

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091356.D
 Acq On : 14 Jan 2016 18:22
 Operator : UM/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
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mohammad
 1/15/2016 3:39:00 PM

Quant Time: Jan 14 22:57:20 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 22:47:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	27877	5.00	ng	0.00
4) Naphthalene-d8	9.56	136	121778	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	56691	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	175027	5.00	ng	0.00
18) Chrysene-d12	20.22	240	158312	5.00	ng	0.00
24) Perylene-d12	22.10	264	147751	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	5.05	112	518m	0.09	ng	0.10
3) Phenol-d6	6.66	99	672	0.10	ng	0.09
5) Nitrobenzene-d5	8.22	82	1139	0.17	ng	0.06
9) 2,4,6-Tribromophenol	14.92	330	136	0.08	ng	0.03
10) 2-Fluorobiphenyl	12.03	172	2104	0.14	ng	0.02
20) Terphenyl-d14	18.63	244	2156	0.11	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.60	128	5232	0.20	ng	96
7) 2-Methylnaphthalene	11.17	142	1454	0.10	ng	99
11) Acenaphthylene	13.12	152	11124	0.12	ng	100
12) Acenaphthene	13.42	154	3164	0.21	ng	98
13) Fluorene	14.43	166	2552	0.14	ng	95
15) Phenanthrene	16.12	178	8241	0.18	ng	98
16) Anthracene	16.21	178	4491	0.12	ng	99
17) Fluoranthene	18.10	202	4769	0.09	ng	99
19) Pyrene	18.49	202	3612	0.09	ng	100
21) Benzo(a)anthracene	20.19	228	3313	0.09	ng	99
22) Chrysene	20.25	228	7342	0.16	ng	98
23) Indeno(1,2,3-cd)pyrene	23.71	276	3648m	0.10	ng	
25) Benzo(b)fluoranthene	21.55	252	3226m	0.10	ng	
26) Benzo(k)fluoranthene	21.58	252	3746m	0.09	ng	
27) Benzo(a)pyrene	22.01	252	3963	0.13	ng	94
28) Dibenzo(a,h)anthracene	23.67	278	2176	0.08	ng	# 87
29) Benzo(g,h,i)perylene	24.26	276	3474	0.11	ng	96

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

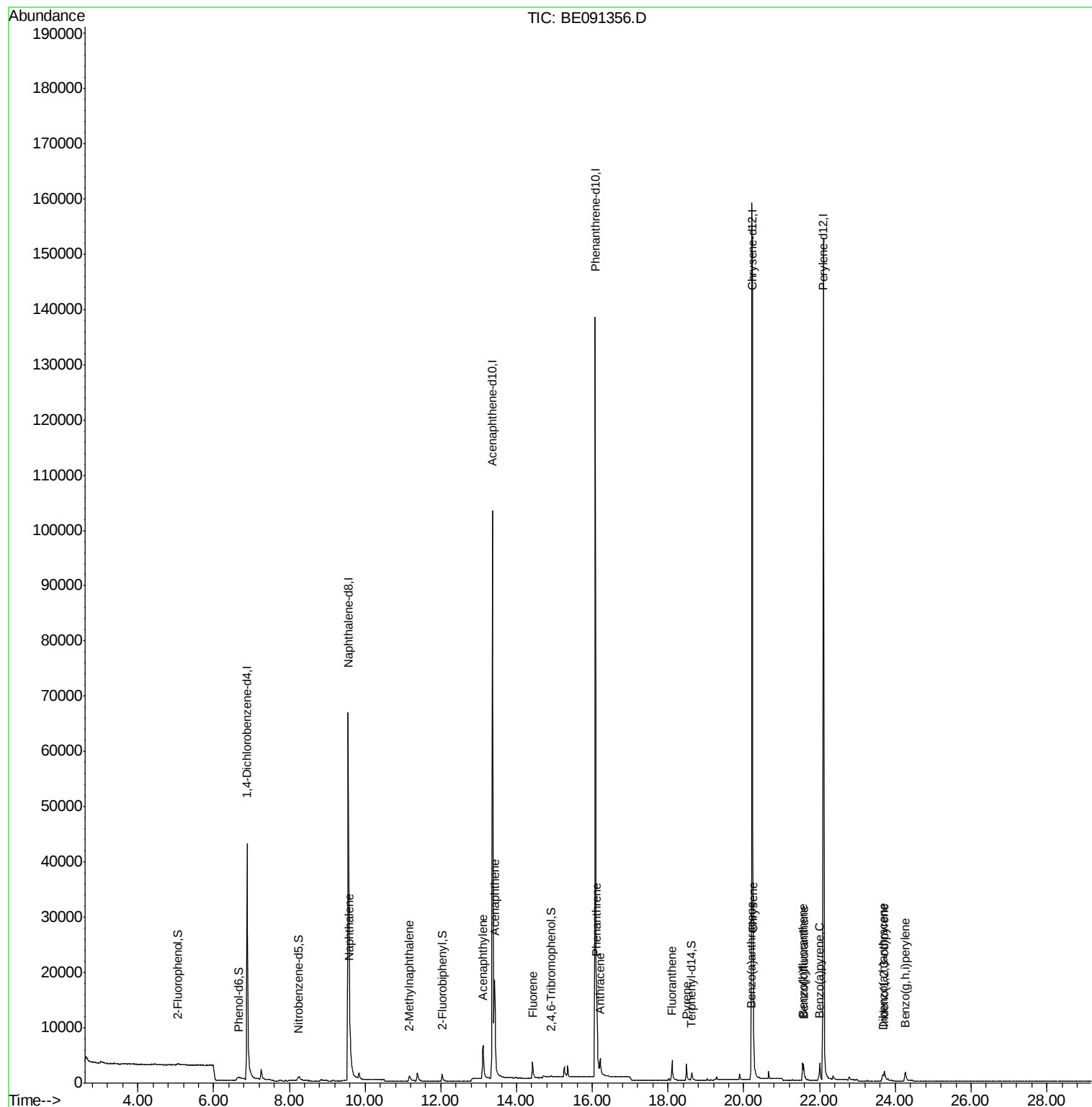
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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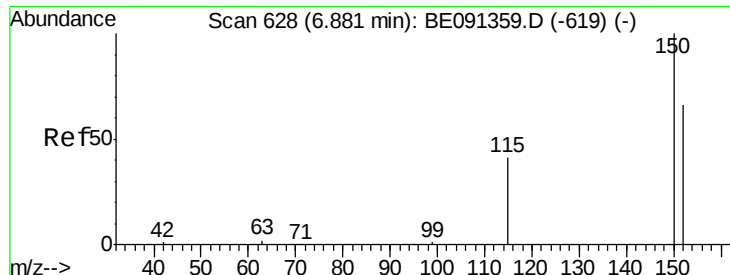
Instrument :
BNA_E
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.88 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

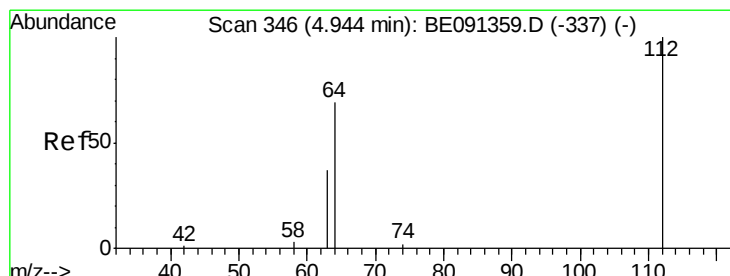
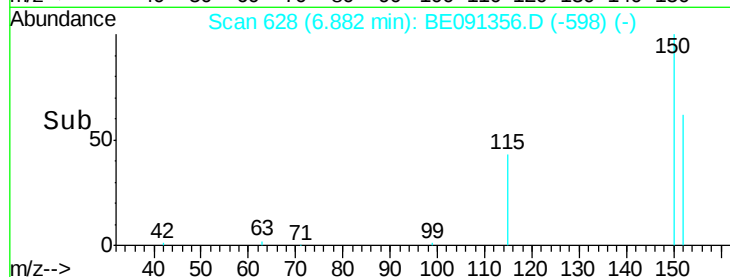
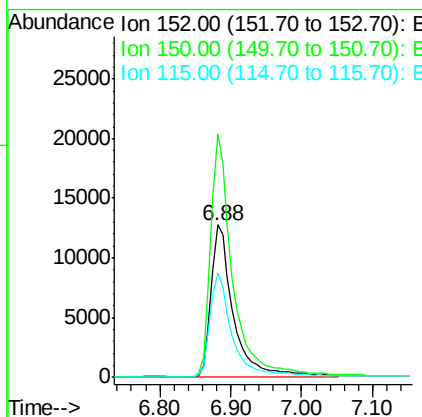
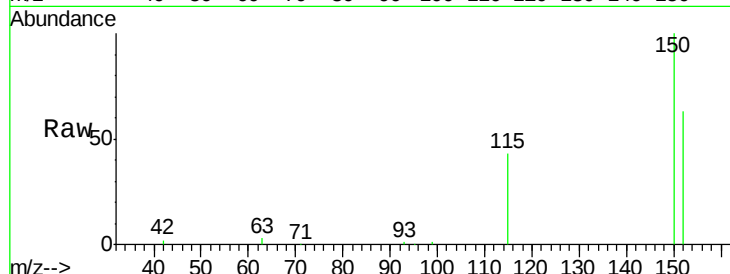
ClientSampled :

SSTDIC0.2

Tgt Ion:	152	Resp:	27877
Ion Ratio	Lower	Upper	
152	100		
150	159.8	121.6	182.4
115	68.7	50.6	75.8

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#2

2-Fluorophenol

Concen: 0.09 ng m

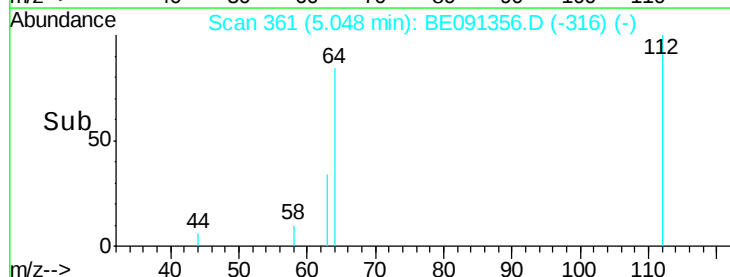
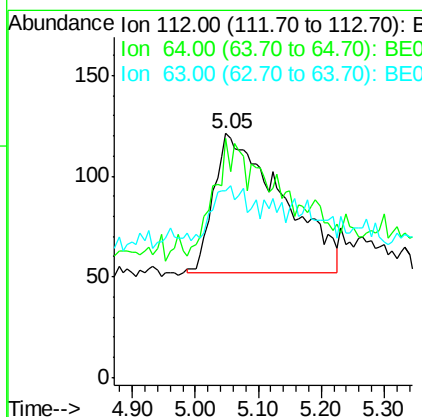
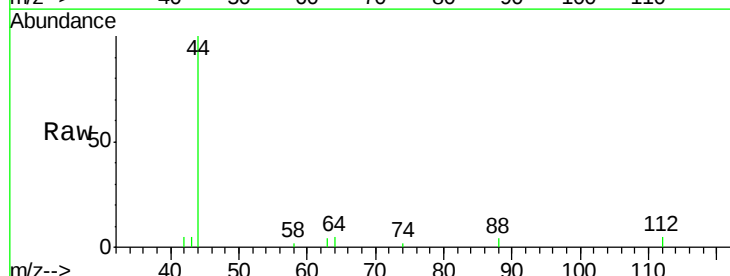
RT: 5.05 min Scan# 361

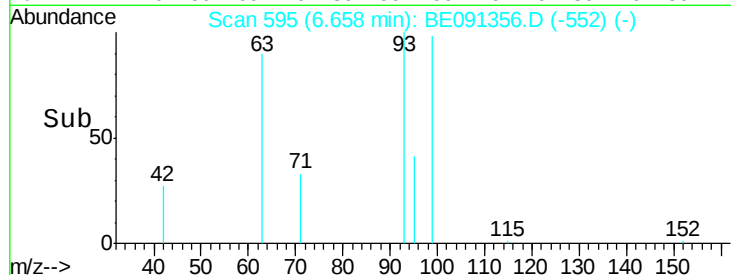
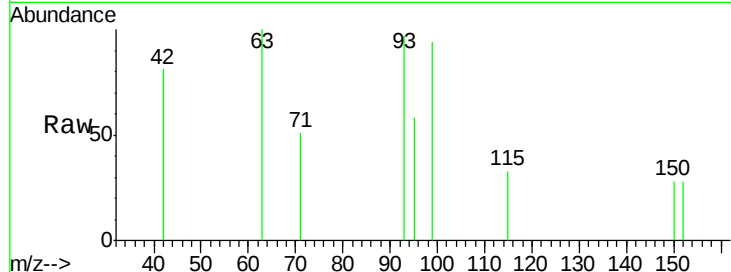
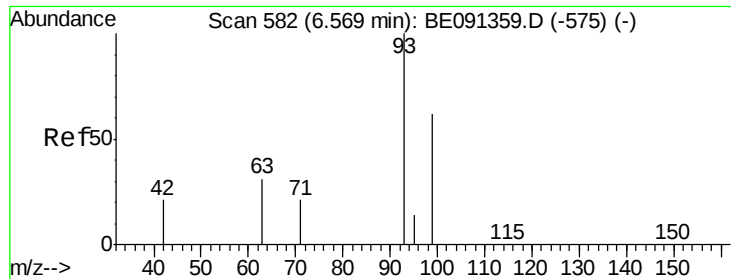
Delta R.T. 0.10 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	112	Resp:	518
Ion Ratio	Lower	Upper	
112	100		
64	36.3	57.4	86.0#
63	17.4	32.2	48.2#





#3

Phenol-d6

Concen: 0.10 ng

RT: 6.66 min Scan# 595

Delta R.T. 0.09 min

Lab File: BE091356.D

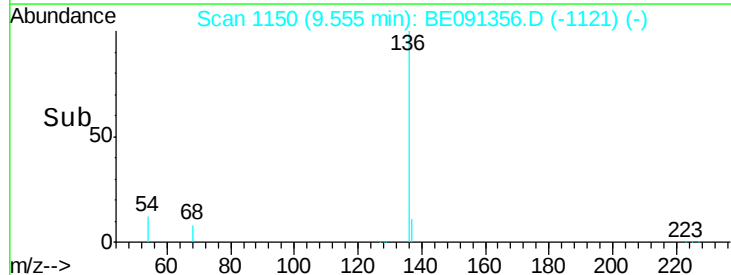
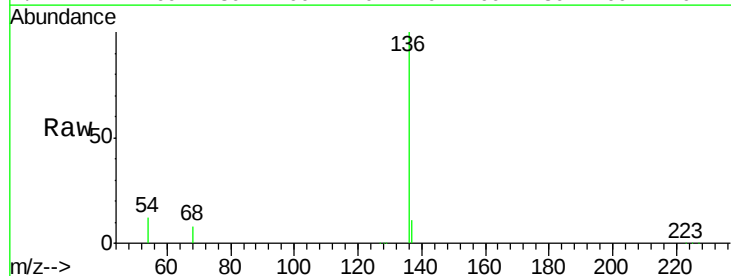
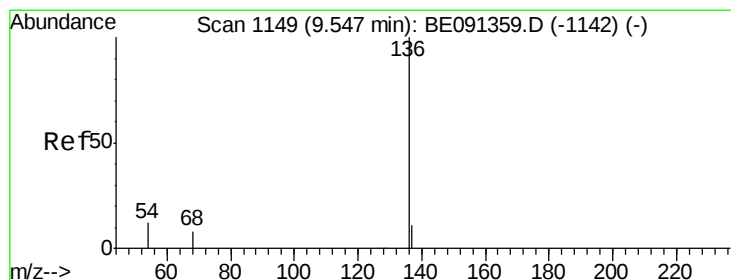
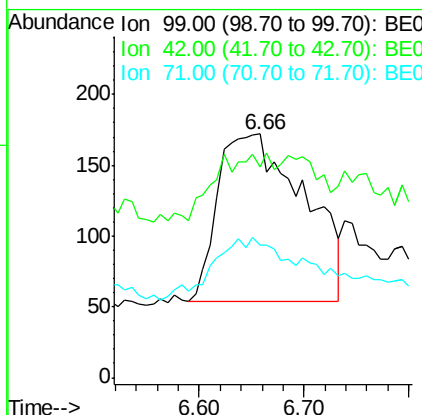
Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	22.9	34.3#
71	0.0	35.4	53.2#

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

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#4

Naphthalene-d8

Concen: 5.00 ng

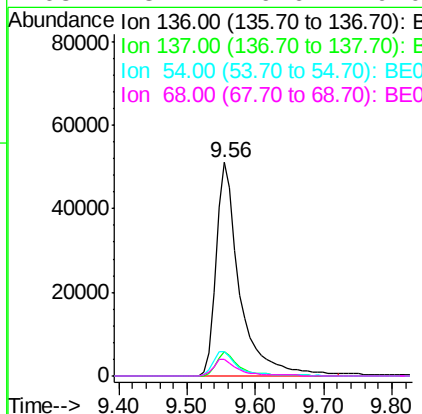
RT: 9.56 min Scan# 1150

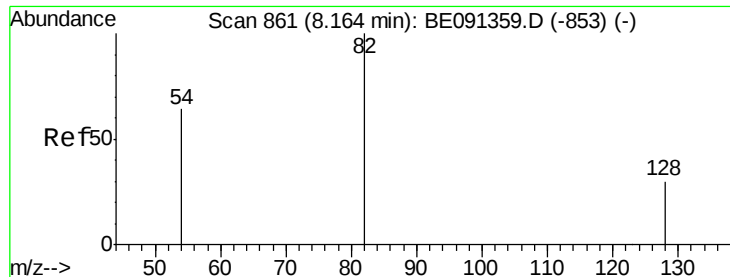
Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.6	9.8	14.6
68	8.1	6.6	10.0





#5

Nitrobenzene-d5

Concen: 0.17 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.06 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

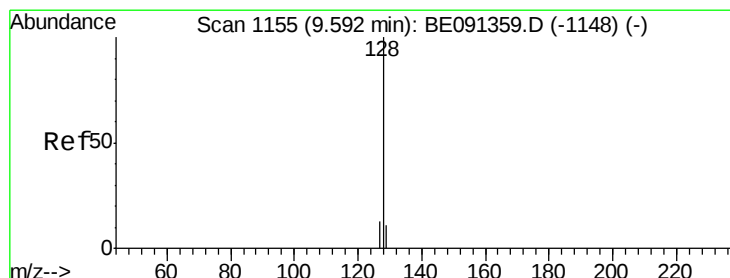
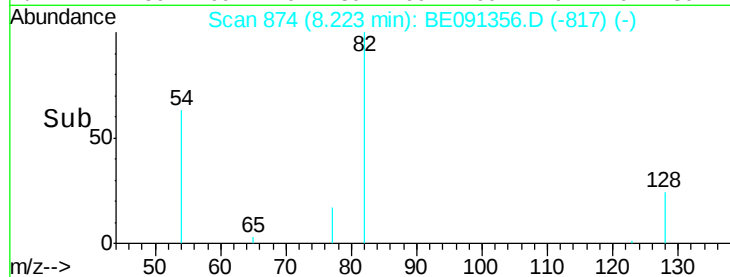
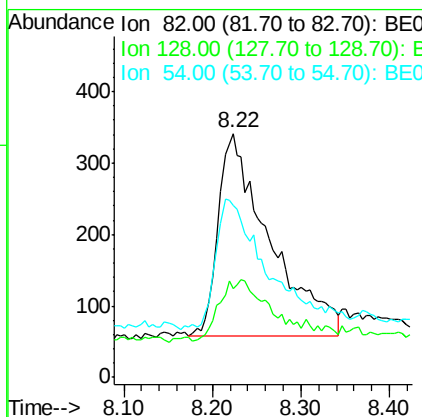
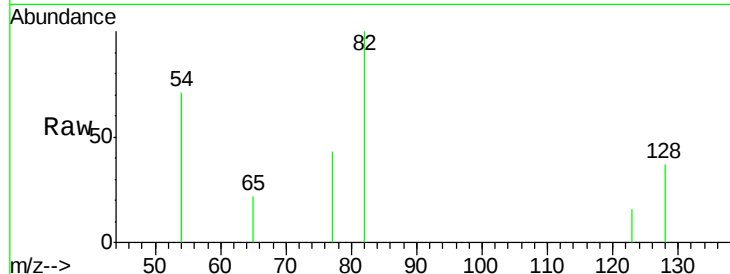
ClientSampleId :

SSTDIC0.2

Tgt Ion:	82	Resp:	1139
Ion Ratio	Lower	Upper	
82	100		
128	36.7	24.6	36.8
54	70.7	52.7	79.1

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#6

Naphthalene

Concen: 0.20 ng

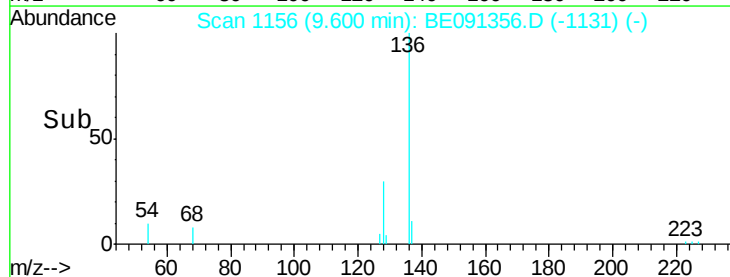
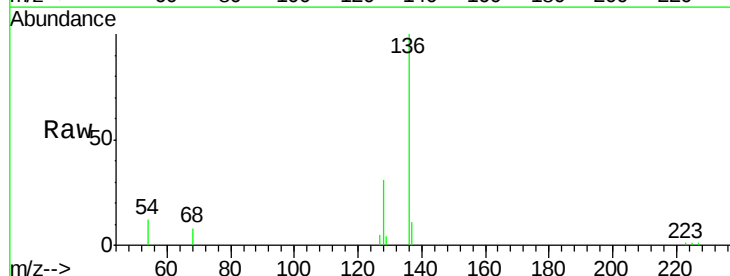
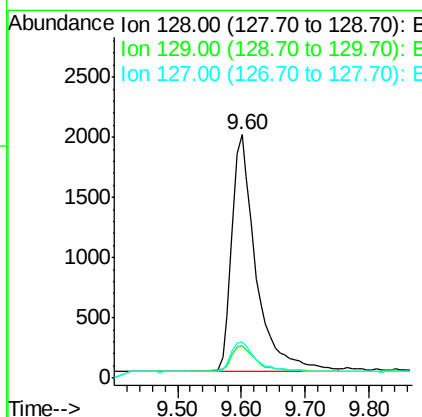
RT: 9.60 min Scan# 1156

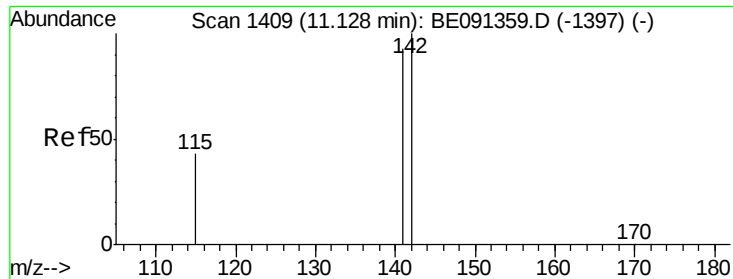
Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	128	Resp:	5232
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.3	13.9
127	15.0	10.6	15.8





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 11.17 min Scan# 1418

Delta R.T. 0.04 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

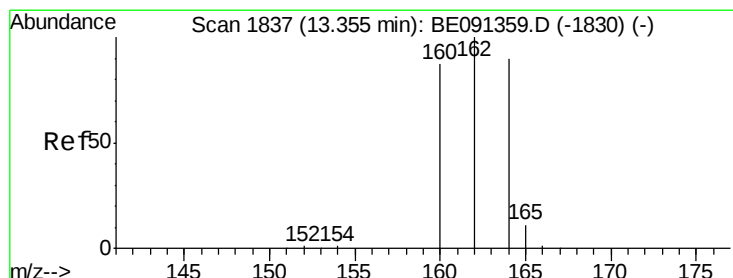
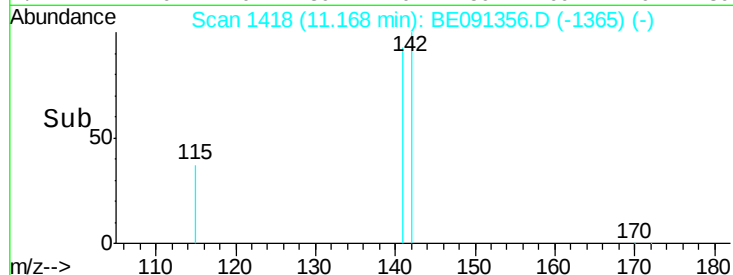
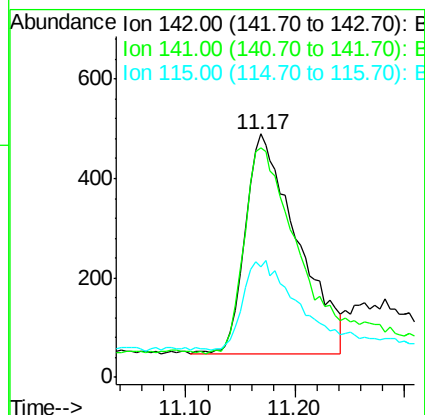
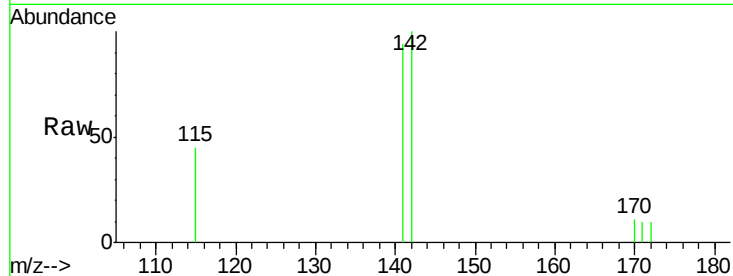
ClientSampleId :

SSTDIC0.2

Tgt Ion:	142	Resp:	1454
Ion Ratio	Lower	Upper	
142	100		
141	94.3	74.5	111.7
115	45.1	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

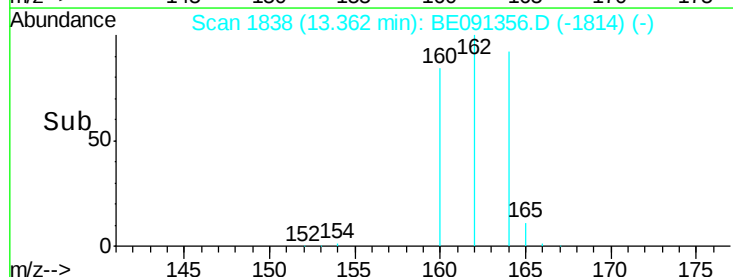
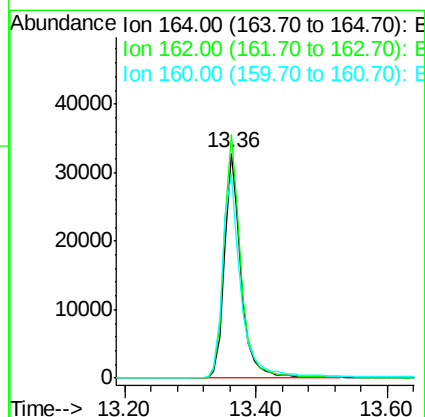
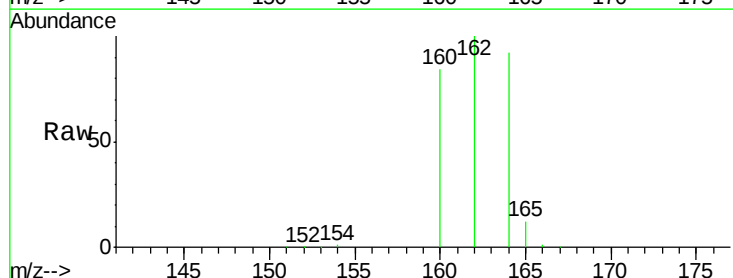
RT: 13.36 min Scan# 1838

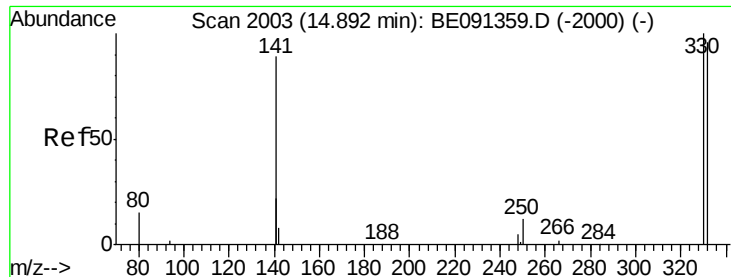
Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	164	Resp:	56691
Ion Ratio	Lower	Upper	
164	100		
162	108.4	88.5	132.7
160	90.9	76.7	115.1





#9

2,4,6-Tribromophenol

Concen: 0.08 ng

RT: 14.92 min Scan# 2005

Delta R.T. 0.03 min

Lab File: BE091356.D

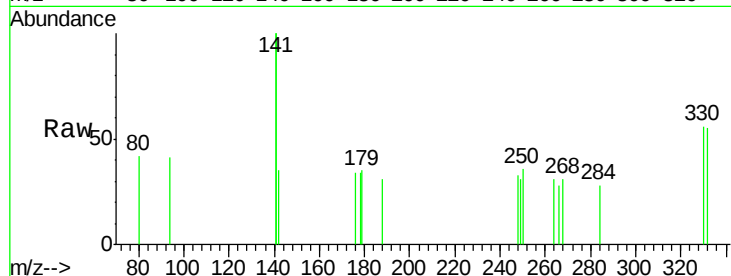
Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tgt Ion:330 Resp: 136

Ion Ratio Lower Upper

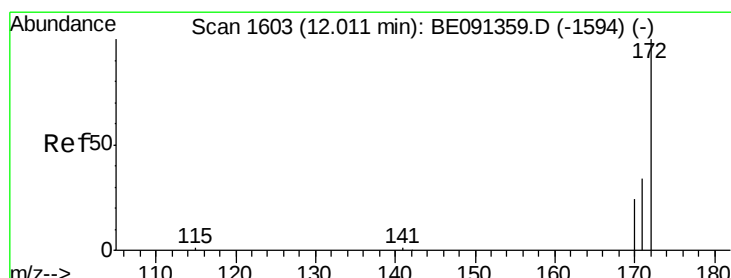
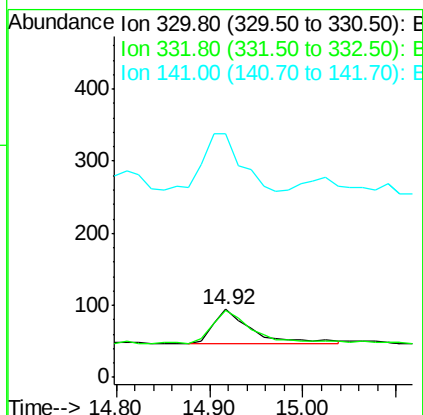
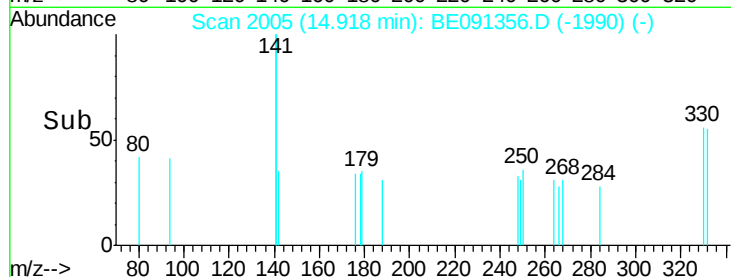
330 100

332 103.7 78.6 118.0

141 160.3 147.8 221.8

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#10

2-Fluorobiphenyl

Concen: 0.14 ng

RT: 12.03 min Scan# 1608

Delta R.T. 0.02 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

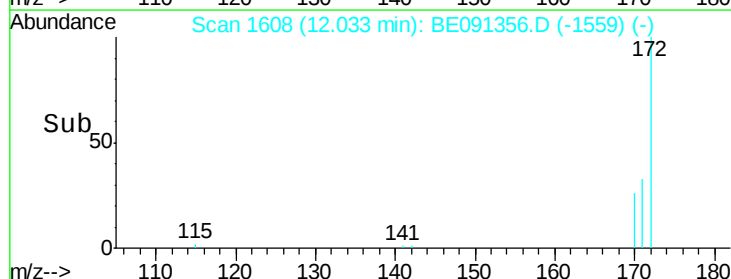
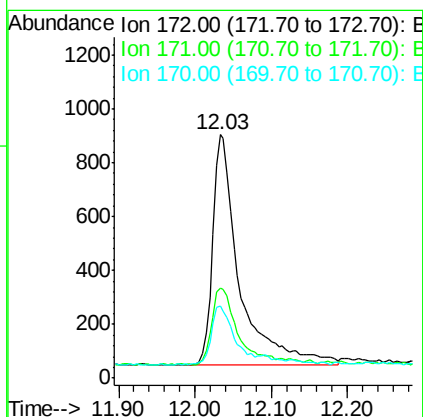
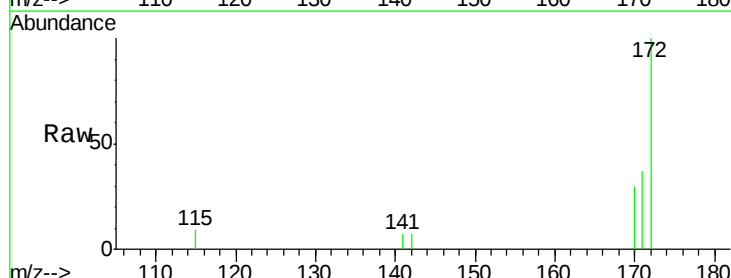
Tgt Ion:172 Resp: 2104

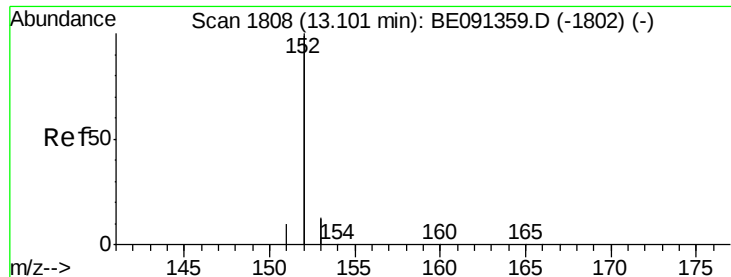
Ion Ratio Lower Upper

172 100

171 36.8 27.3 40.9

170 29.8 19.8 29.6#





#11

Acenaphthylene

Concen: 0.12 ng

RT: 13.12 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

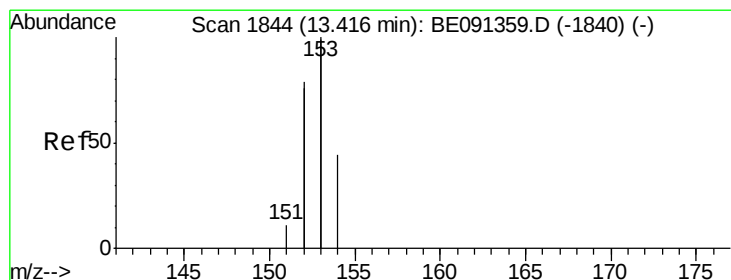
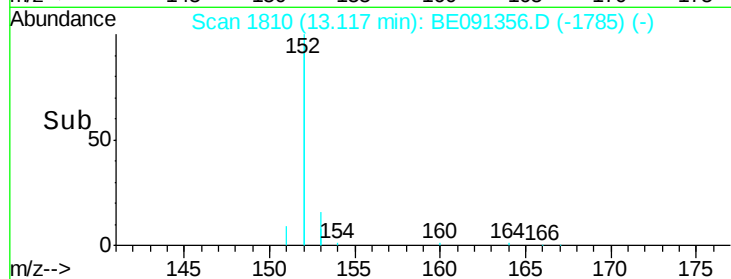
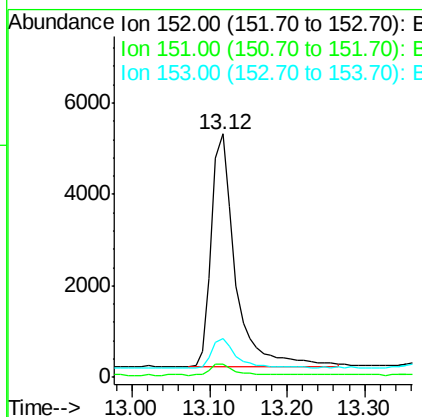
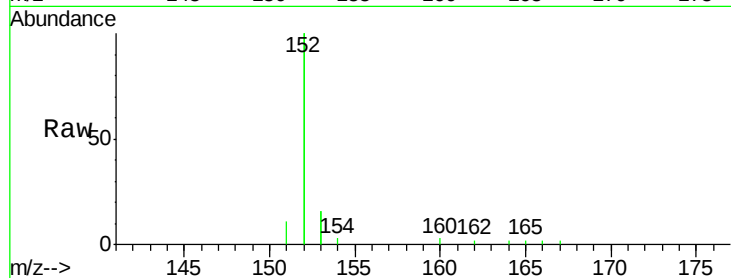
ClientSampleId :

SSTDIC0.2

Tgt Ion:	152	Resp:	11124
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.8	5.8
153	12.7	10.1	15.1

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#12

Acenaphthene

Concen: 0.21 ng

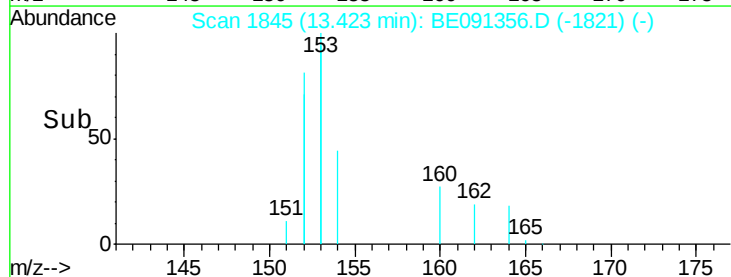
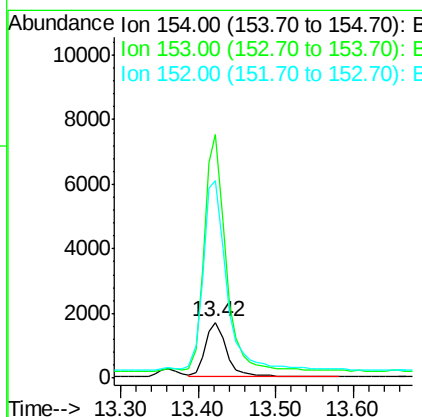
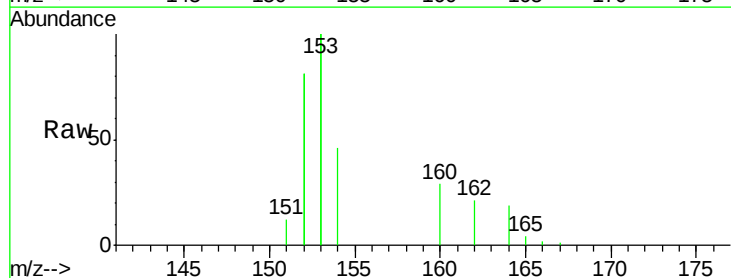
RT: 13.42 min Scan# 1845

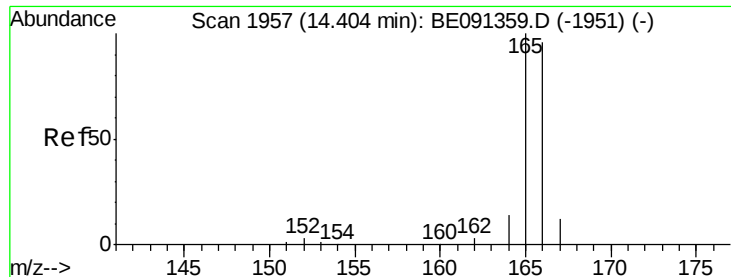
Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	154	Resp:	3164
Ion Ratio	Lower	Upper	
154	100		
153	458.4	370.2	555.4
152	394.1	310.5	465.7





#13

Fluorene

Concen: 0.14 ng

RT: 14.43 min Scan# 1960

Delta R.T. 0.02 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

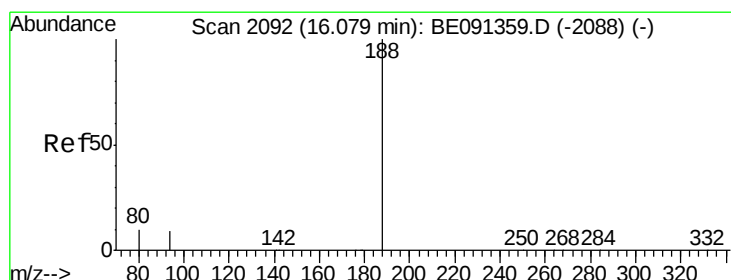
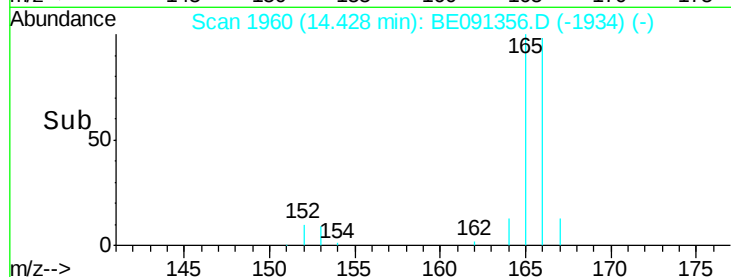
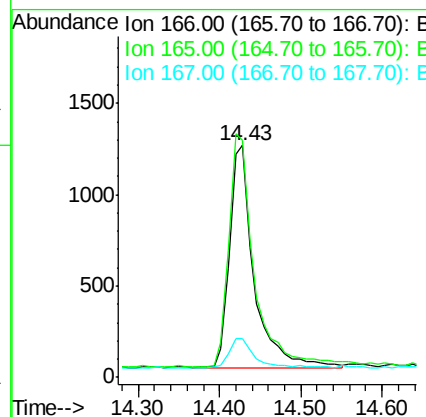
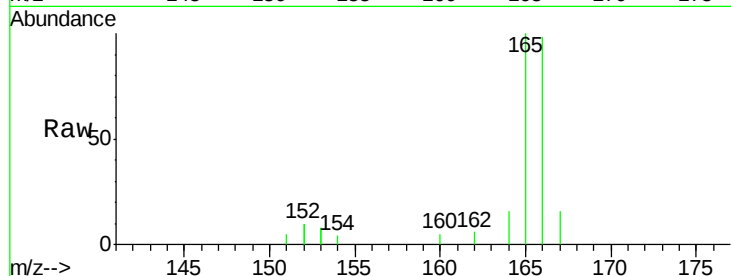
ClientSampleId :

SSTDIC0.2

Tgt Ion:	166	Resp:	2552
Ion Ratio	Lower	Upper	
166	100		
165	109.5	83.0	124.6
167	13.7	11.1	16.7

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#14

Phenanthrene-d10

Concen: 5.00 ng

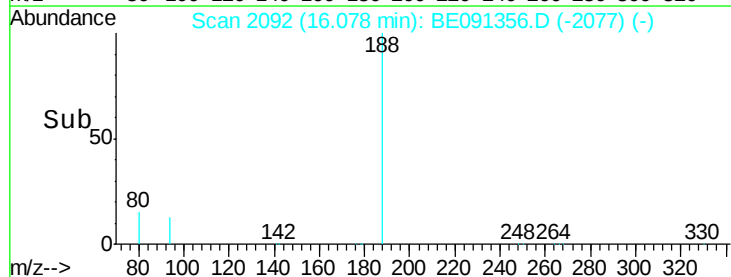
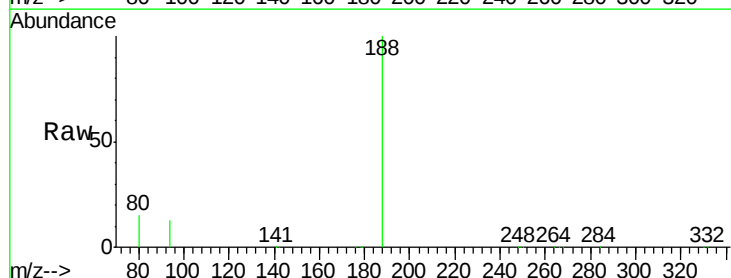
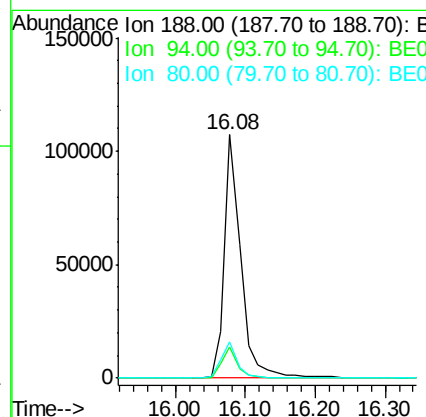
RT: 16.08 min Scan# 2092

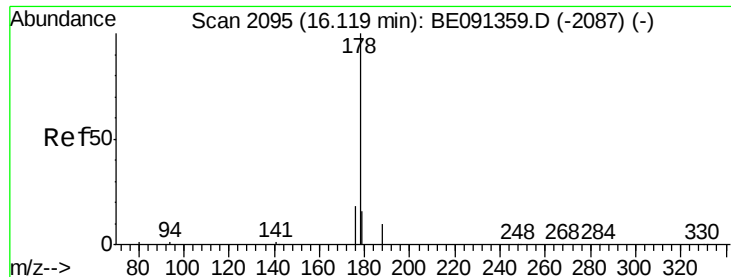
Delta R.T. -0.00 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	188	Resp:	175027
Ion Ratio	Lower	Upper	
188	100		
94	13.0	7.5	11.3#
80	14.7	8.2	12.2#





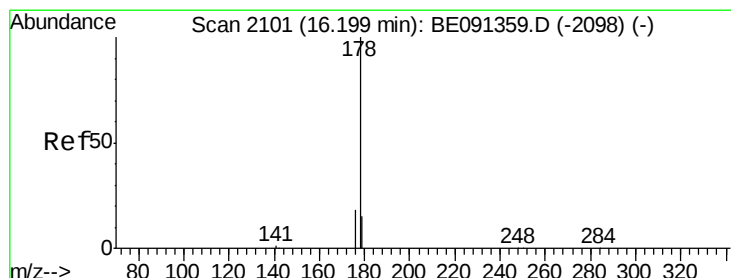
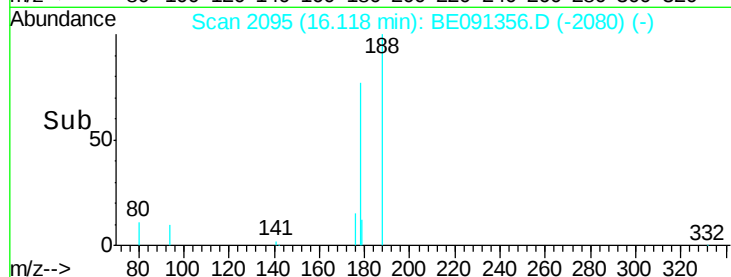
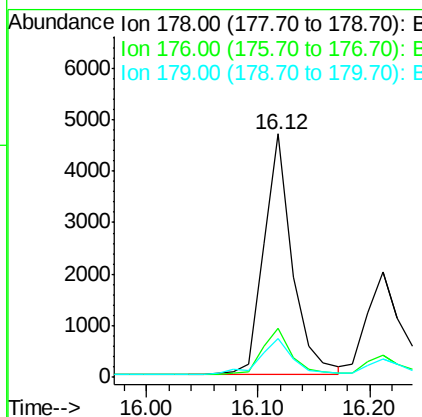
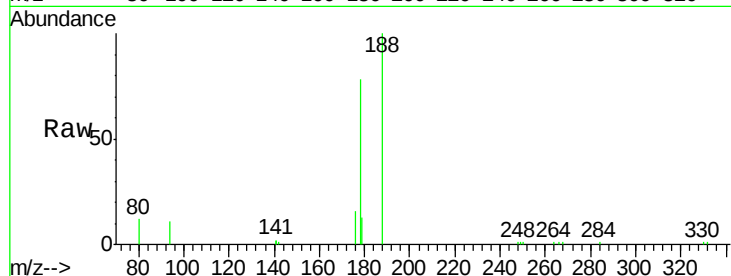
#15
Phenanthrene
Concen: 0.18 ng
RT: 16.12 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	17.3	12.8	19.2

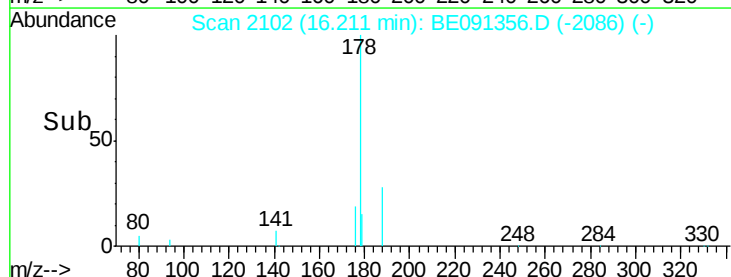
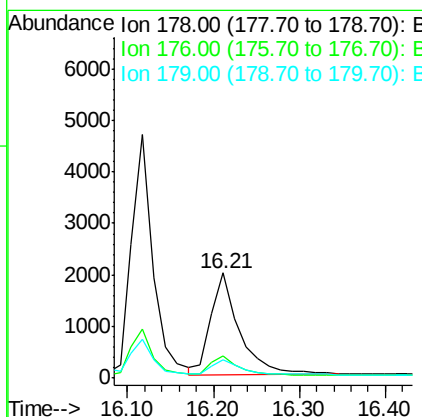
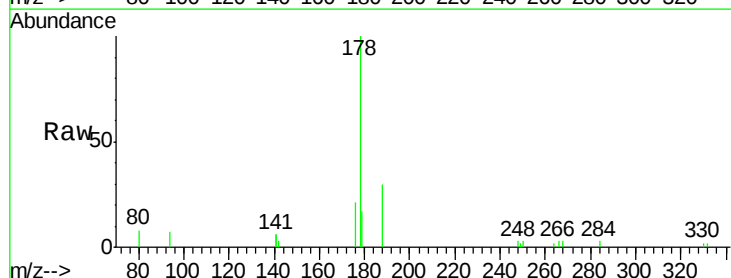
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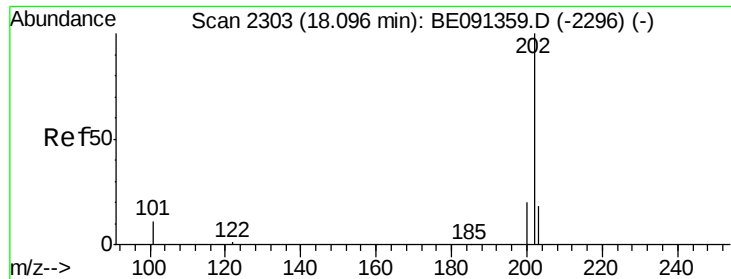
mohammad
1/15/2016 3:39:00 PM



#16
Anthracene
Concen: 0.12 ng
RT: 16.21 min Scan# 2102
Delta R.T. 0.01 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	16.1	12.4	18.6





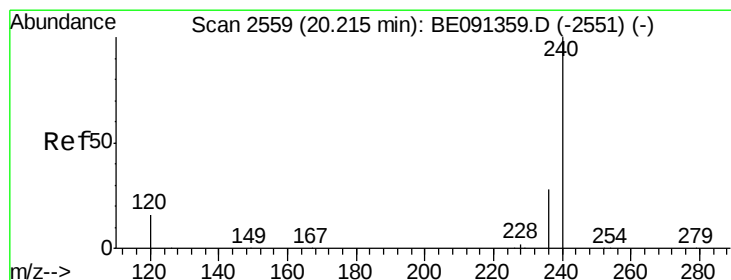
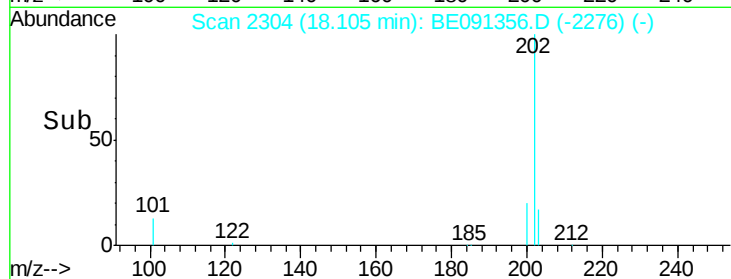
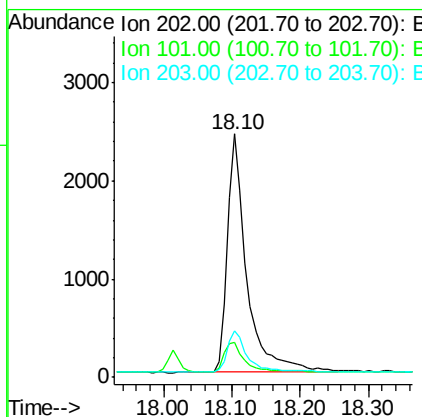
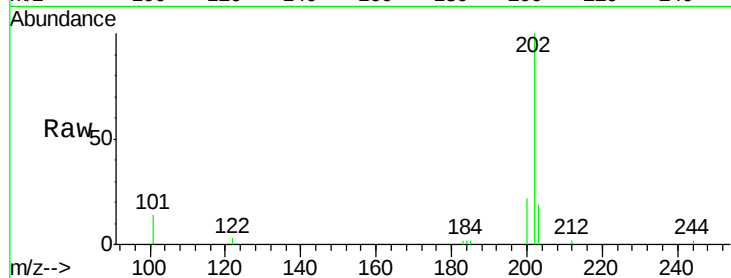
#17
 Fluoranthene
 Concen: 0.09 ng
 RT: 18.10 min Scan# 2304
 Delta R.T. 0.01 min
 Lab File: BE091356.D
 Acq: 14 Jan 2016 18:22

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	11.0	16.4
203	18.1	13.9	20.9

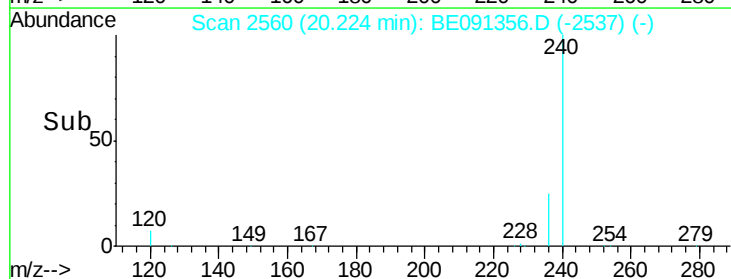
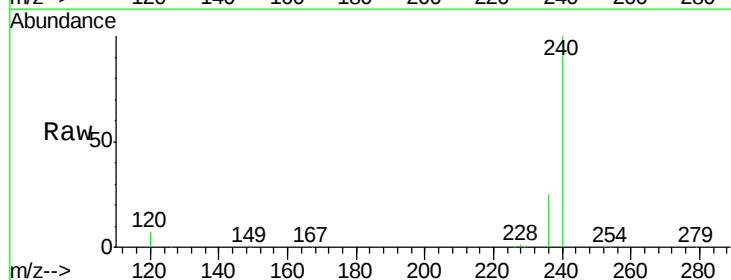
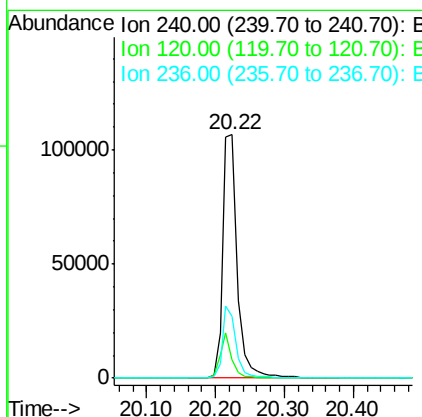
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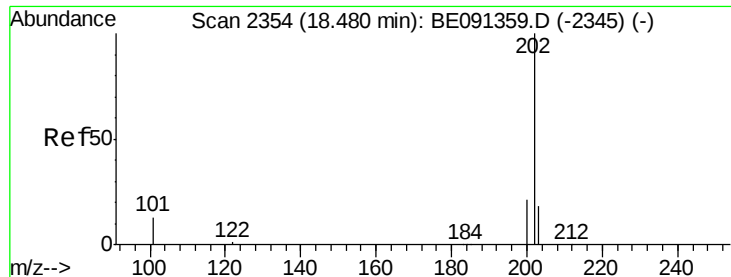
mohammad
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#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BE091356.D
 Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	12.6	19.0#
236	25.4	22.7	34.1





#19

Pyrene

Concen: 0.09 ng

RT: 18.49 min Scan# 2355

Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

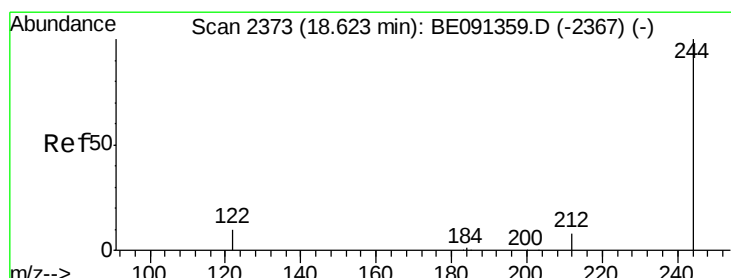
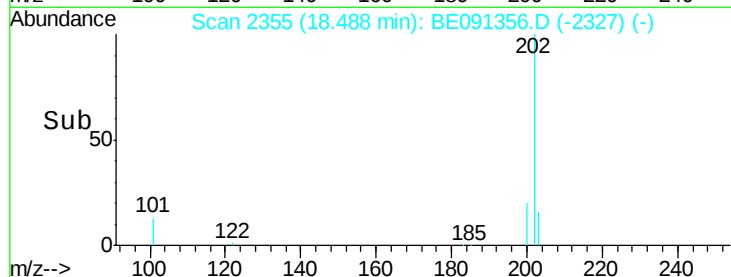
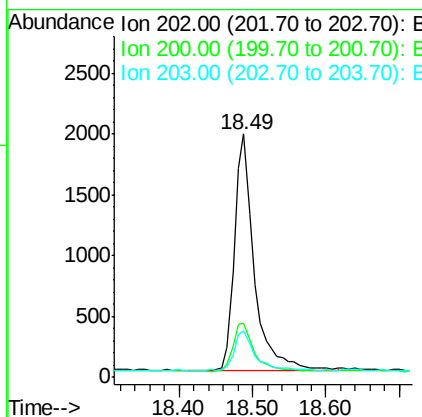
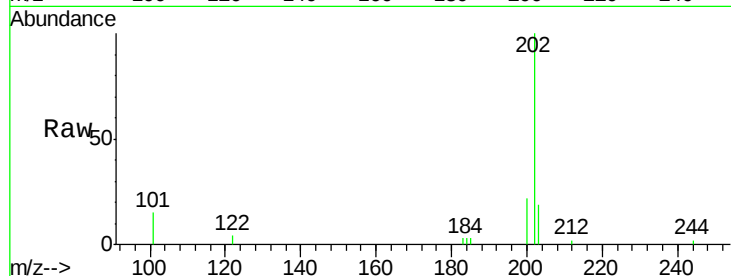
ClientSampleId :

SSTDIC0.2

Tgt Ion:	202	Resp:	3612
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.2	25.8
203	17.7	14.2	21.4

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#20

Terphenyl-d14

Concen: 0.11 ng

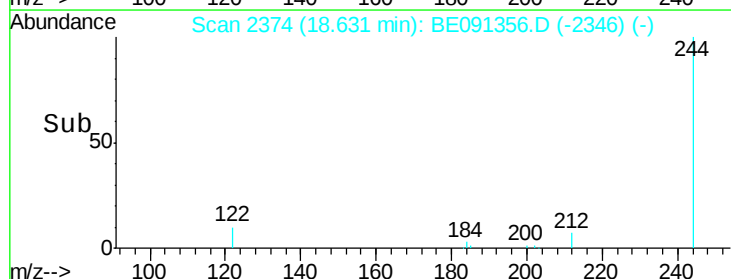
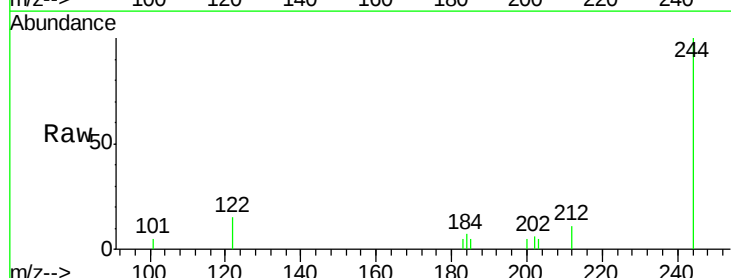
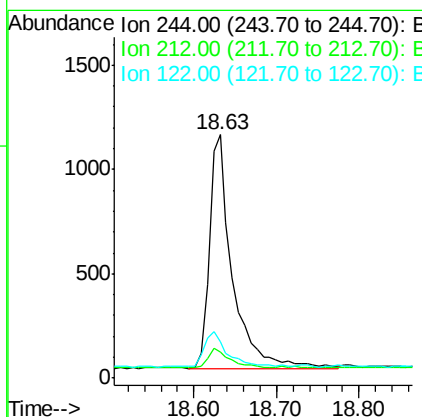
RT: 18.63 min Scan# 2374

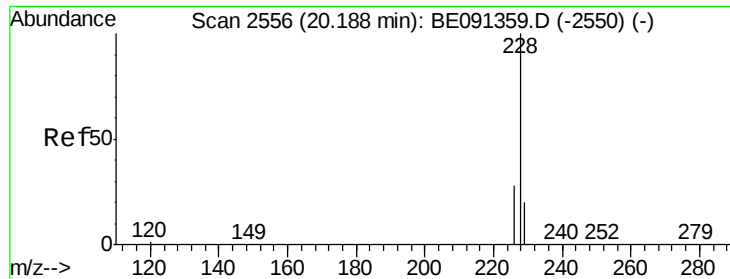
Delta R.T. 0.01 min

Lab File: BE091356.D

Acq: 14 Jan 2016 18:22

Tgt Ion:	244	Resp:	2156
Ion Ratio	Lower	Upper	
244	100		
212	10.7	7.0	10.4#
122	14.7	8.5	12.7#





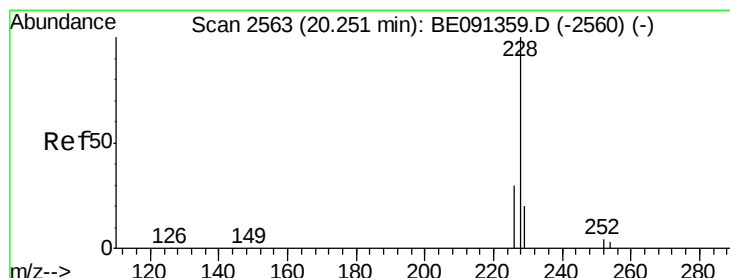
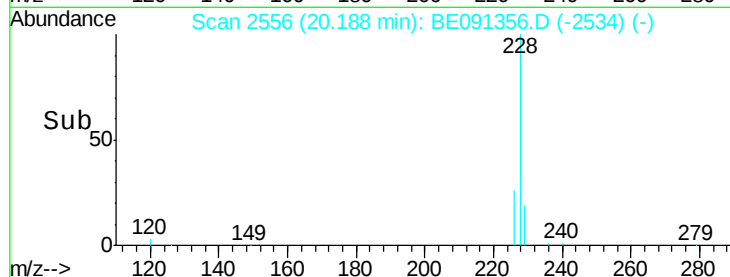
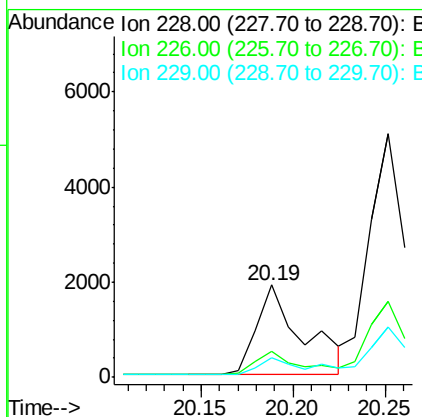
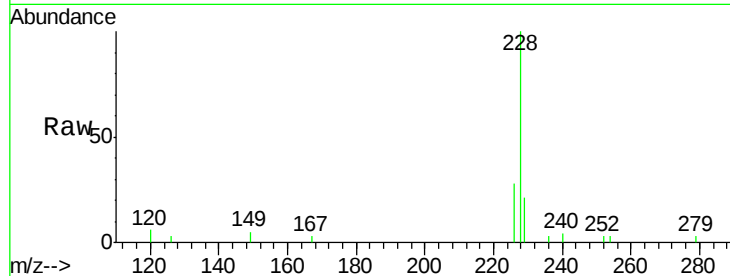
#21
Benzo(a)anthracene
Concen: 0.09 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	21.3	16.2	24.4

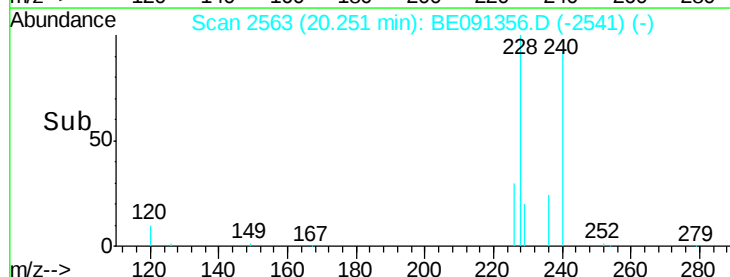
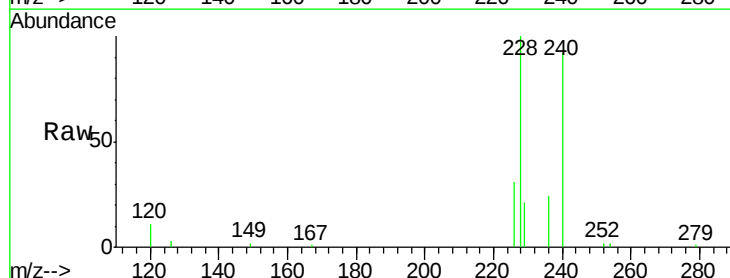
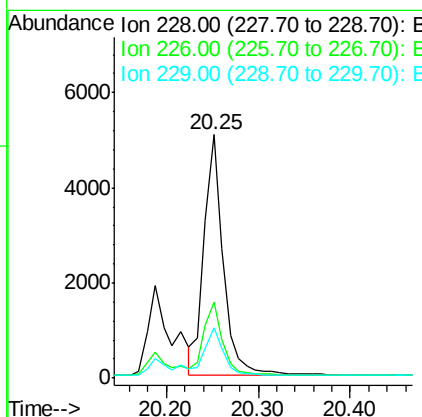
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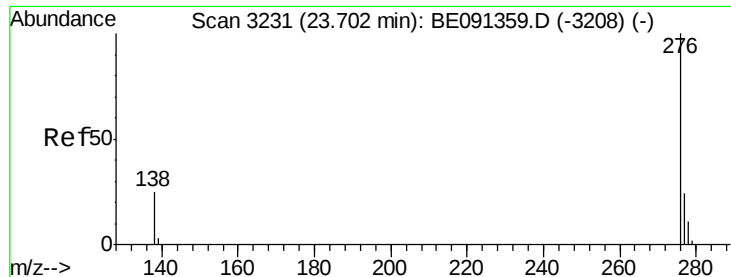
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#22
Chrysene
Concen: 0.16 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.7	35.5
229	20.6	16.0	24.0





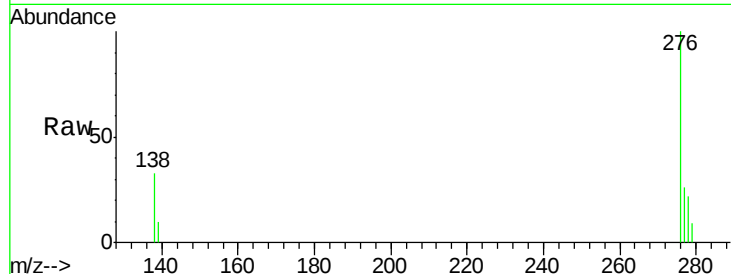
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng m
RT: 23.71 min Scan# 3234
Delta R.T. 0.01 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

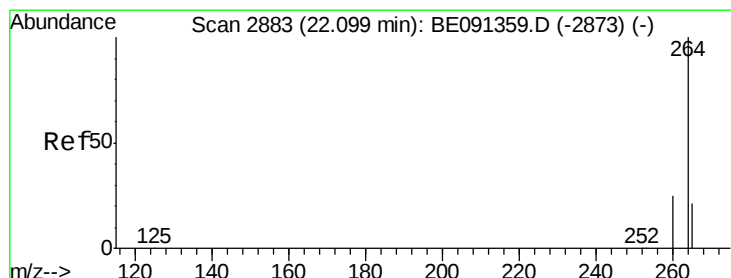
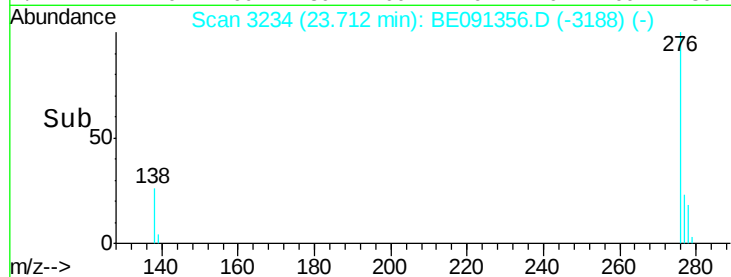
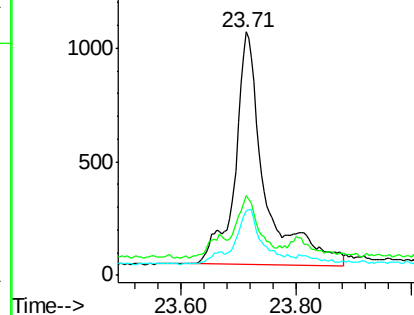
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	18.6	27.8
277	17.7	16.5	24.7

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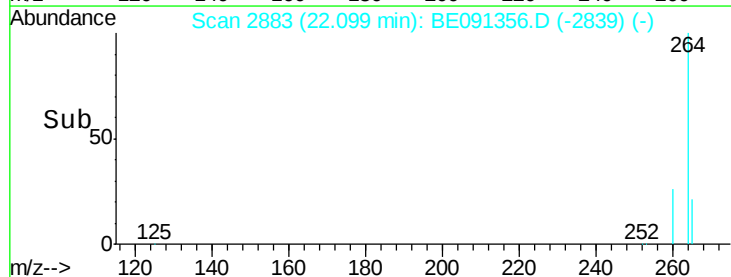
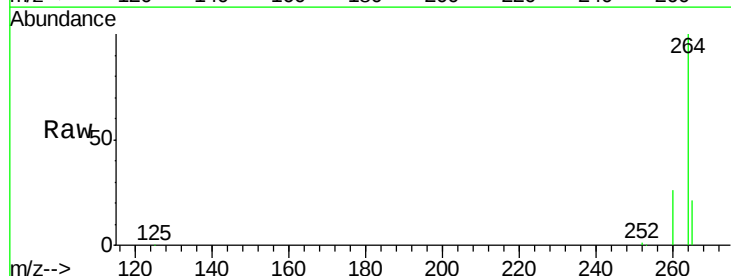
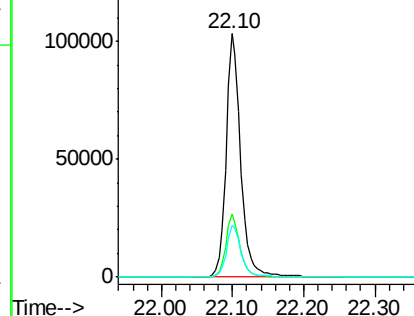
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

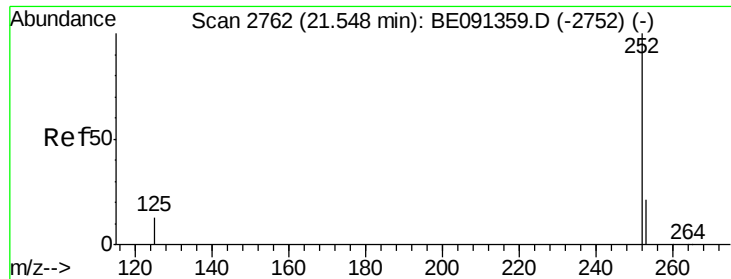


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.4	30.6
265	21.3	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





#25

Benzo(b)fluoranthene

Concen: 0.10 ng m

RT: 21.55 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BE091356.D

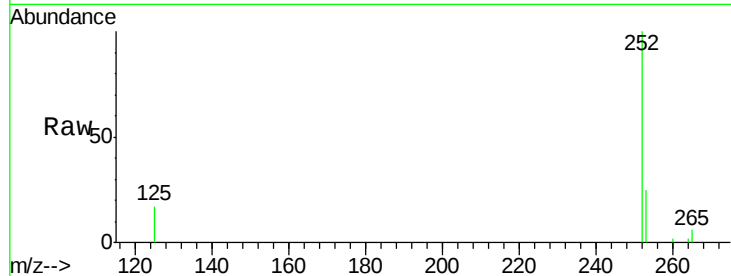
Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

ClientSampleId :

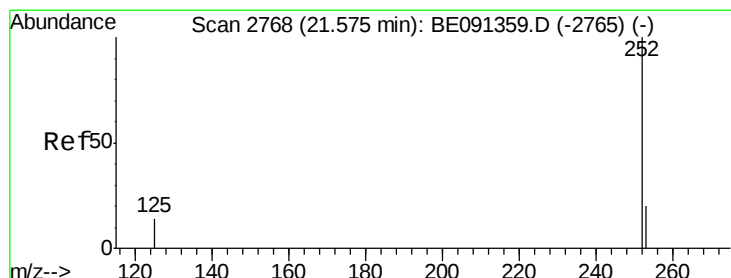
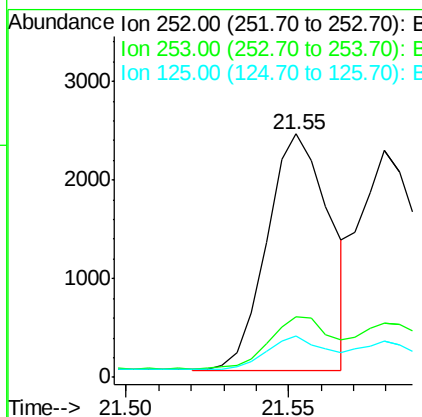
SSTDIC0.2



Tgt Ion:	252	Resp:	3226
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.4	26.2
125	16.8	11.0	16.6#

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#26

Benzo(k)fluoranthene

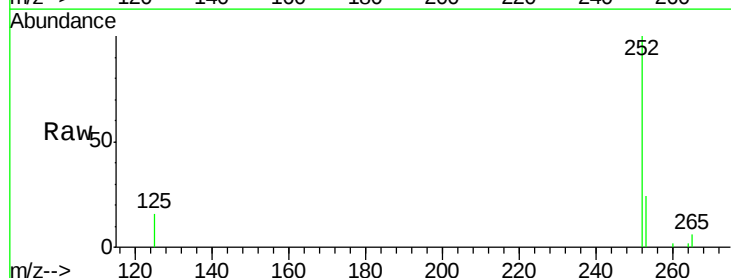
Concen: 0.09 ng m

RT: 21.58 min Scan# 2769

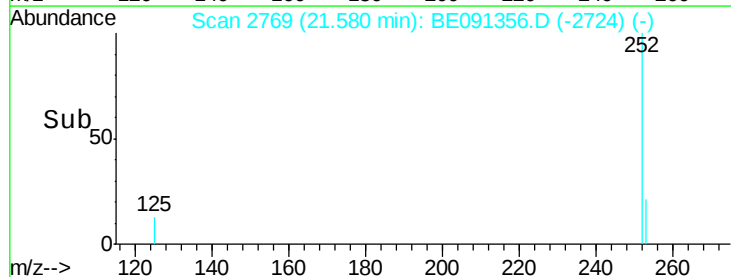
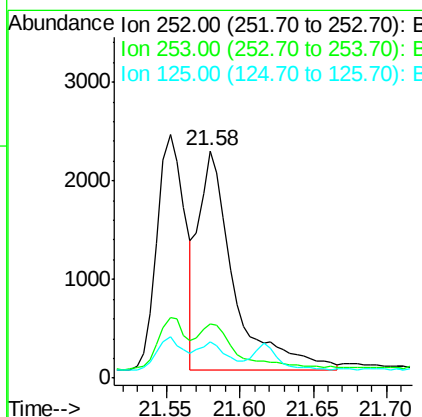
Delta R.T. 0.00 min

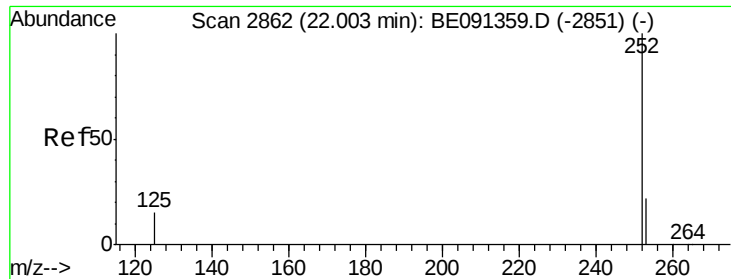
Lab File: BE091356.D

Acq: 14 Jan 2016 18:22



Tgt Ion:	252	Resp:	3746
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	16.0	11.3	16.9





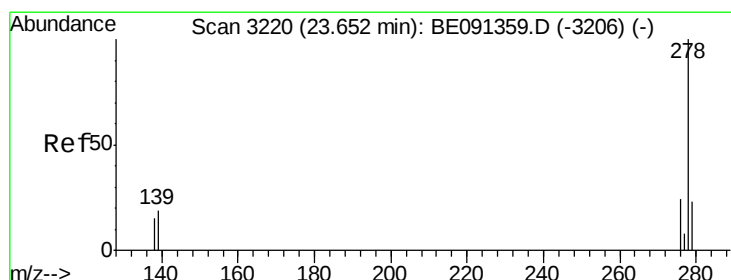
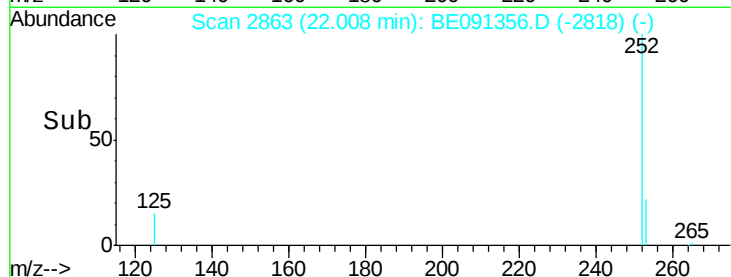
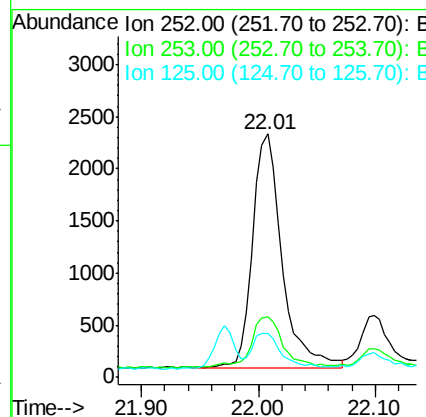
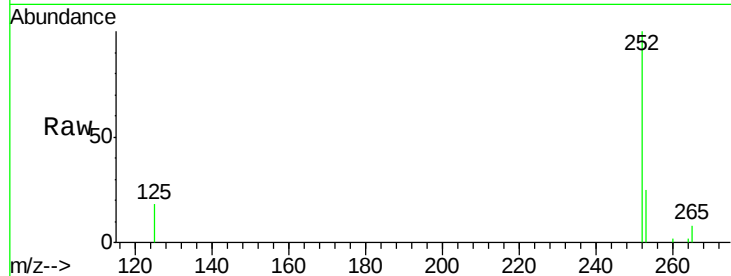
#27
Benzo(a)pyrene
Concen: 0.13 ng
RT: 22.01 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	18.2	12.2	18.4

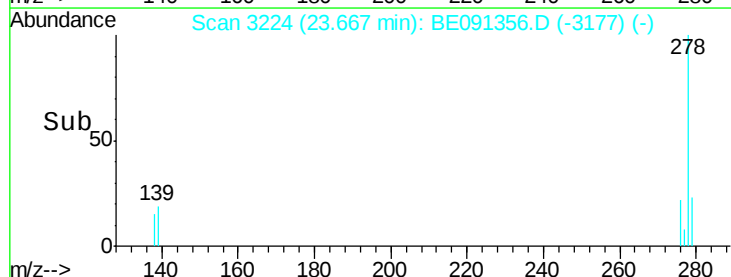
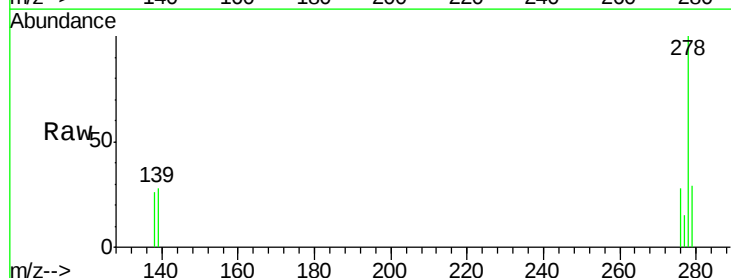
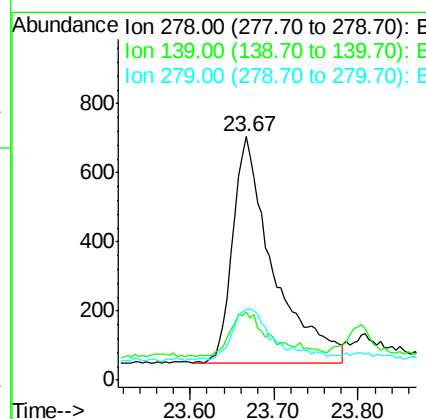
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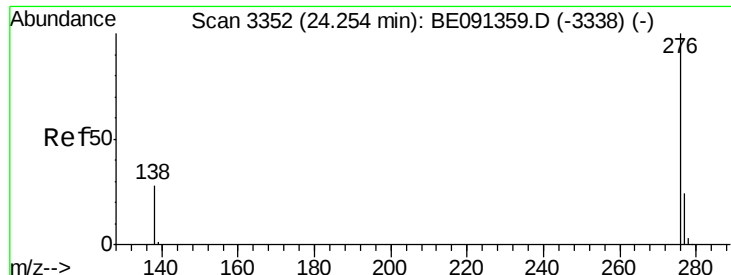
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#28
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 23.67 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE091356.D
Acq: 14 Jan 2016 18:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	16.3	24.5#
279	29.4	19.4	29.2#





#29

Benzo(g,h,i)perylene

Concen: 0.11 ng

RT: 24.26 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BE091356.D

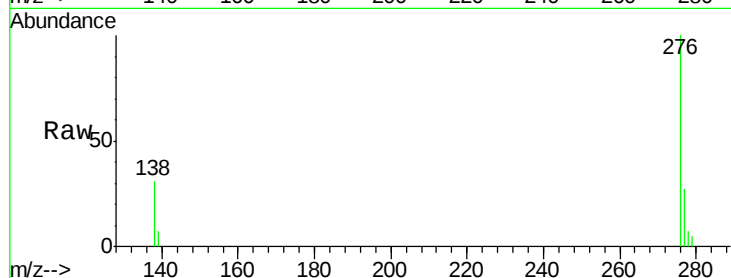
Acq: 14 Jan 2016 18:22

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2



Tgt Ion: 276 Resp: 3474

Ion Ratio Lower Upper

276 100

277 26.7 19.8 29.6

138 31.5 23.3 34.9

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