

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091357.D
 Acq On : 14 Jan 2016 19:01
 Operator : UM/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Manual Integrations
 APPROVED

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 1/15/2016 3:39:03 PM

Quant Time: Jan 14 22:58:16 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	28288	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	121563	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	55133	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	167840	5.00	ng	0.00
18) Chrysene-d12	20.22	240	156608	5.00	ng	0.00
24) Perylene-d12	22.10	264	134518	5.00	ng	0.00

System Monitoring Compounds

2) 2-Fluorophenol	5.01	112	1683m	0.30	ng	0.06
3) Phenol-d6	6.59	99	2275	0.33	ng	0.02
5) Nitrobenzene-d5	8.19	82	3090	0.46	ng	0.02
9) 2,4,6-Tribromophenol	14.90	330	375	0.22	ng	0.01
10) 2-Fluorobiphenyl	12.02	172	5153	0.35	ng	0.01
20) Terphenyl-d14	18.63	244	5024	0.26	ng	0.00

Target Compounds

						Qvalue
6) Naphthalene	9.60	128	12482	0.47	ng	99
7) 2-Methylnaphthalene	11.15	142	3723	0.25	ng	95
11) Acenaphthylene	13.11	152	27866	0.31	ng	99
12) Acenaphthene	13.41	154	7298	0.49	ng	97
13) Fluorene	14.41	166	6756	0.37	ng	98
15) Phenanthrene	16.12	178	19363	0.45	ng	100
16) Anthracene	16.20	178	11101	0.30	ng	99
17) Fluoranthene	18.09	202	8959	0.18	ng	99
19) Pyrene	18.48	202	7977	0.21	ng	99
21) Benzo(a)anthracene	20.19	228	7159	0.21	ng	99
22) Chrysene	20.25	228	17768	0.38	ng	99
23) Indeno(1,2,3-cd)pyrene	23.71	276	7569m	0.21	ng	
25) Benzo(b)fluoranthene	21.55	252	8130	0.28	ng	98
26) Benzo(k)fluoranthene	21.58	252	8362	0.21	ng	98
27) Benzo(a)pyrene	22.01	252	6935	0.25	ng	98
28) Dibenzo(a,h)anthracene	23.66	278	4625	0.18	ng	94
29) Benzo(g,h,i)perylene	24.26	276	7072	0.25	ng	99

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

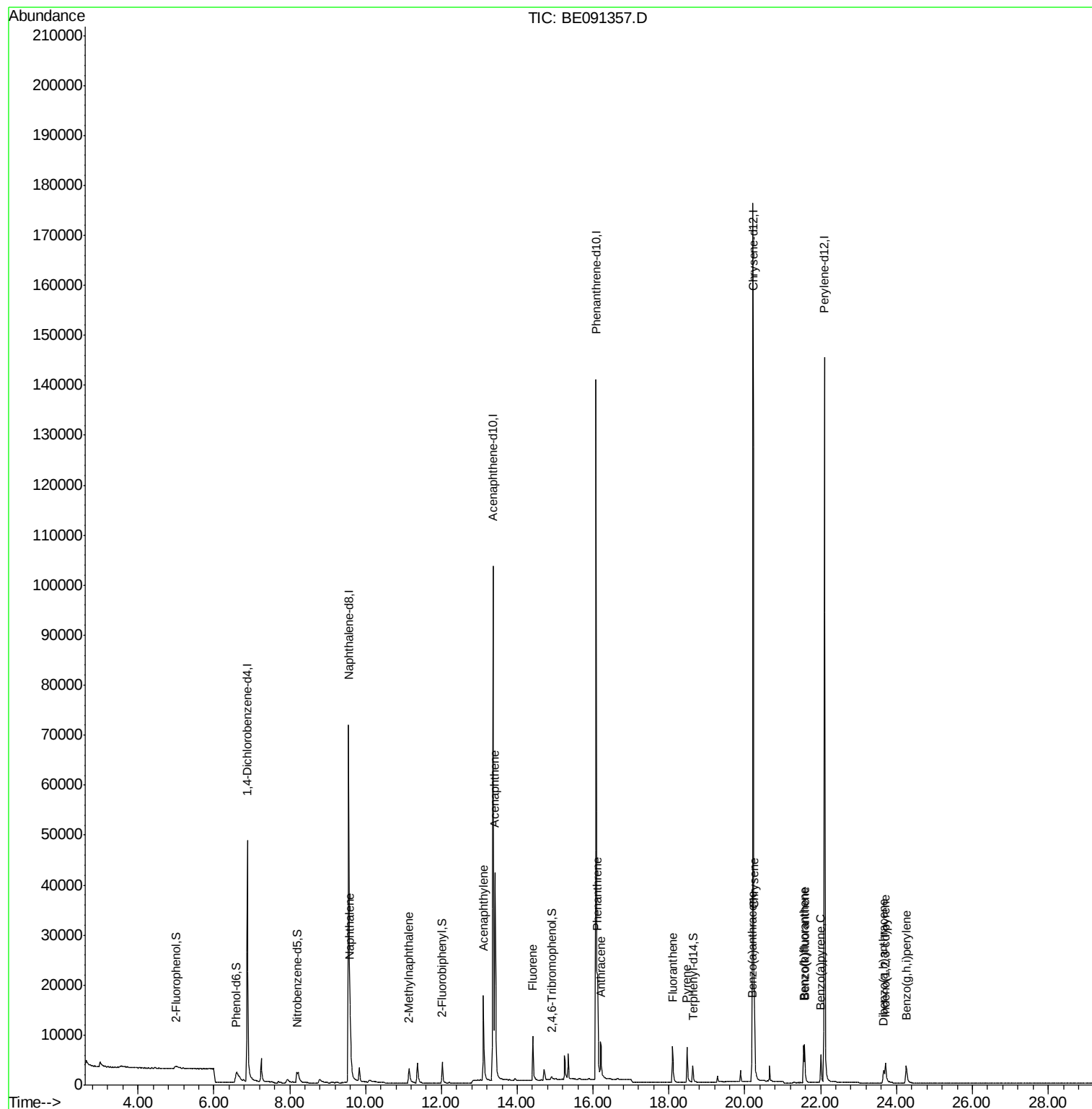
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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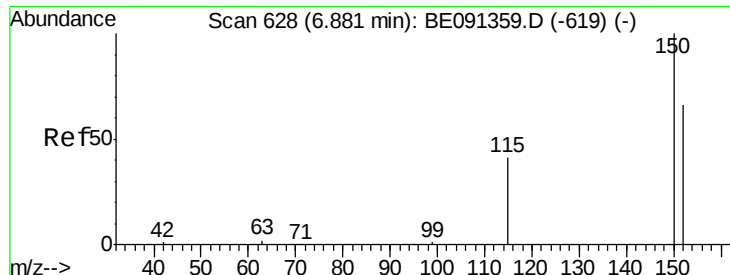
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.88 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091357.D

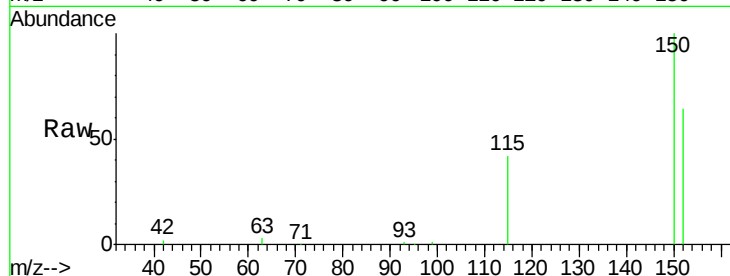
Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion:152 Resp: 28288

Ion Ratio Lower Upper

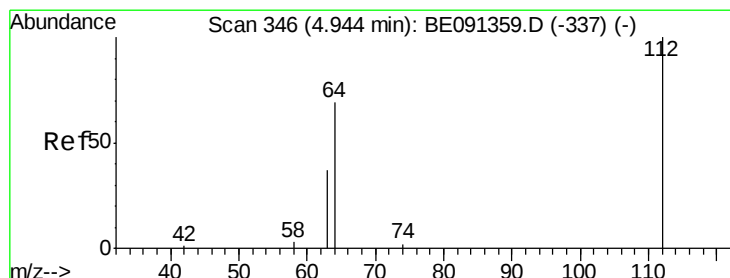
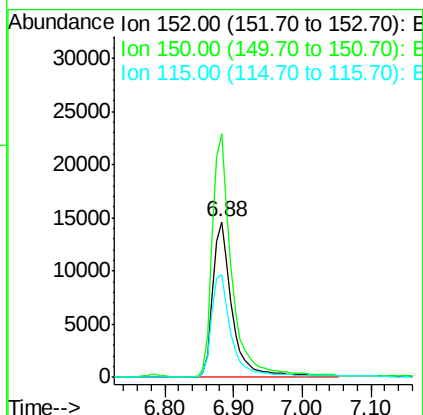
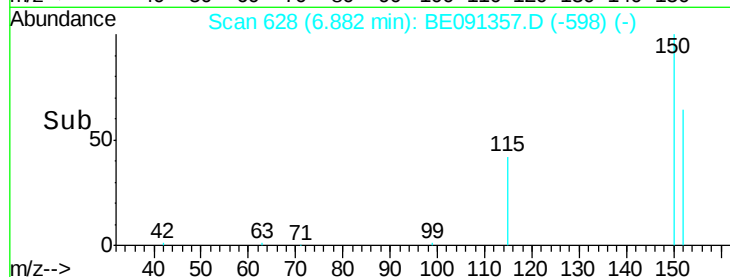
152 100

150 156.2 121.6 182.4

115 66.1 50.6 75.8

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#2

2-Fluorophenol

Concen: 0.30 ng m

RT: 5.01 min Scan# 355

Delta R.T. 0.06 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

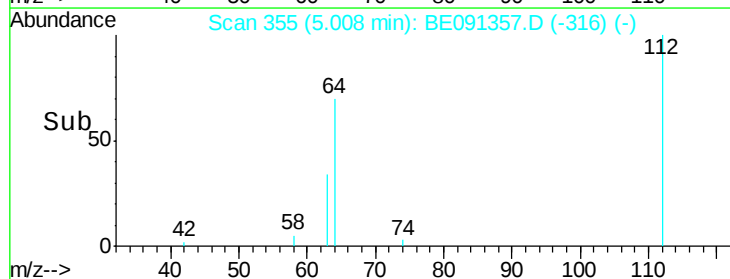
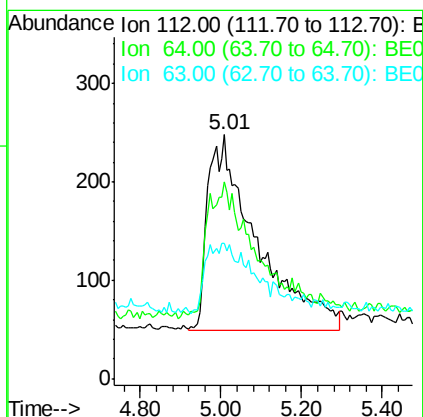
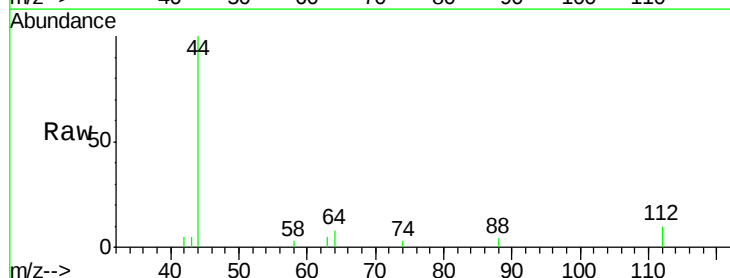
Tgt Ion:112 Resp: 1683

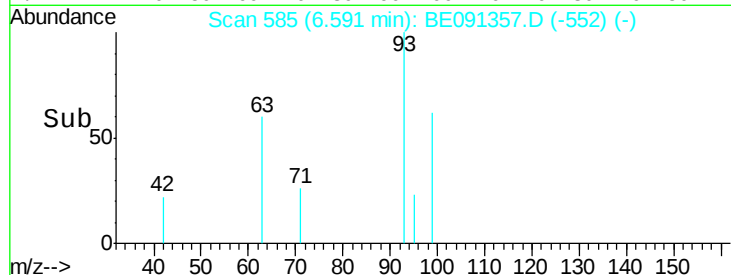
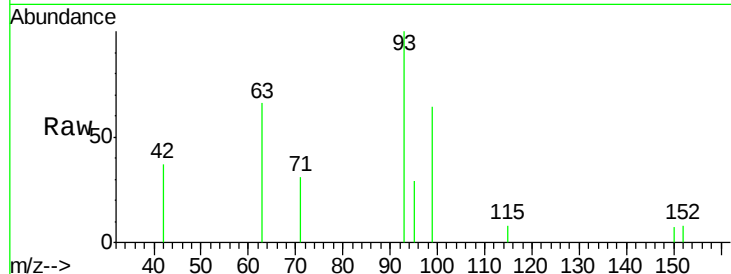
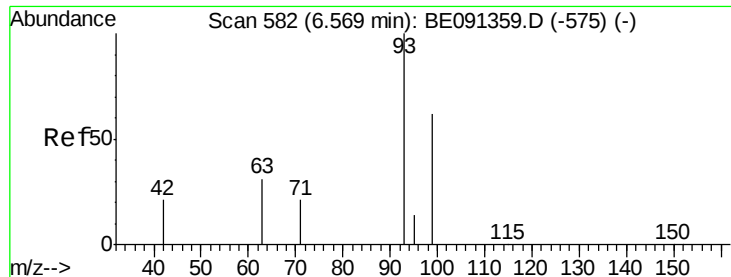
Ion Ratio Lower Upper

112 100

64 12.0 57.4 86.0#

63 7.3 32.2 48.2#





#3

Phenol-d6

Concen: 0.33 ng

RT: 6.59 min Scan# 585

Delta R.T. 0.02 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.8	22.9	34.3#
71	34.2	35.4	53.2#

Instrument :

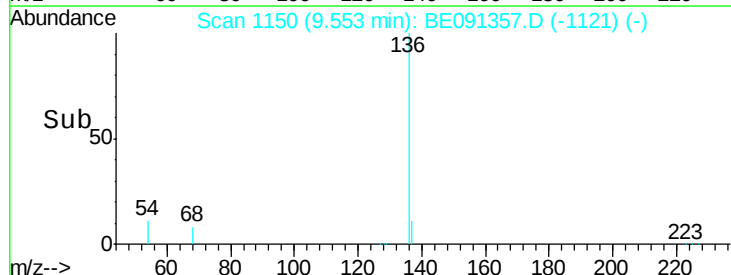
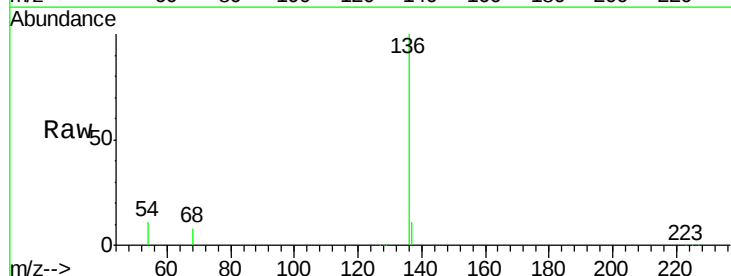
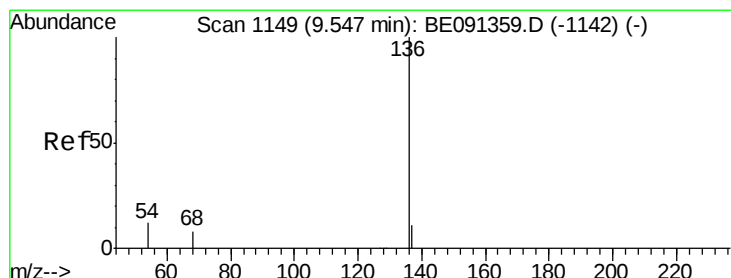
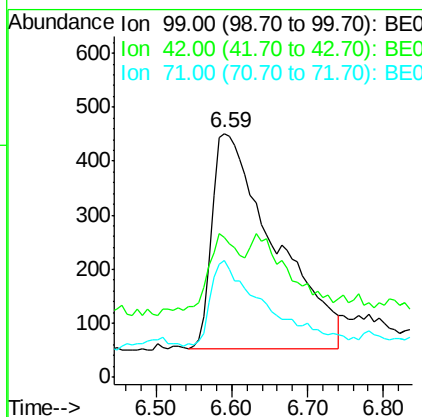
BNA_E

ClientSampleId :

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#4

Naphthalene-d8

Concen: 5.00 ng

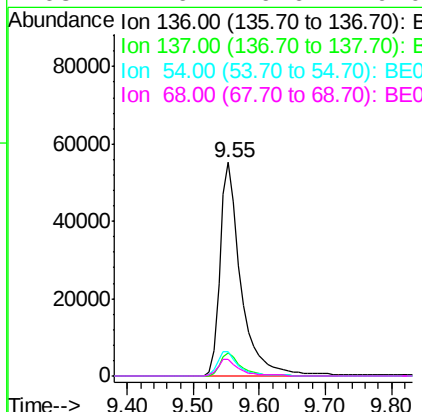
RT: 9.55 min Scan# 1150

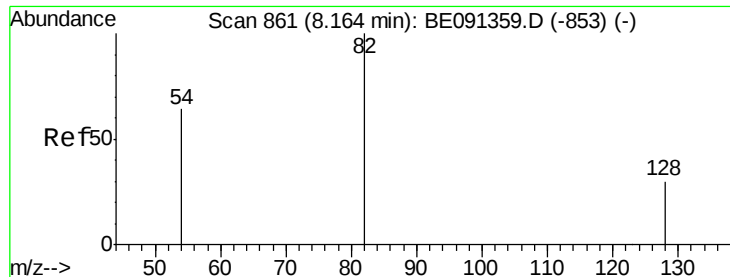
Delta R.T. 0.01 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.3	9.8	14.6
68	7.6	6.6	10.0





#5

Nitrobenzene-d5

Concen: 0.46 ng

RT: 8.19 min Scan# 866

Delta R.T. 0.02 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

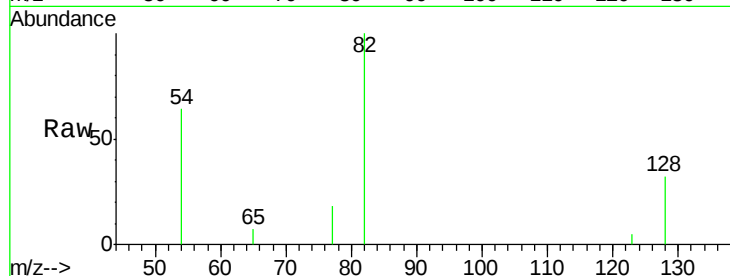
ClientSampleId :

SSTDIC0.5

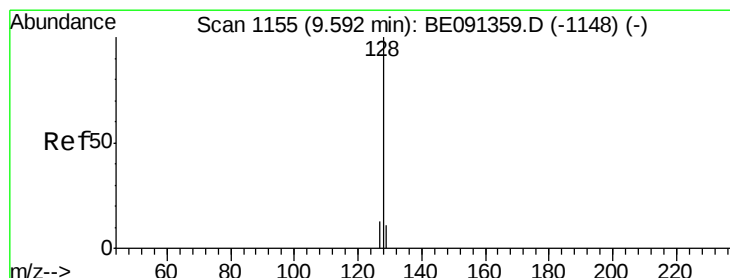
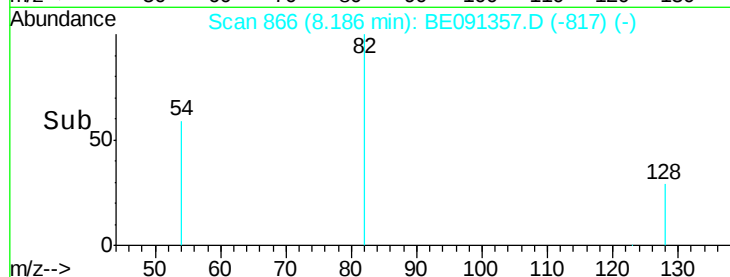
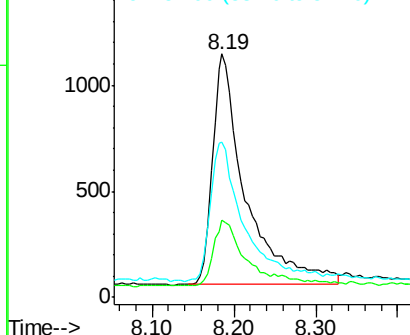
Tgt Ion:	82	Resp:	3090
Ion Ratio	Lower	Upper	
82	100		
128	31.7	24.6	36.8
54	63.9	52.7	79.1

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.47 ng

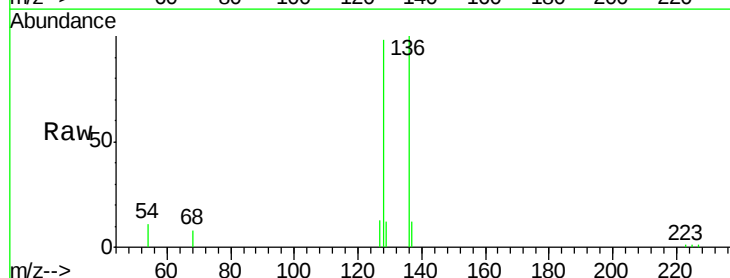
RT: 9.60 min Scan# 1156

Delta R.T. 0.01 min

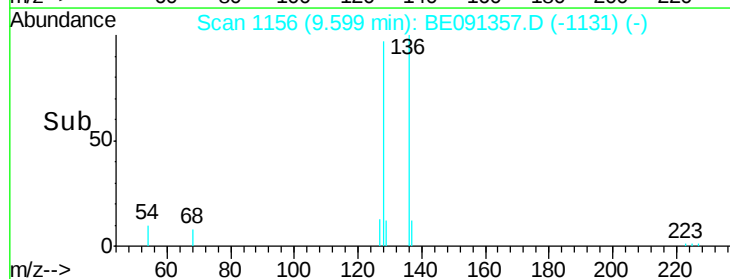
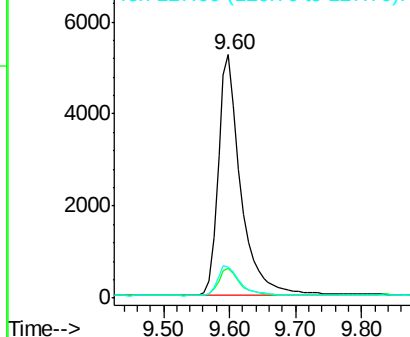
Lab File: BE091357.D

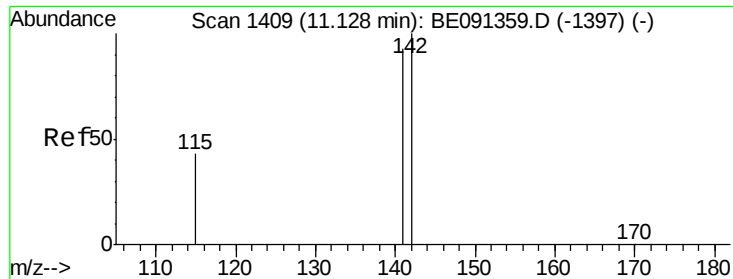
Acq: 14 Jan 2016 19:01

Tgt Ion:	128	Resp:	12482
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.3	13.9
127	12.9	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.25 ng

RT: 11.15 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

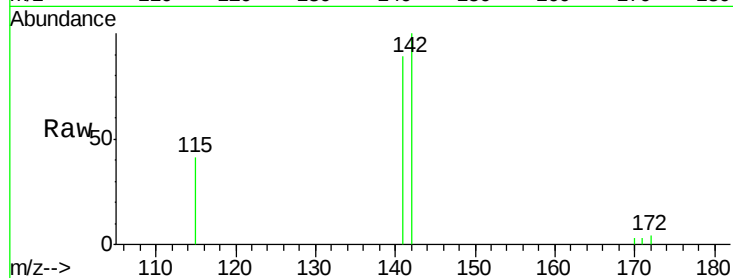
ClientSampleId :

SSTDICC0.5

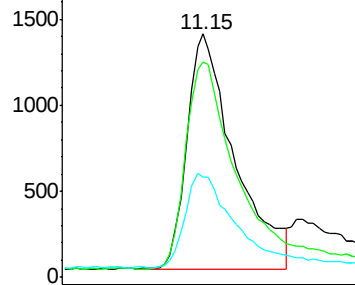
Tgt Ion:	142	Resp:	3723
Ion Ratio	Lower	Upper	
142	100		
141	88.7	74.5	111.7
115	41.2	35.2	52.8

Manual Integrations
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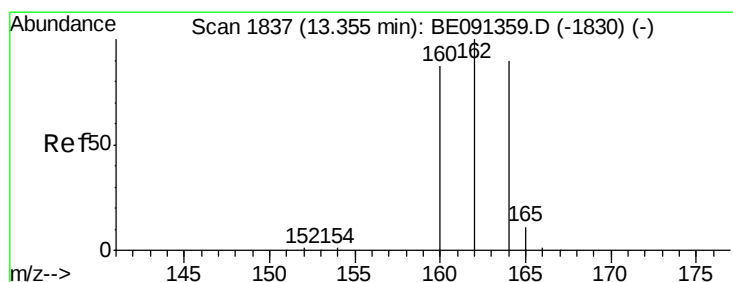
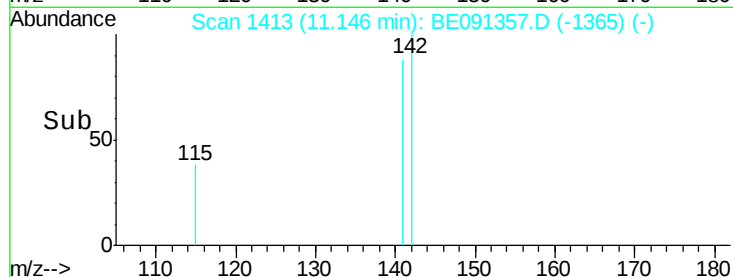
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->



#8

Acenaphthene-d10

Concen: 5.00 ng

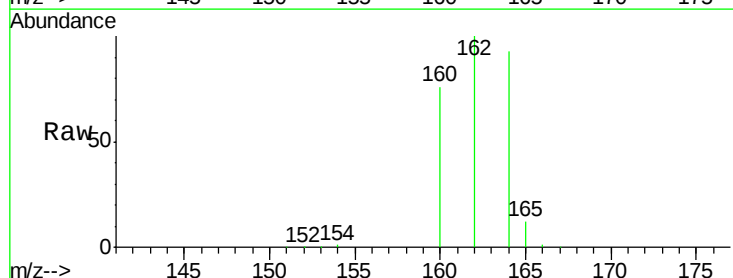
RT: 13.36 min Scan# 1838

Delta R.T. 0.01 min

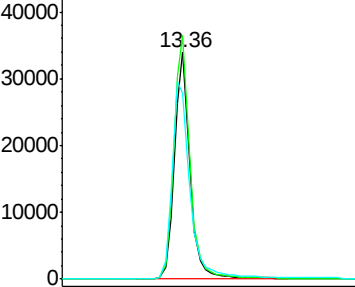
Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

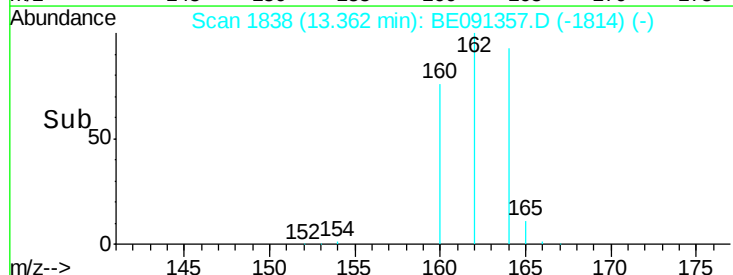
Tgt Ion:	164	Resp:	55133
Ion Ratio	Lower	Upper	
164	100		
162	107.4	88.5	132.7
160	82.1	76.7	115.1

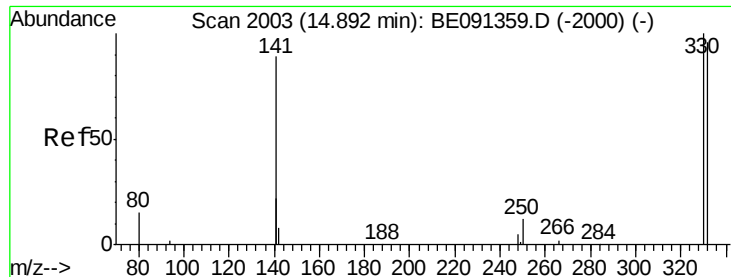


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#9

2,4,6-Tribromophenol

Concen: 0.22 ng

RT: 14.90 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BE091357.D

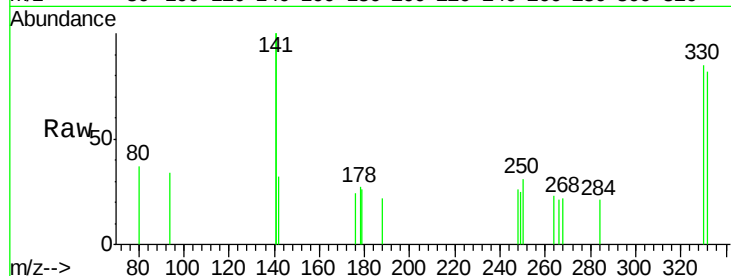
Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

ClientSampleId :

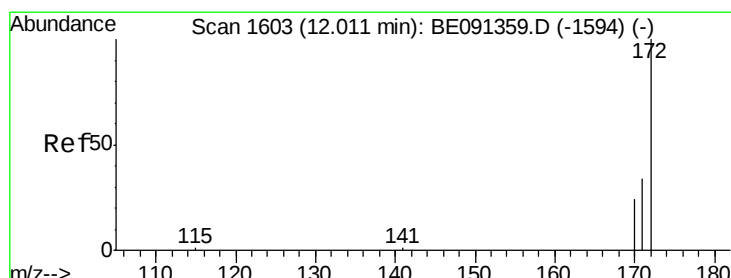
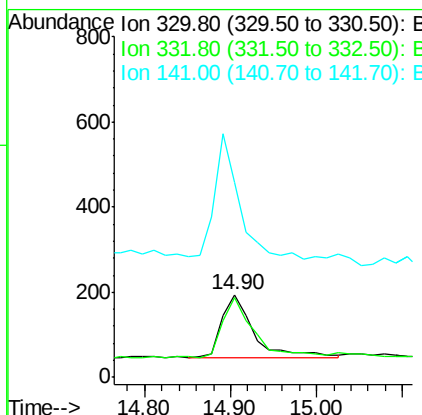
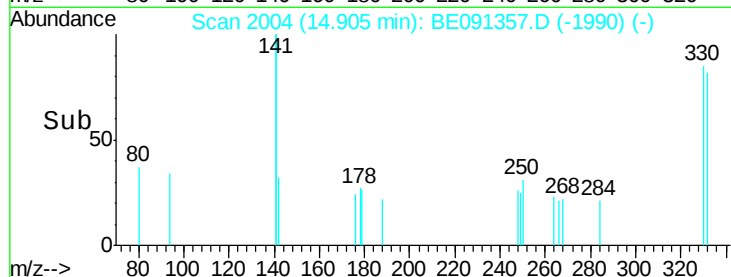
SSTDICC0.5



Tgt Ion:	330	Resp:	375
Ion Ratio	Lower	Upper	
330	100		
332	94.4	78.6	118.0
141	146.9	147.8	221.8#

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#10

2-Fluorobiphenyl

Concen: 0.35 ng

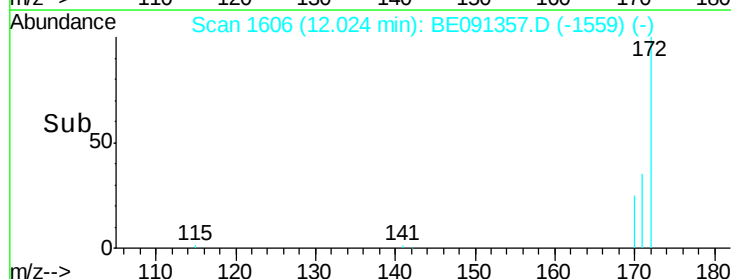
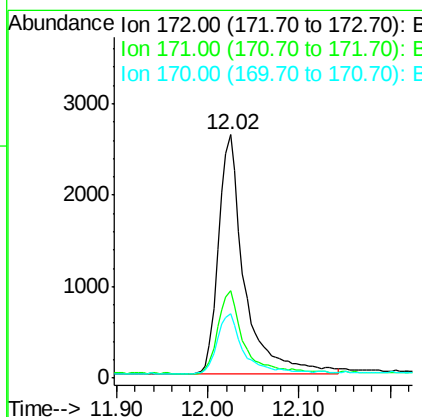
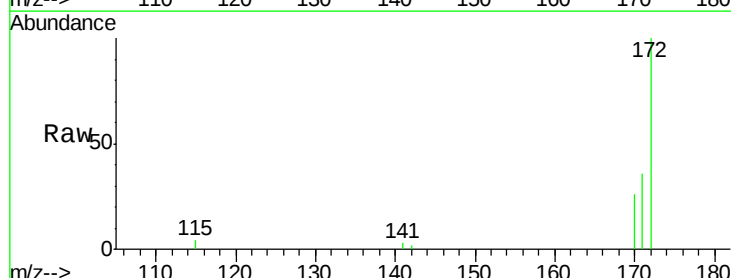
RT: 12.02 min Scan# 1606

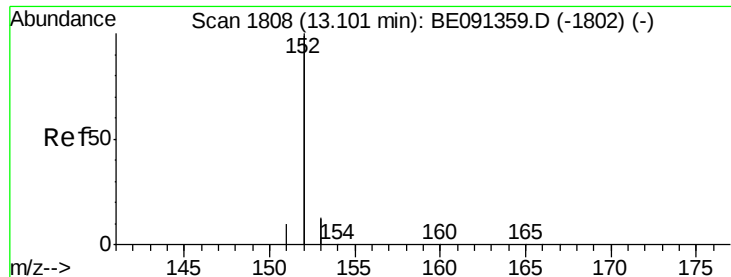
Delta R.T. 0.01 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion:	172	Resp:	5153
Ion Ratio	Lower	Upper	
172	100		
171	36.0	27.3	40.9
170	26.3	19.8	29.6





#11

Acenaphthylene

Concen: 0.31 ng

RT: 13.11 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

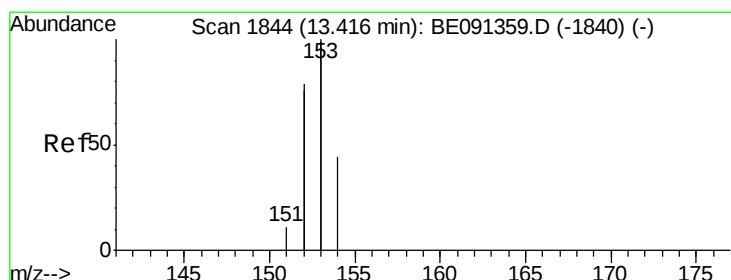
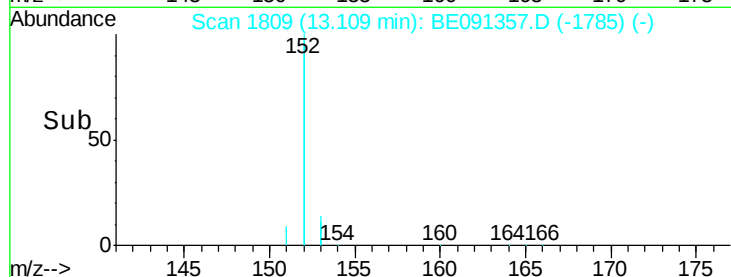
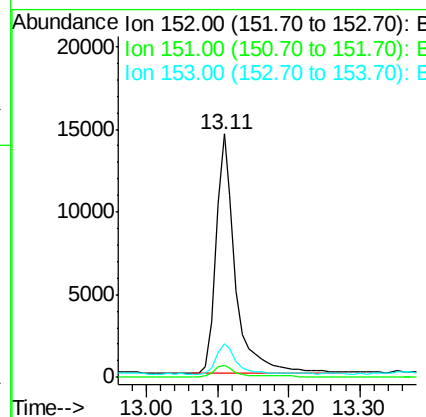
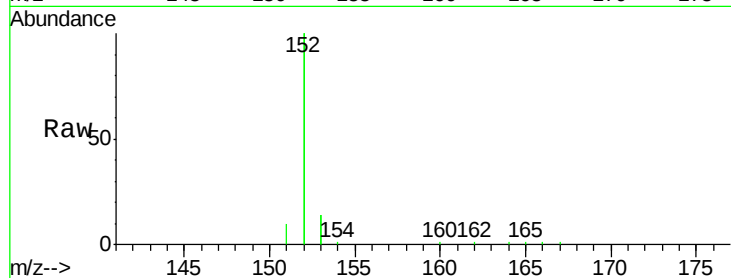
ClientSampleId :

SSTDIC0.5

Tgt Ion:	152	Resp:	27866
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.8	5.8
153	13.1	10.1	15.1

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#12

Acenaphthene

Concen: 0.49 ng

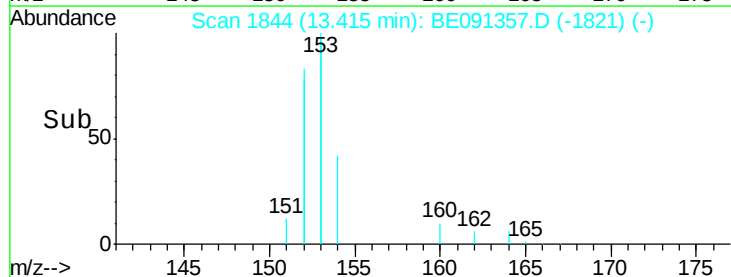
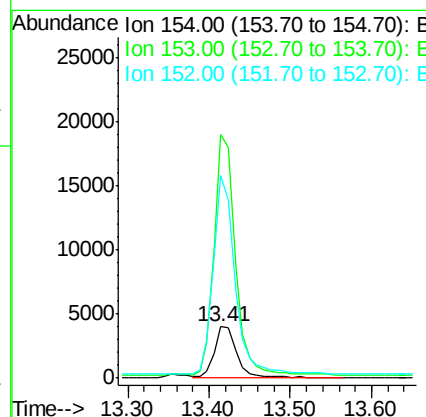
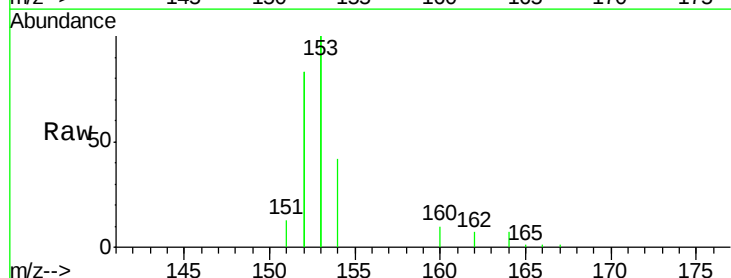
RT: 13.41 min Scan# 1844

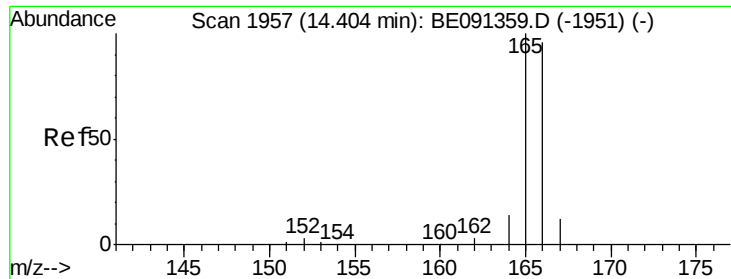
Delta R.T. -0.00 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion:	154	Resp:	7298
Ion Ratio	Lower	Upper	
154	100		
153	470.0	370.2	555.4
152	397.8	310.5	465.7





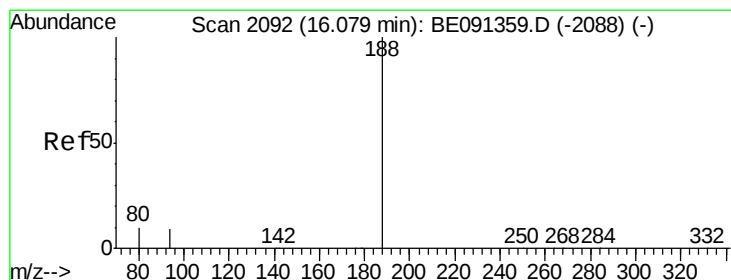
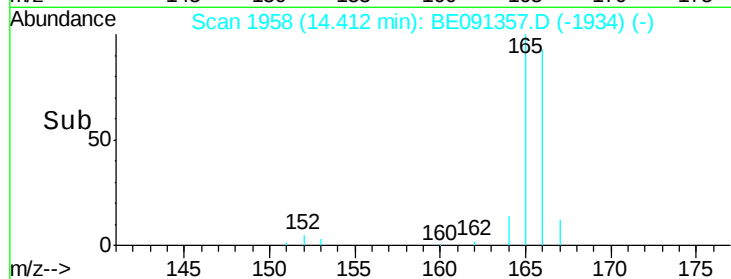
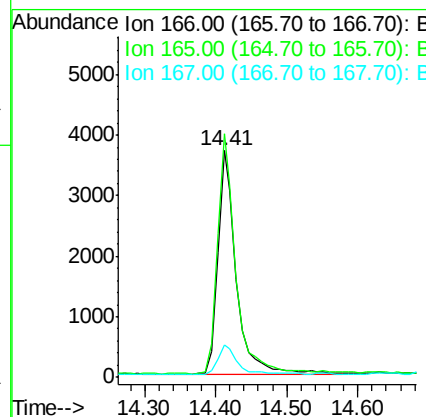
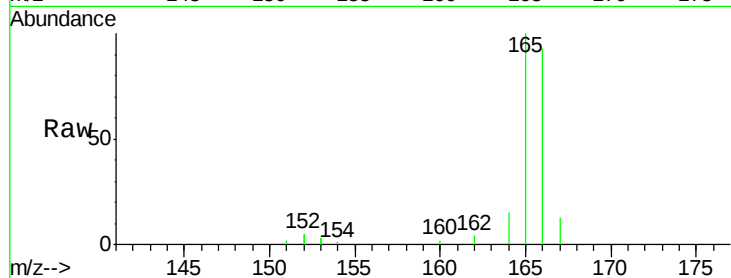
#13
Fluorene
 Concen: 0.37 ng
 RT: 14.41 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: BE091357.D
 Acq: 14 Jan 2016 19:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	6756		
165	106.2	83.0	124.6	
167	13.3	11.1	16.7	

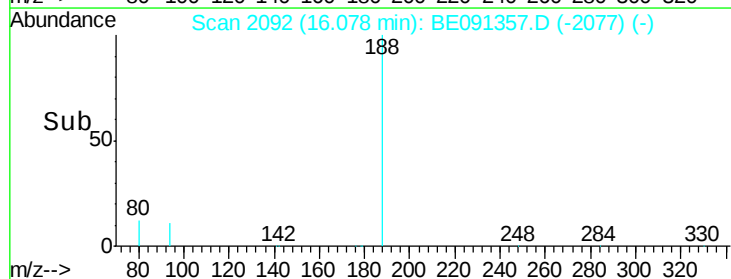
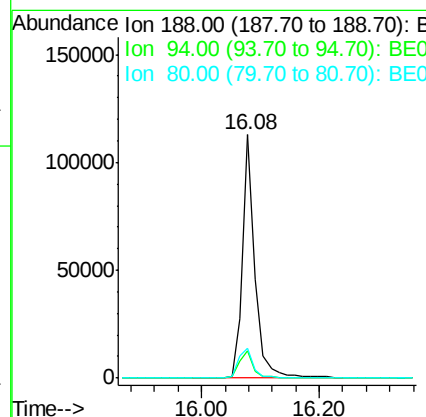
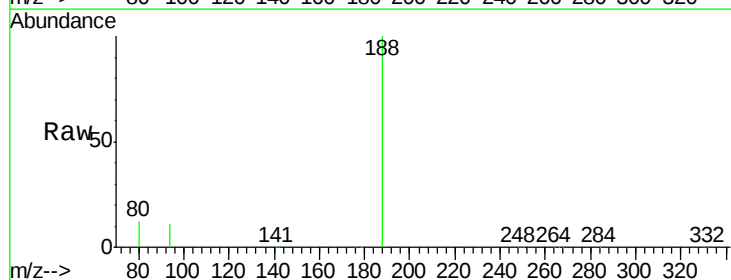
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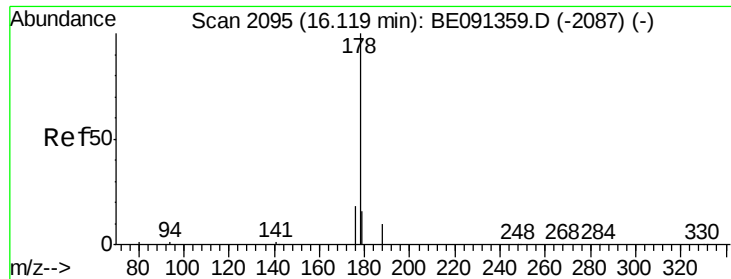
mohammad
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#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.08 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BE091357.D
 Acq: 14 Jan 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	167840		
94	11.3	7.5	11.3#	
80	12.4	8.2	12.2#	





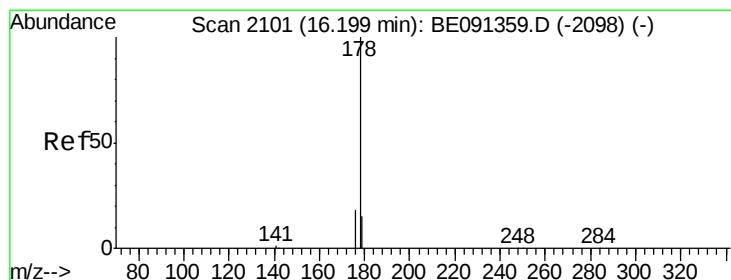
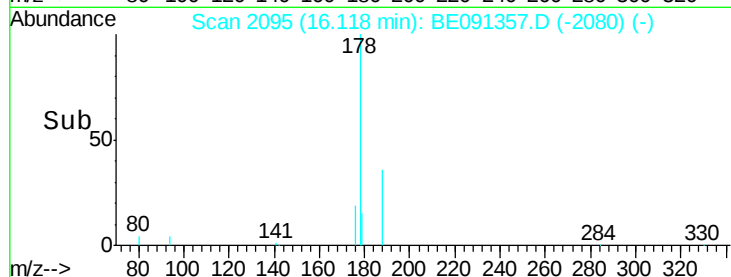
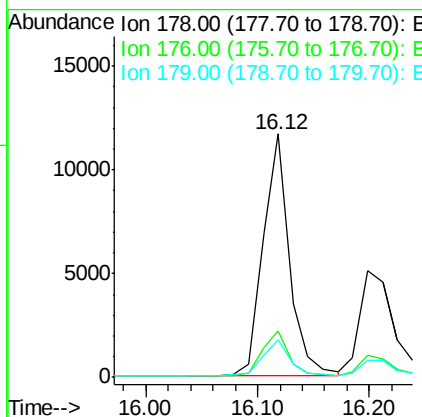
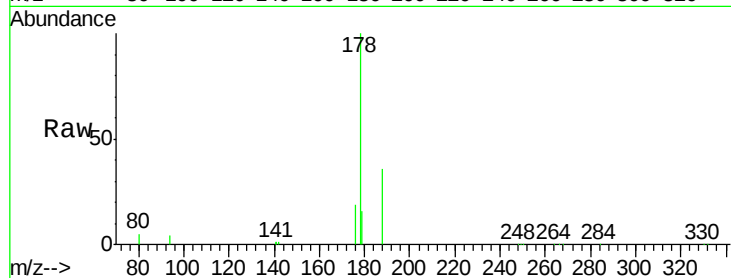
#15
Phenanthrene
Concen: 0.45 ng
RT: 16.12 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE091357.D
Acq: 14 Jan 2016 19:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.1	12.8	19.2

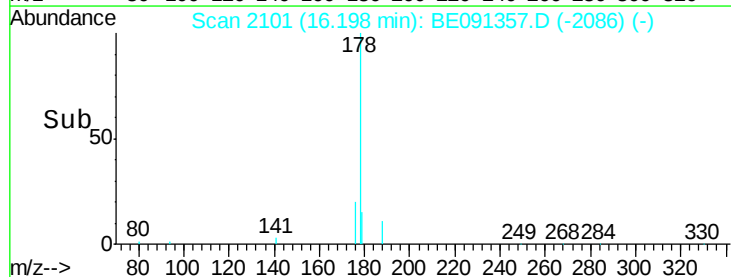
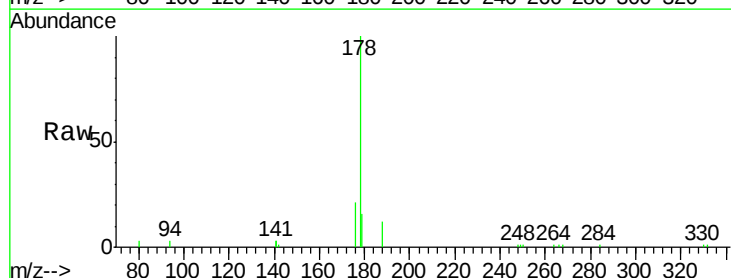
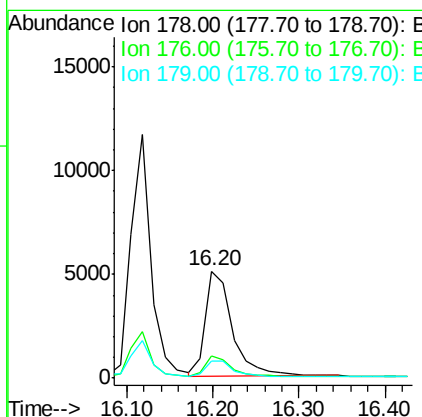
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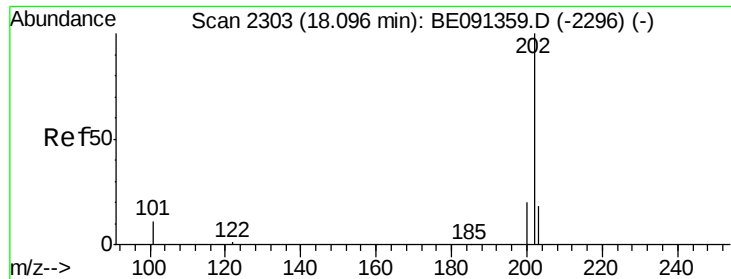
mohammad
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#16
Anthracene
Concen: 0.30 ng
RT: 16.20 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BE091357.D
Acq: 14 Jan 2016 19:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.6
179	16.2	12.4	18.6





#17

Fluoranthene

Concen: 0.18 ng

RT: 18.09 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

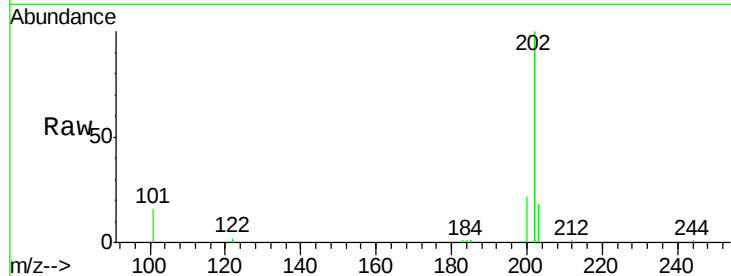
ClientSampleId :

SSTDICC0.5

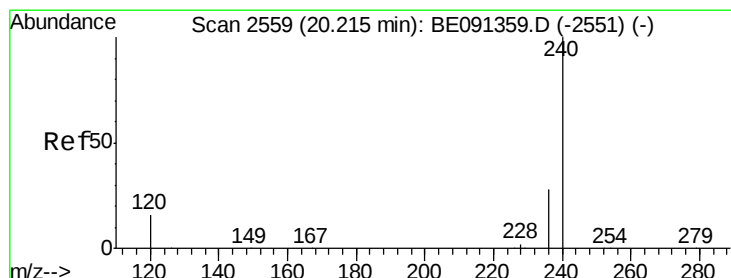
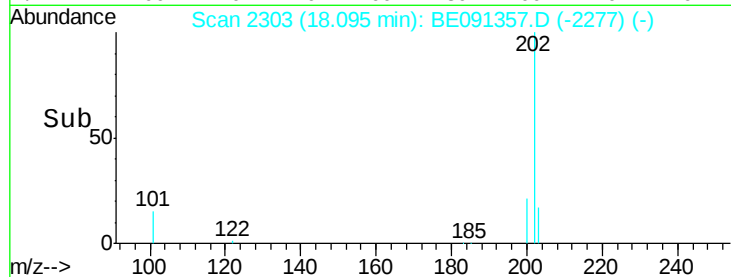
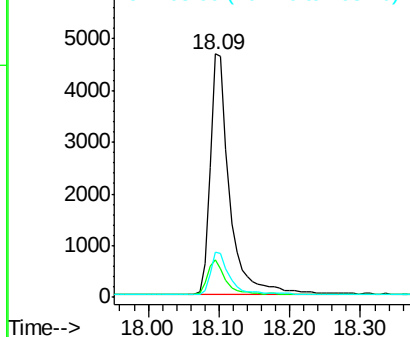
Tgt Ion:	202	Resp:	8959
Ion Ratio	Lower	Upper	
202	100		
101	13.2	11.0	16.4
203	17.4	13.9	20.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#18

Chrysene-d12

Concen: 5.00 ng

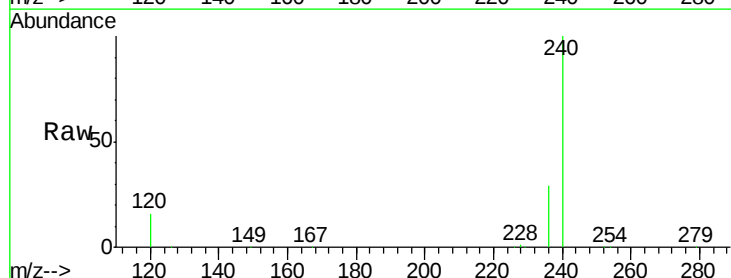
RT: 20.22 min Scan# 2560

Delta R.T. 0.00 min

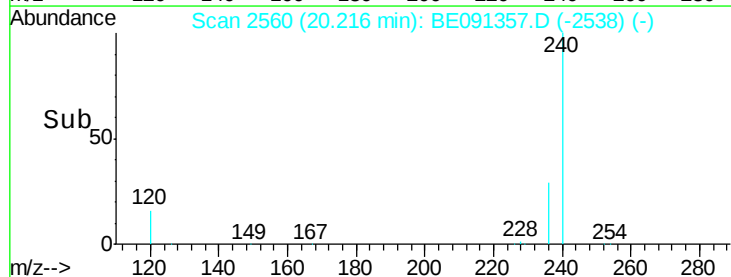
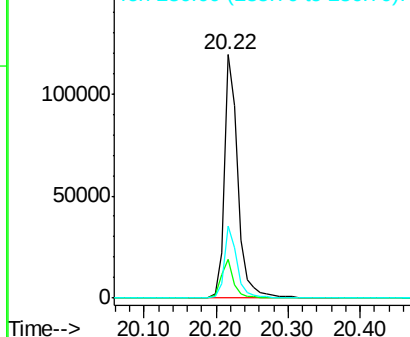
Lab File: BE091357.D

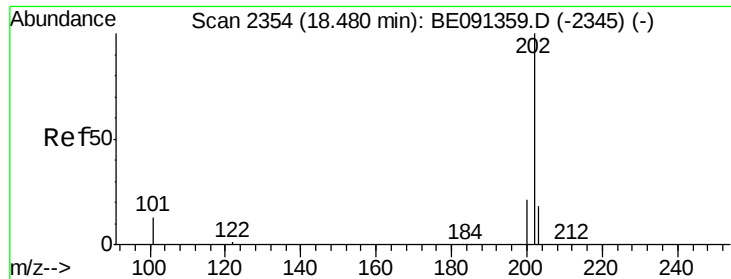
Acq: 14 Jan 2016 19:01

Tgt Ion:	240	Resp:	156608
Ion Ratio	Lower	Upper	
240	100		
120	16.0	12.6	19.0
236	29.4	22.7	34.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





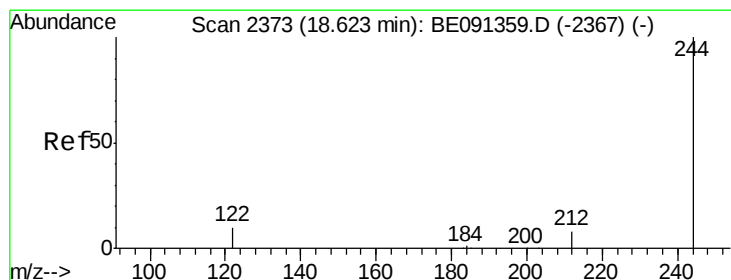
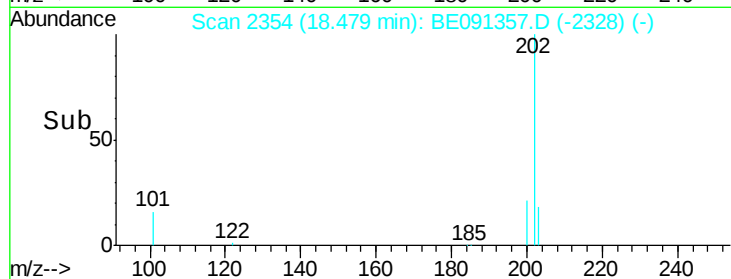
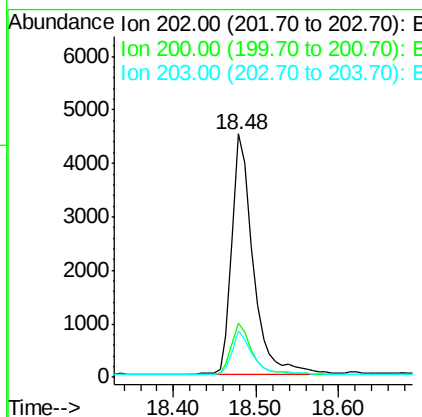
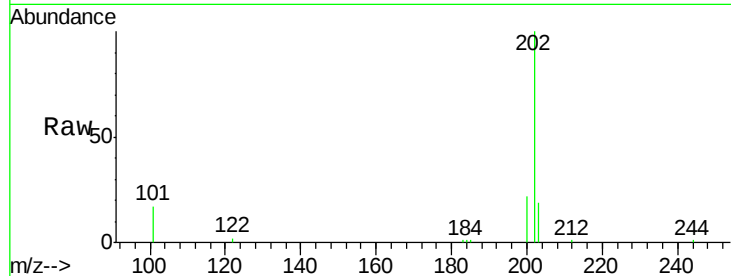
#19
 Pyrene
 Concen: 0.21 ng
 RT: 18.48 min Scan# 2354
 Delta R.T. -0.00 min
 Lab File: BE091357.D
 Acq: 14 Jan 2016 19:01

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion:	202	Resp:	7977
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.2	25.8
203	17.8	14.2	21.4

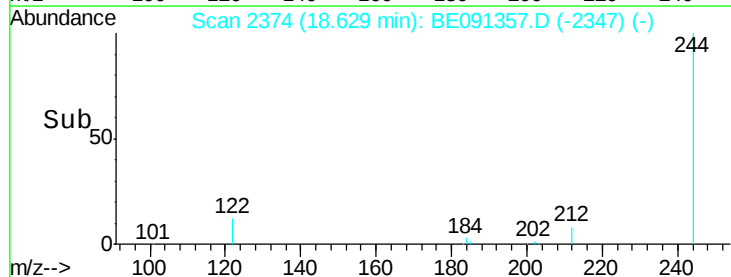
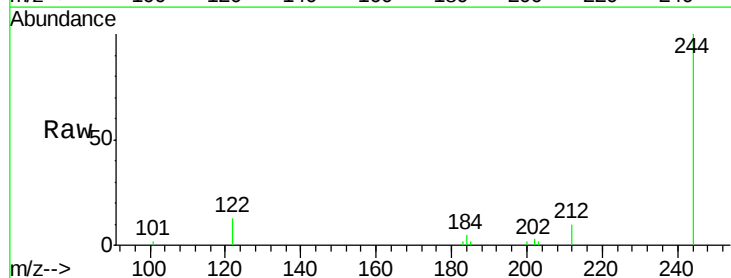
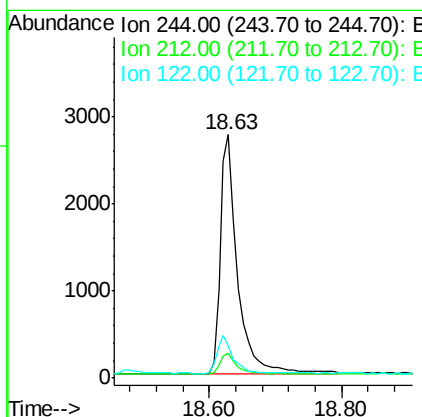
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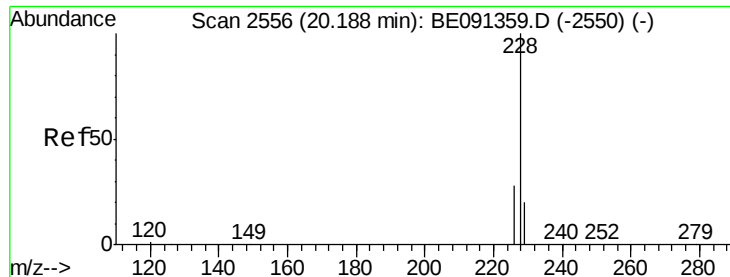
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#20
 Terphenyl-d14
 Concen: 0.26 ng
 RT: 18.63 min Scan# 2374
 Delta R.T. 0.01 min
 Lab File: BE091357.D
 Acq: 14 Jan 2016 19:01

Tgt Ion:	244	Resp:	5024
Ion Ratio	Lower	Upper	
244	100		
212	10.0	7.0	10.4
122	13.4	8.5	12.7#





#21

Benzo(a)anthracene

Concen: 0.21 ng

RT: 20.19 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

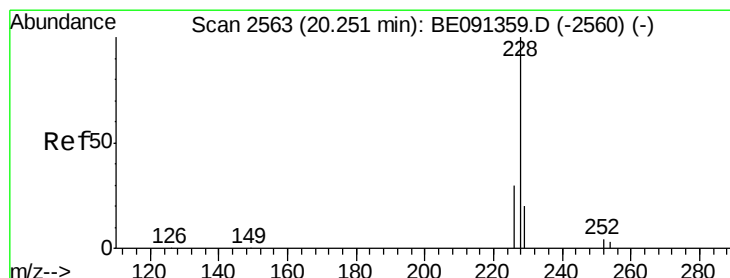
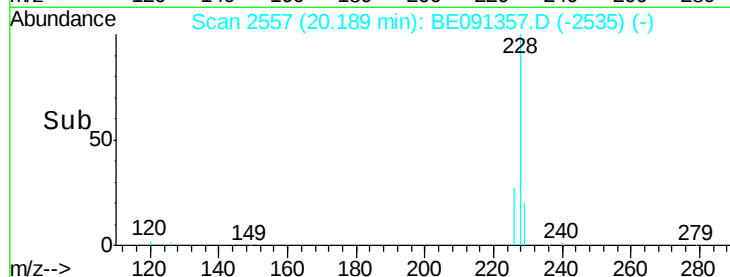
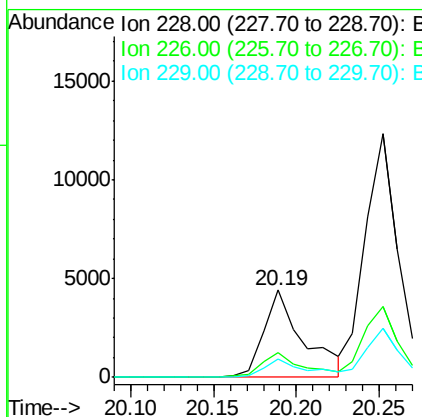
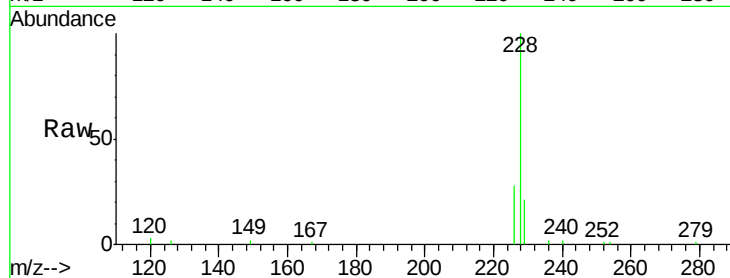
ClientSampleId :

SSTDIC0.5

Tgt Ion:	228	Resp:	7159
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.5	33.7
229	20.8	16.2	24.4

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#22

Chrysene

Concen: 0.38 ng

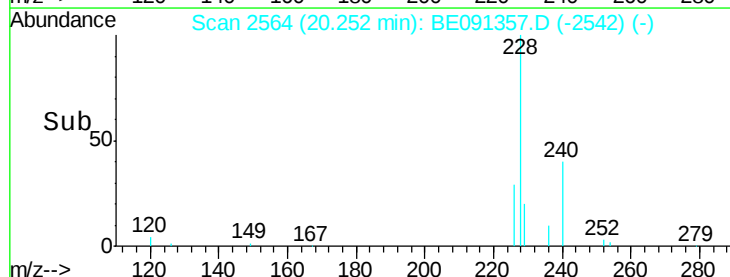
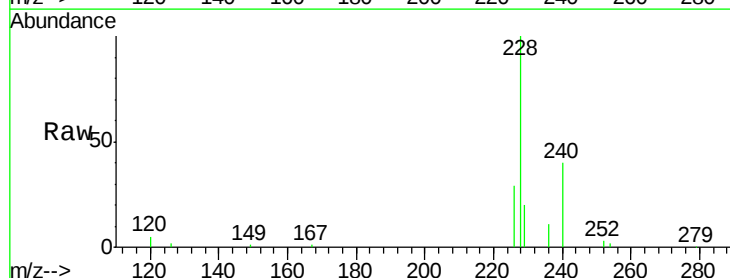
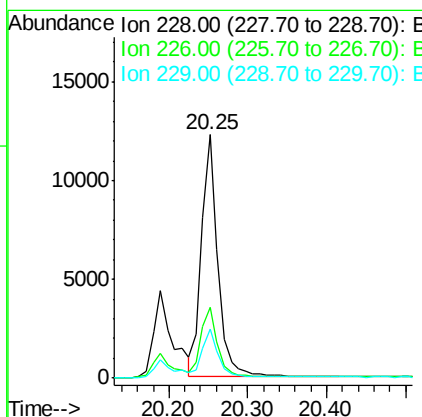
RT: 20.25 min Scan# 2564

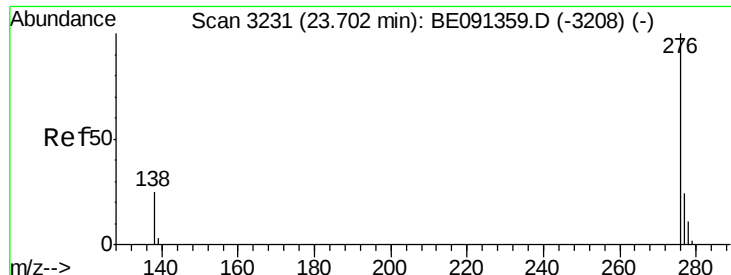
Delta R.T. 0.00 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion:	228	Resp:	17768
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.7	35.5
229	20.2	16.0	24.0





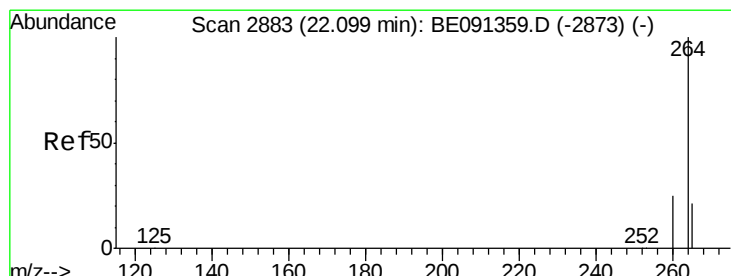
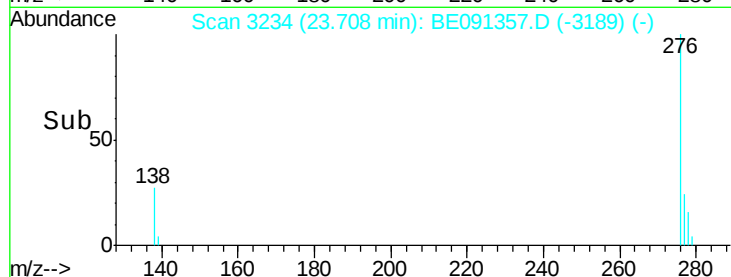
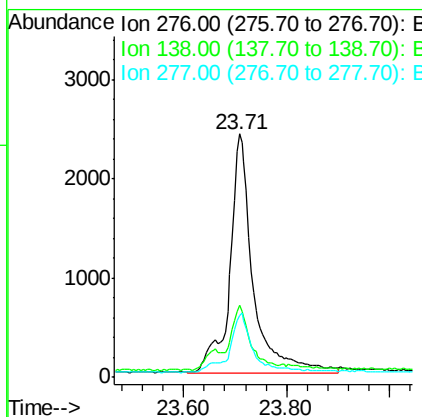
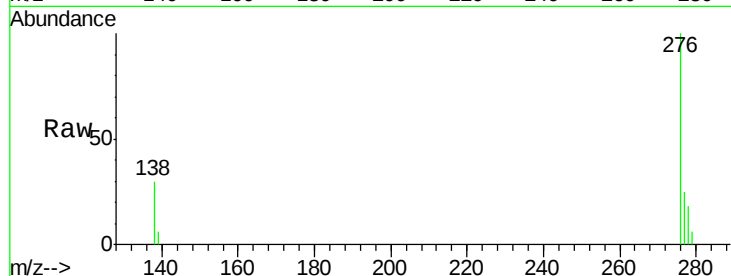
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.21 ng m
RT: 23.71 min Scan# 3234
Delta R.T. 0.01 min
Lab File: BE091357.D
Acq: 14 Jan 2016 19:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	7569		
138	19.4		18.6	27.8
277	20.7		16.5	24.7

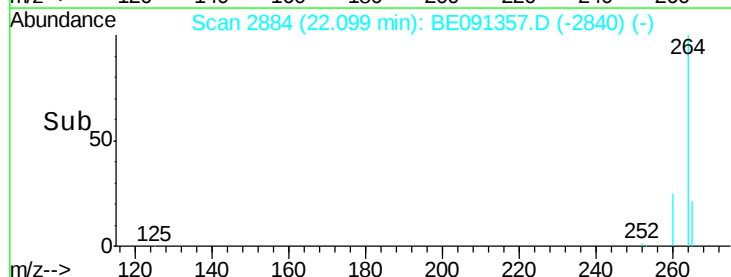
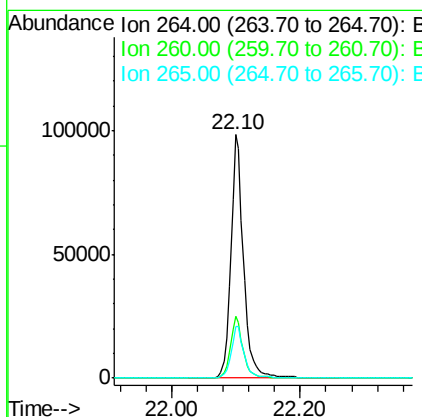
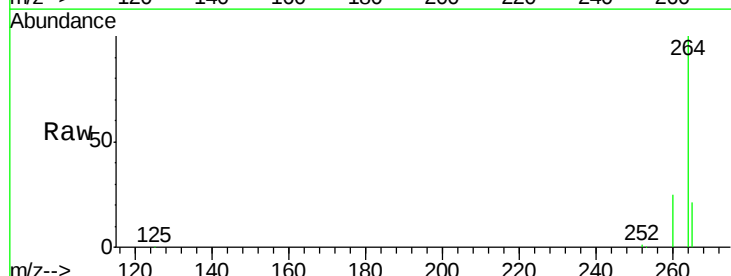
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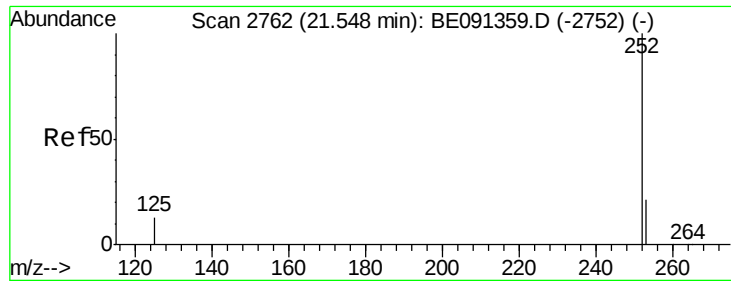
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BE091357.D
Acq: 14 Jan 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	134518		
260	25.2		20.4	30.6
265	21.4		17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 0.28 ng

RT: 21.55 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BE091357.D

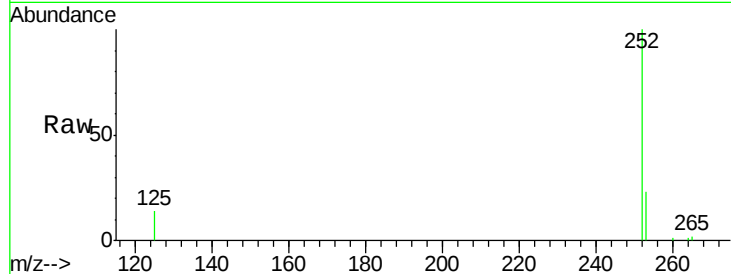
Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

ClientSampleId :

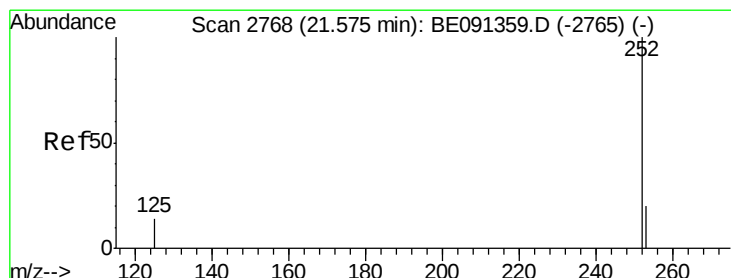
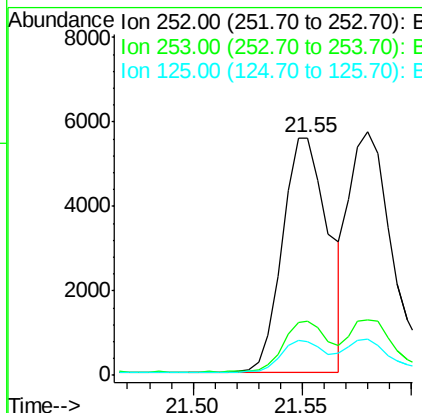
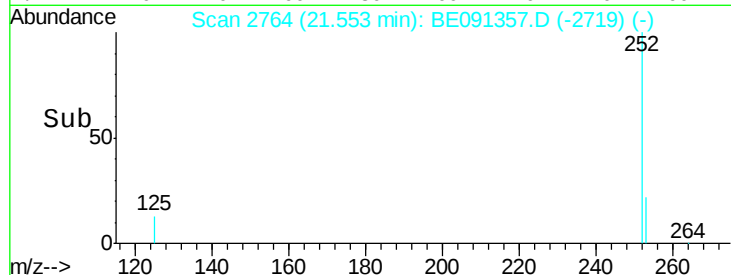
SSTDIC0.5



Tgt Ion:	252	Resp:	8130
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	14.3	11.0	16.6

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#26

Benzo(k)fluoranthene

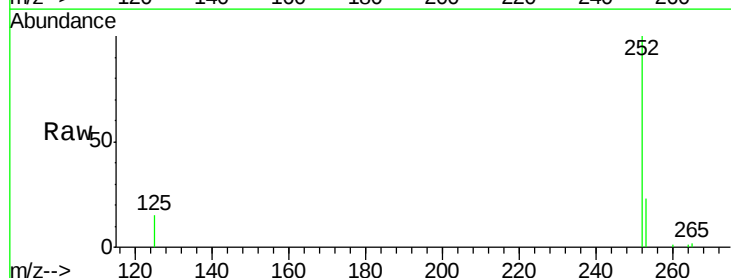
Concen: 0.21 ng

RT: 21.58 min Scan# 2770

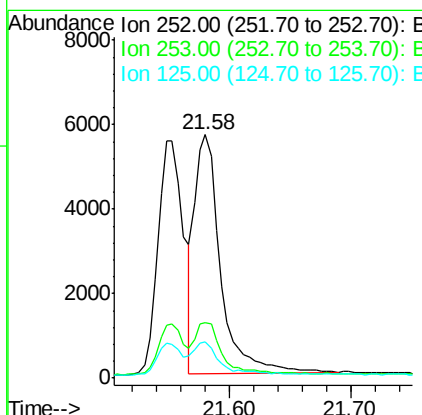
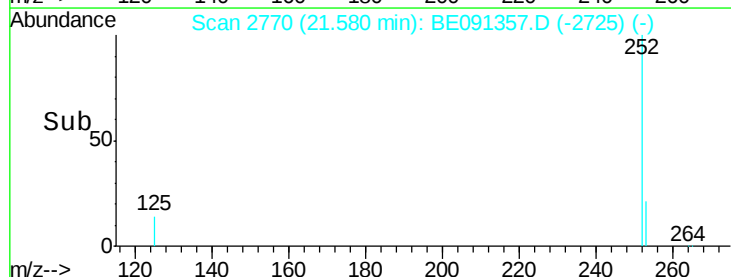
Delta R.T. 0.00 min

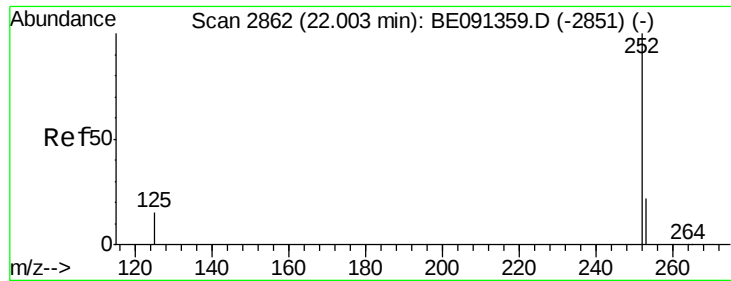
Lab File: BE091357.D

Acq: 14 Jan 2016 19:01



Tgt Ion:	252	Resp:	8362
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	14.7	11.3	16.9





#27

Benzo(a)pyrene

Concen: 0.25 ng

RT: 22.01 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE091357.D

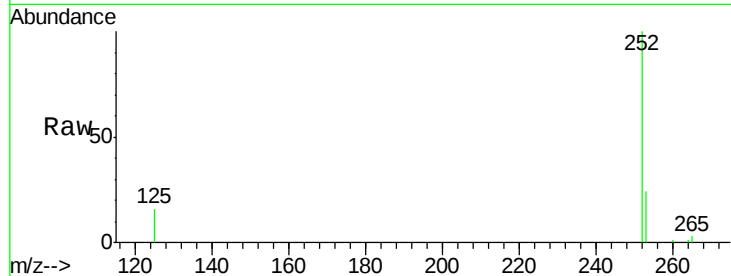
Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

ClientSampleId :

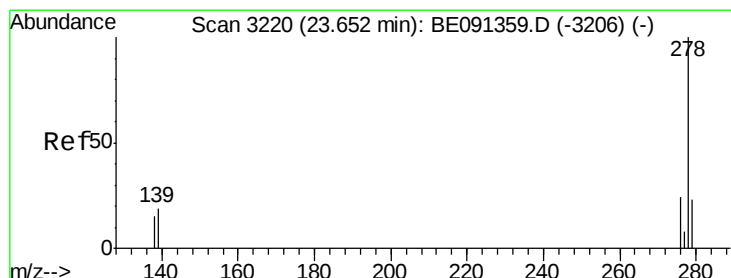
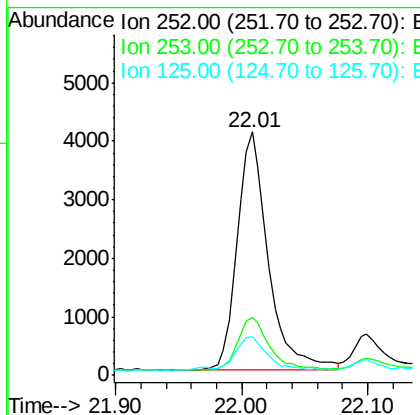
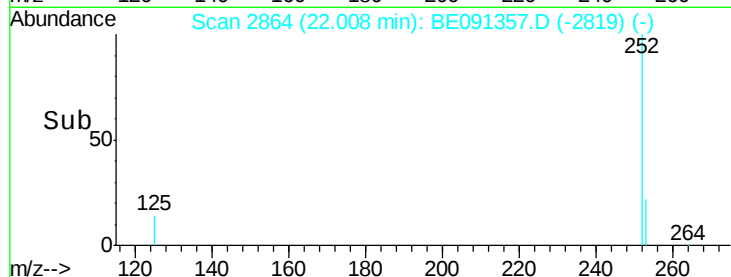
SSTDIC0.5



Tgt Ion:	252	Resp:	6935
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.1	27.1
125	16.1	12.2	18.4

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#28

Dibenzo(a,h)anthracene

Concen: 0.18 ng

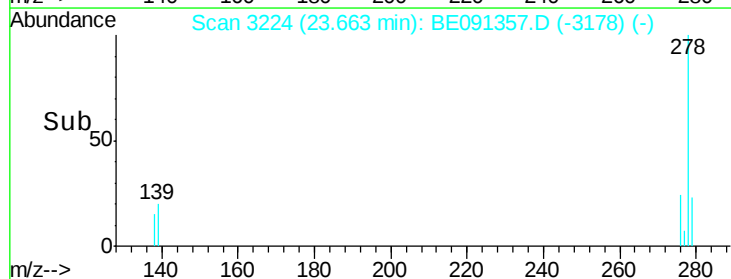
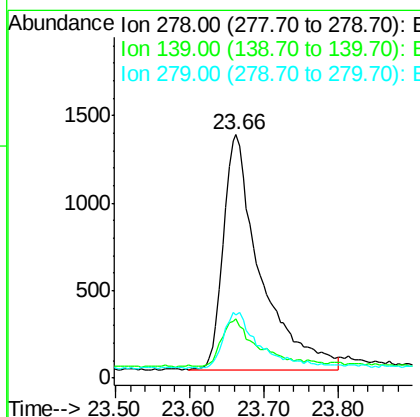
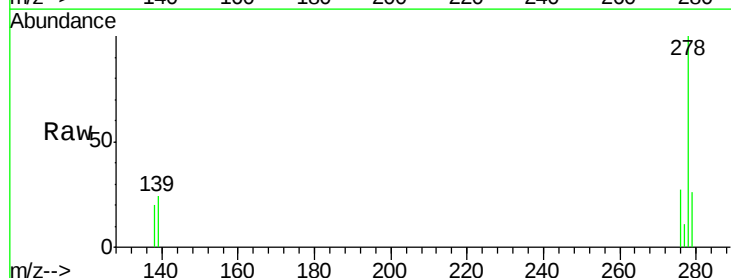
RT: 23.66 min Scan# 3224

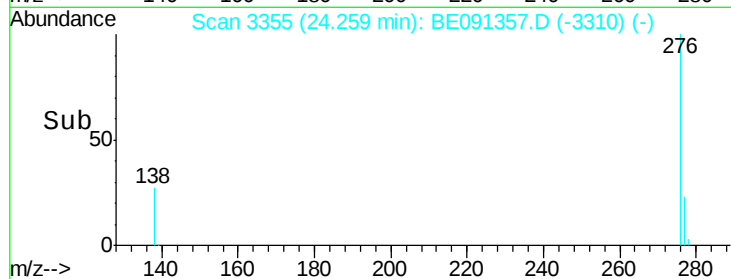
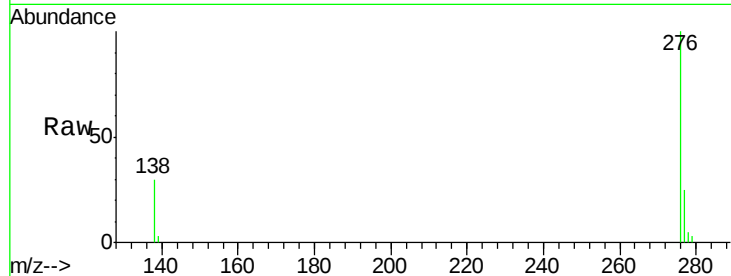
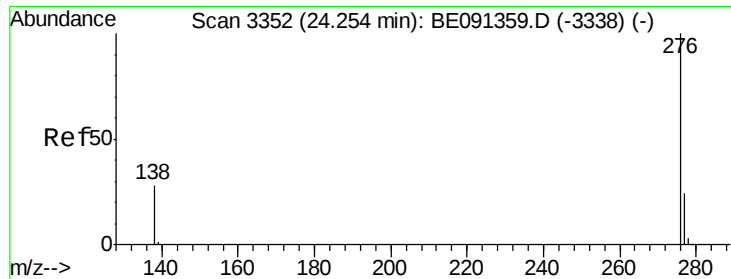
Delta R.T. 0.01 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Tgt Ion:	278	Resp:	4625
Ion Ratio	Lower	Upper	
278	100		
139	24.4	16.3	24.5
279	26.1	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 0.25 ng

RT: 24.26 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BE091357.D

Acq: 14 Jan 2016 19:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

Tgt	Ion	276	Resp:	7072
Ion	Ratio	Lower	Upper	
276	100			
277	25.2	19.8	29.6	
138	29.6	23.3	34.9	

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