

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094276.D
 Acq On : 7 Apr 2017 16:41
 Operator : SJ/MA
 Sample : I2528-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-3

Manual Integrations
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Quant Time: Apr 07 17:14:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 14:38:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	174669	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	685241	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	294698	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	466087	20.00	ng	0.00
75) Chrysene-d12	14.56	240	313122	20.00	ng	0.00
86) Perylene-d12	16.19	264	280128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1336180	129.21	ng	0.01
7) Phenol-d6	5.46	99	1726062	134.92	ng	0.00
23) Nitrobenzene-d5	6.50	82	1062646	88.50	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	315077	135.30	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	1622989	84.00	ng	0.00
78) Terphenyl-d14	13.29	244	999250	71.53	ng	0.00
Target Compounds						
10) Phenol	5.47	94	126431	8.68	ng	88
48) Acenaphthylene	9.31	152	80998	2.62	ng	98
49) Dimethylphthalate	9.17	163	203457	9.71	ng	98
51) Acenaphthene	9.52	154	48602	2.69	ng	99
57) Fluorene	10.16	166	63092	3.10	ng	99
70) Phenanthrene	11.34	178	515550	19.88	ng	99
71) Anthracene	11.40	178	128001	4.79	ng	98
74) Fluoranthene	12.80	202	759777	28.62	ng	99
77) Pyrene	13.08	202	693812	30.53	ng	99
80) Benzo(a)anthracene	14.55	228	231006	12.65	ng	95
82) Chrysene	14.59	228	266818	15.75	ng	98
85) Indeno(1,2,3-cd)pyrene	17.51	276	126642	8.63	ng	95
87) Benzo(b)fluoranthene	15.79	252	304108m	17.71	ng	
88) Benzo(k)fluoranthene	15.81	252	105876m	6.30	ng	
89) Benzo(a)pyrene	16.13	252	207924	13.15	ng	97
90) Dibenzo(a,h)anthracene	17.52	278	31965	2.39	ng	# 73
91) Benzo(a,h,i)perylene	17.90	276	125173	9.28	ng	96

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

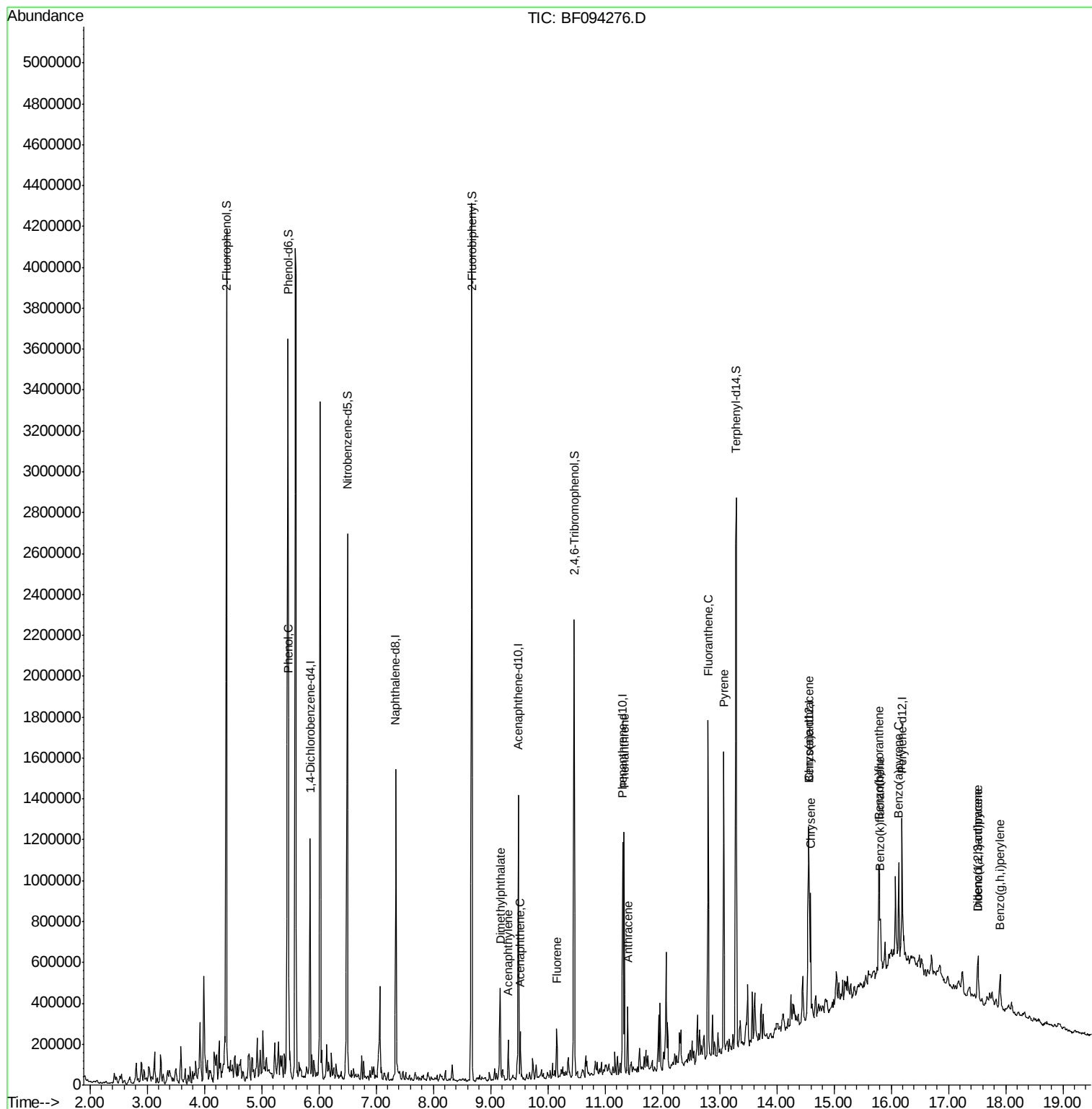
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094276.D
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ALS Vial : 11 Sample Multiplier: 1

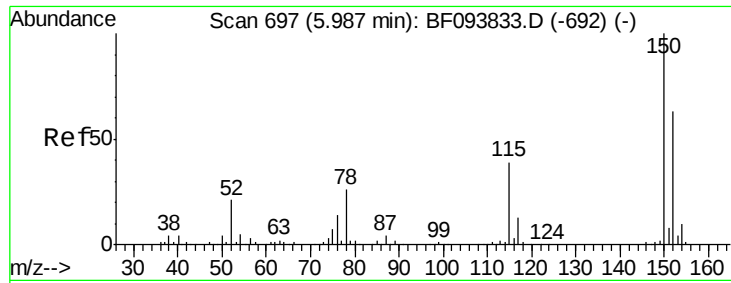
Instrument :
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ClientSampled :
TS-3

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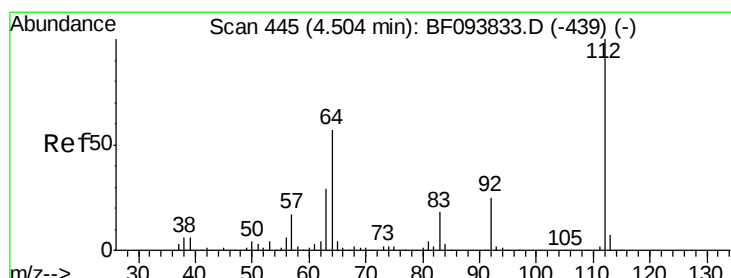
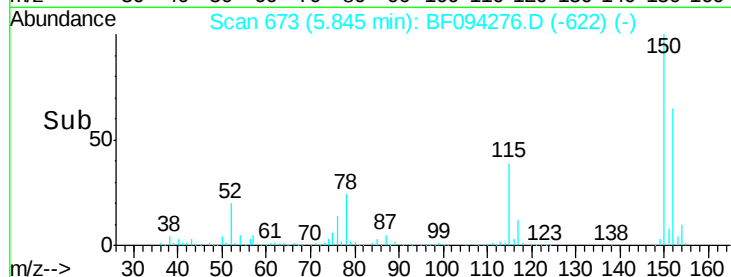
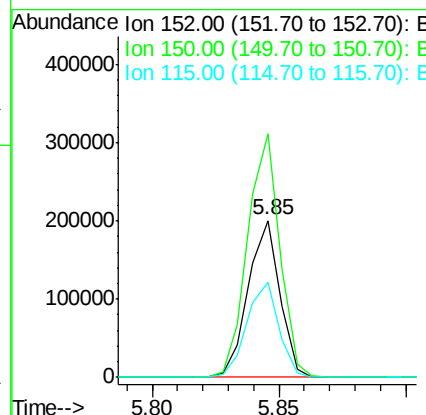
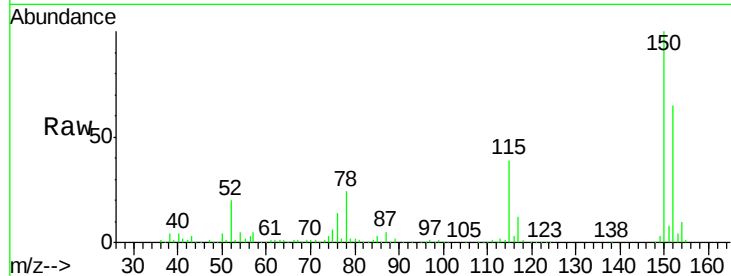
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF094276.D
 Acq: 7 Apr 2017 16:41

Instrument :
 BNA_F
 ClientSampled :
 TS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	60.6	52.2	78.2

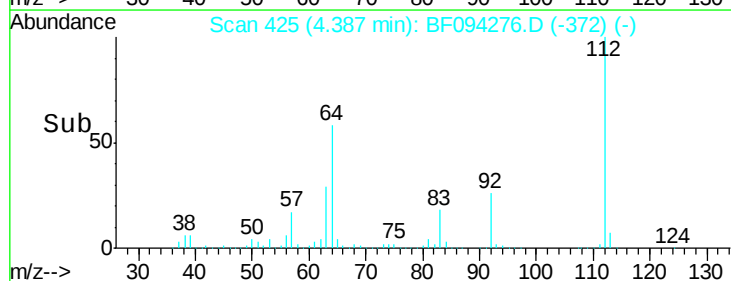
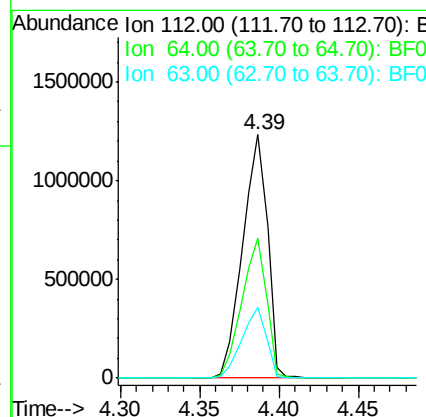
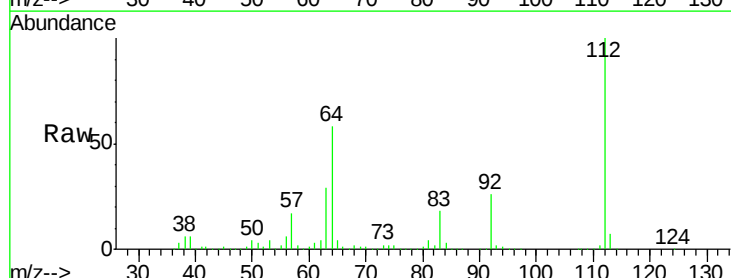
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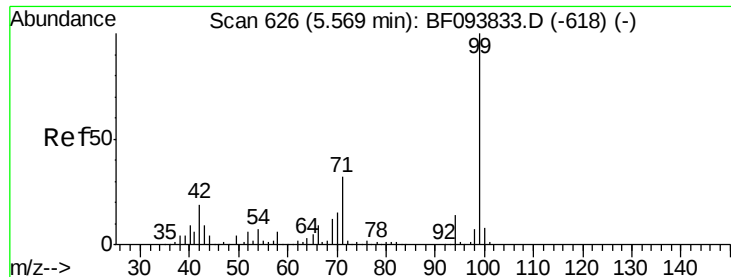
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#5
 2-Fluorophenol
 Concen: 129.21 ng
 RT: 4.39 min Scan# 425
 Delta R.T. 0.01 min
 Lab File: BF094276.D
 Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.0	69.0
63	28.8	23.4	35.0





#7

Phenol-d6

Concen: 134.92 ng

RT: 5.46 min Scan# 608

Delta R.T. 0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Instrument :

BNA_F

ClientSampleId :

TS-3

Tot Ion: 99 Resp: 1726062

Ion Ratio Lower Upper

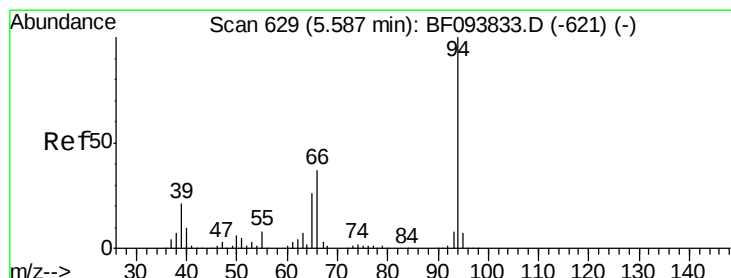
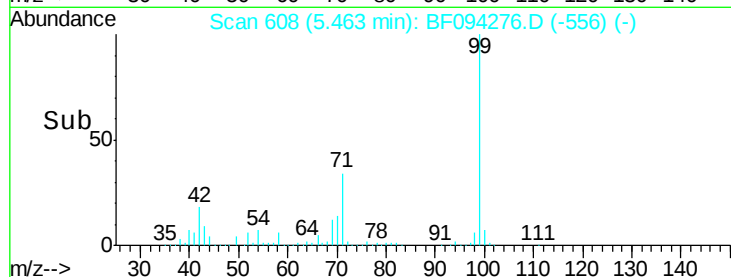
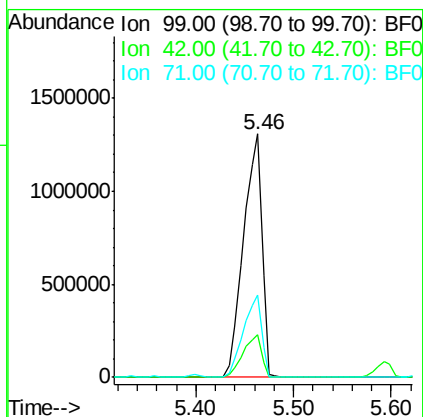
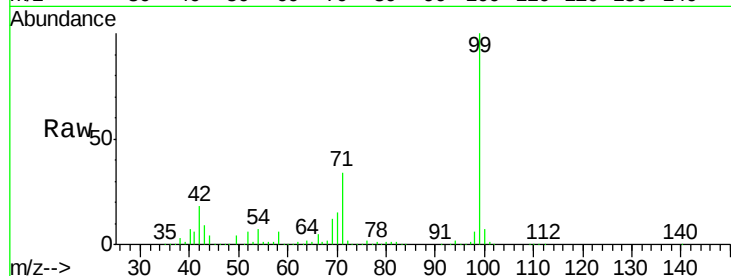
99 100

42 17.7 13.5 20.3

71 33.9 24.5 36.7

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#10

Phenol

Concen: 8.68 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

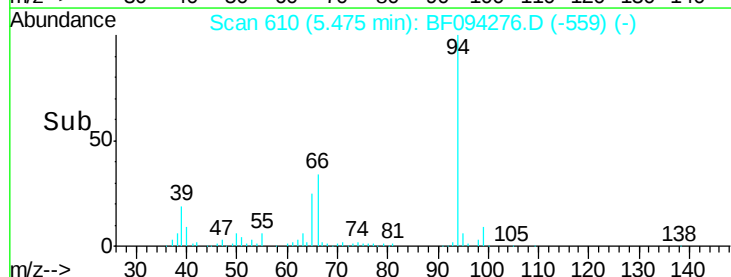
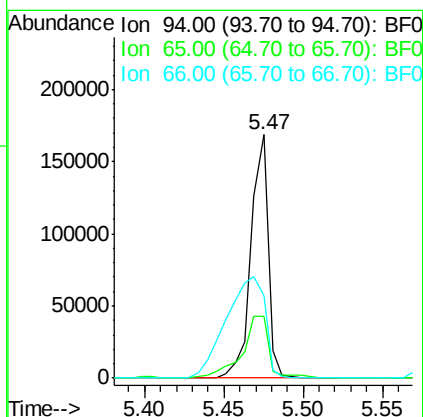
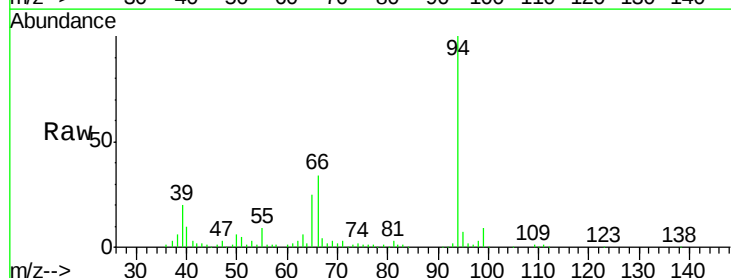
Tgt Ion: 94 Resp: 126431

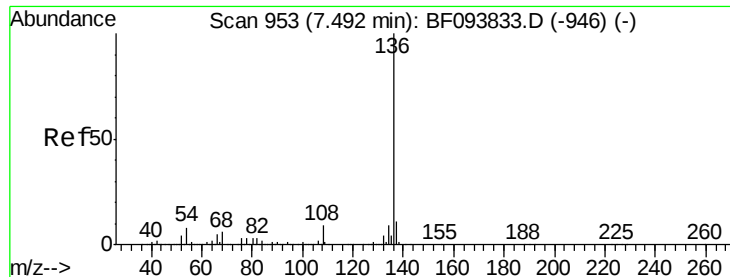
Ion Ratio Lower Upper

94 100

65 25.4 9.9 49.9

66 33.9 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.35 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Instrument :

BNA_F

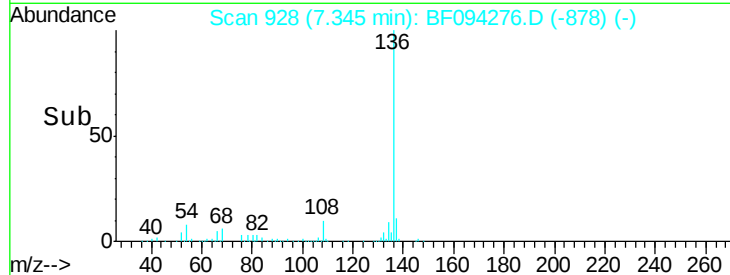
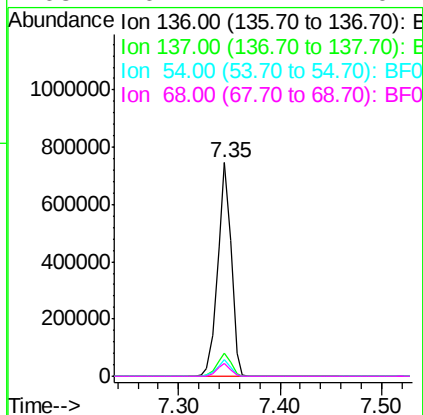
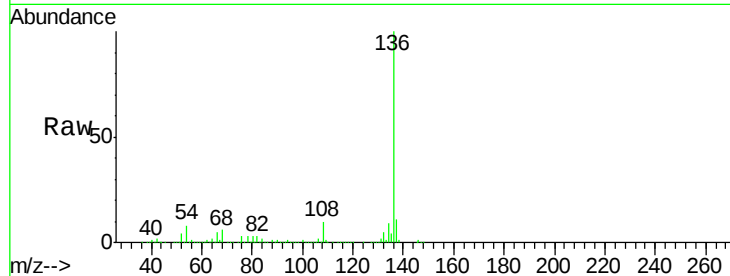
ClientSampled :

TS-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	685241		
137	10.9		8.5	12.7
54	7.8		4.9	7.3#
68	6.2		4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 88.50 ng

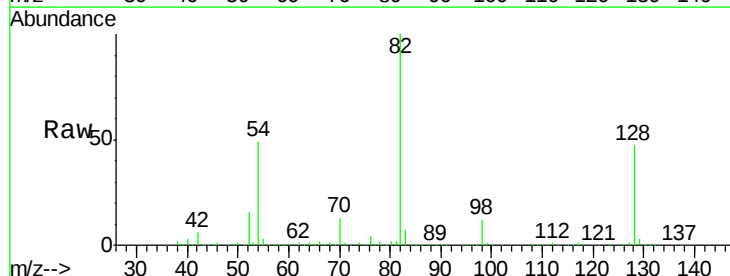
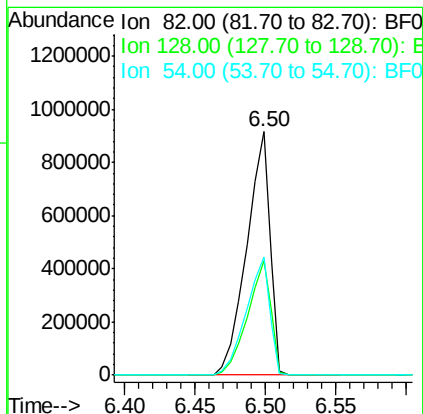
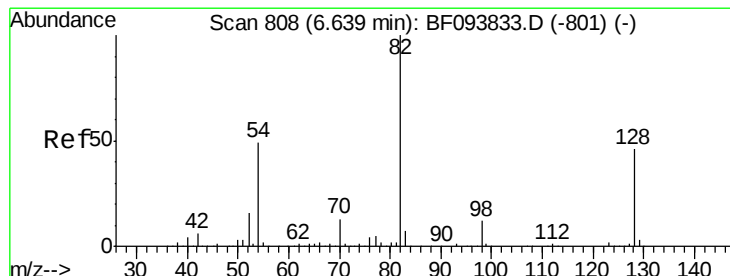
RT: 6.50 min Scan# 784

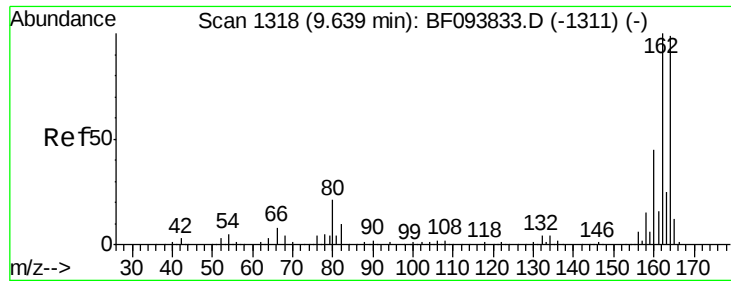
Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1062646		
128	47.0		34.0	51.0
54	48.6		42.2	63.2





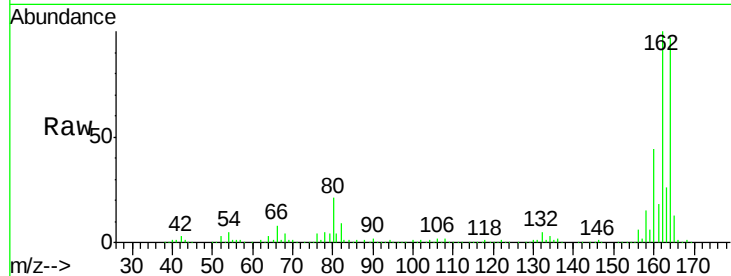
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.49 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
TS-3

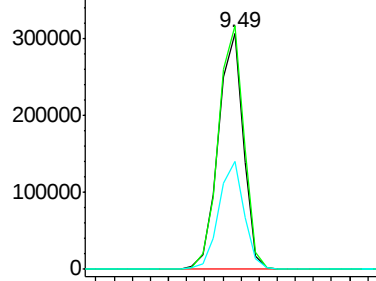
Tot Ion	Ratio	Resp	Lower	Upper
164	100	294698		
162	103.0	82.6	123.8	
160	45.5	36.2	54.2	

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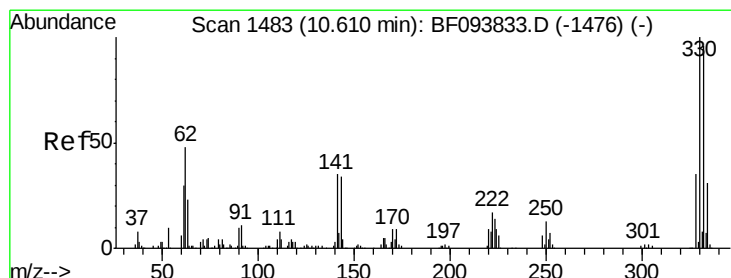
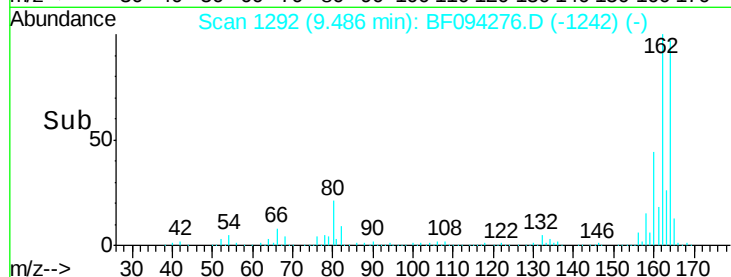
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

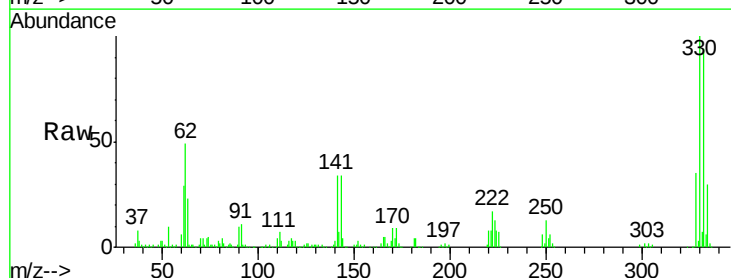


Time-->

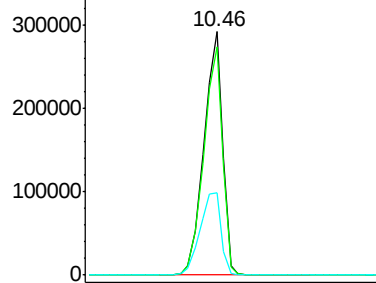


#41
2,4,6-Tribromophenol
Concen: 135.30 ng
RT: 10.46 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

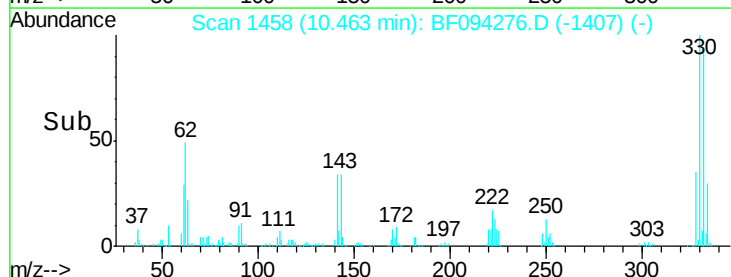
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	315077		
332	94.5	76.6	115.0	
141	38.6	31.4	47.2	

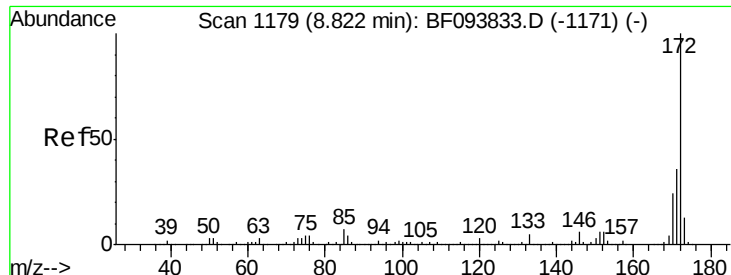


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





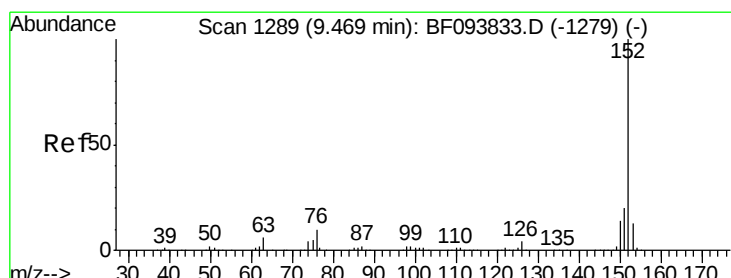
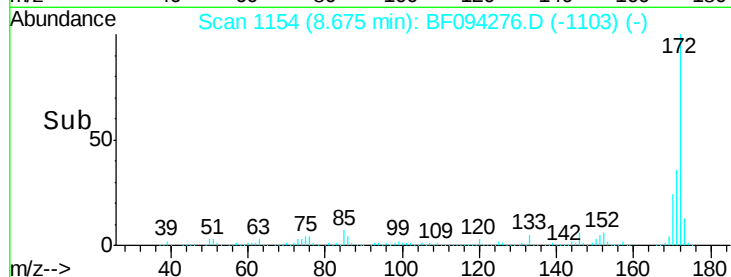
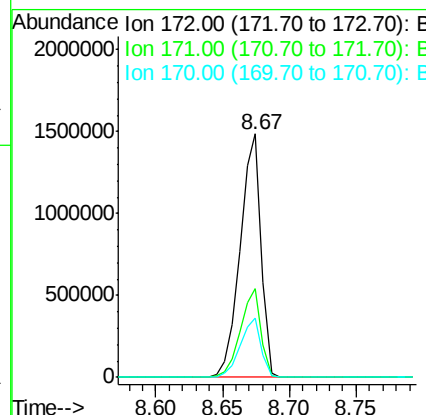
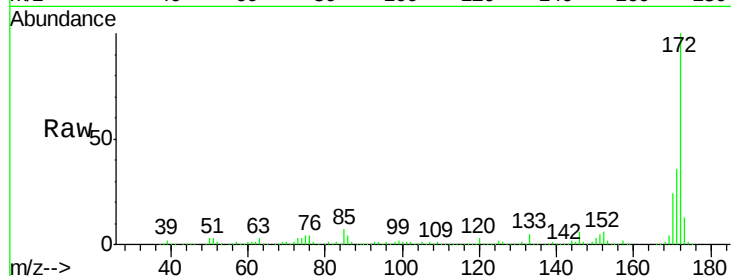
#44
2-Fluorobiphenyl
Concen: 84.00 ng
RT: 8.67 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.4	19.8	29.8

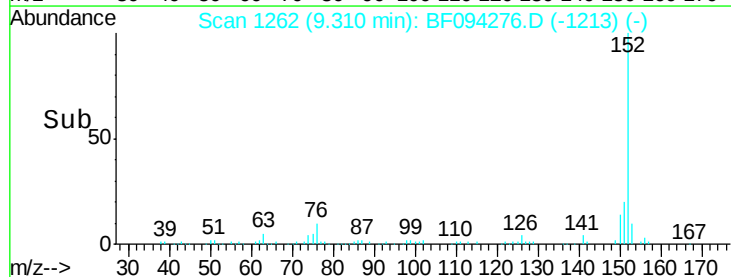
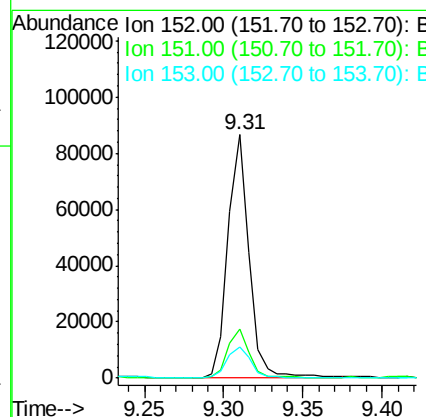
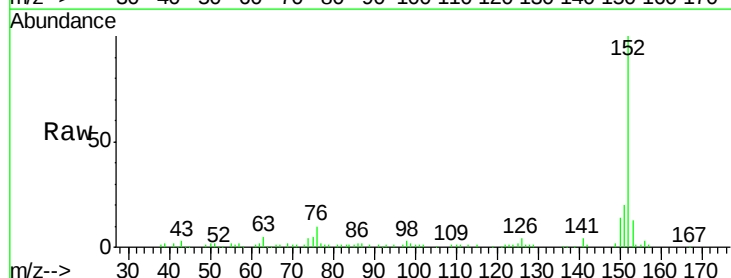
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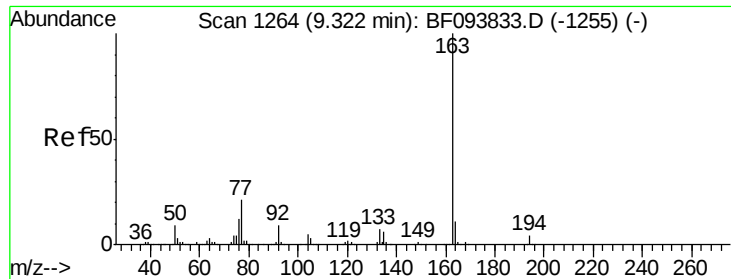
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#48
Acenaphthylene
Concen: 2.62 ng
RT: 9.31 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	12.7	10.8	16.2





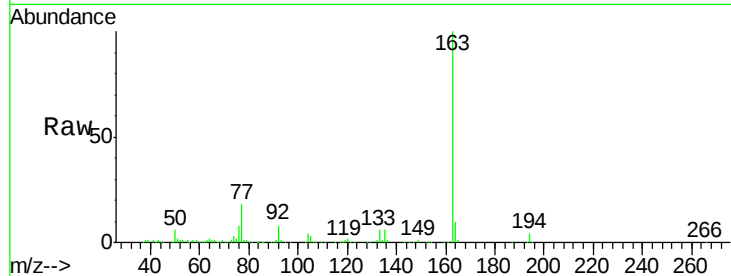
#49
Dimethylphthalate
Concen: 9.71 ng
RT: 9.17 min Scan# 1238
Delta R.T. -0.02 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
TS-3

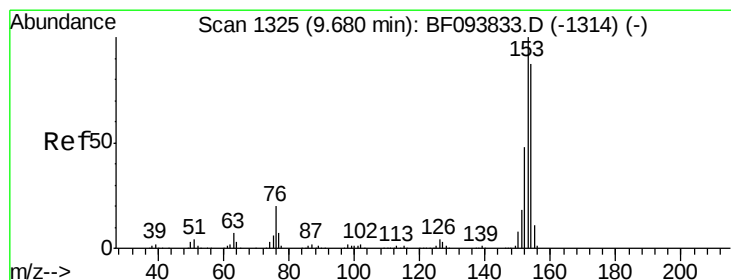
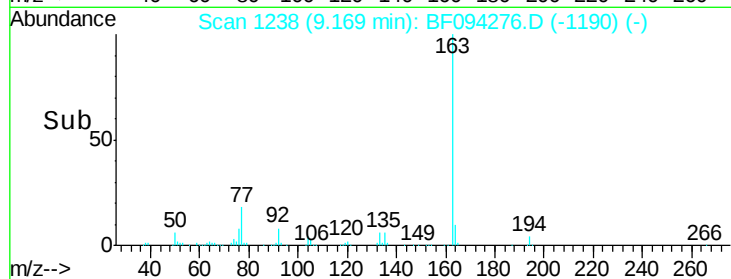
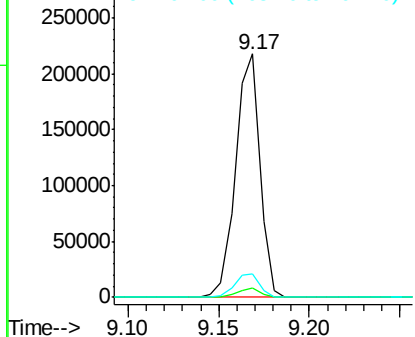
Tot Ion	Ratio	Resp	Lower	Upper
163	100	203457		
194	3.8	2.6	4.0	
164	9.6	8.4	12.6	

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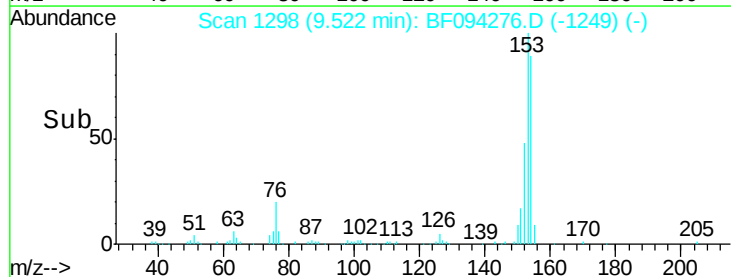
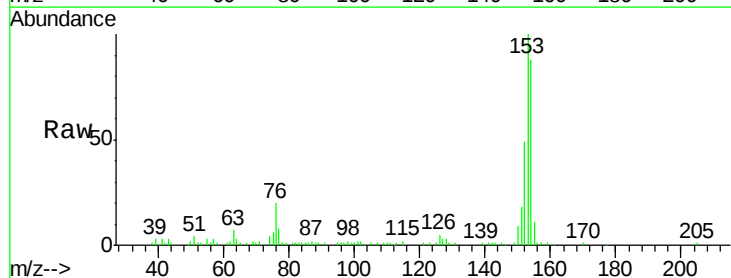
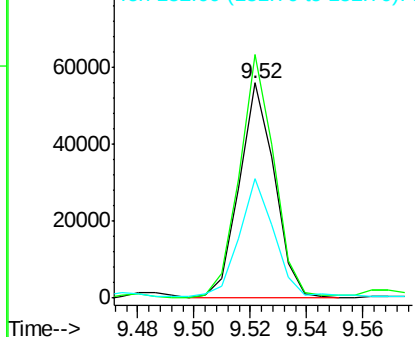
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

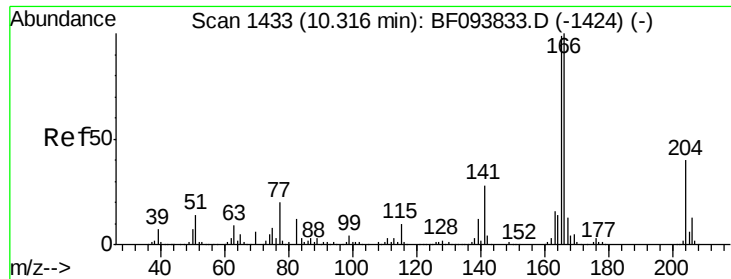


#51
Acenaphthene
Concen: 2.69 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48602		
153	113.2	90.5	135.7	
152	55.6	43.6	65.4	

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





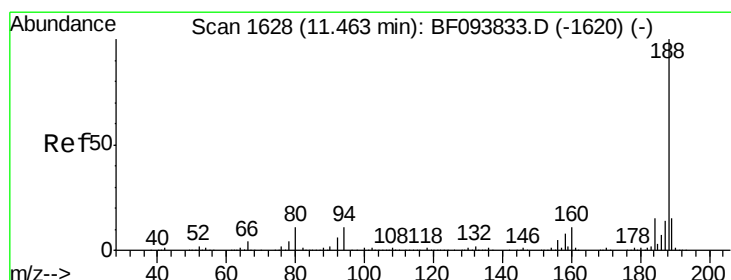
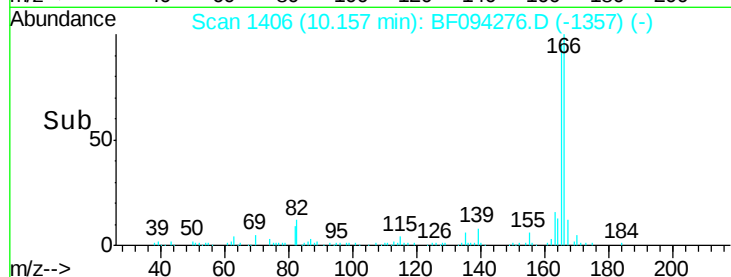
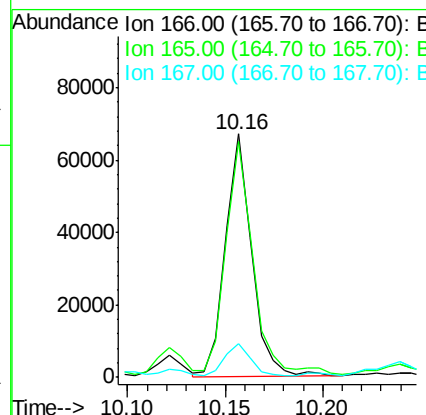
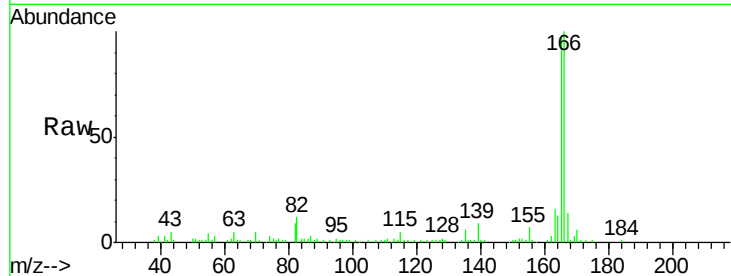
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Fluorene
 Concen: 3.10 ng
 RT: 10.16 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF094276.D
 Acq: 7 Apr 2017 16:41

Instrument :
 BNA_F
 ClientSampleId :
 TS-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	13.7	10.6	16.0

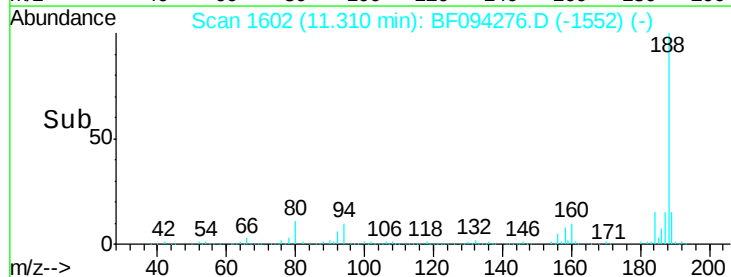
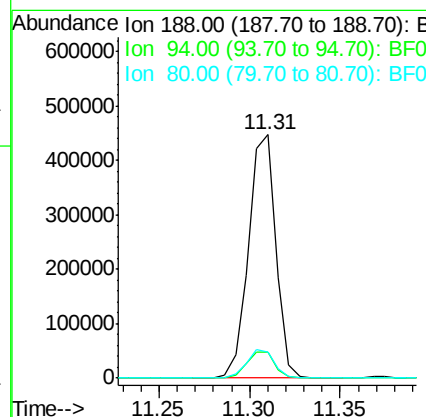
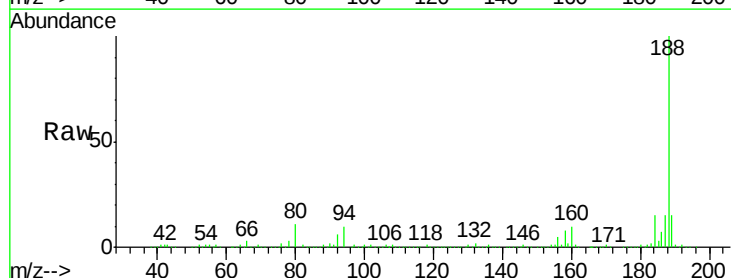
Manual Integrations
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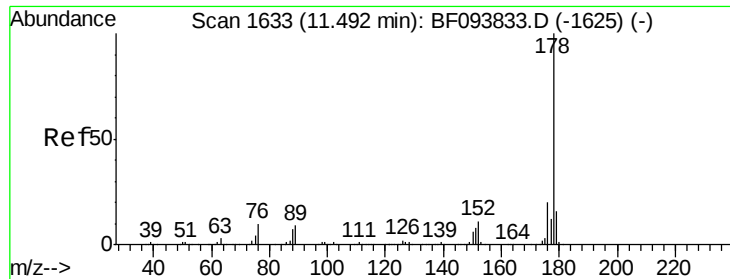
mohammad
 4/10/2017 2:07:38 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF094276.D
 Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.8	10.2	15.2





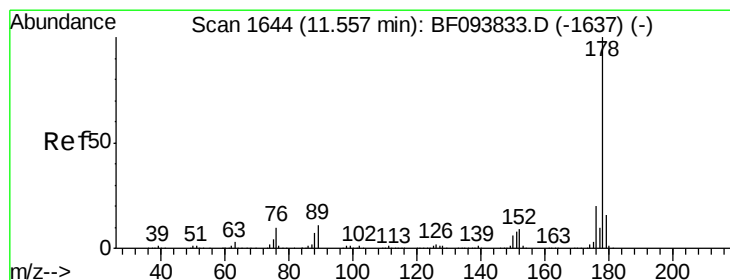
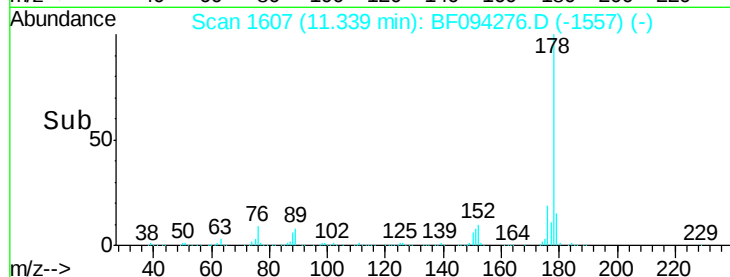
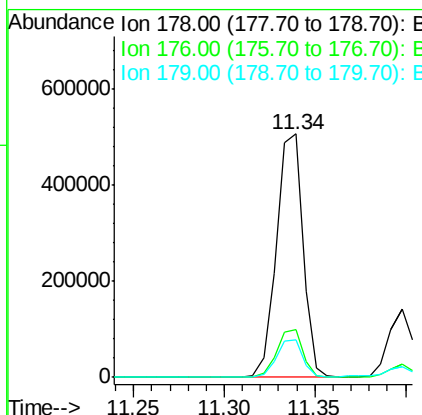
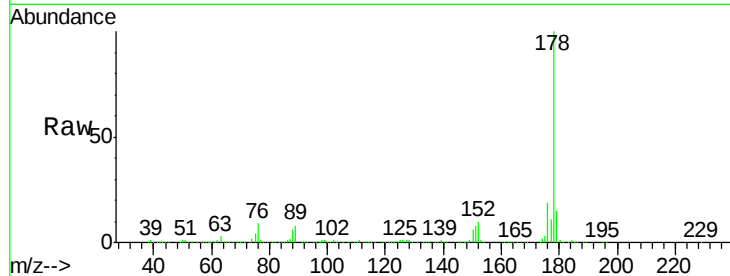
#70
Phenanthrene
Concen: 19.88 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
TS-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.4	12.6	19.0

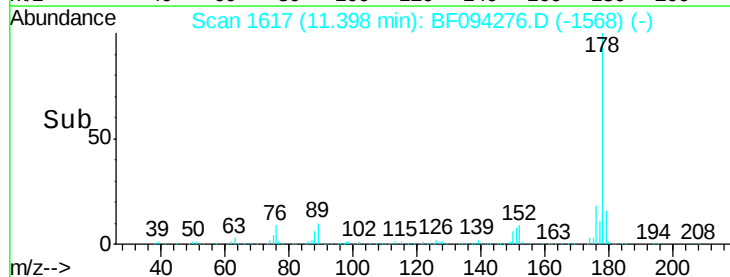
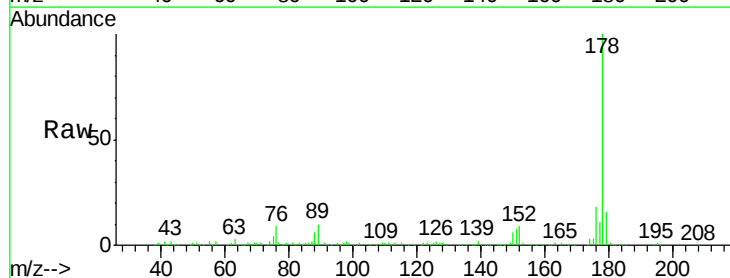
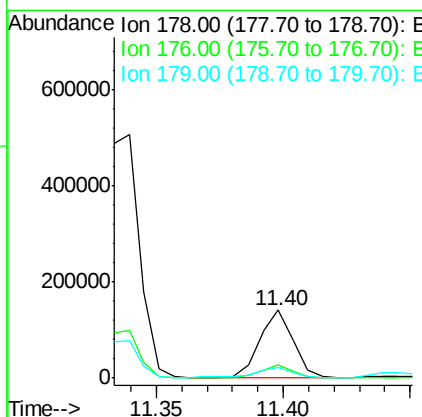
Manual Integrations
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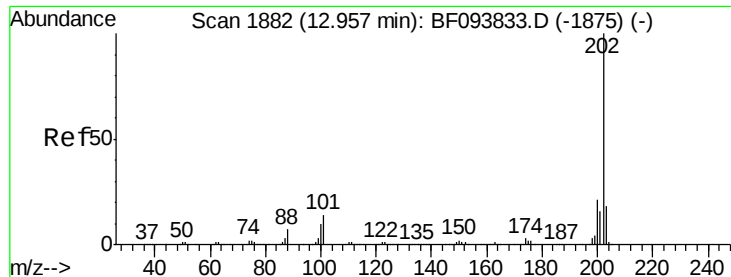
mohammad
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#71
Anthracene
Concen: 4.79 ng
RT: 11.40 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.9	12.7	19.1





#74

Fluoranthene

Concen: 28.62 ng

RT: 12.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Instrument :

BNA_F

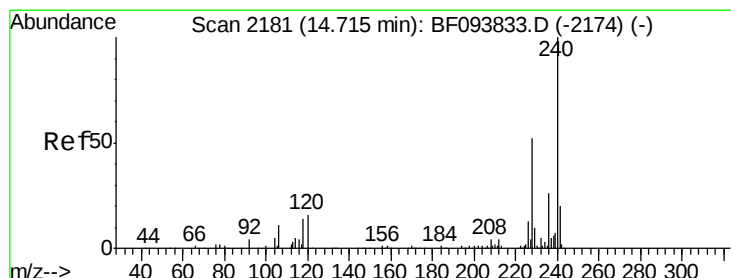
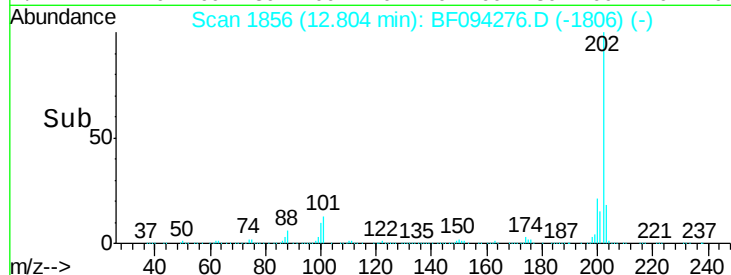
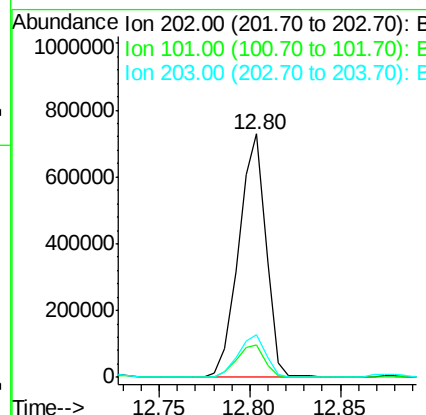
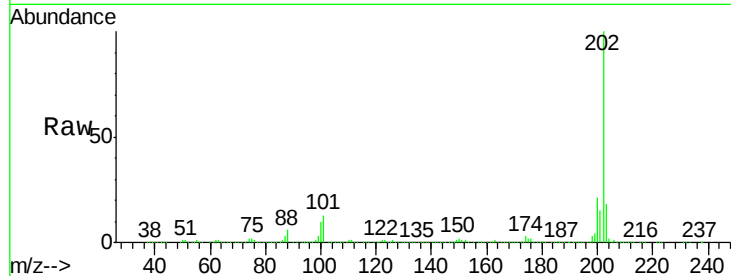
ClientSampled :

TS-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		759777		
101	13.1	0.0	33.2		
203	17.6	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

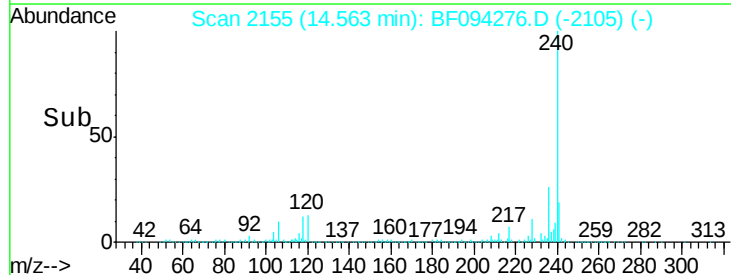
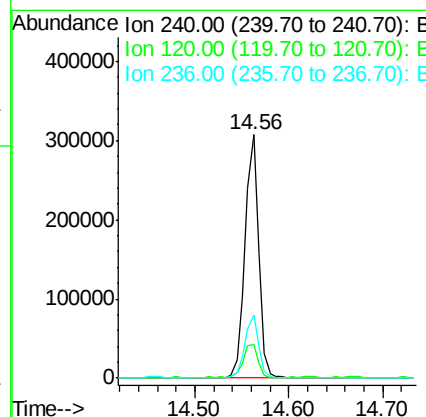
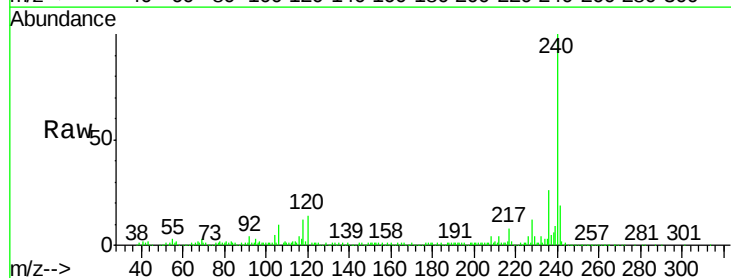
RT: 14.56 min Scan# 2155

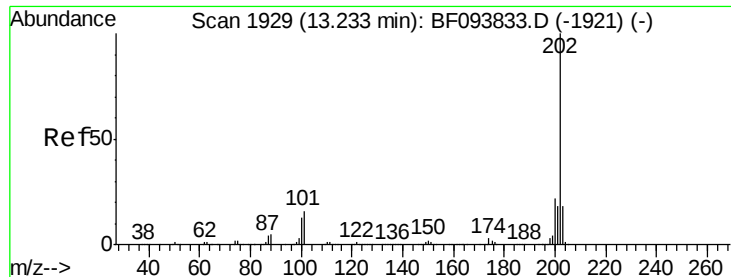
Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		313122		
120	13.9	5.8	8.8#		
236	25.8	20.5	30.7		





#77

Pvrene

Concen: 30.53 ng

RT: 13.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Instrument :

BNA_F

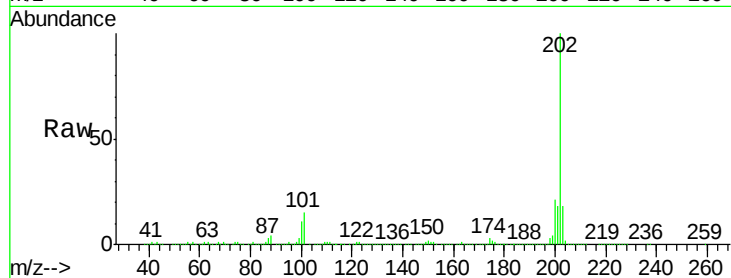
ClientSampleId :

TS-3

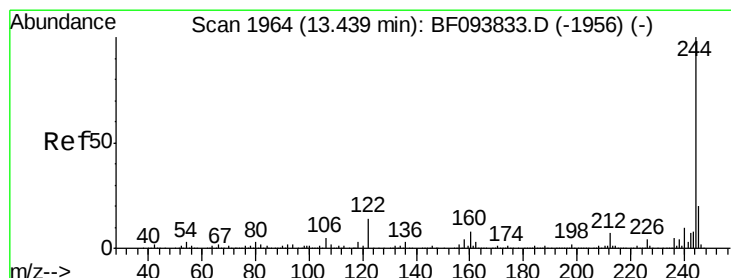
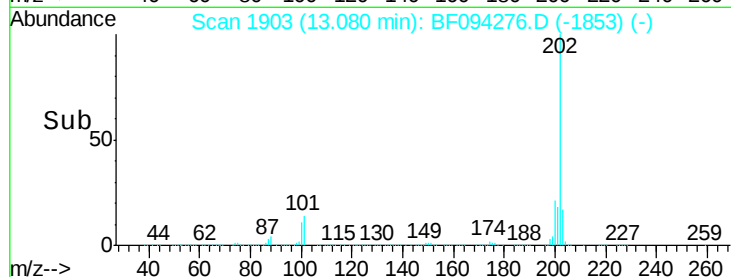
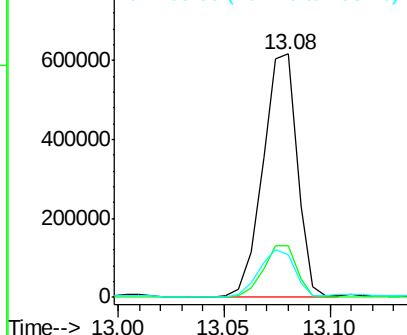
Tot Ion:	202	Resp:	693812
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.6	26.4
203	17.5	14.4	21.6

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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: 71.53 ng

RT: 13.29 min Scan# 1939

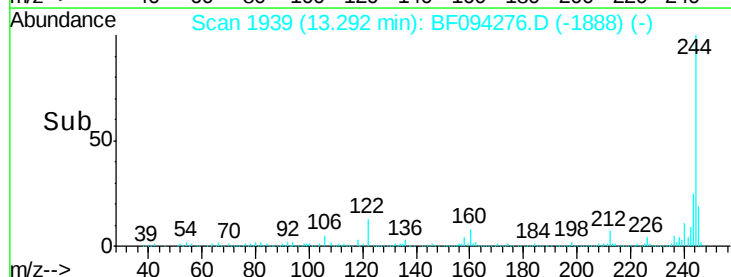
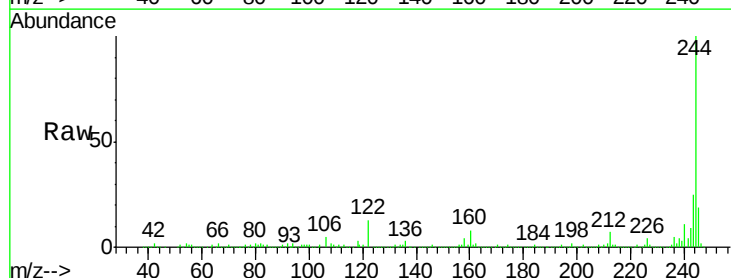
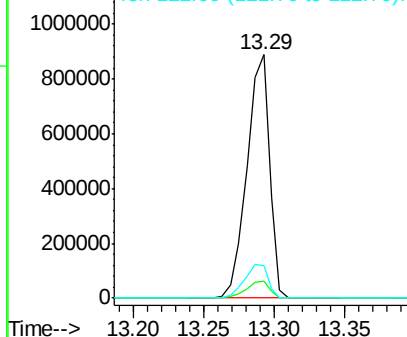
Delta R.T. 0.00 min

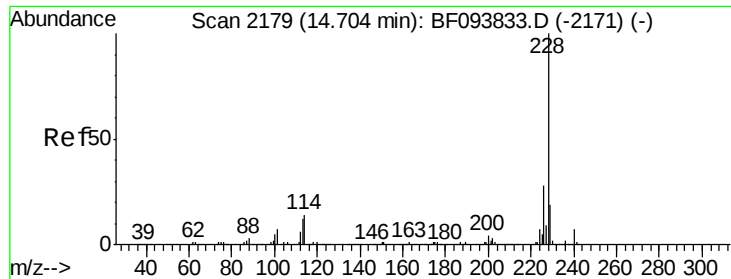
Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Tgt Ion:	244	Resp:	999250
Ion Ratio		Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.2	10.3	15.5

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





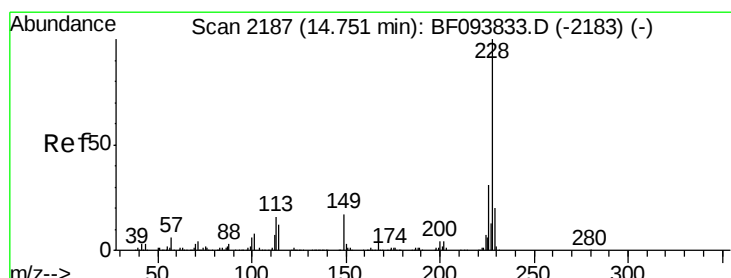
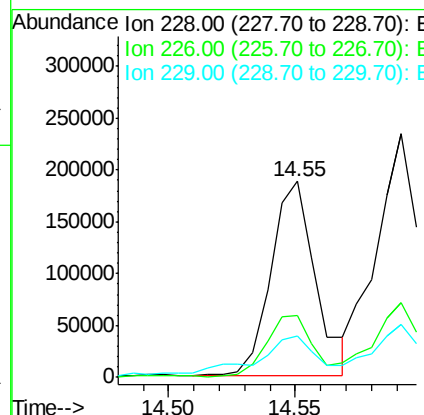
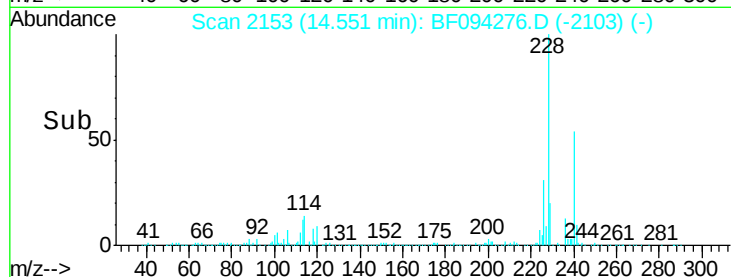
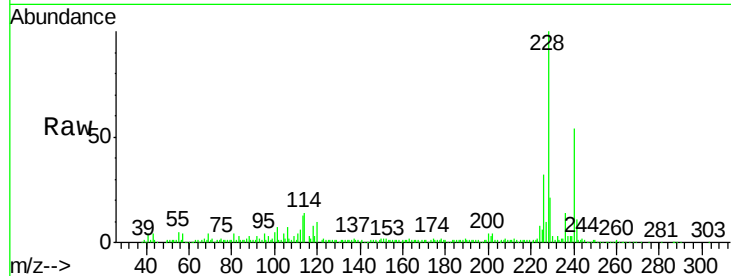
#80
Benzo(a)anthracene
Concen: 12.65 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
TS-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.3	16.3	24.5

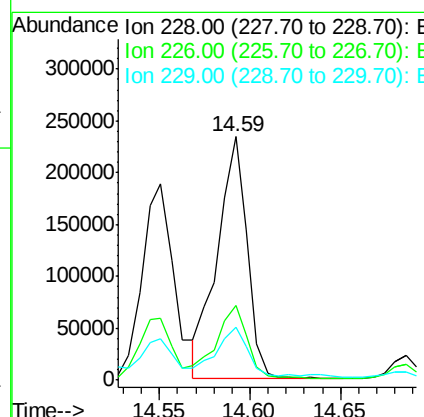
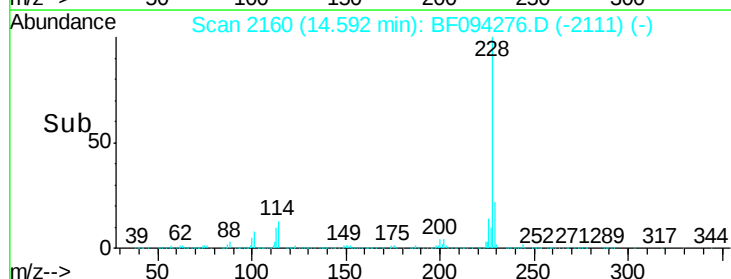
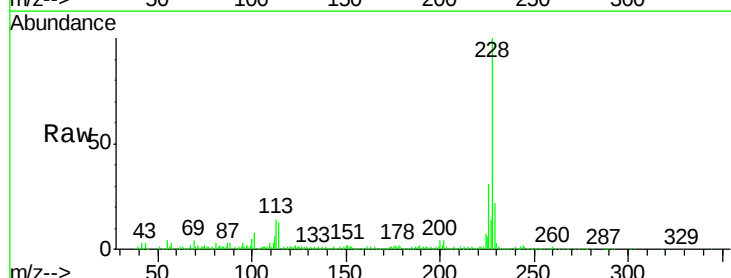
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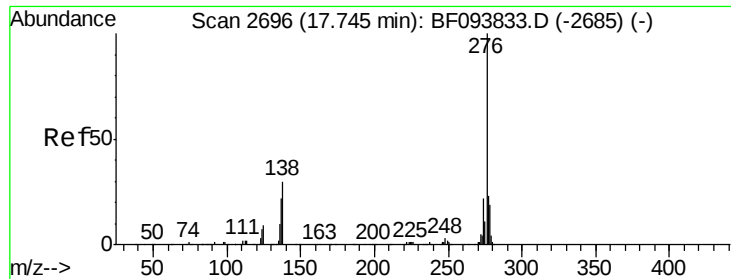
mohammad
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#82
Chrysene
Concen: 15.75 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.8	15.8	23.6





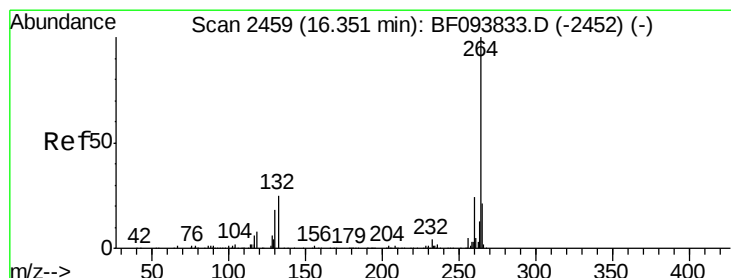
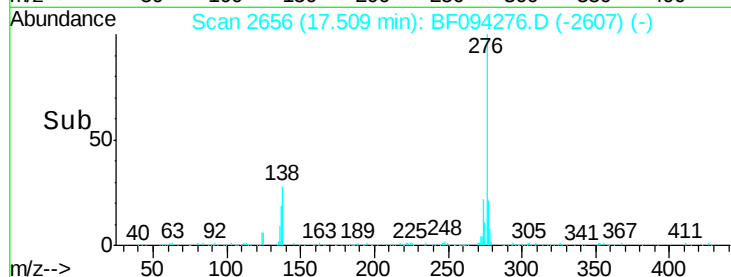
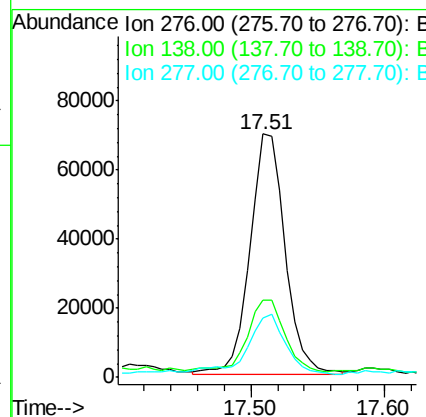
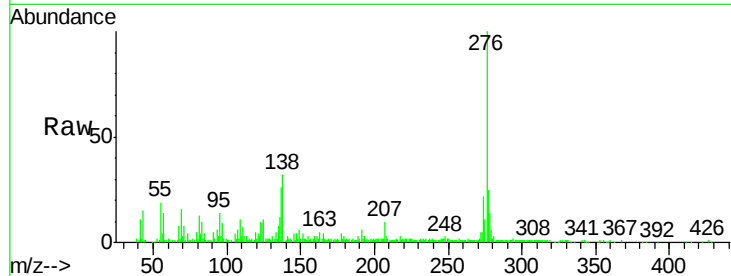
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.63 ng
RT: 17.51 min Scan# 2656
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampleId :
TS-3

Tot Ion:	276	Resp:	126642
Ion Ratio	Lower	Upper	
276	100		
138	31.7	27.8	41.6
277	27.2	20.2	30.4

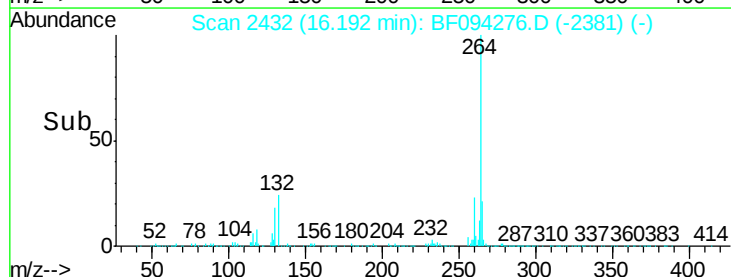
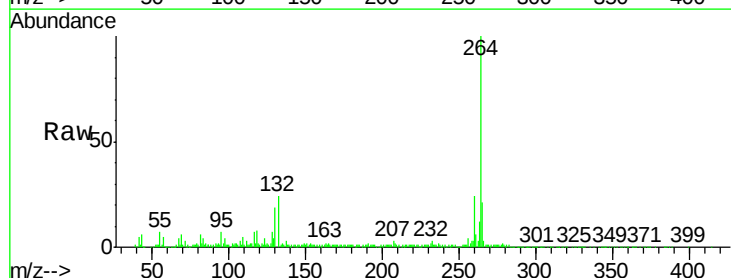
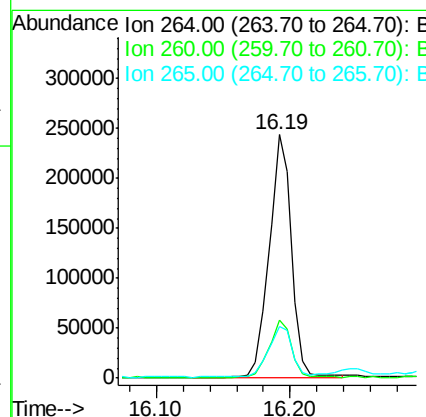
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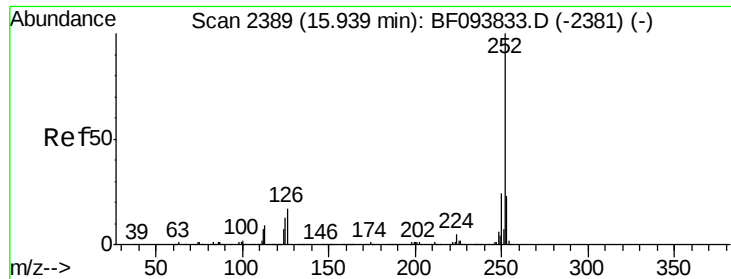
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion:	264	Resp:	280128
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.71 ng m

RT: 15.79 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Instrument :

BNA_F

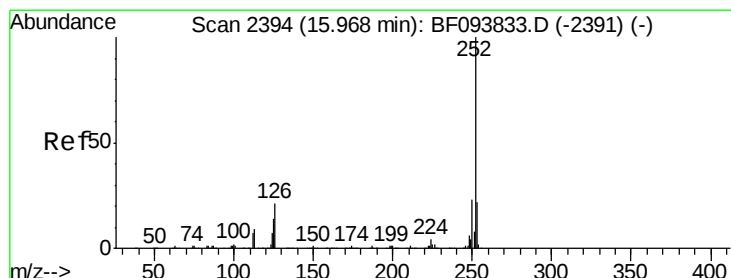
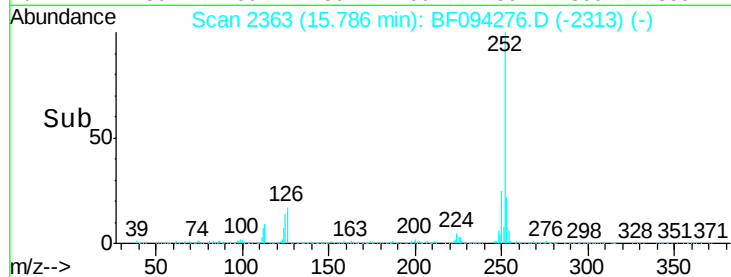
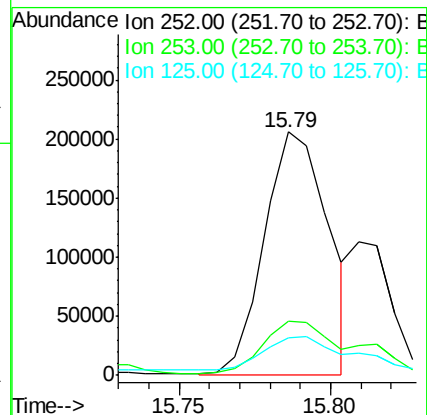
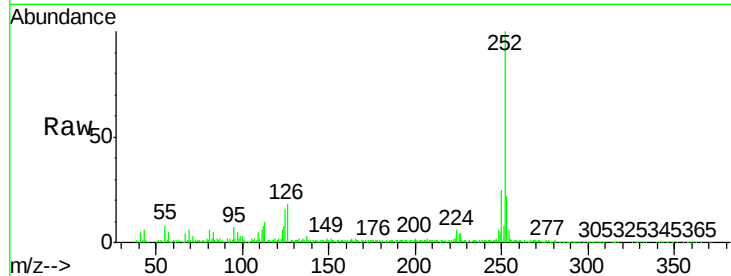
ClientSampled :

TS-3

Tot Ion:	252	Resp:	304108
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.6	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 6.30 ng m

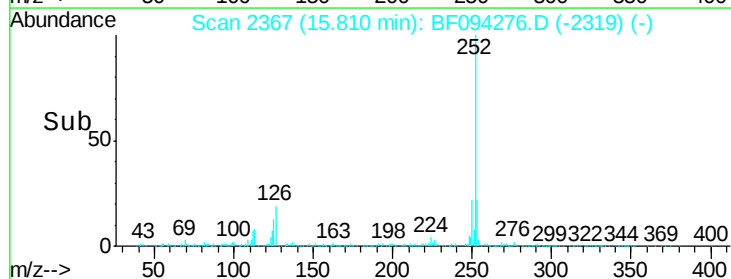
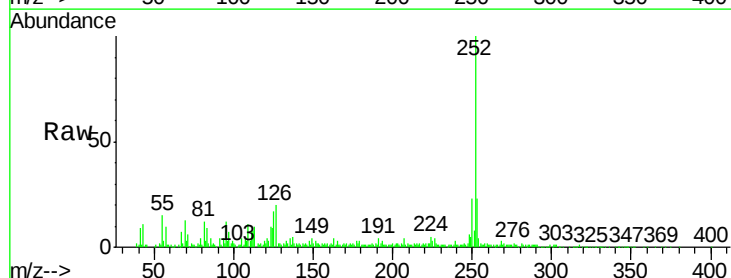
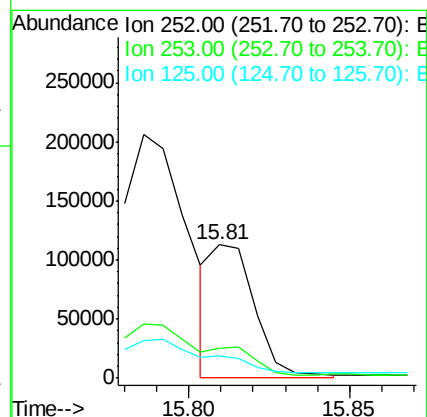
RT: 15.81 min Scan# 2367

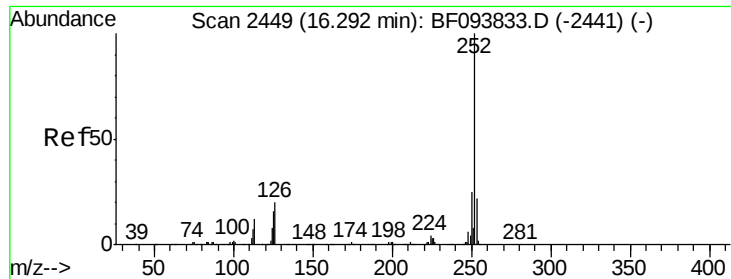
Delta R.T. -0.02 min

Lab File: BF094276.D

Acq: 7 Apr 2017 16:41

Tgt Ion:	252	Resp:	105876
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	16.8	13.1	19.7





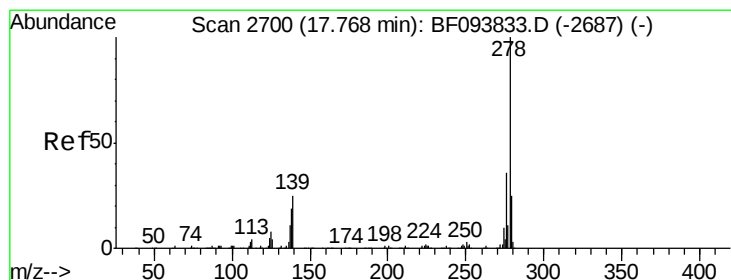
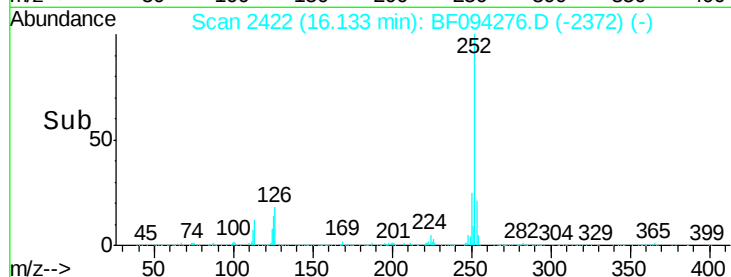
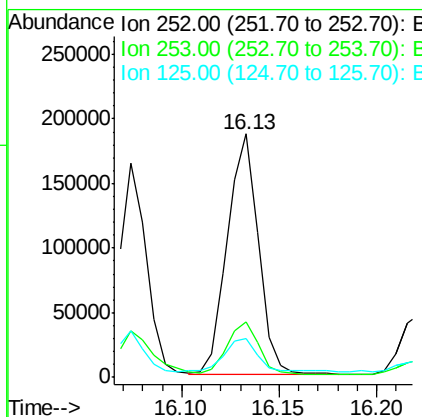
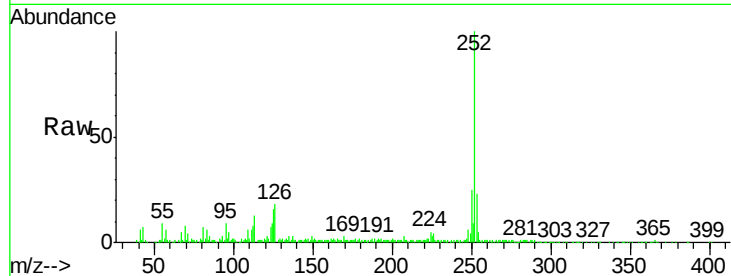
#89
Benzo(a)pyrene
Concen: 13.15 ng
RT: 16.13 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Instrument :
BNA_F
ClientSampled :
TS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.2	11.0	16.4

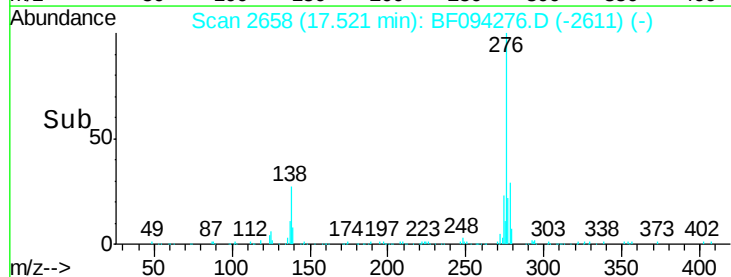
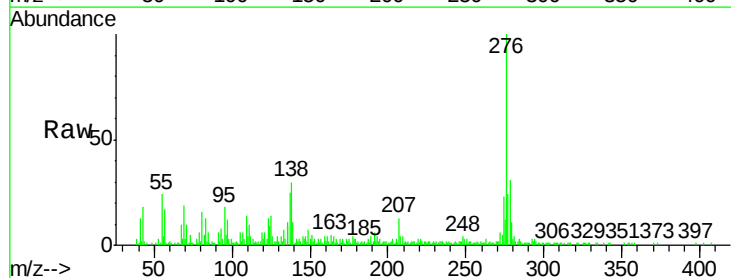
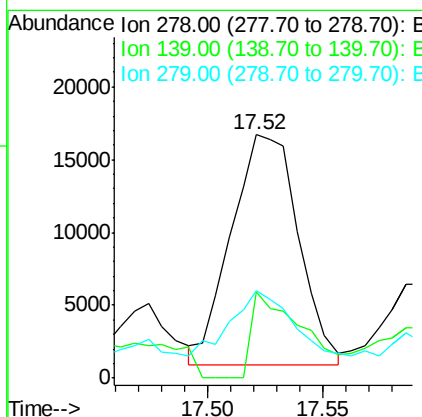
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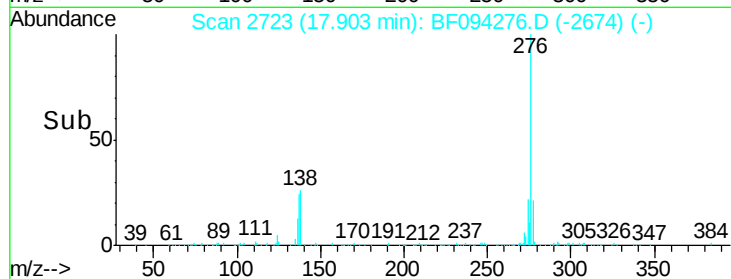
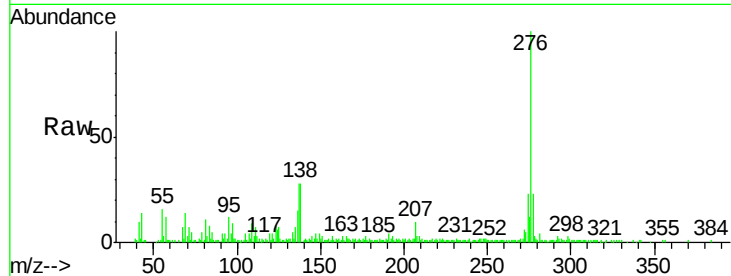
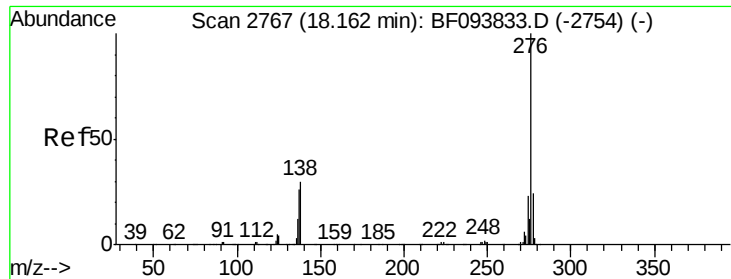
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.39 ng
RT: 17.52 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.3	16.6	24.8#
279	36.0	19.3	28.9#





#91
Benzo(a,h,i)perylene
Concen: 9.28 ng
RT: 17.90 min Scan# 2723
Delta R.T. -0.01 min
Lab File: BF094276.D
Acq: 7 Apr 2017 16:41

Tot Ion	Ratio	Resp	Lower	Upper
276	100	125173		
277	23.1		18.6	28.0
138	28.4		25.4	38.0

Instrument :
BNA_F
ClientSampleId :
TS-3

Manual Integrations
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