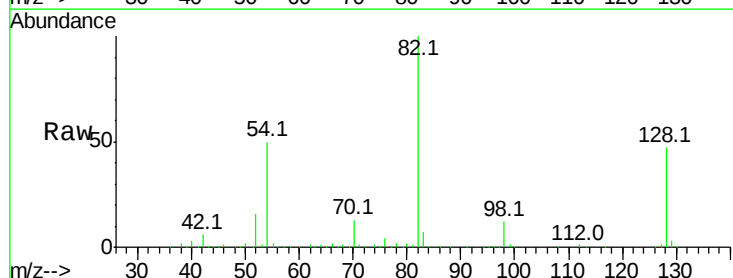
RT: 6.47 min Scan# 780

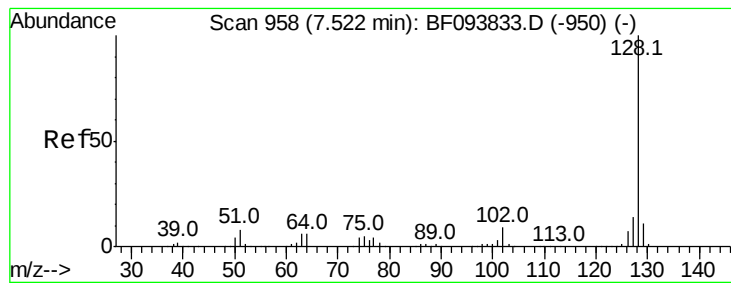
Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.0	34.0	51.0	
54	49.6	42.2	63.2	





#31

Naphthalene

Concen: 6.41 ng

RT: 7.35 min Scan# 929

Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Instrument :

BNA_F

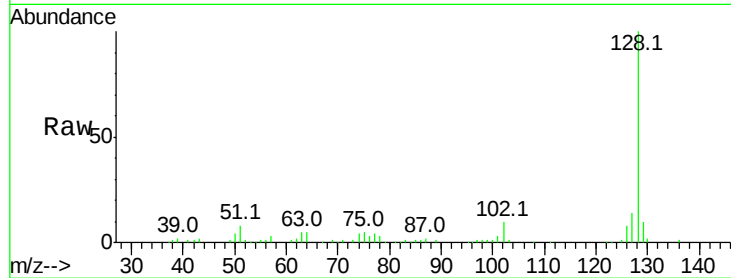
ClientSampleId :

E2-R-Q-11-12-BASE

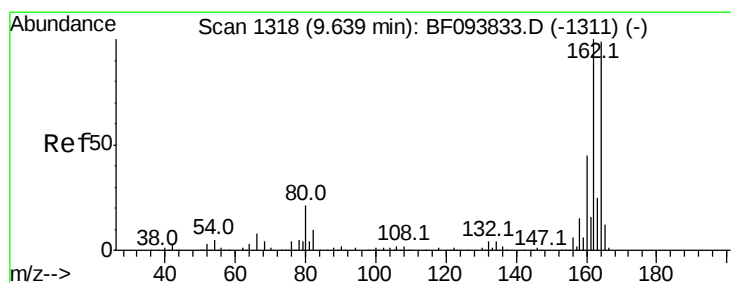
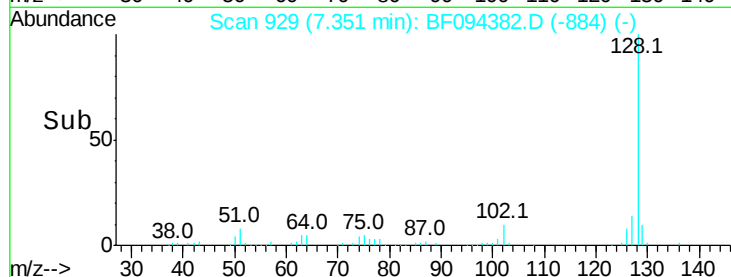
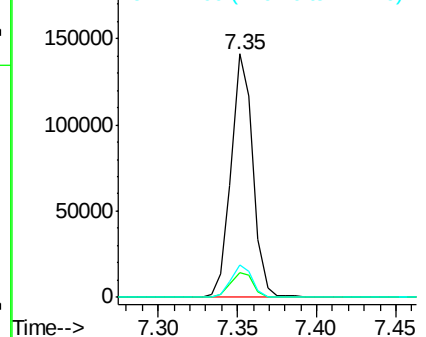
Tot Ion:128	Resp:	134107
Ion Ratio	Lower	Upper
128 100		
129 10.4	9.0	13.6
127 13.6	10.8	16.2

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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



#38

Acenaphthene-d10

Concen: 20.00 ng

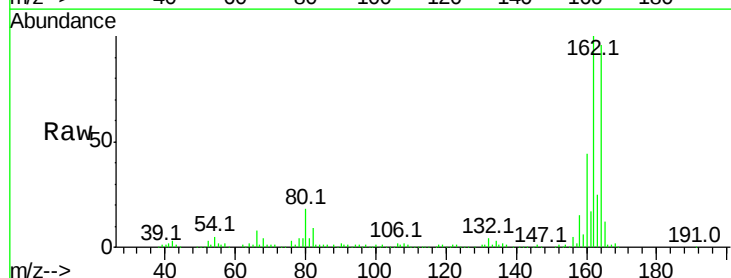
RT: 9.47 min Scan# 1289

Delta R.T. -0.03 min

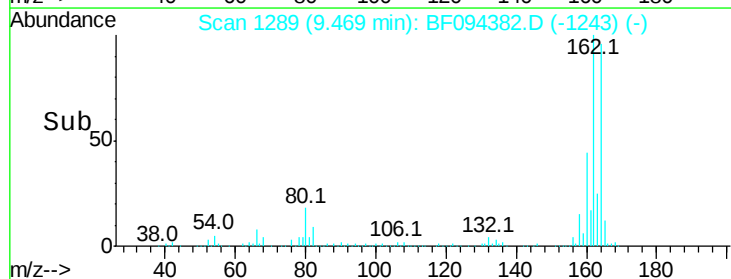
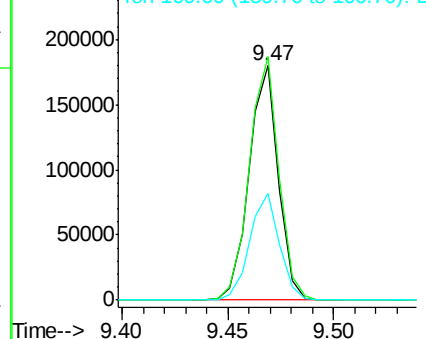
Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Tgt Ion:164	Resp:	171471
Ion Ratio	Lower	Upper
164 100		
162 104.0	82.6	123.8
160 45.5	36.2	54.2



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





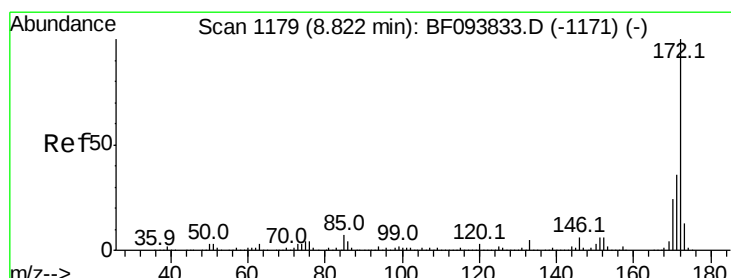
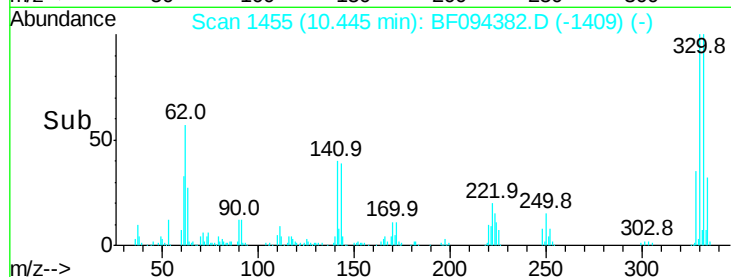
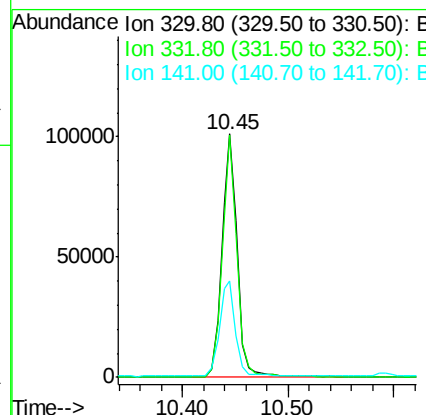
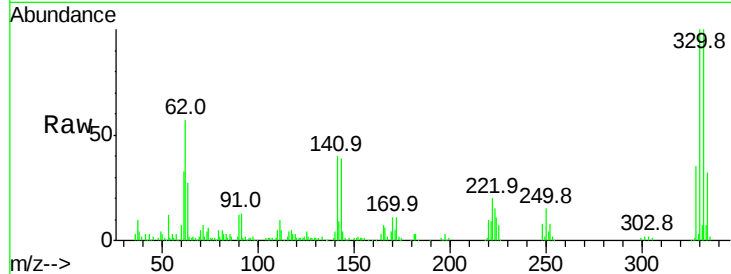
#41
 2,4,6-Tribromophenol
 Concen: 76.82 ng
 RT: 10.45 min Scan# 1455
 Delta R.T. -0.03 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.6	115.0	
141	40.5	31.4	47.2	

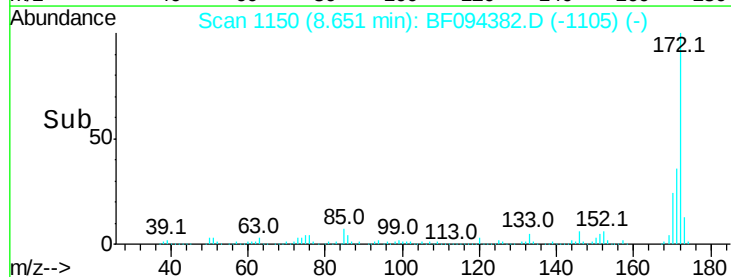
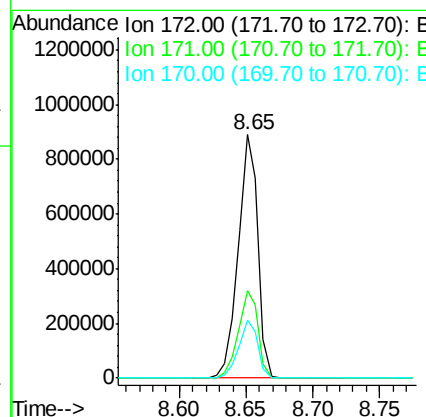
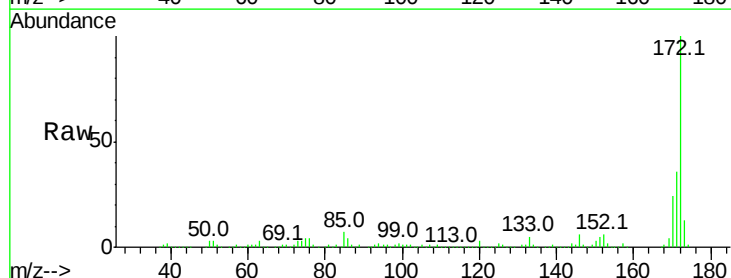
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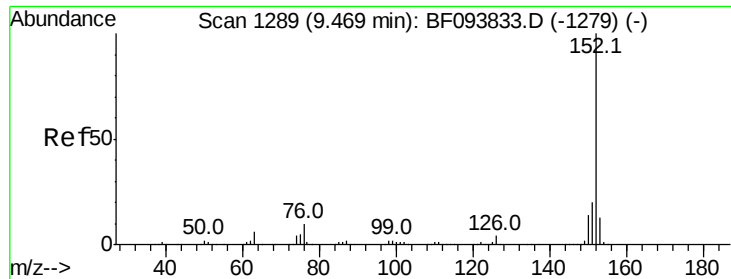
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#44
 2-Fluorobiphenyl
 Concen: 81.53 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.6	44.4	
170	23.9	19.8	29.8	





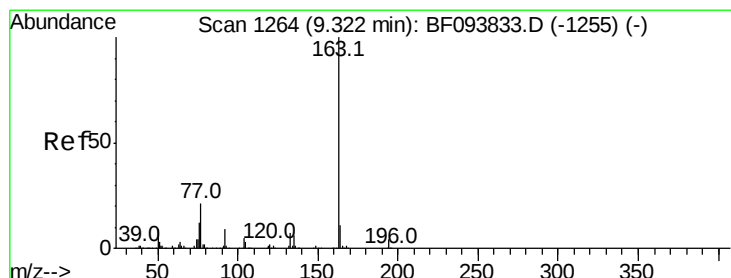
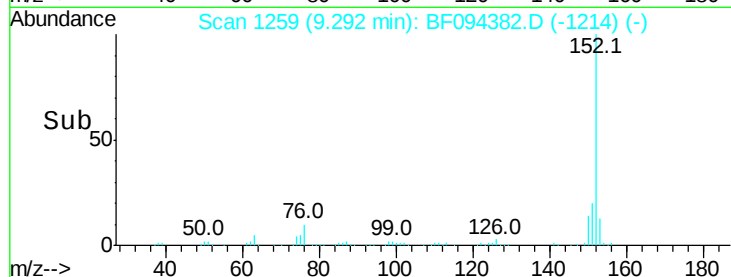
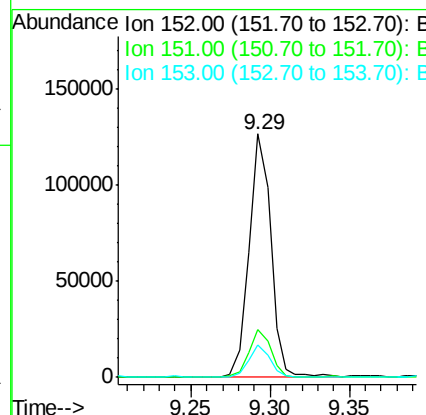
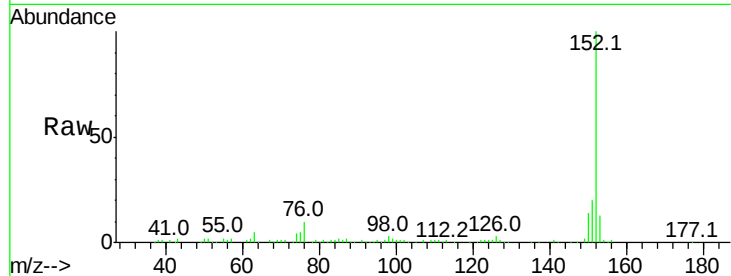
#48
Acenaphthylene
Concen: 6.73 ng
RT: 9.29 min Scan# 1259
Delta R.T. -0.04 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.6	16.8	25.2
153	13.4	10.8	16.2

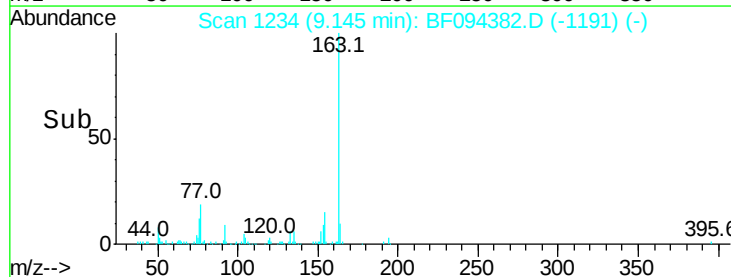
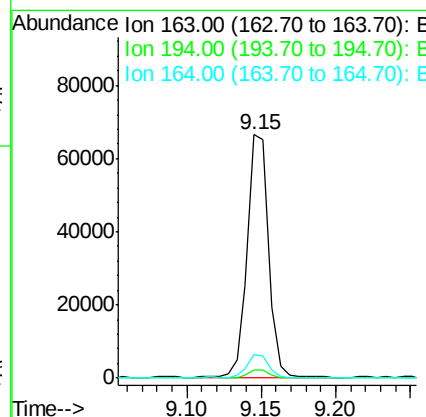
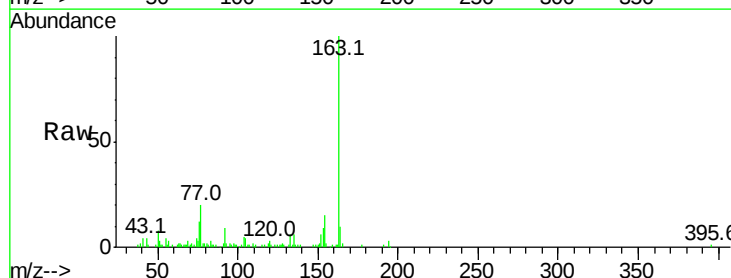
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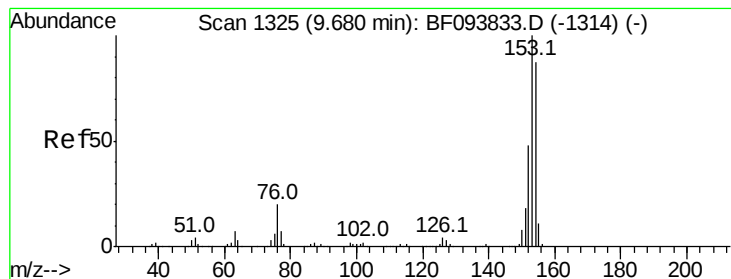
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#49
Dimethylphthalate
Concen: 5.50 ng
RT: 9.15 min Scan# 1234
Delta R.T. -0.05 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	9.5	8.4	12.6





#51

Acenaphthene

Concen: 2.72 ng

RT: 9.50 min Scan# 1295

Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Instrument :

BNA_F

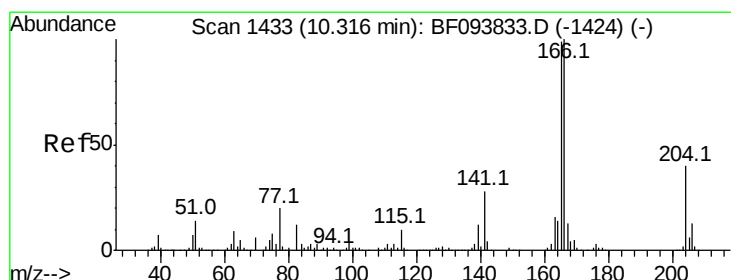
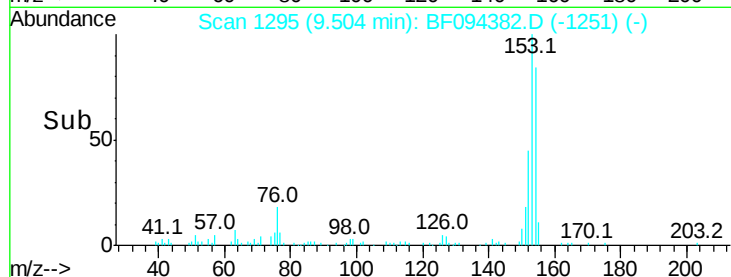
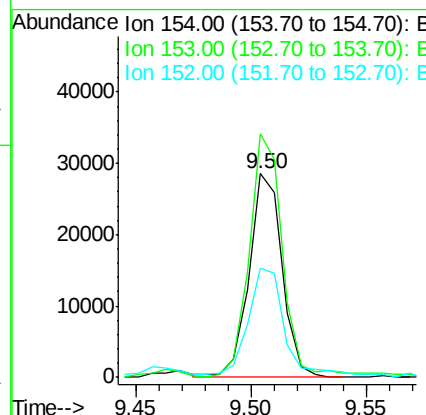
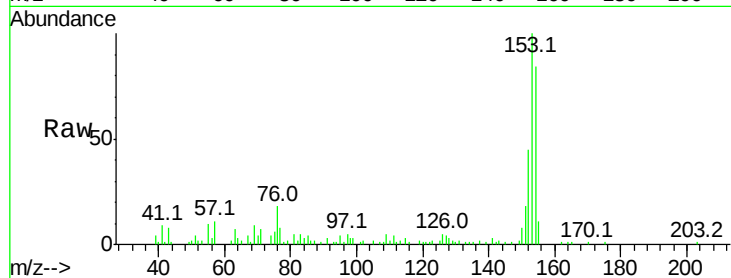
ClientSampleId :

E2-R-Q-11-12-BASE

Tot Ion:	154	Resp:	28565
Ion Ratio	Lower	Upper	
154	100		
153	119.4	90.5	135.7
152	53.8	43.6	65.4

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#57

Fluorene

Concen: 2.65 ng

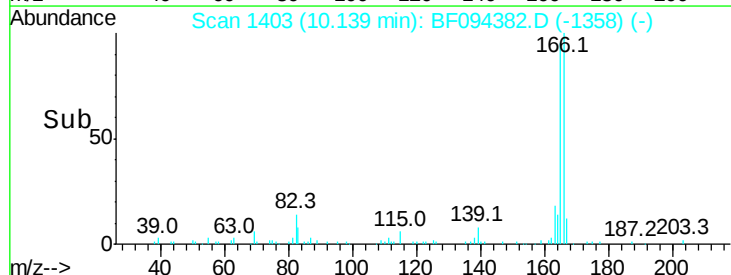
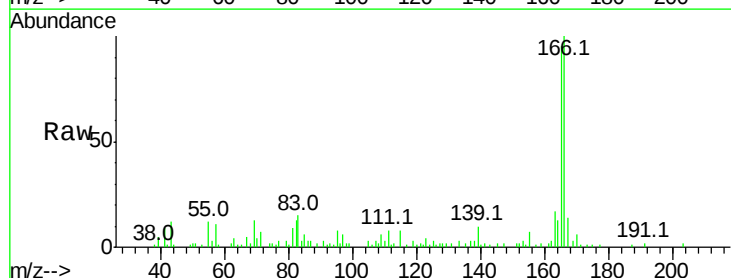
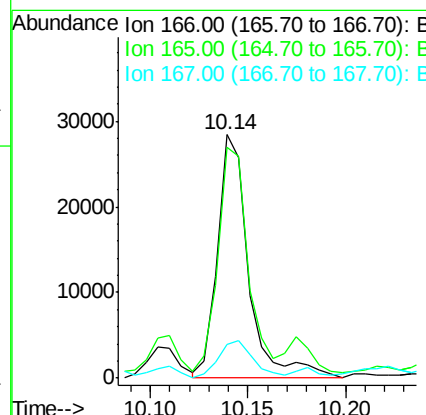
RT: 10.14 min Scan# 1403

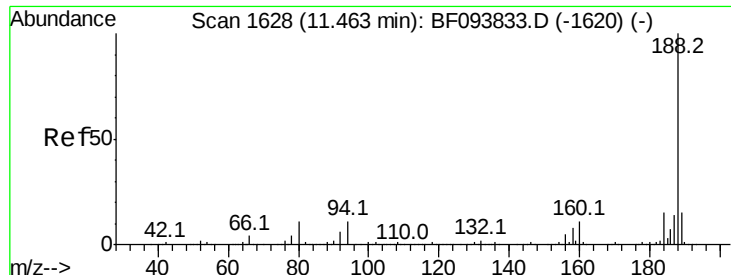
Delta R.T. -0.04 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Tgt Ion:	166	Resp:	31448
Ion Ratio	Lower	Upper	
166	100		
165	94.8	78.8	118.2
167	13.7	10.6	16.0





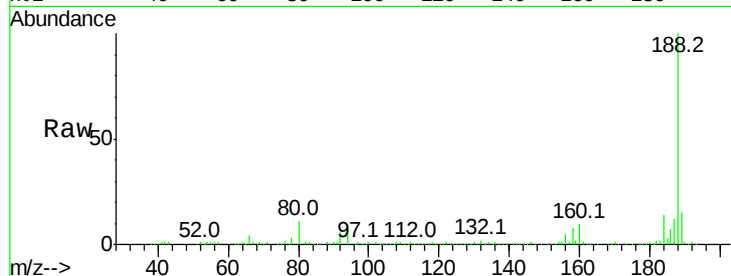
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1599
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

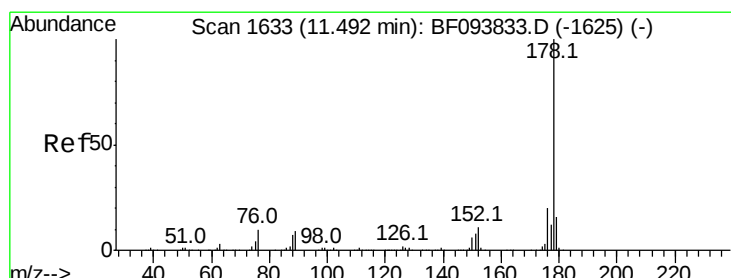
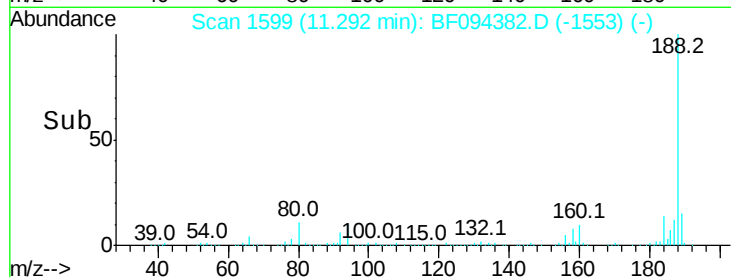
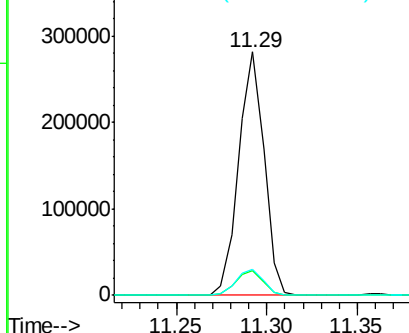
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.6	10.2	15.2

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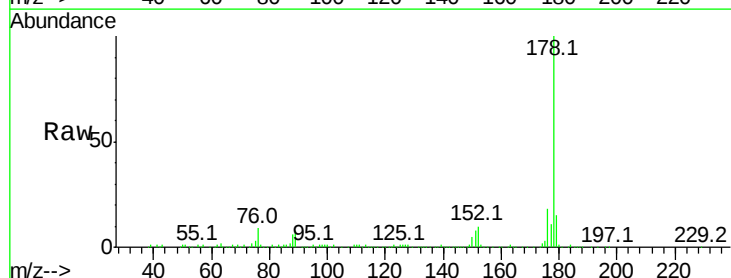


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

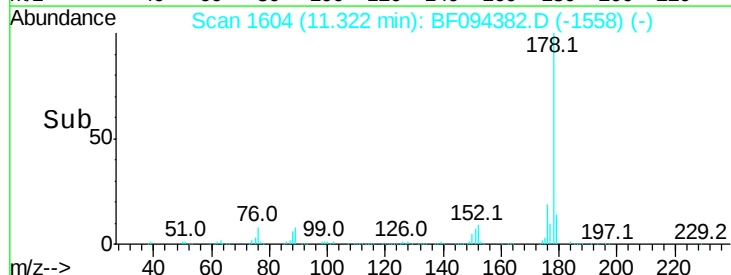
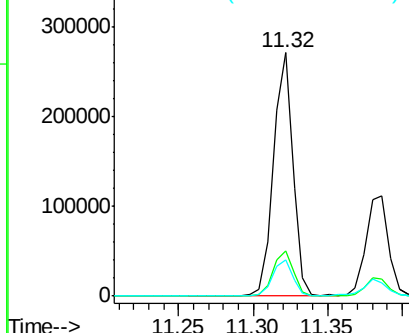


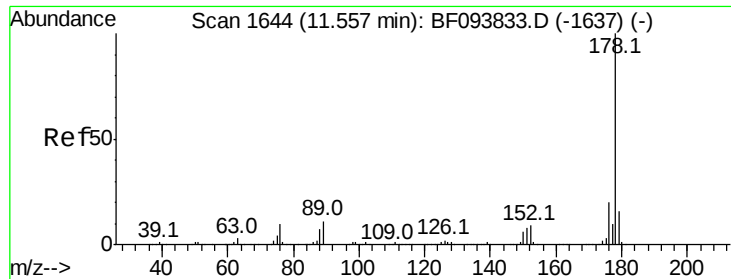
#70
Phenanthrene
Concen: 16.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	16.2	24.4
179	14.7	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





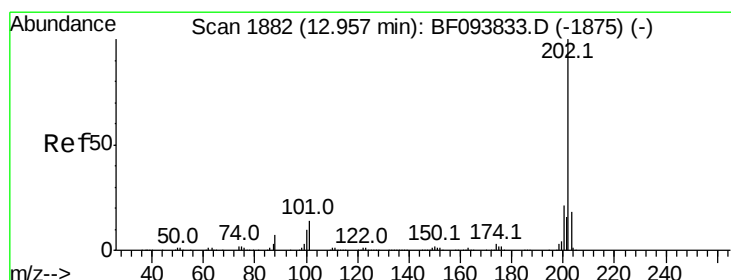
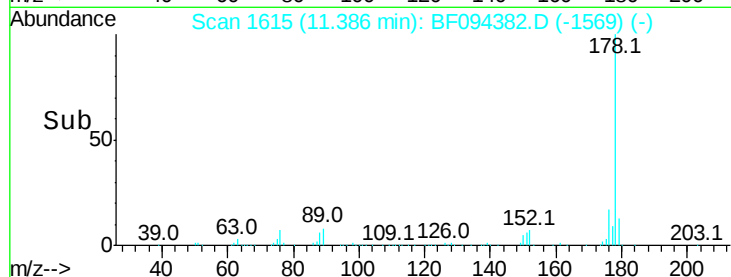
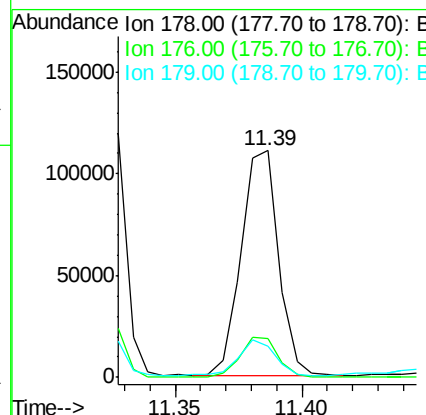
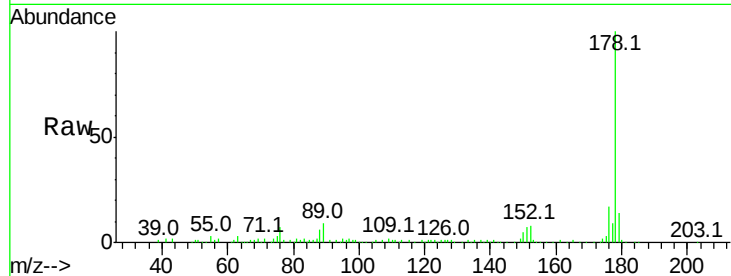
#71
 Anthracene
 Concen: 7.18 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.03 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	13.8	12.7	19.1

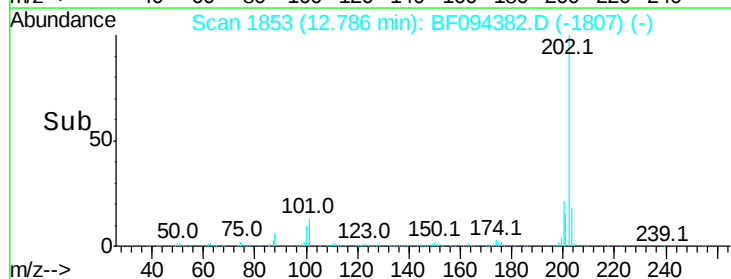
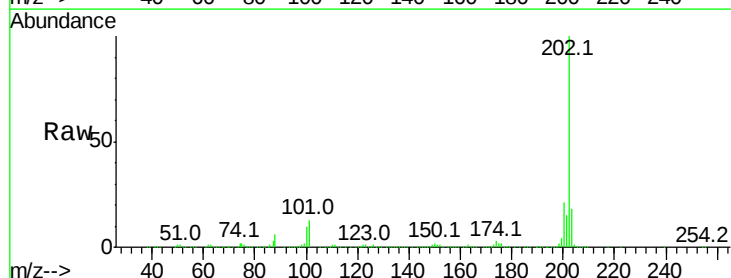
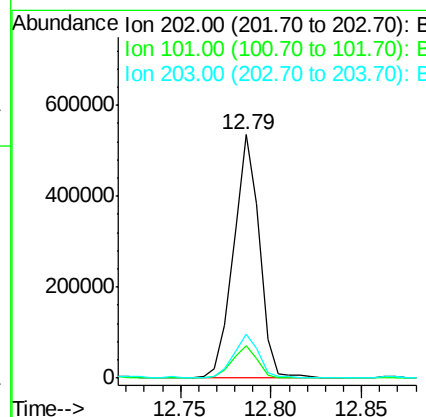
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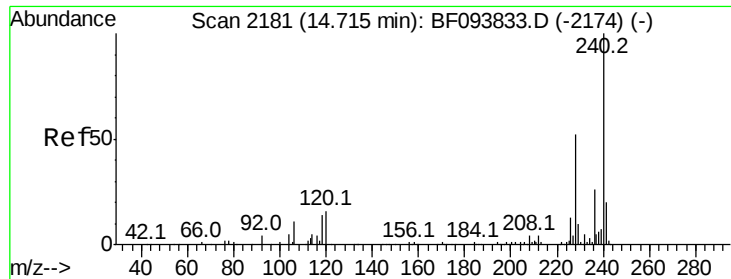
mohammad
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#74
 Fluoranthene
 Concen: 33.58 ng
 RT: 12.79 min Scan# 1853
 Delta R.T. -0.03 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	18.2	0.0	38.1





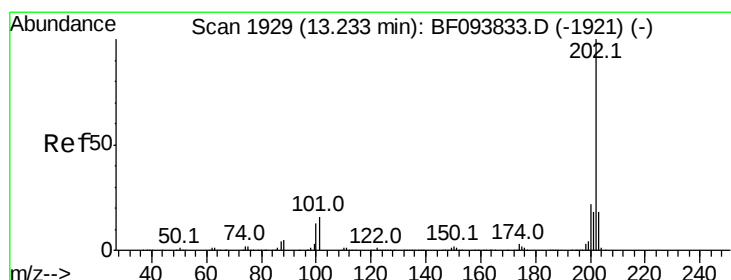
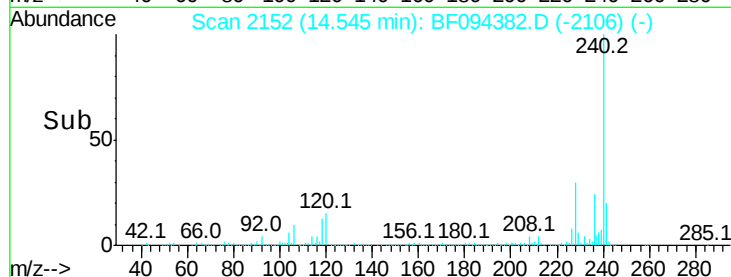
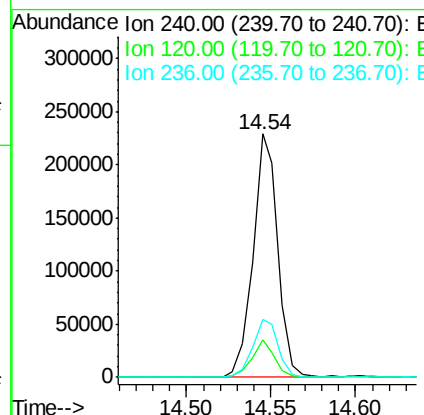
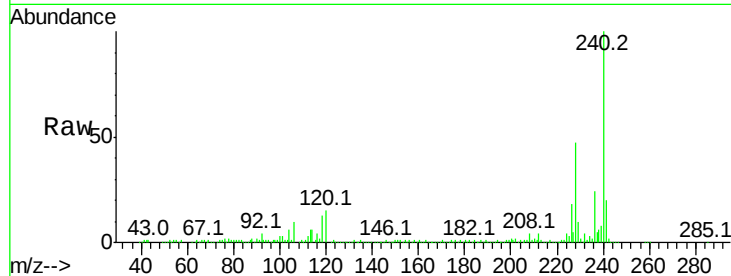
#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 14.54 min Scan# 2152
 Delta R.T. -0.03 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-Q-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	232303		
120	15.3	5.8	8.8#	
236	24.0	20.5	30.7	

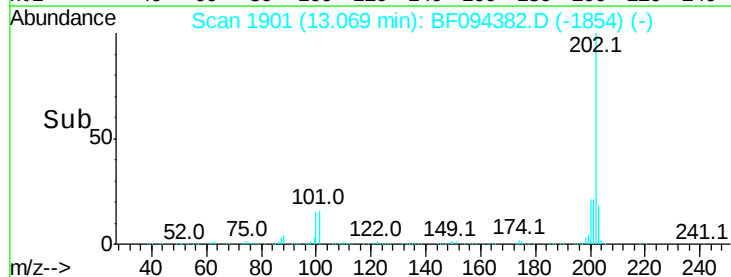
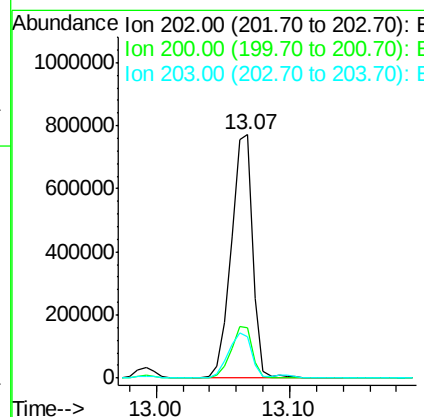
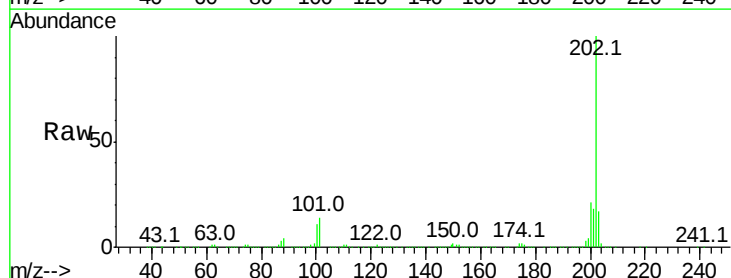
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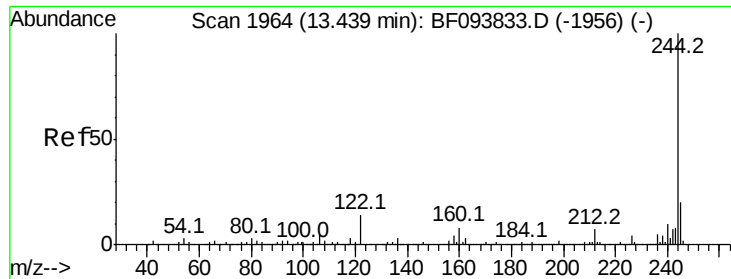
mohammad
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#77
 Pyrene
 Concen: 51.85 ng
 RT: 13.07 min Scan# 1901
 Delta R.T. -0.02 min
 Lab File: BF094382.D
 Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	874187		
200	20.9	17.6	26.4	
203	17.2	14.4	21.6	





#78

Terphenyl-d14

Concen: 52.57 ng

RT: 13.27 min Scan# 1935

Delta R.T. -0.03 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Instrument :

BNA_F

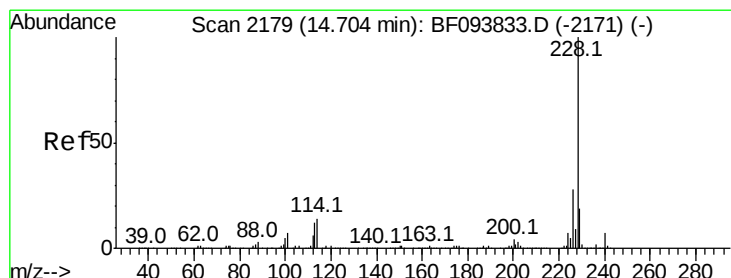
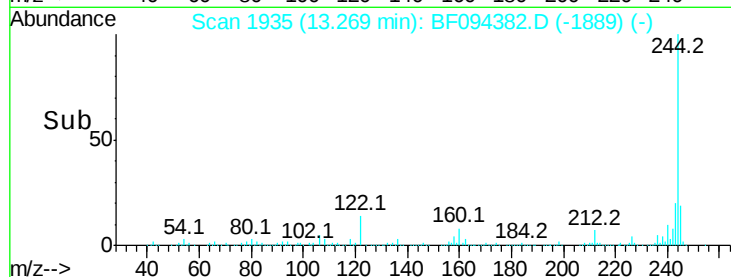
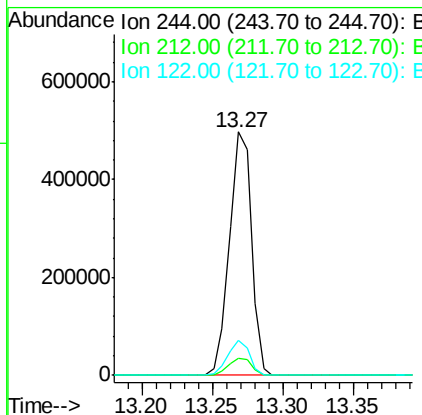
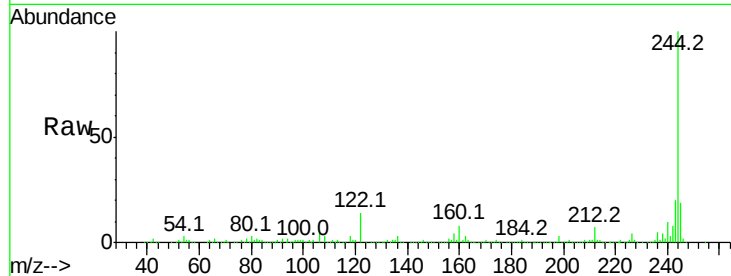
ClientSampleId :

E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.5	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 22.81 ng m

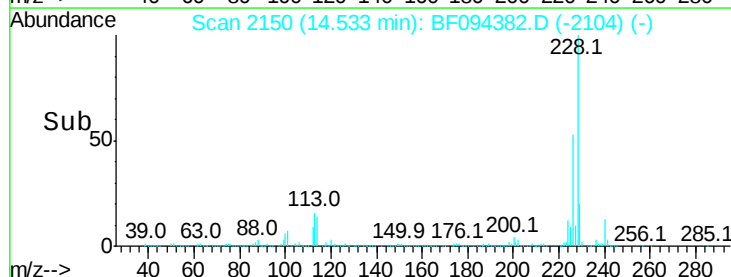
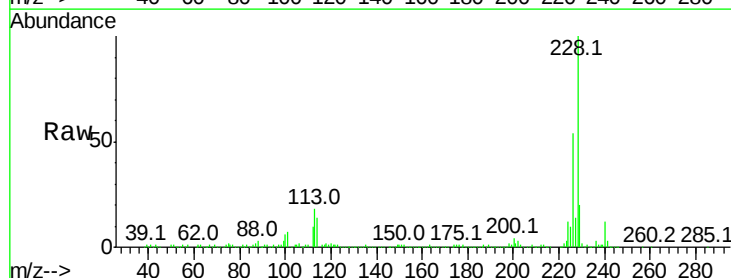
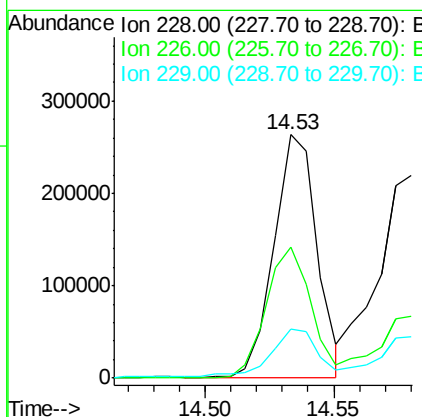
RT: 14.53 min Scan# 2150

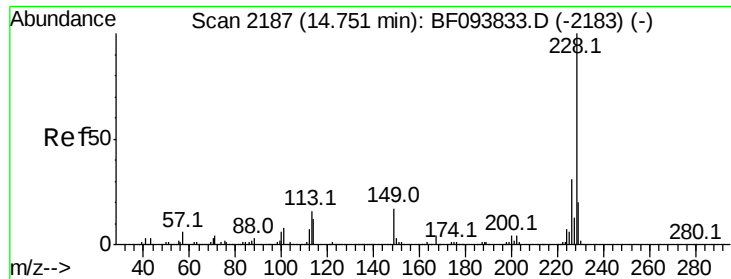
Delta R.T. -0.03 min

Lab File: BF094382.D

Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	53.7	22.6	33.8#
229	20.3	16.3	24.5





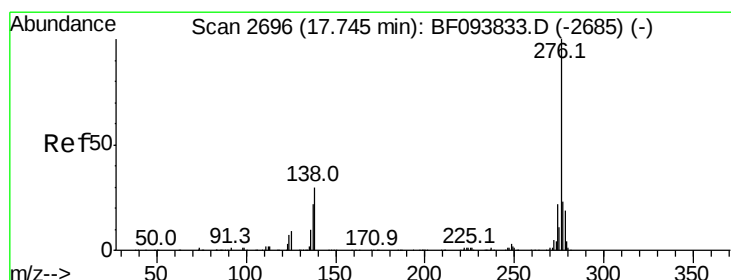
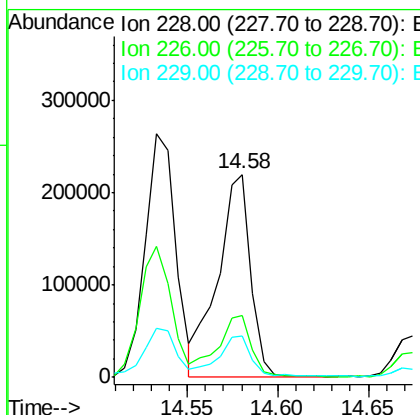
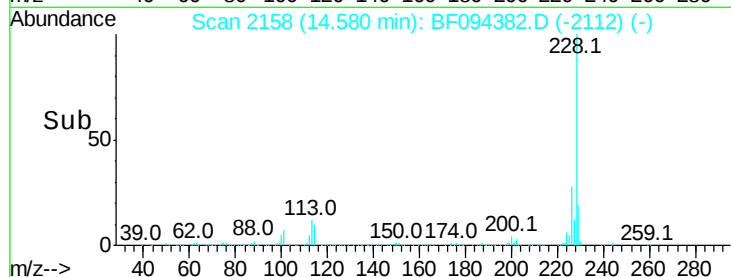
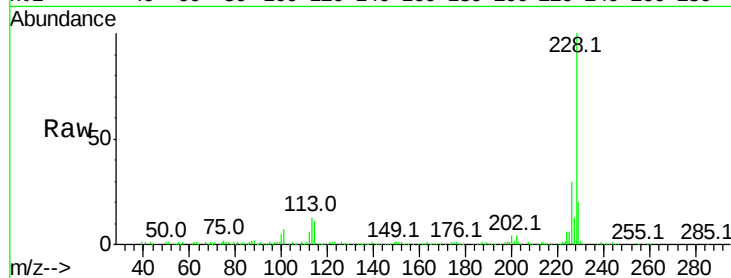
#82
Chrysene
Concen: 21.99 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	20.3	15.8	23.6

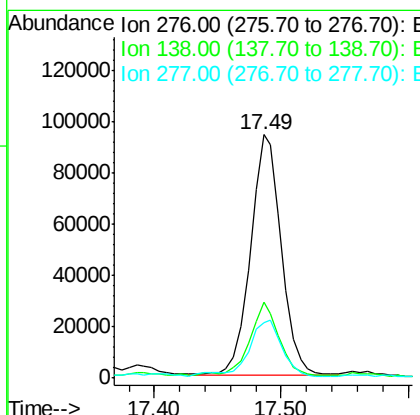
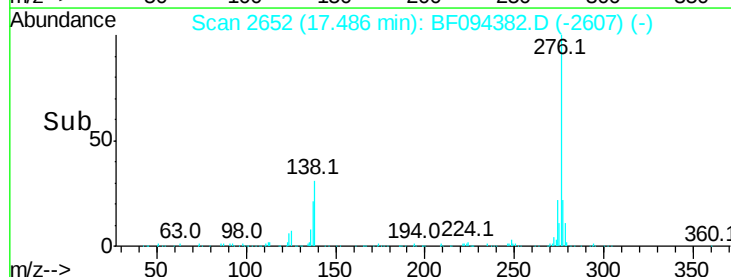
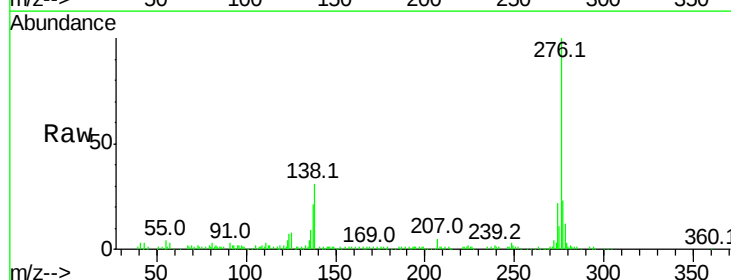
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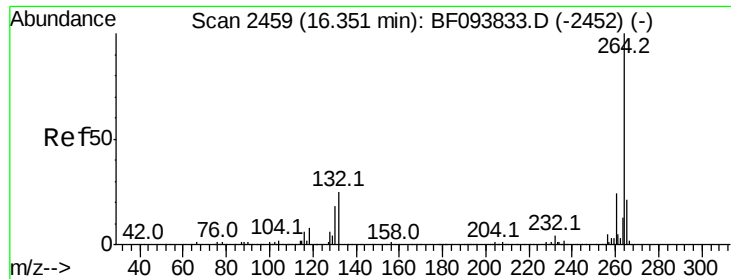
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.63 ng
RT: 17.49 min Scan# 2652
Delta R.T. -0.04 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	25.2	20.2	30.4





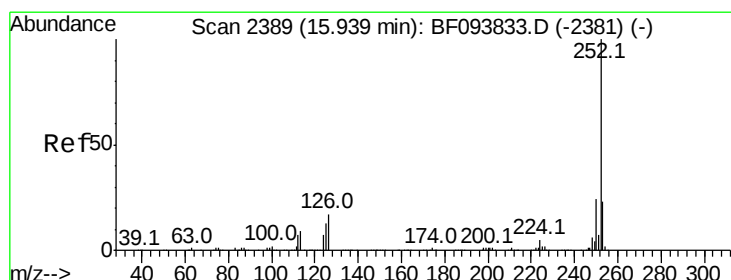
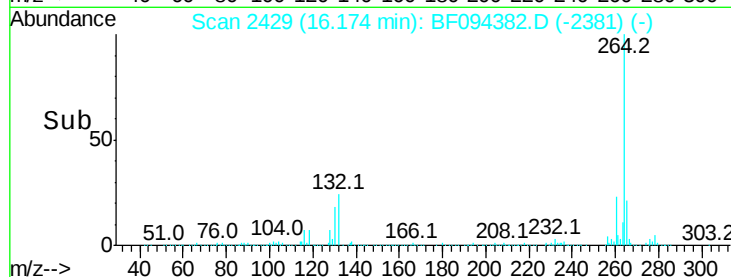
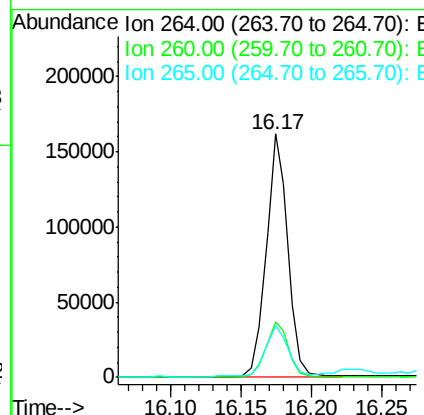
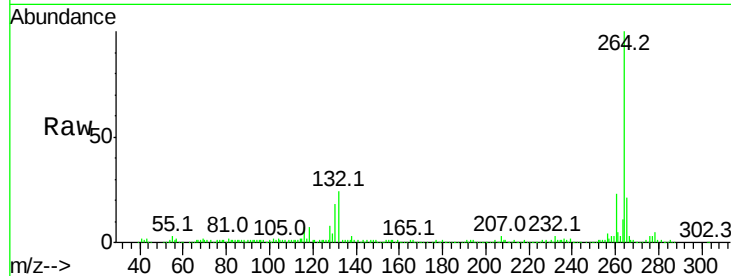
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.4	17.2	25.8

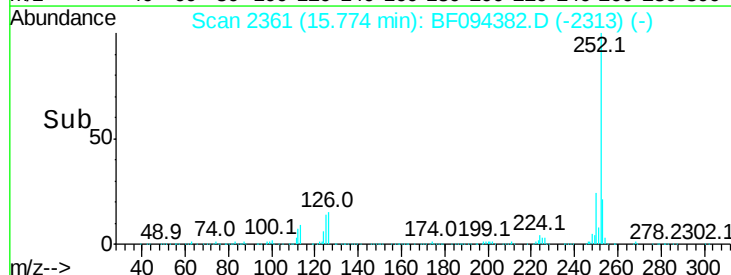
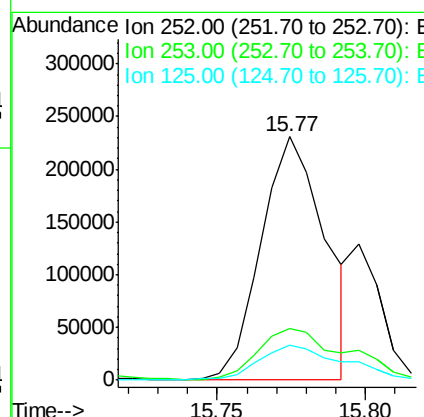
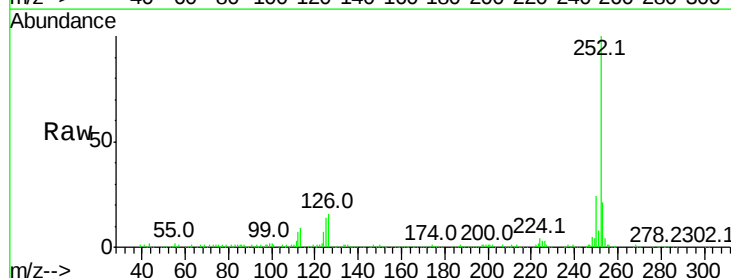
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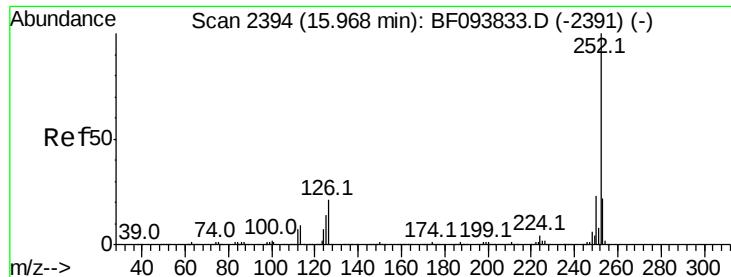
mohammad
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#87
Benzo(b)fluoranthene
Concen: 32.53 ng m
RT: 15.77 min Scan# 2361
Delta R.T. -0.02 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.1	27.1
125	14.3	9.8	14.8





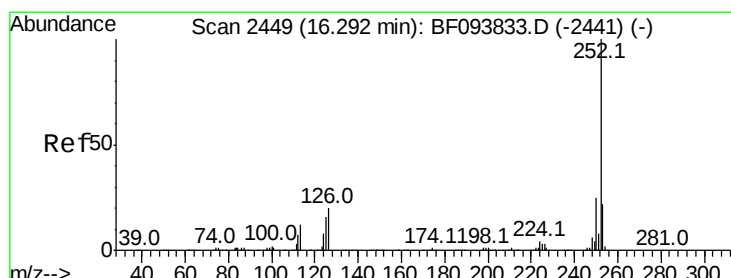
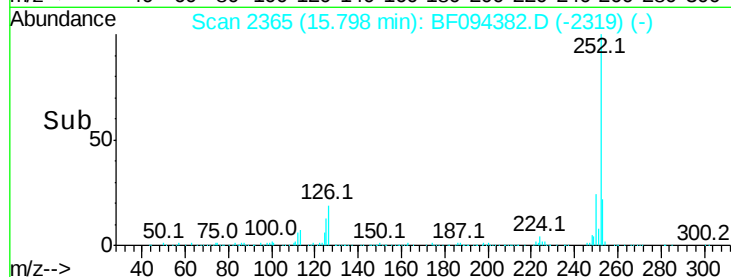
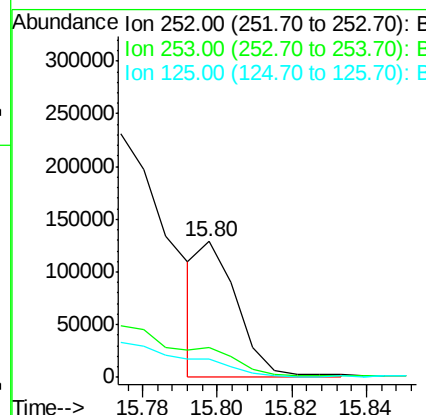
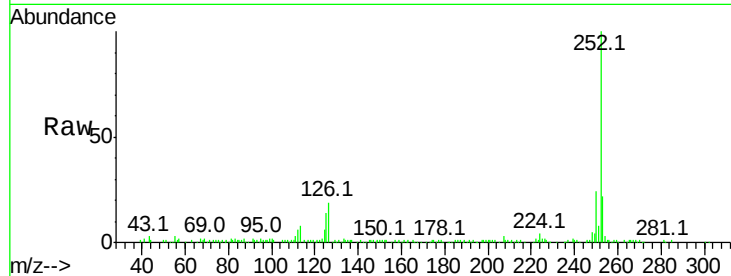
#88
Benzo(k)fluoranthene
Concen: 8.81 ng m
RT: 15.80 min Scan# 2365
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	13.8	13.1	19.7

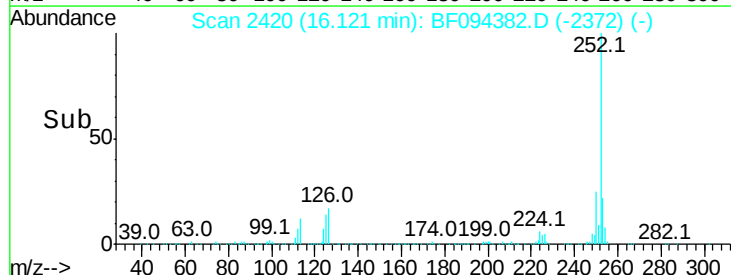
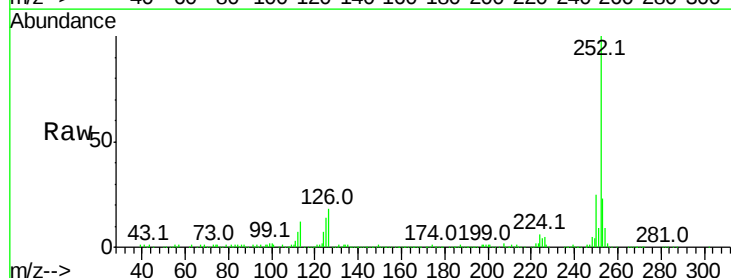
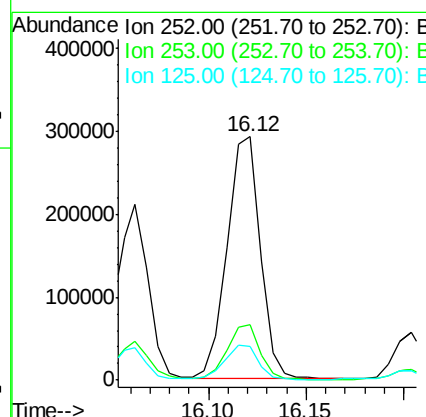
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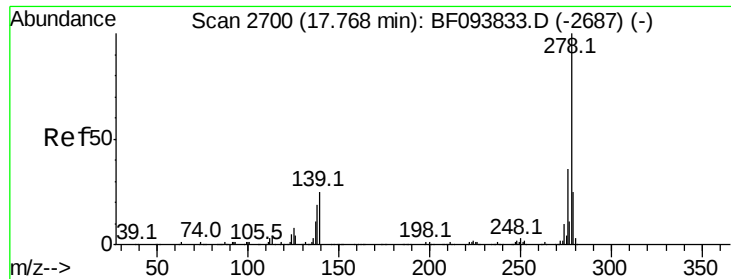
mohammad
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#89
Benzo(a)pyrene
Concen: 34.90 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	13.9	11.0	16.4





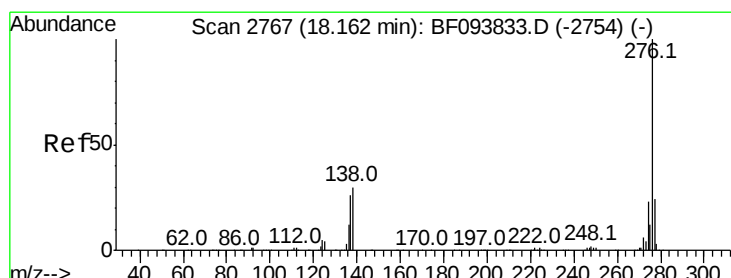
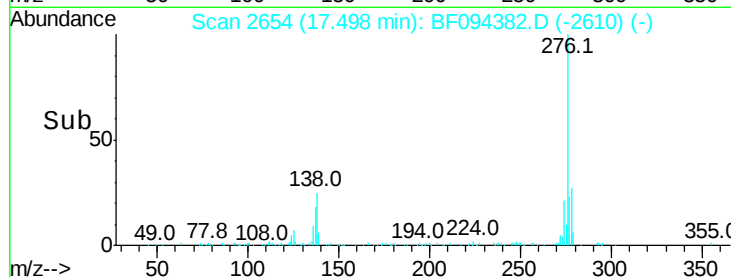
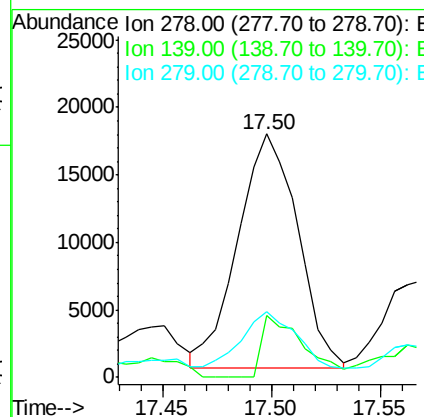
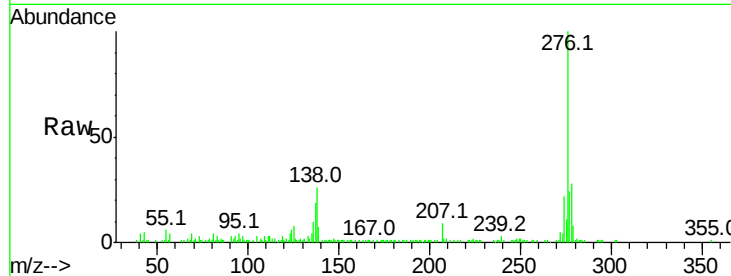
#90
Dibenzo(a,h)anthracene
Concen: 3.94 ng m
RT: 17.50 min Scan# 2654
Delta R.T. -0.04 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Instrument :
BNA_F
ClientSampleId :
E2-R-Q-11-12-BASE

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.3	16.6	24.8#
279	26.9	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 25.14 ng
RT: 17.88 min Scan# 2719
Delta R.T. -0.03 min
Lab File: BF094382.D
Acq: 12 Apr 2017 8:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	28.1	25.4	38.0

