

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
 Data File : BE090047.D
 Acq On : 1 Jul 2015 18:58
 Operator : TP/IZ
 Sample : G2824-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

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Quant Time: Jul 02 06:12:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	15581	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	69306	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	39582	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	89770	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	106715	5.00	ng	-0.01
32) Perylene-d12	23.44	264	99980	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	5726	1.60	ng	0.00
5) Phenol-d6	6.80	99	8430	1.68	ng	0.00
7) Nitrobenzene-d5	8.76	82	4995	0.91	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	1486	1.28	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	11635	0.98	ng	0.00
27) Terphenyl-d14	19.58	244	17726	1.00	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.42	128	6106	0.39	ng	97
11) 2-Methylnaphthalene	12.04	142	1380	0.13	ng	94
16) Acenaphthene	14.28	154	6246	0.61	ng	96
17) Fluorene	15.27	166	4551	0.33	ng	# 97
22) Phenanthrene	17.01	178	268417	11.67	ng	100
23) Anthracene	17.10	178	59464m	2.83	ng	
24) Fluoranthene	19.01	202	631672	24.59	ng	99
26) Pyrene	19.37	202	582569	22.90	ng	96
28) Benzo(a)anthracene	21.11	228	389090	14.60	ng	99
29) Chrysene	21.16	228	405485	14.65	ng	97
31) Indeno(1,2,3-cd)pyrene	25.85	276	197347	7.44	ng	97
33) Benzo(b)fluoranthene	22.74	252	492704	22.34	ng	98
34) Benzo(k)fluoranthene	22.78	252	179513m	7.29	ng	
35) Benzo(a)pyrene	23.34	252	336465	16.52	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	50999	2.44	ng	98
37) Benzo(g,h,i)perylene	26.58	276	195032	9.20	ng	98

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

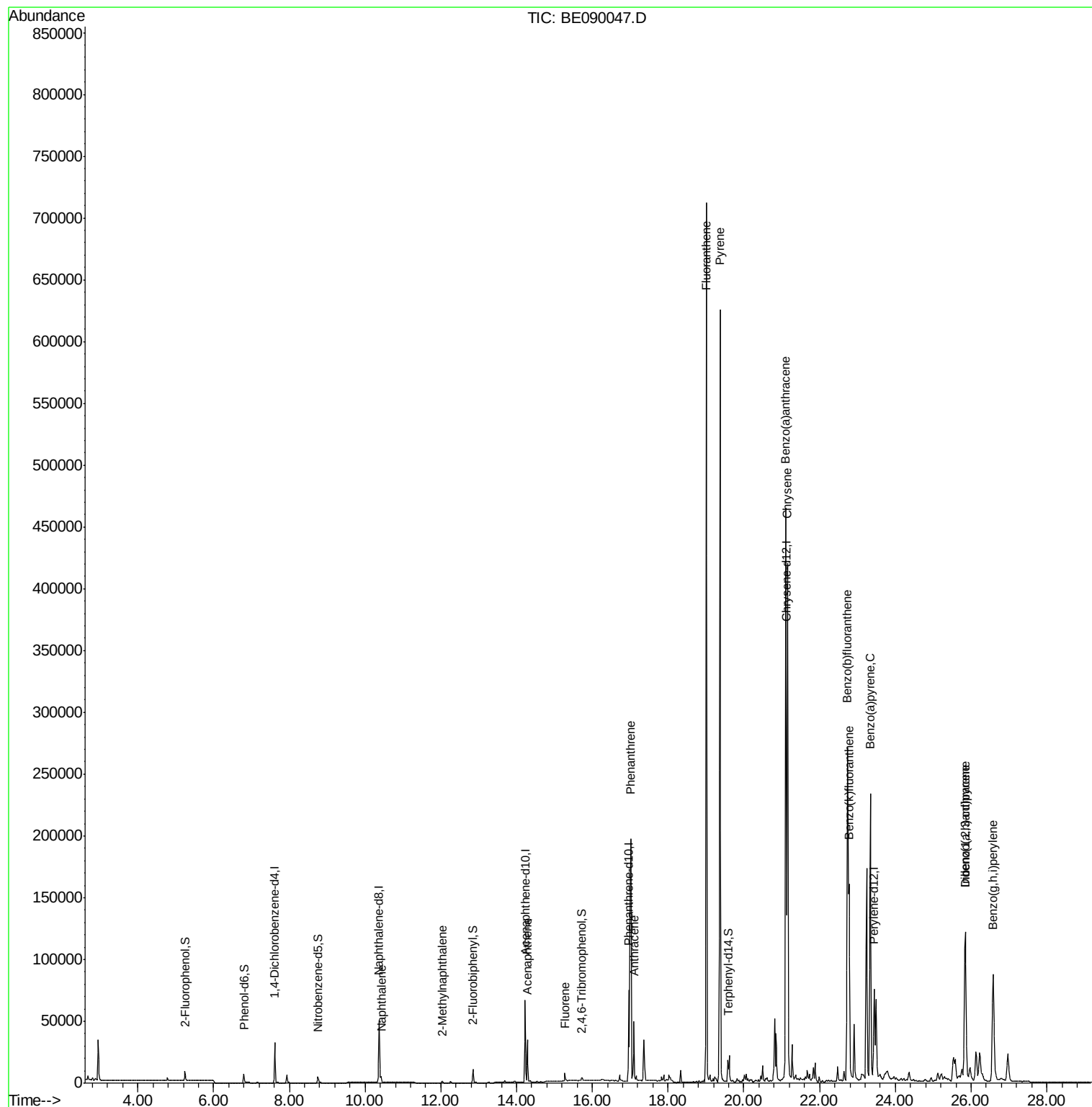
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
Data File : BE090047.D
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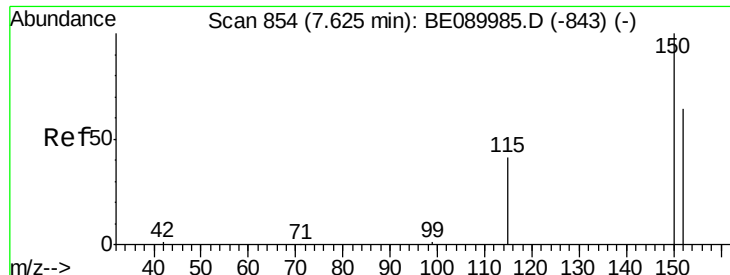
Instrument :
BNA_E
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Quant Time: Jul 02 06:12:53 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090047.D

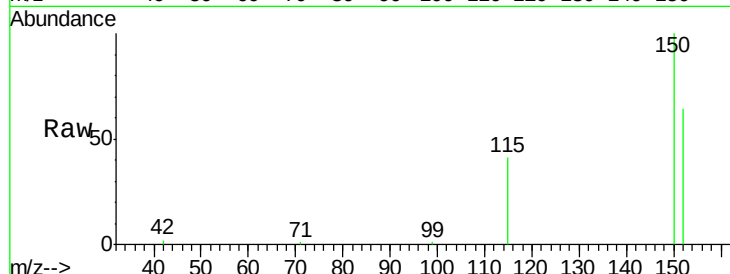
Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

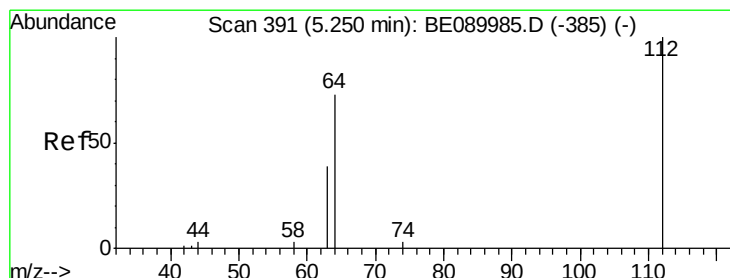
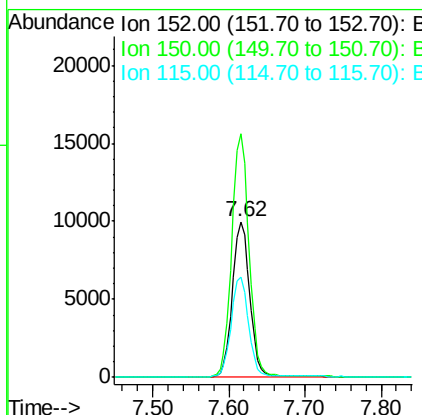
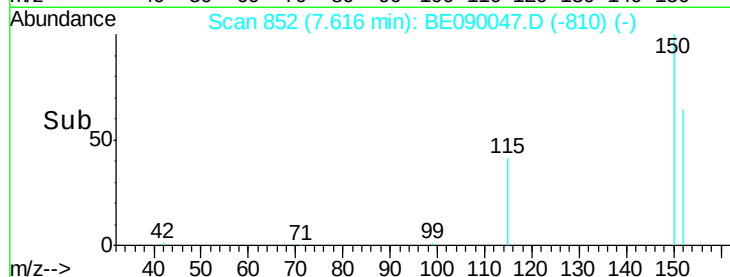
X1SS0650006-150626



Tgt Ion:	152	Resp:	15581
Ion Ratio	Lower	Upper	
152	100		
150	156.2	123.9	185.9
115	64.2	50.6	76.0

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#4

2-Fluorophenol

Concen: 1.60 ng

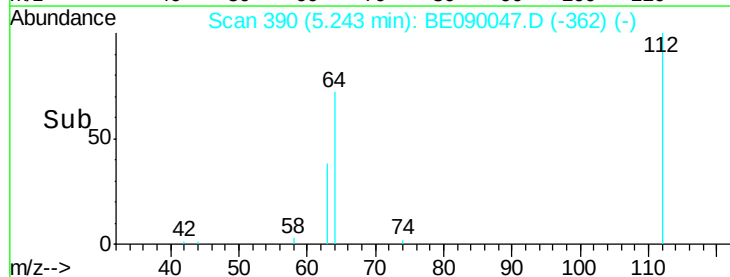
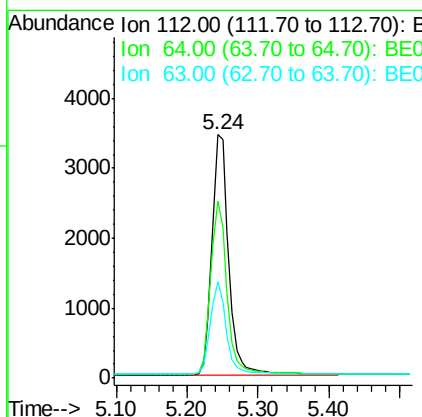
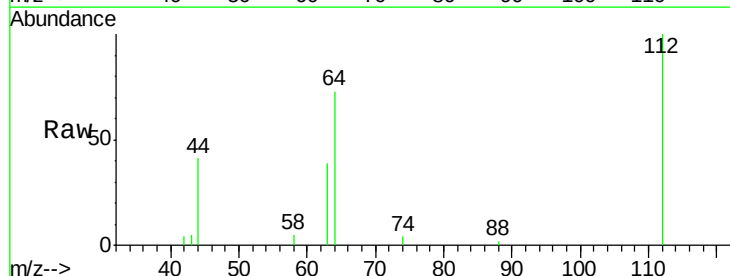
RT: 5.24 min Scan# 390

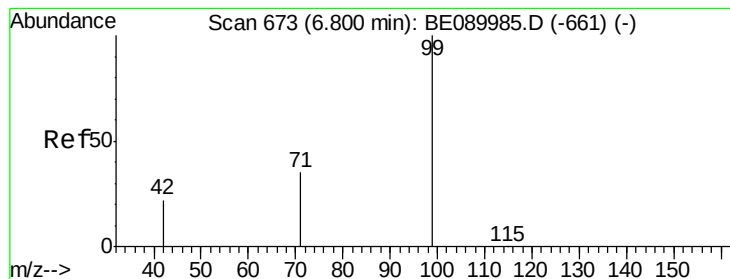
Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	112	Resp:	5726
Ion Ratio	Lower	Upper	
112	100		
64	70.3	56.3	84.5
63	36.3	29.8	44.6





#5

Phenol-d6

Concen: 1.68 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090047.D

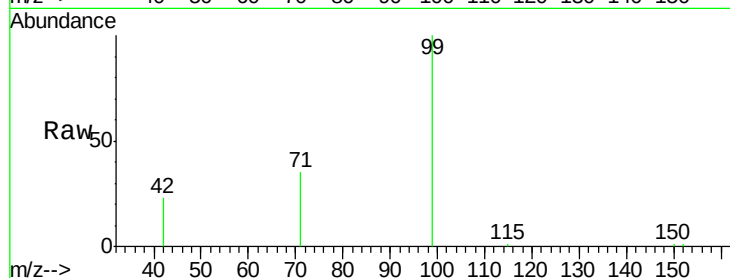
Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

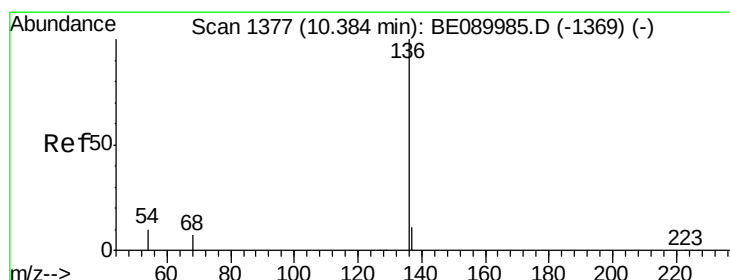
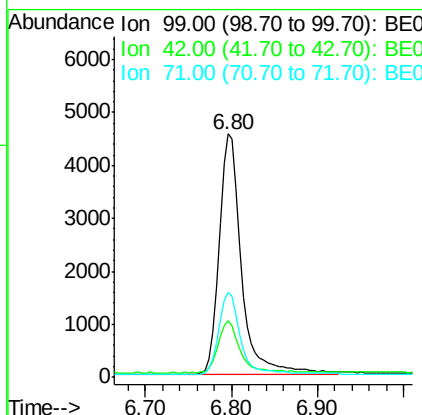
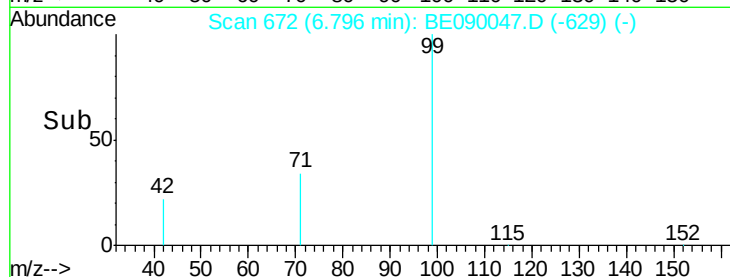
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Tgt Ion:	99	Resp:	8430
Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.7	28.1
71	33.7	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

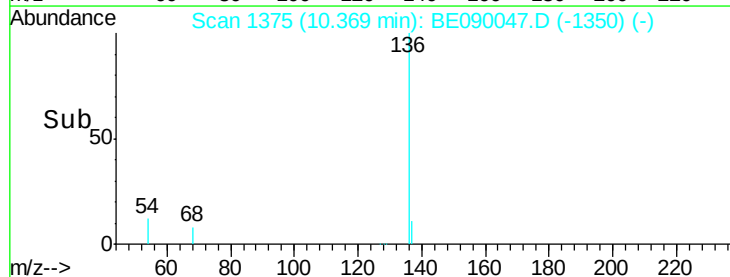
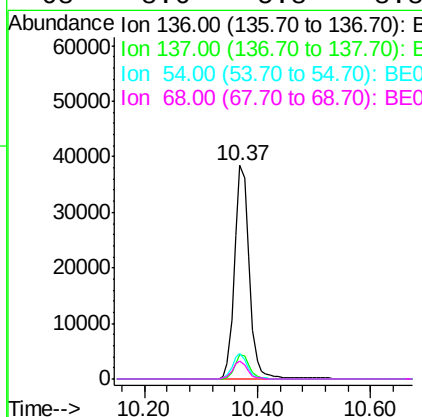
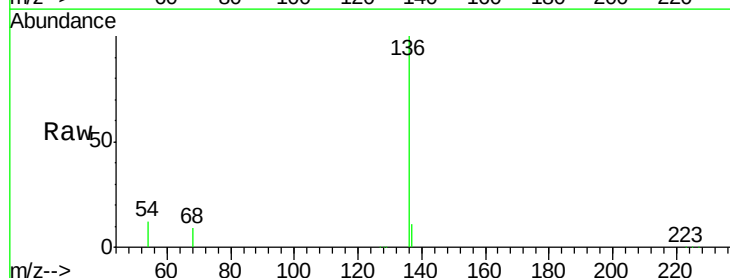
RT: 10.37 min Scan# 1375

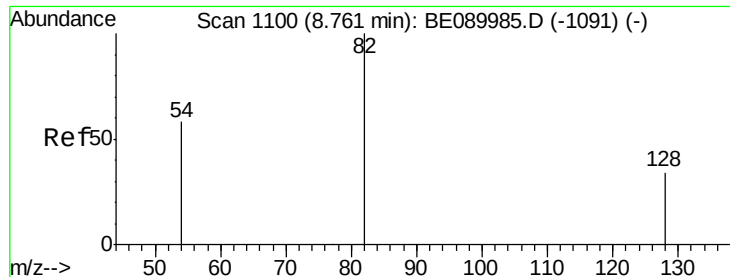
Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	136	Resp:	69306
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	12.0	8.2	12.4
68	8.6	5.8	8.8





#7

Nitrobenzene-d5

Concen: 0.91 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BE090047.D

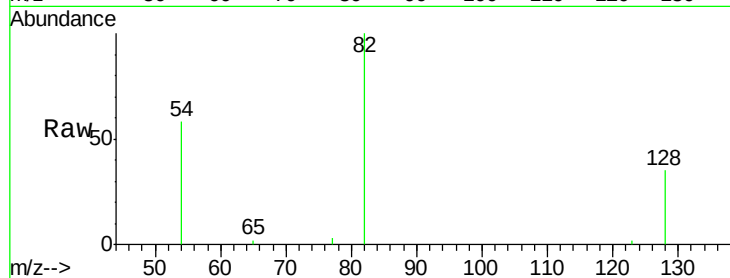
Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

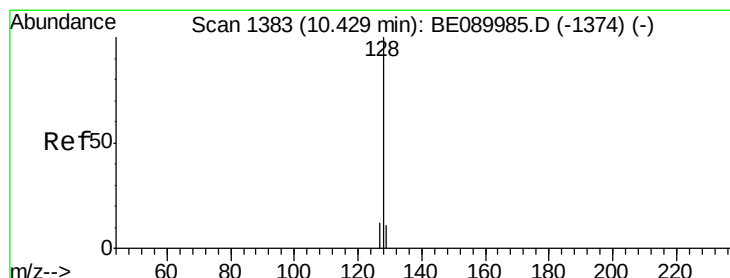
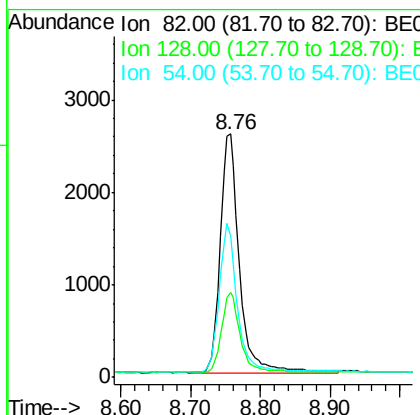
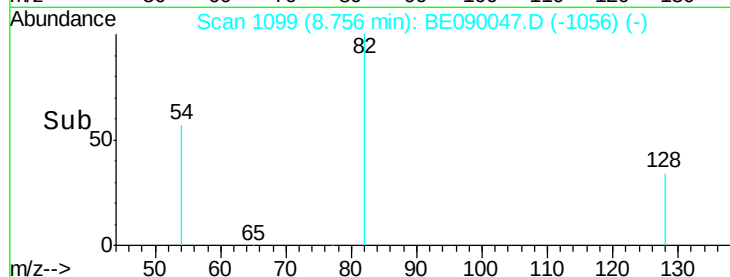
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Tgt Ion:	82	Resp:	4995
Ion Ratio	Lower	Upper	
82	100		
128	35.0	28.0	42.0
54	58.0	47.6	71.4

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#9

Naphthalene

Concen: 0.39 ng

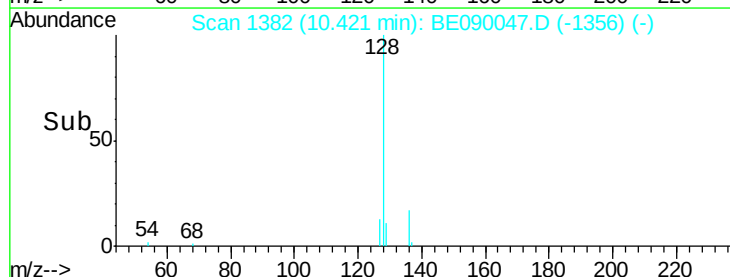
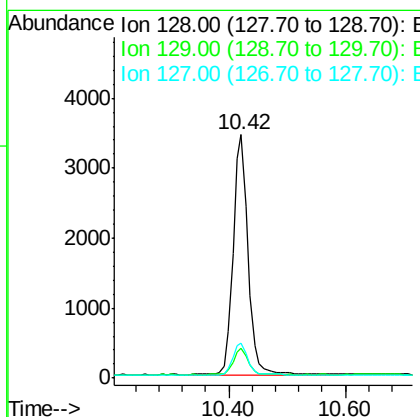
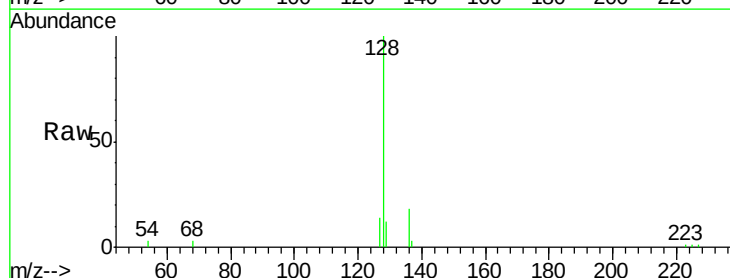
RT: 10.42 min Scan# 1382

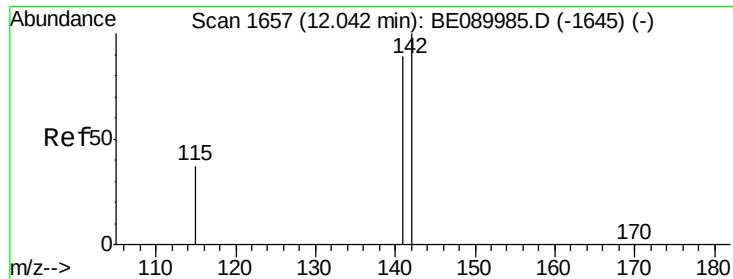
Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	128	Resp:	6106
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.3	13.9
127	14.2	10.2	15.4





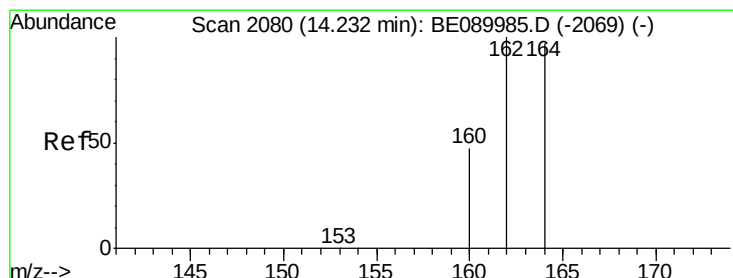
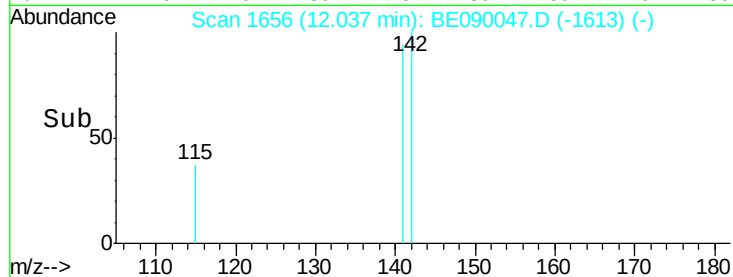
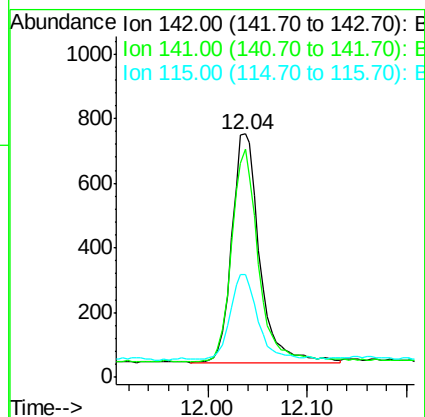
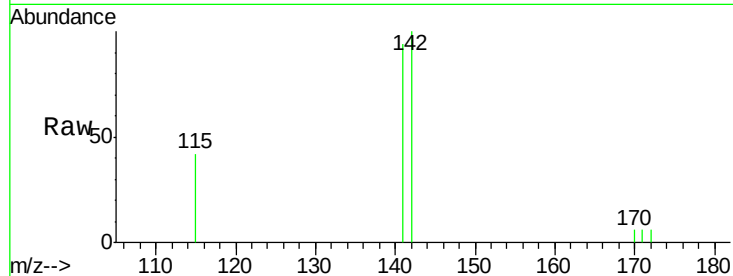
#11
2-Methylnaphthalene
Concen: 0.13 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.3	106.9
115	42.1	30.4	45.6

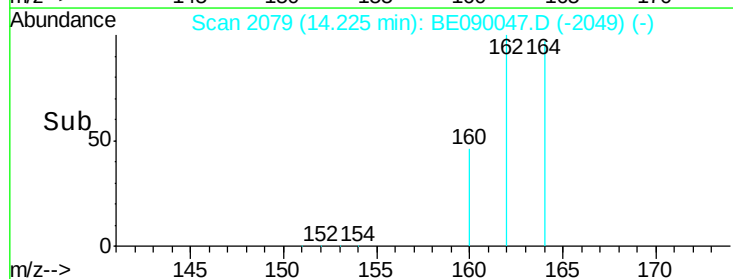
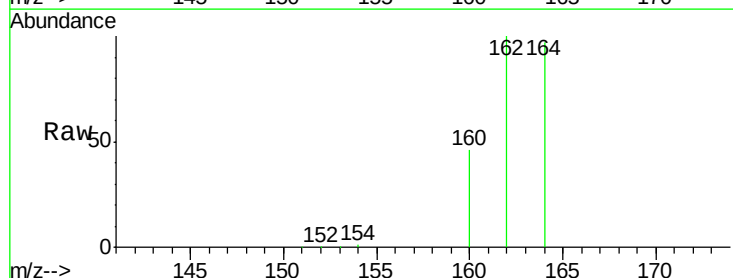
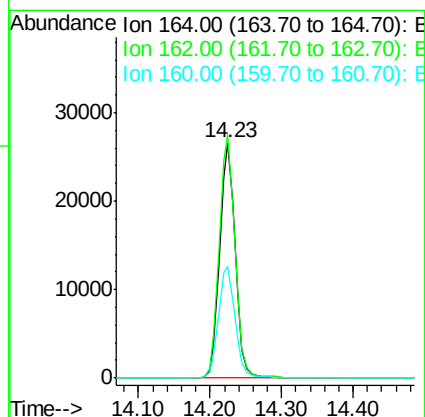
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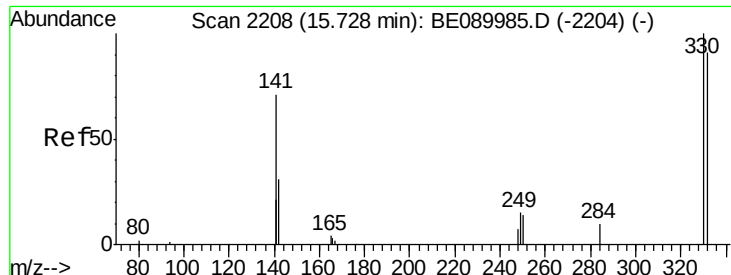
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.2	123.4
160	47.4	39.0	58.6





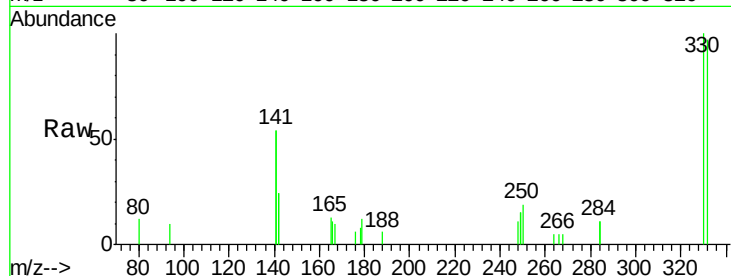
#13
 2,4,6-Tribromophenol
 Concen: 1.28 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.4	114.6
141	183.4	130.3	195.5

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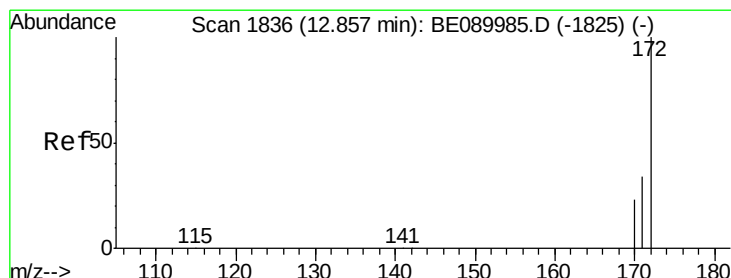
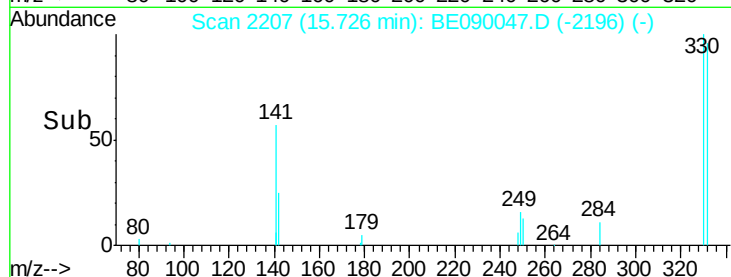
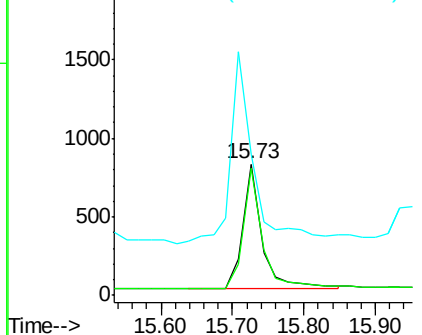


Abundance

Ion 329.80 (329.50 to 330.50): E

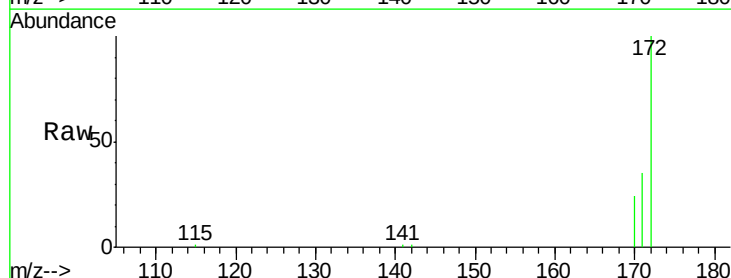
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#14
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.6	18.3	27.5

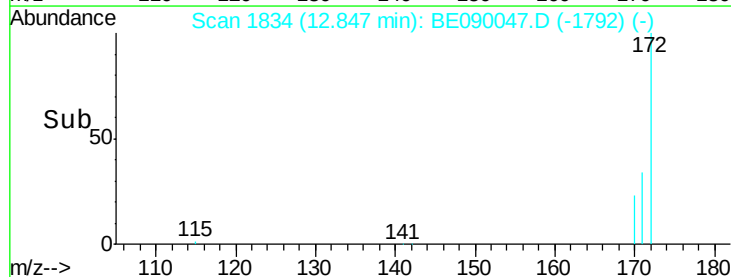
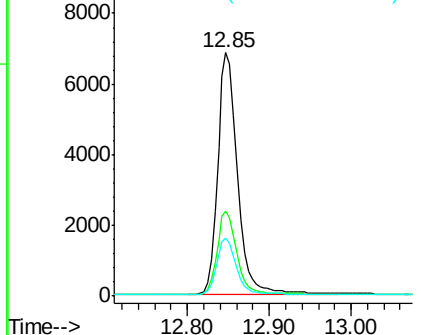


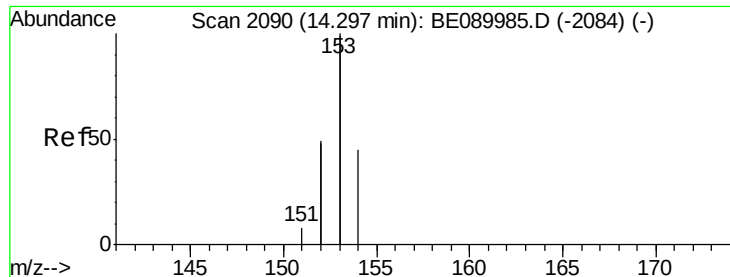
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





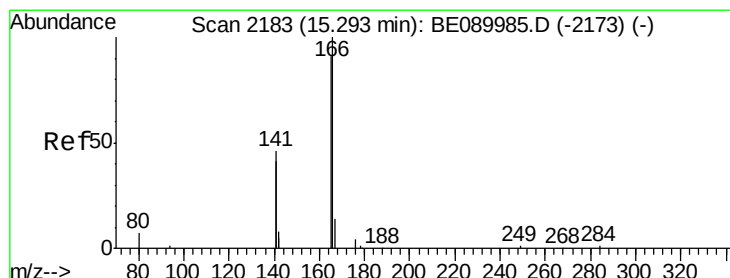
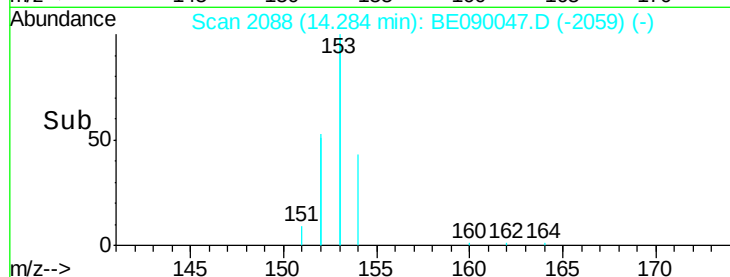
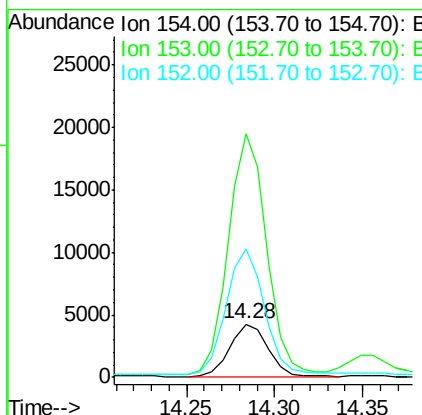
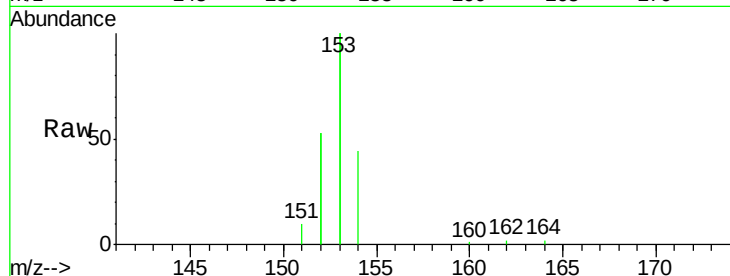
#16
Acenaphthene
Concen: 0.61 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	461.6	358.6	538.0
152	242.2	189.6	284.4

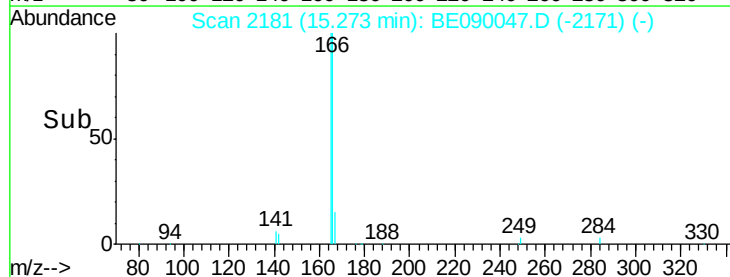
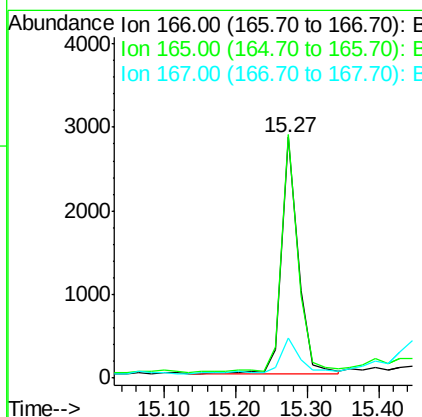
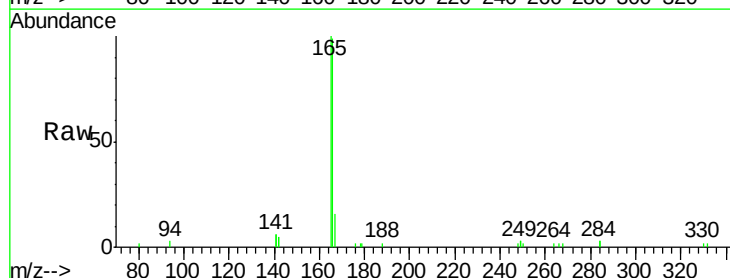
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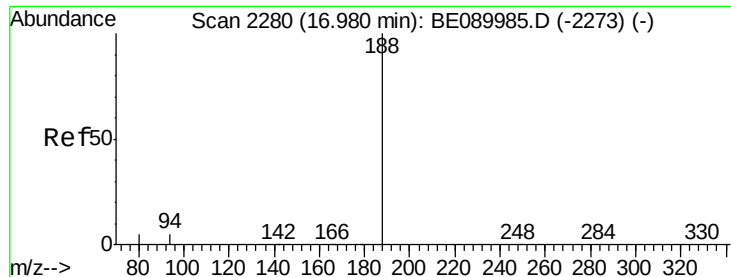
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#17
Fluorene
Concen: 0.33 ng
RT: 15.27 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.0	118.6
167	19.3	11.8	17.8#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

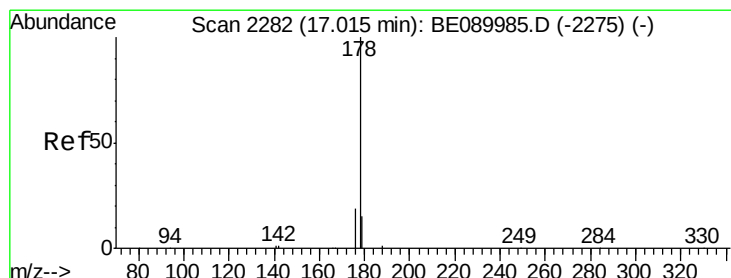
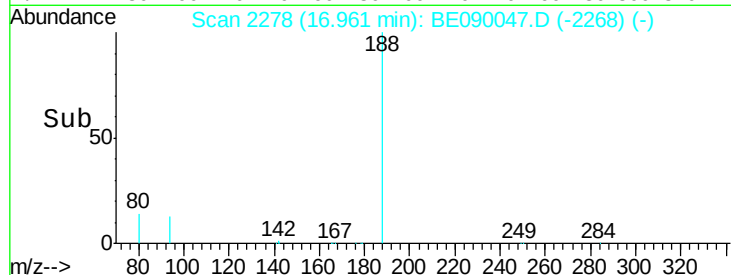
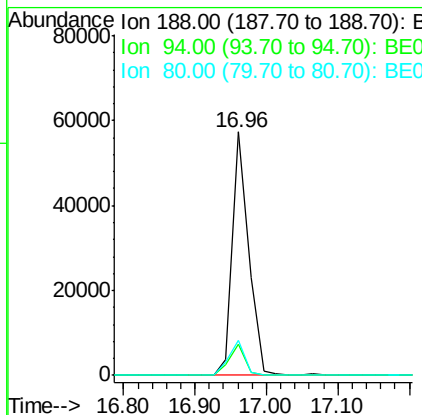
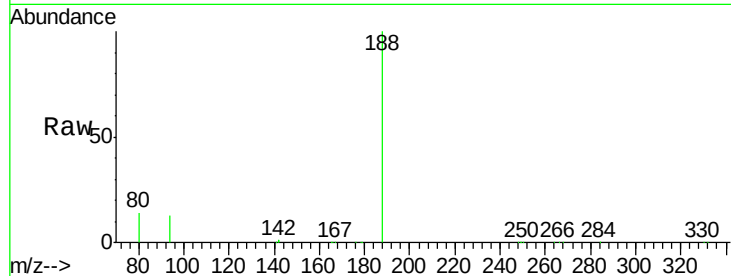
ClientSampleId :

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Tgt Ion:	188	Resp:	89770
Ion Ratio	Lower	Upper	
188	100		
94	12.9	4.1	6.1#
80	14.1	4.2	6.2#

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#22

Phenanthrene

Concen: 11.67 ng

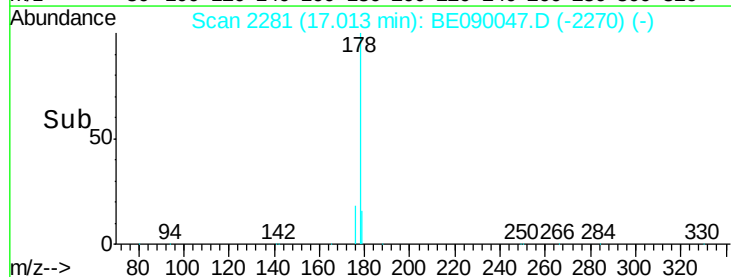
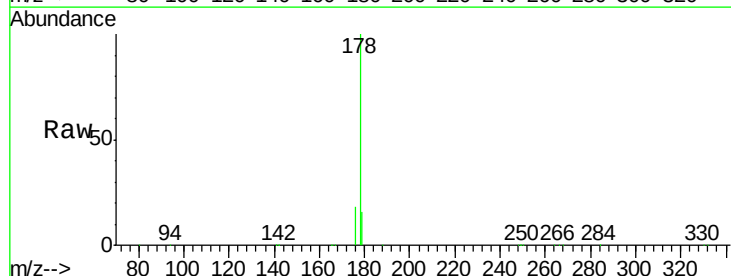
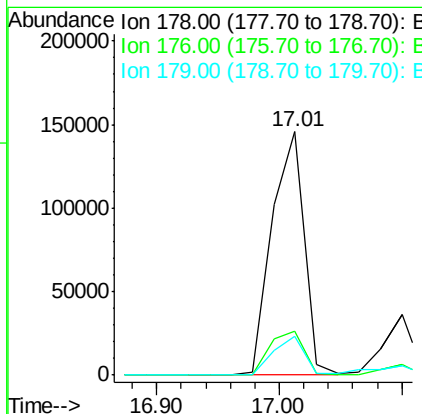
RT: 17.01 min Scan# 2281

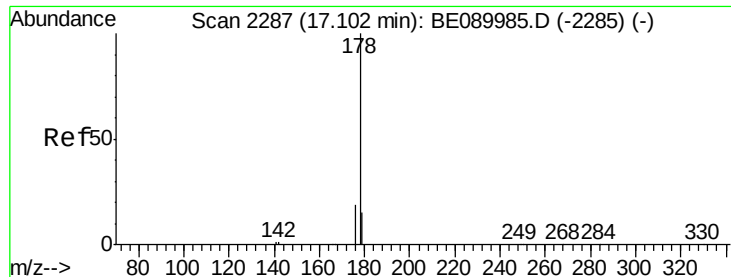
Delta R.T. -0.00 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	178	Resp:	268417
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.7	12.4	18.6





#23

Anthracene

Concen: 2.83 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

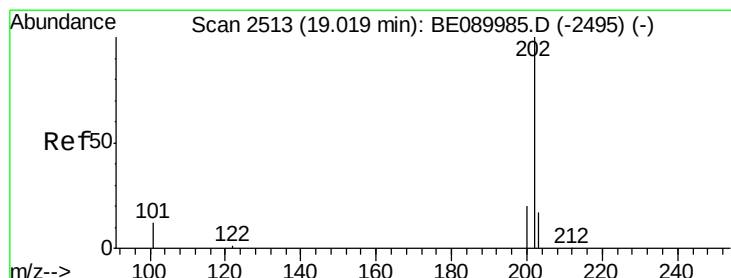
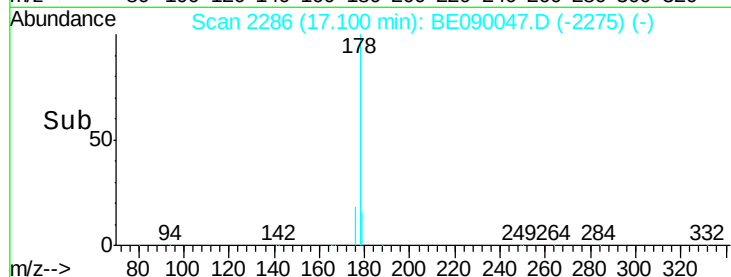
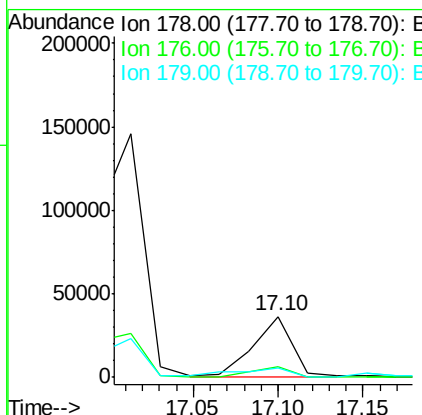
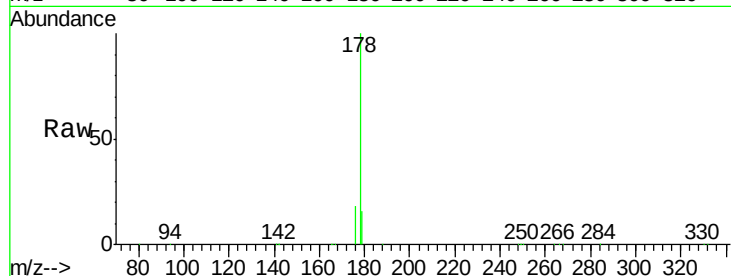
ClientSampleId :

X1SS0650006-150626

Tgt Ion:	178	Resp:	59464
Ion Ratio	Lower	Upper	
178	100		
176	86.9	14.7	22.1#
179	70.8	12.1	18.1#

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#24

Fluoranthene

Concen: 24.59 ng

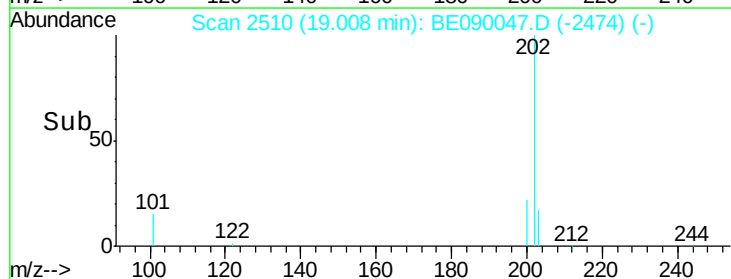
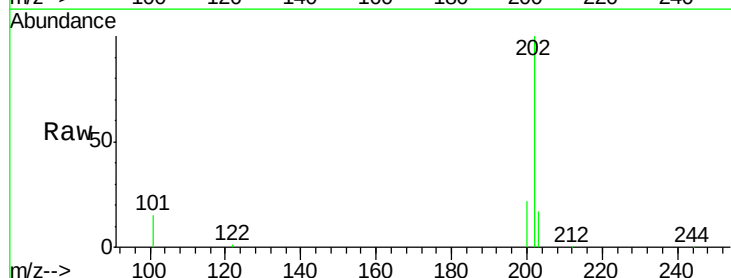
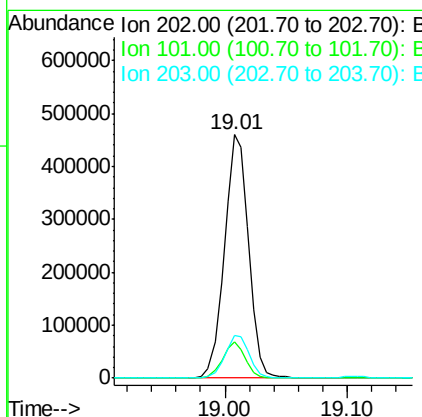
RT: 19.01 min Scan# 2510

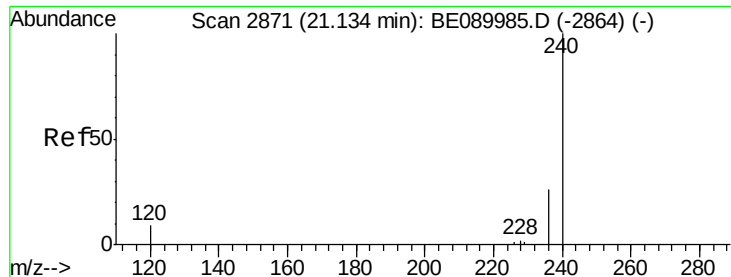
Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	202	Resp:	631672
Ion Ratio	Lower	Upper	
202	100		
101	14.0	10.6	15.8
203	17.5	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

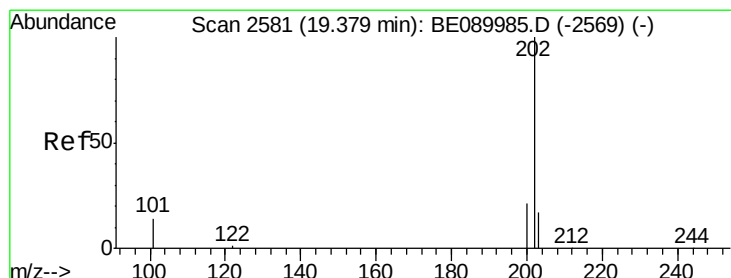
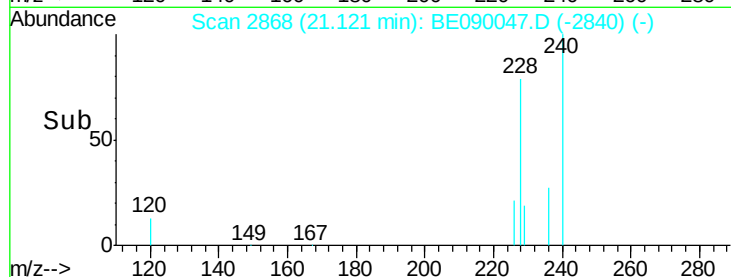
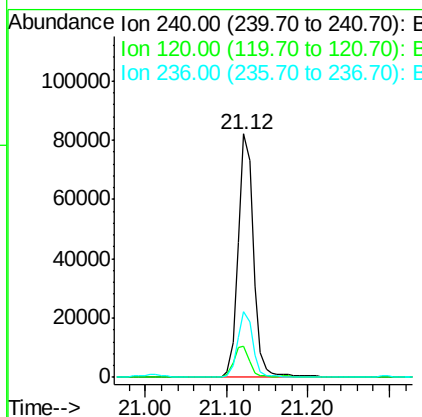
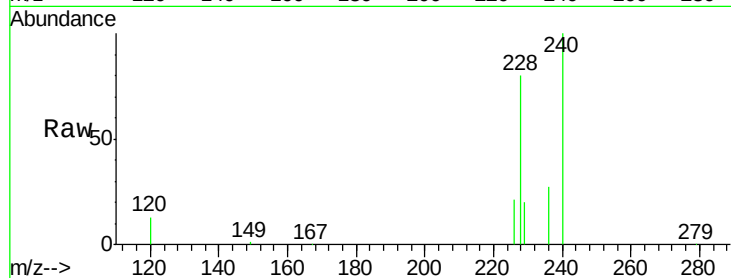
ClientSampleId :

X1SS0650006-150626

Tgt Ion:	240	Resp:	106715
Ion Ratio		Lower	Upper
240	100		
120	12.8	6.9	10.3#
236	27.2	20.8	31.2

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#26

Pyrene

Concen: 22.90 ng

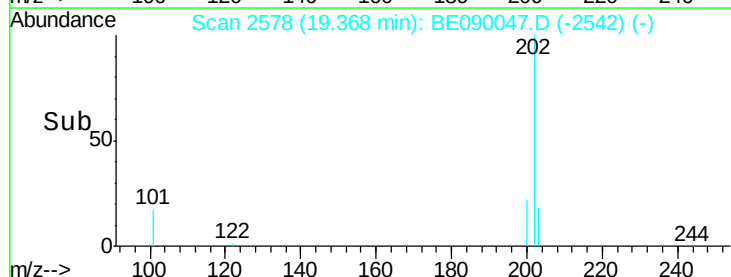
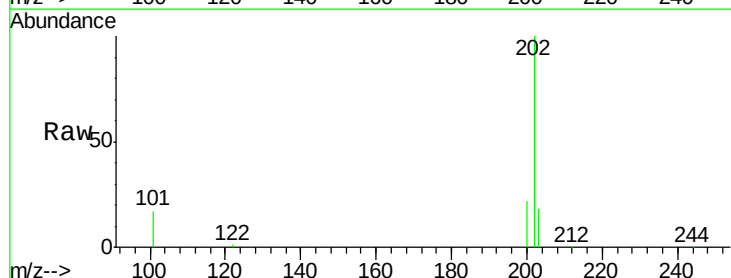
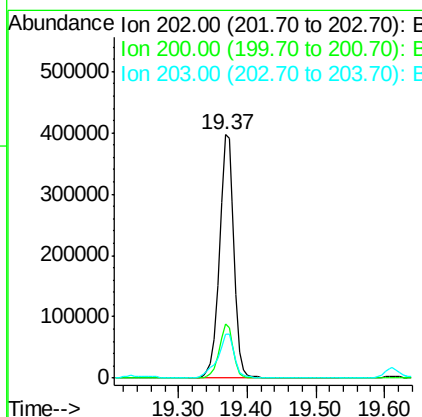
RT: 19.37 min Scan# 2578

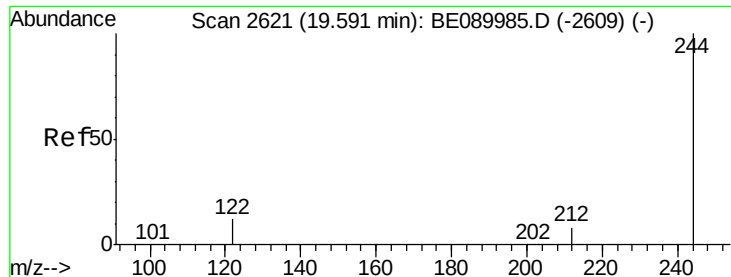
Delta R.T. -0.01 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion:	202	Resp:	582569
Ion Ratio		Lower	Upper
202	100		
200	21.6	16.8	25.2
203	20.8	13.9	20.9





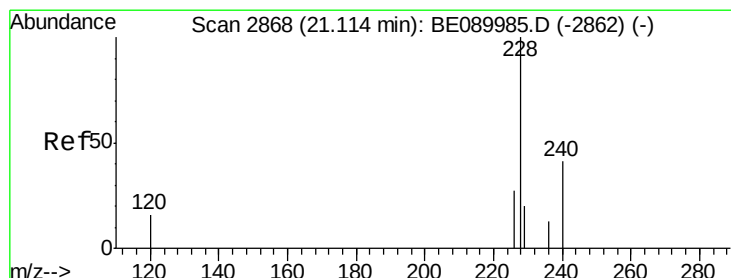
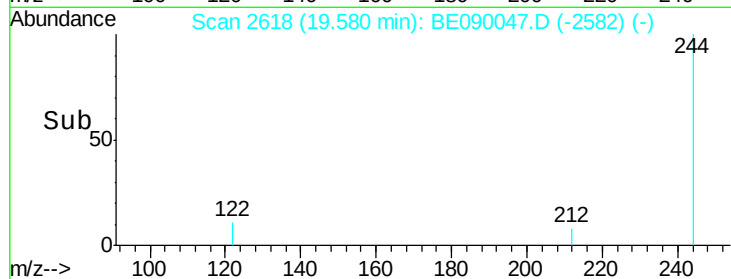
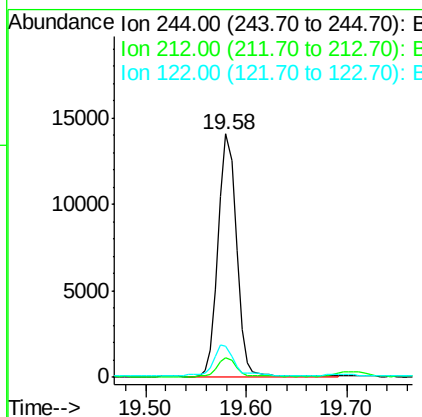
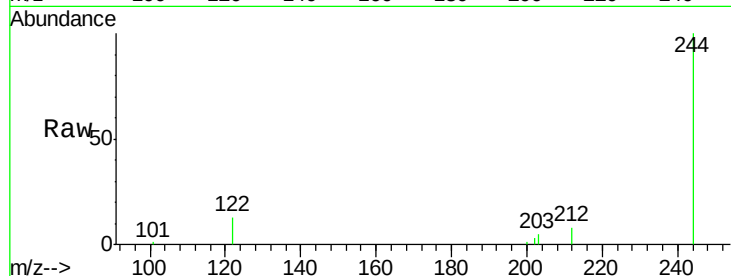
#27
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	9.8
122	12.9	9.8	14.8

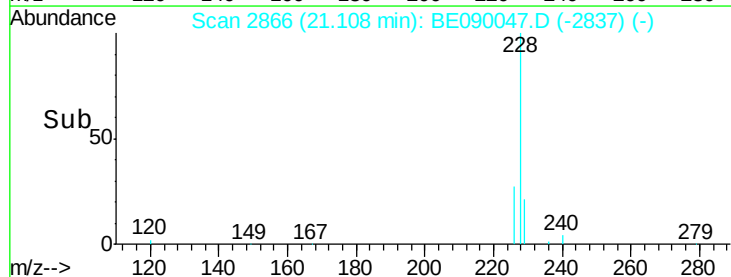
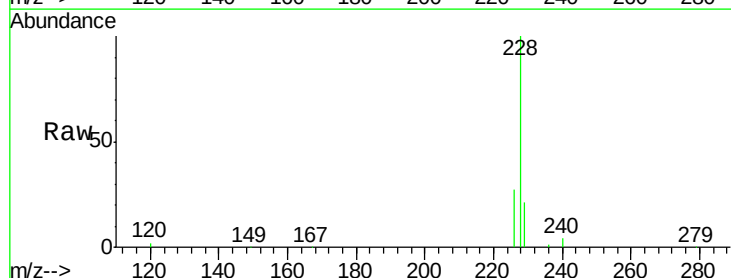
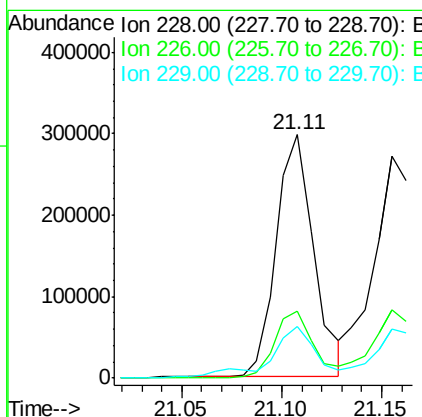
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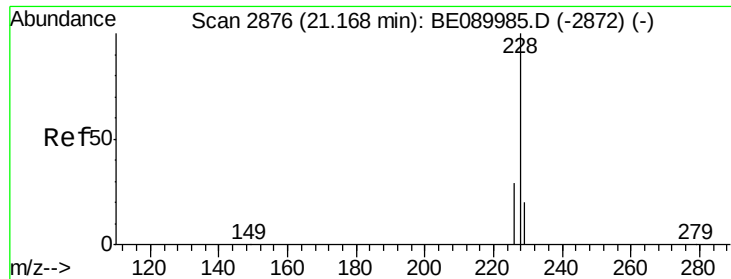
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#28
 Benzo(a)anthracene
 Concen: 14.60 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	21.0	15.8	23.6





#29

Chrysene

Concen: 14.65 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090047.D

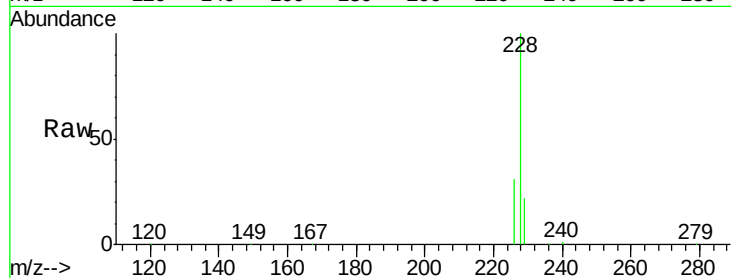
Acq: 1 Jul 2015 18:58

Instrument :

BNA_E

ClientSampleId :

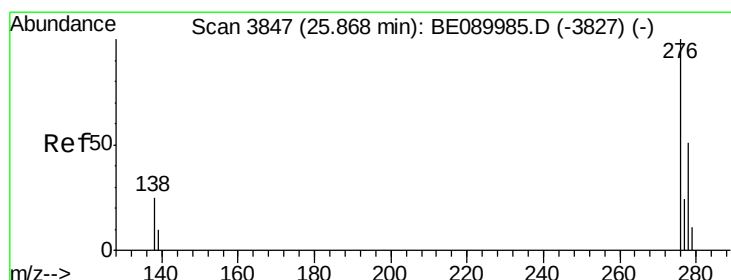
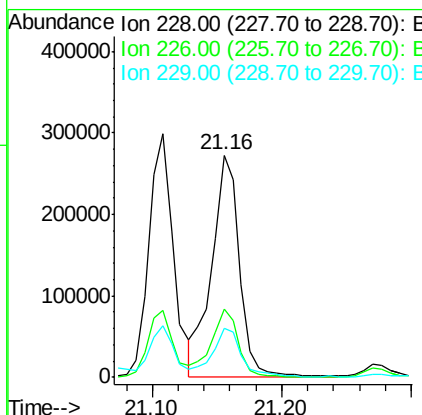
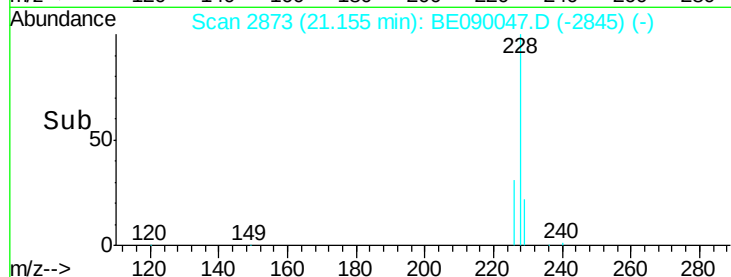
X1SS0650006-150626



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	405485		
226	30.9	23.4	35.0	
229	21.9	16.2	24.2	

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#31

Indeno(1,2,3-cd)pyrene

Concen: 7.44 ng

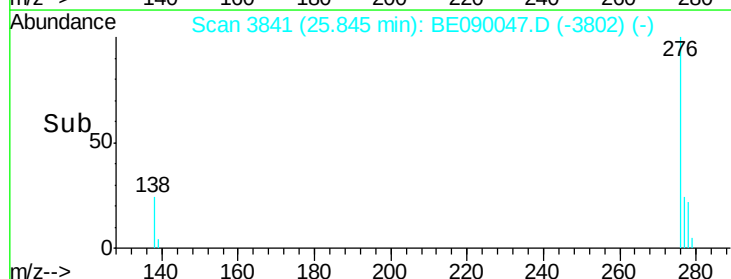
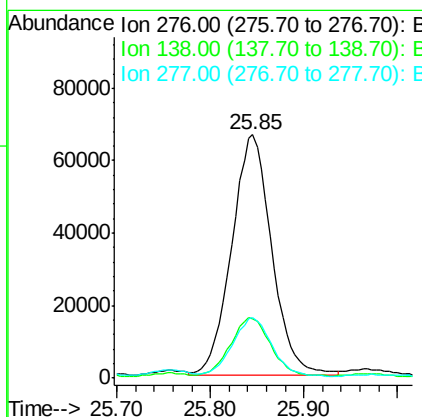
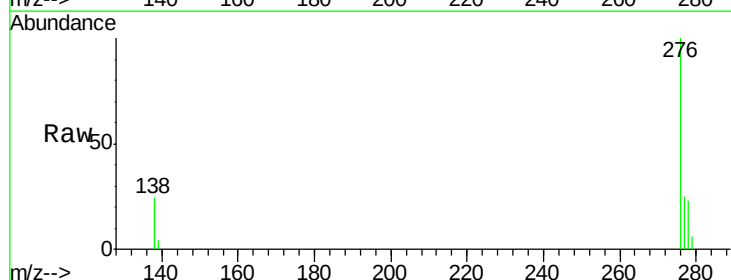
RT: 25.85 min Scan# 3841

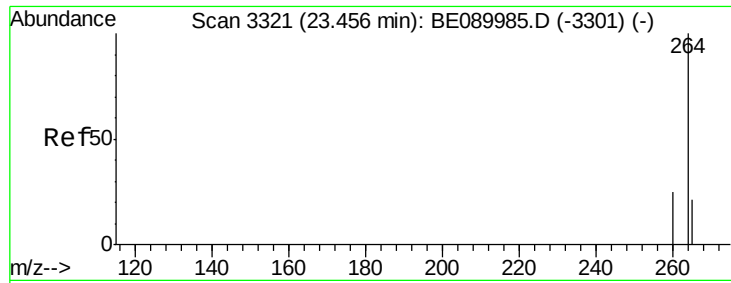
Delta R.T. -0.02 min

Lab File: BE090047.D

Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	197347		
138	24.8	21.3	31.9	
277	23.7	19.7	29.5	





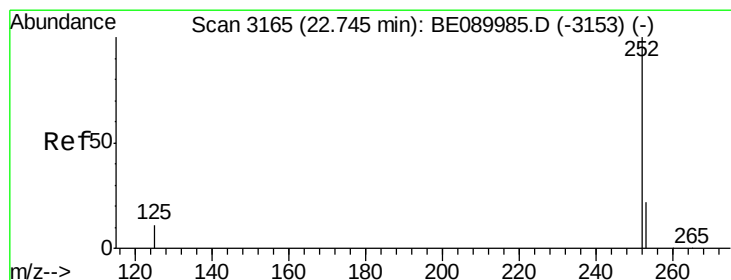
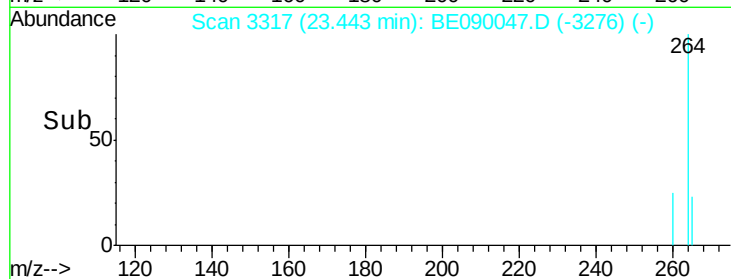
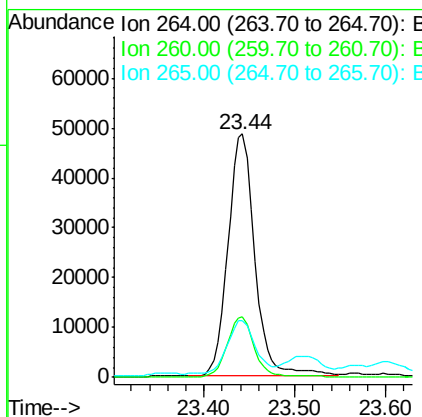
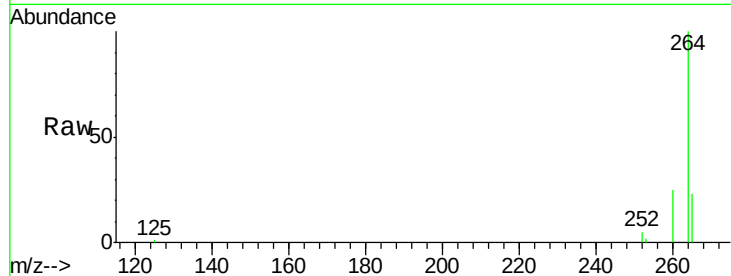
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3317
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	99980		
260	24.8	20.2	30.2	
265	23.3	17.1	25.7	

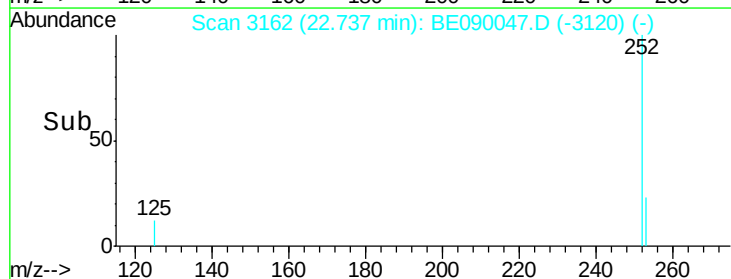
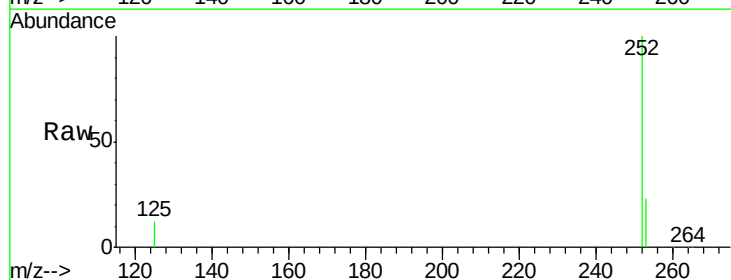
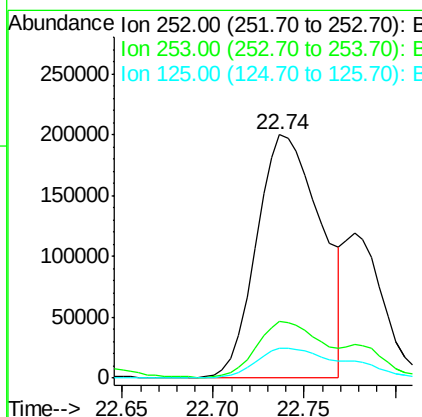
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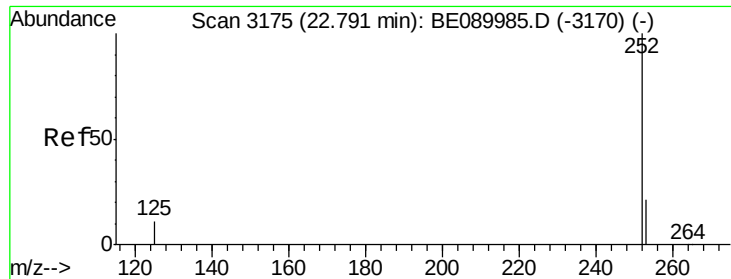
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#33
 Benzo(b)fluoranthene
 Concen: 22.34 ng
 RT: 22.74 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BE090047.D
 Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	492704		
253	23.1	17.8	26.8	
125	12.2	9.0	13.4	





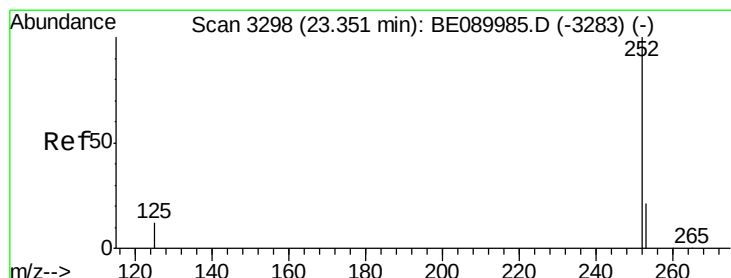
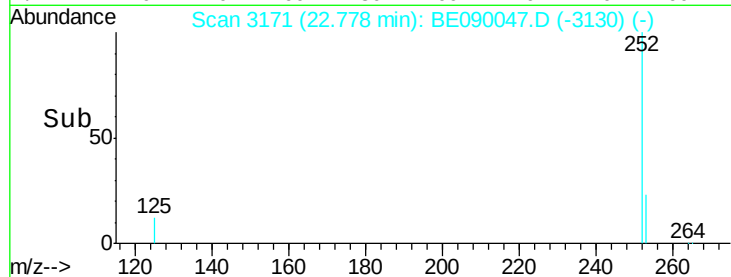
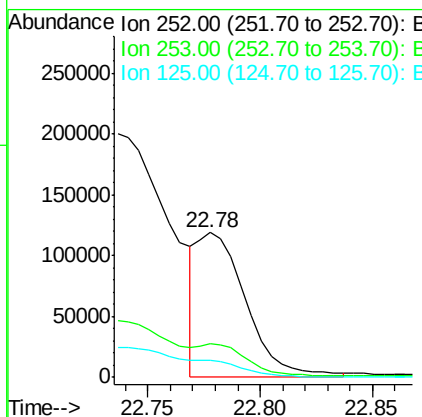
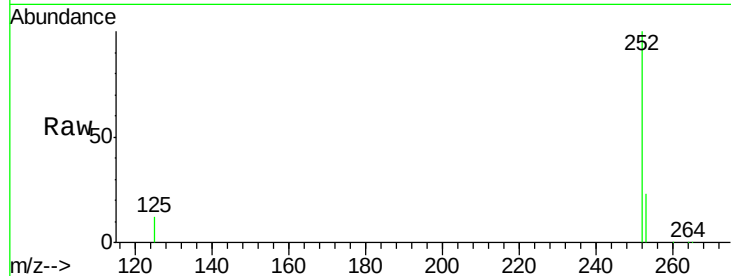
#34
Benzo(k)fluoranthene
Concen: 7.29 ng m
RT: 22.78 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	179513		
253	23.0	17.5	26.3	
125	11.9	9.5	14.3	

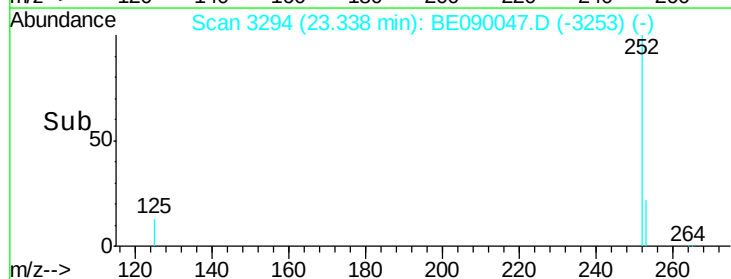
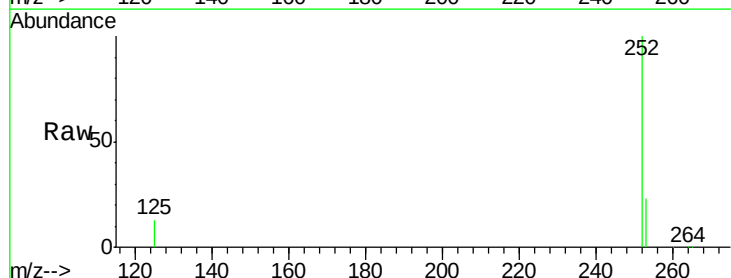
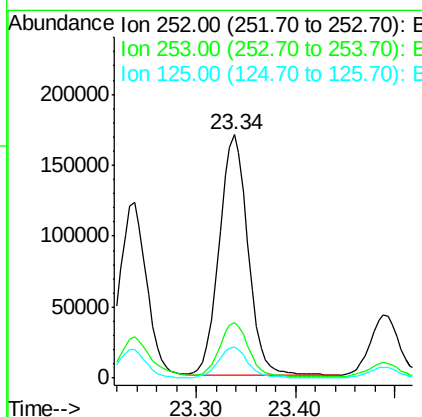
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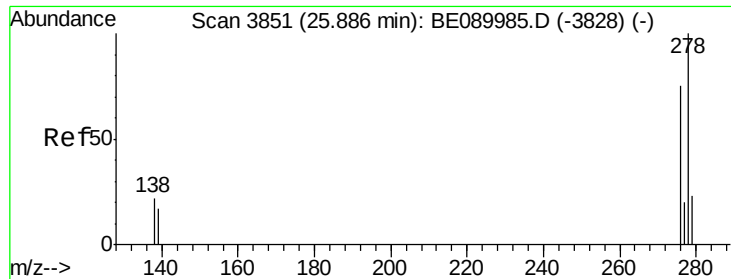
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#35
Benzo(a)pyrene
Concen: 16.52 ng
RT: 23.34 min Scan# 3294
Delta R.T. -0.01 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	336465		
253	23.0	17.4	26.2	
125	12.8	10.5	15.7	





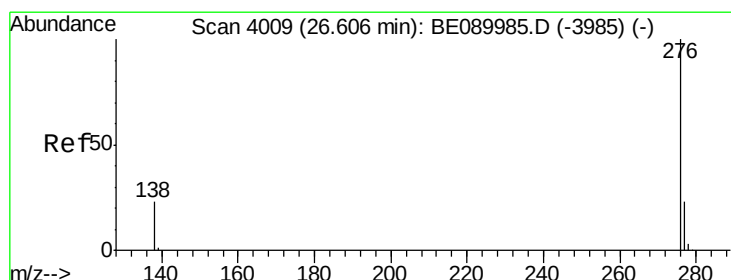
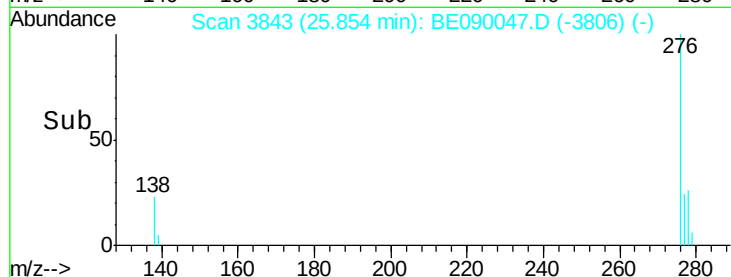
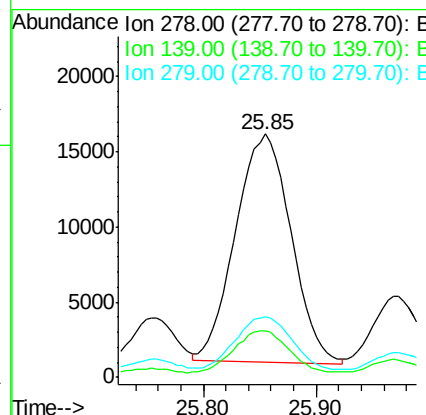
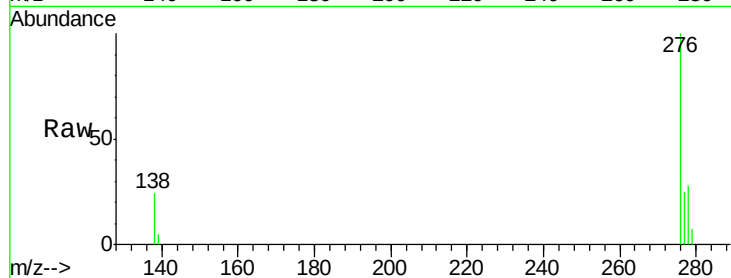
#36
Dibenzo(a,h)anthracene
Concen: 2.44 ng
RT: 25.85 min Scan# 3843
Delta R.T. -0.03 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.4	21.6
279	25.1	19.0	28.6

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#37
Benzo(g,h,i)perylene
Concen: 9.20 ng
RT: 26.58 min Scan# 4003
Delta R.T. -0.02 min
Lab File: BE090047.D
Acq: 1 Jul 2015 18:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	24.7	18.6	27.8

