

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089356.D
 Acq On : 8 Jan 2015 9:40
 Operator : TP/IZ
 Sample : PB81206BSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BSD

Manual Integrations
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 1/9/2015 5:22:04 PM

Quant Time: Jan 08 15:57:04 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	16508	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	66546	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	33335	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	52679	5.00	ng	0.00
15) Chrysene-d12	18.07	240	30565	5.00	ng	0.00
21) Perylene-d12	21.12	264	30935	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.64	82	35588	7.69	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	62087	6.83	ng	0.00
17) Terphenyl-d14	15.85	244	42373	7.83	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	100307	6.69	ng	99
5) 2-Methylnaphthalene	9.39	142	63885	6.82	ng	96
8) Acenaphthylene	10.47	152	392202	6.88	ng	98
9) Acenaphthene	10.69	154	56965	6.41	ng	83
10) Fluorene	11.34	166	64182	6.74	ng	99
12) Phenanthrene	12.75	178	358096	6.51	ng	100
13) Anthracene	12.84	178	368065	6.94	ng	99
14) Fluoranthene	14.95	202	74352	6.12	ng	99
16) Pyrene	15.40	202	75318	7.51	ng	99
18) Benzo(a)anthracene	18.04	228	214390	6.92	ng	99
19) Chrysene	18.12	228	217959	7.01	ng	99
20) Indeno(1,2,3-cd)pyrene	23.21	276	246670m	8.29	ng	
22) Benzo(b)fluoranthene	20.36	252	49356	7.31	ng	98
23) Benzo(k)fluoranthene	20.42	252	60023	7.05	ng	98
24) Benzo(a)pyrene	21.00	252	54793	8.22	ng	97
25) Dibenzo(a,h)anthracene	23.30	278	47625	7.80	ng	95
26) Benzo(g,h,i)perylene	23.79	276	222319	7.23	ng	98

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

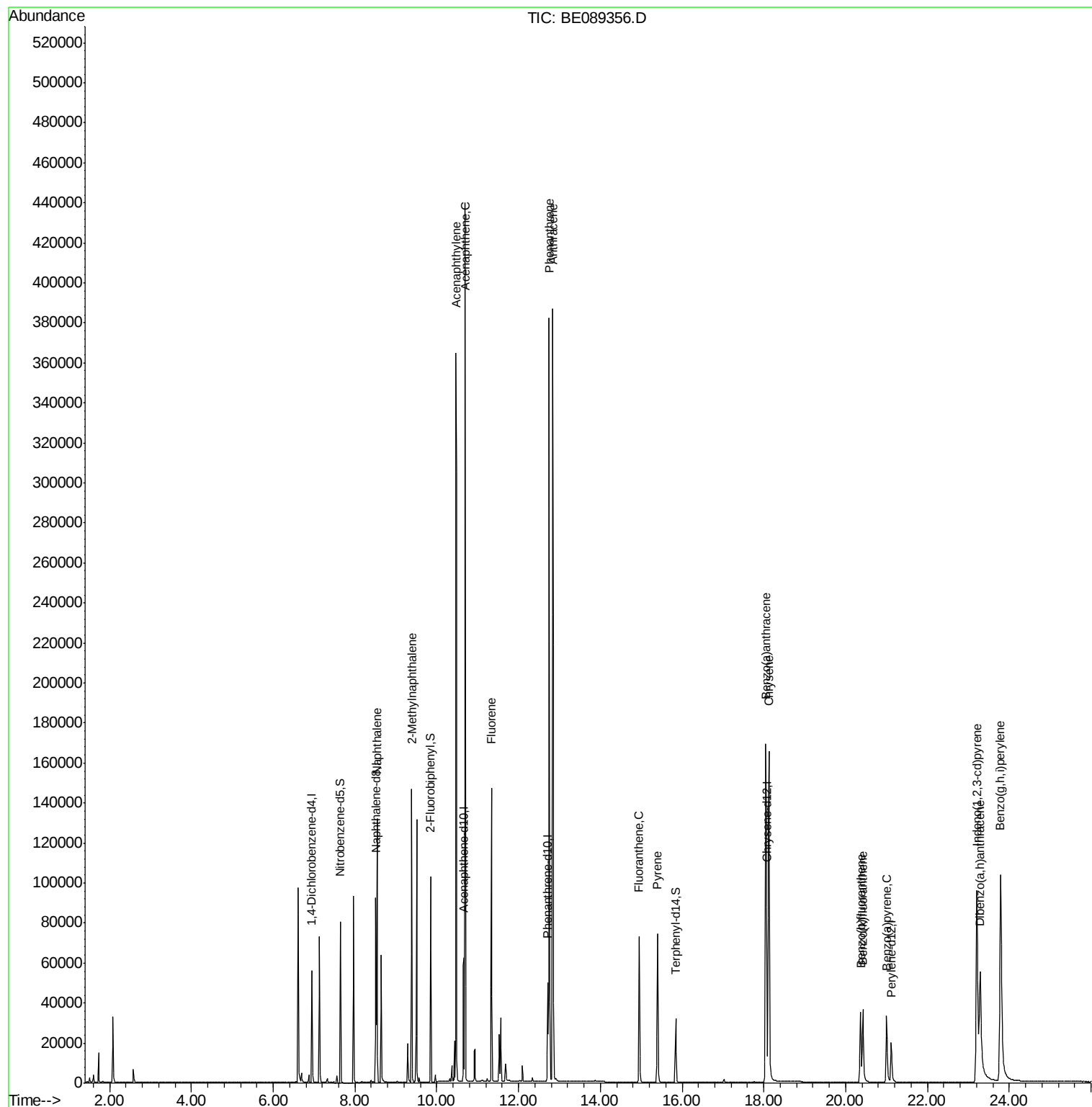
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
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ALS Vial : 29 Sample Multiplier: 1

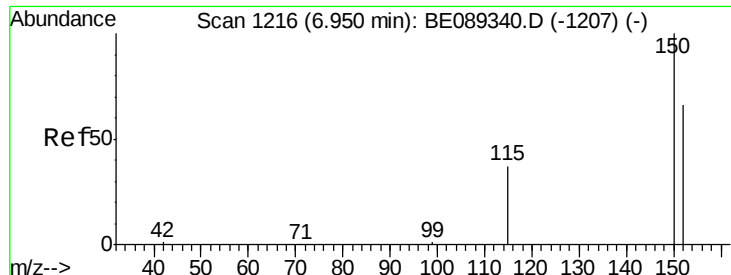
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089356.D

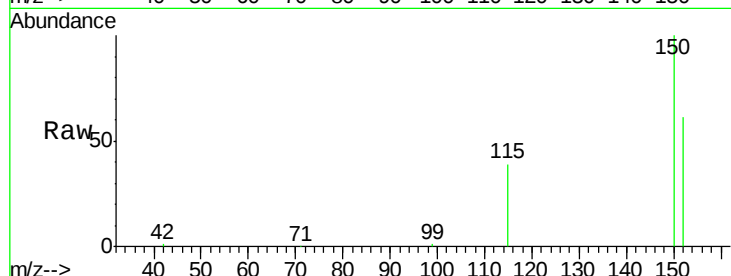
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

PB81206BSD



Tgt Ion:152 Resp: 16508

Ion Ratio Lower Upper

152 100

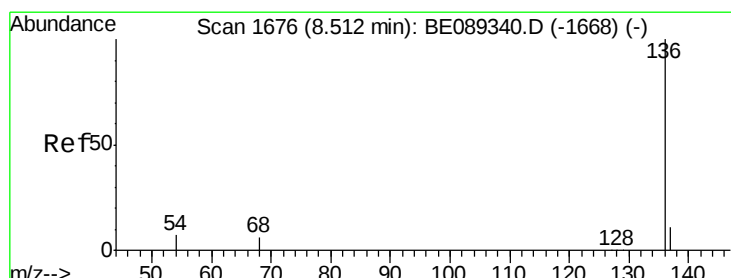
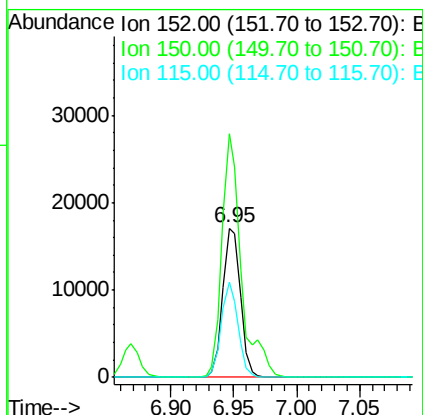
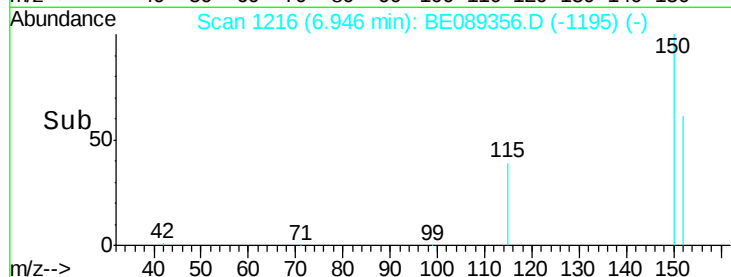
150 163.4 121.5 182.3

115 63.5 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: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion:136 Resp: 66546

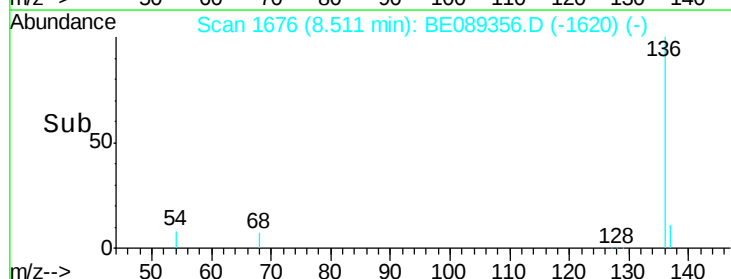
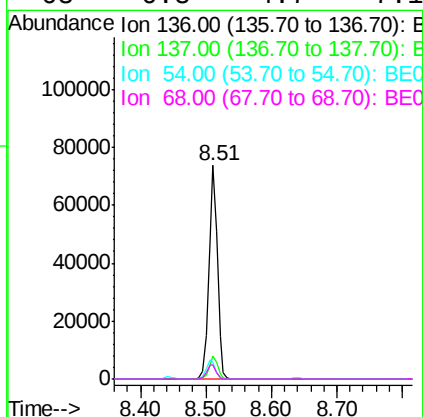
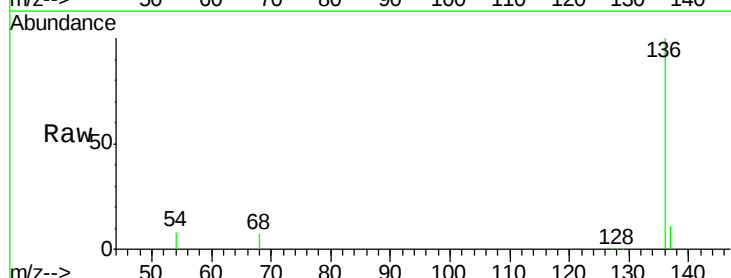
Ion Ratio Lower Upper

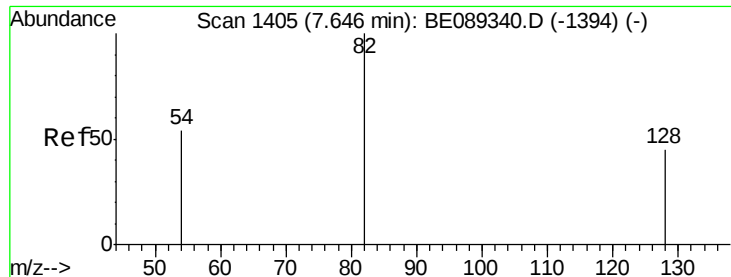
136 100

137 10.9 9.0 13.4

54 7.7 5.4 8.0

68 6.8 4.7 7.1





#3

Nitrobenzene-d5

Concen: 7.69 ng

RT: 7.64 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089356.D

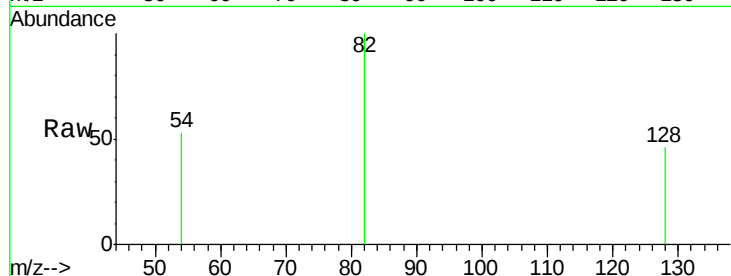
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

PB81206BSD



Tgt Ion: 82 Resp: 35588

Ion Ratio Lower Upper

82 100

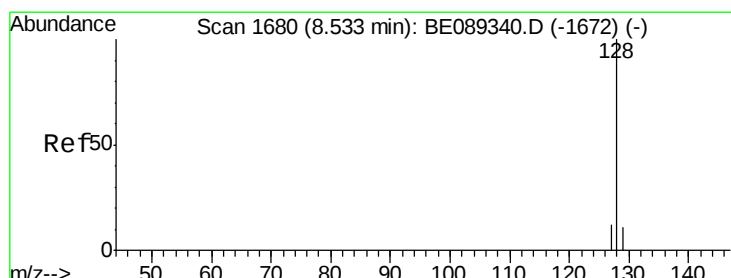
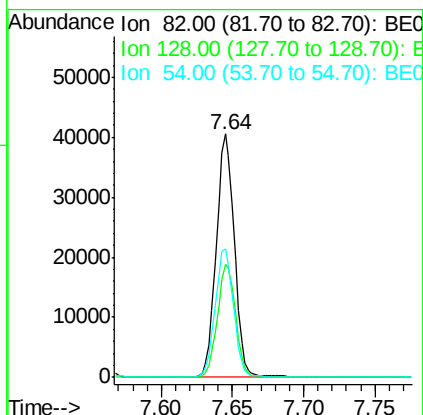
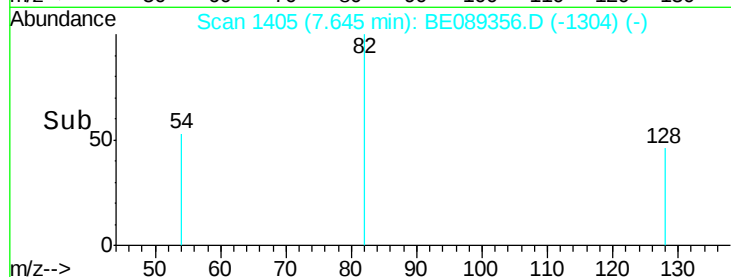
128 46.2 36.5 54.7

54 52.9 43.5 65.3

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#4

Naphthalene

Concen: 6.69 ng

RT: 8.54 min Scan# 1681

Delta R.T. 0.00 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

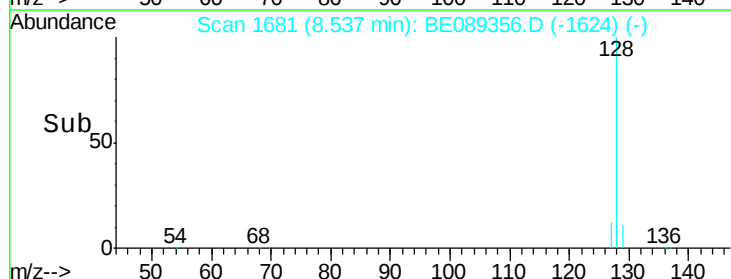
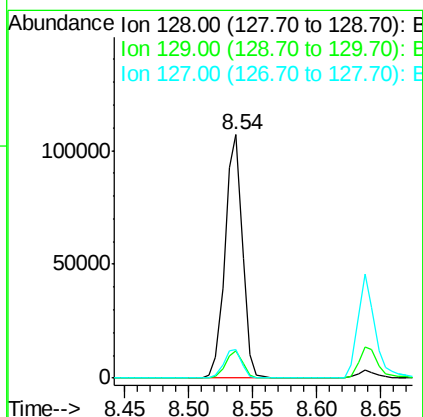
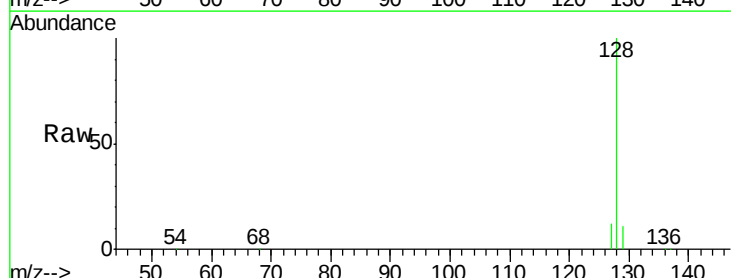
Tgt Ion: 128 Resp: 100307

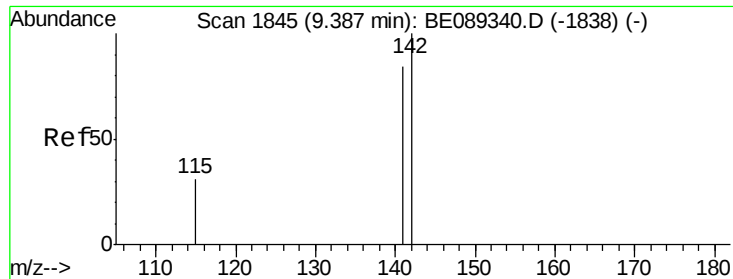
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 11.8 10.0 15.0





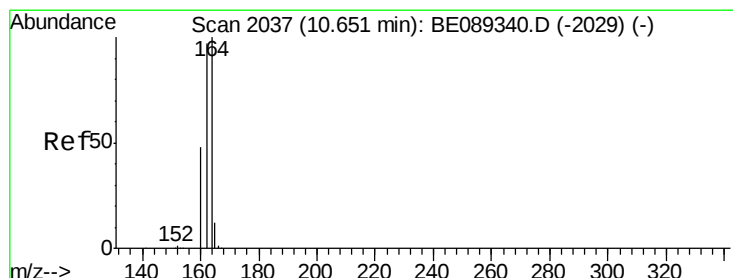
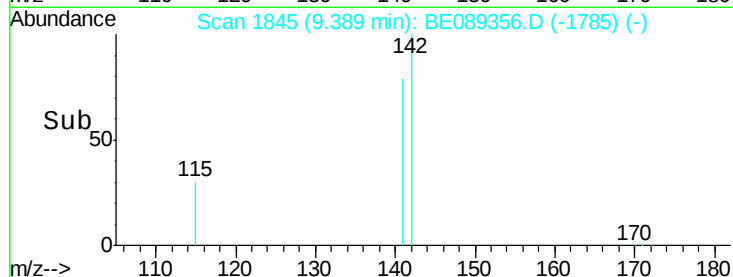
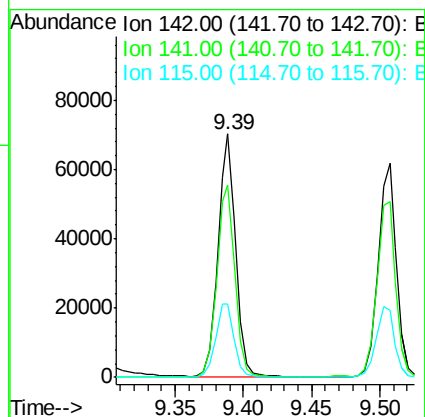
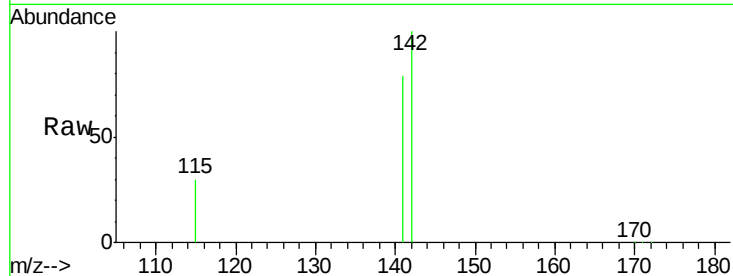
#5
2-Methylnaphthalene
Concen: 6.82 ng
RT: 9.39 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Instrument :
BNA_E
ClientSampleId :
PB81206BSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	63885		
141	79.3	66.3	99.5	
115	29.9	25.2	37.8	

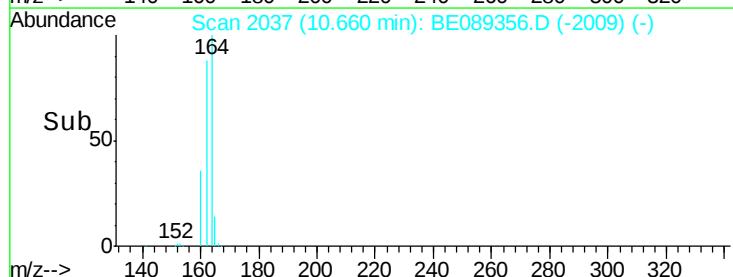
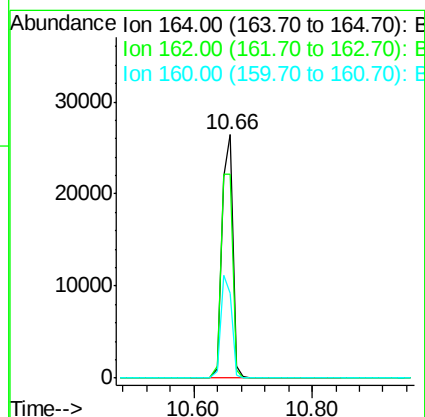
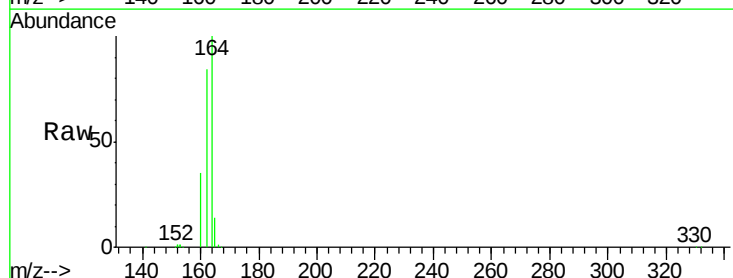
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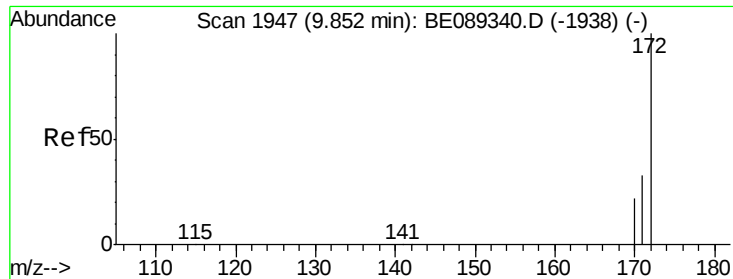
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#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33335		
162	84.0	77.4	116.2	
160	34.7	38.2	57.4#	





#7

2-Fluorobiphenyl

Concen: 6.83 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089356.D

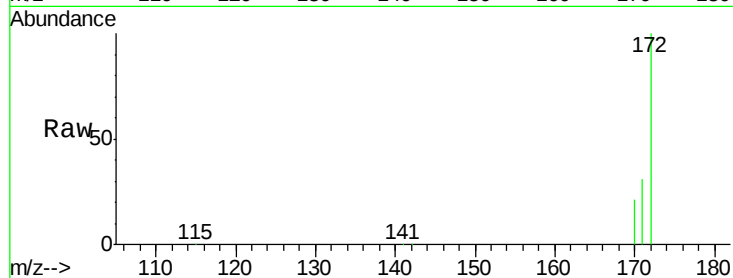
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

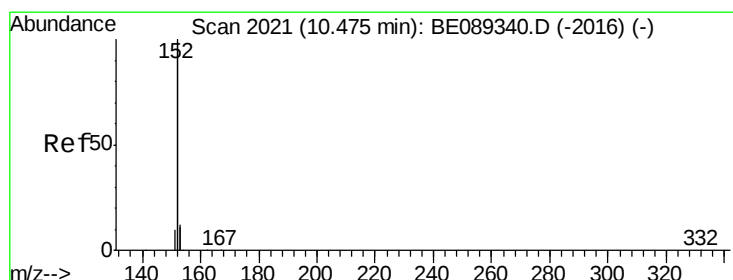
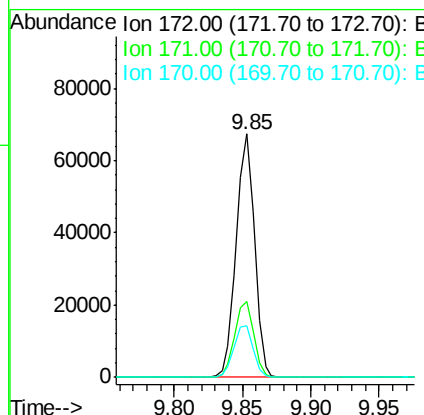
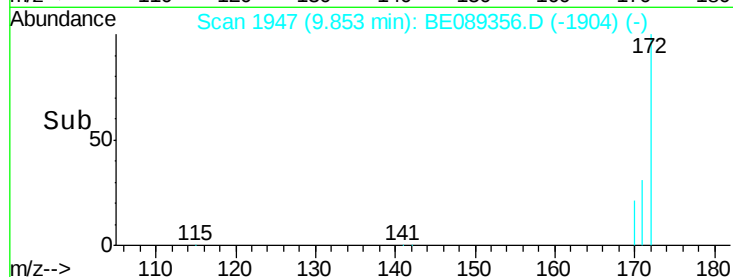
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Tgt Ion:	172	Resp:	62087
Ion Ratio	Lower	Upper	
172	100		
171	31.5	26.4	39.6
170	21.0	18.0	27.0

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#8

Acenaphthylene

Concen: 6.88 ng

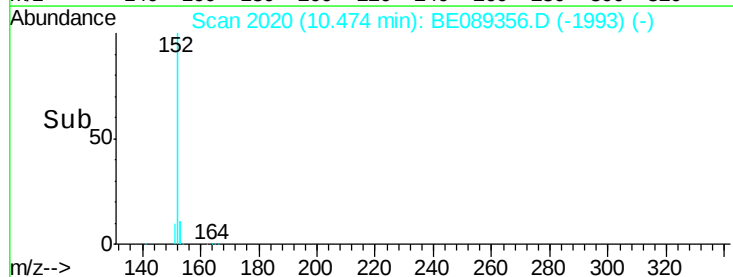
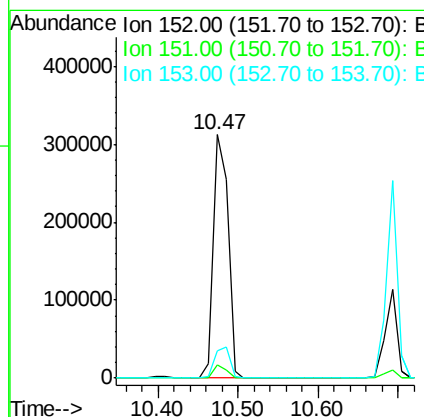
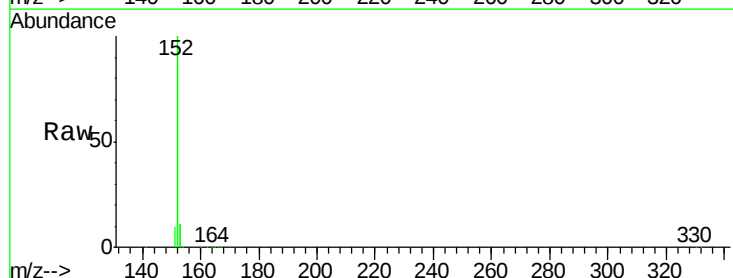
RT: 10.47 min Scan# 2020

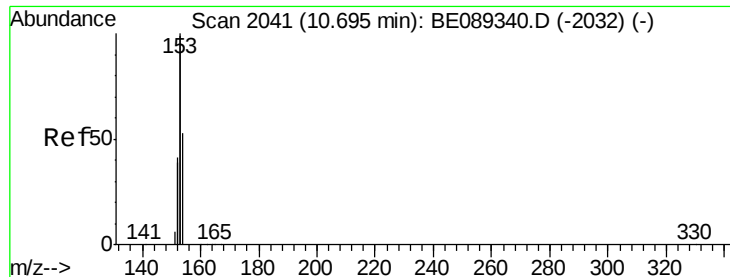
Delta R.T. -0.00 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion:	152	Resp:	392202
Ion Ratio	Lower	Upper	
152	100		
151	5.2	4.1	6.1
153	11.4	9.8	14.6





#9

Acenaphthene

Concen: 6.41 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089356.D

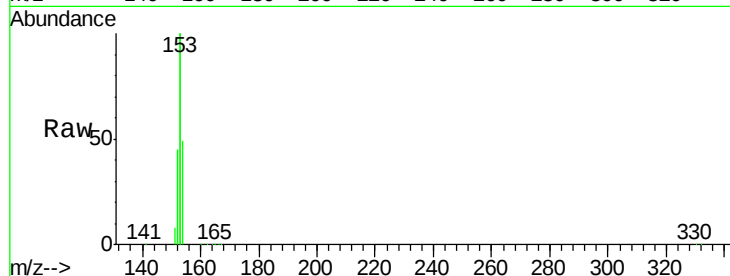
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

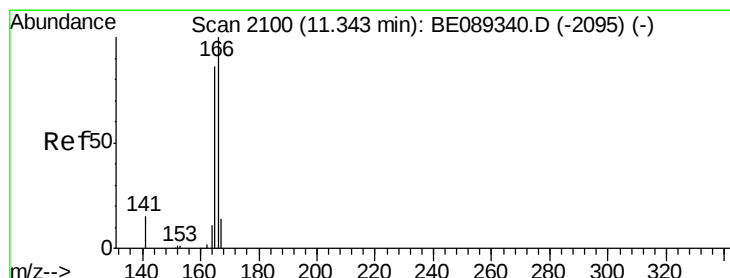
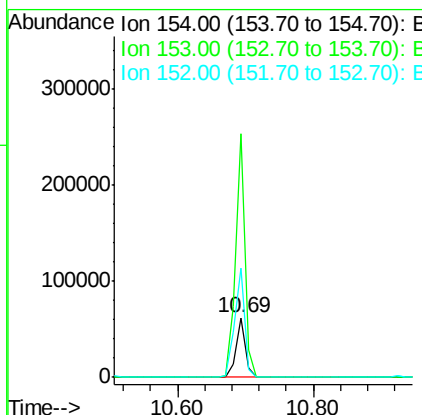
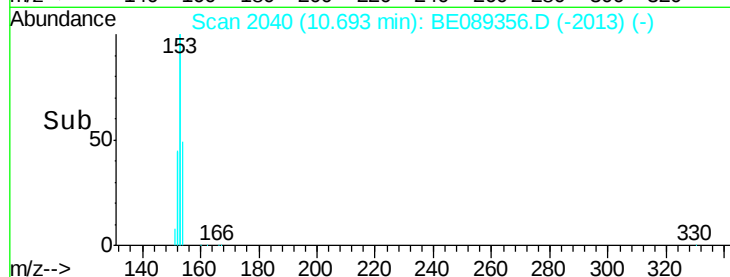
PB81206BSD



Tgt Ion:	154	Resp:	56965
Ion Ratio	Lower	Upper	
154	100		
153	408.9	300.6	450.8
152	183.5	123.3	184.9

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#10

Fluorene

Concen: 6.74 ng

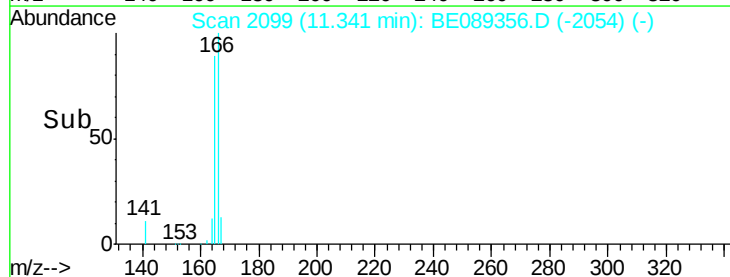
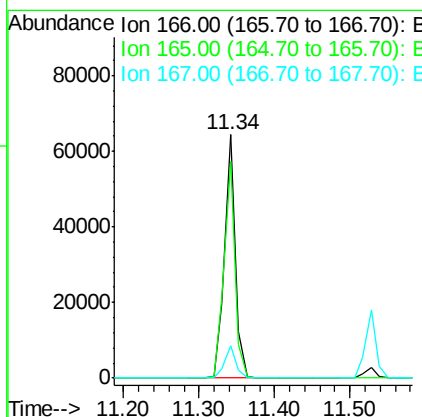
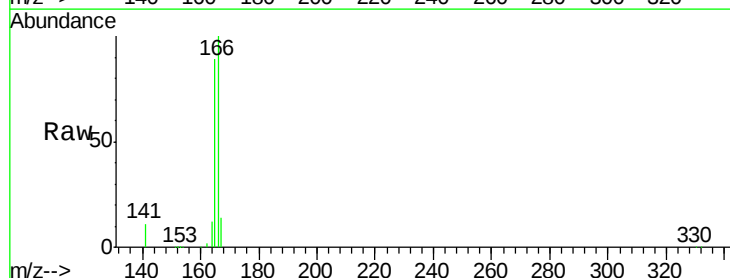
RT: 11.34 min Scan# 2099

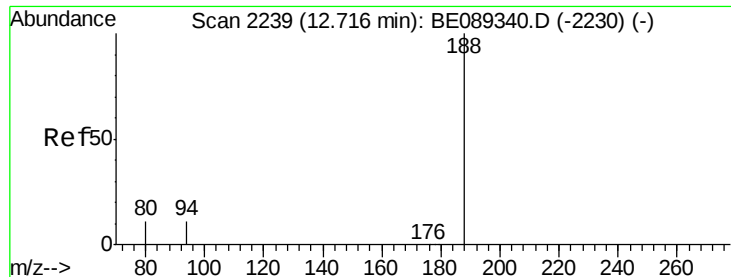
Delta R.T. -0.00 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion:	166	Resp:	64182
Ion Ratio	Lower	Upper	
166	100		
165	90.6	72.1	108.1
167	13.6	11.0	16.4





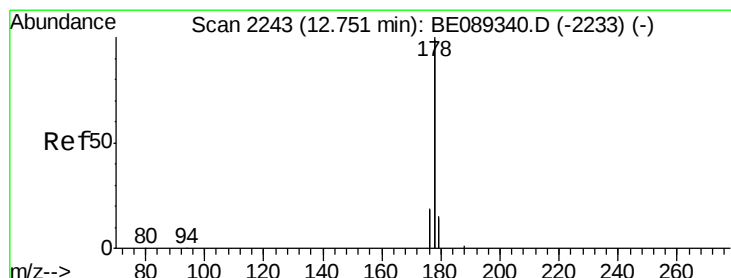
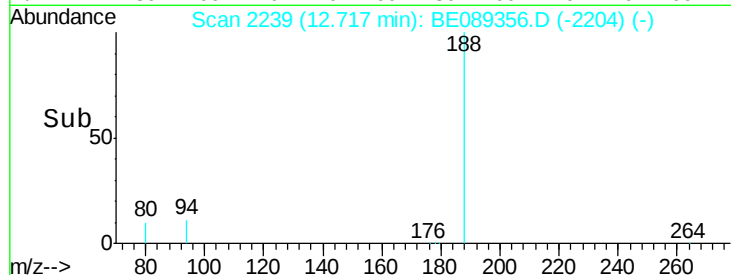
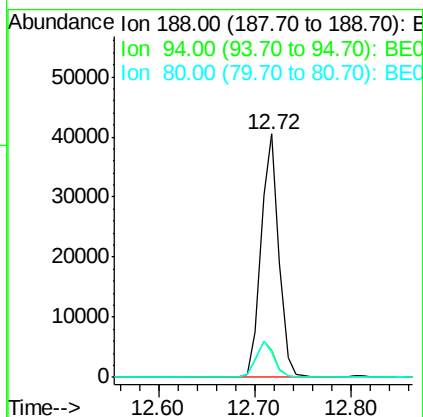
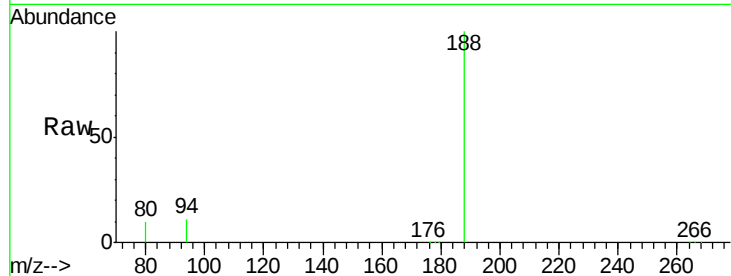
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Instrument :
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ClientSampleId :
PB81206BSD

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	11.0	12.2
80	10.1	10.1	11.1

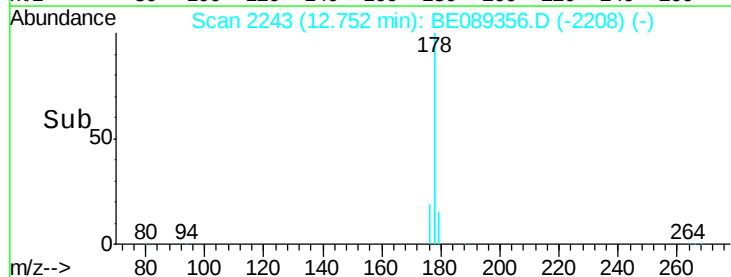
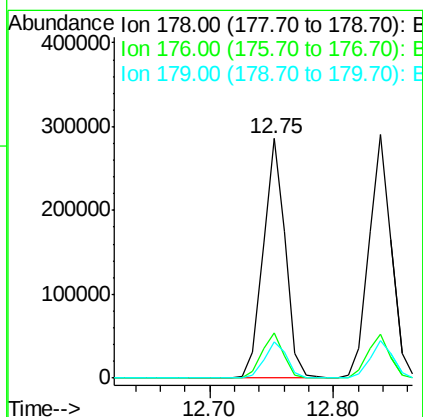
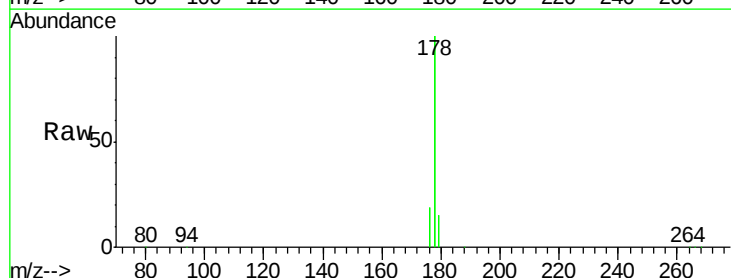
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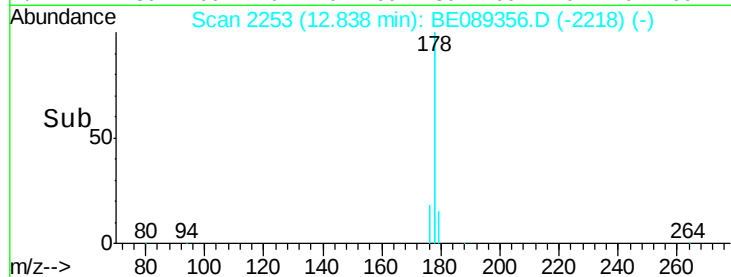
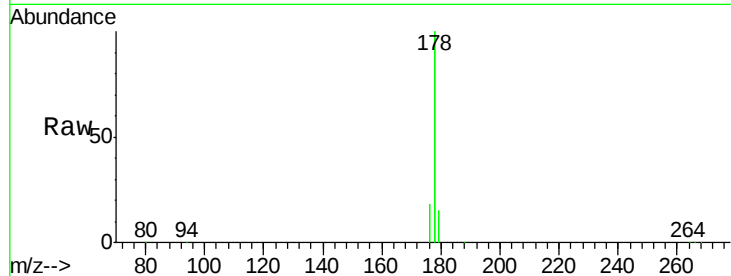
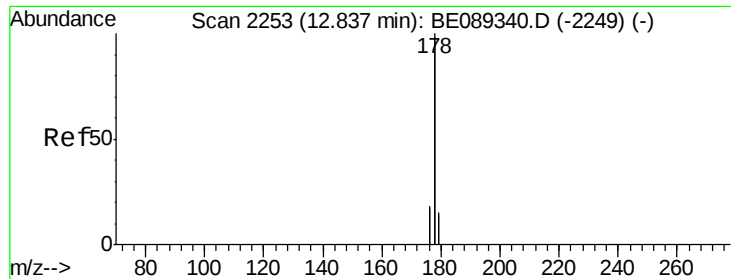
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#12
Phenanthrene
Concen: 6.51 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.1	12.2	18.2





#13

Anthracene

Concen: 6.94 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion:	178	Resp:	368065
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.7	22.1
179	15.2	12.0	18.0

Instrument :

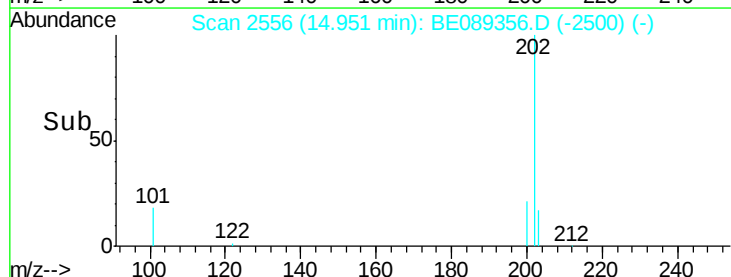
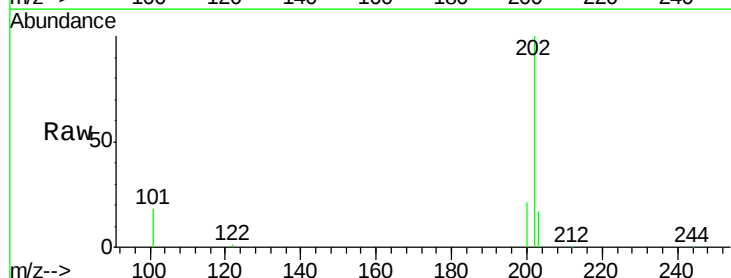
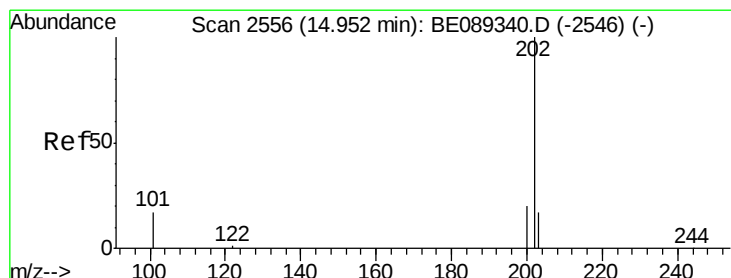
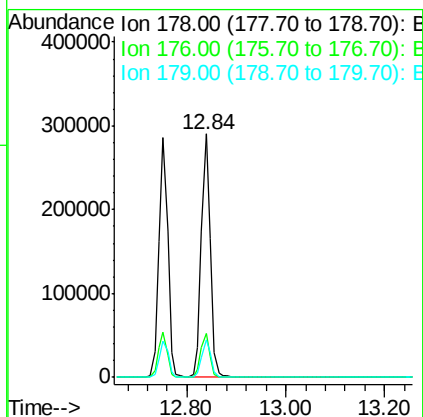
BNA_E

ClientSampleId :

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#14

Fluoranthene

Concen: 6.12 ng

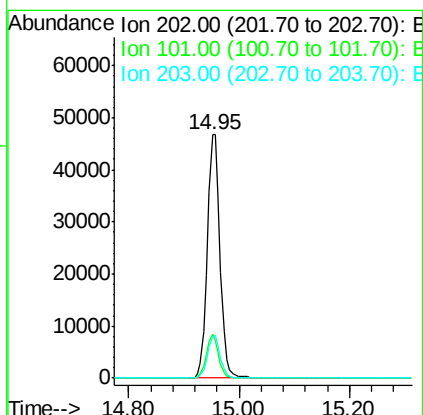
RT: 14.95 min Scan# 2556

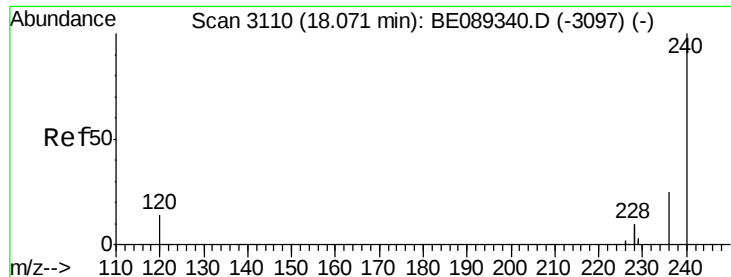
Delta R.T. -0.00 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion:	202	Resp:	74352
Ion Ratio	Lower	Upper	
202	100		
101	17.9	0.0	37.9
203	17.1	0.0	37.5





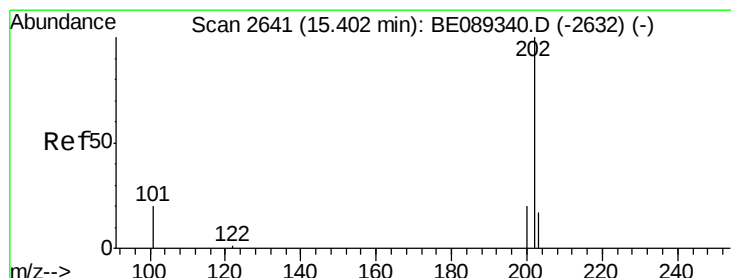
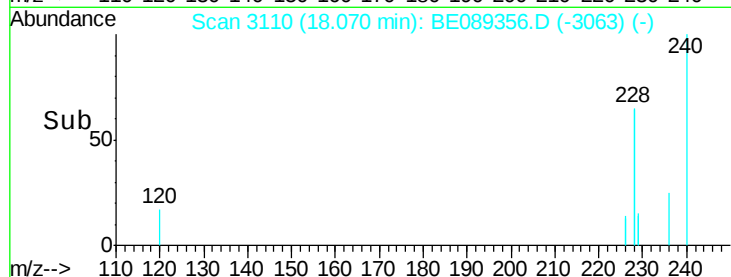
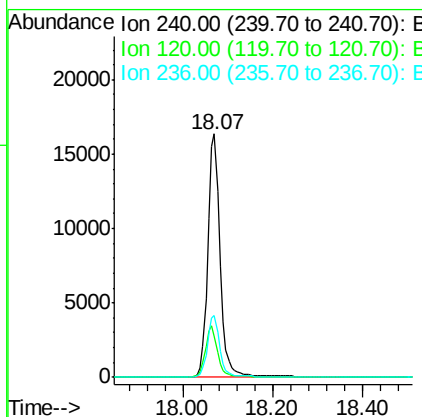
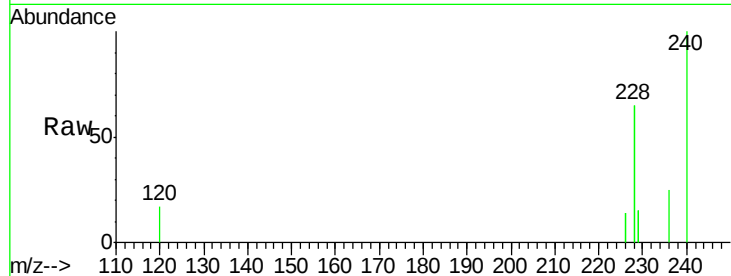
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Instrument :
BNA_E
ClientSampleId :
PB81206BSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	30565		
120	16.8	11.8	17.6	
236	25.4	20.0	30.0	

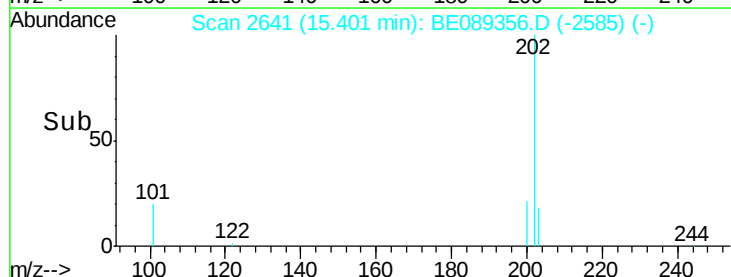
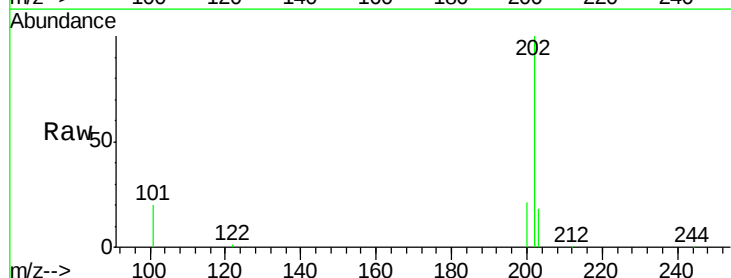
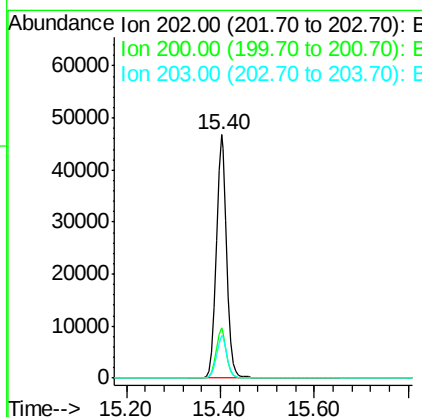
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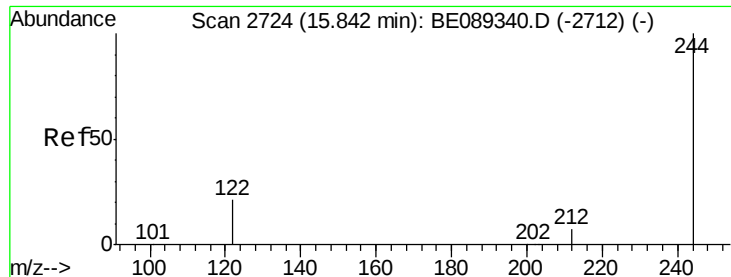
TEJASKUMAR
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#16
Pyrene
Concen: 7.51 ng
RT: 15.40 min Scan# 2641
Delta R.T. -0.00 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	75318		
200	20.7	16.8	25.2	
203	17.8	14.0	21.0	





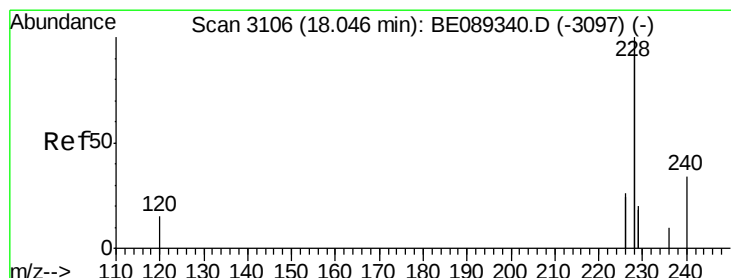
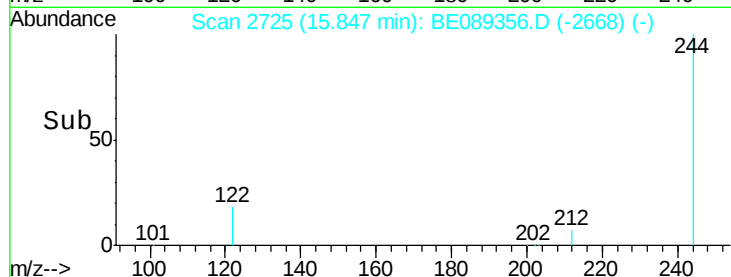
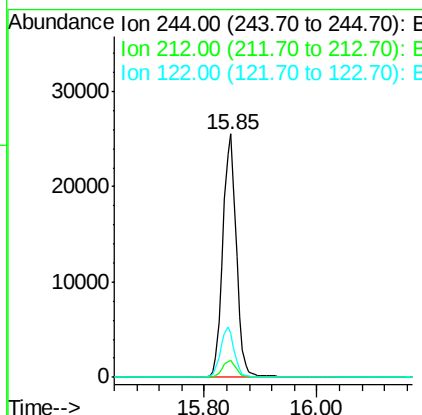
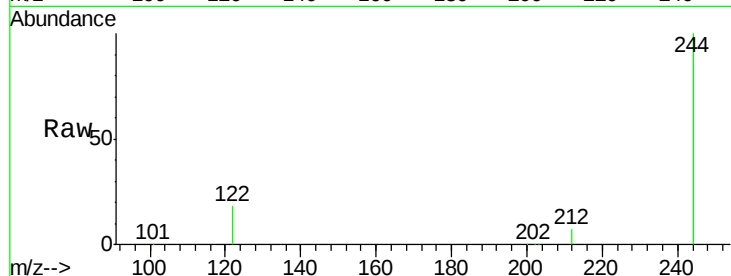
#17
 Terphenyl-d14
 Concen: 7.83 ng
 RT: 15.85 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: BE089356.D
 Acq: 8 Jan 2015 9:40

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	18.1	17.7	26.5

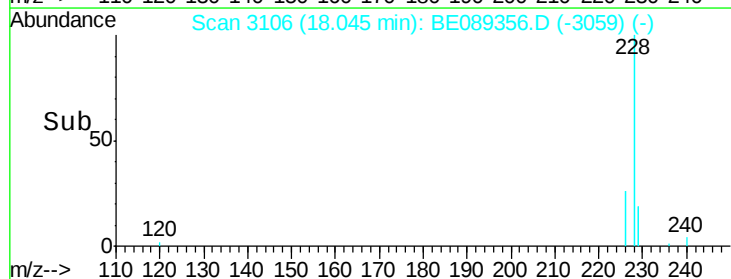
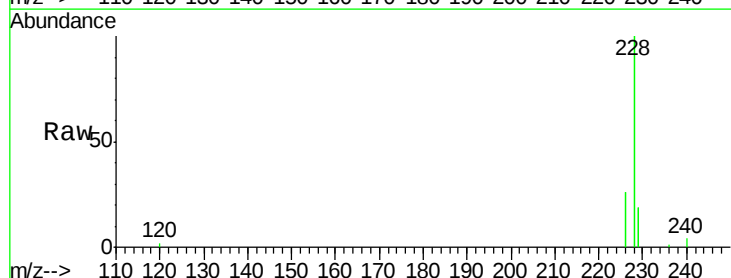
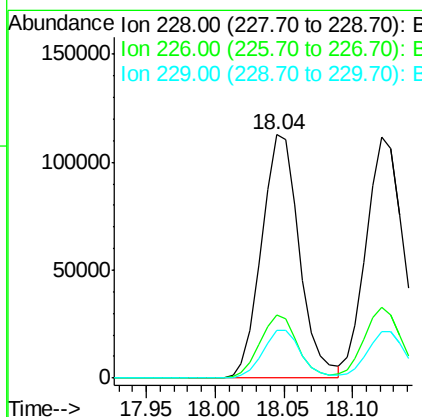
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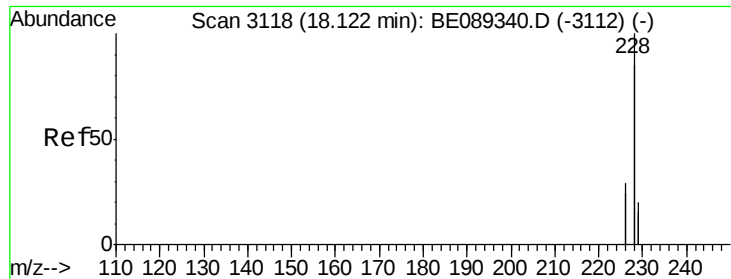
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#18
 Benzo(a)anthracene
 Concen: 6.92 ng
 RT: 18.04 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BE089356.D
 Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.6
229	19.4	16.0	24.0





#19

Chrysene

Concen: 7.01 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089356.D

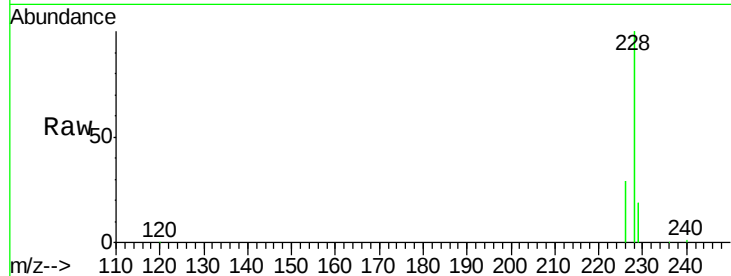
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

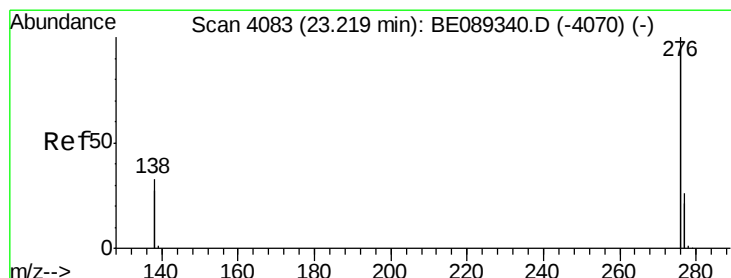
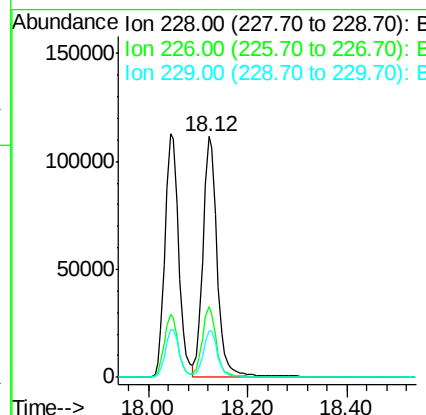
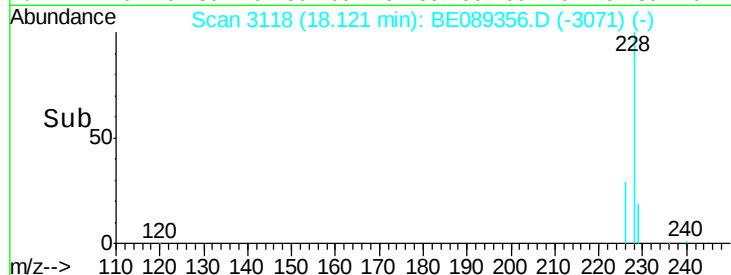
PB81206BSD



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	217959		
226	29.2	23.5	35.3	
229	19.3	16.1	24.1	

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#20

Indeno(1,2,3-cd)pyrene

Concen: 8.29 ng m

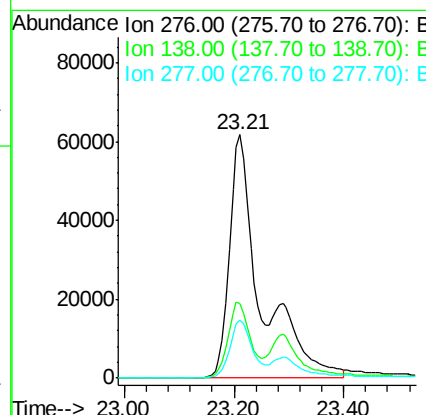
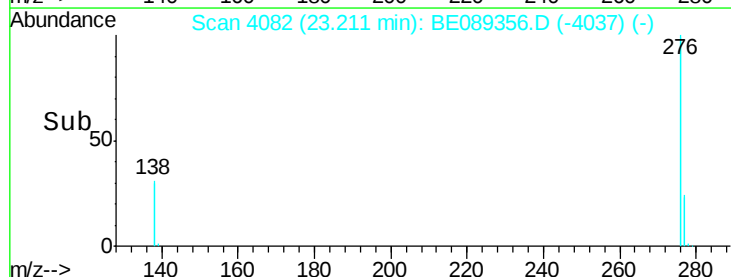
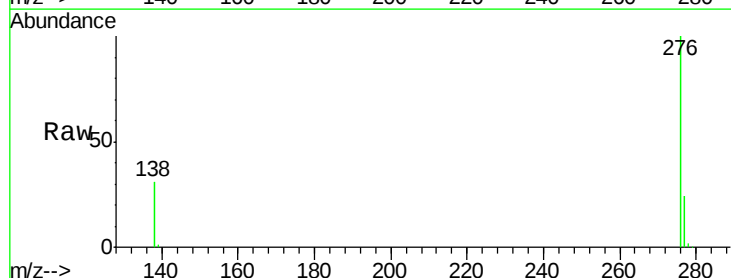
RT: 23.21 min Scan# 4082

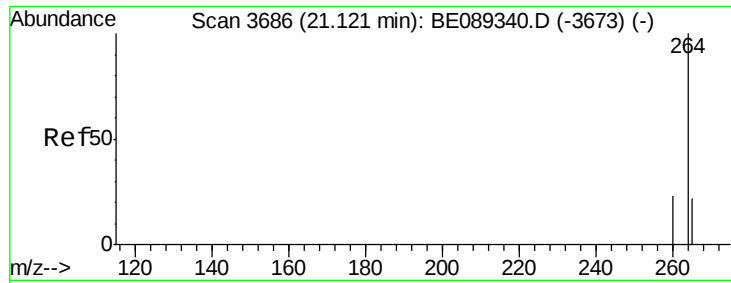
Delta R.T. -0.01 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	246670		
138	21.5	23.8	35.8#	
277	16.4	18.2	27.4#	





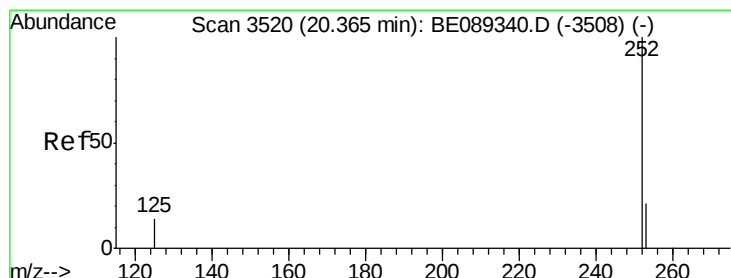
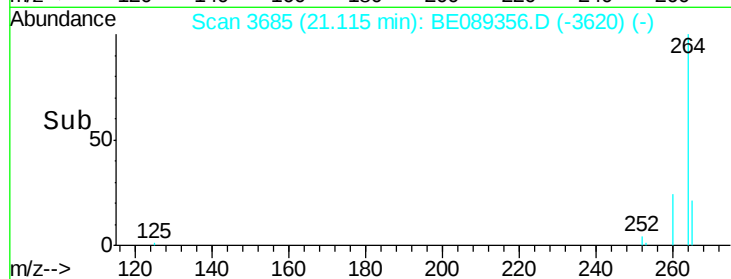
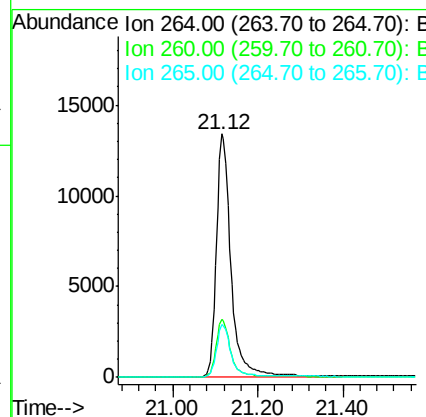
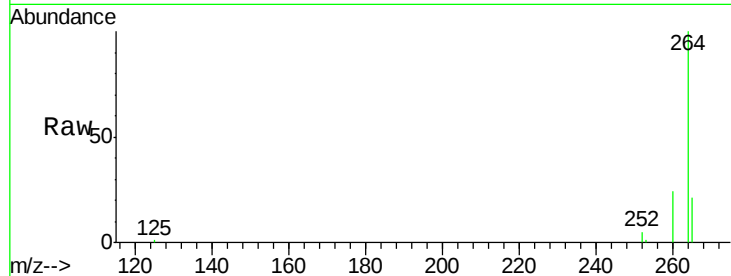
#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: BE089356.D
 Acq: 8 Jan 2015 9:40

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BSD

Tgt Ion:	264	Resp:	30935
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.9	28.3
265	21.5	17.4	26.2

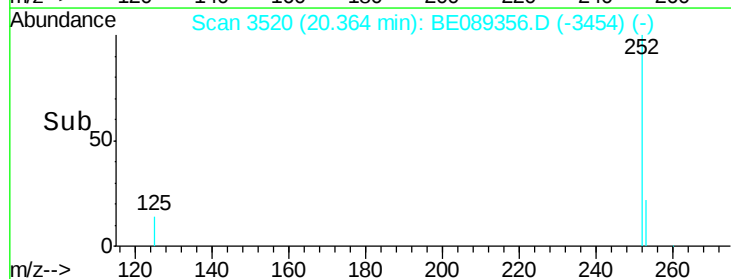
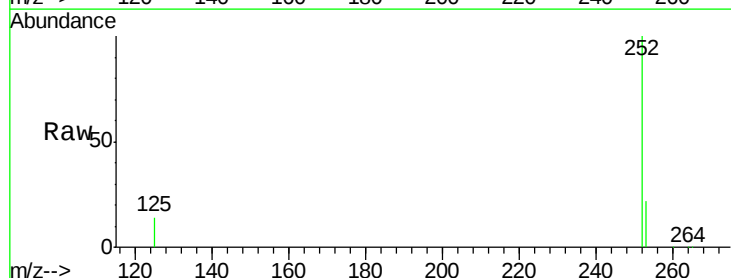
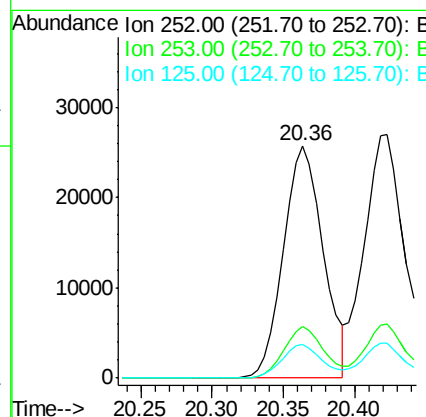
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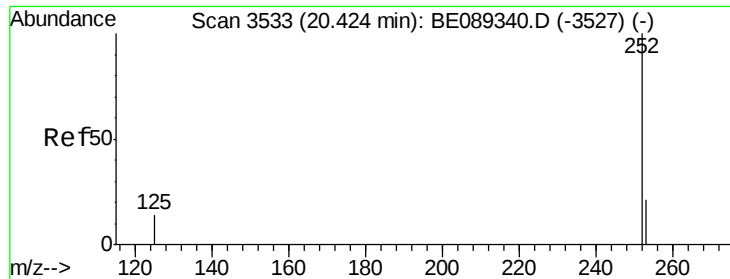
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#22
Benzo(b)fluoranthene
 Concen: 7.31 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.00 min
 Lab File: BE089356.D
 Acq: 8 Jan 2015 9:40

Tgt Ion:	252	Resp:	49356
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	14.4	12.6	18.8





#23

Benzo(k)fluoranthene

Concen: 7.05 ng

RT: 20.42 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BE089356.D

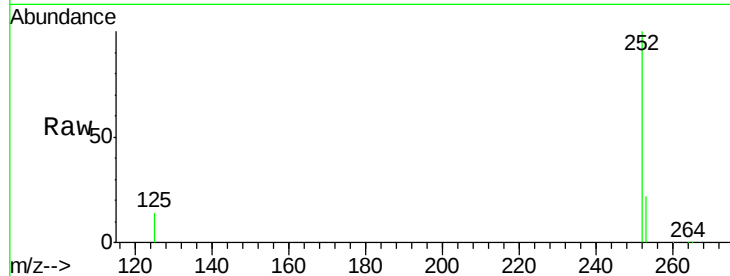
Acq: 8 Jan 2015 9:40

Instrument :

BNA_E

ClientSampleId :

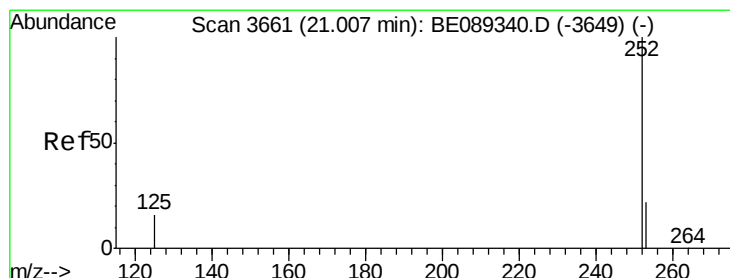
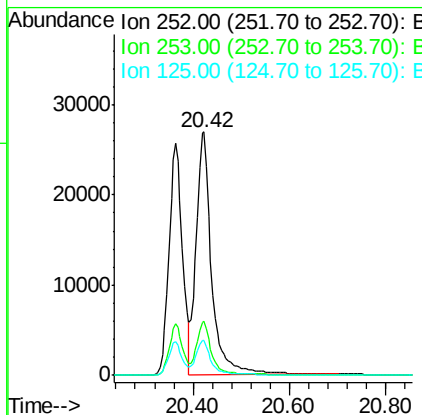
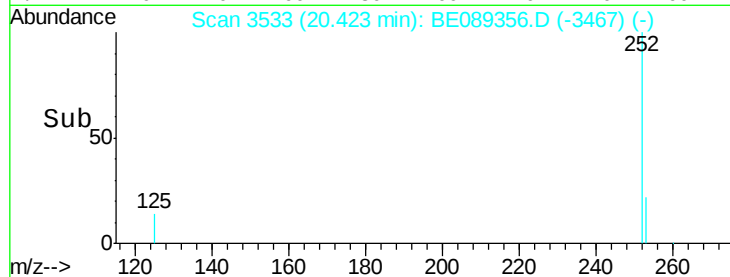
PB81206BSD



Tgt Ion:	252	Resp:	60023
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	14.2	12.4	18.6

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#24

Benzo(a)pyrene

Concen: 8.22 ng

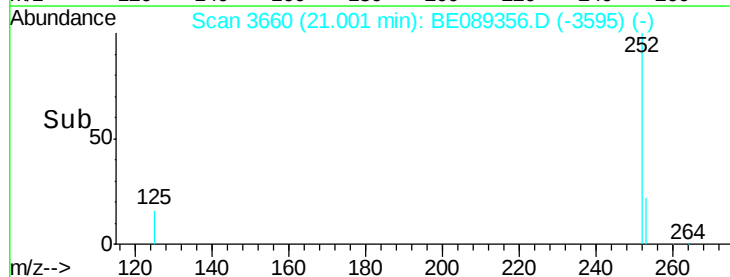
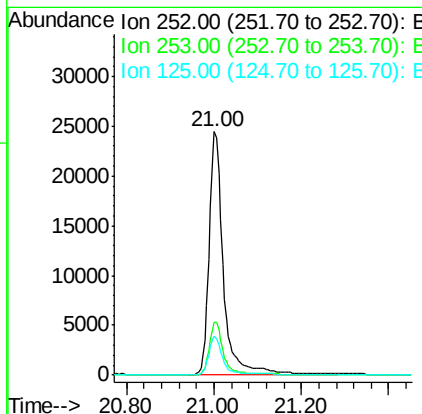
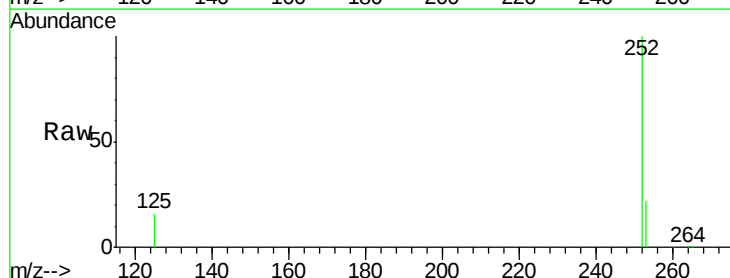
RT: 21.00 min Scan# 3660

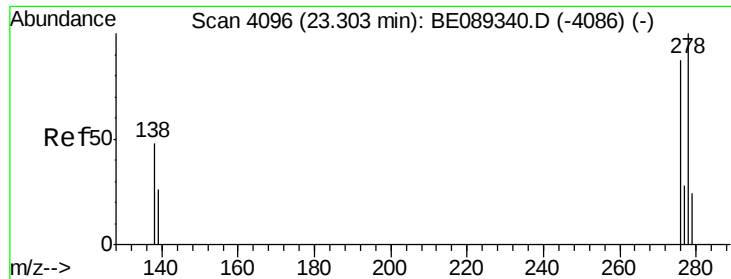
Delta R.T. -0.01 min

Lab File: BE089356.D

Acq: 8 Jan 2015 9:40

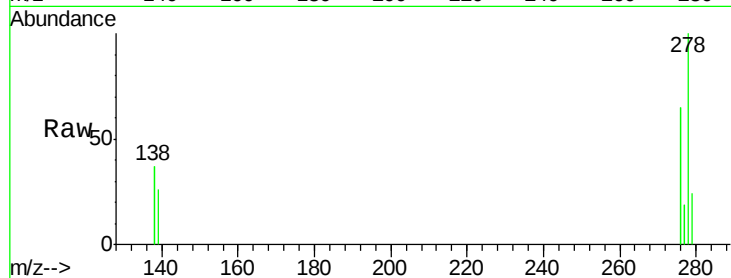
Tgt Ion:	252	Resp:	54793
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.3	27.5
125	15.8	13.8	20.8





#25
Dibenzo(a,h)anthracene
Concen: 7.80 ng
RT: 23.30 min Scan# 4095
Delta R.T. -0.01 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

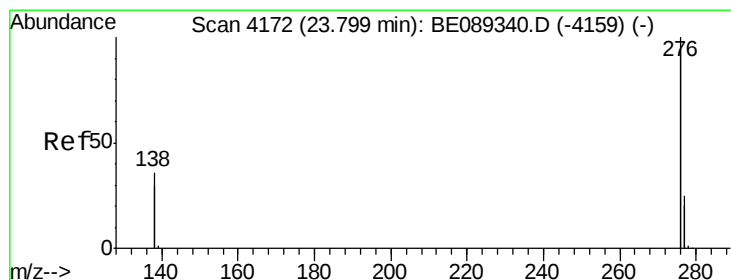
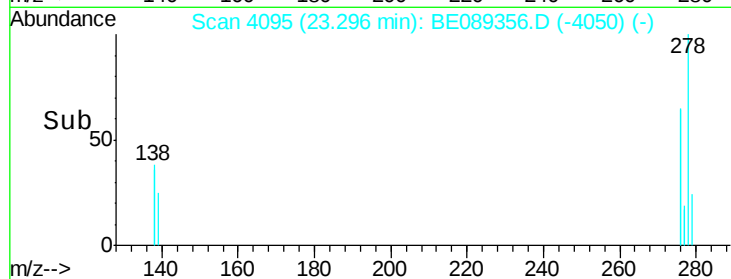
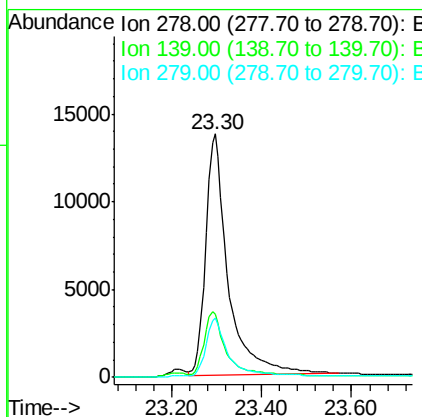
Instrument :
BNA_E
ClientSampleId :
PB81206BSD



Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	22.9	34.3
279	24.2	20.8	31.2

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#26
Benzo(g,h,i)perylene
Concen: 7.23 ng
RT: 23.79 min Scan# 4171
Delta R.T. -0.01 min
Lab File: BE089356.D
Acq: 8 Jan 2015 9:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.0	30.0
138	34.7	28.5	42.7

