

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094631.D
 Acq On : 26 Apr 2017 4:12
 Operator : SJ/MA
 Sample : I2820-03 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB435A

Manual Integrations
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 4/26/2017 2:22:38 PM

Quant Time: Apr 26 13:45:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	106727	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	342474	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	138675	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	222038	20.00	ng	0.00
75) Chrysene-d12	14.47	240	220201	20.00	ng	0.00
86) Perylene-d12	16.09	264	160379	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	159828	24.85	ng	0.00
7) Phenol-d6	5.37	99	189118	24.94	ng	-0.02
23) Nitrobenzene-d5	6.40	82	173355	31.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.38	330	22712	20.94	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	155531	16.50	ng	0.00
78) Terphenyl-d14	13.19	244	136724	16.60	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.13	142	191865	17.03	ng	# 94
51) Acenaphthene	9.44	154	123275	14.66	ng	92
54) Dibenzofuran	9.65	168	87326	7.14	ng	# 54
57) Fluorene	10.08	166	201995	21.22	ng	# 84
70) Phenanthrene	11.25	178	846394	67.69	ng	98
71) Anthracene	11.31	178	225639m	17.45	ng	
72) Carbazole	11.52	167	39942	3.29	ng	# 24
74) Fluoranthene	12.71	202	801992	61.89	ng	98
77) Pyrene	12.99	202	886367	57.61	ng	97
80) Benzo(a)anthracene	14.45	228	590780	46.16	ng	96
82) Chrysene	14.50	228	516099m	44.12	ng	
85) Indeno(1,2,3-cd)pyrene	17.38	276	358264	32.19	ng	95
87) Benzo(b)fluoranthene	15.70	252	708729m	72.24	ng	
88) Benzo(k)fluoranthene	15.72	252	239853m	25.83	ng	
89) Benzo(a)pyrene	16.04	252	571600	62.62	ng	96
90) Dibenzo(a,h)anthracene	17.38	278	82269	10.86	ng	# 86
91) Benzo(g,h,i)perylene	17.75	276	341205	44.22	ng	98

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

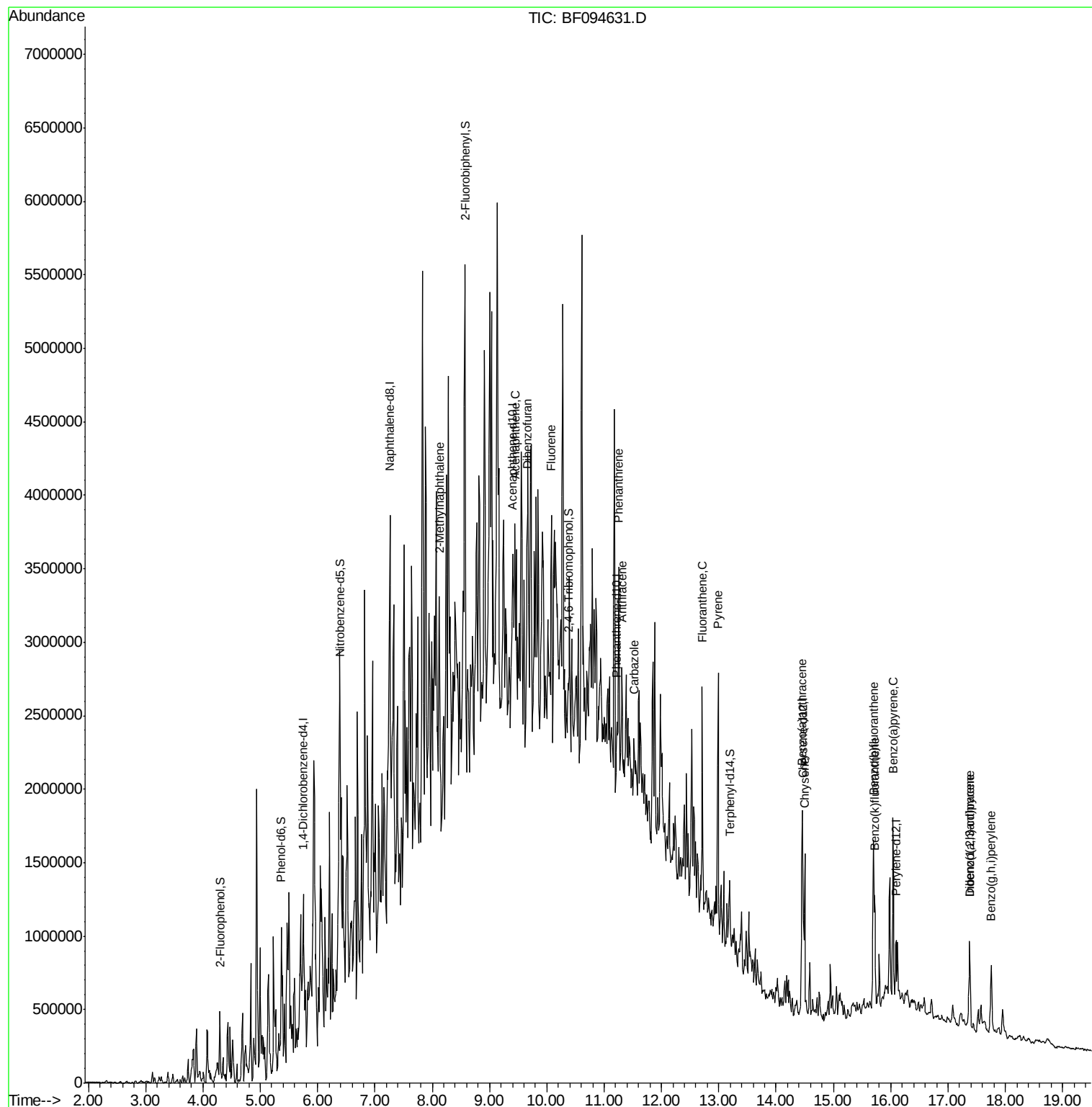
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
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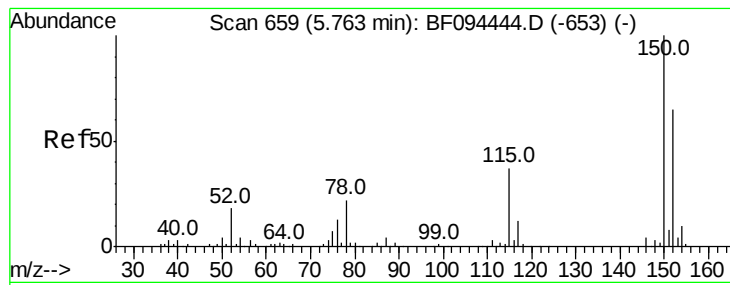
Instrument :
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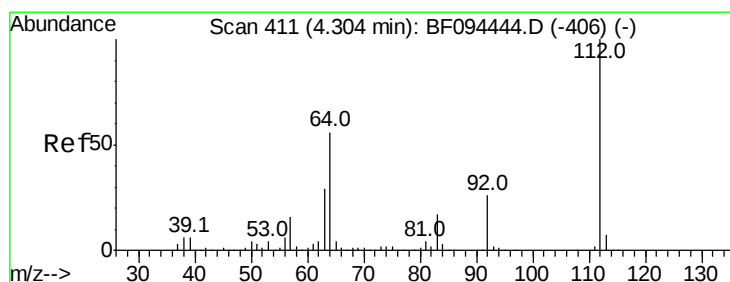
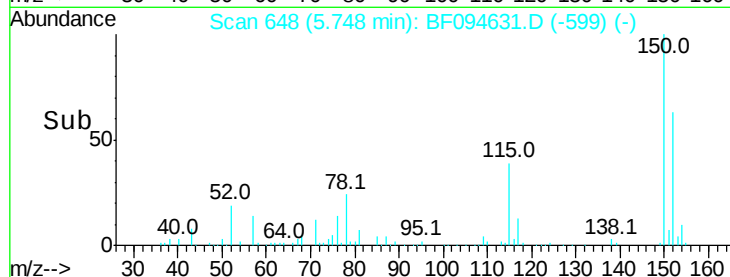
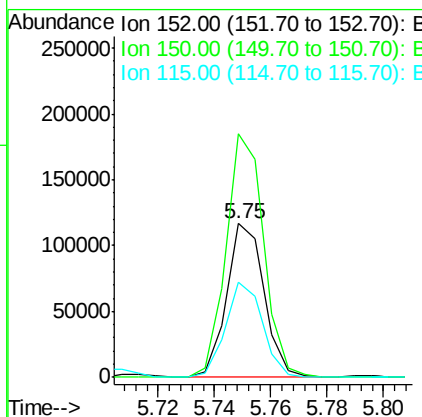
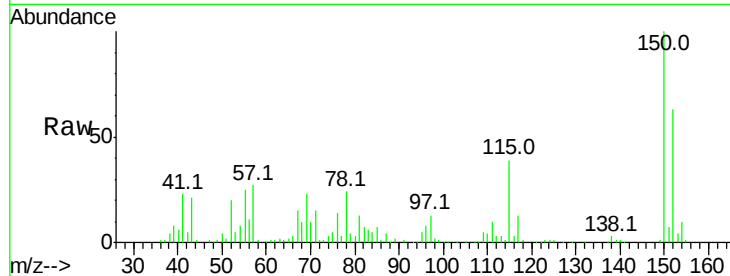
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.75 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF094631.D
 Acq: 26 Apr 2017 4:12

Instrument :
 BNA_F
 ClientSampleID :
 HY-SB435A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	61.8	52.2	78.2

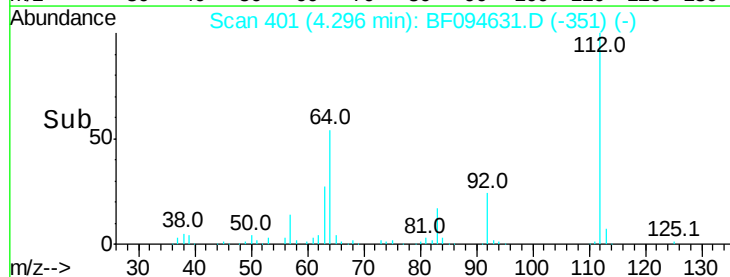
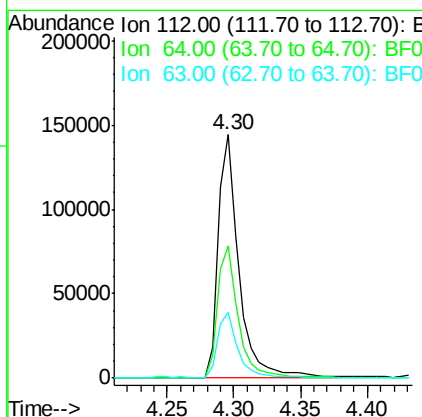
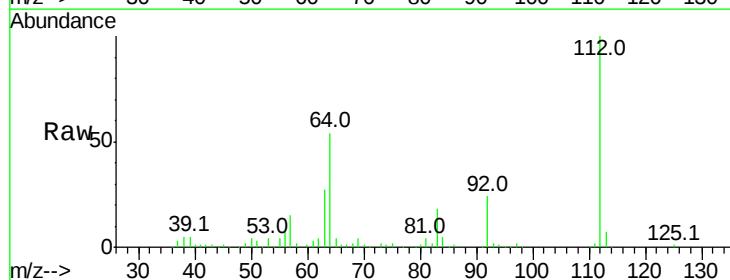
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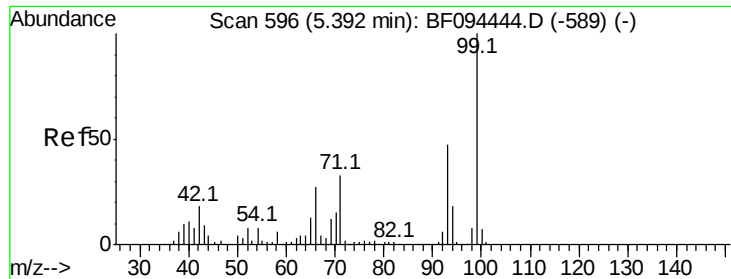
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#5
 2-Fluorophenol
 Concen: 24.85 ng
 RT: 4.30 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BF094631.D
 Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 24.94 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

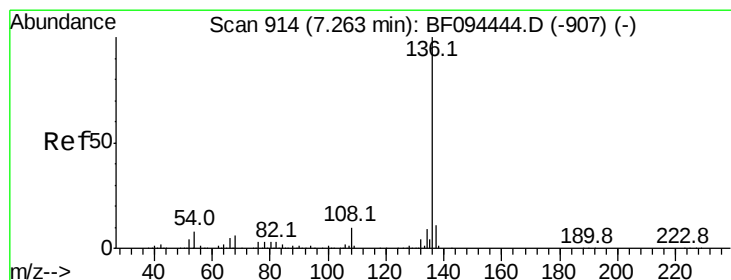
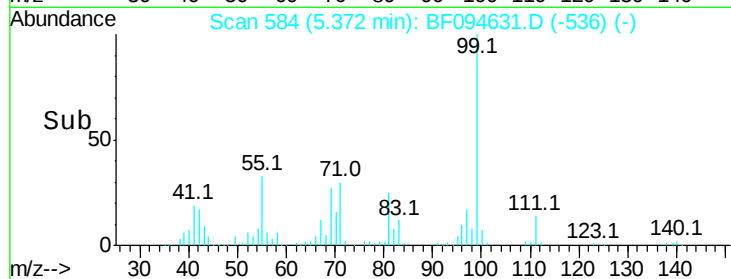
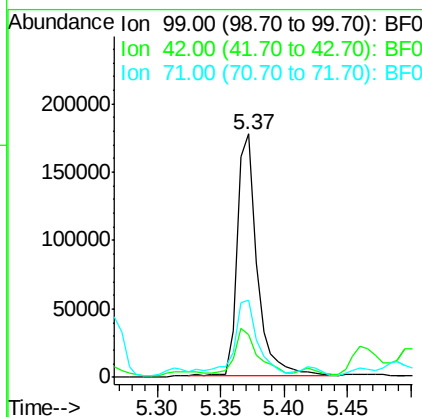
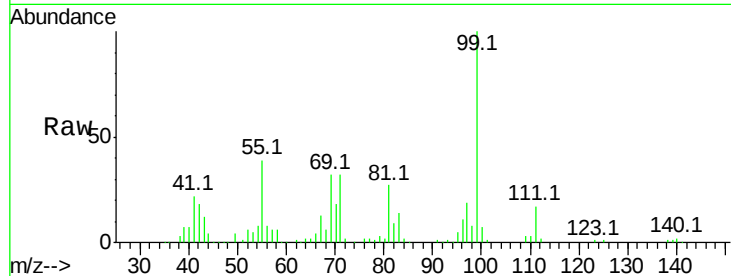
ClientSampleId :

HY-SB435A

Tot Ion:	99	Resp:	189118
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.5	20.3
71	31.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

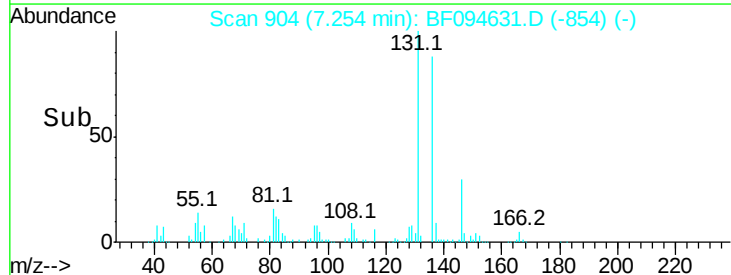
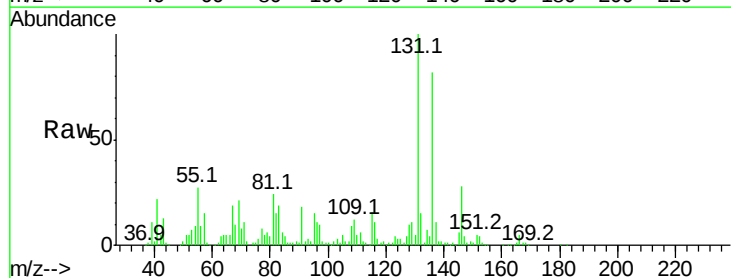
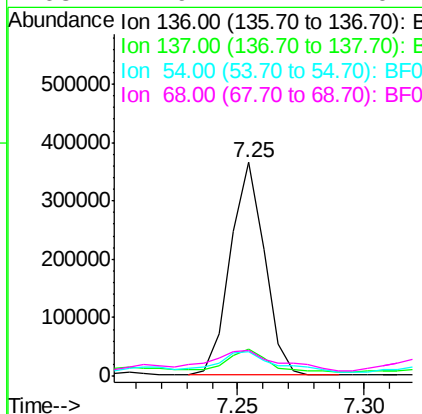
RT: 7.25 min Scan# 904

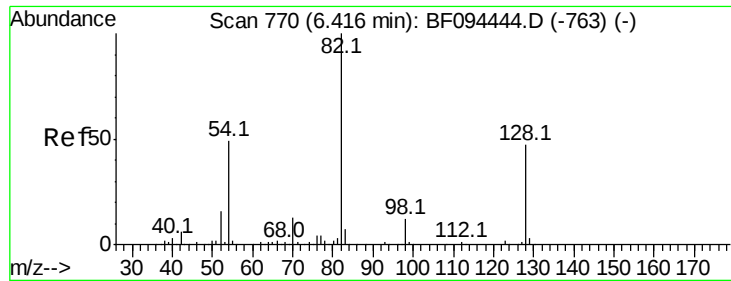
Delta R.T. -0.01 min

Lab File: BF094631.D

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Tgt Ion:	136	Resp:	342474
Ion Ratio	Lower	Upper	
136	100		
137	12.9	8.5	12.7#
54	11.6	4.9	7.3#
68	11.9	4.1	6.1#





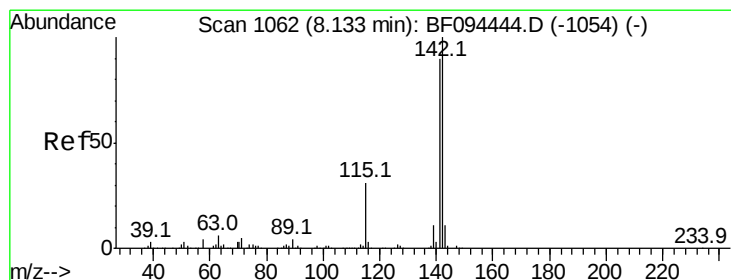
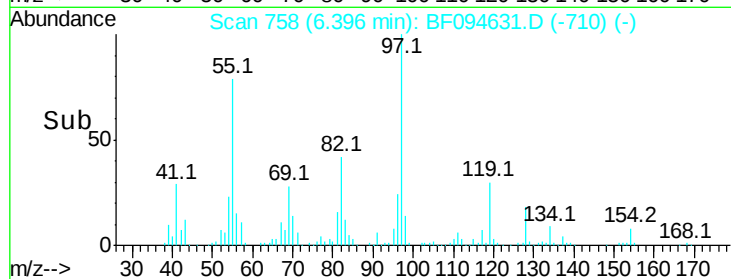
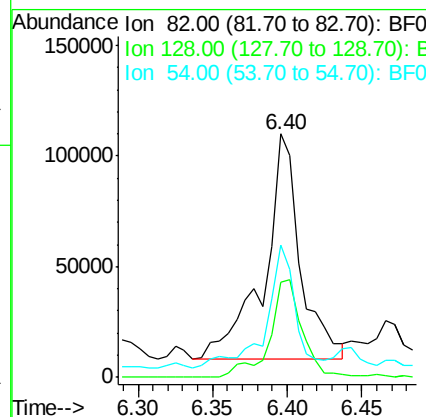
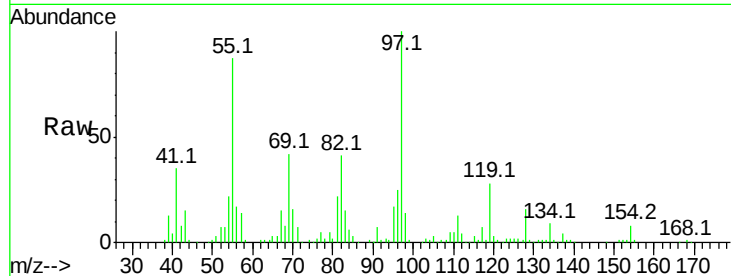
#23
 Nitrobenzene-d5
 Concen: 31.26 ng
 RT: 6.40 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: BF094631.D
 Acq: 26 Apr 2017 4:12

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB435A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.1	34.0	51.0	
54	54.2	42.2	63.2	

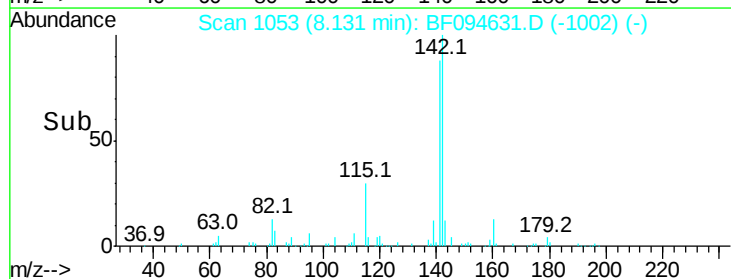
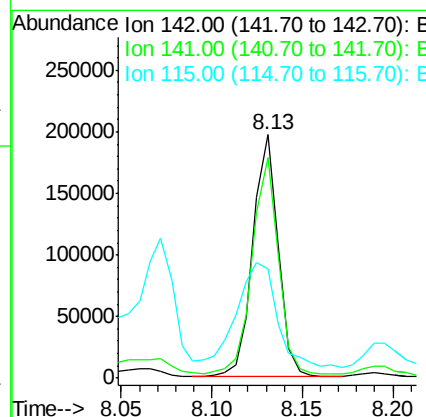
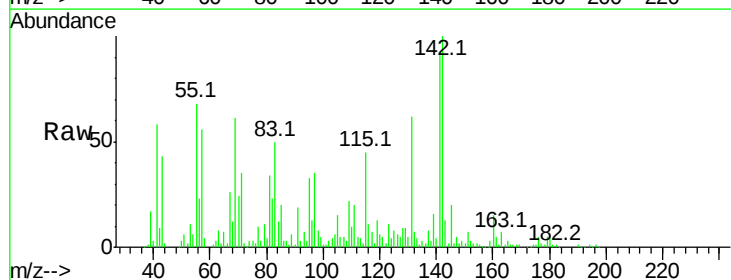
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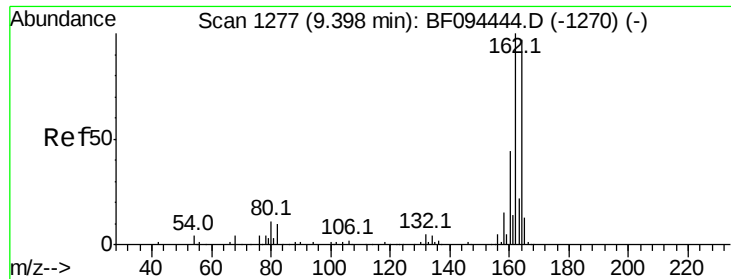
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#37
 2-Methylnaphthalene
 Concen: 17.03 ng
 RT: 8.13 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF094631.D
 Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	90.6	71.3	106.9	
115	44.7	27.1	40.7#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

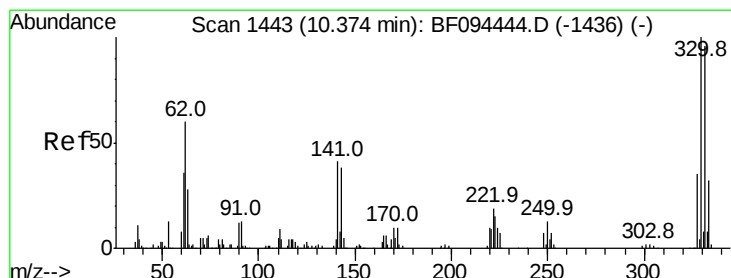
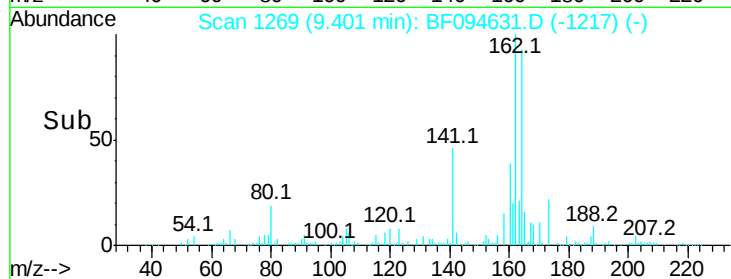
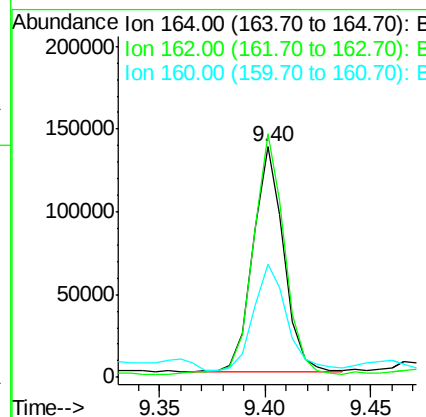
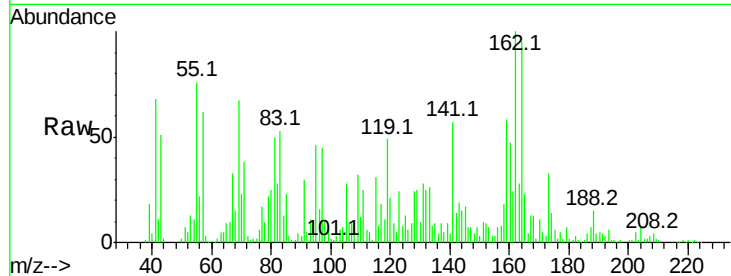
ClientSampleId :

HY-SB435A

Tot Ion:	164	Resp:	138675
Ion Ratio	Lower	Upper	
164	100		
162	105.7	82.6	123.8
160	49.3	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 20.94 ng

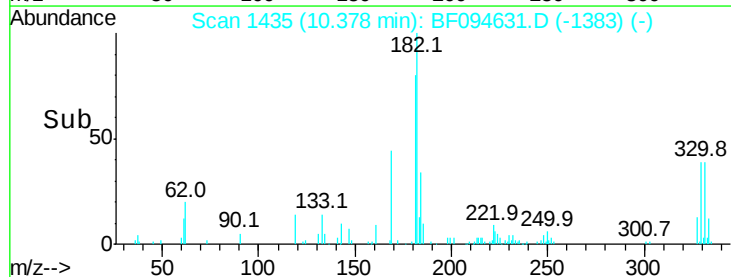
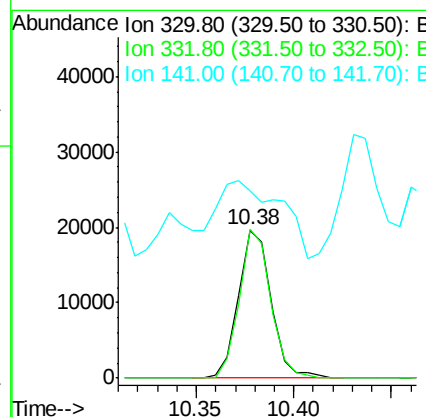
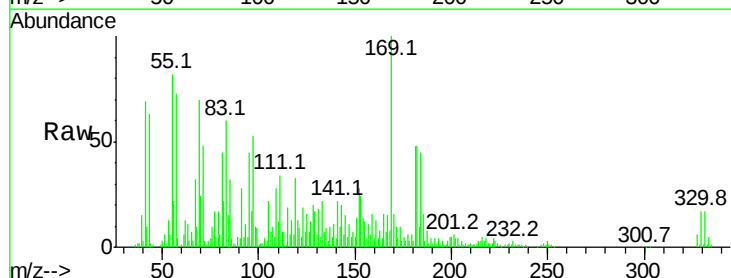
RT: 10.38 min Scan# 1435

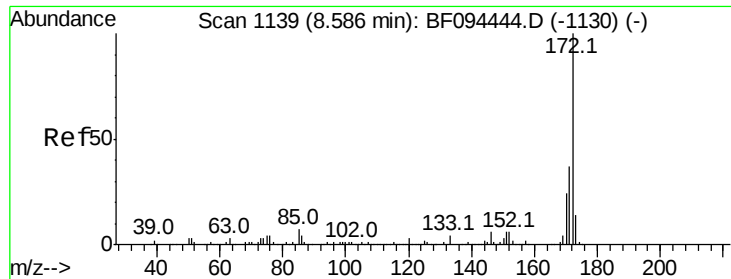
Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion:	330	Resp:	22712
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.6	115.0
141	99.9	31.4	47.2#





#44

2-Fluorobiphenyl

Concen: 16.50 ng

RT: 8.58 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

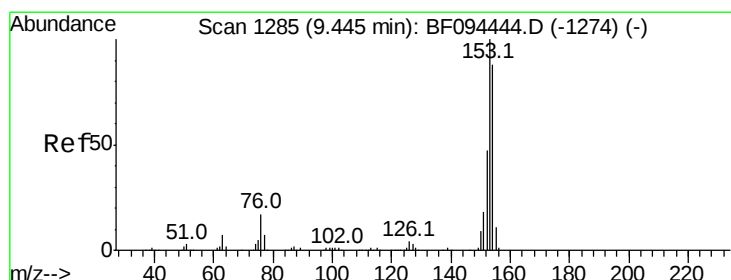
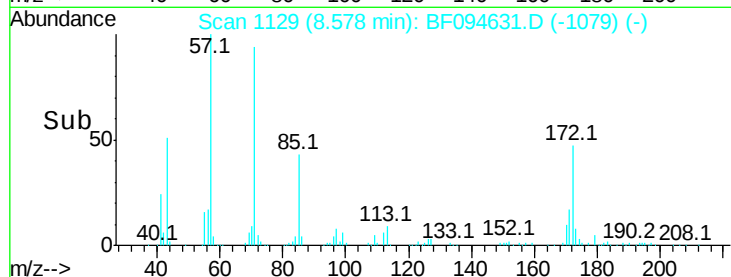
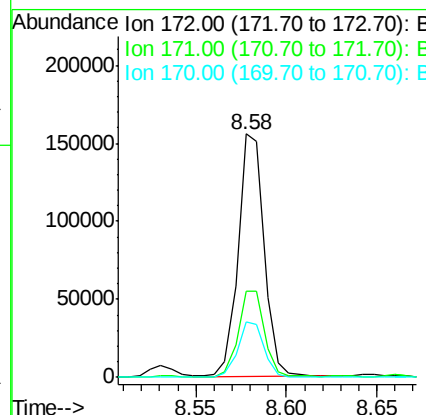
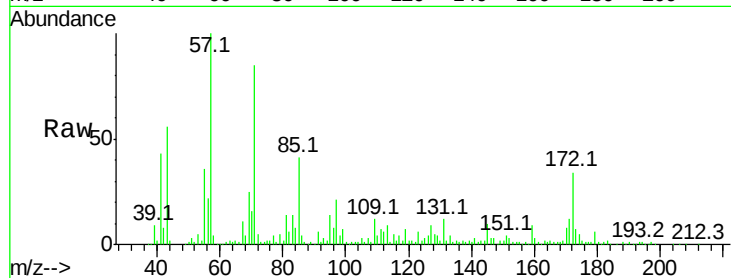
ClientSampleId :

HY-SB435A

Tot Ion:	172	Resp:	155531
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.6	44.4
170	22.9	19.8	29.8

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#51

Acenaphthene

Concen: 14.66 ng

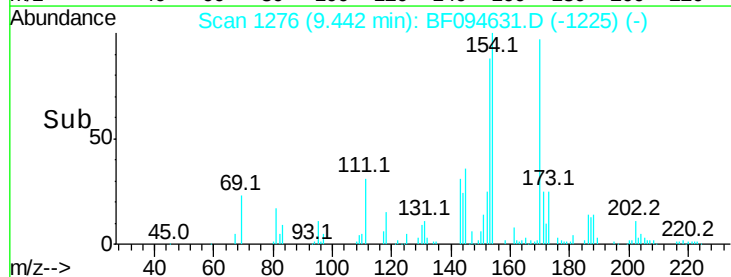
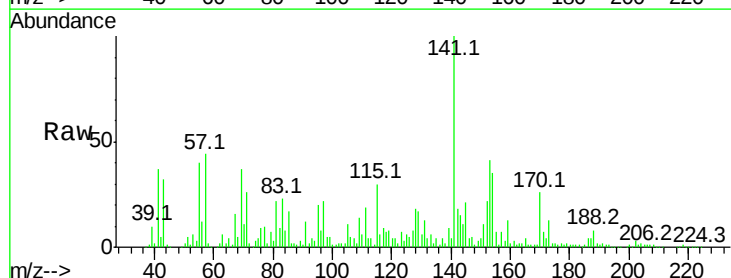
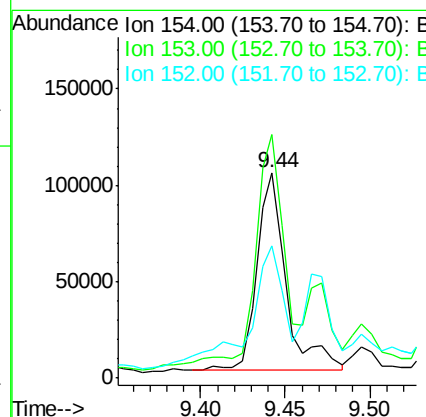
RT: 9.44 min Scan# 1276

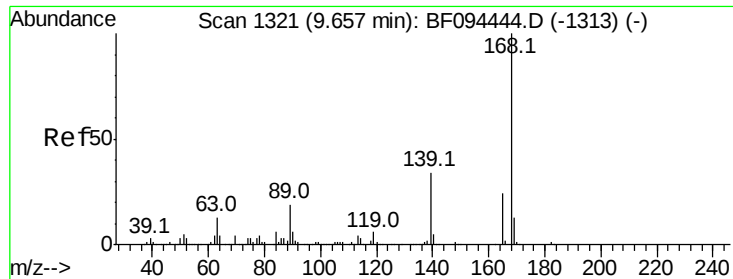
Delta R.T. -0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion:	154	Resp:	123275
Ion Ratio	Lower	Upper	
154	100		
153	118.3	90.5	135.7
152	64.3	43.6	65.4





#54

Dibenzofuran

Concen: 7.14 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

ClientSampleId :

HY-SB435A

Tot Ion:168 Resp: 87326

Ion Ratio Lower Upper

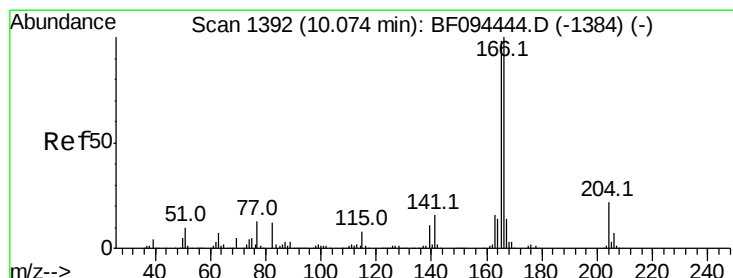
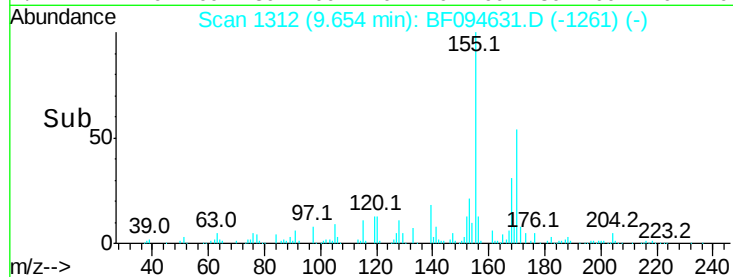
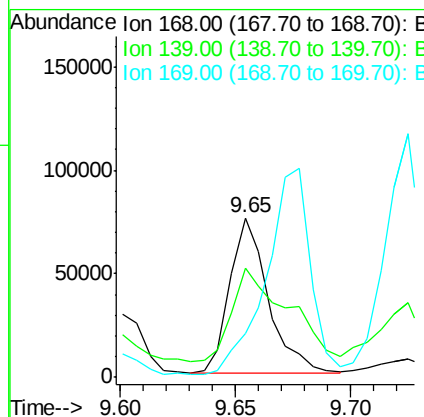
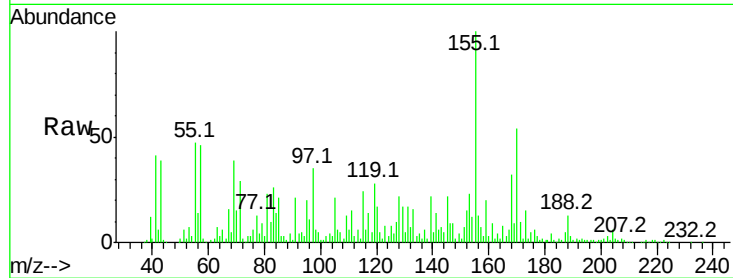
168 100

139 68.3 30.6 45.8#

169 27.7 10.8 16.2#

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#57

Fluorene

Concen: 21.22 ng

RT: 10.08 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

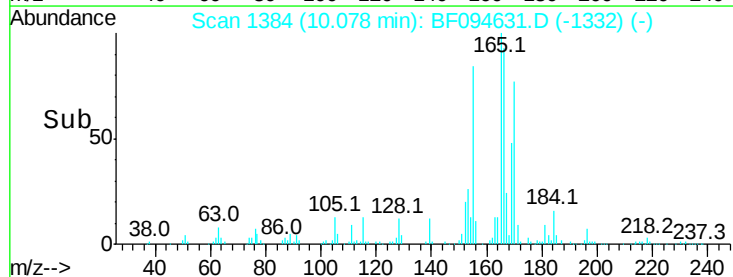
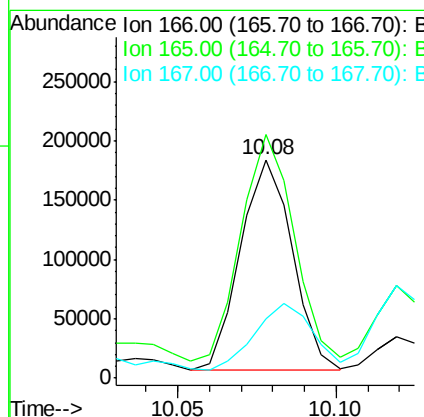
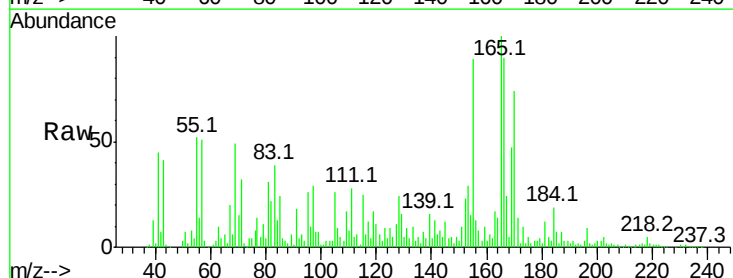
Tgt Ion:166 Resp: 201995

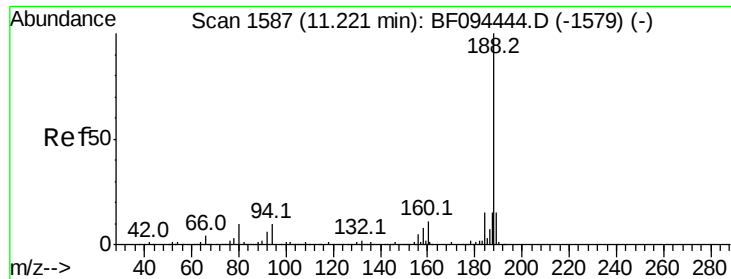
Ion Ratio Lower Upper

166 100

165 111.5 78.8 118.2

167 26.9 10.6 16.0#





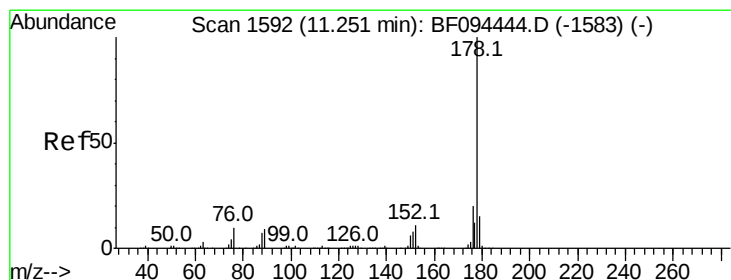
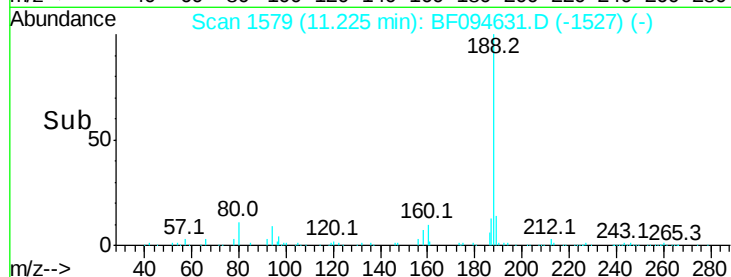
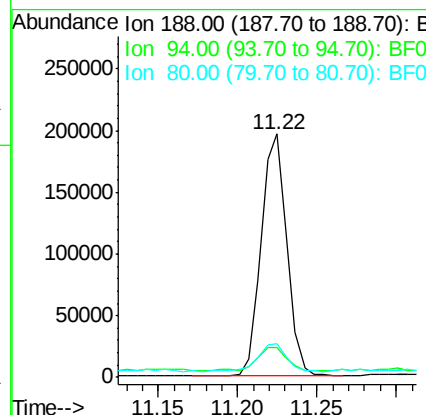
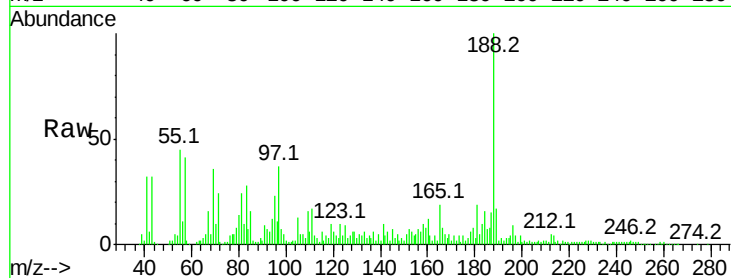
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Instrument :
BNA_F
ClientSampleId :
HY-SB435A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	222038		
94	12.4		9.4	14.2
80	13.8		10.2	15.2

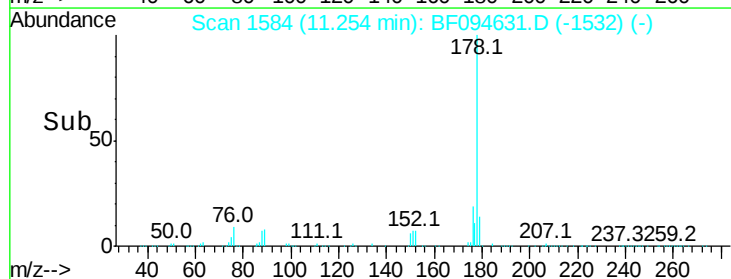
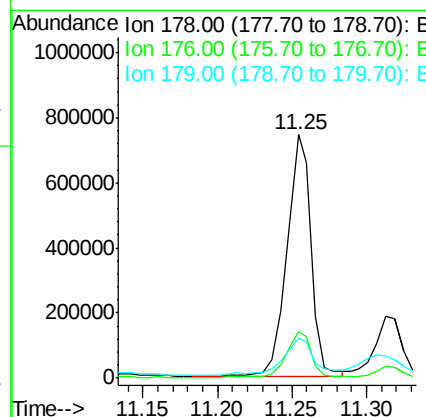
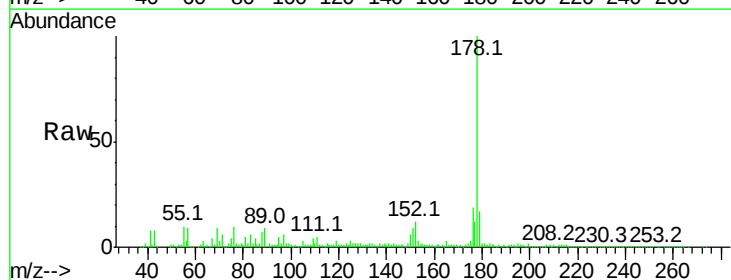
Manual Integrations
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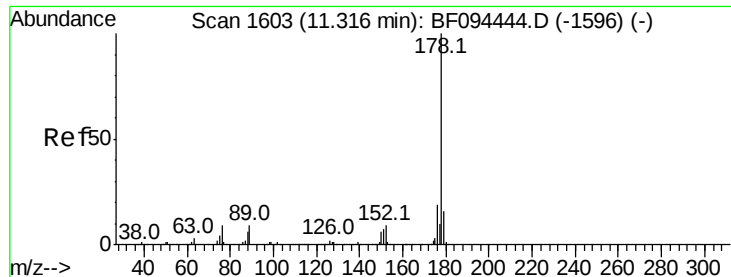
mohammad
4/26/2017 2:22:38 PM



#70
Phenanthrene
Concen: 67.69 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	846394		
176	19.3		16.2	24.4
179	16.6		12.6	19.0





#71

Anthracene

Concen: 17.45 ng/mL

RT: 11.31 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

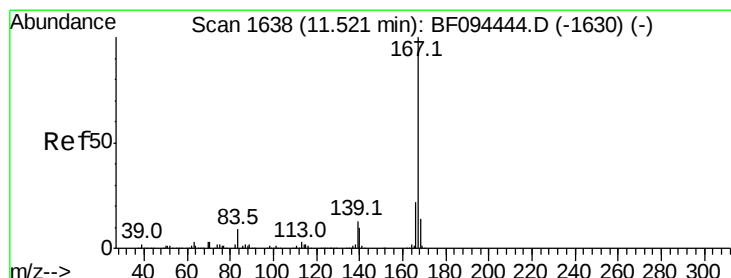
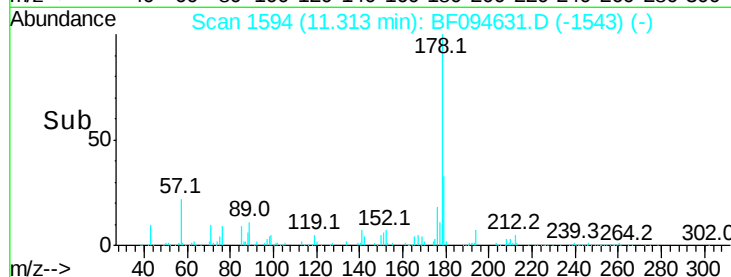
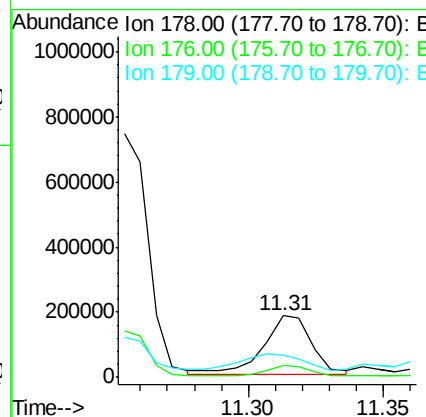
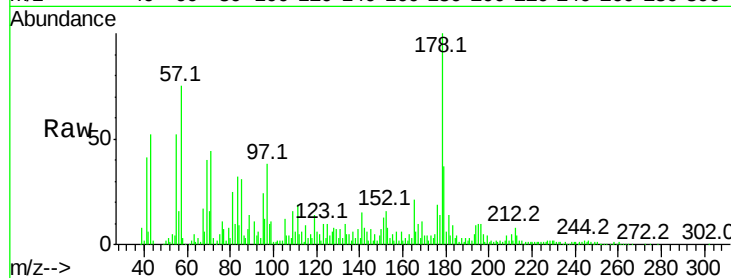
ClientSampleId :

HY-SB435A

Tot Ion:	178	Resp:	225639
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	36.9	12.7	19.1#

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#72

Carbazole

Concen: 3.29 ng/mL

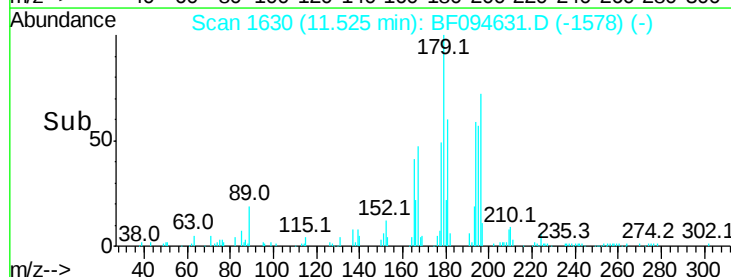
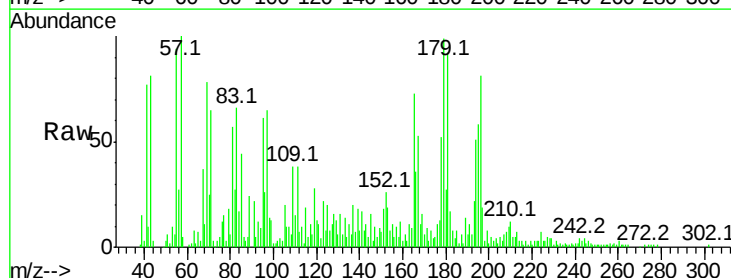
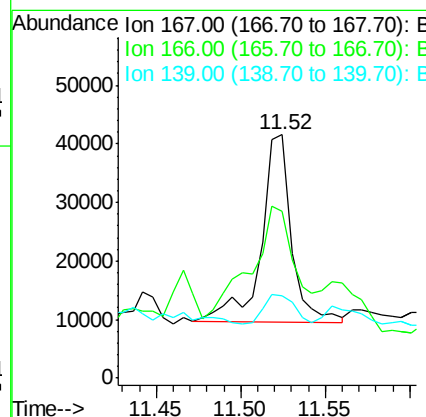
RT: 11.52 min Scan# 1630

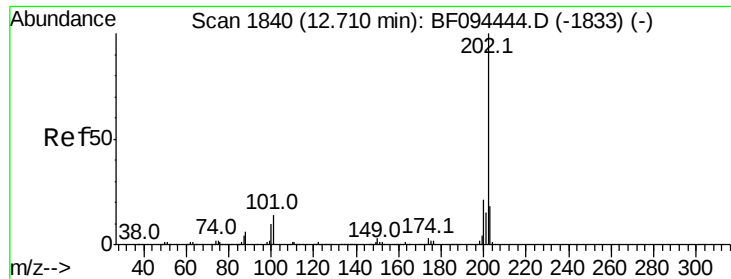
Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion:	167	Resp:	39942
Ion Ratio	Lower	Upper	
167	100		
166	68.5	18.1	27.1#
139	33.7	11.7	17.5#





#74

Fluoranthene

Concen: 61.89 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

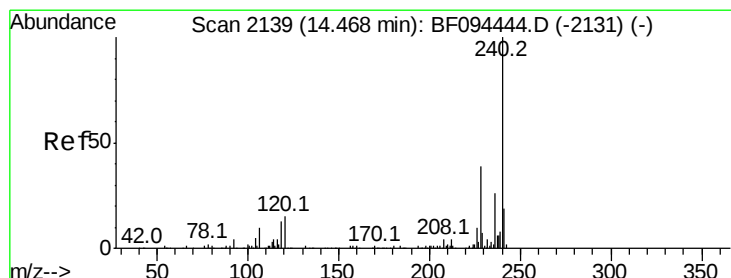
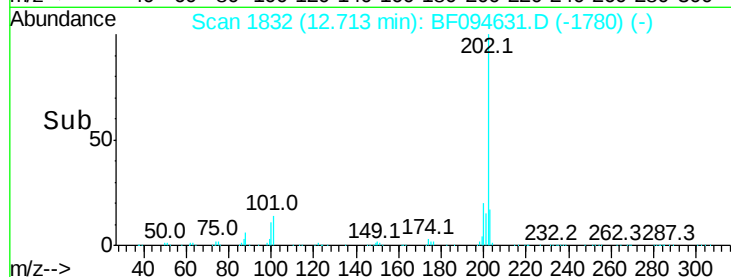
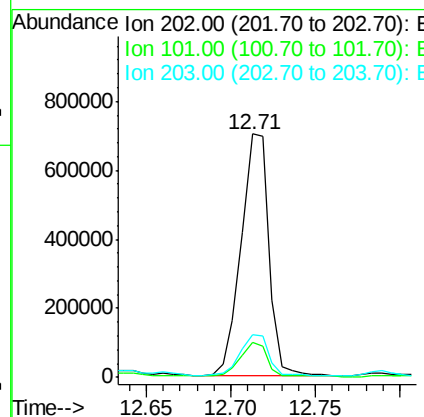
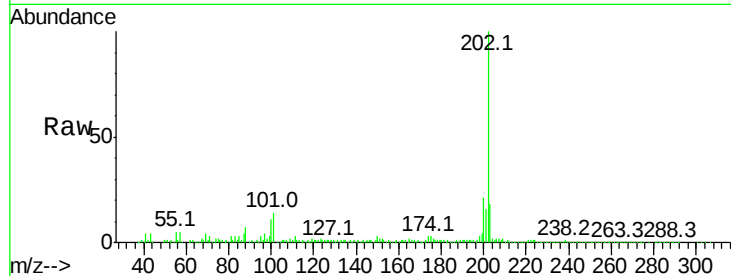
ClientSampleId :

HY-SB435A

Tot Ion:	202	Resp:	801992
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	33.2
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

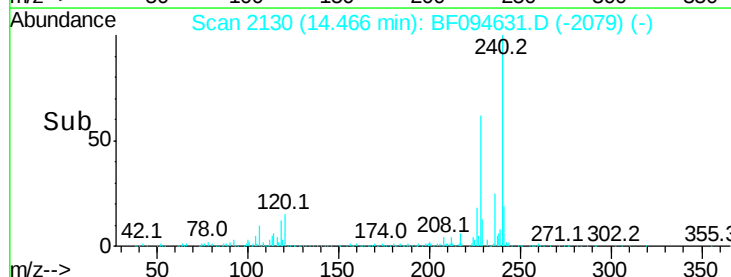
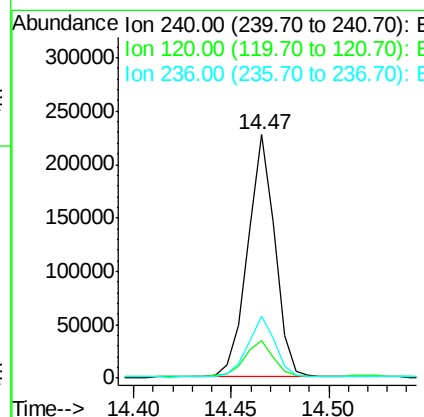
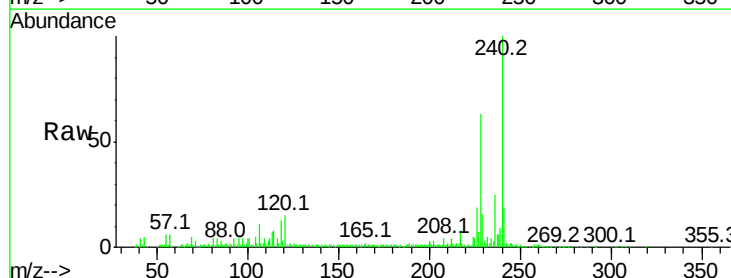
RT: 14.47 min Scan# 2130

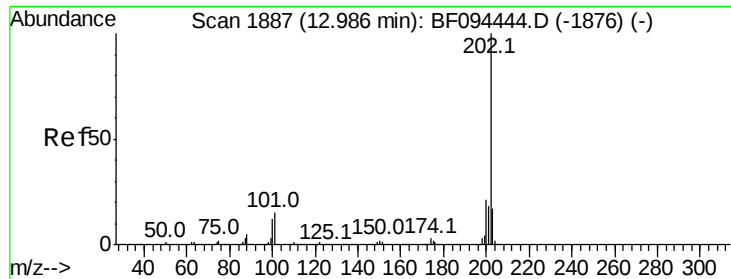
Delta R.T. -0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion:	240	Resp:	220201
Ion Ratio	Lower	Upper	
240	100		
120	15.4	5.8	8.8#
236	25.5	20.5	30.7





#77

Pvrene

Concen: 57.61 ng

RT: 12.99 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Instrument :

BNA_F

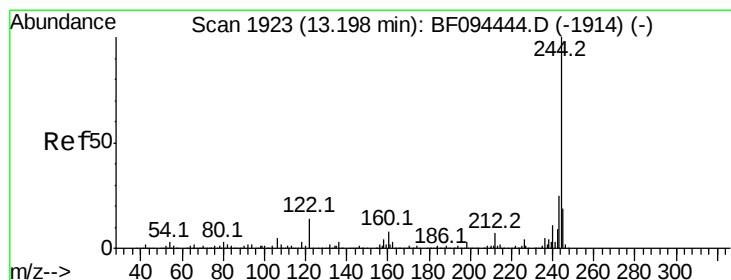
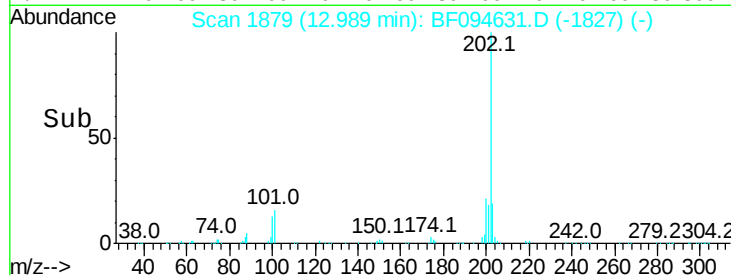
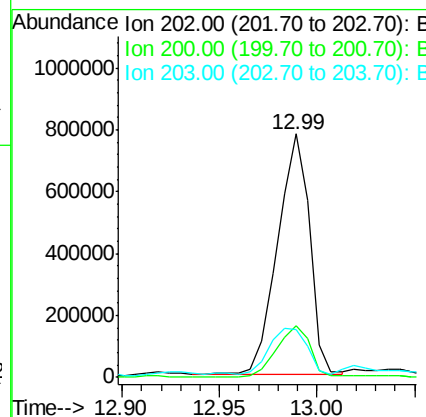
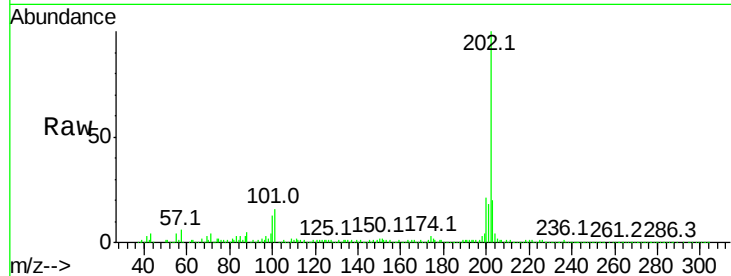
ClientSampled :

HY-SB435A

Tot Ion:	202	Resp:	886367
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	19.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 16.60 ng

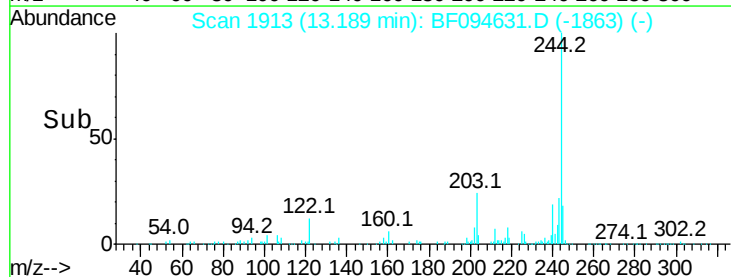
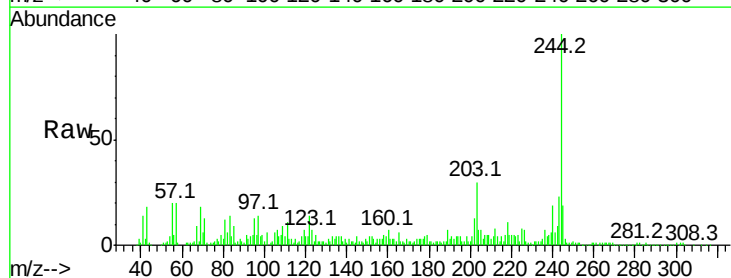
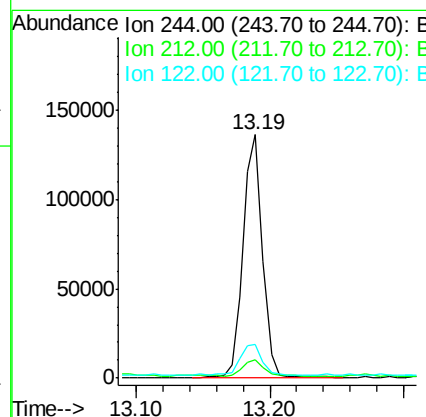
RT: 13.19 min Scan# 1913

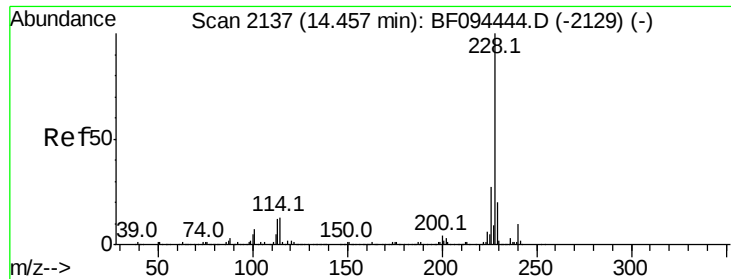
Delta R.T. -0.01 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion:	244	Resp:	136724
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	13.9	10.3	15.5





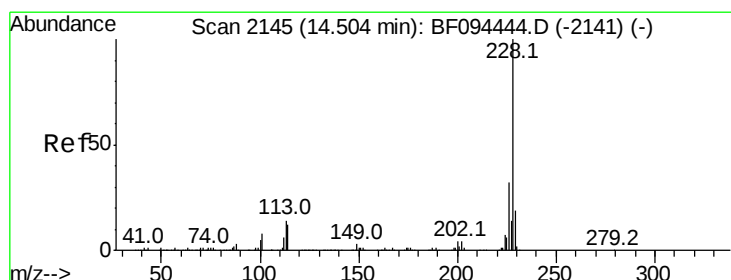
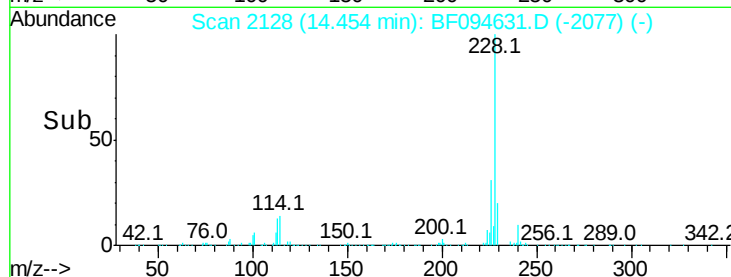
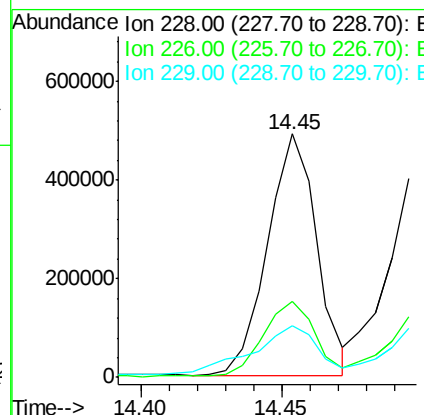
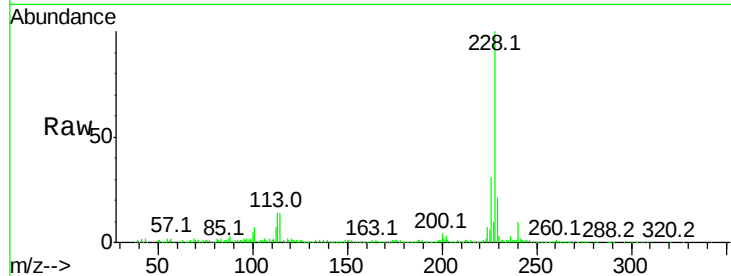
#80
Benzo(a)anthracene
Concen: 46.16 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Instrument :
BNA_F
ClientSampleId :
HY-SB435A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	21.1	16.3	24.5

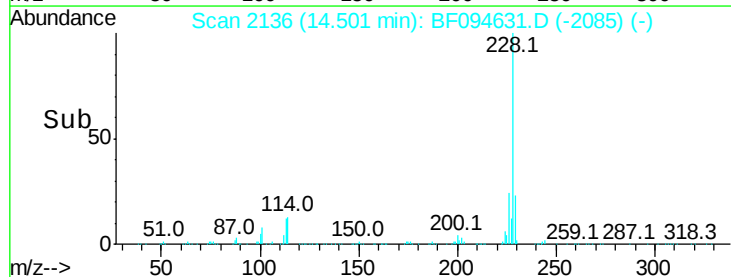
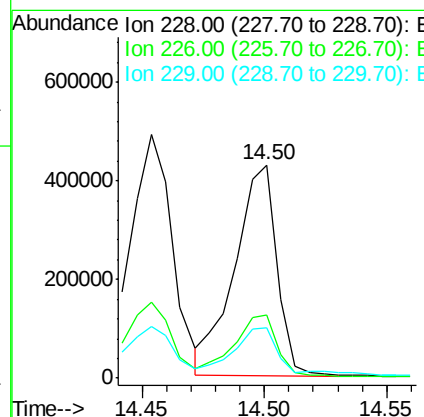
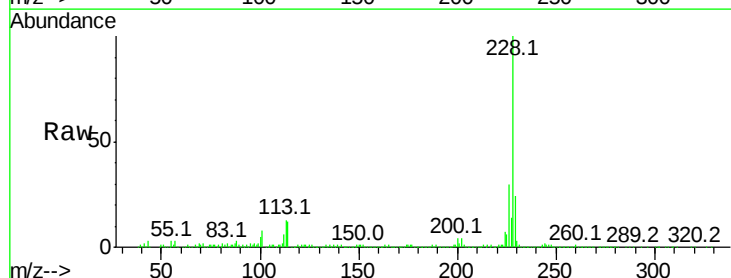
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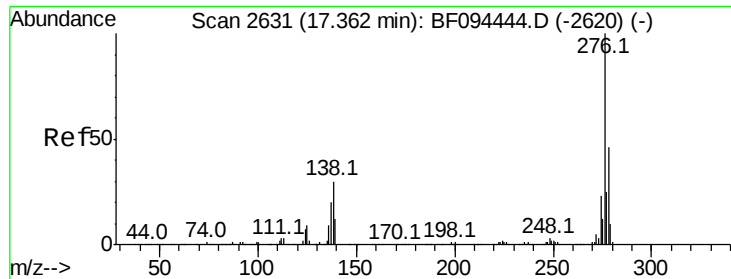
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#82
Chrysene
Concen: 44.12 ng m
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	23.7	15.8	23.6#





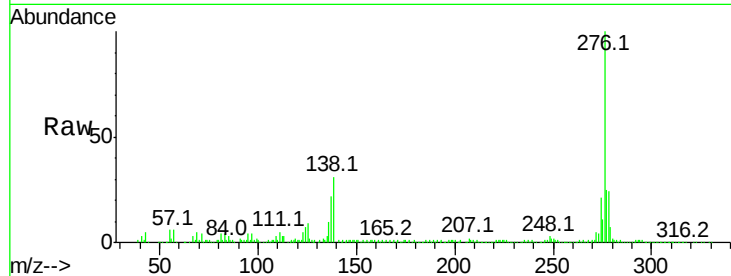
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.19 ng
RT: 17.38 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Instrument :
BNA_F
ClientSampled :
HY-SB435A

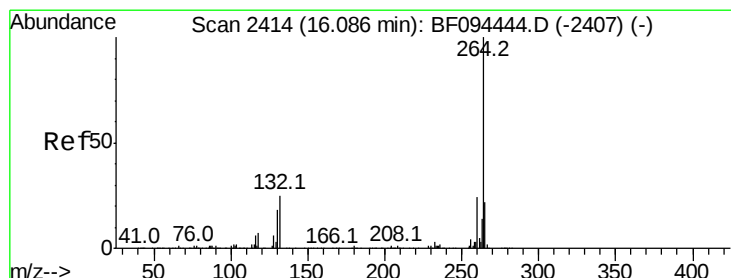
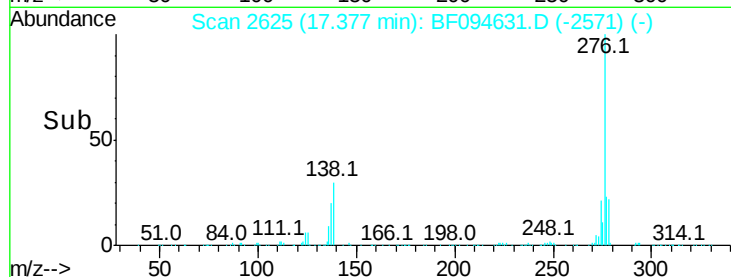
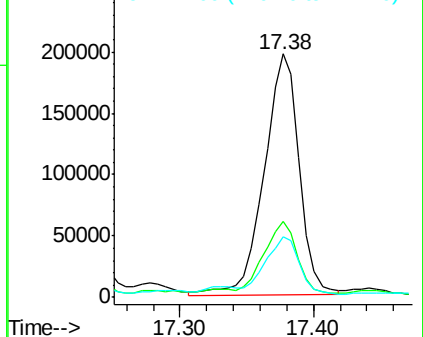
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	27.8	41.6
277	22.5	20.2	30.4

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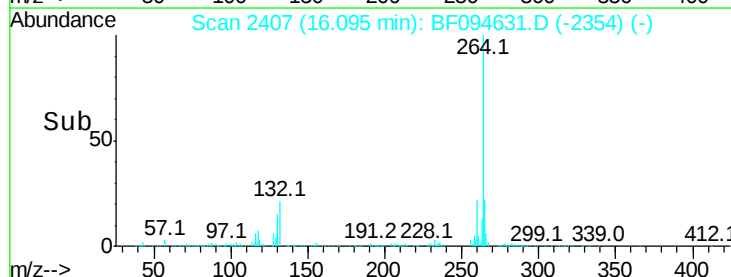
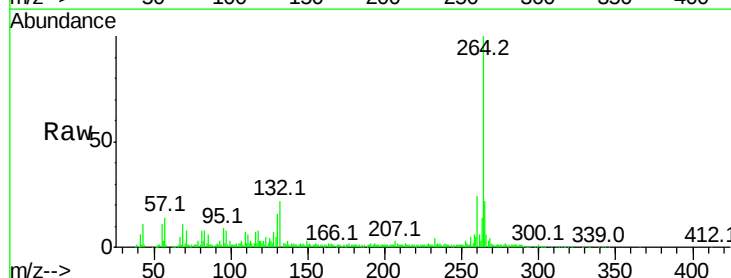
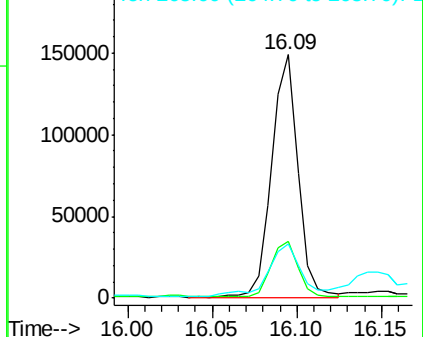
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

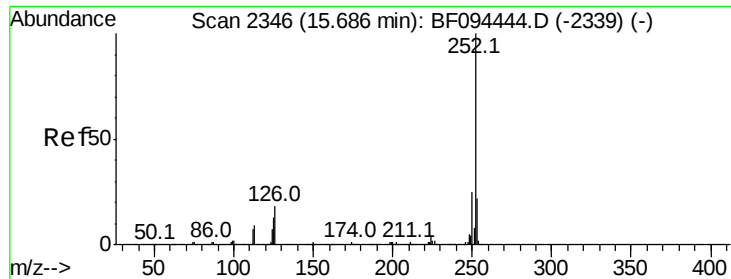


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.2	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 72.24 ng m

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094631.D

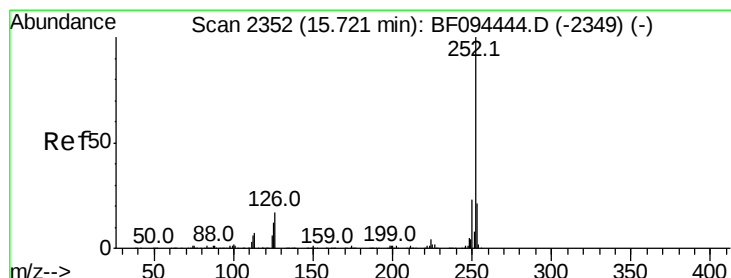
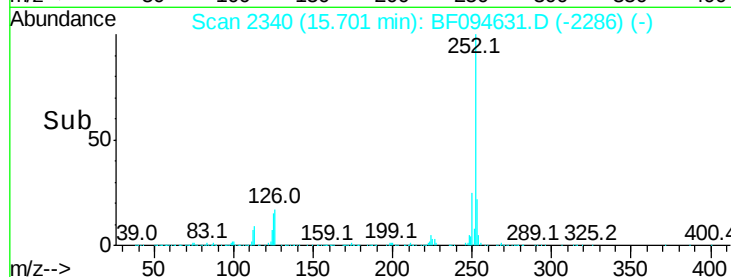
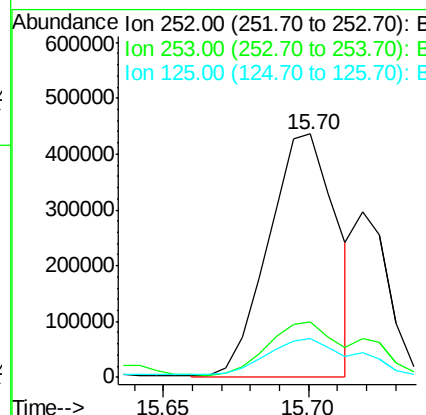
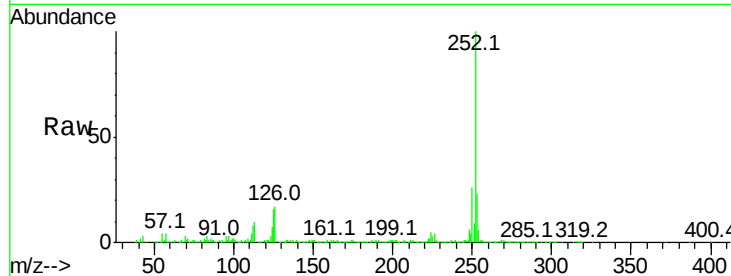
Acq: 26 Apr 2017 4:12

Instrument :
BNA_F
ClientSampleId :
HY-SB435A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.8	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 25.83 ng m

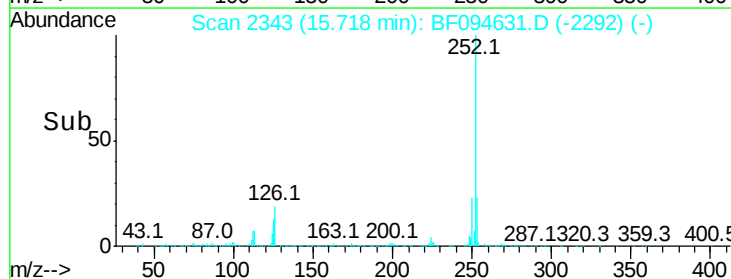
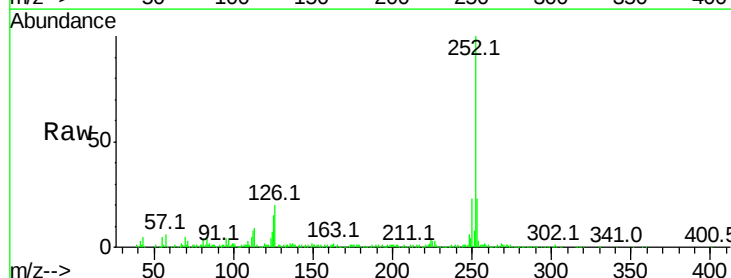
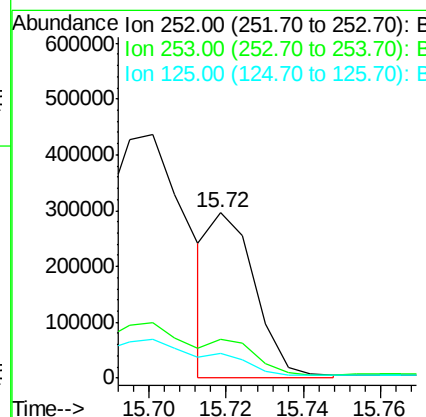
RT: 15.72 min Scan# 2343

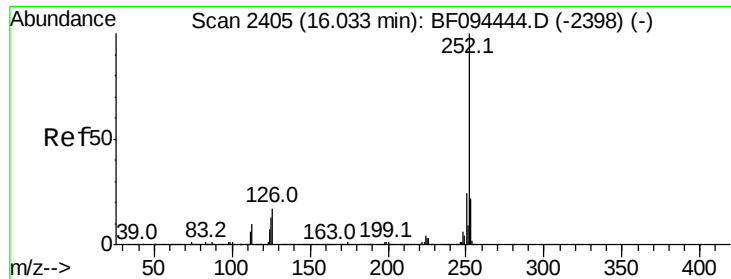
Delta R.T. -0.00 min

Lab File: BF094631.D

Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.9	13.1	19.7





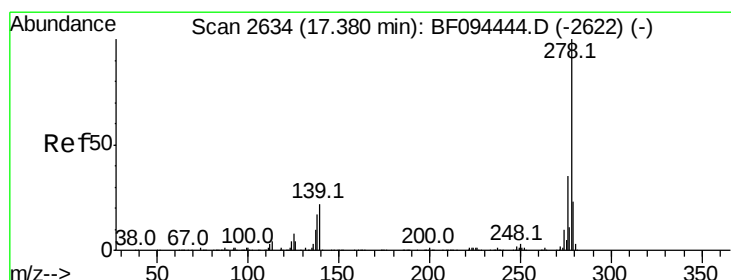
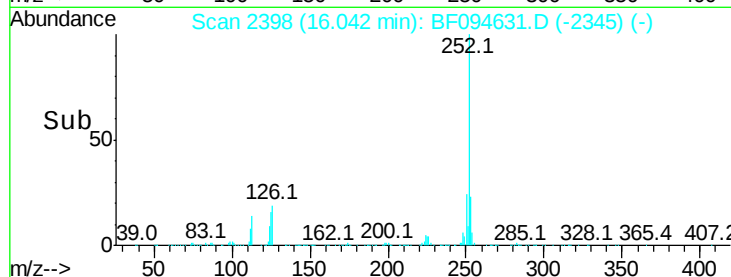
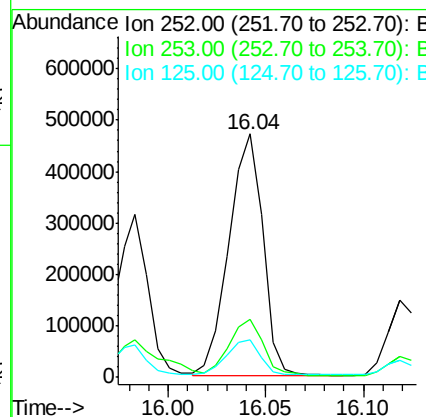
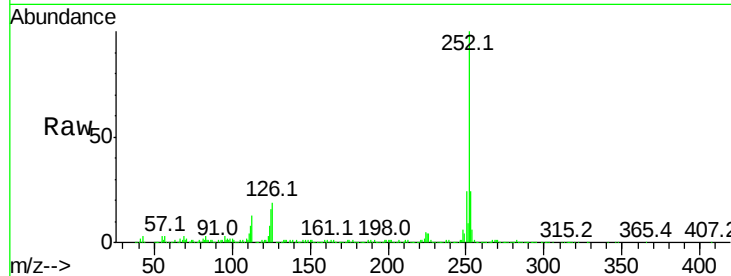
#89
Benzo(a)pyrene
Concen: 62.62 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Instrument :
BNA_F
ClientSampleId :
HY-SB435A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.6	11.0	16.4

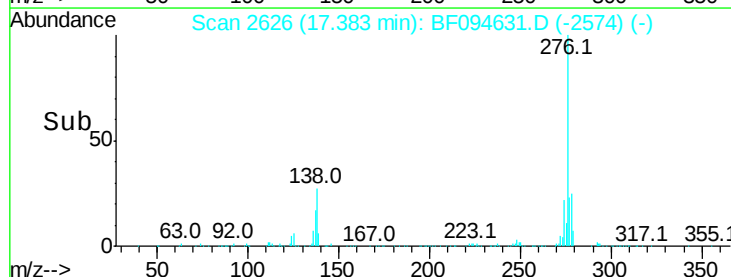
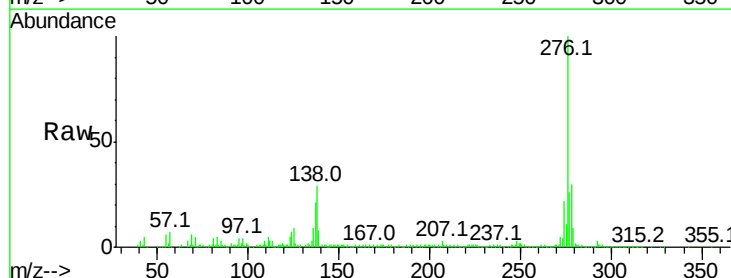
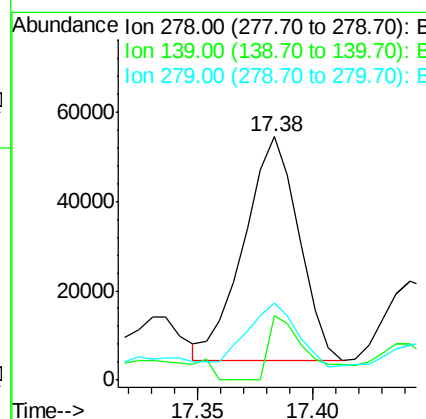
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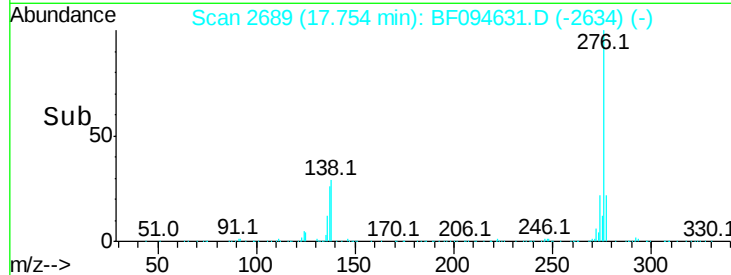
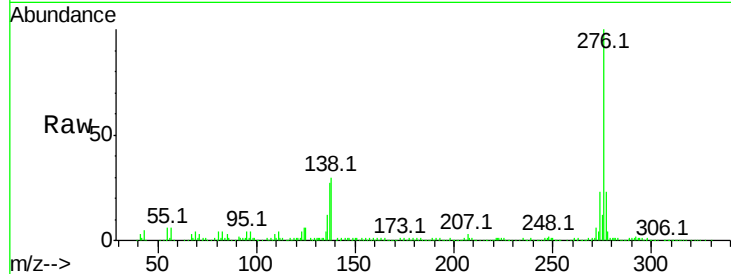
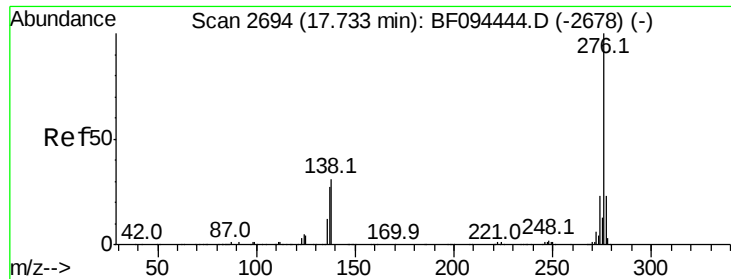
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 10.86 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: BF094631.D
Acq: 26 Apr 2017 4:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.6	24.8#
279	31.5	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 44.22 ng
 RT: 17.75 min Scan# 2689
 Delta R.T. 0.02 min
 Lab File: BF094631.D
 Acq: 26 Apr 2017 4:12

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB435A

Tot Ion:	276	Resp:	341205
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	28.0
138	30.0	25.4	38.0

Manual Integrations
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