

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089347.D
 Acq On : 8 Jan 2015 1:58
 Operator : TP/IZ
 Sample : G1001-06
 Misc : LOQ-WATER-1.0PPM-SIM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-WATER2015-02

Manual Integrations
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 1/9/2015 5:21:49 PM

Quant Time: Jan 08 15:39:17 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 15:21:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	19389	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	73931	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	34040	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	51330	5.00	ng	0.00
15) Chrysene-d12	18.06	240	39203	5.00	ng	0.00
21) Perylene-d12	21.12	264	36028	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.64	82	36460	7.09	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	58707	6.32	ng	0.00
17) Terphenyl-d14	15.85	244	44666	6.44	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	2152	0.13	ng	95
5) 2-Methylnaphthalene	9.39	142	1284	0.12	ng	97
8) Acenaphthylene	10.47	152	7072	0.12	ng	# 95
9) Acenaphthene	10.69	154	1231	0.14	ng	97
10) Fluorene	11.34	166	1175	0.12	ng	99
12) Phenanthrene	12.75	178	7037	0.13	ng	95
13) Anthracene	12.84	178	6472	0.13	ng	93
14) Fluoranthene	14.96	202	1526	0.13	ng	93
16) Pyrene	15.41	202	1583	0.12	ng	# 93
18) Benzo(a)anthracene	18.05	228	5460	0.14	ng	93
19) Chrysene	18.12	228	5487m	0.14	ng	
20) Indeno(1,2,3-cd)pyrene	23.23	276	4594	0.12	ng	# 79
22) Benzo(b)fluoranthene	20.37	252	928	0.12	ng	# 84
23) Benzo(k)fluoranthene	20.43	252	1339	0.14	ng	# 83
24) Benzo(a)pyrene	21.01	252	974	0.13	ng	# 84
25) Dibenzo(a,h)anthracene	23.31	278	793	0.11	ng	# 67
26) Benzo(g,h,i)perylene	23.82	276	4364	0.12	ng	# 79

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

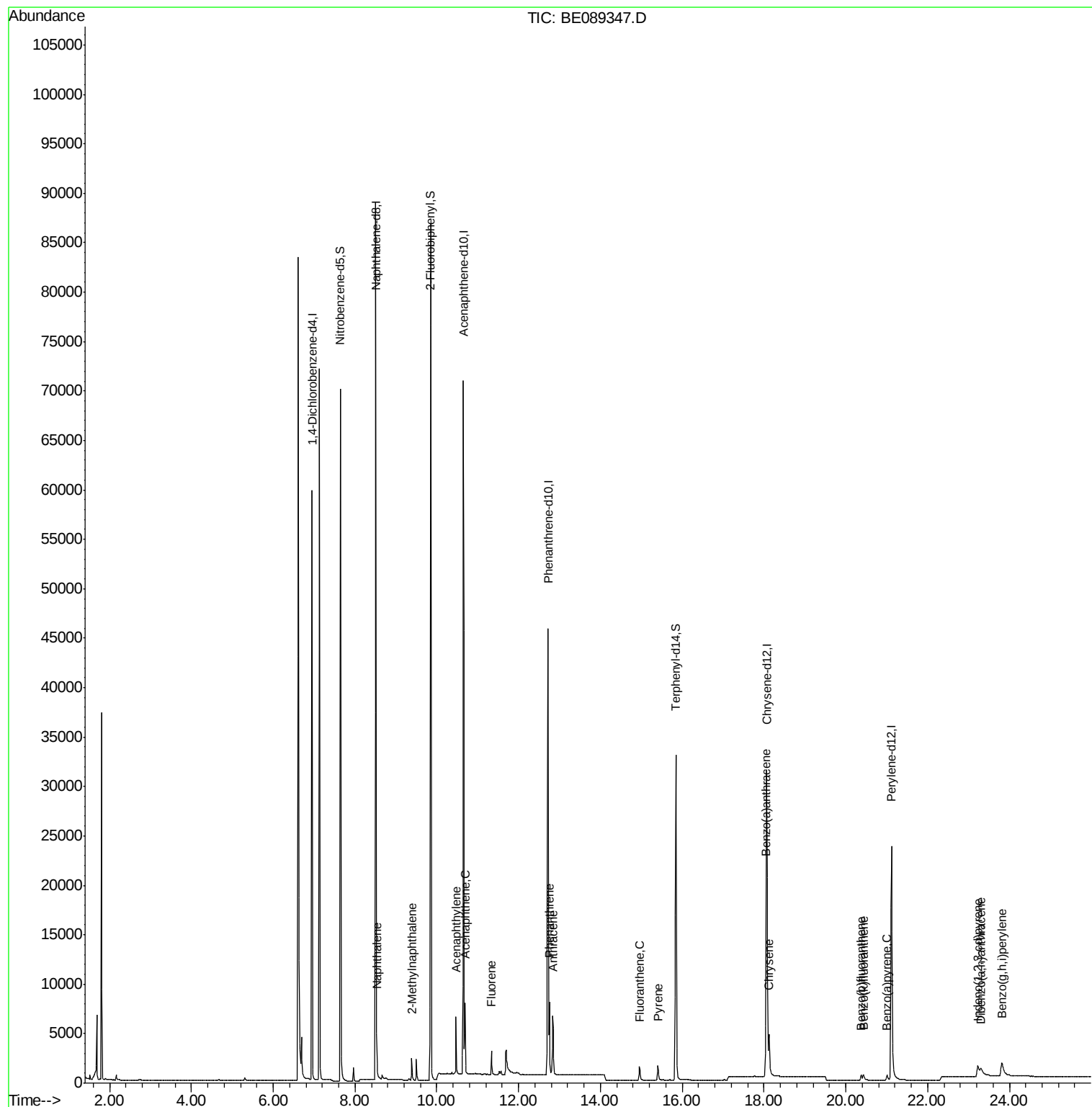
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089347.D
Acq On : 8 Jan 2015 1:58
Operator : TP/IZ
Sample : G1001-06
Misc : LOQ-WATER-1.0PPM-SIM
ALS Vial : 23 Sample Multiplier: 1

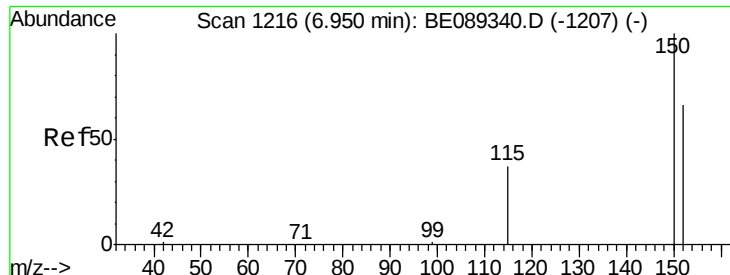
Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2015-02

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Quant Time: Jan 08 15:39:17 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 15:21:44 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089347.D

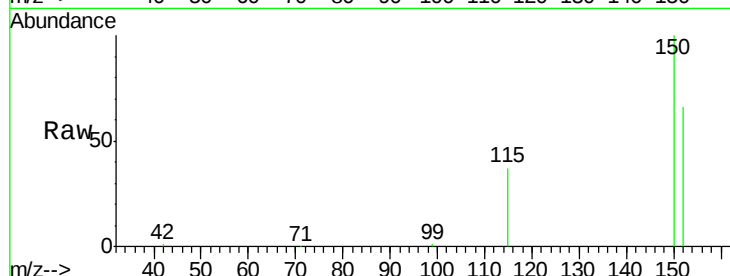
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

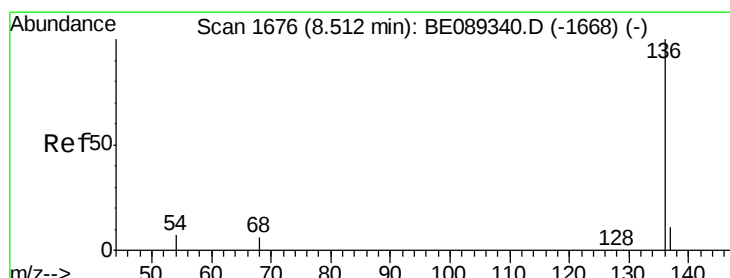
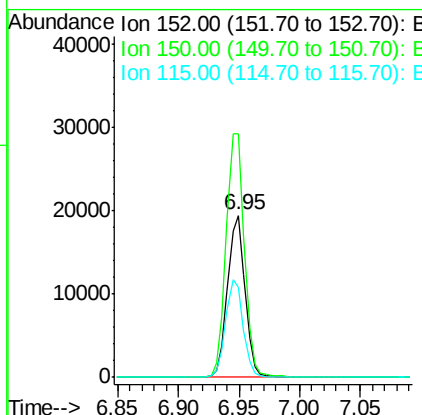
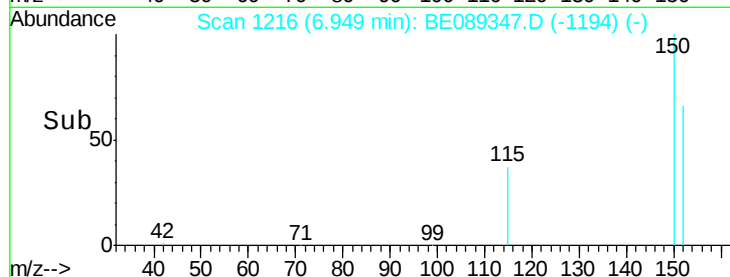
LOQ-WATER2015-02



Tgt Ion:	152	Resp:	19389
Ion Ratio	Lower	Upper	
152	100		
150	150.6	121.5	182.3
115	55.5	45.2	67.8

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#2

Naphthalene-d8

Concen: 5.00 ng

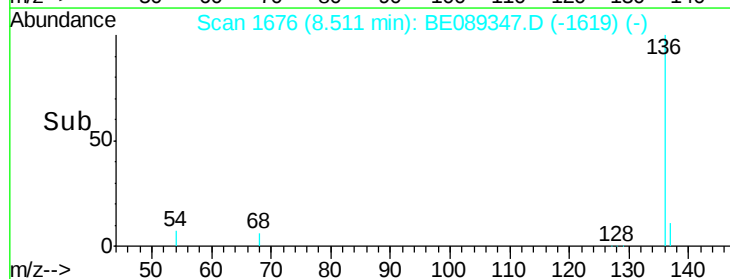
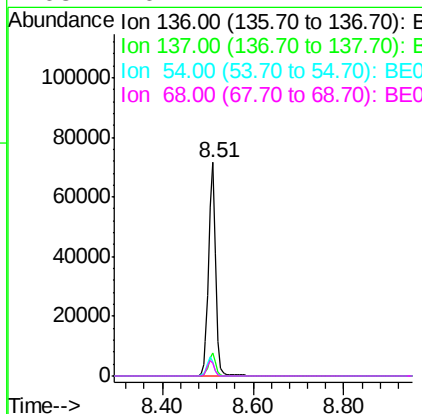
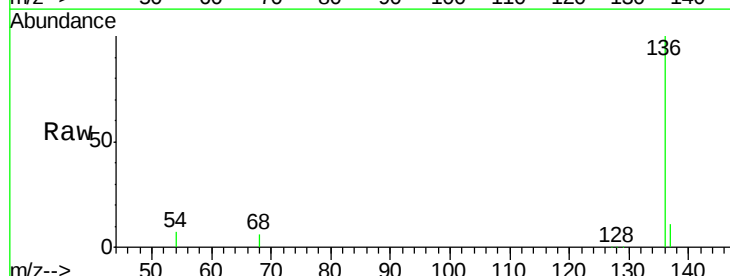
RT: 8.51 min Scan# 1676

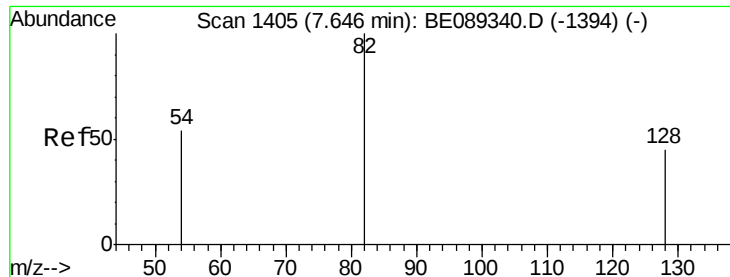
Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Tgt Ion:	136	Resp:	73931
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.8	5.4	8.0
68	6.2	4.7	7.1





#3

Nitrobenzene-d5

Concen: 7.09 ng

RT: 7.64 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BE089347.D

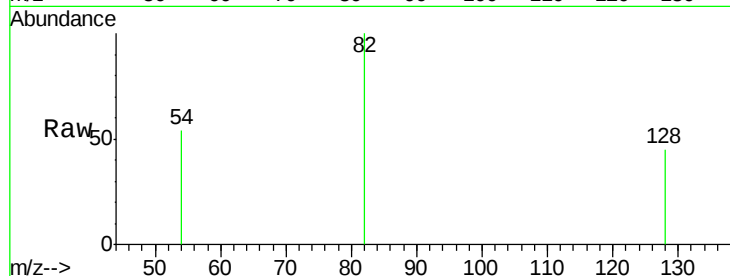
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER2015-02



Tgt Ion: 82 Resp: 36460

Ion Ratio Lower Upper

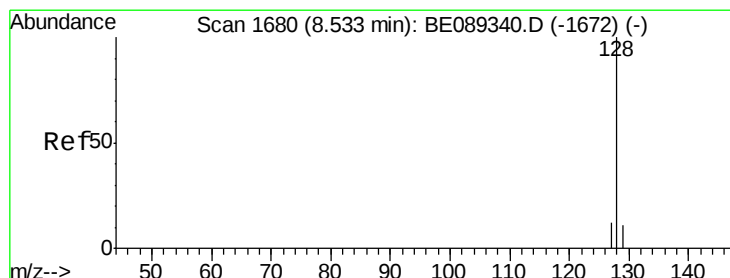
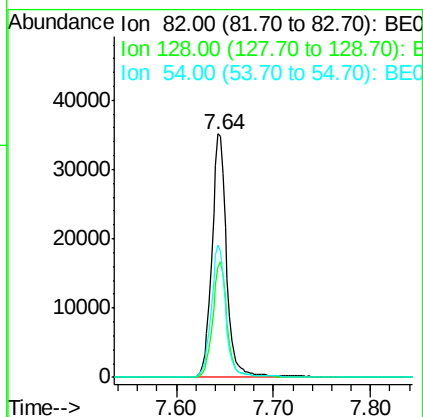
82 100

128 45.5 36.5 54.7

54 54.2 43.5 65.3

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#4

Naphthalene

Concen: 0.13 ng

RT: 8.53 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

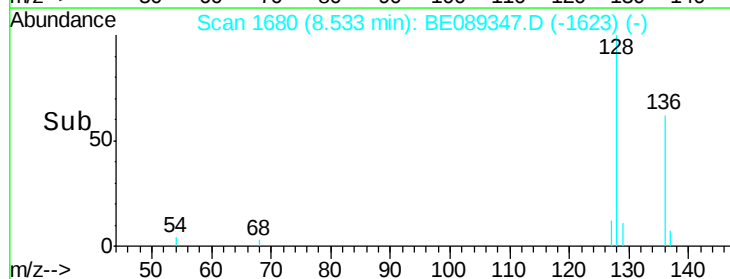
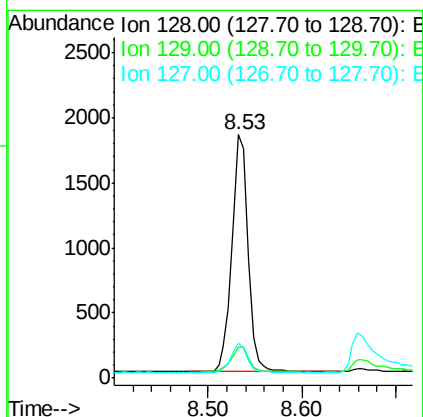
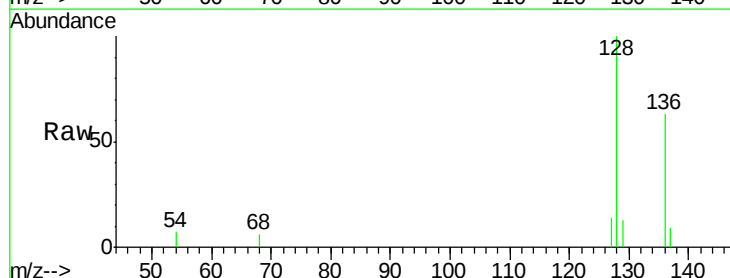
Tgt Ion: 128 Resp: 2152

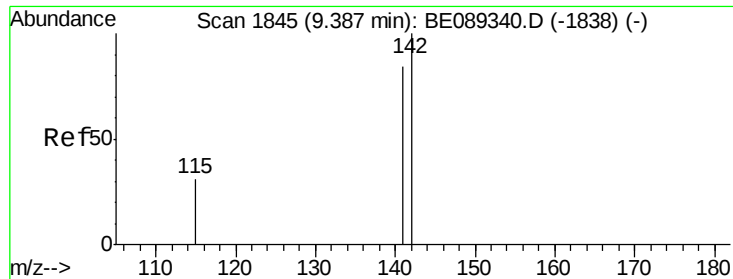
Ion Ratio Lower Upper

128 100

129 12.8 8.8 13.2

127 14.4 10.0 15.0





#5

2-Methylnaphthalene

Concen: 0.12 ng

RT: 9.39 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BE089347.D

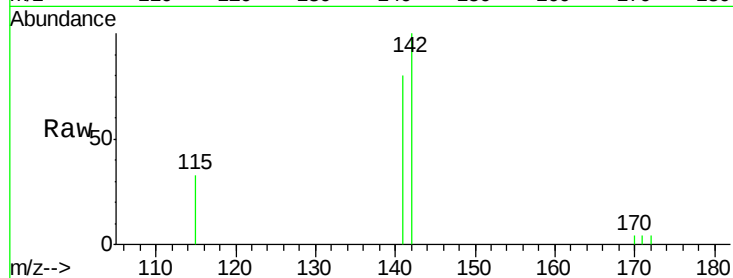
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

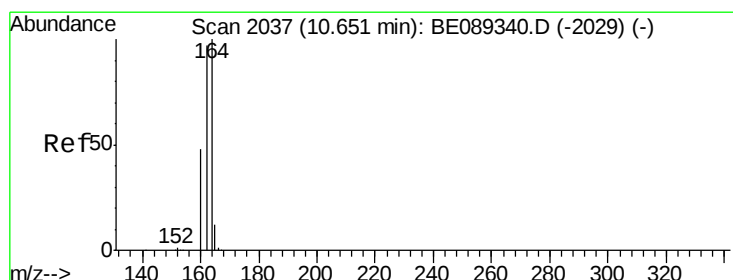
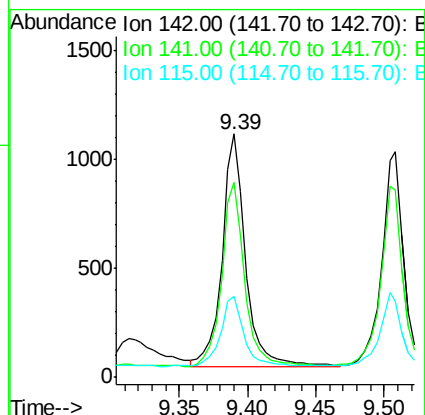
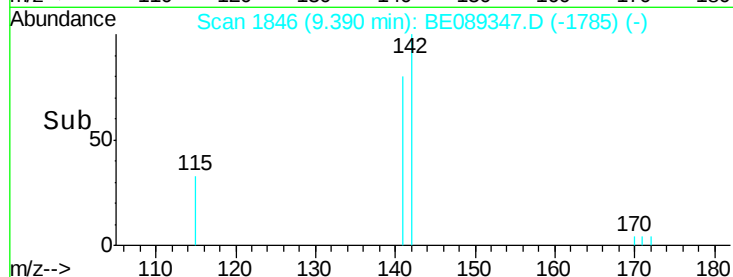
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Tgt Ion:	142	Resp:	1284
Ion Ratio	Lower	Upper	
142	100		
141	79.9	66.3	99.5
115	33.2	25.2	37.8

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#6

Acenaphthene-d10

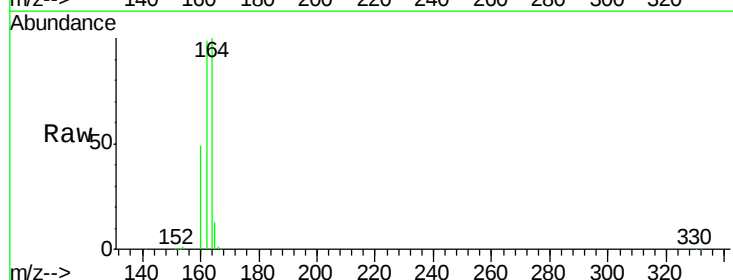
Concen: 5.00 ng

RT: 10.65 min Scan# 2037

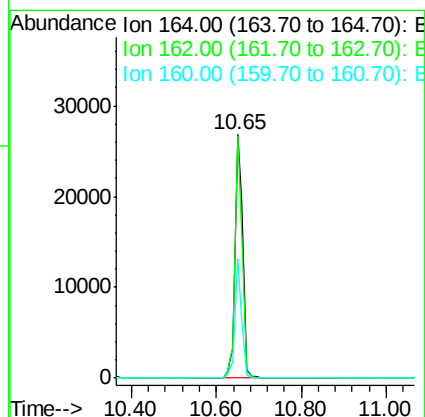
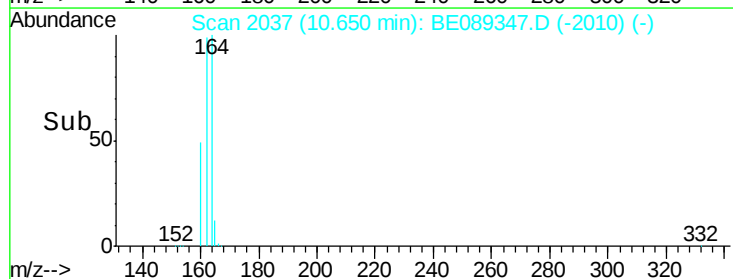
Delta R.T. -0.00 min

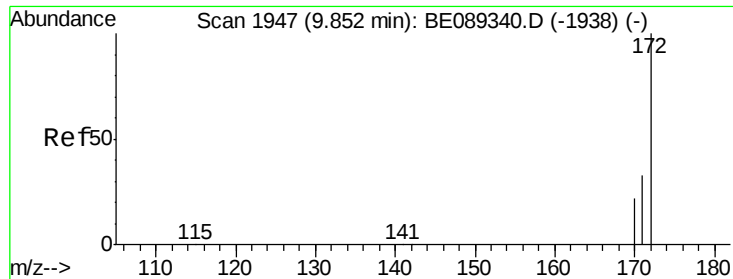
Lab File: BE089347.D

Acq: 8 Jan 2015 1:58



Tgt Ion:	164	Resp:	34040
Ion Ratio	Lower	Upper	
164	100		
162	99.4	77.4	116.2
160	48.9	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 6.32 ng

RT: 9.85 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

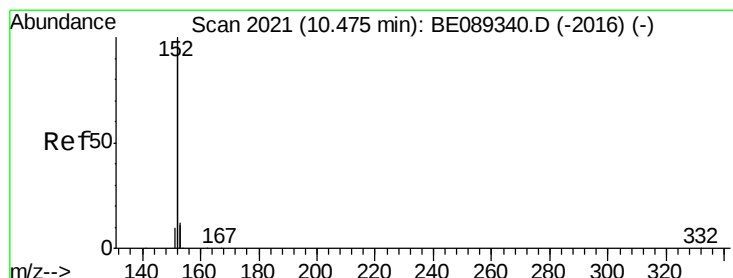
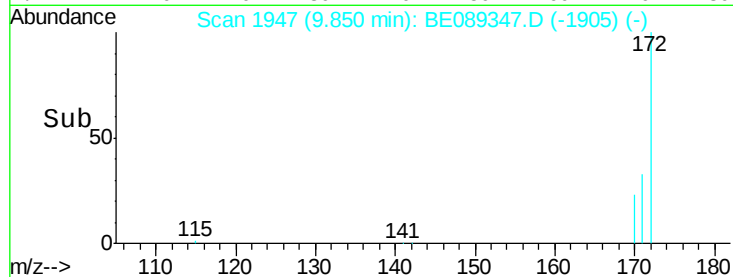
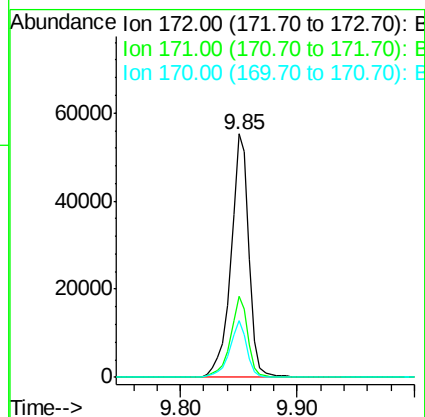
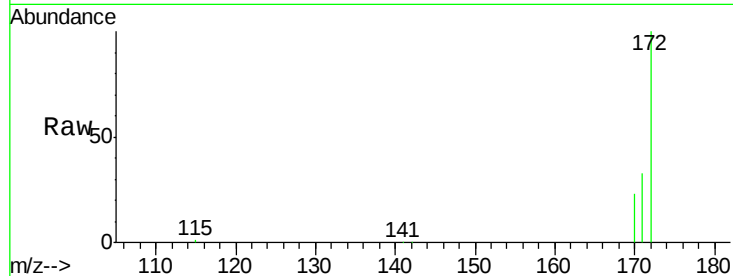
ClientSampleId :

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Tgt Ion:	172	Resp:	58707
Ion Ratio	Lower	Upper	
172	100		
171	33.2	26.4	39.6
170	23.1	18.0	27.0

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#8

Acenaphthylene

Concen: 0.12 ng

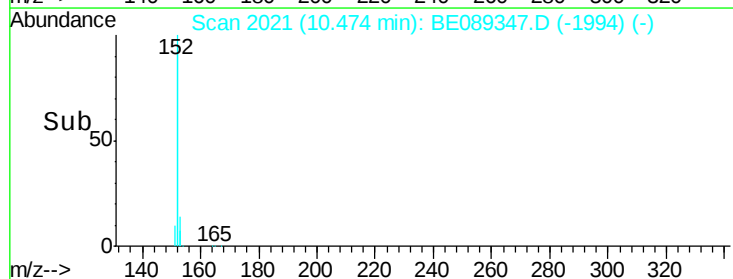
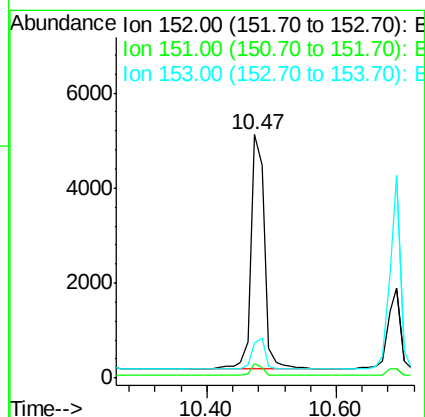
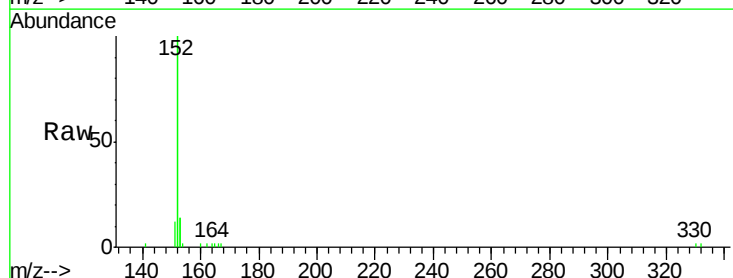
RT: 10.47 min Scan# 2021

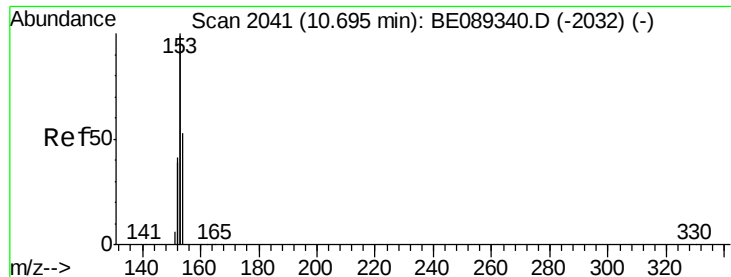
Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Tgt Ion:	152	Resp:	7072
Ion Ratio	Lower	Upper	
152	100		
151	6.2	4.1	6.1#
153	14.3	9.8	14.6





#9

Acenaphthene

Concen: 0.14 ng

RT: 10.69 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

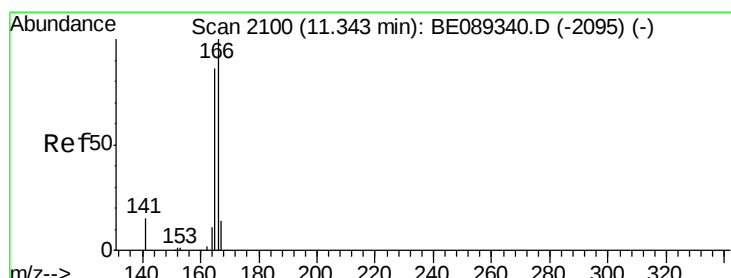
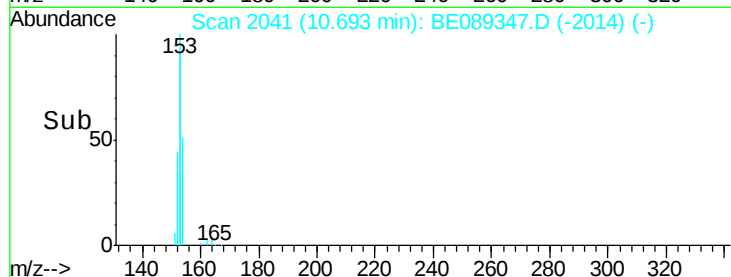
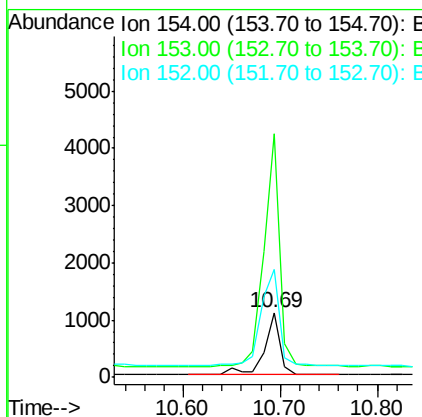
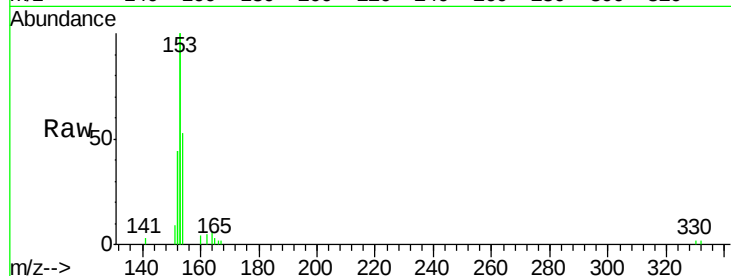
ClientSampleId :

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Tgt Ion:	154	Resp:	1231
Ion Ratio	Lower	Upper	
154	100		
153	374.8	300.6	450.8
152	166.5	123.3	184.9

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#10

Fluorene

Concen: 0.12 ng

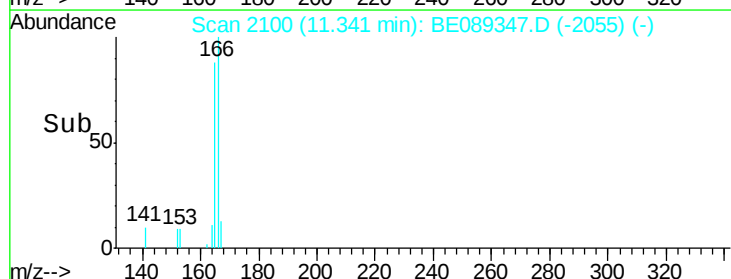
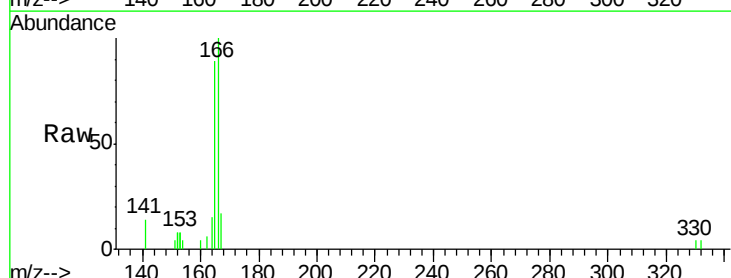
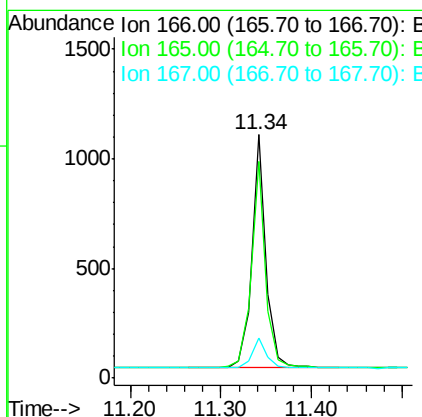
RT: 11.34 min Scan# 2100

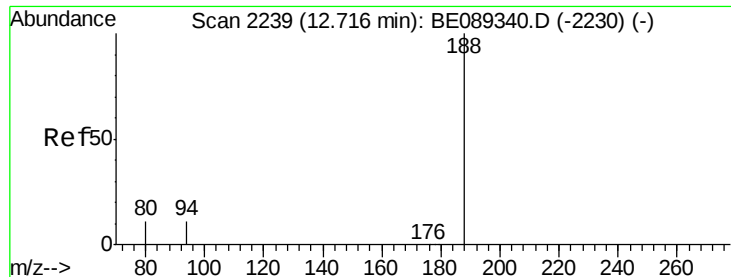
Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Tgt Ion:	166	Resp:	1175
Ion Ratio	Lower	Upper	
166	100		
165	88.9	72.1	108.1
167	14.6	11.0	16.4





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2240

Delta R.T. 0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

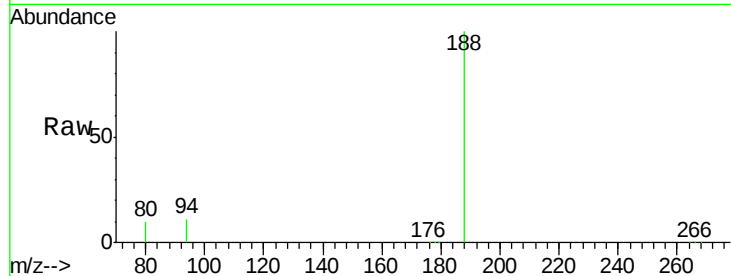
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	11.0	12.2#
80	9.8	10.1	11.1#

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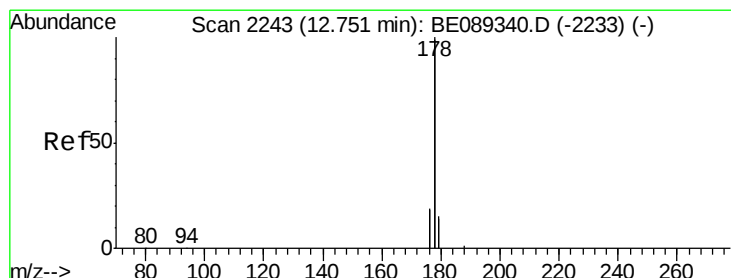
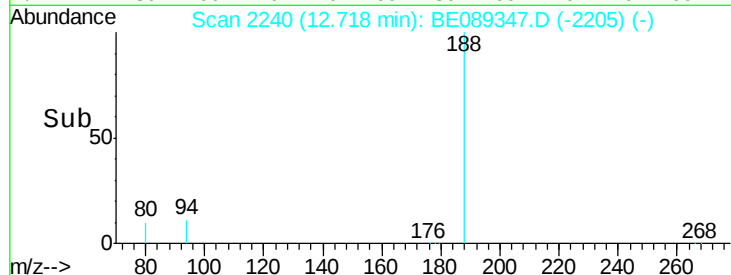
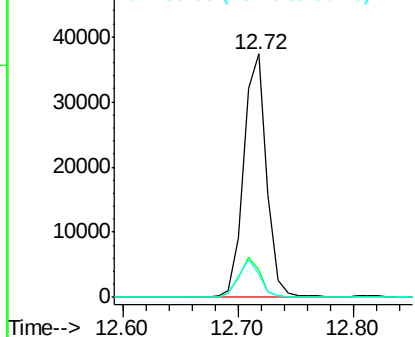
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#12

Phenanthrene

Concen: 0.13 ng

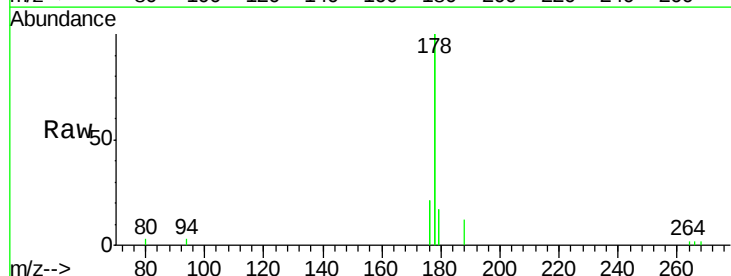
RT: 12.75 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

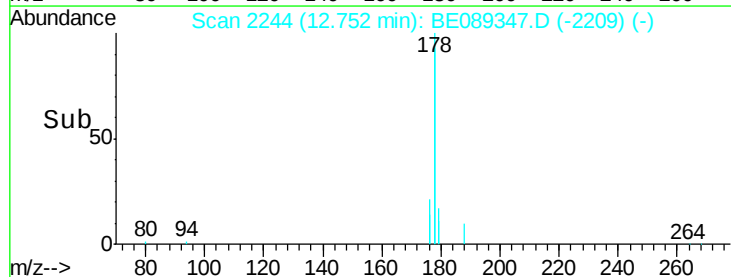
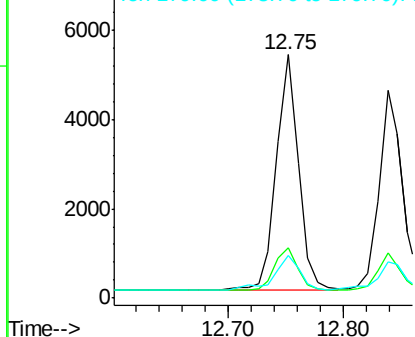
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.1	22.7
179	17.4	12.2	18.2

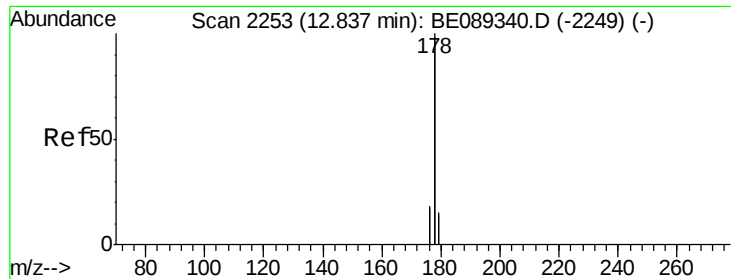


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.13 ng

RT: 12.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BE089347.D

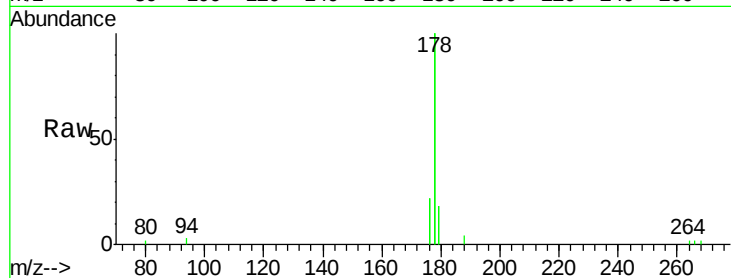
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER2015-02



Tgt Ion:178 Resp: 6472

Ion Ratio Lower Upper

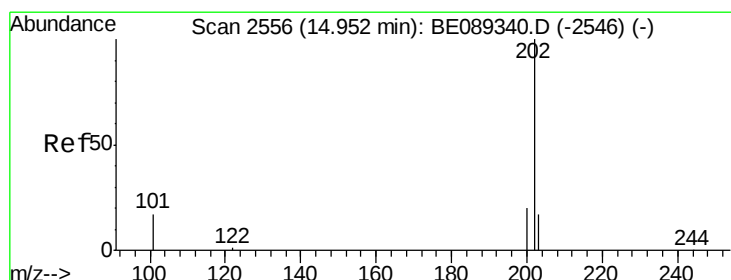
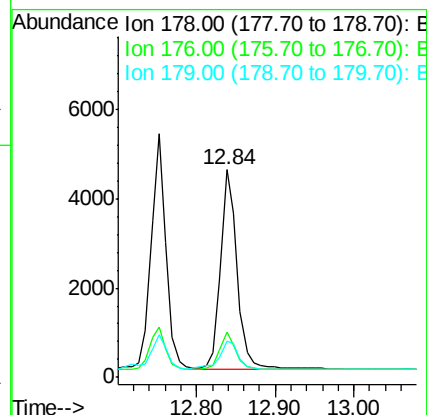
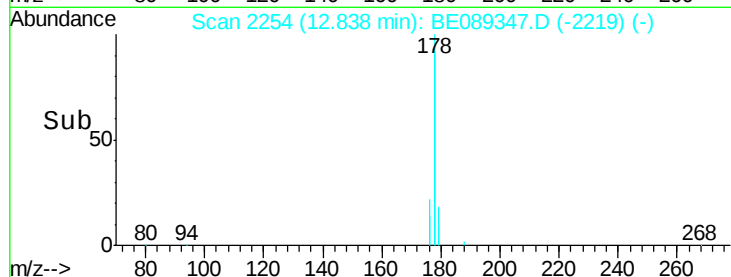
178 100

176 21.7 14.7 22.1

179 17.7 12.0 18.0

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#14

Fluoranthene

Concen: 0.13 ng

RT: 14.96 min Scan# 2558

Delta R.T. 0.01 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

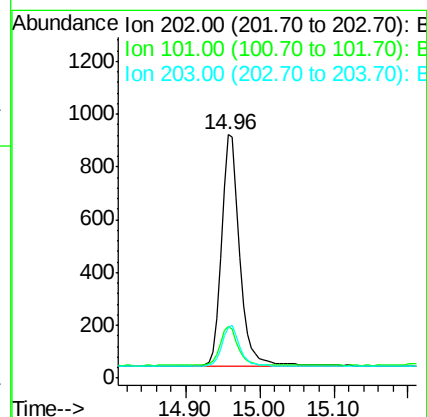
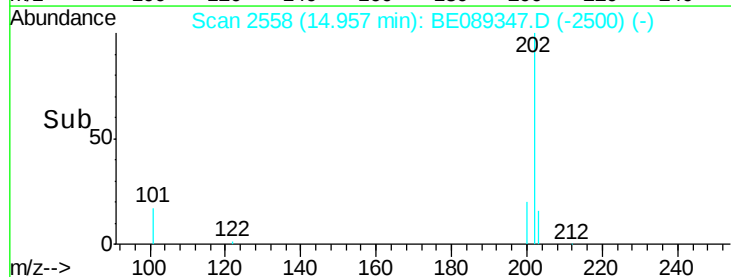
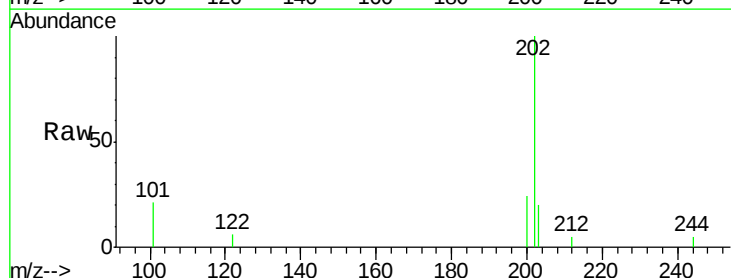
Tgt Ion:202 Resp: 1526

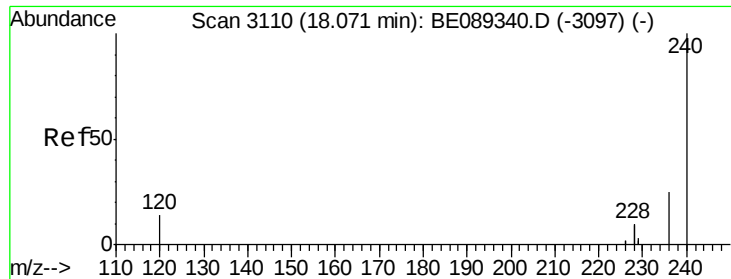
Ion Ratio Lower Upper

202 100

101 21.0 0.0 37.9

203 20.5 0.0 37.5





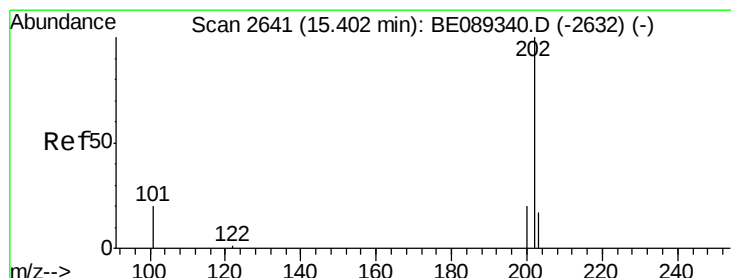
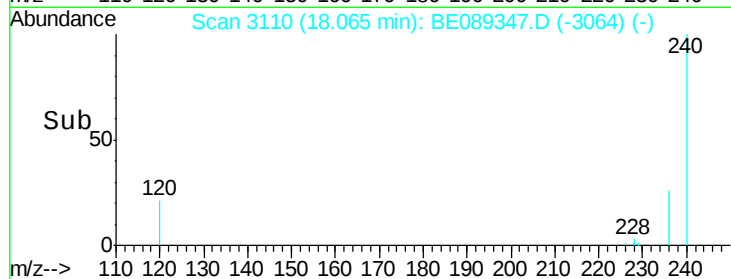
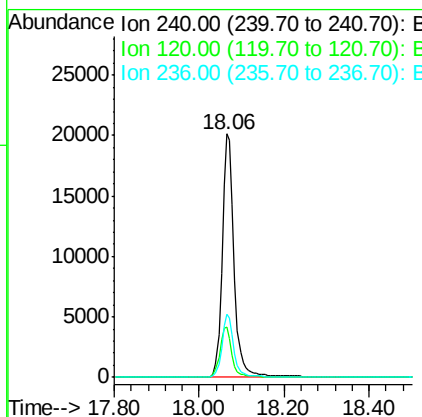
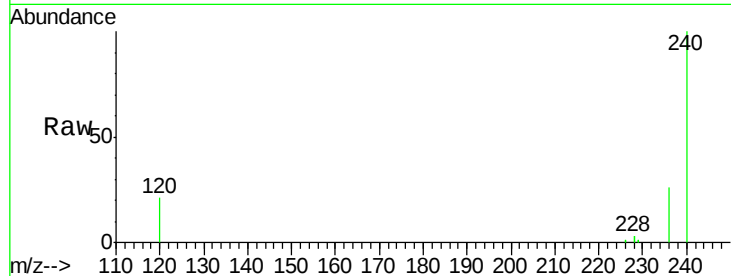
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.06 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	39203		
120	20.7	11.8	17.6#	
236	25.7	20.0	30.0	

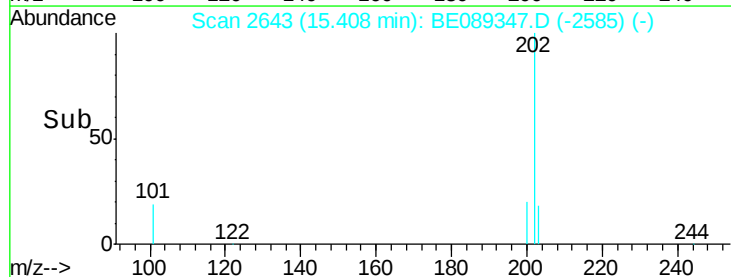
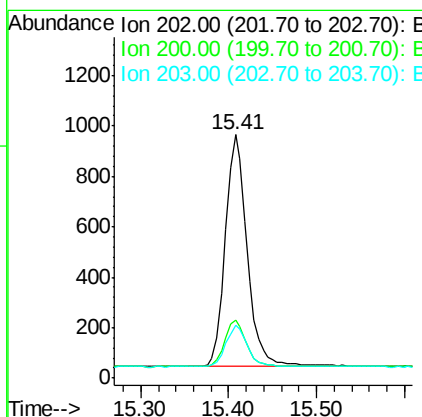
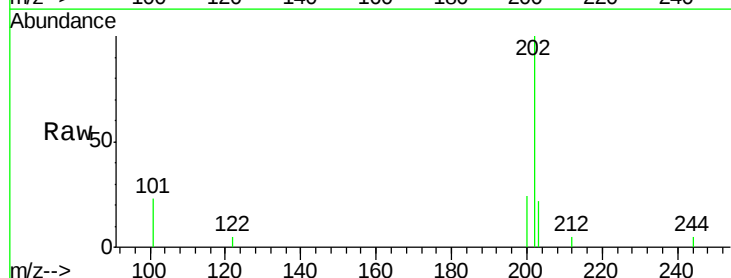
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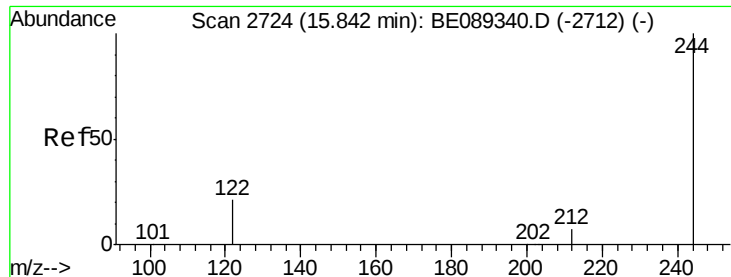
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#16
Pyrene
Concen: 0.12 ng
RT: 15.41 min Scan# 2643
Delta R.T. 0.01 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1583		
200	23.6	16.8	25.2	
203	21.6	14.0	21.0#	





#17

Terphenyl-d14

Concen: 6.44 ng

RT: 15.85 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BE089347.D

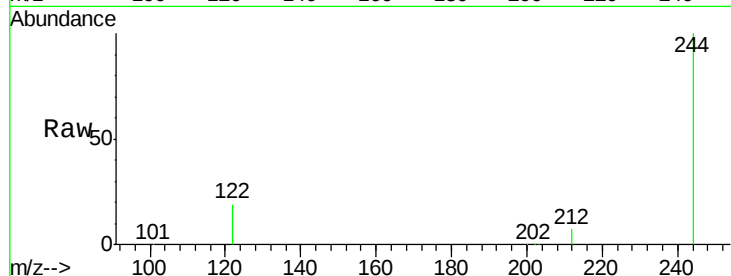
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

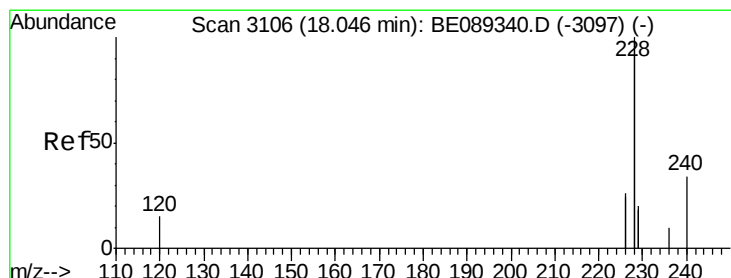
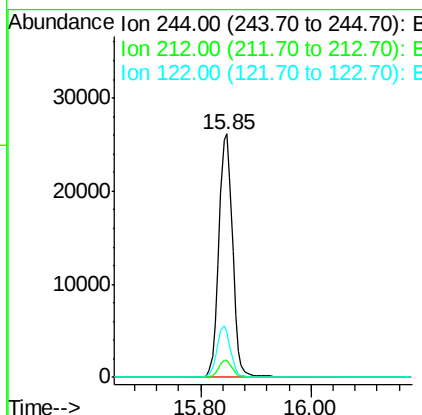
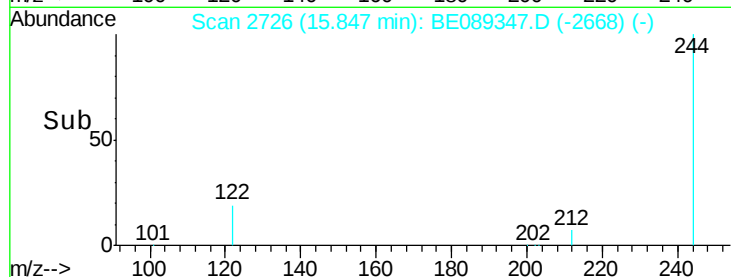
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Tgt Ion:	244	Resp:	44666
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.3	9.5
122	18.8	17.7	26.5

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#18

Benzo(a)anthracene

Concen: 0.14 ng

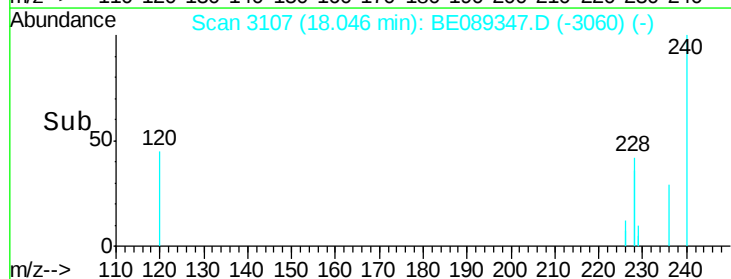
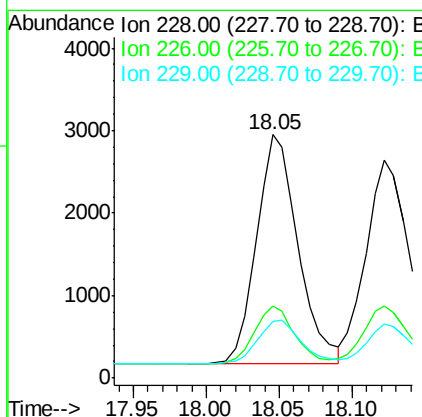
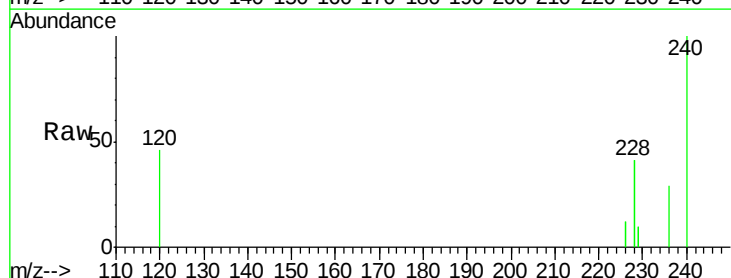
RT: 18.05 min Scan# 3107

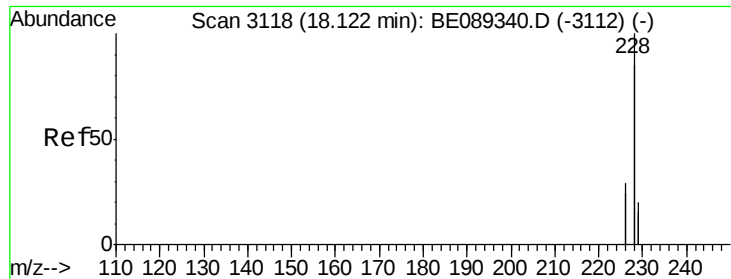
Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Tgt Ion:	228	Resp:	5460
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.0	31.6
229	23.5	16.0	24.0





#19

Chrysene

Concen: 0.14 ng m

RT: 18.12 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089347.D

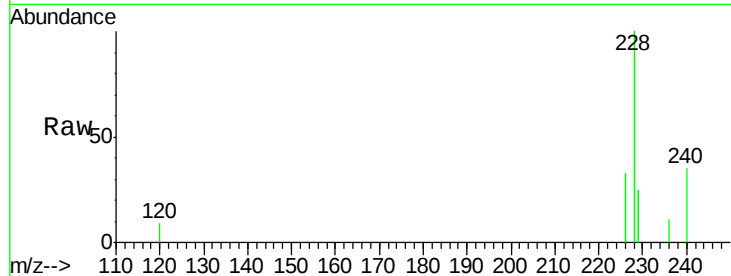
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

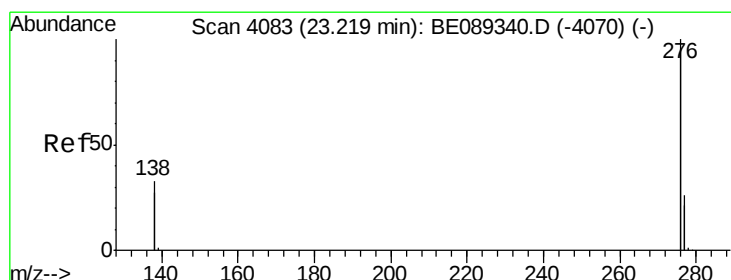
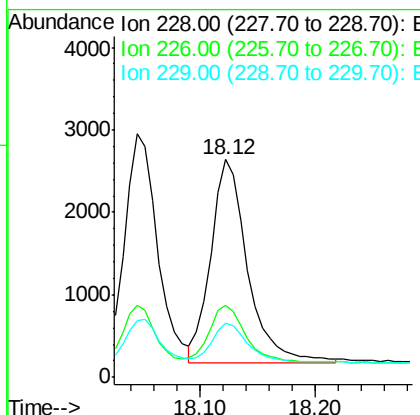
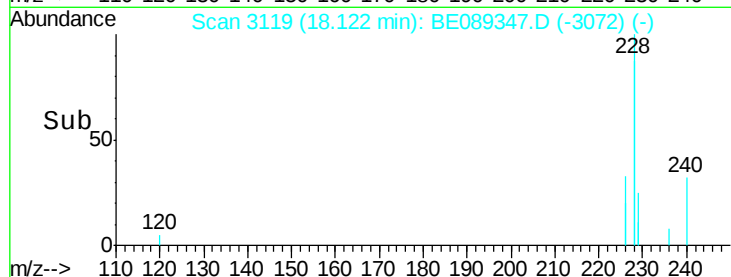
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Tgt Ion:	228	Resp:	5487
Ion Ratio	Lower	Upper	
228	100		
226	33.3	23.5	35.3
229	24.6	16.1	24.1#

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#20

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng

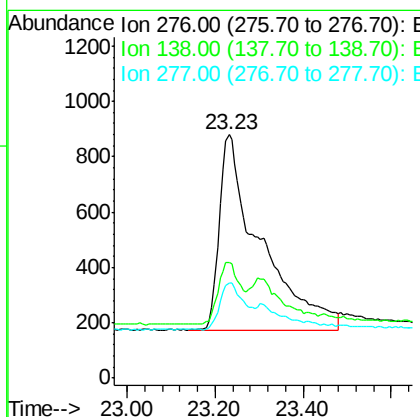
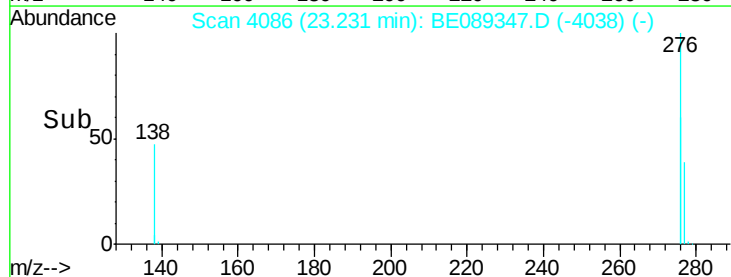
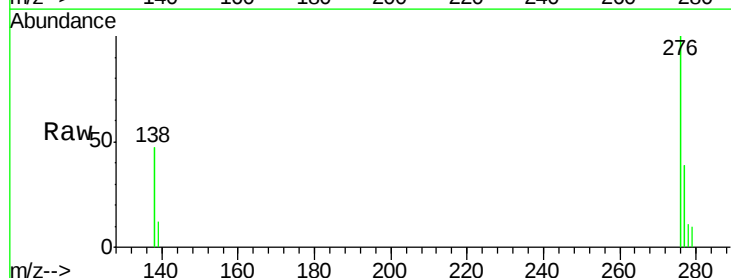
RT: 23.23 min Scan# 4086

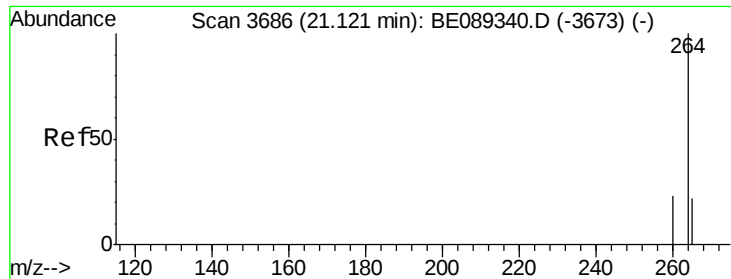
Delta R.T. 0.01 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

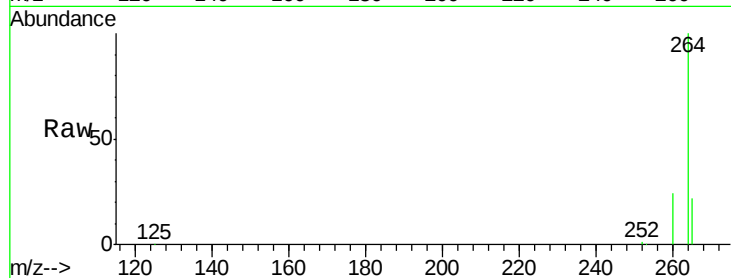
Tgt Ion:	276	Resp:	4594
Ion Ratio	Lower	Upper	
276	100		
138	17.0	23.8	35.8#
277	14.5	18.2	27.4#





#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

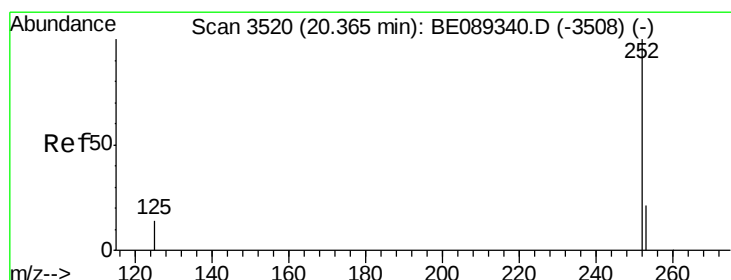
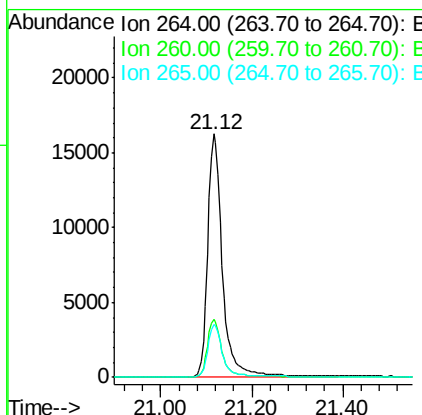
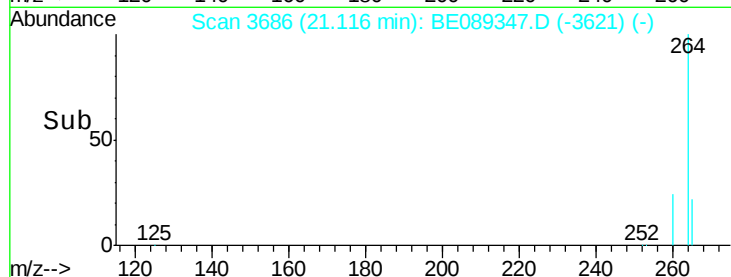
Instrument :
BNA_E
ClientSampleId :
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Tgt Ion: 264 Resp: 36028
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 21.8 17.4 26.2

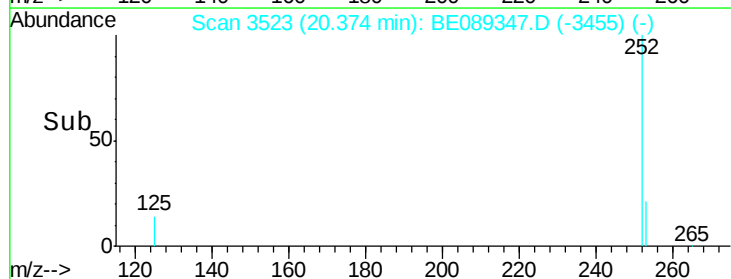
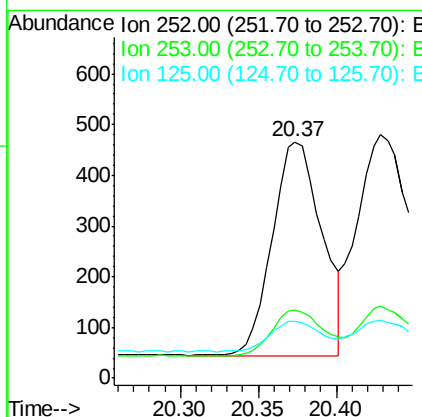
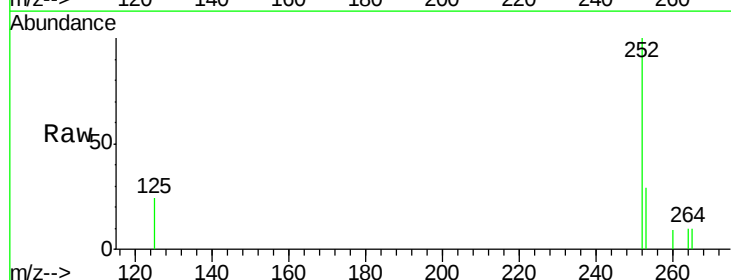
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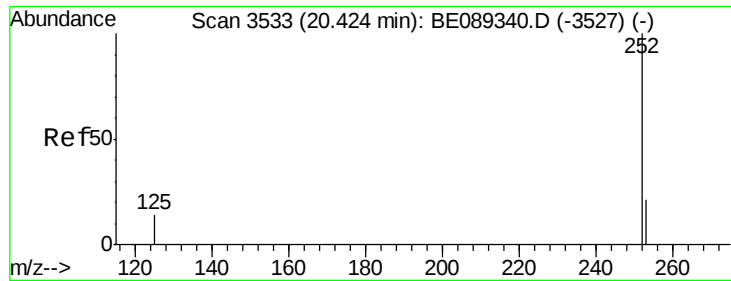
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#22
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 20.37 min Scan# 3523
Delta R.T. 0.01 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

Tgt Ion: 252 Resp: 928
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.6#
125 24.2 12.6 18.8#





#23

Benzo(k)fluoranthene

Concen: 0.14 ng

RT: 20.43 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089347.D

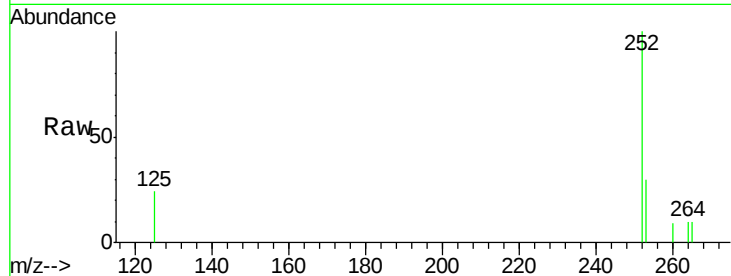
Acq: 8 Jan 2015 1:58

Instrument :

BNA_E

ClientSampleId :

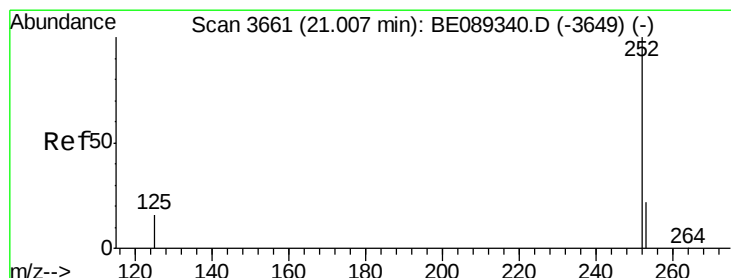
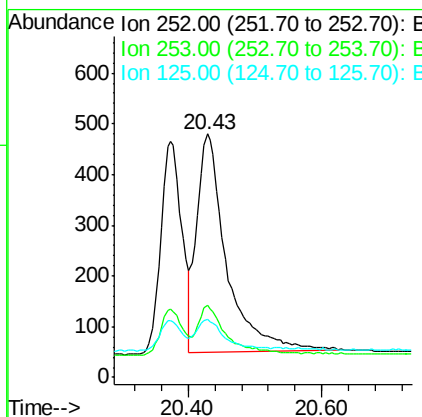
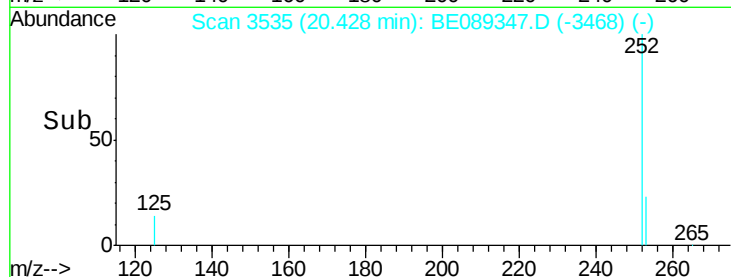
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.0	27.0#
125	24.0	12.4	18.6#

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#24

Benzo(a)pyrene

Concen: 0.13 ng

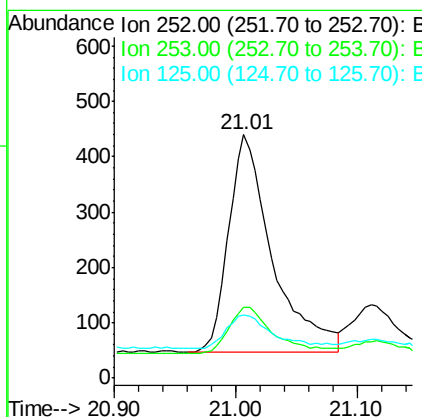
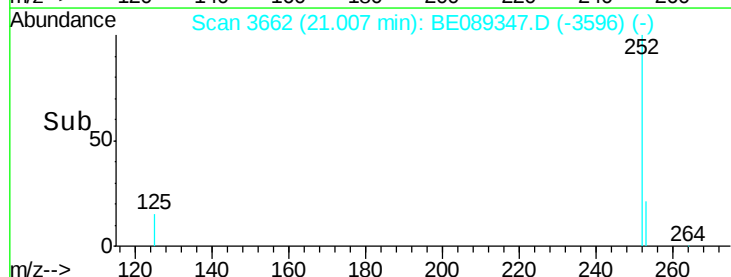
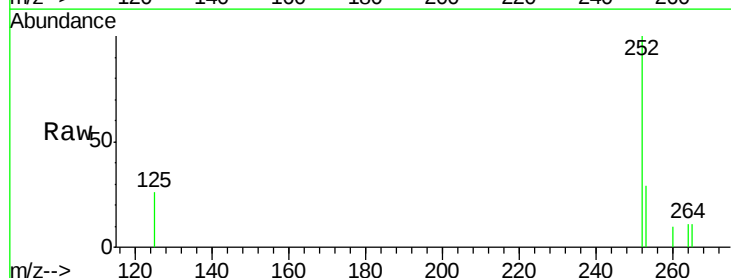
RT: 21.01 min Scan# 3662

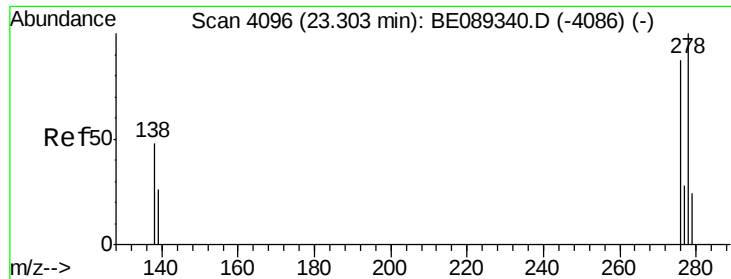
Delta R.T. -0.00 min

Lab File: BE089347.D

Acq: 8 Jan 2015 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.3	27.5#
125	26.1	13.8	20.8#





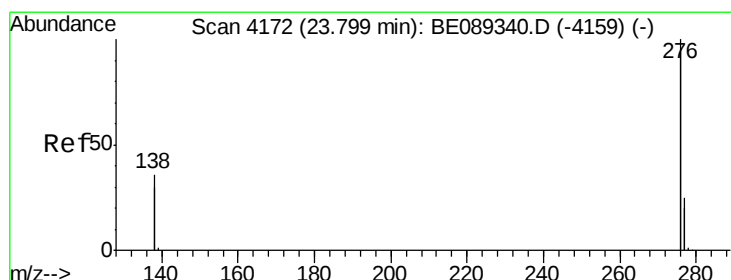
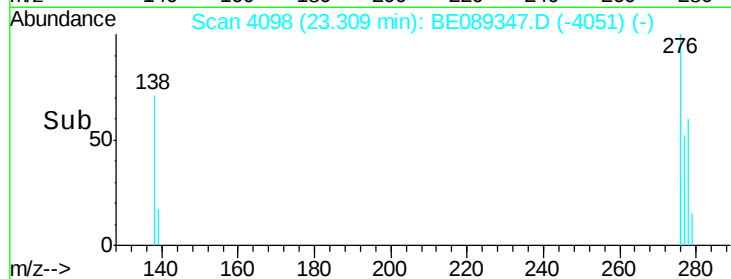
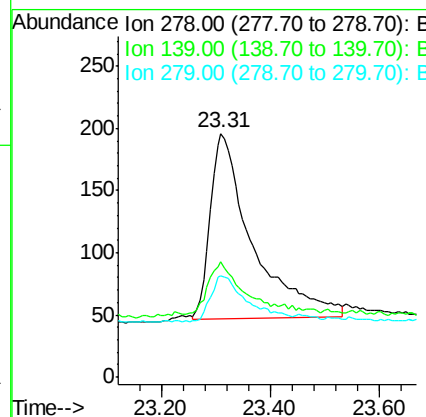
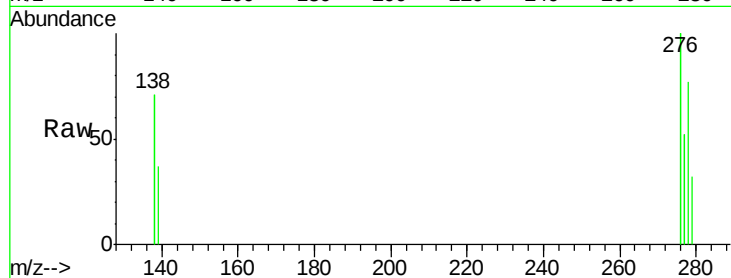
#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 23.31 min Scan# 4098
Delta R.T. 0.01 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.4	22.9	34.3#
279	41.8	20.8	31.2#

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#26
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 23.82 min Scan# 4176
Delta R.T. 0.02 min
Lab File: BE089347.D
Acq: 8 Jan 2015 1:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.0	20.0	30.0#
138	47.2	28.5	42.7#

