

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089547.D
 Acq On : 7 Feb 2015 5:29
 Operator : TP/IZ
 Sample : G1243-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

apatel
 2/9/2015 11:55:06 AM

Quant Time: Feb 07 06:25:51 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	34899	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	134790	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	57395	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	111129	5.00	ng	0.00
16) Chrysene-d12	23.72	240	126442	5.00	ng	0.00
22) Perylene-d12	25.41	264	129353	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	84821	9.48	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	138901	9.07	ng	0.00
18) Terphenyl-d14	22.36	244	169870	10.18	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	627	0.02	ng	# 77
5) 2-Methylnaphthalene	14.03	142	181	0.01	ng	# 81
13) Phenanthrene	19.89	178	679	0.02	ng	97
14) Anthracene	19.98	178	343m	0.01	ng	
15) Fluoranthene	21.78	202	627	0.02	ng	# 94
17) Pyrene	22.10	202	605m	0.02	ng	
19) Benzo(a)anthracene	23.71	228	4141	0.04	ng	# 90
20) Chrysene	23.75	228	3493	0.03	ng	# 84
27) Benzo(g,h,i)perylene	27.27	276	3376	0.03	ng	# 63

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

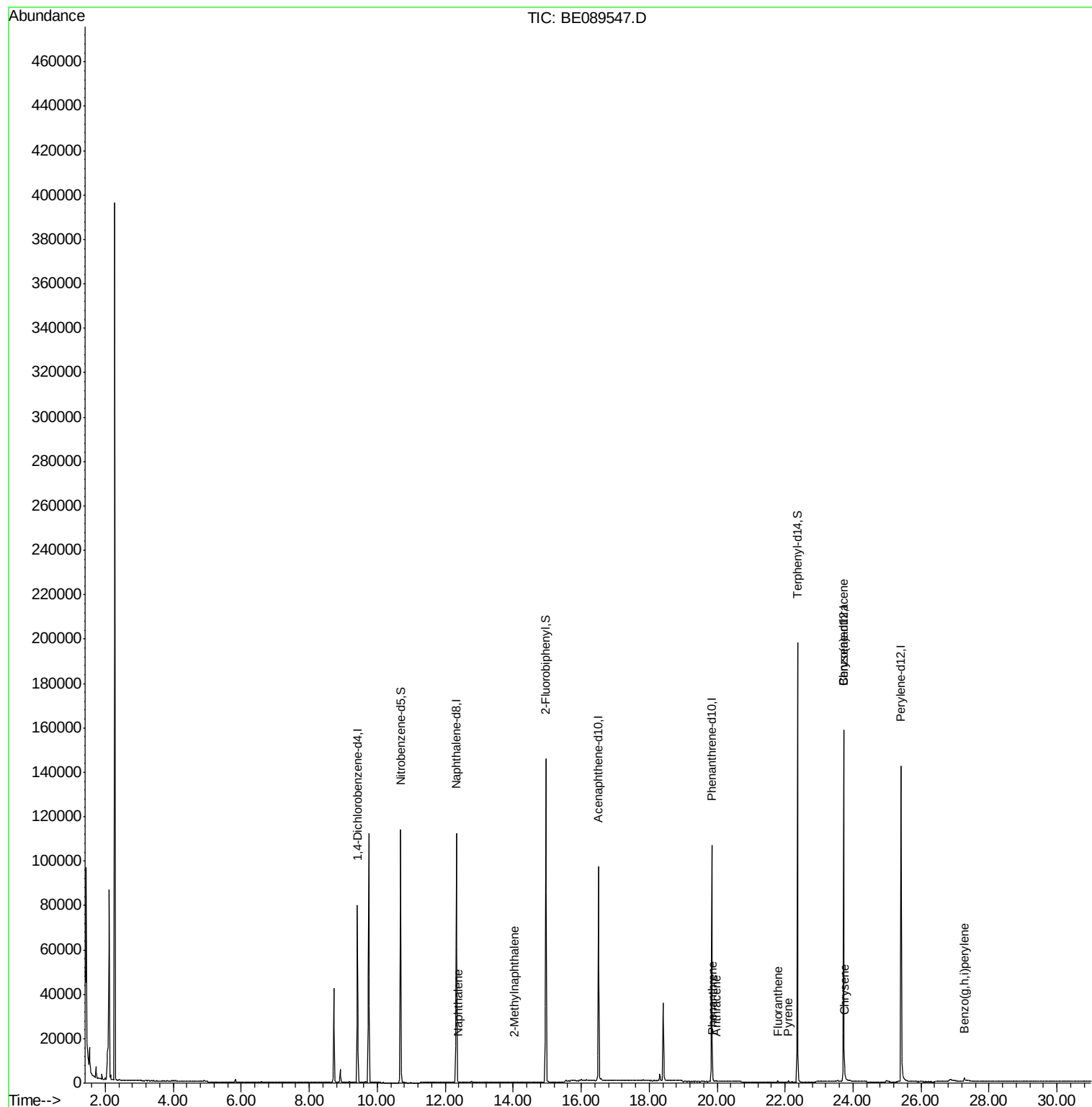
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089547.D
Acq On : 7 Feb 2015 5:29
Operator : TP/IZ
Sample : G1243-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

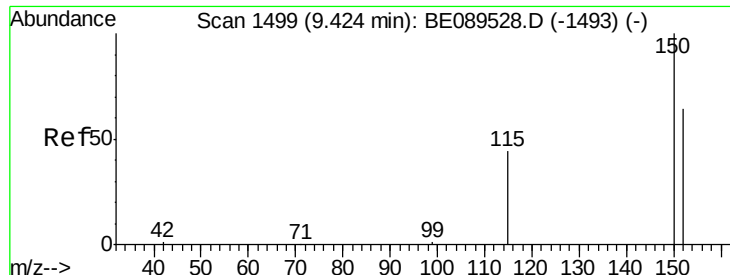
Instrument :
BNA_E
ClientSampleId :
MW-4

Manual Integrations
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2/9/2015 11:55:06 AM

Quant Time: Feb 07 06:25:51 2015
Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 07 04:07:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089547.D

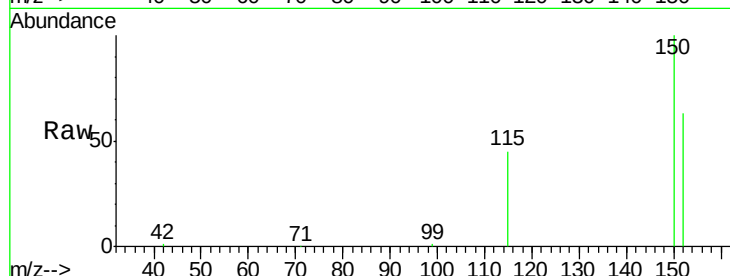
Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

ClientSampled :

MW-4



Tgt Ion:152 Resp: 34899

Ion Ratio Lower Upper

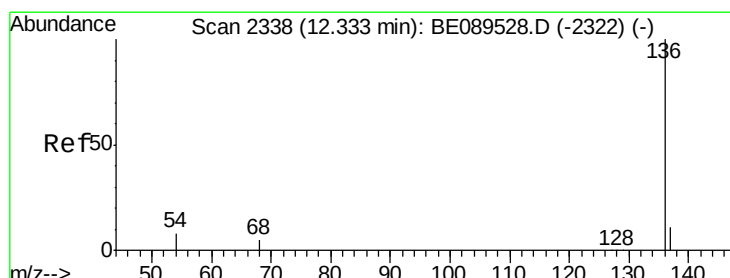
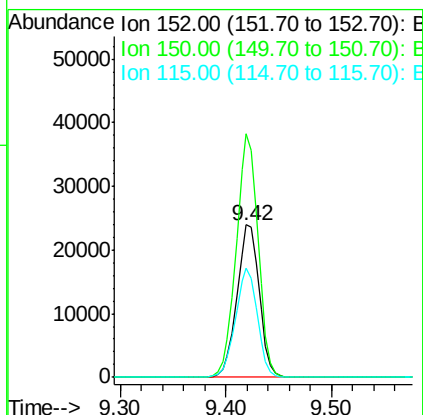
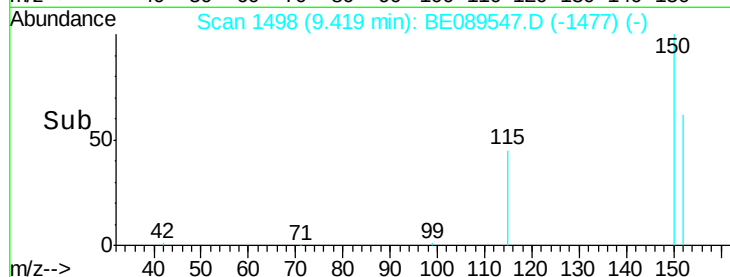
152 100

150 159.9 125.7 188.5

115 71.4 55.6 83.4

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#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BE089547.D

Acq: 7 Feb 2015 5:29

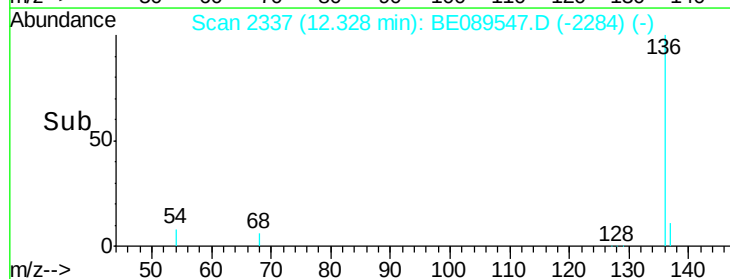
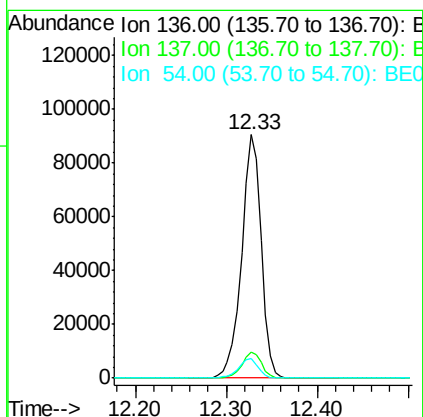
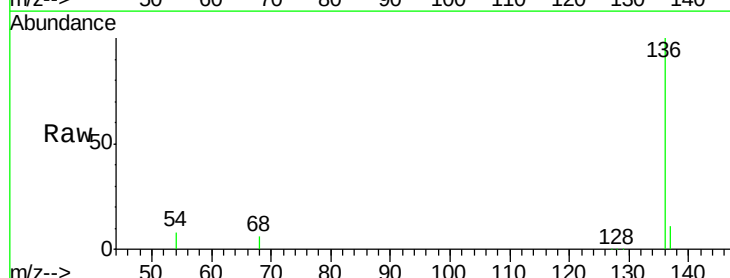
Tgt Ion:136 Resp: 134790

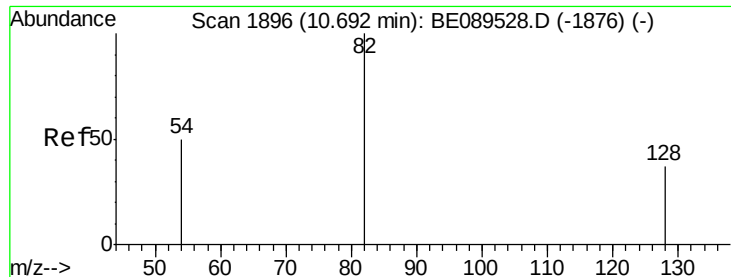
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.8 6.1 9.1





#3

Nitrobenzene-d5

Concen: 9.48 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BE089547.D

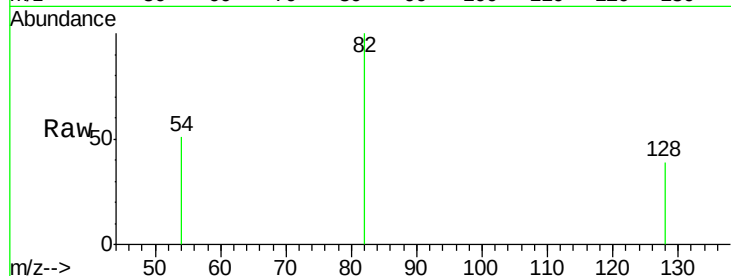
Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

ClientSampleId :

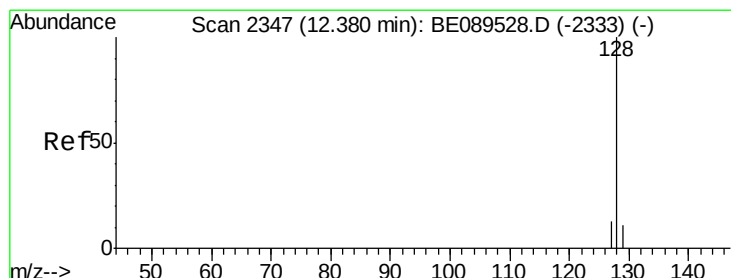
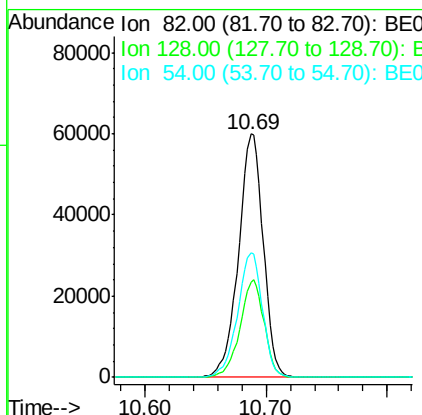
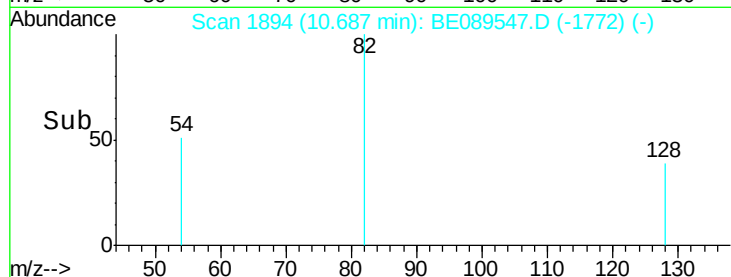
MW-4



Tgt Ion	82	128	54
Ratio	100	38.9	51.3
Lower		30.2	40.6
Upper		45.4	60.8

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#4

Naphthalene

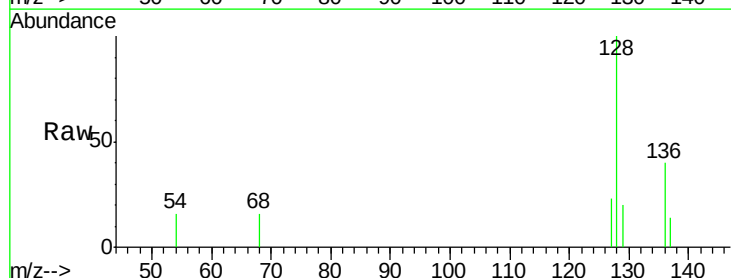
Concen: 0.02 ng

RT: 12.38 min Scan# 2346

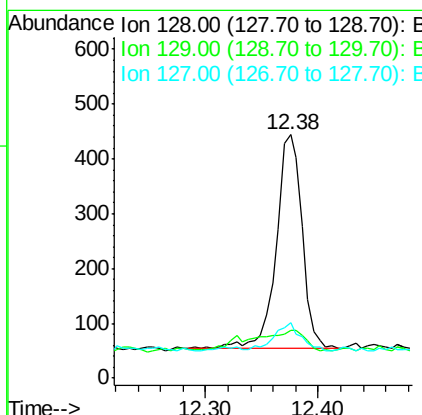
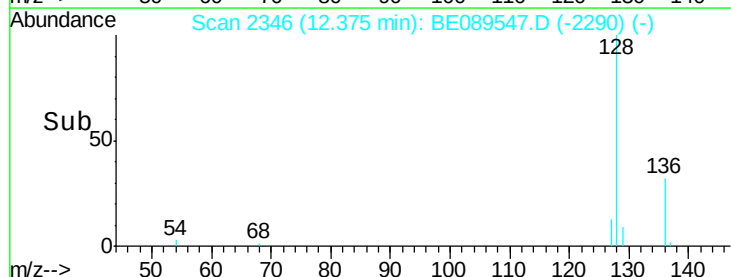
Delta R.T. -0.01 min

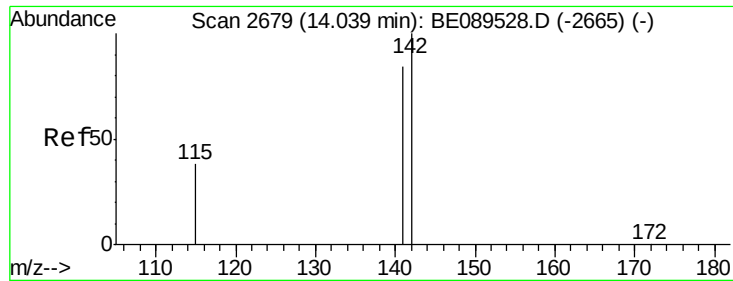
Lab File: BE089547.D

Acq: 7 Feb 2015 5:29



Tgt Ion	128	129	127
Ratio	100	19.6	22.7
Lower		9.1	10.5
Upper		13.7#	15.7#





#5

2-Methylnaphthalene

Concen: 0.01 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BE089547.D

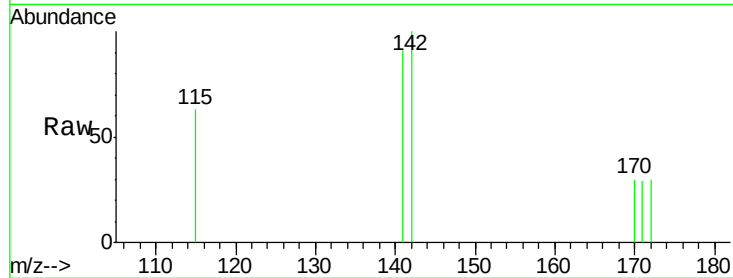
Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

ClientSampleId :

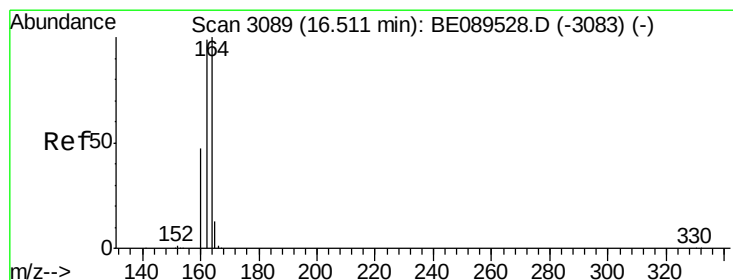
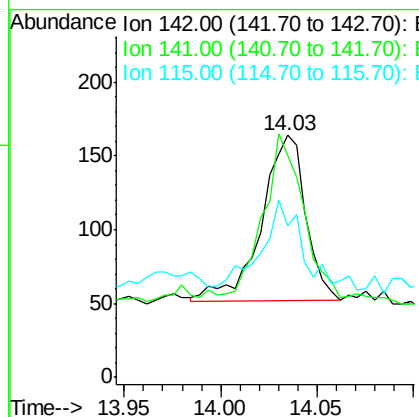
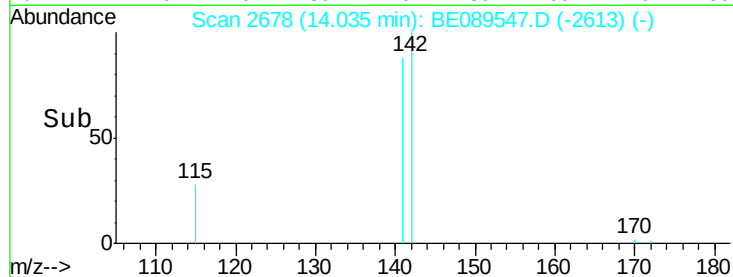
MW-4



Tgt Ion:	142	Resp:	181
Ion Ratio	Lower	Upper	
142	100		
141	91.5	67.0	100.6
115	62.8	30.6	45.8

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#6

Acenaphthene-d10

Concen: 5.00 ng

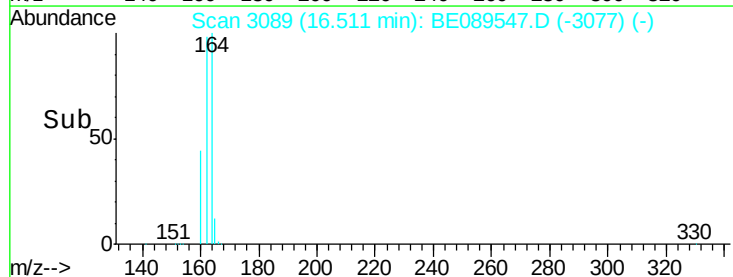
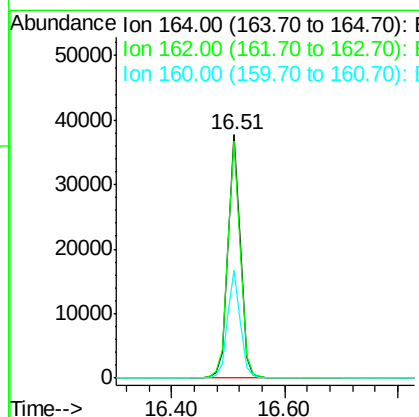
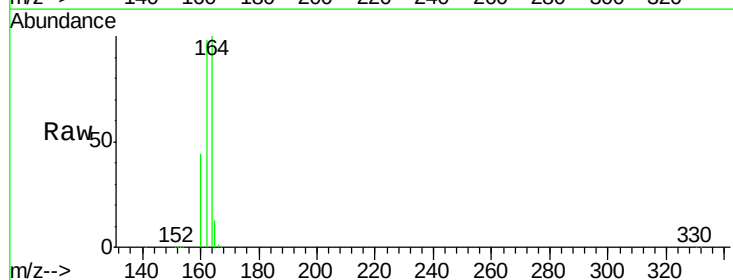
RT: 16.51 min Scan# 3089

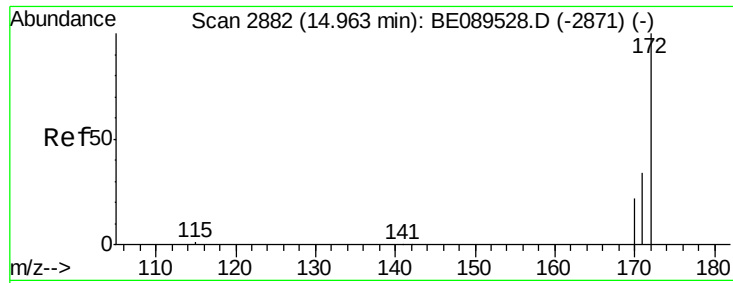
Delta R.T. 0.00 min

Lab File: BE089547.D

Acq: 7 Feb 2015 5:29

Tgt Ion:	164	Resp:	57395
Ion Ratio	Lower	Upper	
164	100		
162	97.6	79.5	119.3
160	44.3	37.6	56.4





#7

2-Fluorobiphenyl

Concen: 9.07 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089547.D

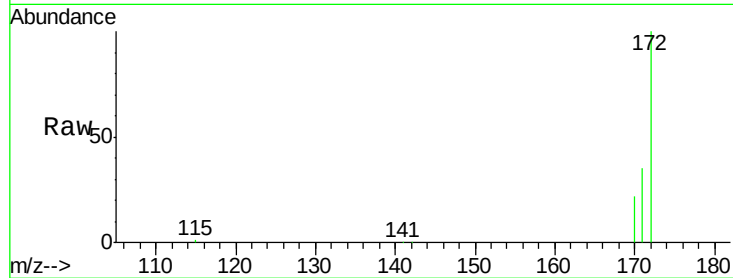
Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

ClientSampleId :

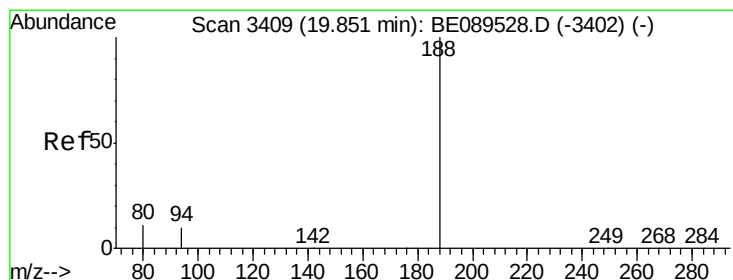
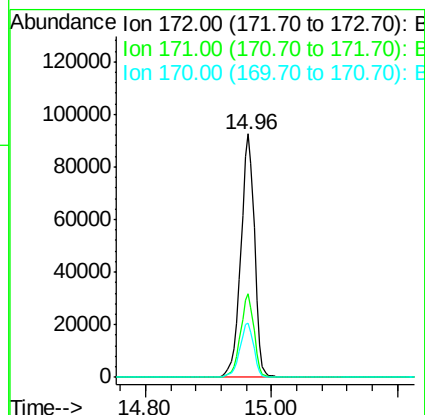
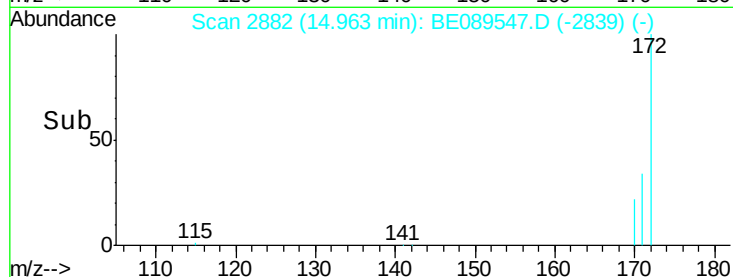
MW-4



Tgt Ion:	172	Resp:	138901
Ion Ratio		Lower	Upper
172	100		
171	34.5	27.7	41.5
170	22.4	18.3	27.5

Manual Integrations
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#11

Phenanthrene-d10

Concen: 5.00 ng

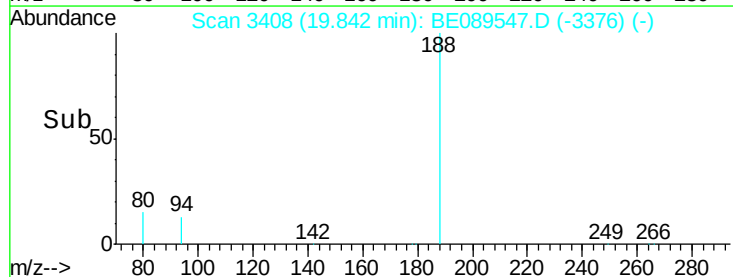
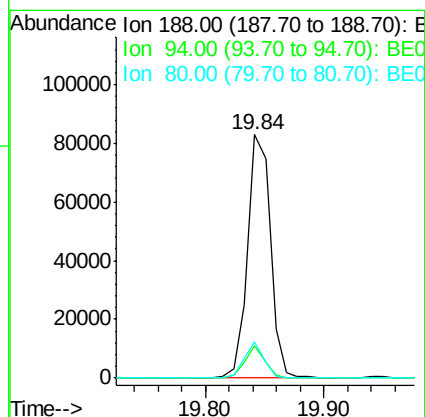
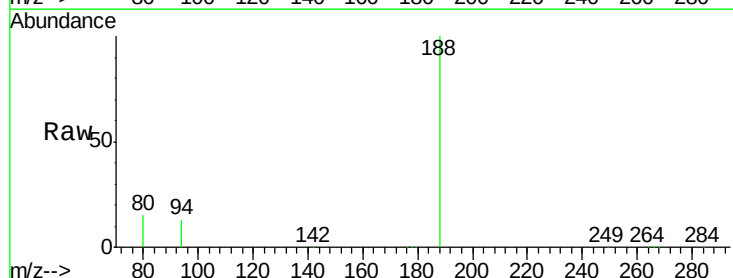
RT: 19.84 min Scan# 3408

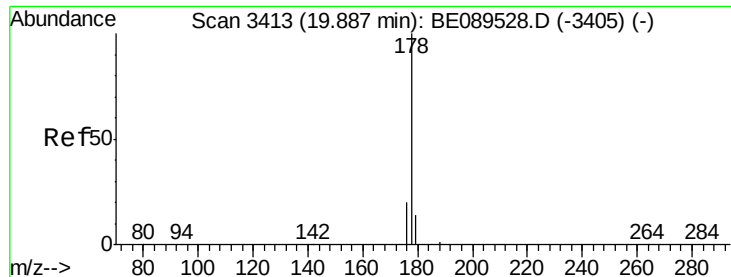
Delta R.T. -0.01 min

Lab File: BE089547.D

Acq: 7 Feb 2015 5:29

Tgt Ion:	188	Resp:	111129
Ion Ratio		Lower	Upper
188	100		
94	13.3	8.4	12.6#
80	14.8	8.6	12.8#





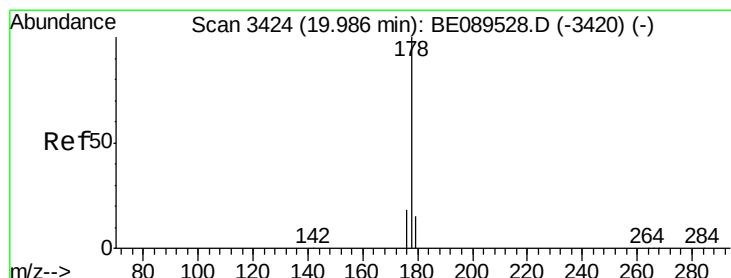
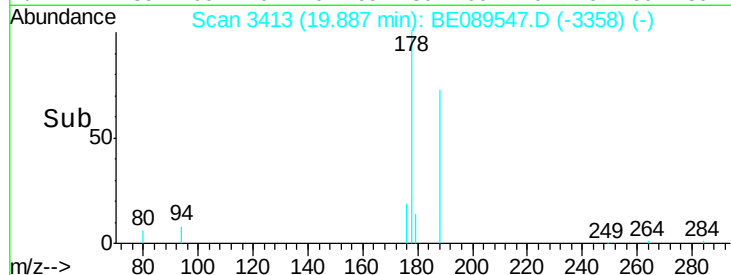
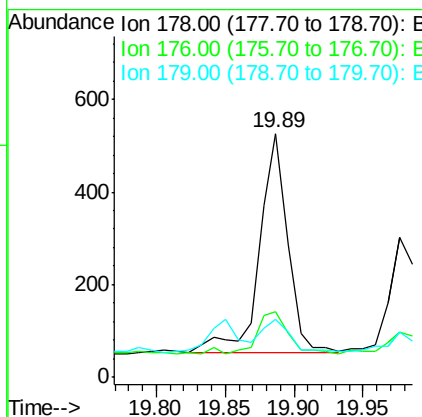
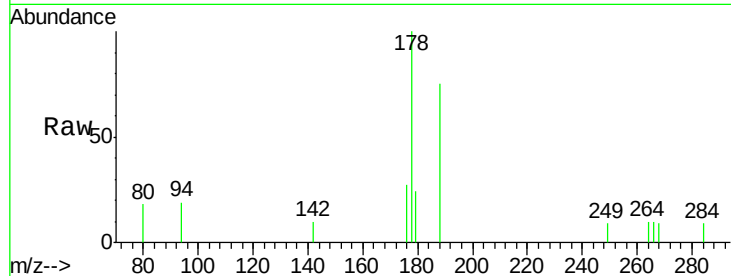
#13
Phenanthrene
Concen: 0.02 ng
RT: 19.89 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

Instrument :
BNA_E
ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.4	15.4	23.0
179	14.9	12.2	18.2

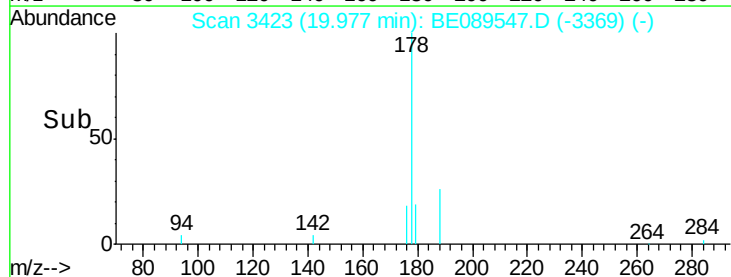
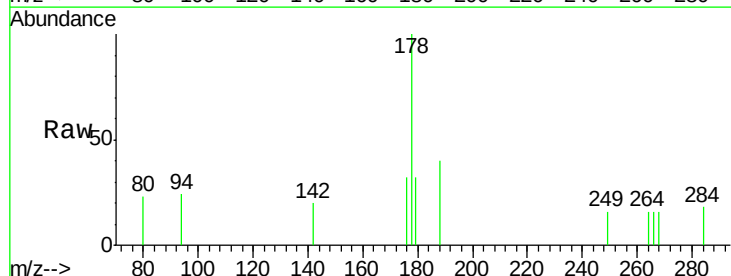
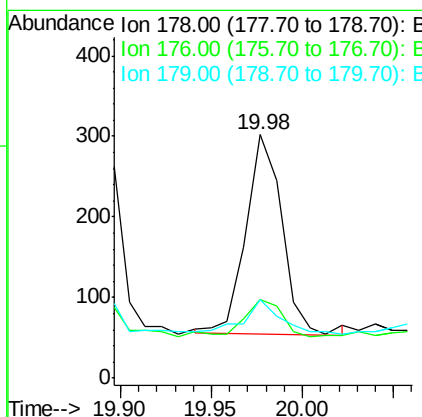
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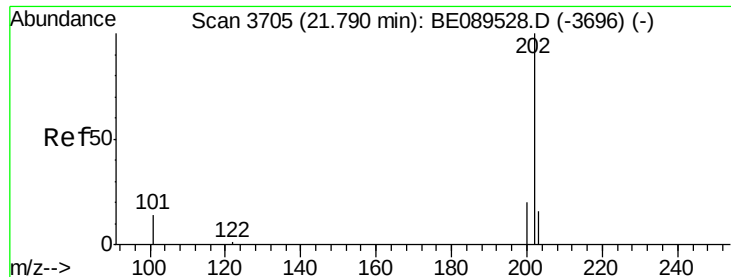
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#14
Anthracene
Concen: 0.01 ng m
RT: 19.98 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	42.3	14.5	21.7#
179	28.9	12.2	18.2#





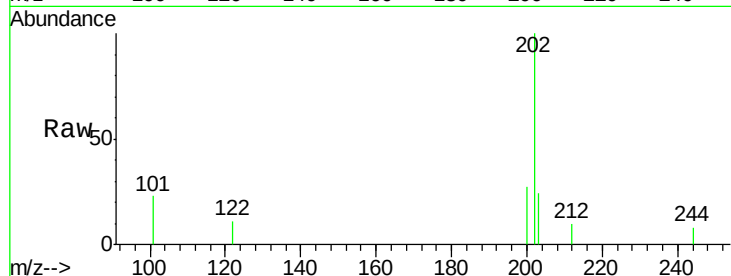
#15
Fluoranthene
Concen: 0.02 ng
RT: 21.78 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

Instrument :
BNA_E
ClientSampleId :
MW-4

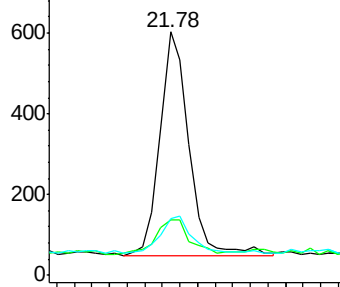
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	11.6	17.4#
203	18.8	13.6	20.4

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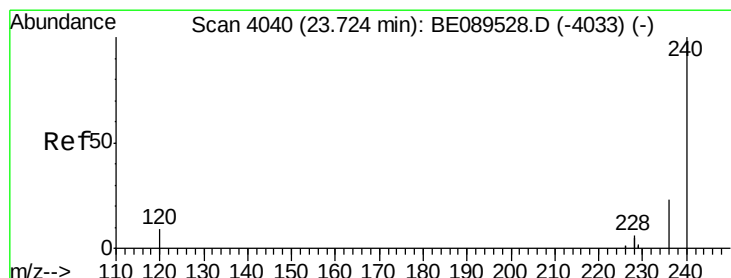
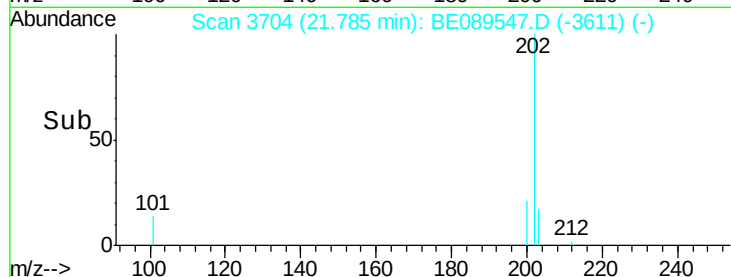
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



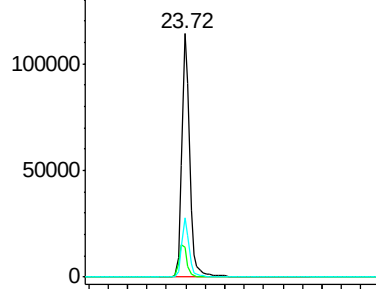
Time-->



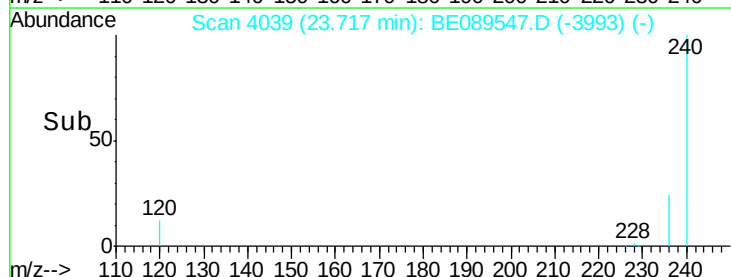
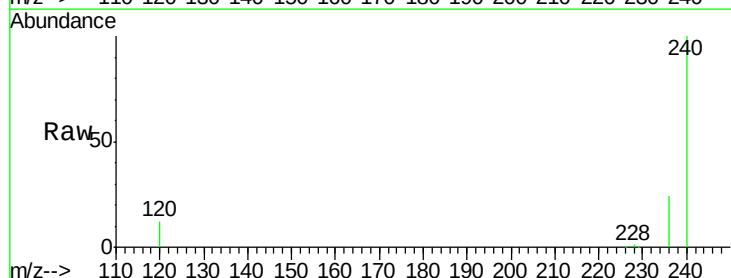
#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4039
Delta R.T. -0.01 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

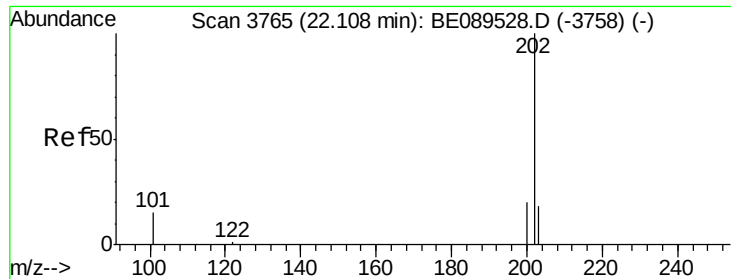
Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.2	10.8#
236	24.4	18.5	27.7

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-->





#17

Pyrene

Concen: 0.02 ng m

RT: 22.10 min Scan# 3764

Delta R.T. -0.01 min

Lab File: BE089547.D

Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

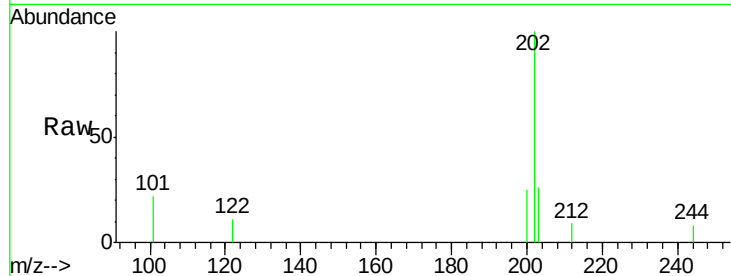
ClientSampleId :

MW-4

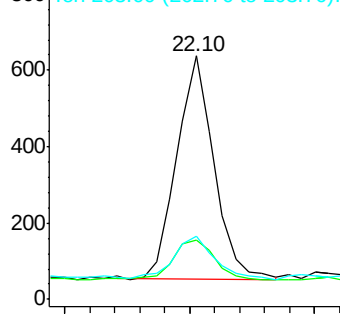
Tgt Ion:	202	Resp:	605
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.3	24.5
203	19.5	13.5	20.3

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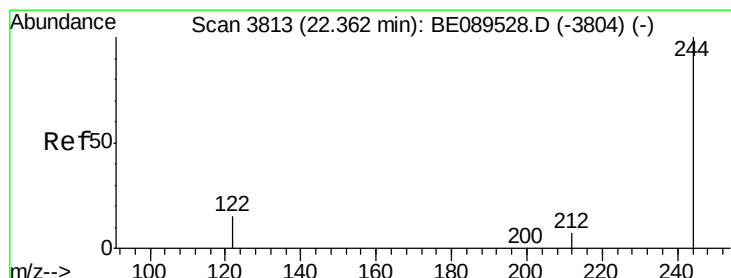
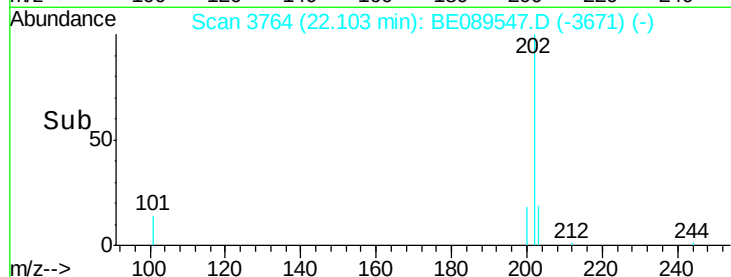
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 22.05 22.10 22.15



#18

Terphenyl-d14

Concen: 10.18 ng

RT: 22.36 min Scan# 3813

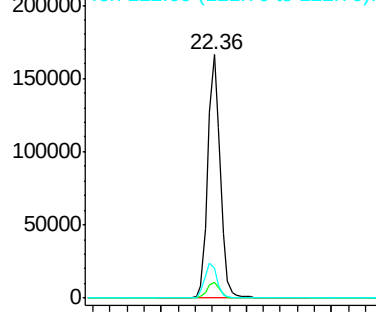
Delta R.T. 0.00 min

Lab File: BE089547.D

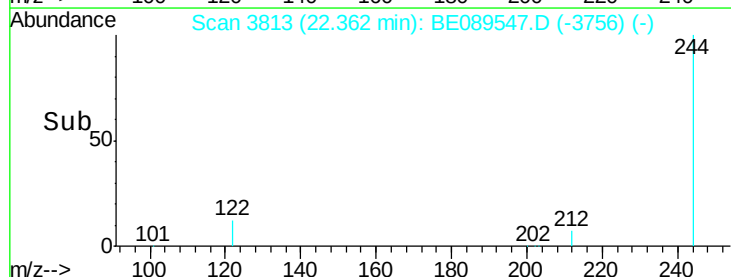
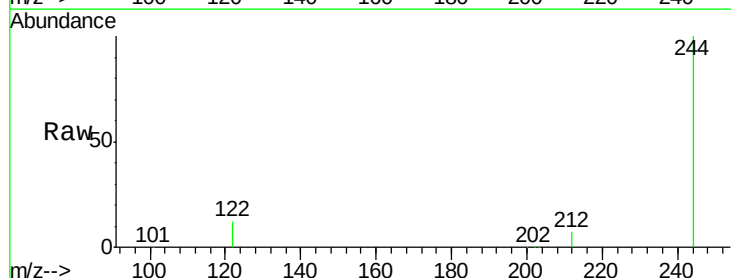
Acq: 7 Feb 2015 5:29

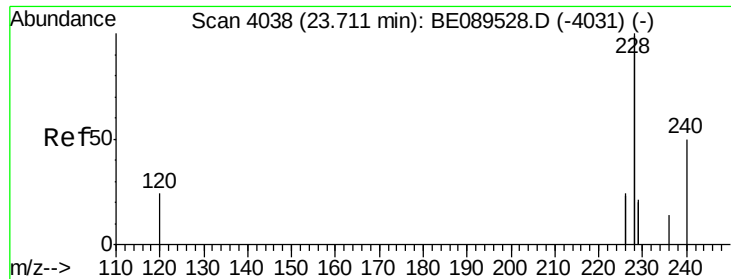
Tgt Ion:	244	Resp:	169870
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	12.1	12.6	19.0#

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



Time--> 22.30 22.40 22.50





#19

Benzo(a)anthracene

Concen: 0.04 ng

RT: 23.71 min Scan# 4038

Delta R.T. 0.00 min

Lab File: BE089547.D

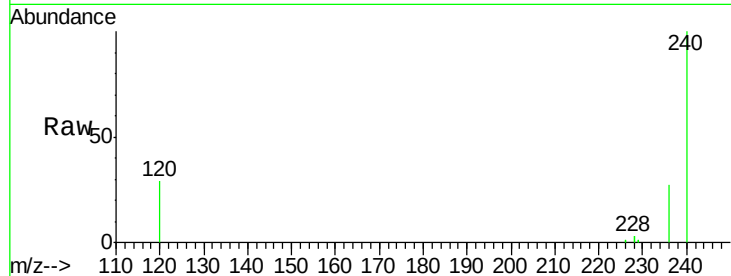
Acq: 7 Feb 2015 5:29

Instrument :

BNA_E

ClientSampleId :

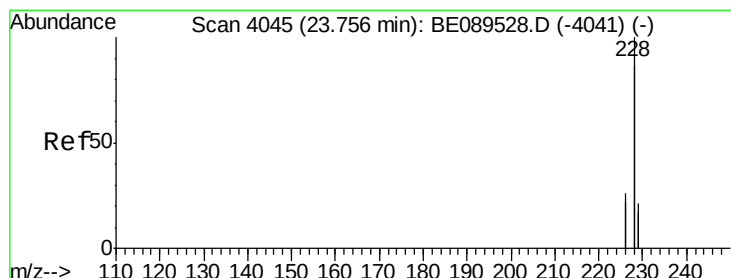
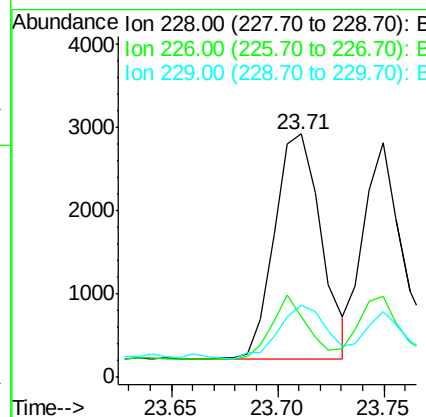
MW-4



Tgt Ion:	228	Resp:	4141
Ion Ratio	Lower	Upper	
228	100		
226	24.8	19.0	28.4
229	29.5	16.8	25.2

Manual Integrations
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apatel
2/9/2015 11:55:06 AM



#20

Chrysene

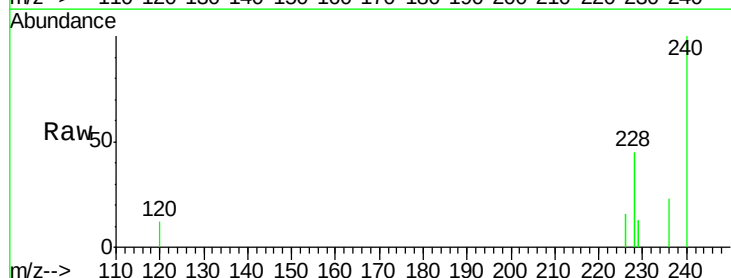
Concen: 0.03 ng

RT: 23.75 min Scan# 4044

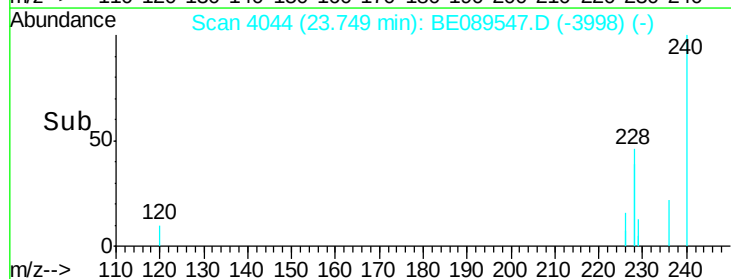
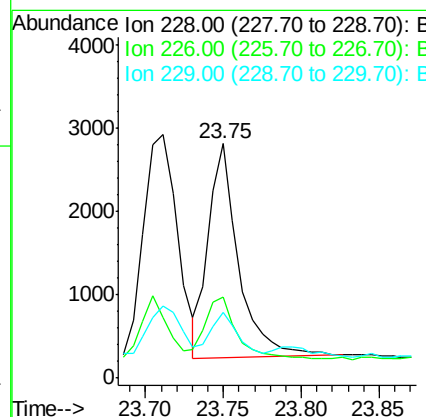
Delta R.T. -0.01 min

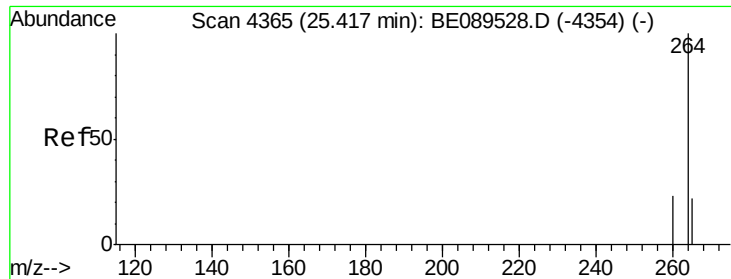
Lab File: BE089547.D

Acq: 7 Feb 2015 5:29



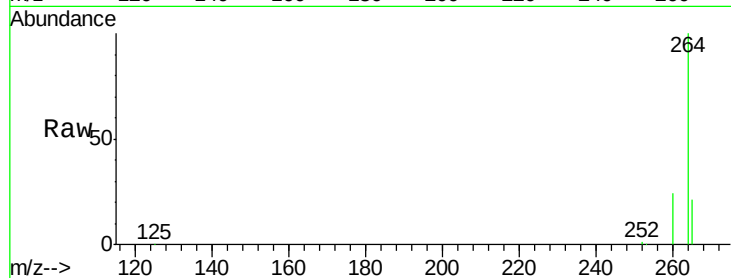
Tgt Ion:	228	Resp:	3493
Ion Ratio	Lower	Upper	
228	100		
226	34.6	21.0	31.4
229	27.8	16.7	25.1





#22
Perylene-d12
Concen: 5.00 ng
RT: 25.41 min Scan# 4364
Delta R.T. -0.01 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

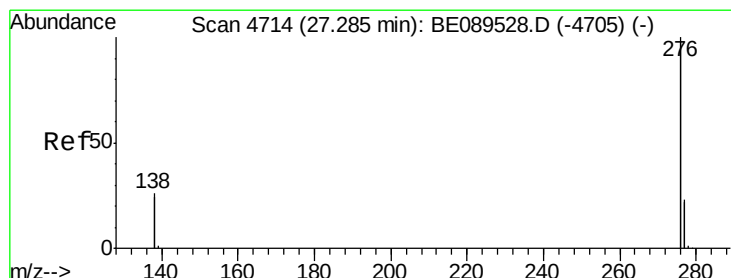
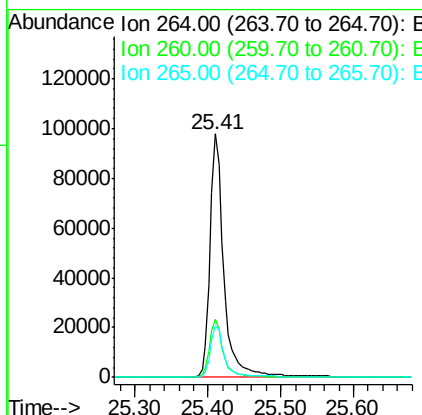
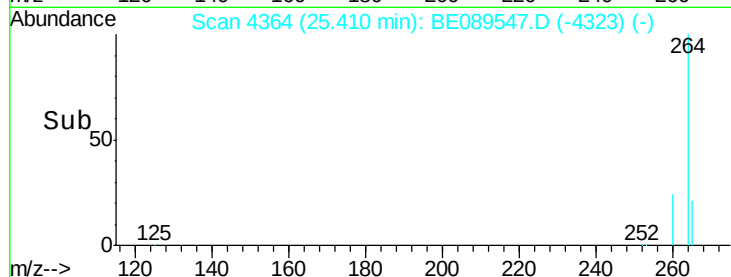
Instrument :
BNA_E
ClientSampleId :
MW-4



Tgt Ion: 264 Resp: 129353
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.1 17.5 26.3

Manual Integrations
APPROVED

apatel
2/9/2015 11:55:06 AM



#27
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 27.27 min Scan# 4712
Delta R.T. -0.01 min
Lab File: BE089547.D
Acq: 7 Feb 2015 5:29

Tgt Ion: 276 Resp: 3376
Ion Ratio Lower Upper
276 100
277 38.0 18.6 27.8#
138 48.2 20.9 31.3#

