

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092667.D
 Acq On : 19 Jan 2017 21:21
 Operator : UM/SJ
 Sample : I1305-02DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0050DL

Manual Integrations
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 1/20/2017 2:05:38 PM

Quant Time: Jan 20 02:18:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9628	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	46771	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	32070	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	73503	5.00	ng	0.00
24) Chrysene-d12	21.70	240	70659	5.00	ng	-0.02
31) Perylene-d12	24.06	264	78147	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	6964	3.24	ng	0.00
5) Phenol-d6	7.31	99	9472	3.59	ng	-0.02
8) Nitrobenzene-d5	9.32	82	4678	1.54	ng	-0.02
13) 2,4,6-Tribromophenol	16.27	330	3277	3.53	ng	-0.02
14) 2-Fluorobiphenyl	13.41	172	12496	1.58	ng	-0.01
26) Terphenyl-d14	20.14	244	20307	2.03	ng	-0.02
Target Compounds						
9) Naphthalene	10.95	128	54114	5.54	ng	Qvalue # 95
15) Acenaphthylene	14.49	152	129461	2.93	ng	100
16) Acenaphthene	14.85	154	30428	4.29	ng	92
17) Fluorene	15.83	166	31559	3.55	ng	100
21) Phenanthrene	17.58	178	72841	4.49	ng	95
22) Anthracene	17.67	178	106242	7.10	ng	98
23) Fluoranthene	19.58	202	491446	6.83	ng	99
25) Pyrene	19.93	202	322583	4.63	ng	99
27) Benzo(a)anthracene	21.68	228	140623m	2.02	ng	
28) Chrysene	21.75	228	183343m	2.34	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	5295	0.58	ng	# 68
30) Indeno(1,2,3-cd)pyrene	26.53	276	140820	1.66	ng	96
32) Benzo(b)fluoranthene	23.34	252	78376m	4.15	ng	
33) Benzo(k)fluoranthene	23.38	252	22264m	1.17	ng	
34) Benzo(a)pyrene	23.95	252	54990	3.10	ng	96
35) Dibenzo(a,h)anthracene	26.55	278	37738	2.17	ng	96
36) Benzo(a,h,i)perylene	27.28	276	317949	4.33	ng	97

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

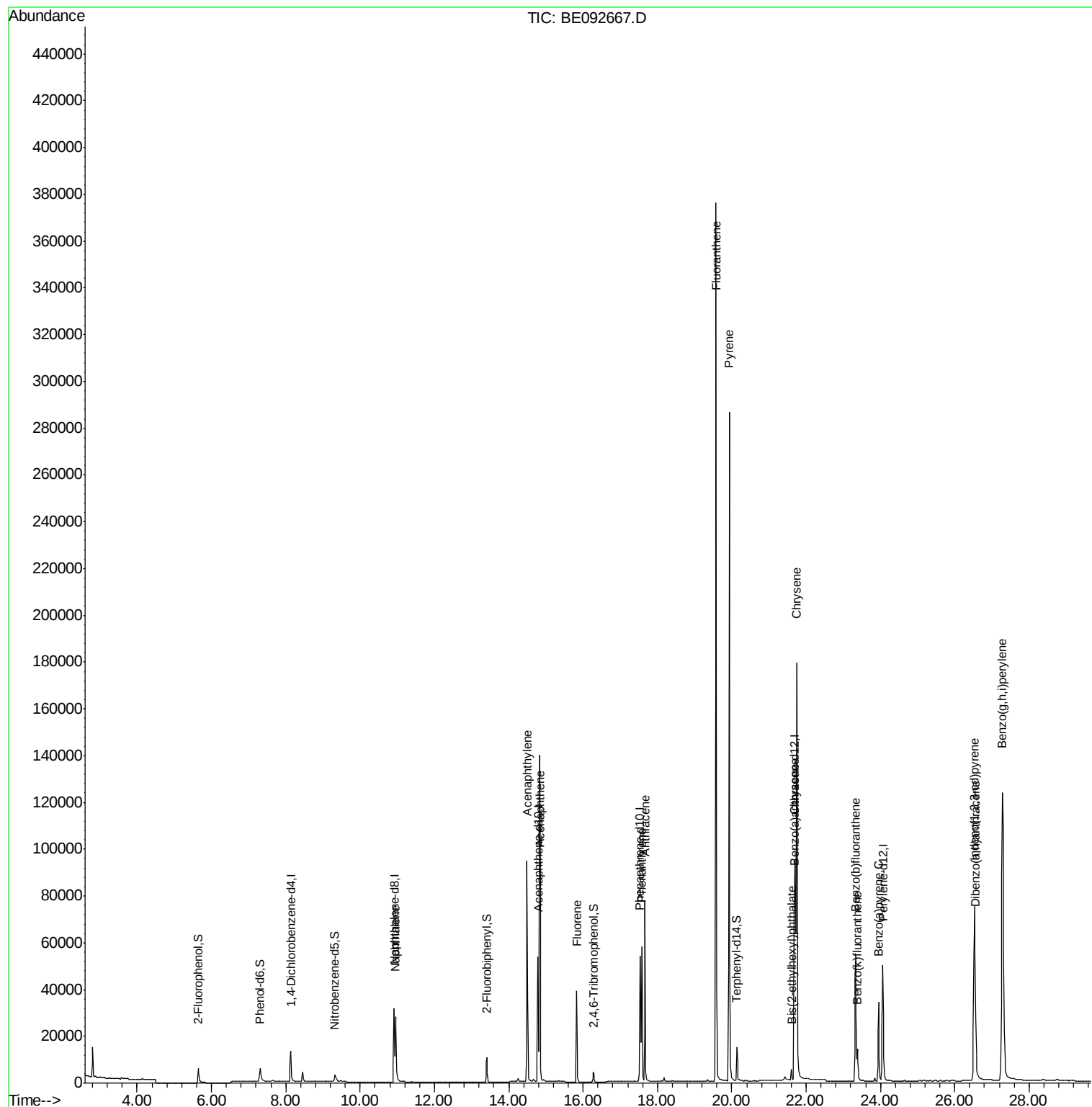
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
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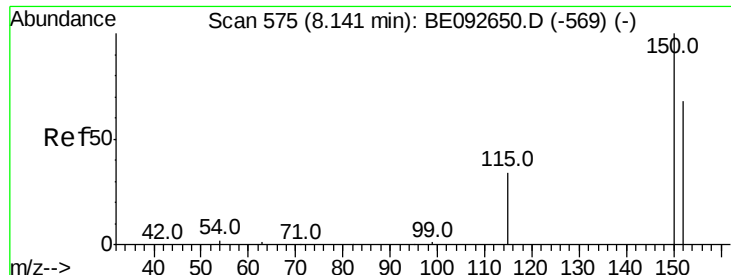
Instrument :
BNA_E
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0050DL

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Quant Time: Jan 20 02:18:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092667.D

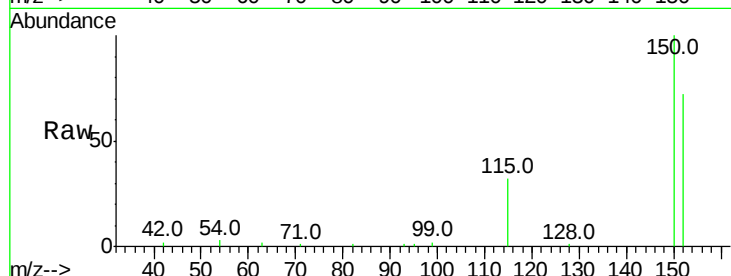
Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

ClientSampleId :

0050DL



Tot Ion:152 Resp: 9628

Ion Ratio Lower Upper

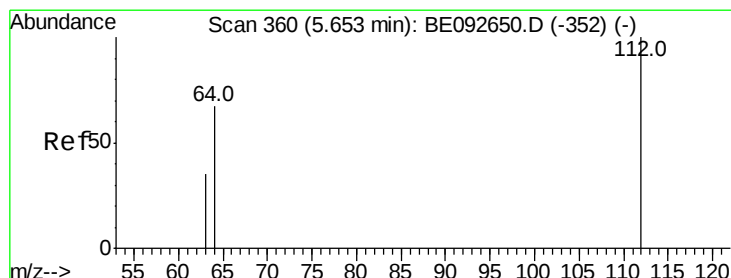
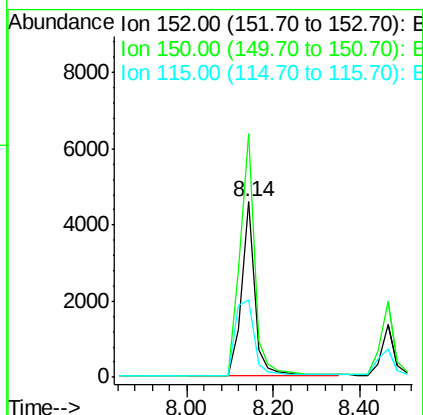
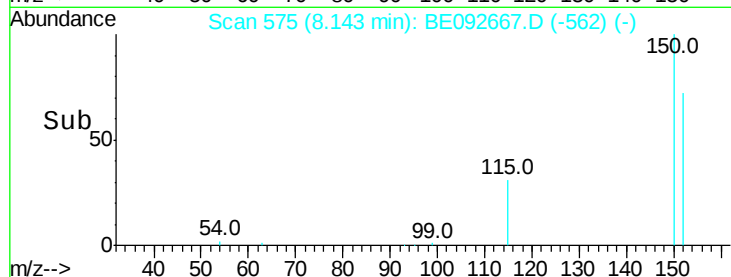
152 100

150 138.8 106.0 159.0

115 43.9 31.2 46.8

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#4

2-Fluorophenol

Concen: 3.24 ng

RT: 5.65 min Scan# 359

Delta R.T. -0.01 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

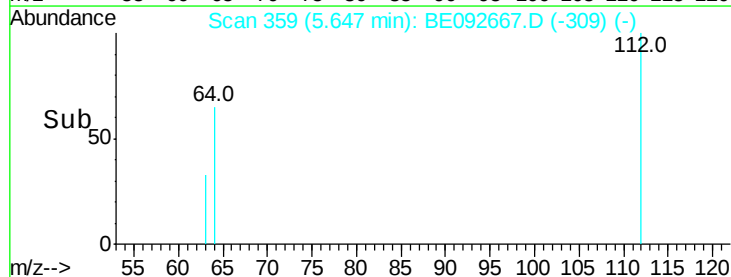
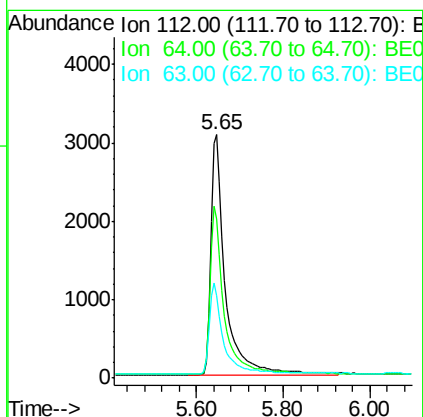
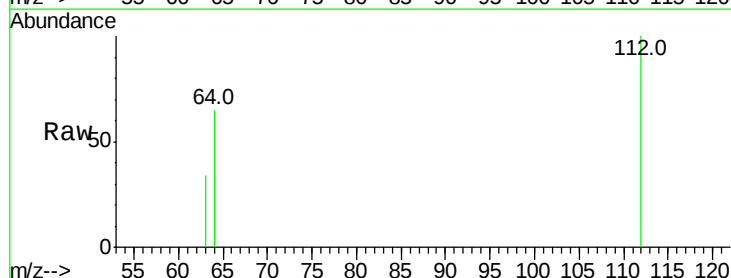
Tgt Ion:112 Resp: 6964

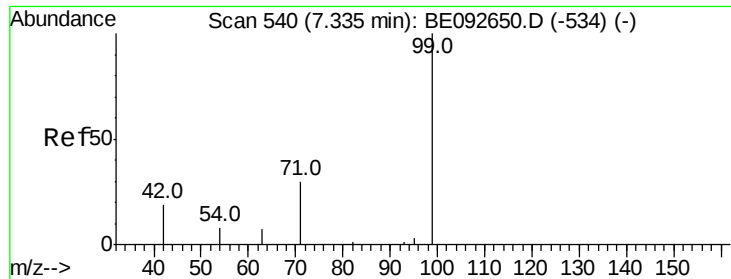
Ion Ratio Lower Upper

112 100

64 68.9 53.5 80.3

63 36.4 27.9 41.9





#5

Phenol-d6

Concen: 3.59 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

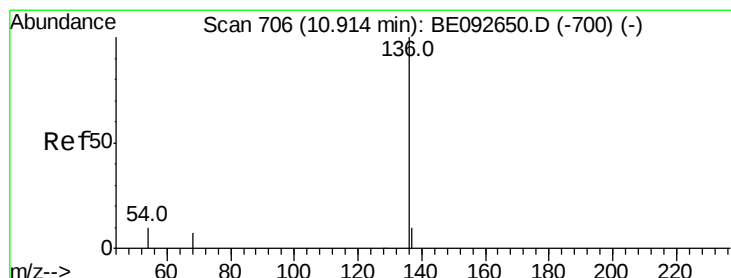
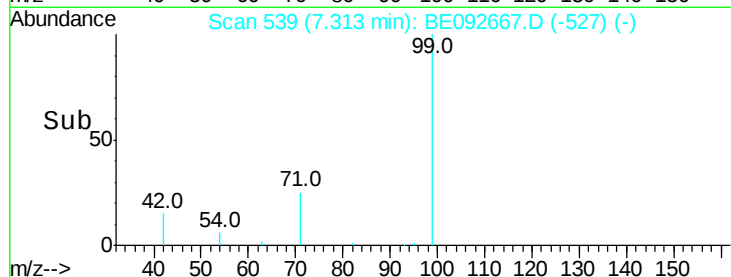
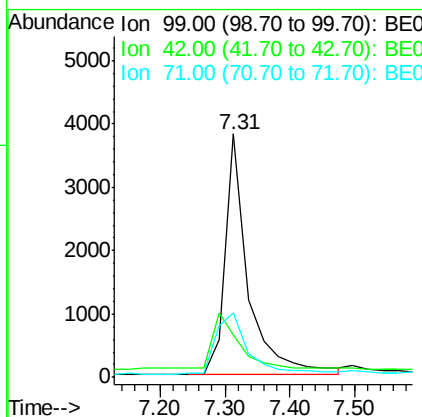
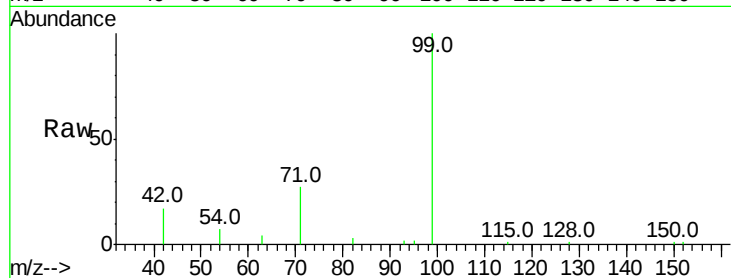
ClientSampleID :

0050DL

Tot Ion:	99	Resp:	9472
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	37.5	30.6	45.8

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#7

Naphthalene-d8

Concen: 5.00 ng

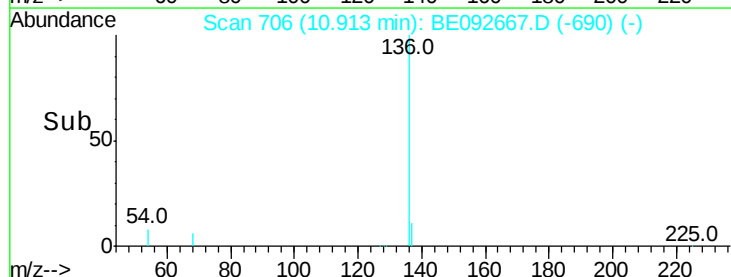
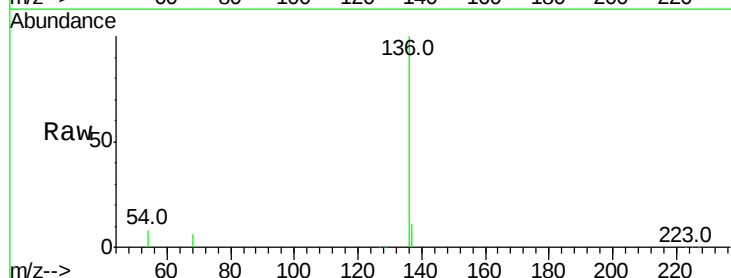
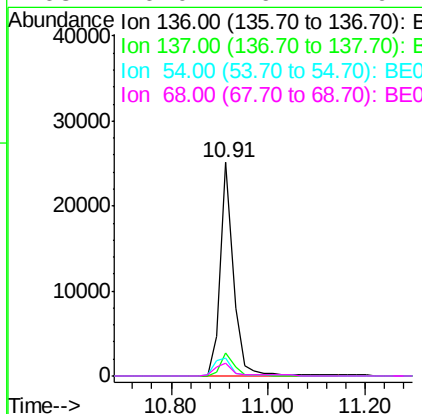
RT: 10.91 min Scan# 706

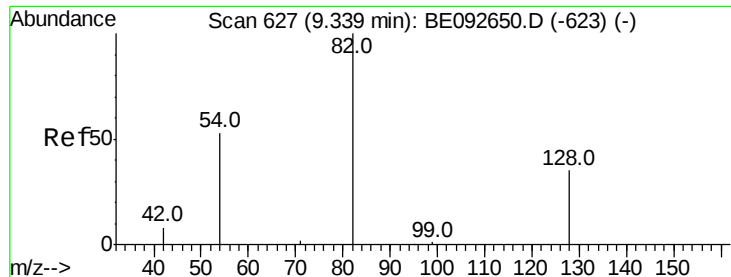
Delta R.T. -0.00 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:	136	Resp:	46771
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	8.4	9.6	14.4#
68	6.0	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 1.54 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

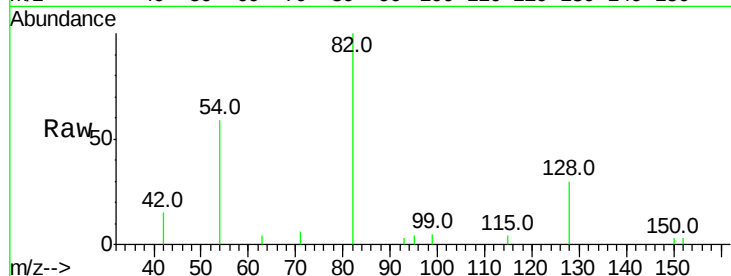
ClientSampled :

0050DL

Tot Ion:	82	Resp:	4678
Ion Ratio	Lower	Upper	
82	100		
128	29.7	39.0	58.4#
54	58.7	44.8	67.2

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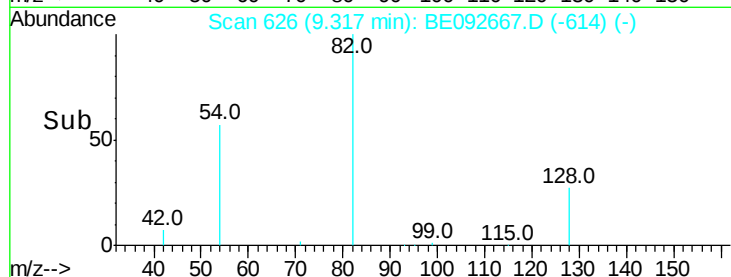


Abundance Ion 82.00 (81.70 to 82.70): BE092650.D (-623) (-)

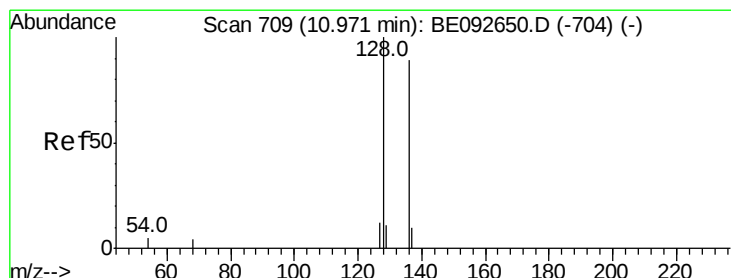
Ion 128.00 (127.70 to 128.70): BE092650.D (-623) (-)

Ion 54.00 (53.70 to 54.70): BE092650.D (-623) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 5.54 ng

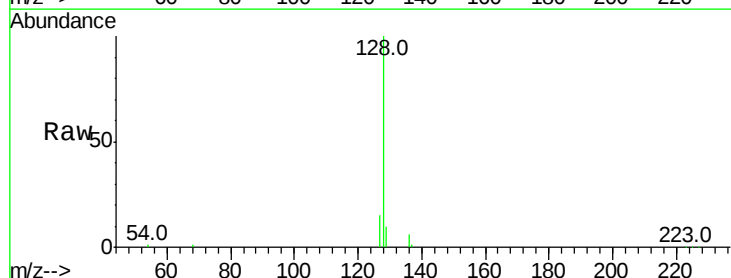
RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:	128	Resp:	54114
Ion Ratio	Lower	Upper	
128	100		
129	10.1	11.2	16.8#
127	14.7	11.6	17.4

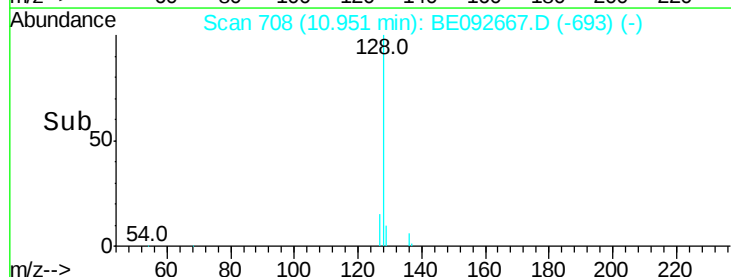


Abundance Ion 128.00 (127.70 to 128.70): BE092650.D (-704) (-)

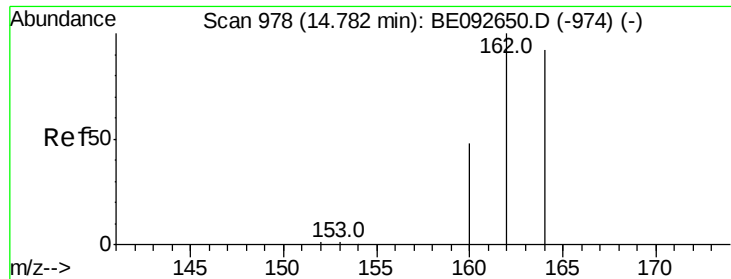
Ion 129.00 (128.70 to 129.70): BE092650.D (-704) (-)

Ion 127.00 (126.70 to 127.70): BE092650.D (-704) (-)

Time-->



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

ClientSampleId :

0050DL

Tot Ion:164 Resp: 32070

Ion Ratio Lower Upper

164 100

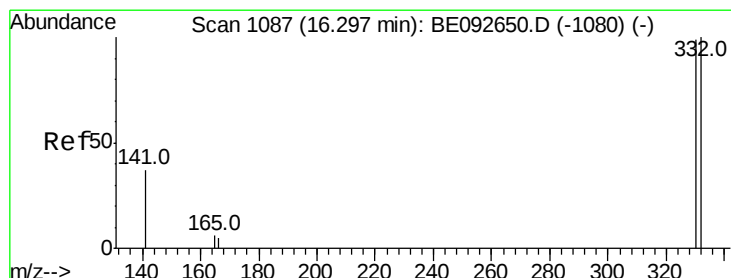
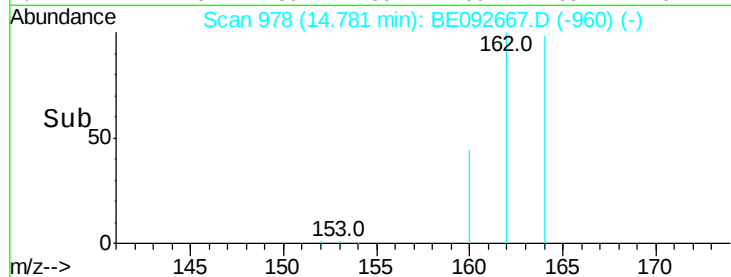
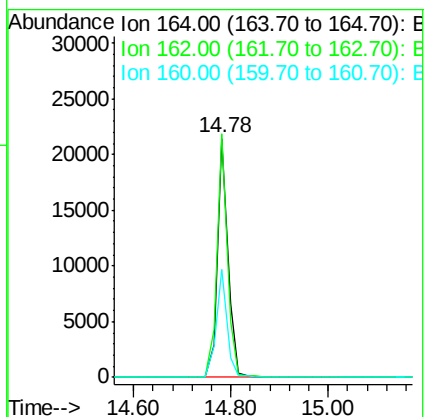
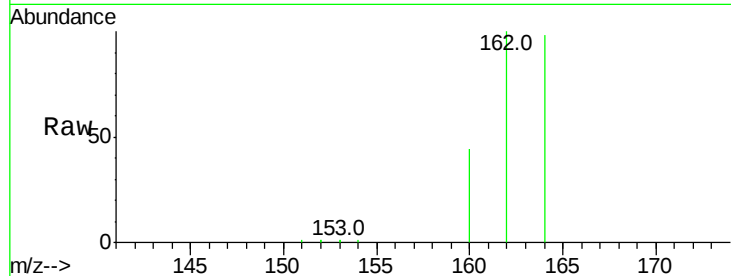
162 101.9 71.4 107.0

160 45.2 27.4 41.2#

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#13

2,4,6-Tribromophenol

Concen: 3.53 ng

RT: 16.27 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

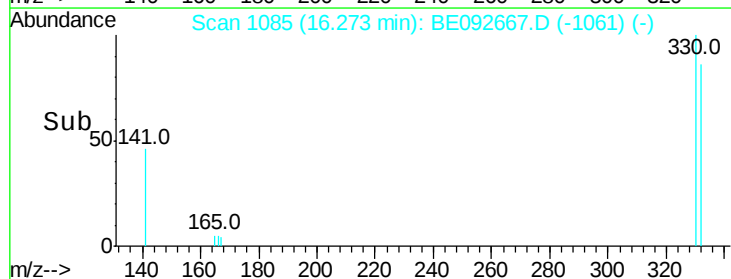
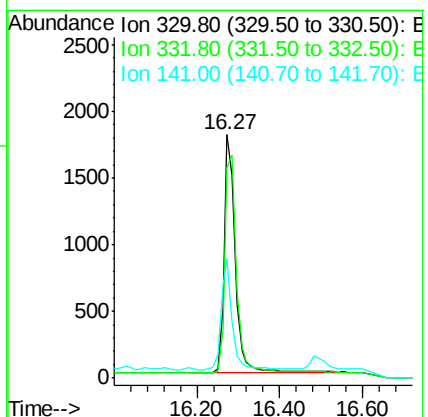
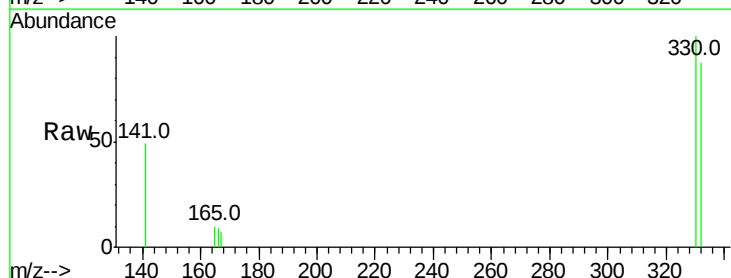
Tgt Ion:330 Resp: 3277

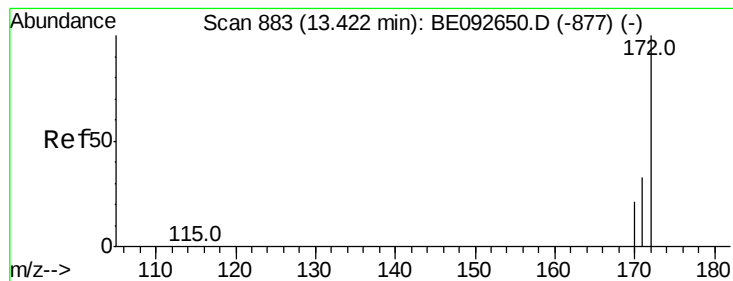
Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.0

141 46.8 31.0 46.6#





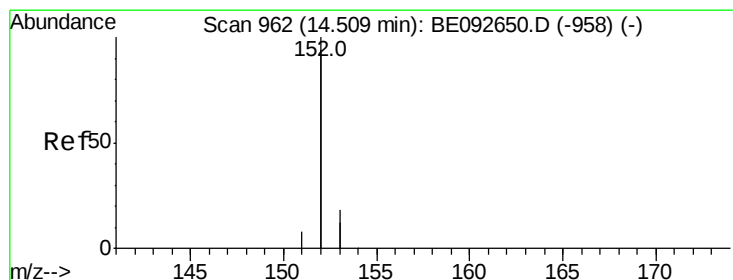
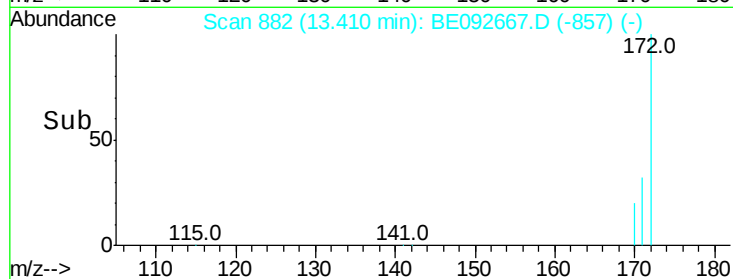
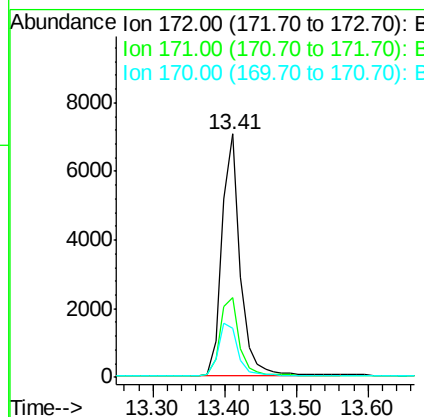
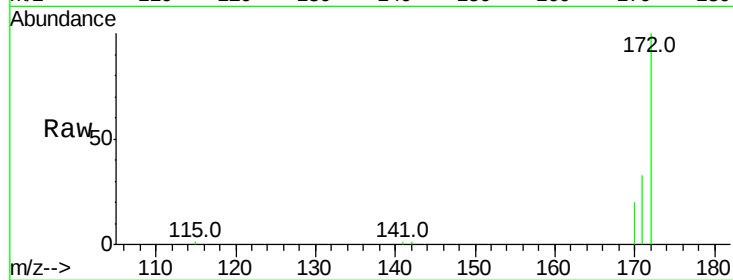
#14
2-Fluorobiphenyl
Concen: 1.58 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.01 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Instrument :
BNA_E
ClientSampleId :
0050DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.6	30.1	45.1
170	20.2	21.8	32.6

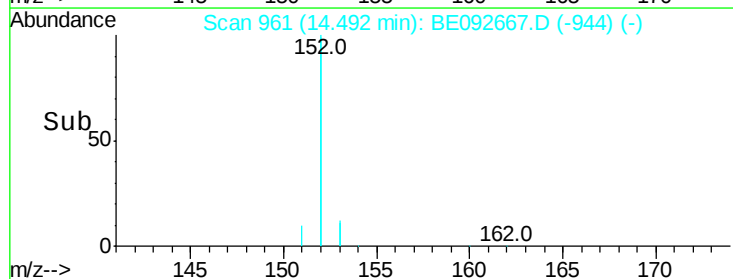
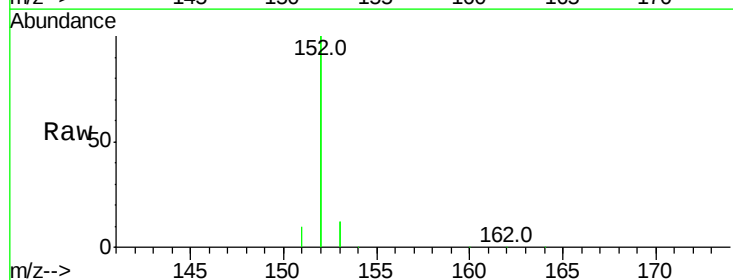
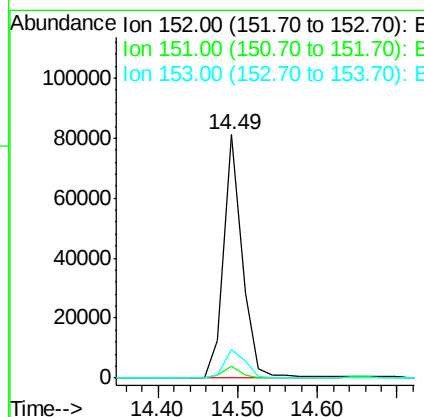
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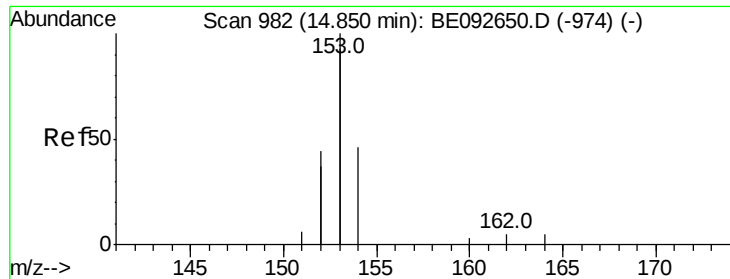
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#15
Acenaphthylene
Concen: 2.93 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6





#16

Acenaphthene

Concen: 4.29 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

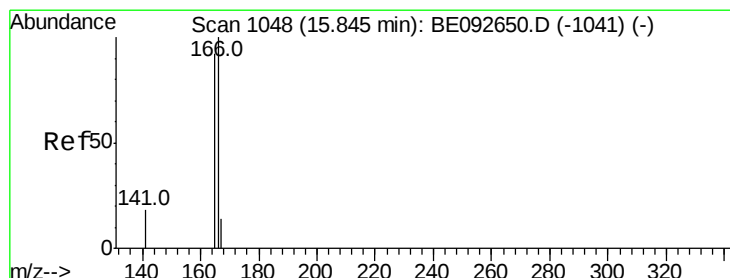
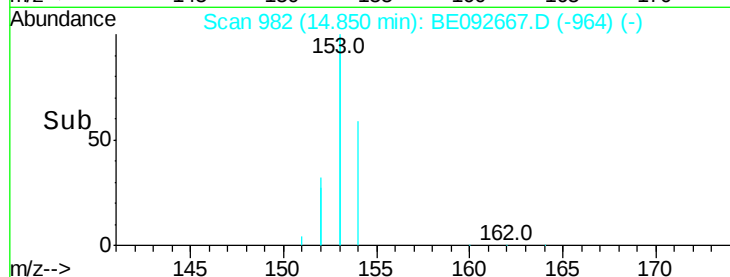
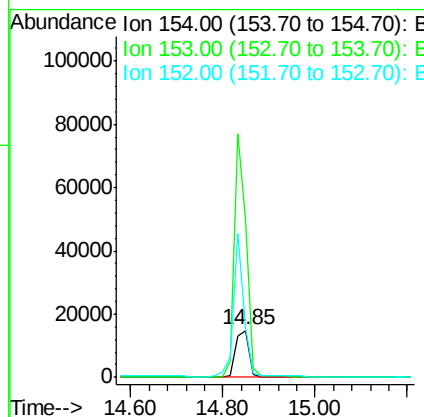
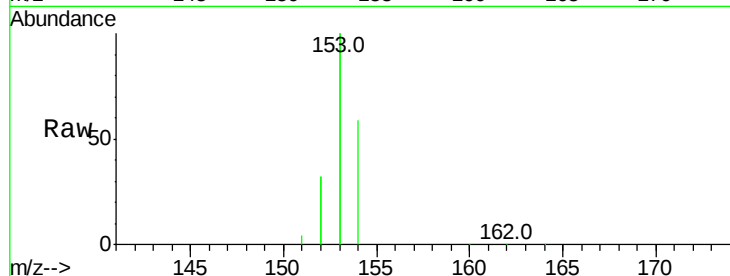
ClientSampled :

0050DL

Tot Ion:	154	Resp:	30428
Ion	Ratio	Lower	Upper
154	100		
153	455.3	350.8	526.2
152	233.2	171.1	256.7

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#17

Fluorene

Concen: 3.55 ng

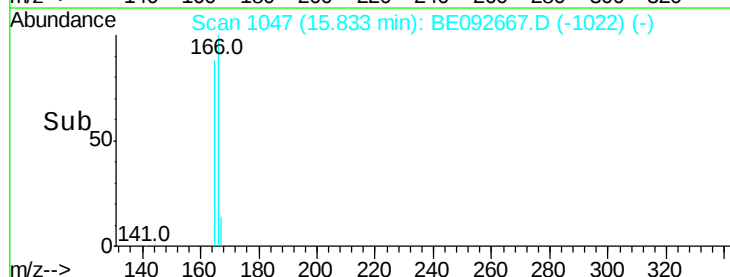
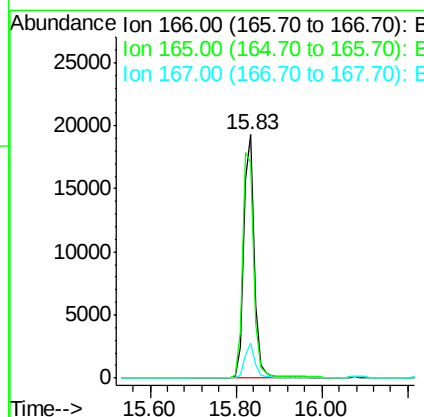
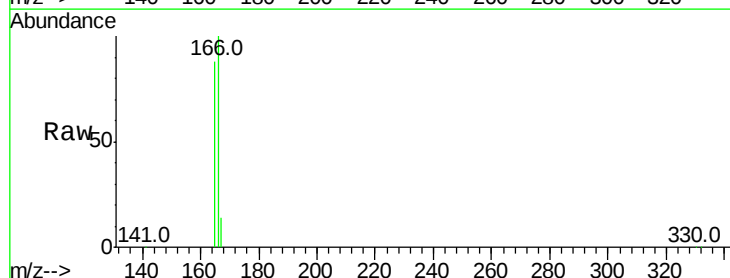
RT: 15.83 min Scan# 1047

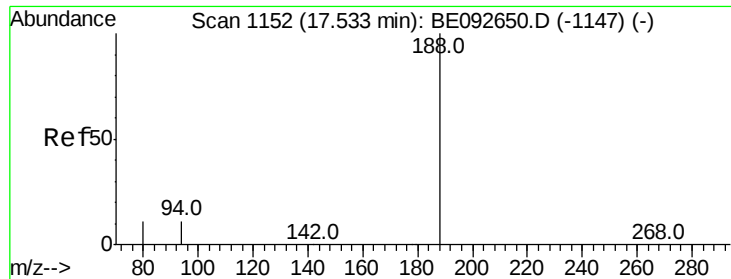
Delta R.T. -0.01 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:	166	Resp:	31559
Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.2	117.4
167	13.4	11.0	16.4





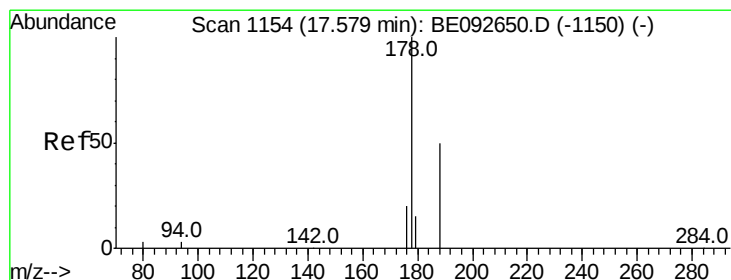
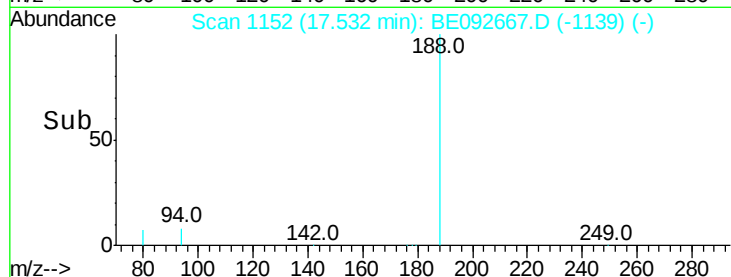
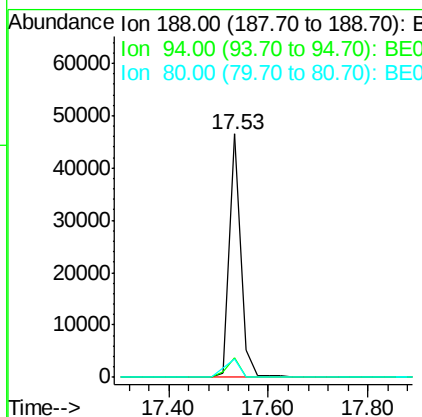
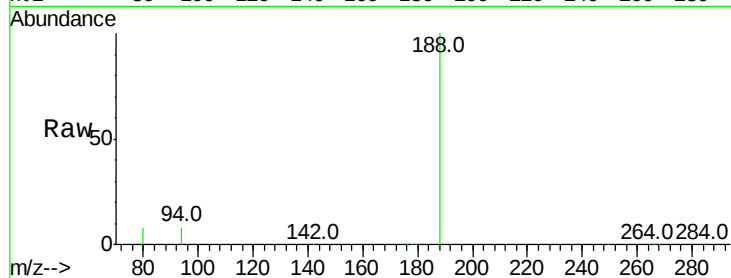
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Instrument :
BNA_E
ClientSampleId :
0050DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	73503		
94	8.2		3.2	4.8#
80	7.6		2.6	3.8#

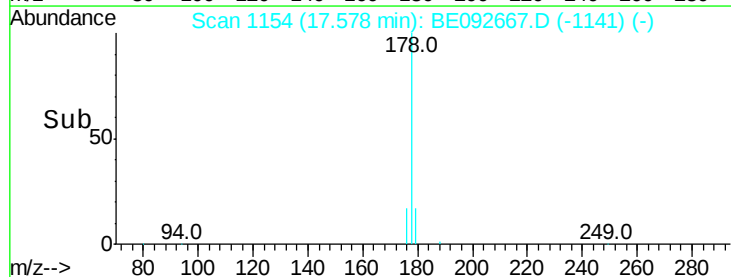
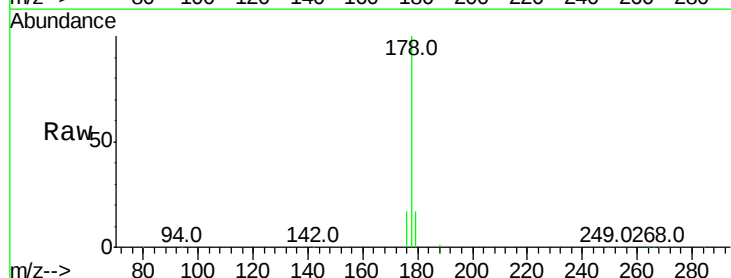
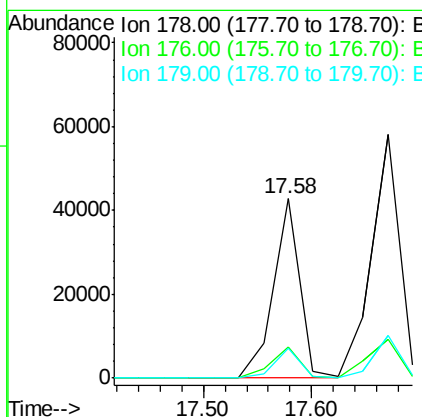
Manual Integrations
APPROVED

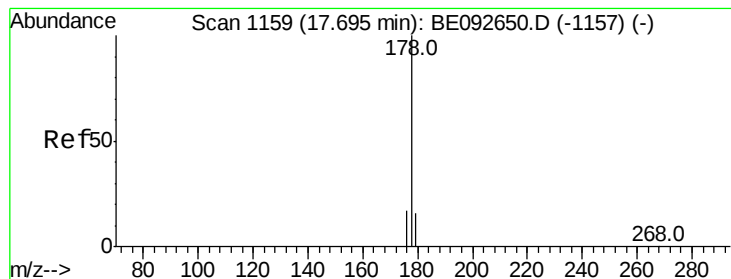
mohammad
1/20/2017 2:05:38 PM



#21
Phenanthrene
Concen: 4.49 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	72841		
176	18.7		15.8	23.8
179	16.2		16.0	24.0





#22

Anthracene

Concen: 7.10 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

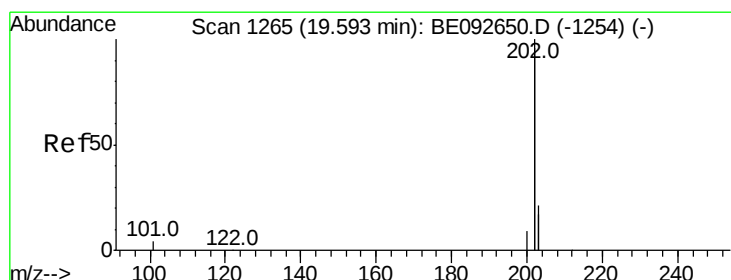
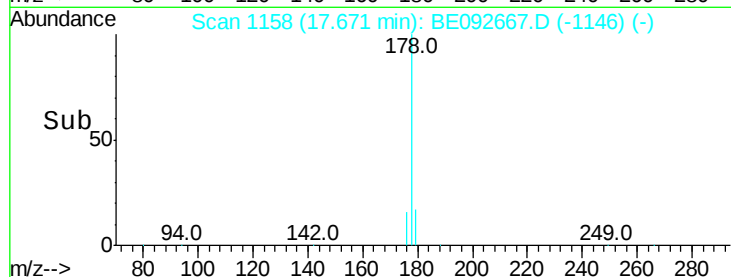
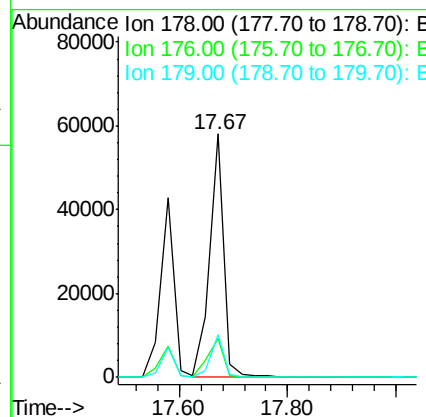
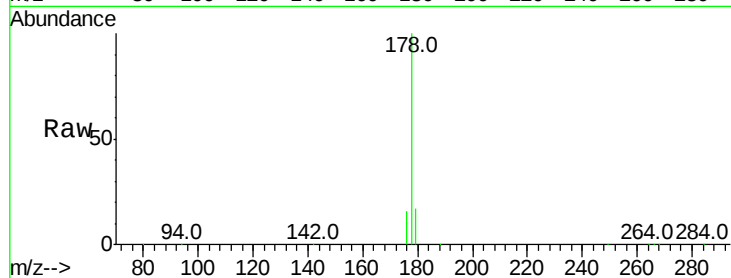
ClientSampleId :

0050DL

Tot Ion:	178	Resp:	106242
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.4
179	16.2	12.2	18.2

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#23

Fluoranthene

Concen: 6.83 ng

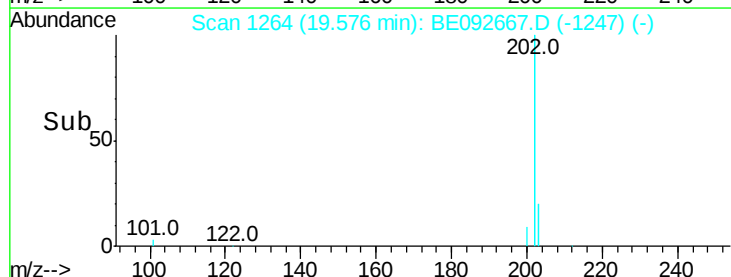
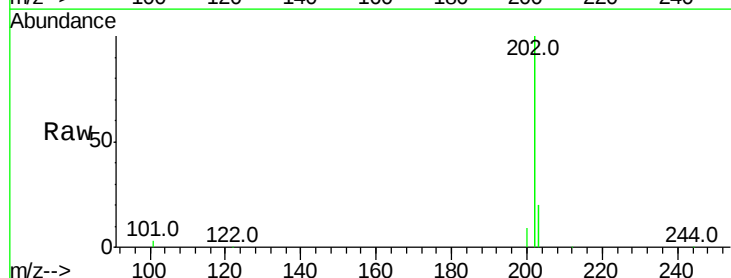
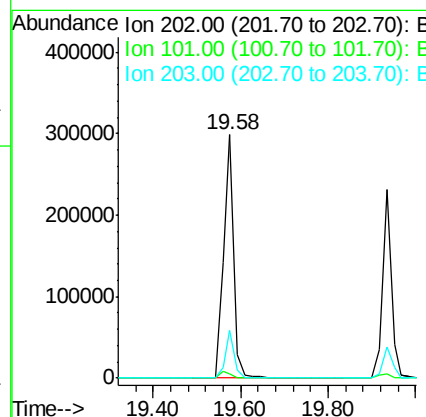
RT: 19.58 min Scan# 1264

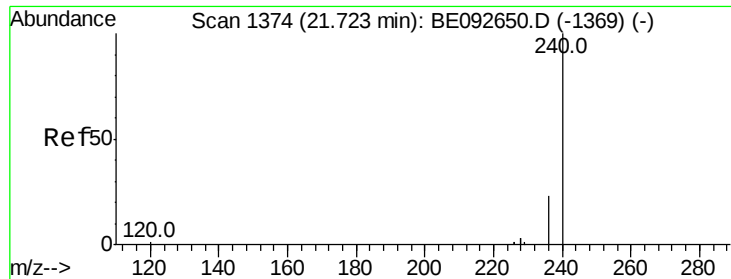
Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:	202	Resp:	491446
Ion Ratio	Lower	Upper	
202	100		
101	3.0	2.2	3.4
203	17.3	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

ClientSampleId :

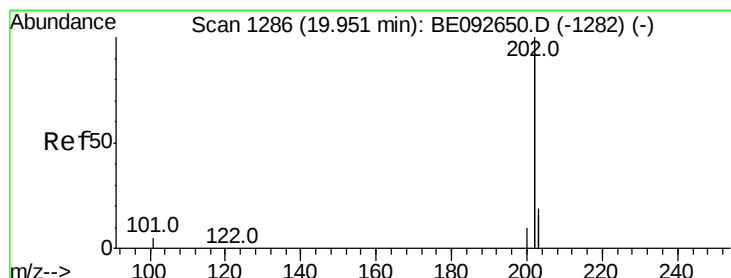
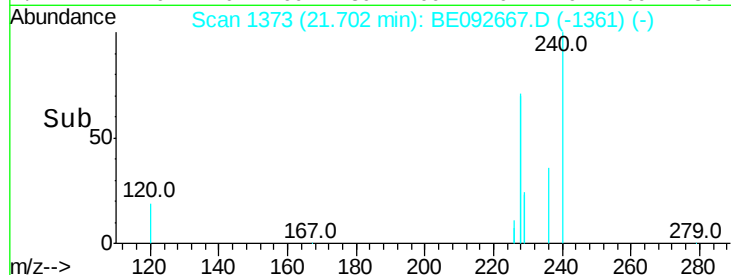
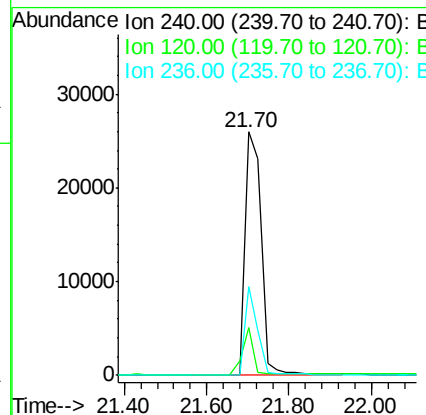
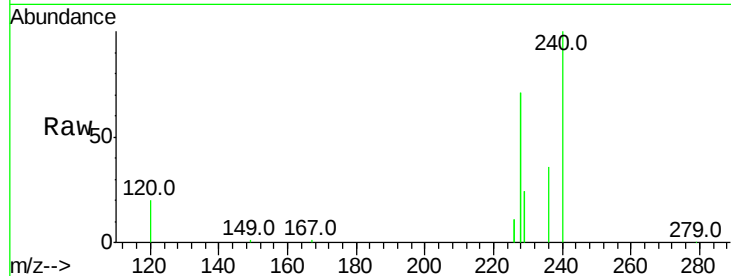
0050DL

Tot Ion:240 Resp: 70659

Ion	Ratio	Lower	Upper
240	100		
120	19.5	2.6	4.0#
236	36.2	24.6	37.0

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#25

Pyrene

Concen: 4.63 ng

RT: 19.93 min Scan# 1285

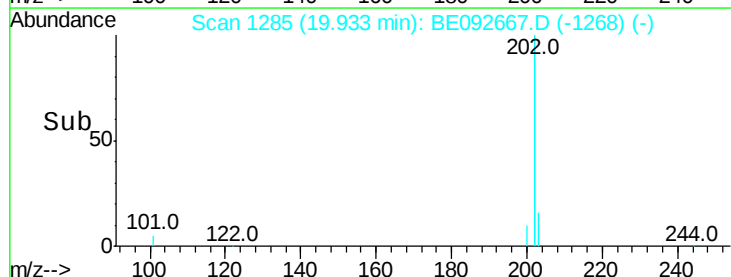
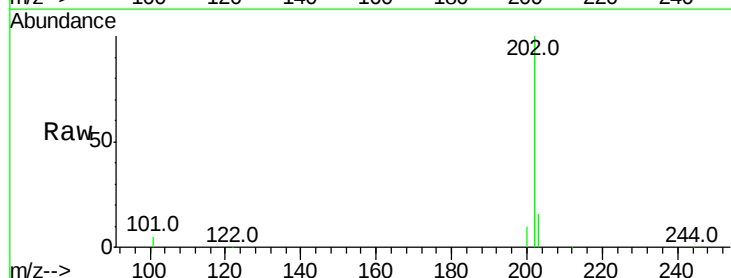
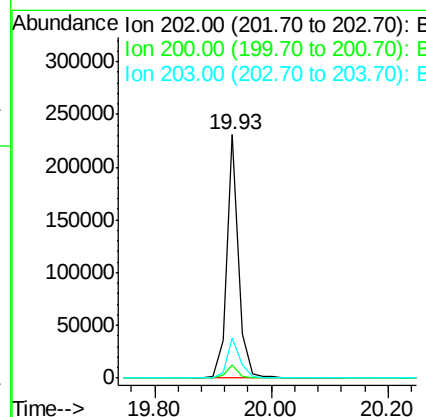
Delta R.T. -0.02 min

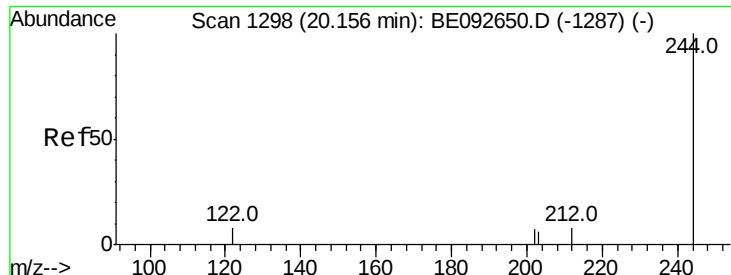
Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:202 Resp: 322583

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.1	13.9	20.9





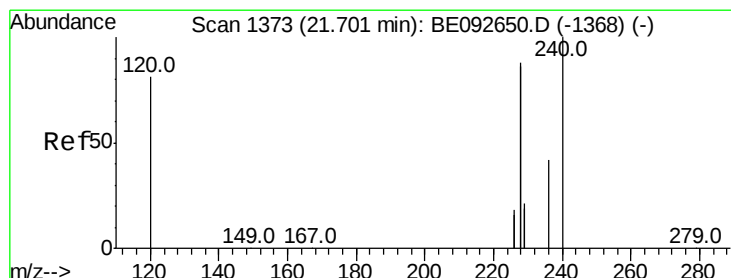
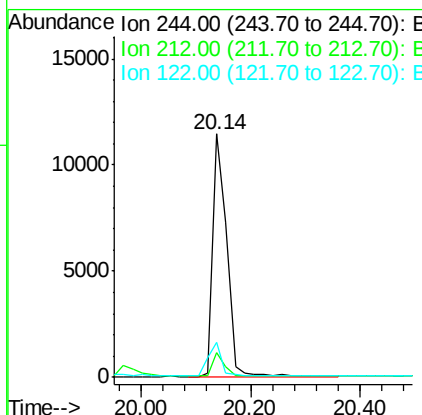
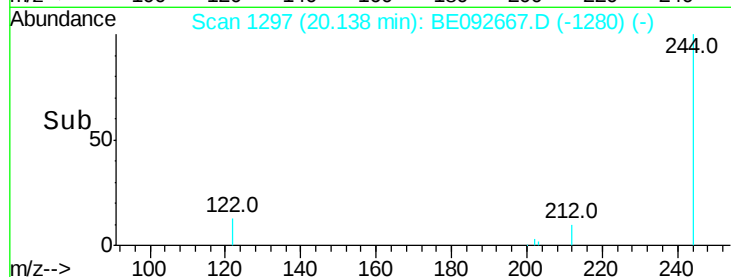
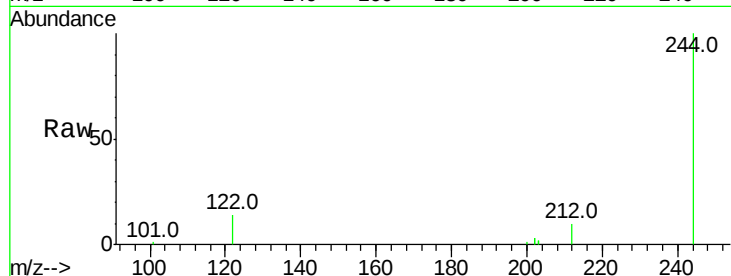
#26
 Terphenyl-d14
 Concen: 2.03 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092667.D
 Acq: 19 Jan 2017 21:21

Instrument :
 BNA_E
 ClientSampleId :
 0050DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.2	6.7	10.1#
122	14.2	3.6	5.4#

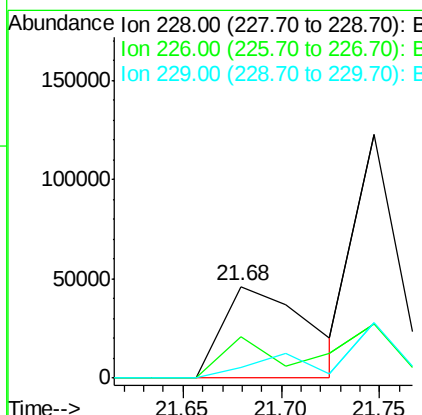
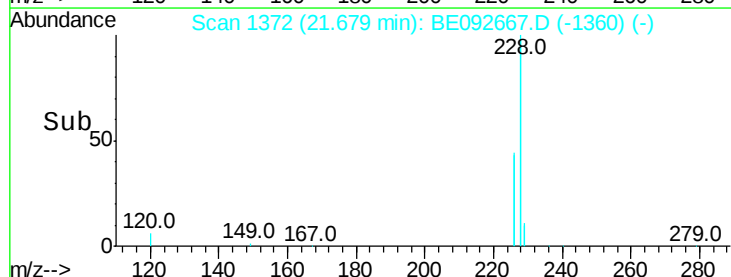
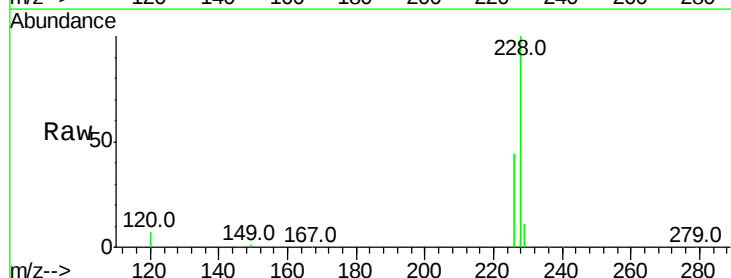
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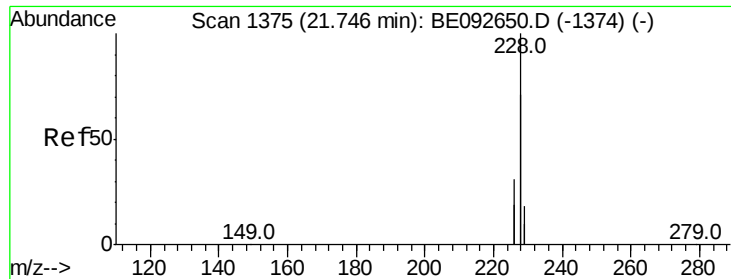
mohammad
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#27
 Benzo(a)anthracene
 Concen: 2.02 ng m
 RT: 21.68 min Scan# 1372
 Delta R.T. -0.02 min
 Lab File: BE092667.D
 Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.5	23.6	35.4#
229	11.0	13.3	19.9#





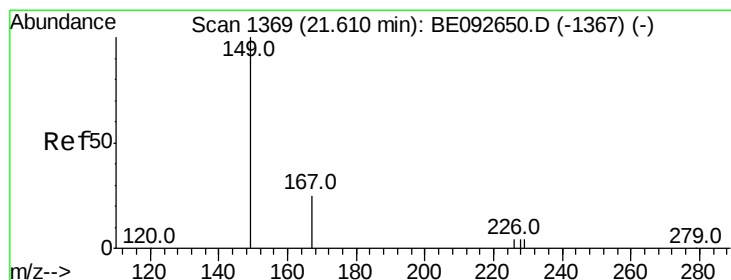
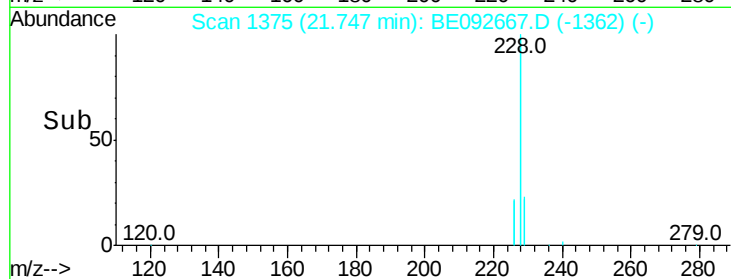
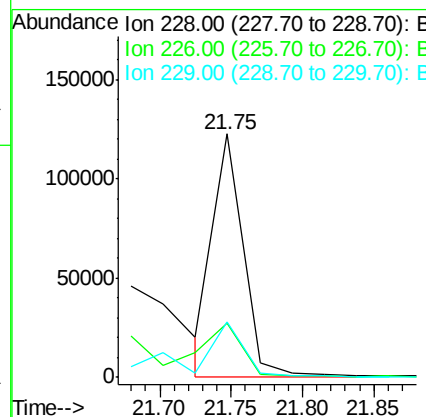
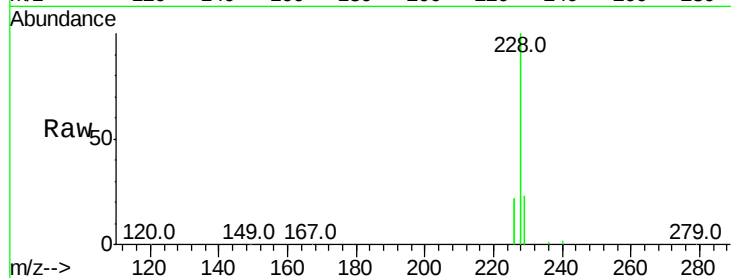
#28
 Chrysene
 Concen: 2.34 ng/ml
 RT: 21.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE092667.D
 Acq: 19 Jan 2017 21:21

Instrument :
 BNA_E
 ClientSampleId :
 0050DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	22.0	36.3	54.5#
229	22.7	10.6	16.0#

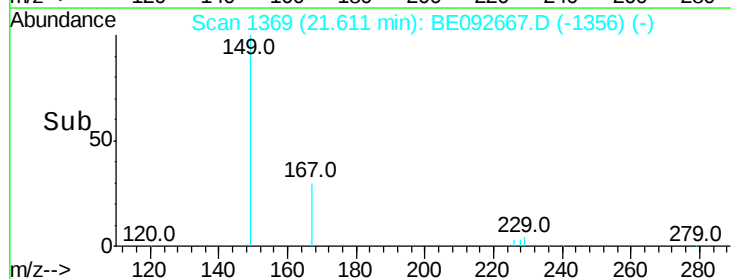
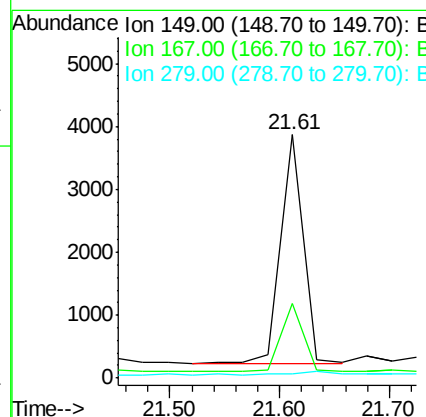
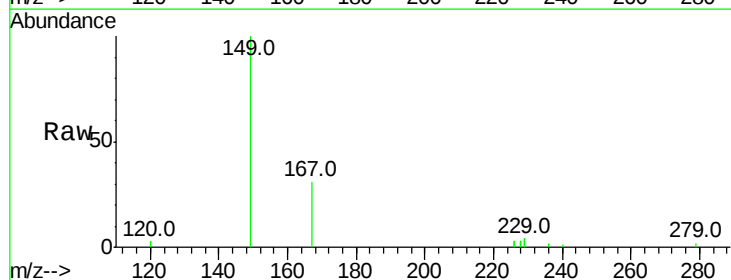
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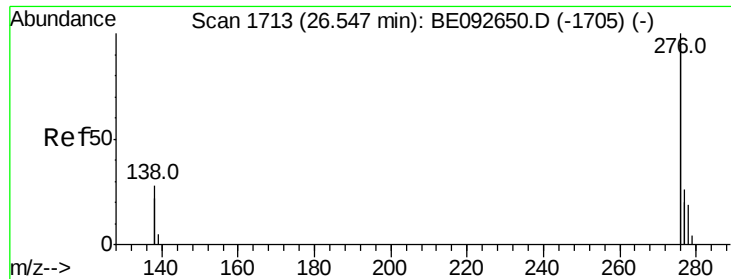
mohammad
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#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.58 ng/ml
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092667.D
 Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	16.0	24.0#
279	0.0	16.0	24.0#





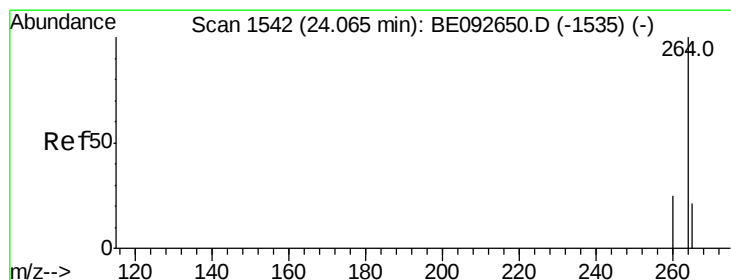
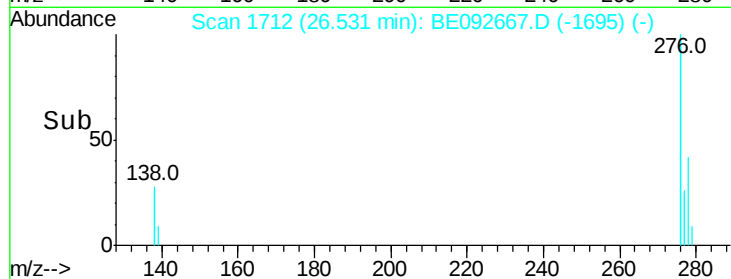
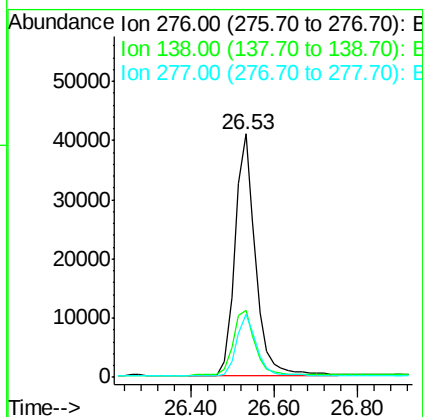
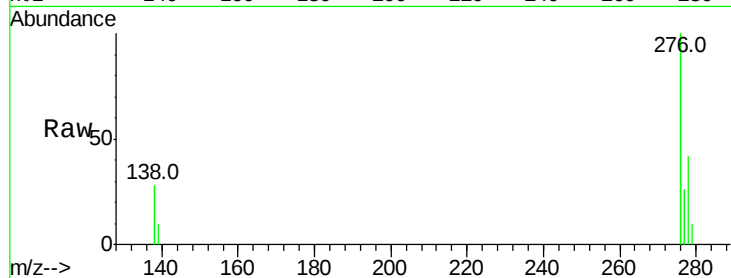
#30
Indeno(1,2,3-cd)pyrene
Concen: 1.66 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Instrument :
BNA_E
ClientSampled :
0050DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	140820		
138	29.1		20.3	30.5
277	25.1		19.7	29.5

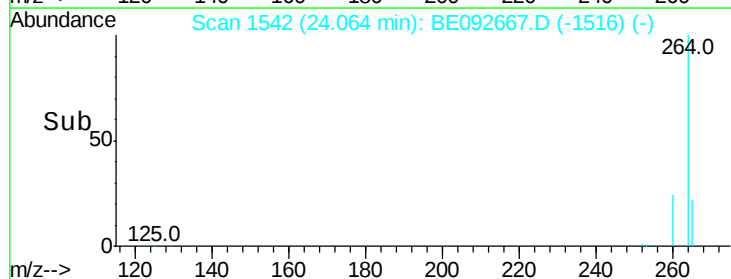
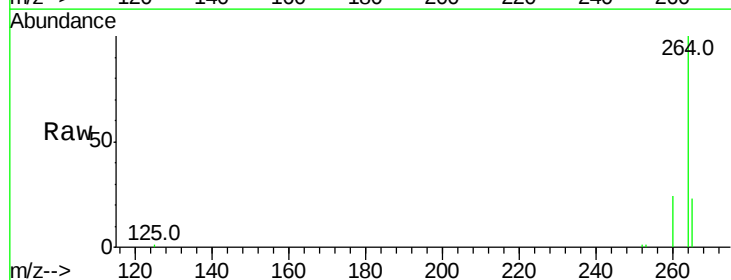
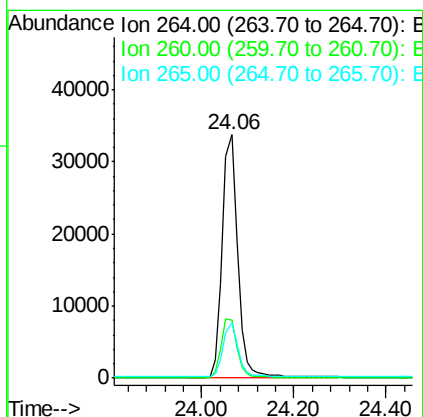
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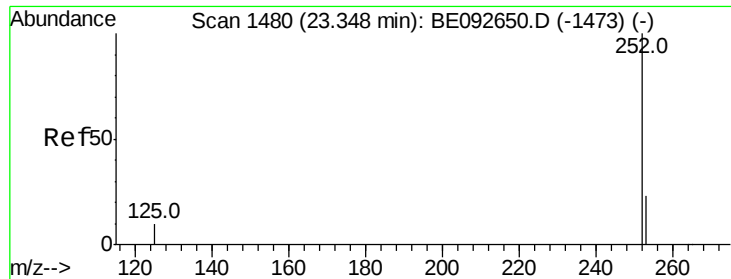
mohammad
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	78147		
260	23.9		20.1	30.1
265	22.6		17.9	26.9





#32

Benzo(b)fluoranthene

Concen: 4.15 ng m

RT: 23.34 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

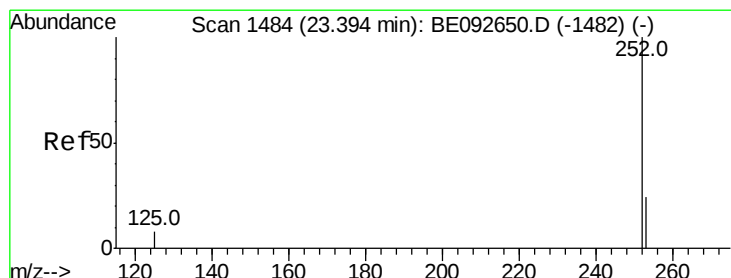
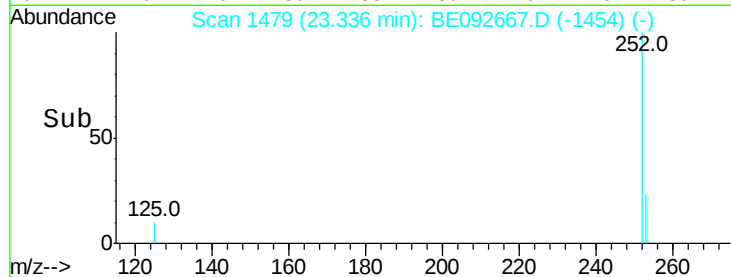
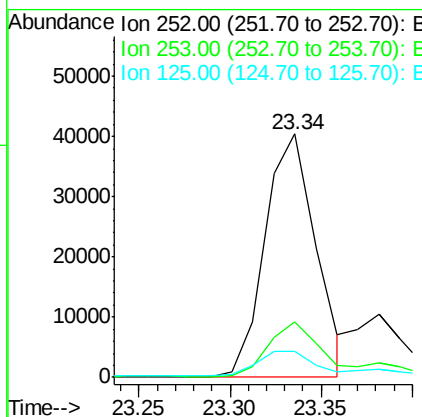
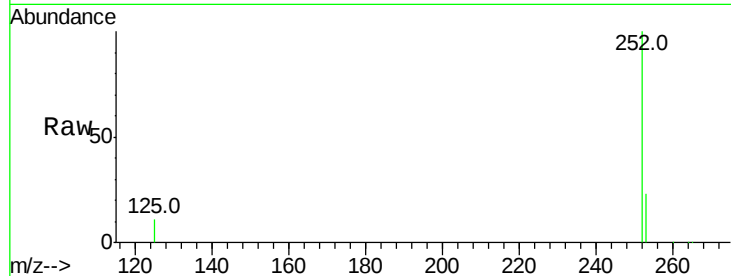
ClientSampled :

0050DL

Tot Ion:	252	Resp:	78376
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.7	28.1
125	10.6	10.5	15.7

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#33

Benzo(k)fluoranthene

Concen: 1.17 ng m

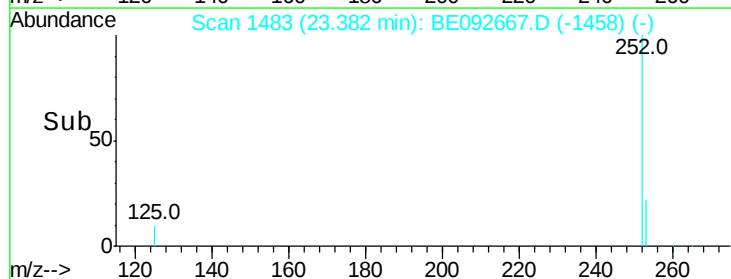
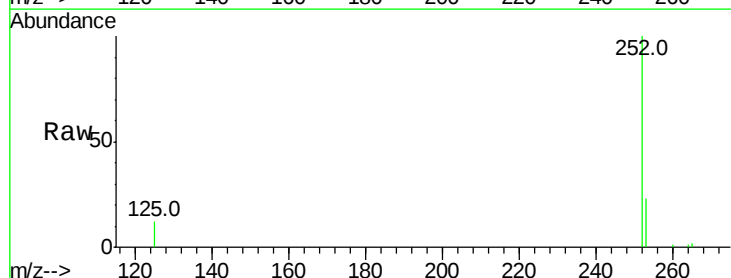
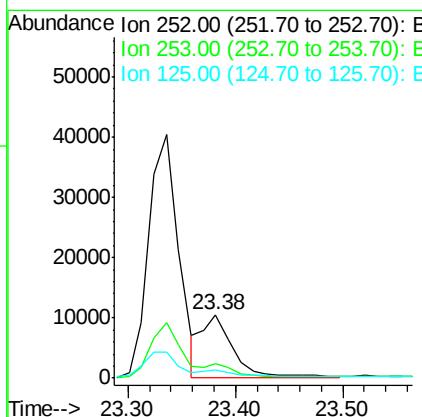
RT: 23.38 min Scan# 1483

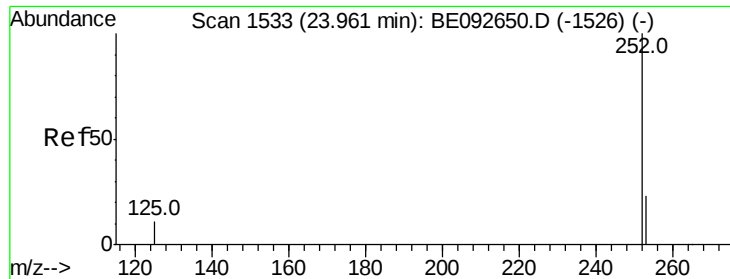
Delta R.T. -0.01 min

Lab File: BE092667.D

Acq: 19 Jan 2017 21:21

Tgt Ion:	252	Resp:	22264
Ion Ratio	Lower	Upper	
252	100		
253	23.3	20.3	30.5
125	12.4	9.6	14.4





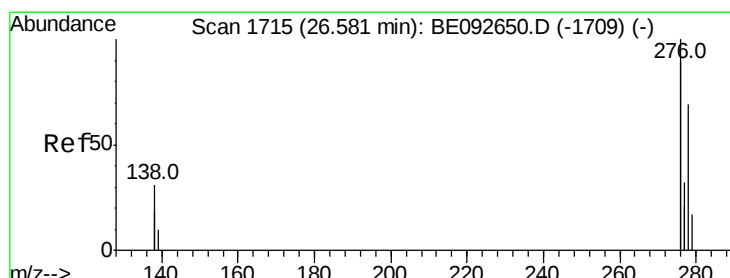
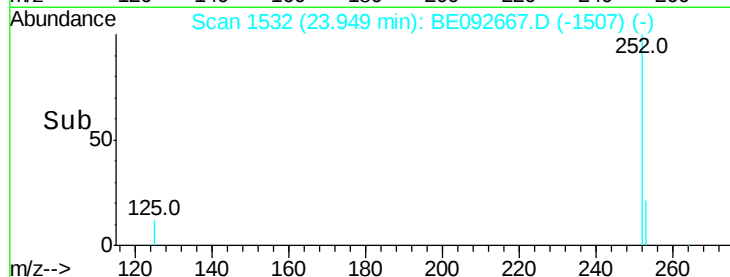
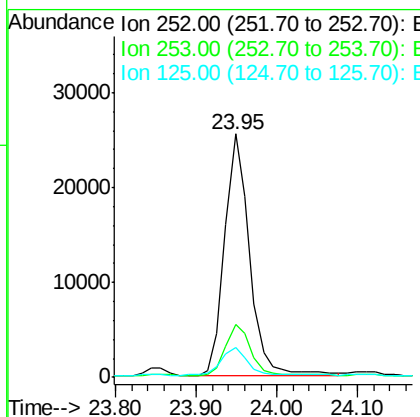
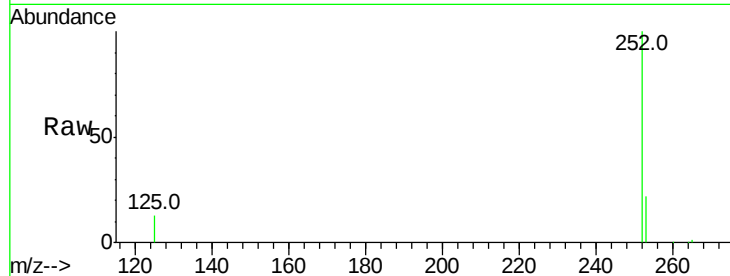
#34
Benzo(a)pyrene
Concen: 3.10 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Instrument :
BNA_E
ClientSampleId :
0050DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	12.5	11.8	17.8

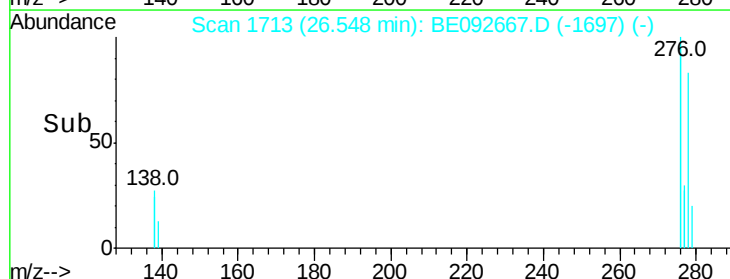
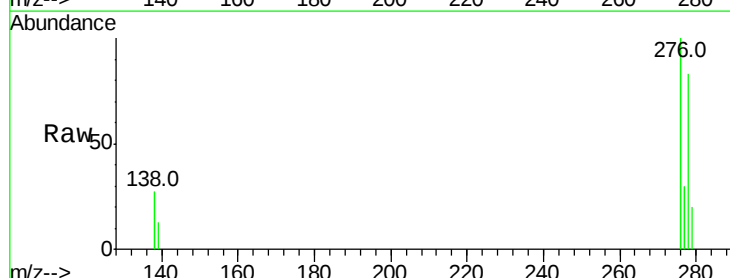
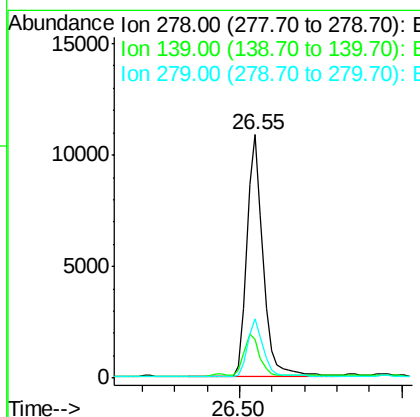
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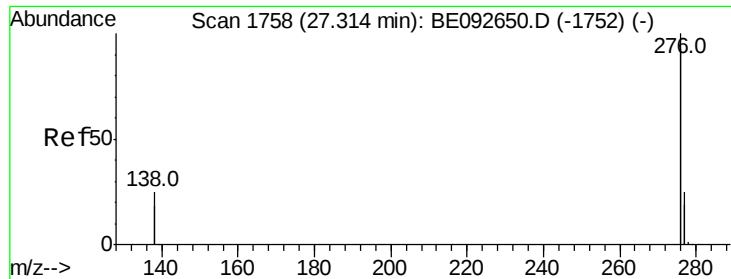
mohammad
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#35
Dibenzo(a,h)anthracene
Concen: 2.17 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092667.D
Acq: 19 Jan 2017 21:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.8	20.8
279	24.3	21.4	32.2





#36

Benzo(a,h,i)perylene

Concen: 4.33 ng

RT: 27.28 min Scan# 1756

Delta R.T. -0.03 min

Lab File: BE092667.D

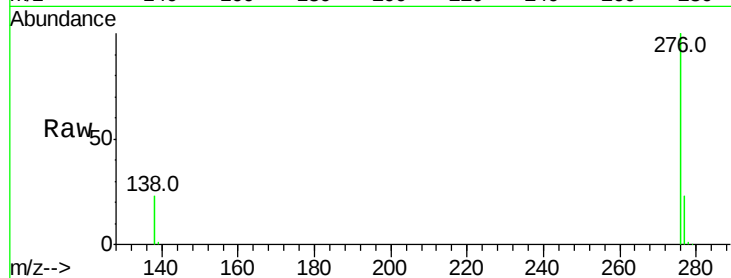
Acq: 19 Jan 2017 21:21

Instrument :

BNA_E

ClientSampleId :

0050DL



Tot Ion: 276 Resp: 317949

Ion Ratio Lower Upper

276 100

277 23.3 19.8 29.8

138 23.4 19.8 29.6

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