

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092015.D
 Acq On : 22 Jul 2016 20:46
 Operator : UM/SJ
 Sample : H4120-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-01

Manual Integrations

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 7/25/2016 6:46:13 PM

Quant Time: Jul 23 02:00:32 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	25011	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	124318	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	82624	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	191344	5.00	ng	0.00
31) Chrysene-d12	21.76	240	251663	5.00	ng	0.00
40) Perylene-d12	24.16	264	202105	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	15970	3.29	ng	0.00
5) Phenol-d6	7.35	99	15953	1.94	ng	-0.02
9) Nitrobenzene-d5	9.37	82	27059	3.62	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	18545	6.50	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	77211	3.55	ng	-0.01
34) Terphenyl-d14	20.20	244	133990	5.30	ng	-0.02
Target Compounds						
22) Fluorene	15.90	166	4517	0.18	ng	# 60
28) Phenanthrene	17.63	178	1759	0.04	ng	# 79
29) Anthracene	17.72	178	1786	0.04	ng	# 84
30) Fluoranthene	19.63	202	15967	0.08	ng	# 67
33) Pyrene	19.99	202	20017	0.11	ng	# 70
35) Benzo(a)anthracene	21.73	228	2319m	0.04	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	9826	0.27	ng	# 100

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

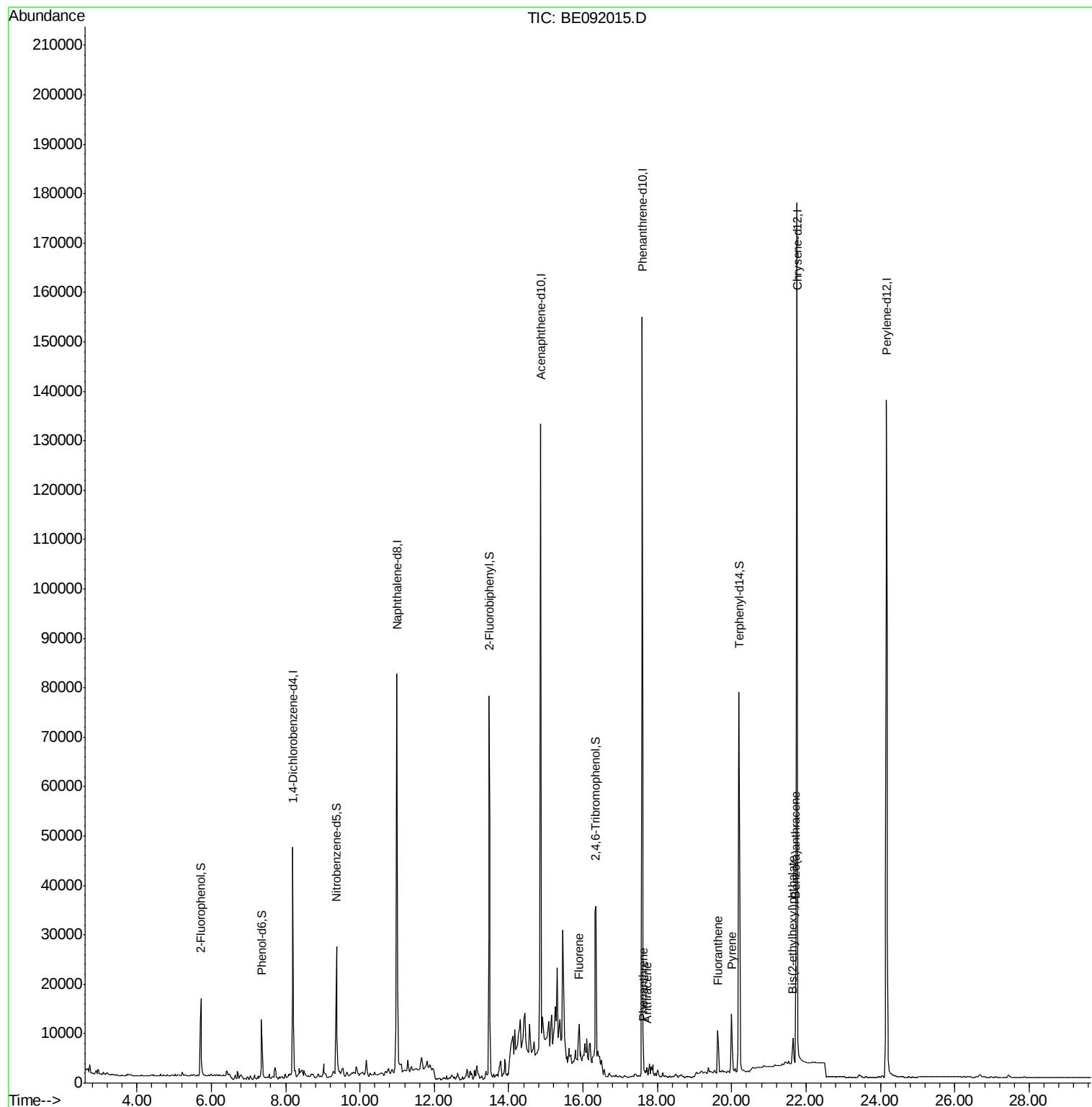
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092015.D
Acq On : 22 Jul 2016 20:46
Operator : UM/SJ
Sample : H4120-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

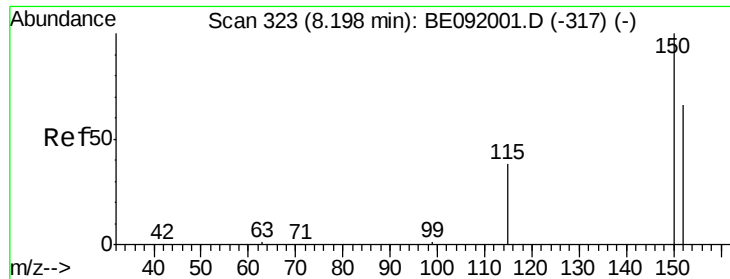
Instrument :
BNA_E
ClientSampleId :
DUP-01

Manual Integrations

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Quant Time: Jul 23 02:00:32 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092015.D

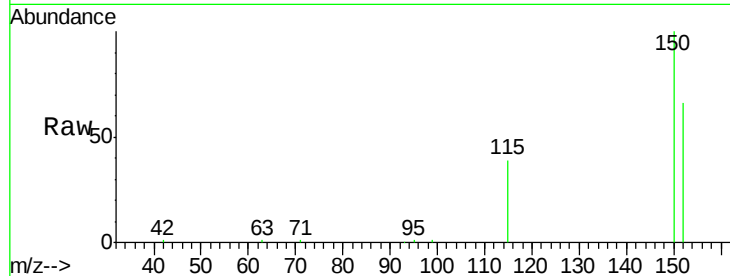
Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampleId :

DUP-01



Tgt Ion:152 Resp: 25011

Ion Ratio Lower Upper

152 100

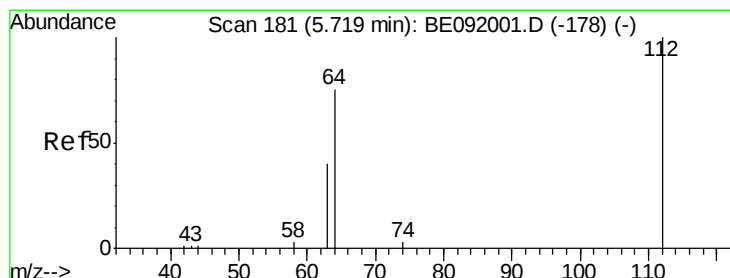
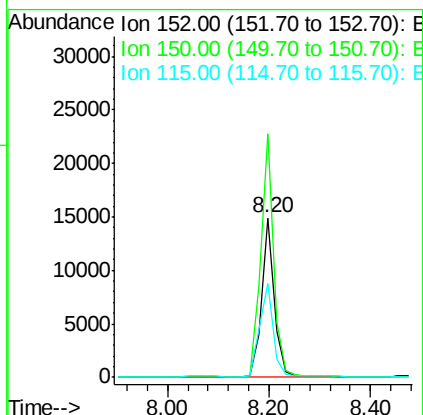
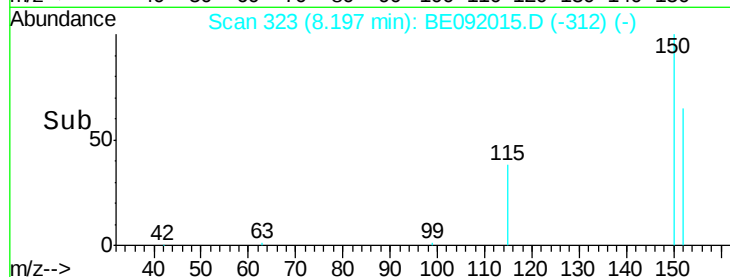
150 152.7 123.9 185.9

115 58.9 48.3 72.5

Manual Integrations

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#4

2-Fluorophenol

Concen: 3.29 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

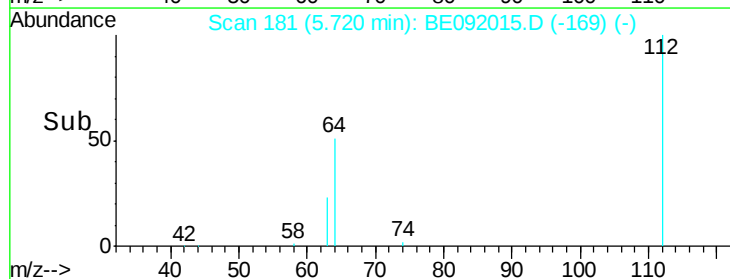
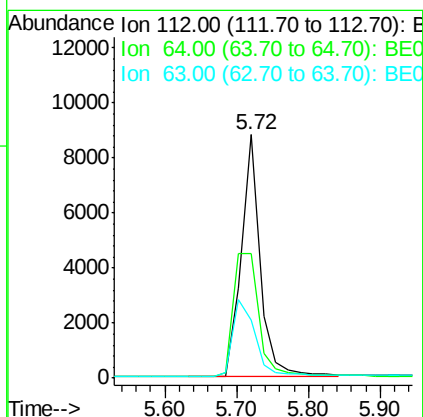
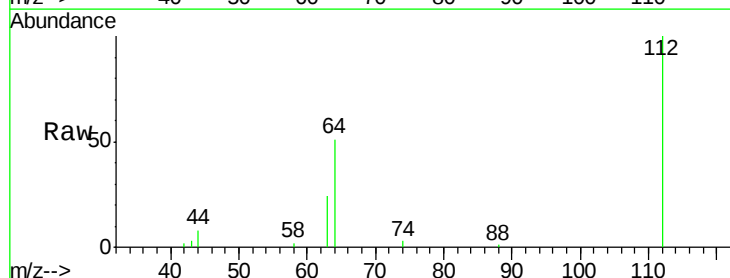
Tgt Ion:112 Resp: 15970

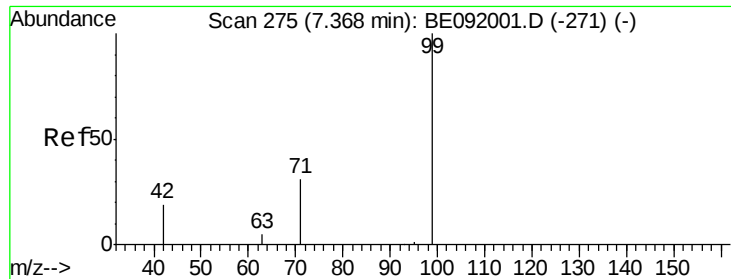
Ion Ratio Lower Upper

112 100

64 68.7 53.7 80.5

63 37.5 29.5 44.3





#5

Phenol-d6

Concen: 1.94 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampleId :

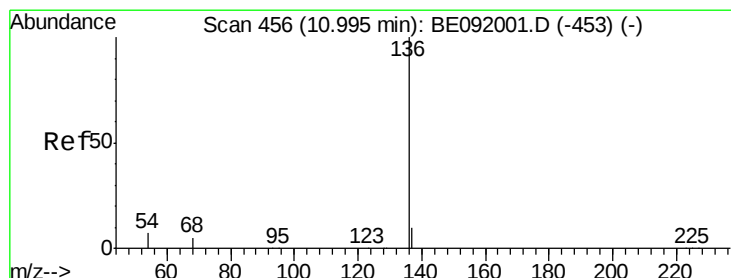
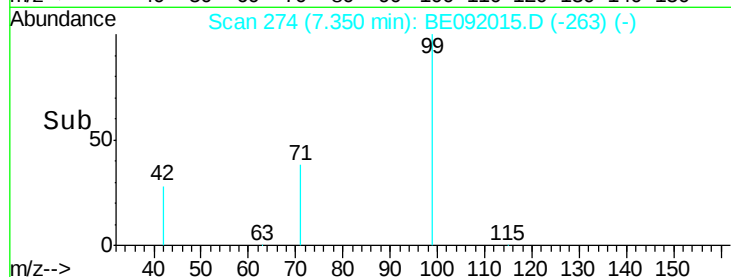
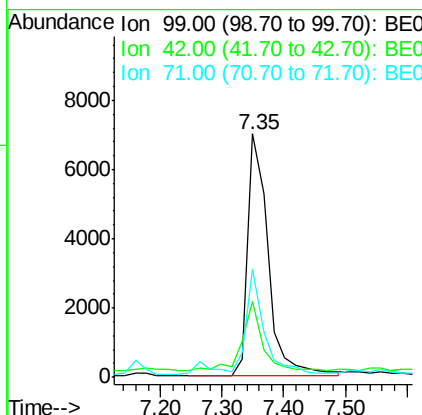
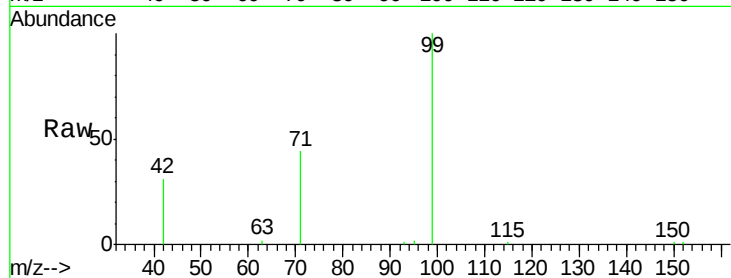
DUP-01

Tgt Ion:	99	Resp:	15953
Ion Ratio	Lower	Upper	
99	100		
42	28.1	19.6	29.4
71	37.4	28.1	42.1

Manual Integrations

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#8

Naphthalene-d8

Concen: 5.00 ng

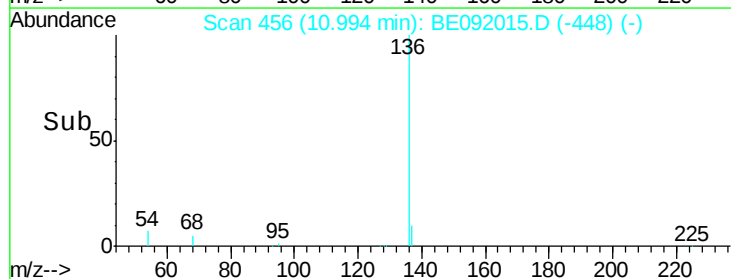
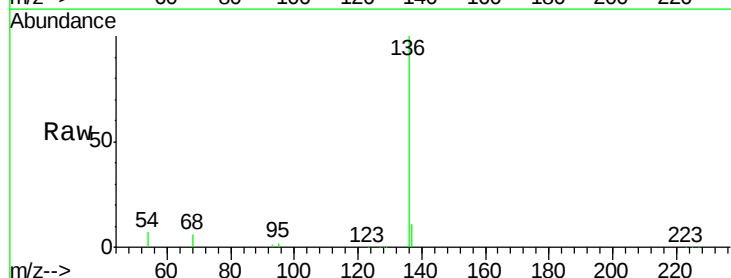
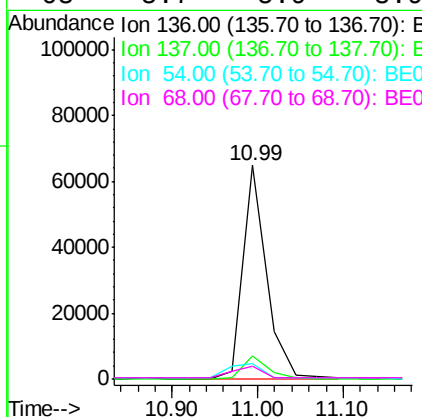
RT: 10.99 min Scan# 456

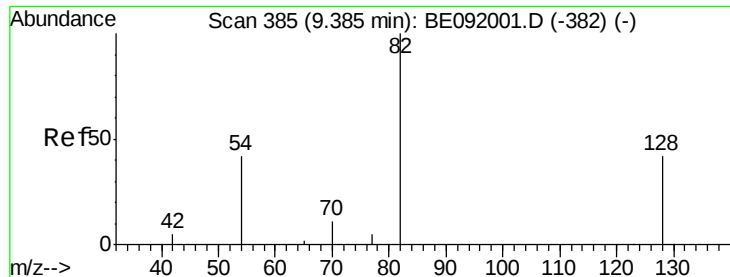
Delta R.T. -0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Tgt Ion:	136	Resp:	124318
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.3	12.5
54	7.2	8.2	12.4#
68	5.7	5.9	8.9#





#9

Nitrobenzene-d5

Concen: 3.62 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampled :

DUP-01

Tgt Ion: 82 Resp: 27059

Ion Ratio Lower Upper

82 100

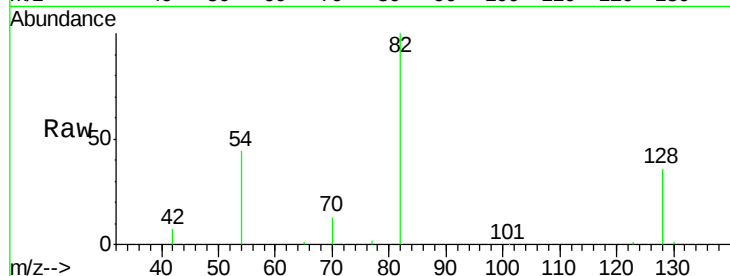
128 36.4 39.5 59.3#

54 44.0 30.3 45.5

Manual Integrations

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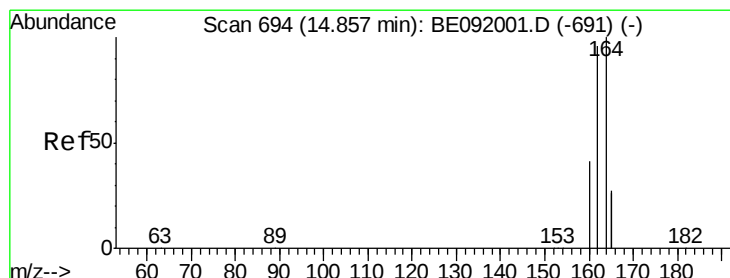
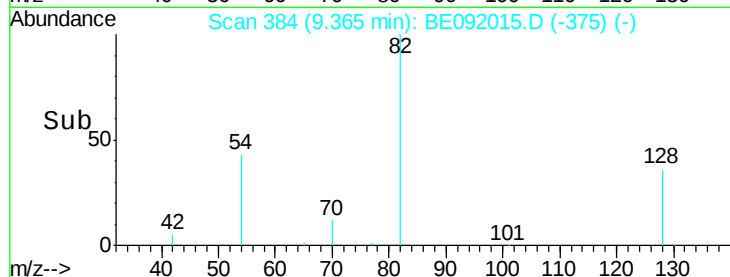
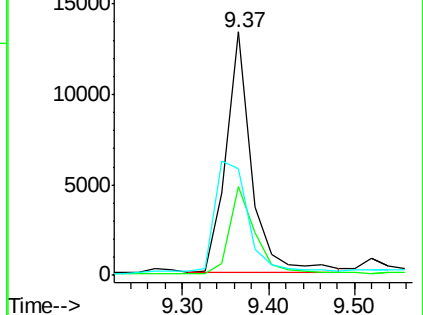
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Abundance Ion 82.00 (81.70 to 82.70): BE092001.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE092001.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE092001.D (-382) (-)



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

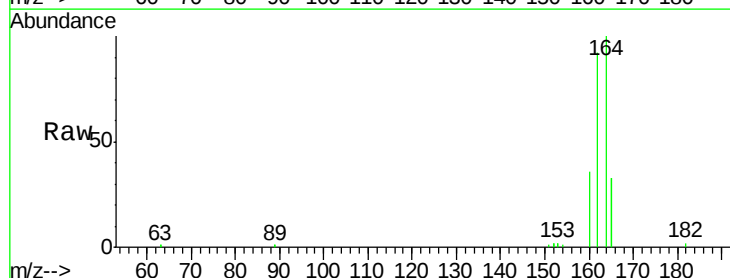
Tgt Ion: 164 Resp: 82624

Ion Ratio Lower Upper

164 100

162 91.8 71.8 107.8

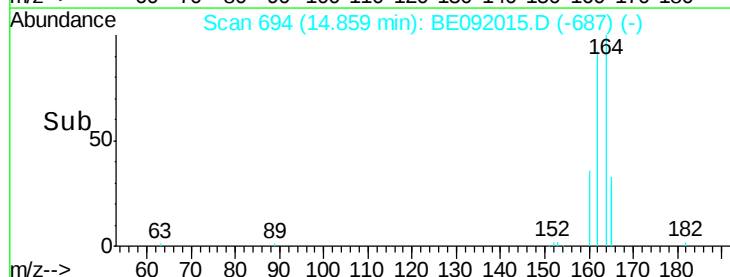
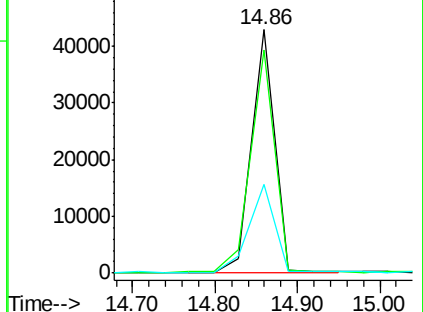
160 36.4 28.0 42.0

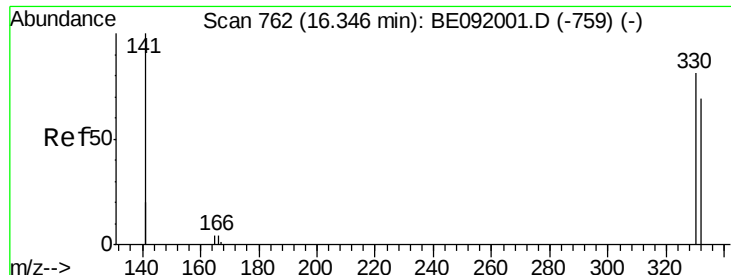


Abundance Ion 164.00 (163.70 to 164.70): BE092001.D (-691) (-)

Ion 162.00 (161.70 to 162.70): BE092001.D (-691) (-)

Ion 160.00 (159.70 to 160.70): BE092001.D (-691) (-)





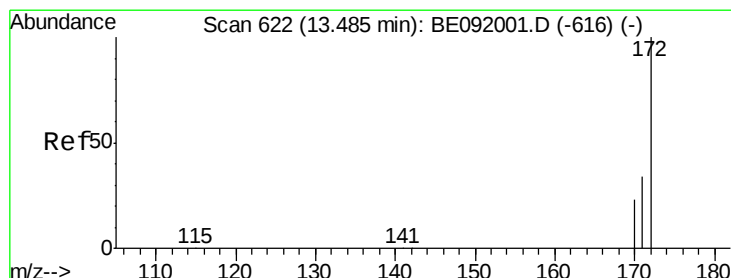
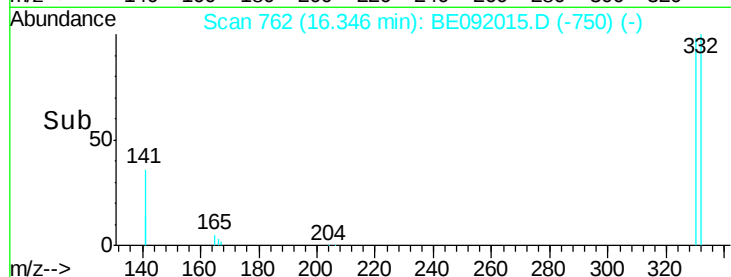
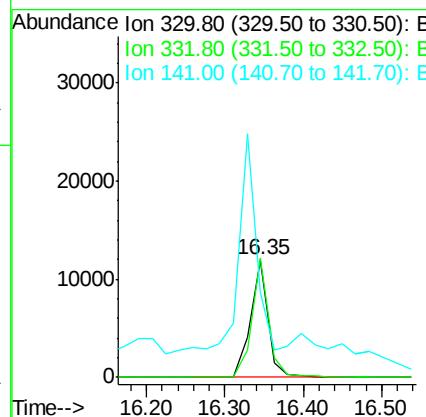
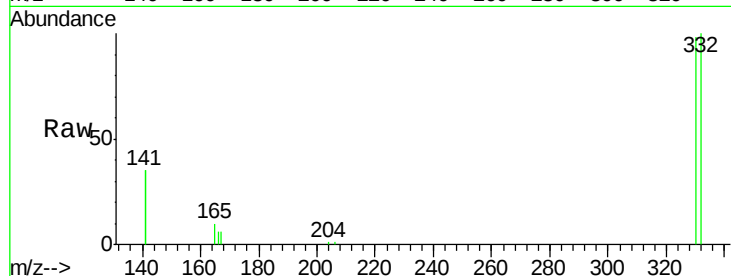
#16
 2,4,6-Tribromophenol
 Concen: 6.50 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE092015.D
 Acq: 22 Jul 2016 20:46

Instrument :
 BNA_E
 ClientSampleID :
 DUP-01

Tgt Ion:330 Resp: 18545
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 181.7 138.4 207.6

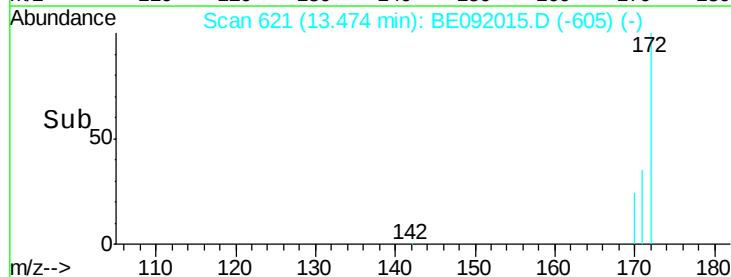
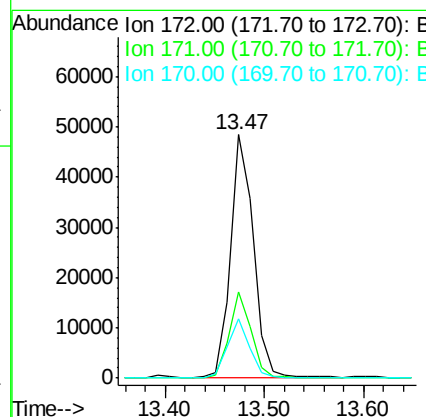
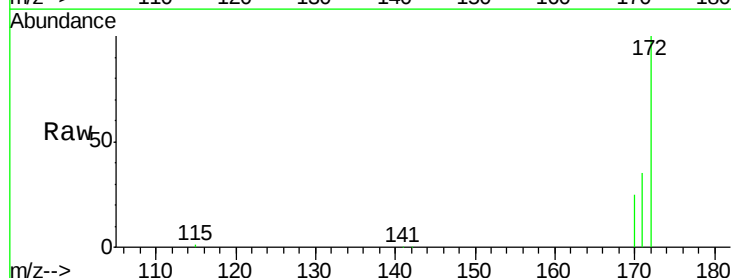
Manual Integrations

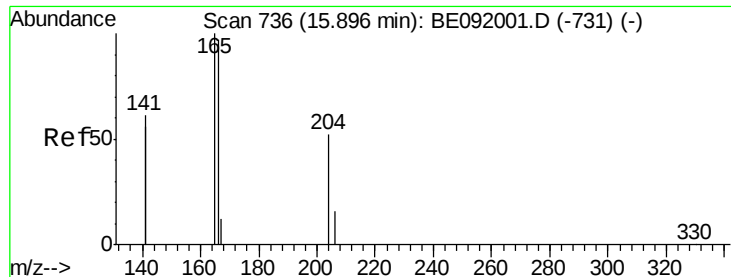
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#17
 2-Fluorobiphenyl
 Concen: 3.55 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092015.D
 Acq: 22 Jul 2016 20:46

Tgt Ion:172 Resp: 77211
 Ion Ratio Lower Upper
 172 100
 171 35.5 24.3 36.5
 170 24.5 14.9 22.3#





#22

Fluorene

Concen: 0.18 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampleId :

DUP-01

Tgt Ion:166 Resp: 4517

Ion Ratio Lower Upper

166 100

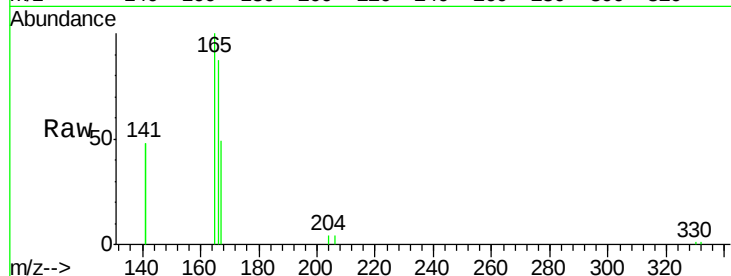
165 127.2 78.6 117.8#

167 61.2 10.8 16.2#

Manual Integrations

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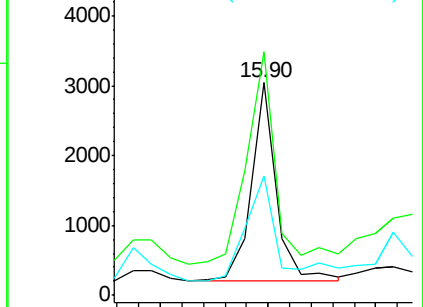
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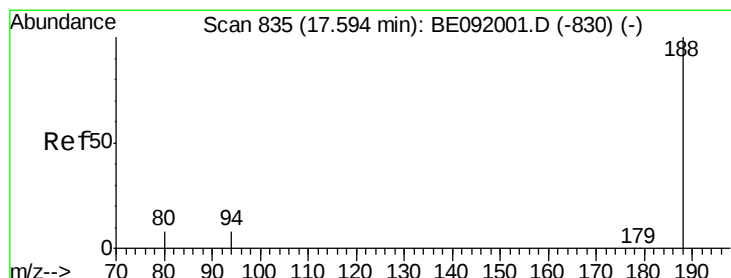
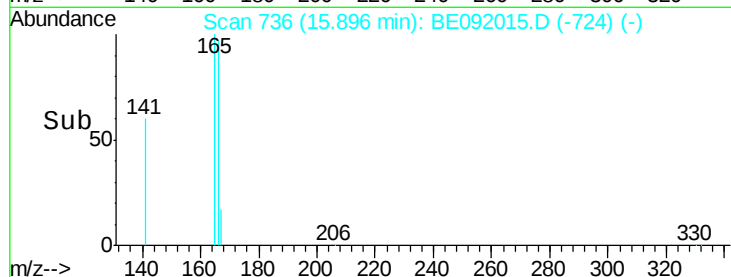
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

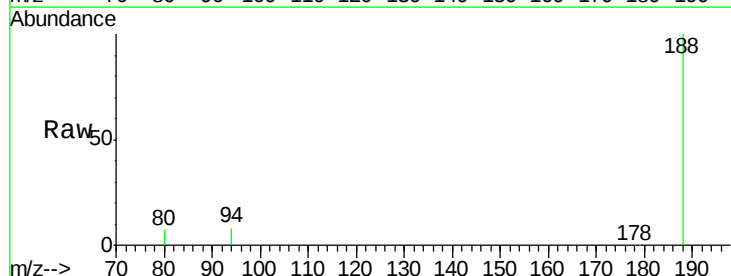
Tgt Ion:188 Resp: 191344

Ion Ratio Lower Upper

188 100

94 7.5 4.1 6.1#

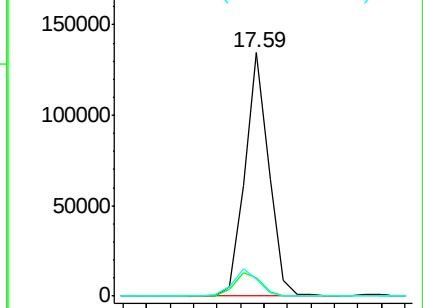
80 6.9 3.4 5.2#



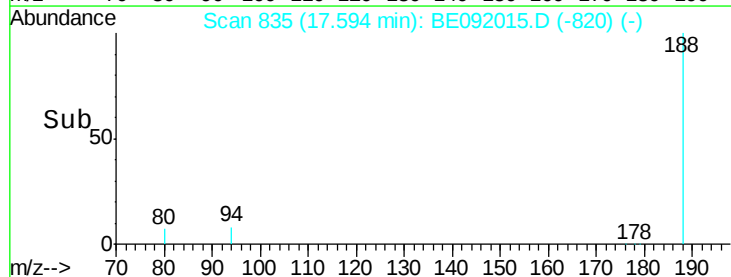
Abundance Ion 188.00 (187.70 to 188.70): E

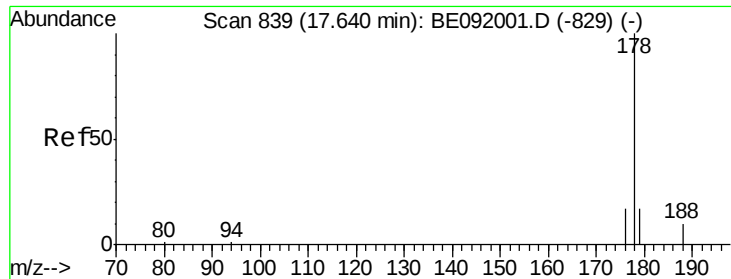
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





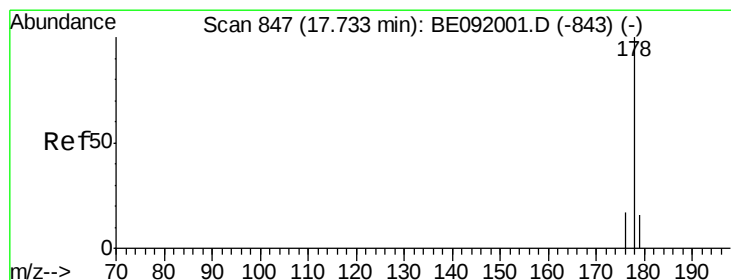
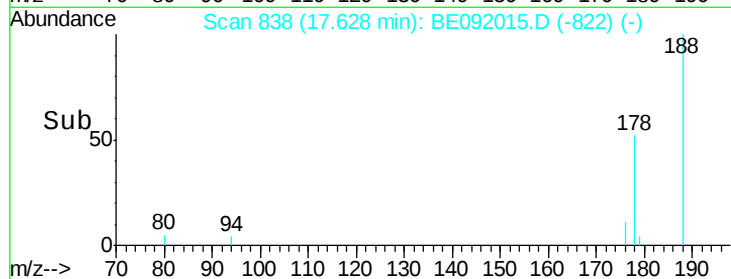
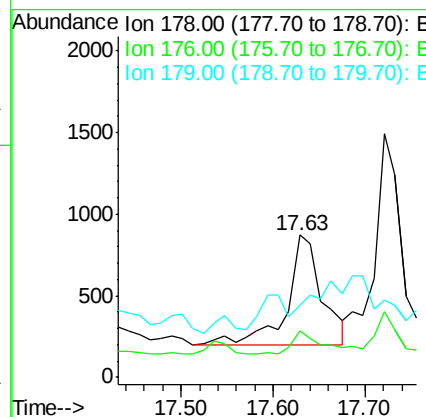
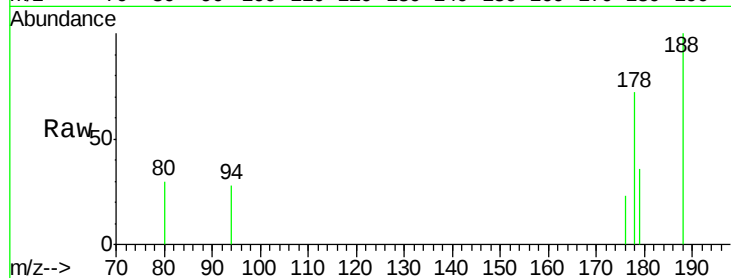
#28
Phenanthrene
Concen: 0.04 ng
RT: 17.63 min Scan# 838
Delta R.T. -0.01 min
Lab File: BE092015.D
Acq: 22 Jul 2016 20:46

Instrument :
BNA_E
ClientSampled :
DUP-01

Tgt Ion:178 Resp: 1759
Ion Ratio Lower Upper
178 100
176 16.1 15.4 23.2
179 0.0 12.9 19.3#

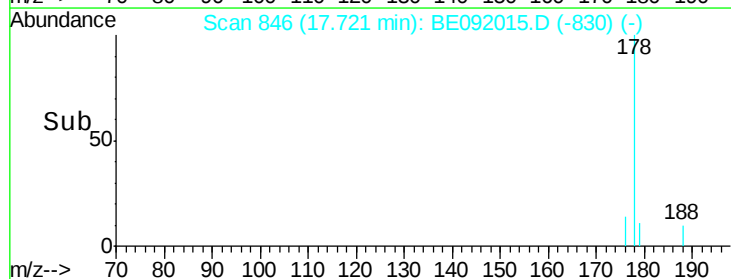
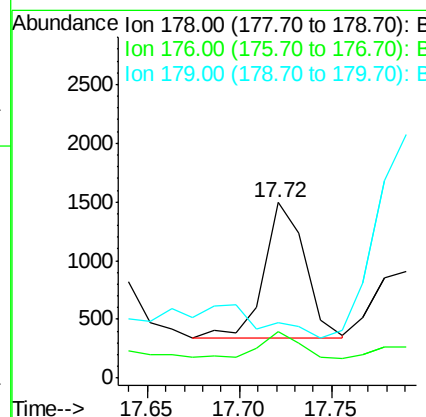
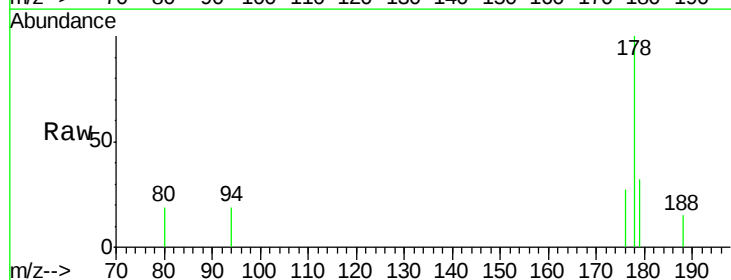
Manual Integrations

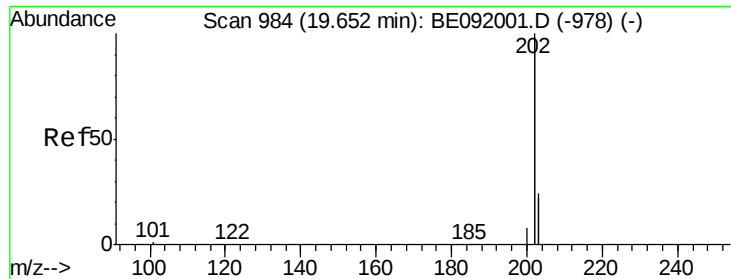
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#29
Anthracene
Concen: 0.04 ng
RT: 17.72 min Scan# 846
Delta R.T. -0.01 min
Lab File: BE092015.D
Acq: 22 Jul 2016 20:46

Tgt Ion:178 Resp: 1786
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 0.0 12.1 18.1#





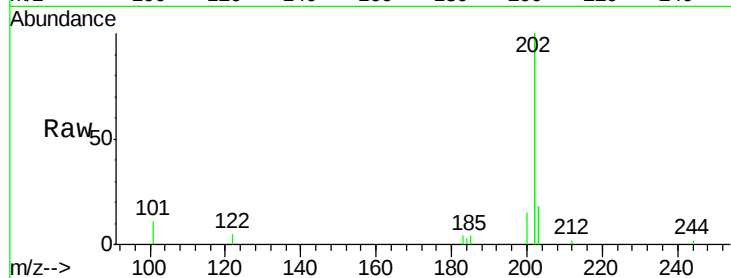
#30
Fluoranthene
Concen: 0.08 ng
RT: 19.63 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092015.D
Acq: 22 Jul 2016 20:46

Instrument :
BNA_E
ClientSampleId :
DUP-01

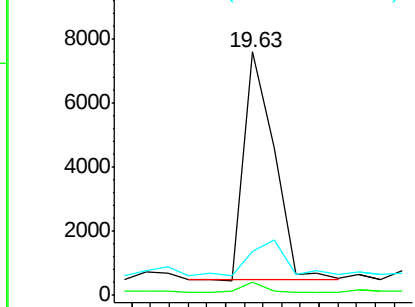
Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.4	9.4	14.0#
203	0.0	14.3	21.5#

Manual Integrations

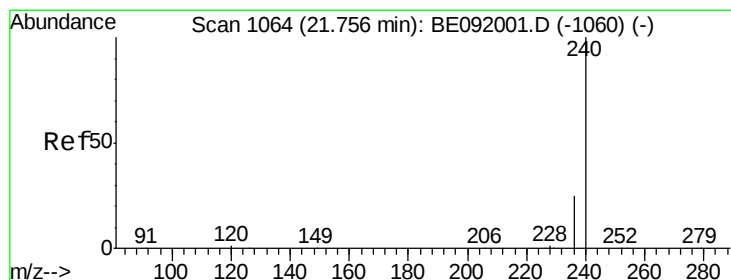
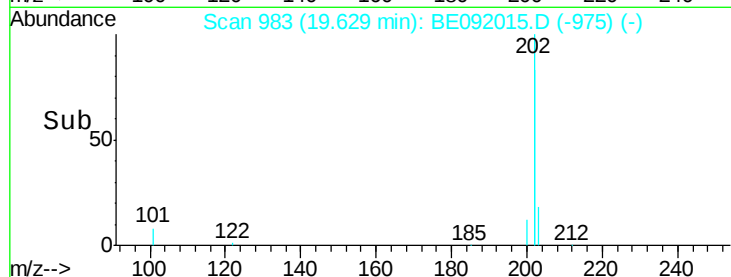
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



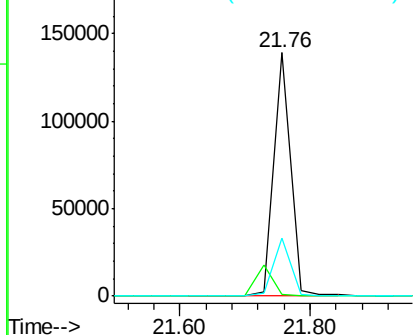
Time-->



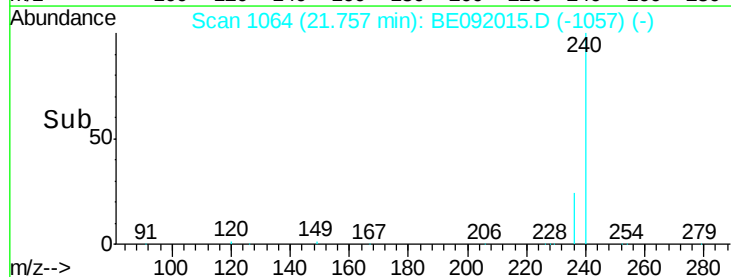
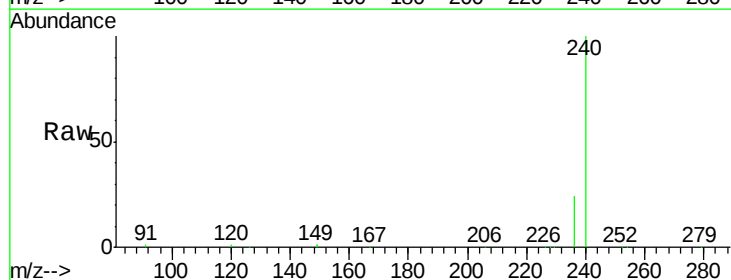
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092015.D
Acq: 22 Jul 2016 20:46

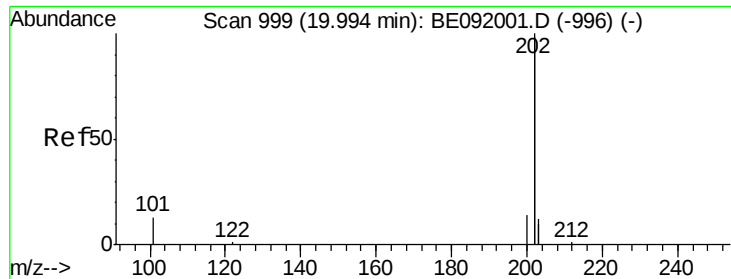
Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.8	1.2	1.8#
236	23.9	19.8	29.8

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



Time-->





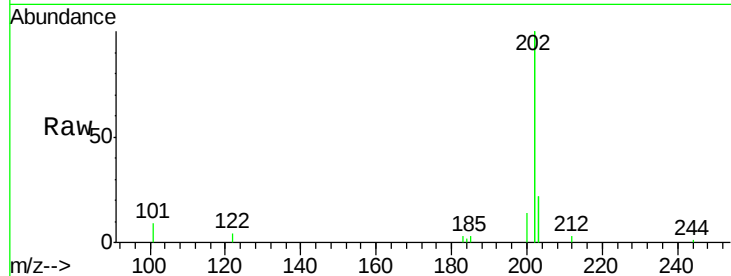
#33
 Pyrene
 Concen: 0.11 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BE092015.D
 Acq: 22 Jul 2016 20:46

Instrument :
 BNA_E
 ClientSampled :
 DUP-01

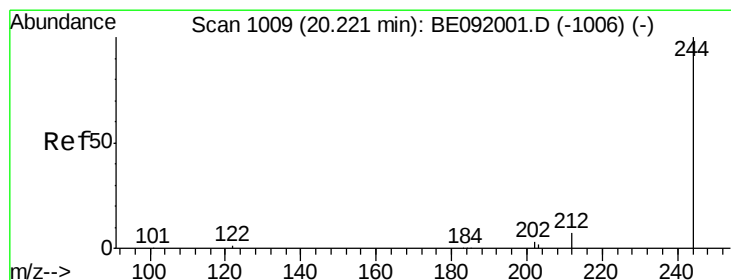
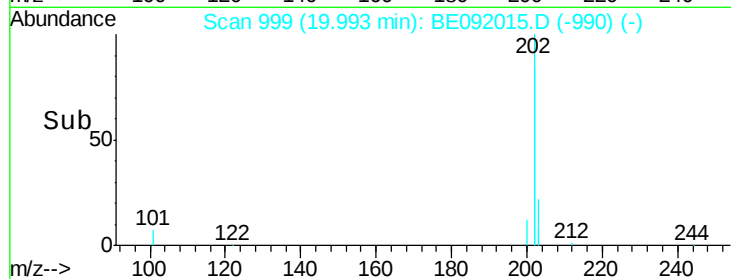
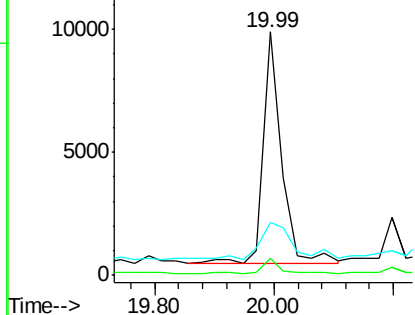
Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	16.9	25.3#
203	29.0	14.1	21.1#

Manual Integrations

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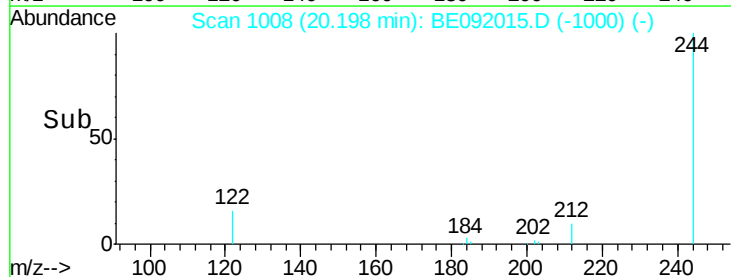
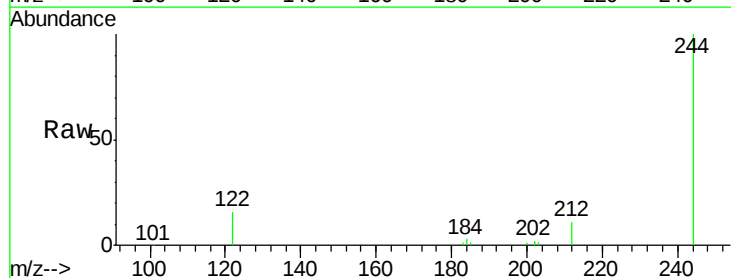
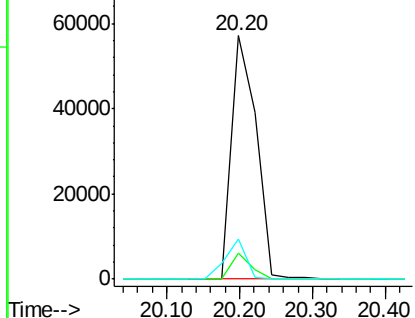
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

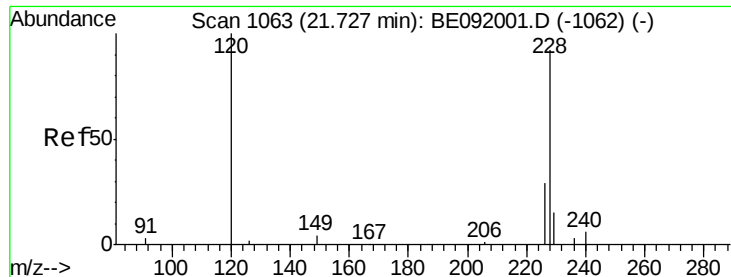


#34
 Terphenyl-d14
 Concen: 5.30 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: BE092015.D
 Acq: 22 Jul 2016 20:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.5	9.7#
122	16.2	2.9	4.3#

Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.04 ng m

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampled :

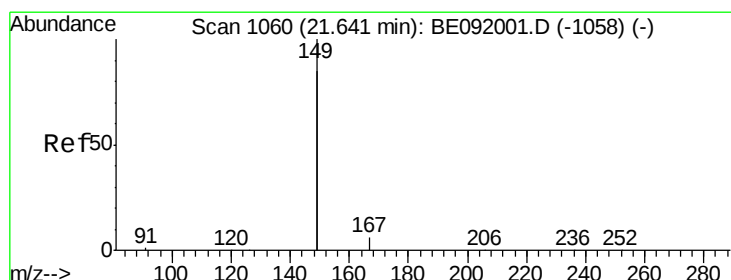
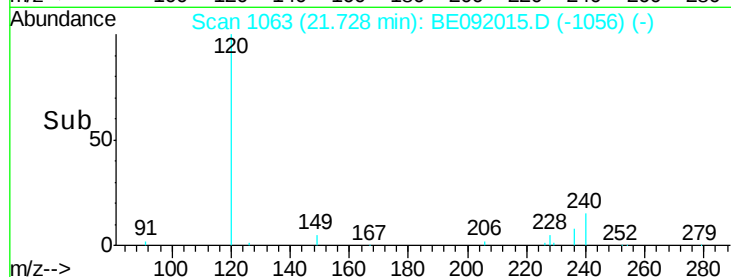
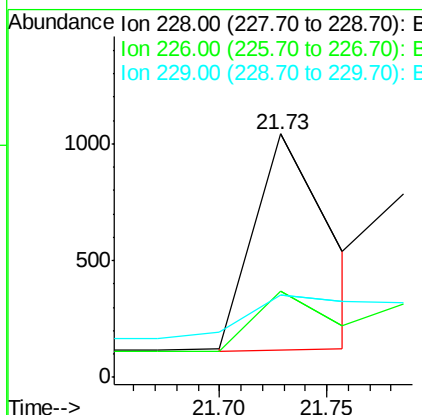
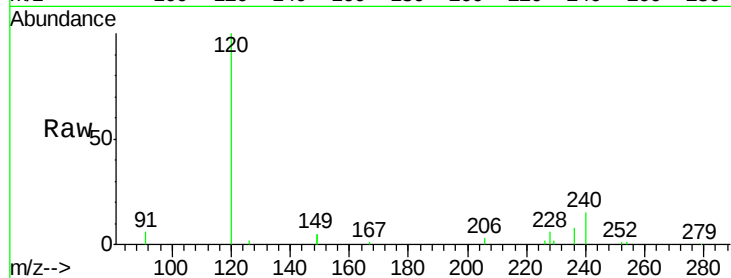
DUP-01

Tgt Ion:	228	Resp:	2319
Ion Ratio	Lower	Upper	
228	100		
226	35.6	21.0	31.4#
229	33.7	15.8	23.8#

Manual Integrations

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#38

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

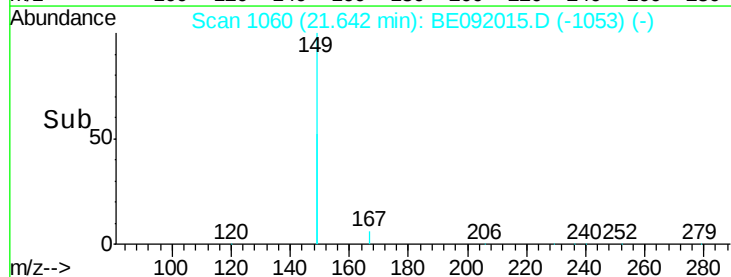
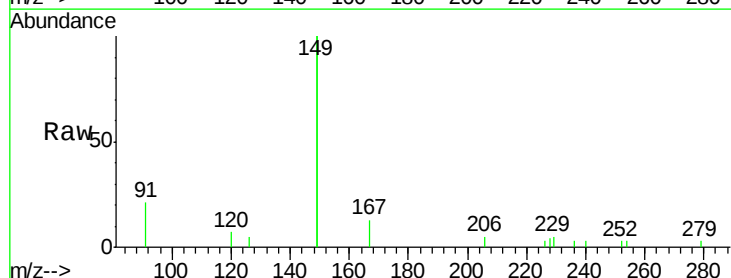
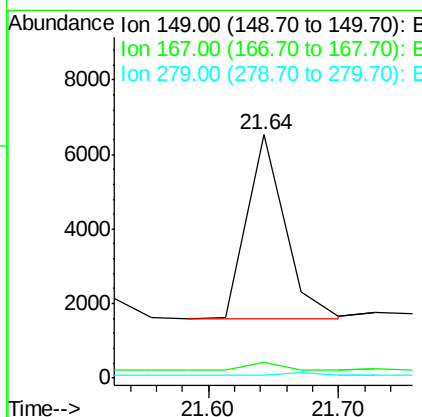
RT: 21.64 min Scan# 1060

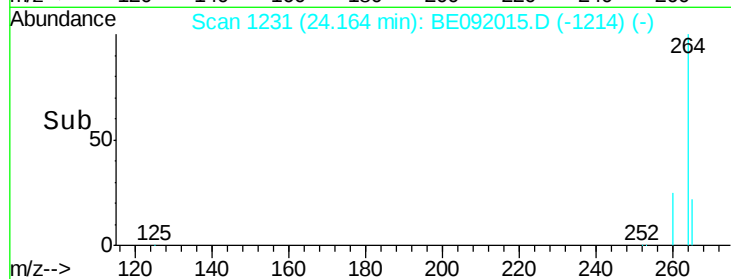
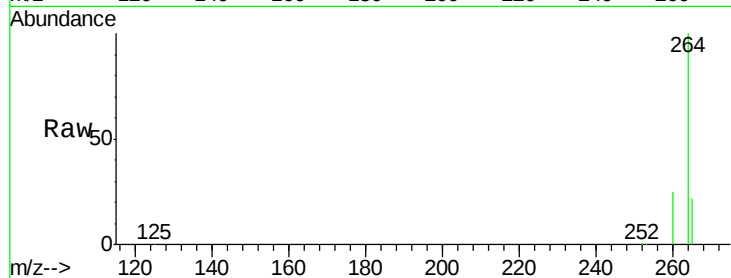
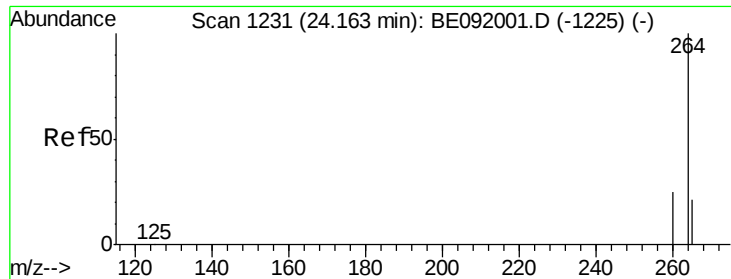
Delta R.T. 0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Tgt Ion:	149	Resp:	9826
Ion Ratio	Lower	Upper	
149	100		
167	4.4	0.0	0.0#
279	0.0	0.0	0.0





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE092015.D

Acq: 22 Jul 2016 20:46

Instrument :

BNA_E

ClientSampleId :

DUP-01

Tgt Ion: 264 Resp: 202105

Ion Ratio Lower Upper

264 100

260 24.8 20.3 30.5

265 22.0 17.6 26.4

Manual Integrations

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