

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
 Data File : BE090048.D
 Acq On : 1 Jul 2015 19:33
 Operator : TP/IZ
 Sample : G2824-11DL 4X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Manual Integrations
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Quant Time: Jul 02 06:15:02 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	15066	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	67140	5.00	ng	-0.01
12) Acenaphthene-d10	14.23	164	38257	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	86562	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	106407	5.00	ng	-0.01
32) Perylene-d12	23.44	264	101384	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	5470	1.58	ng	0.00
5) Phenol-d6	6.80	99	8040	1.66	ng	0.00
7) Nitrobenzene-d5	8.75	82	4780	0.90	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	1430	1.28	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	11274	0.98	ng	0.00
27) Terphenyl-d14	19.58	244	16914	0.95	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.42	128	1264	0.08	ng	# 86
11) 2-Methylnaphthalene	12.04	142	230	0.02	ng	# 84
16) Acenaphthene	14.28	154	1043	0.10	ng	98
17) Fluorene	15.27	166	556	0.04	ng	# 68
22) Phenanthrene	17.01	178	23038	1.04	ng	99
23) Anthracene	17.10	178	4676m	0.23	ng	
24) Fluoranthene	19.01	202	96062	3.88	ng	100
26) Pyrene	19.37	202	94413	3.72	ng	# 96
28) Benzo(a)anthracene	21.10	228	77567	2.92	ng	98
29) Chrysene	21.16	228	84106	3.05	ng	98
31) Indeno(1,2,3-cd)pyrene	25.84	276	53135	2.01	ng	97
33) Benzo(b)fluoranthene	22.73	252	118416	5.29	ng	98
34) Benzo(k)fluoranthene	22.77	252	44656m	1.79	ng	
35) Benzo(a)pyrene	23.33	252	81089	3.93	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	12886	0.61	ng	95
37) Benzo(g,h,i)perylene	26.57	276	54638	2.54	ng	97

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

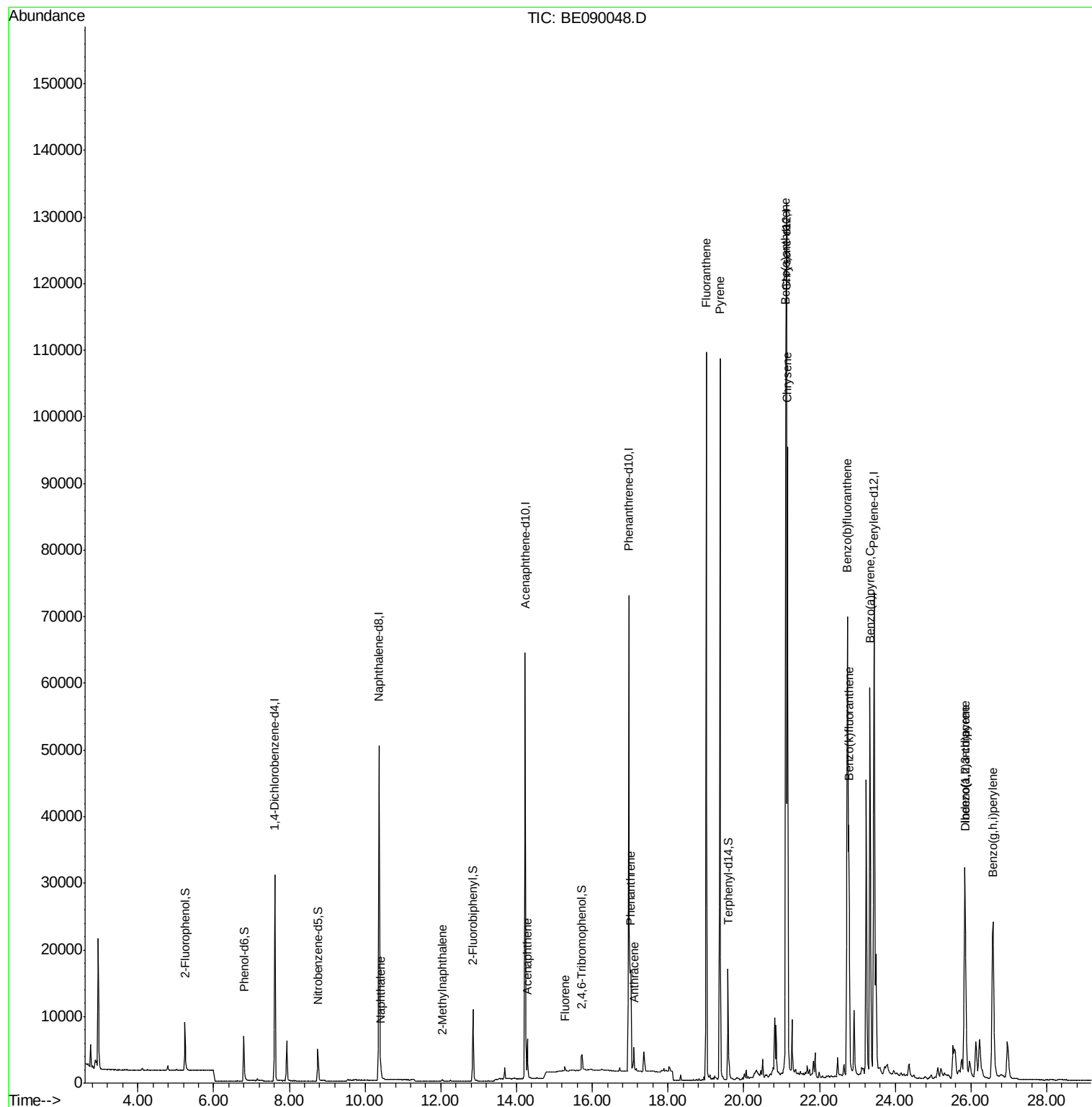
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
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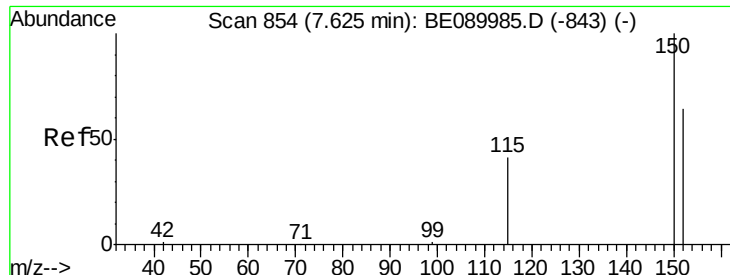
Instrument :
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Quant Time: Jul 02 06:15:02 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090048.D

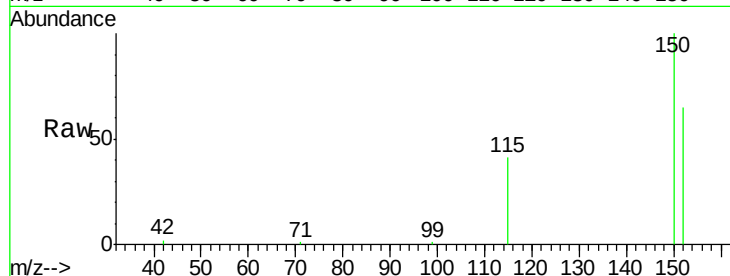
Acq: 1 Jul 2015 19:33

Instrument :

BNA_E

ClientSampleId :

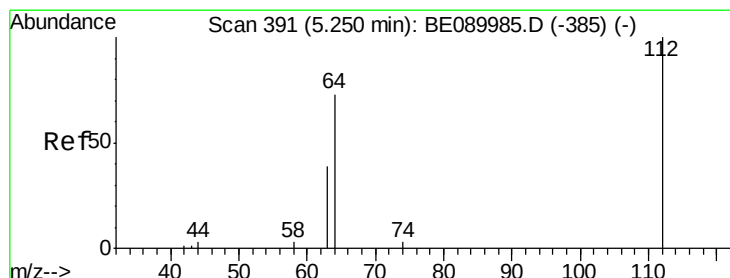
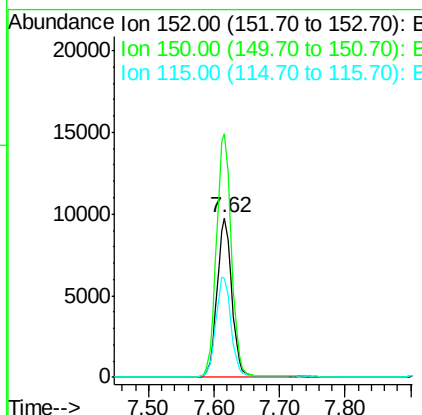
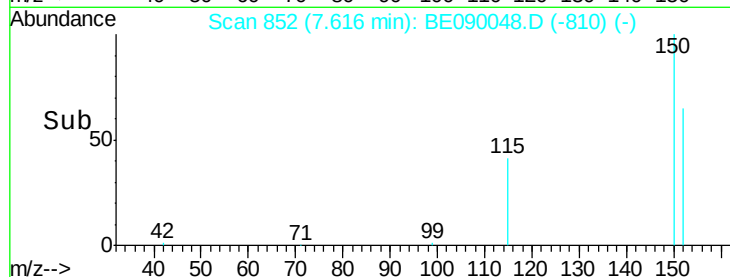
X1SS0660624-150626DL



Tgt Ion:	152	Resp:	15066
Ion Ratio	Lower	Upper	
152	100		
150	152.8	123.9	185.9
115	62.3	50.6	76.0

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#4

2-Fluorophenol

Concen: 1.58 ng

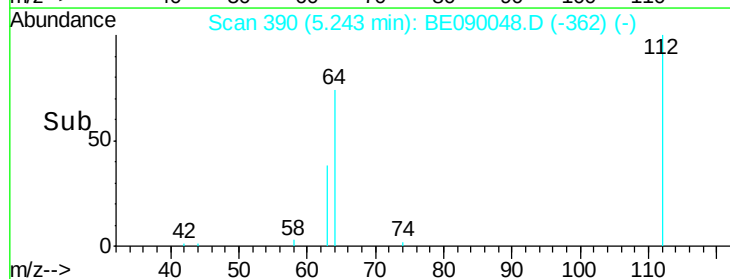
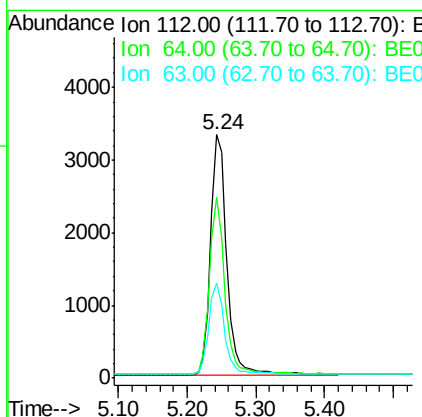
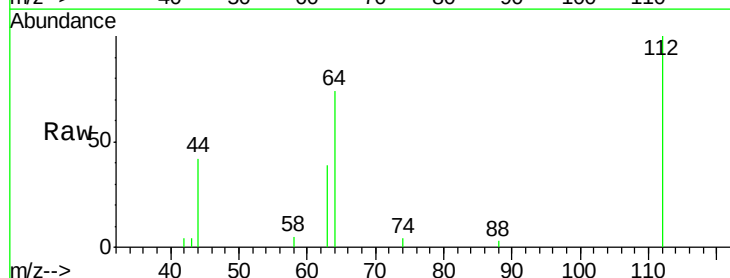
RT: 5.24 min Scan# 390

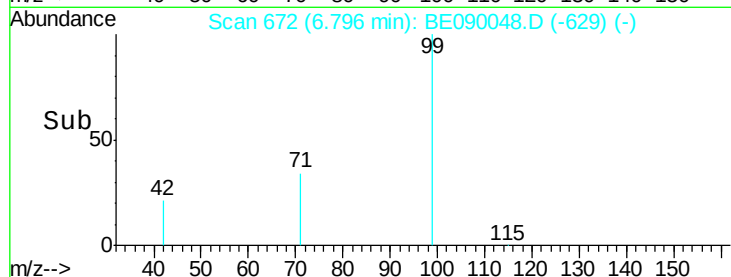
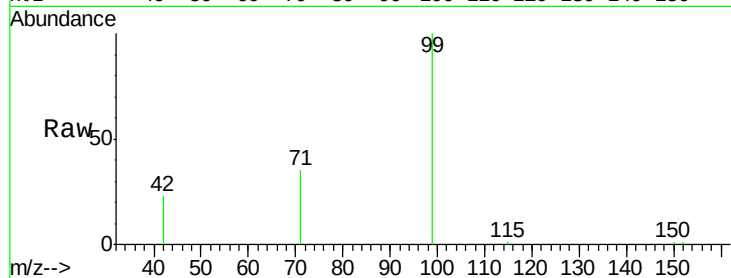
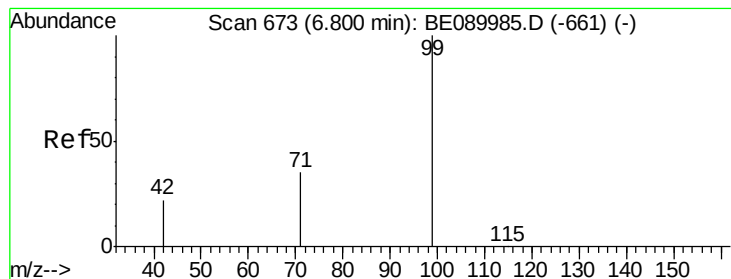
Delta R.T. -0.01 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion:	112	Resp:	5470
Ion Ratio	Lower	Upper	
112	100		
64	70.0	56.3	84.5
63	37.1	29.8	44.6





#5

Phenol-d6

Concen: 1.66 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion:	99	Resp:	8040
Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.7	28.1
71	33.4	27.5	41.3

Instrument :

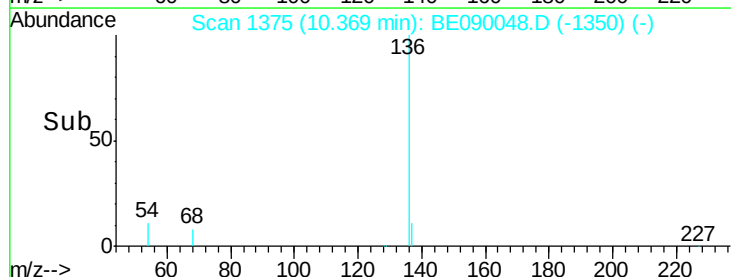
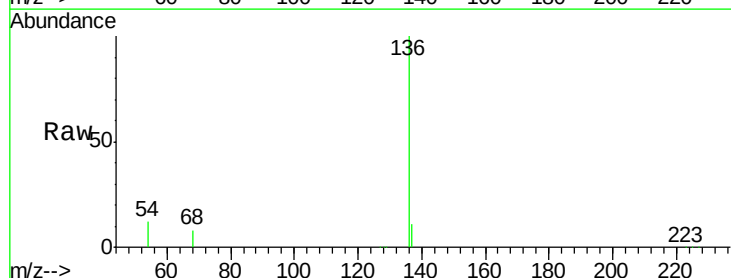
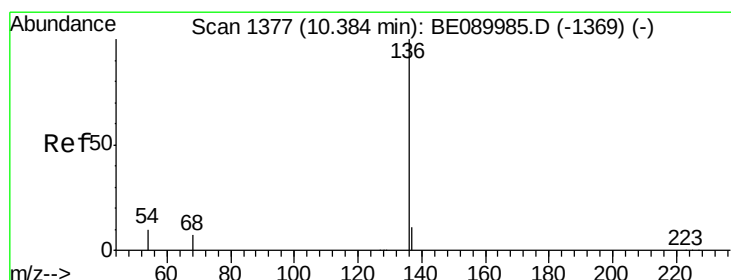
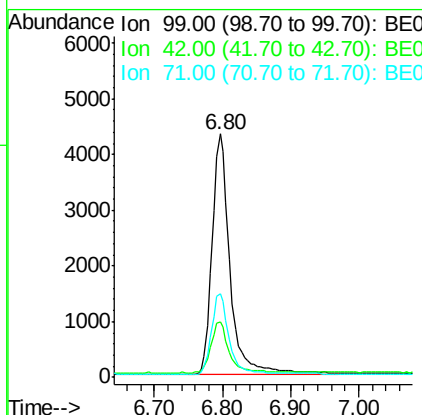
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#6

Naphthalene-d8

Concen: 5.00 ng

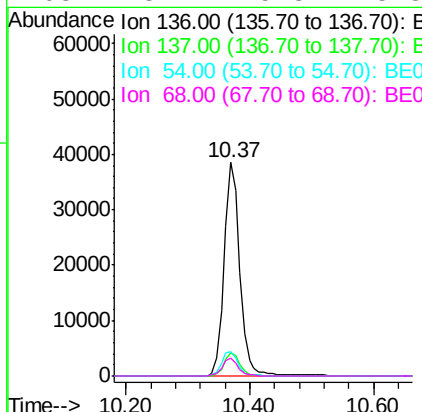
RT: 10.37 min Scan# 1375

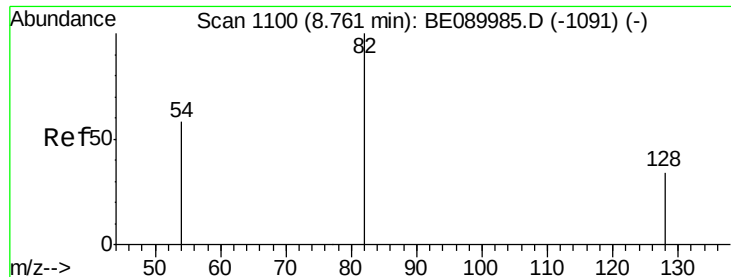
Delta R.T. -0.01 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion:	136	Resp:	67140
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	11.5	8.2	12.4
68	8.4	5.8	8.8





#7

Nitrobenzene-d5

Concen: 0.90 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090048.D

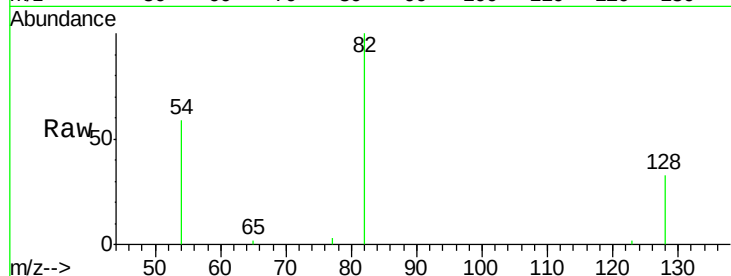
Acq: 1 Jul 2015 19:33

Instrument :

BNA_E

ClientSampleId :

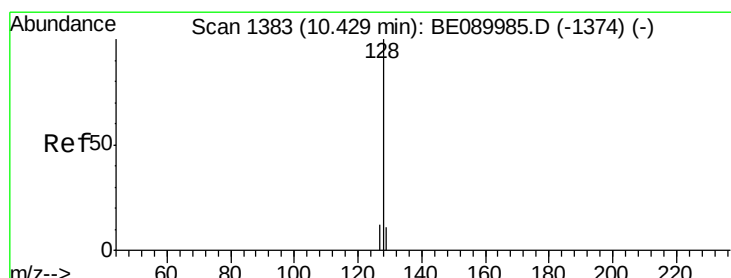
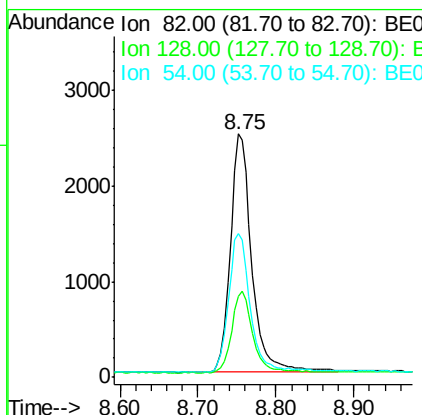
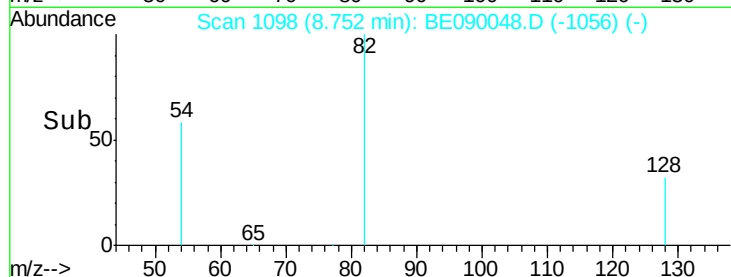
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Tgt Ion:	82	Resp:	4780
Ion	Ratio	Lower	Upper
82	100		
128	33.1	28.0	42.0
54	59.3	47.6	71.4

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#9

Naphthalene

Concen: 0.08 ng

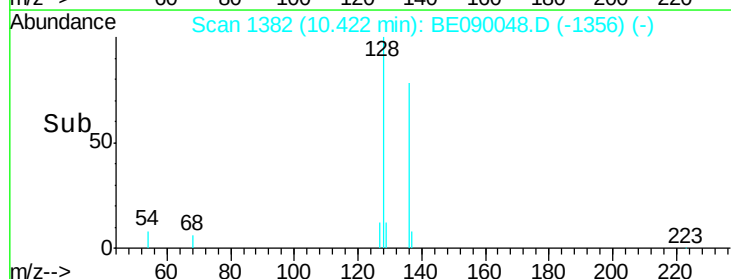
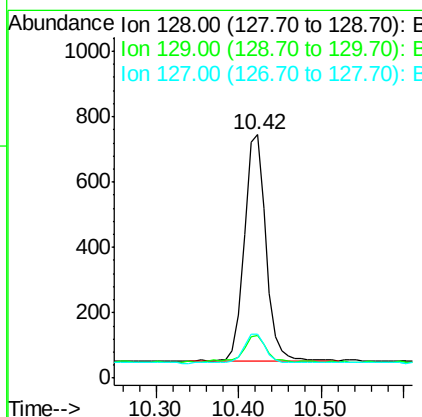
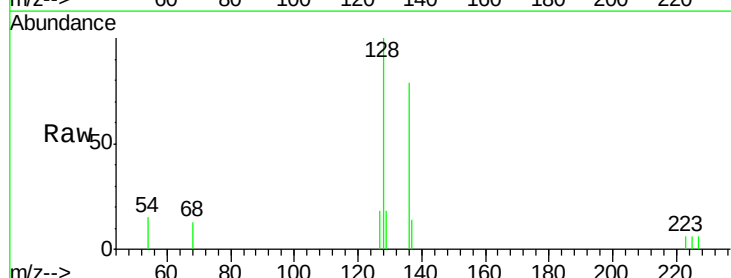
RT: 10.42 min Scan# 1382

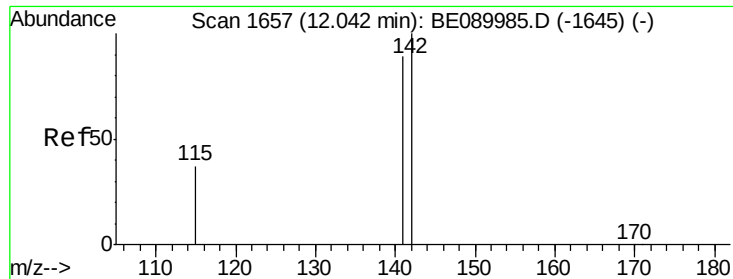
Delta R.T. -0.01 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion:	128	Resp:	1264
Ion	Ratio	Lower	Upper
128	100		
129	17.7	9.3	13.9#
127	17.9	10.2	15.4#





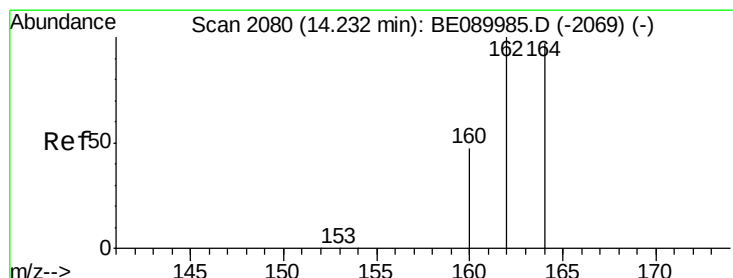
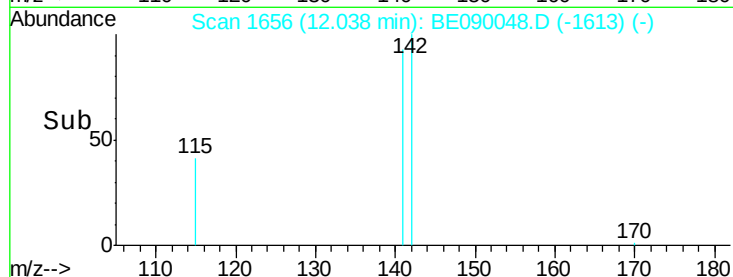
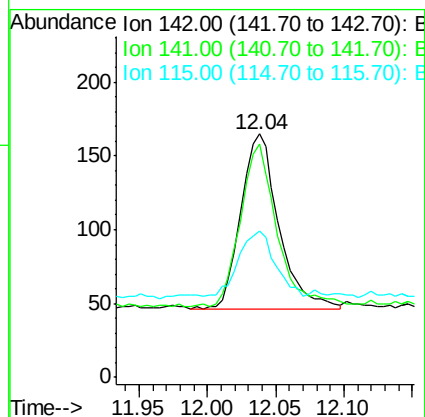
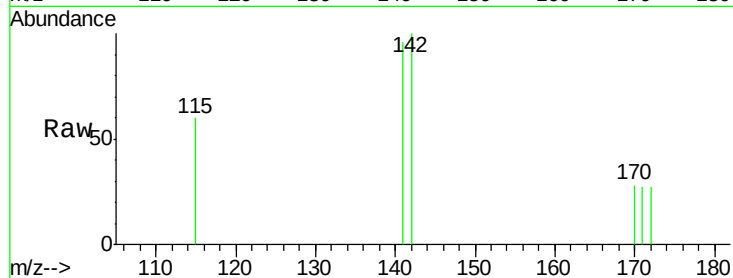
#11
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE090048.D
Acq: 1 Jul 2015 19:33

Instrument :
BNA_E
ClientSampleId :
X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.8	71.3	106.9
115	60.0	30.4	45.6

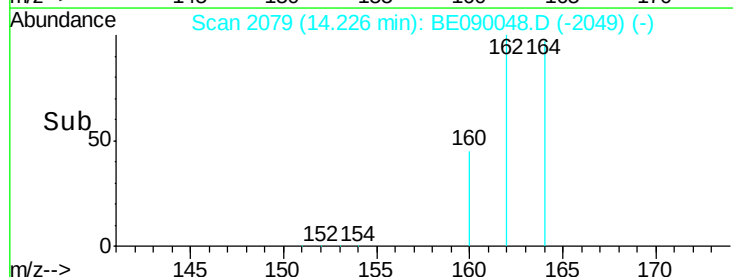
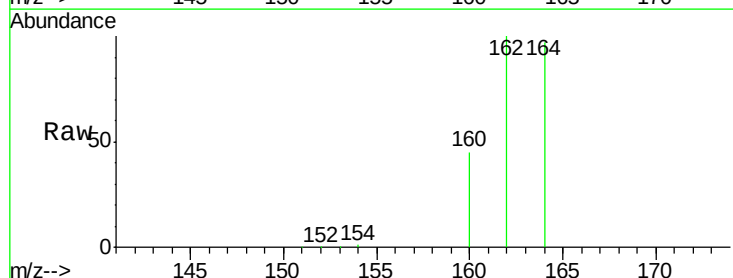
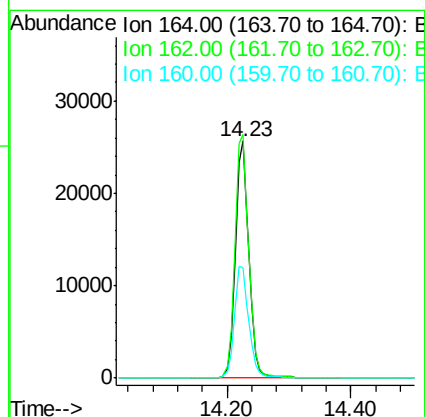
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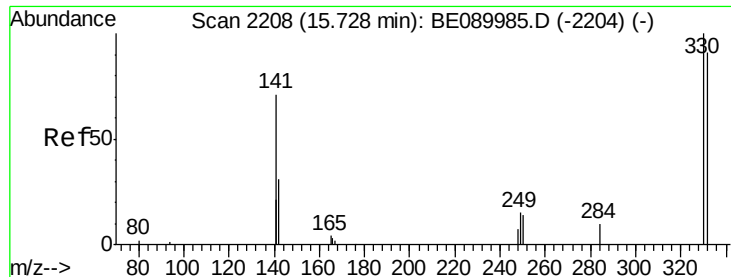
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090048.D
Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.4
160	46.6	39.0	58.6





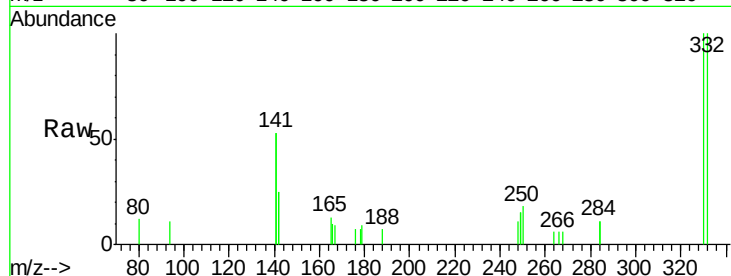
#13
 2,4,6-Tribromophenol
 Concen: 1.28 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

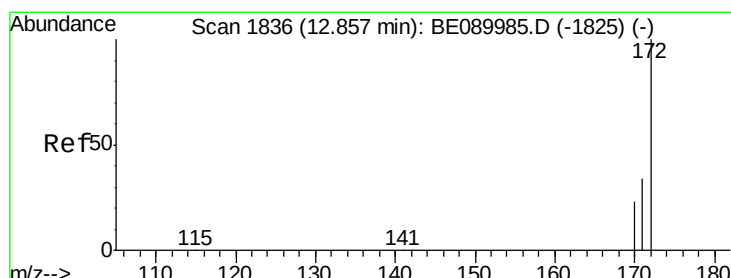
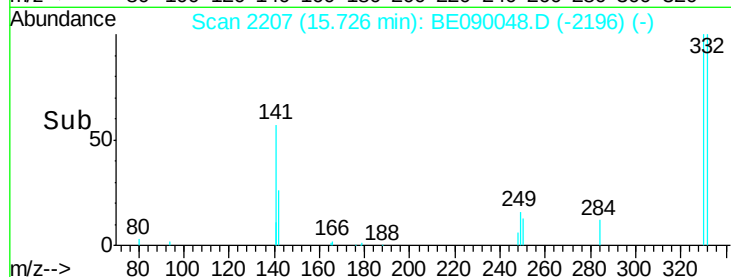
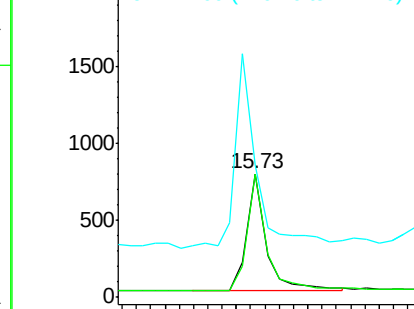
Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.4	114.6
141	184.8	130.3	195.5

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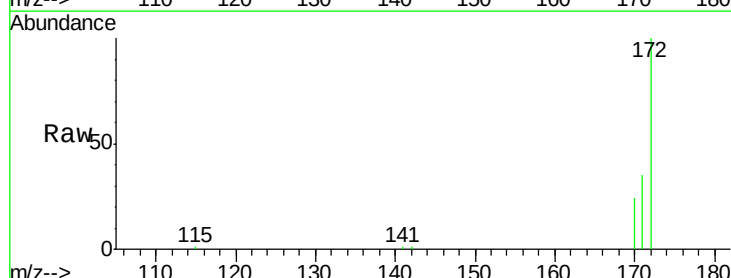


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

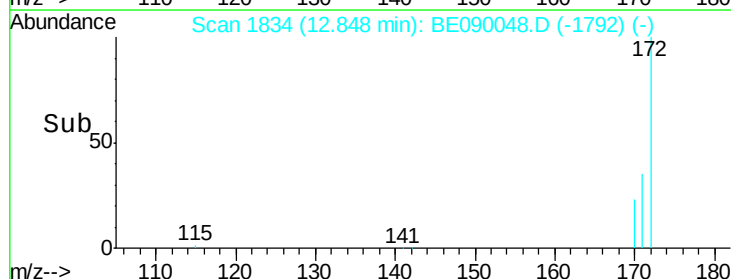
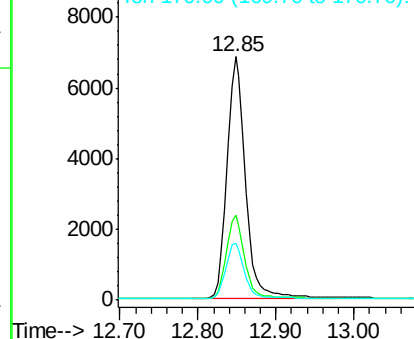


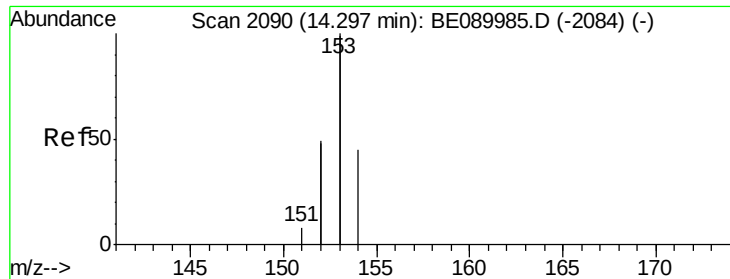
#14
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	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





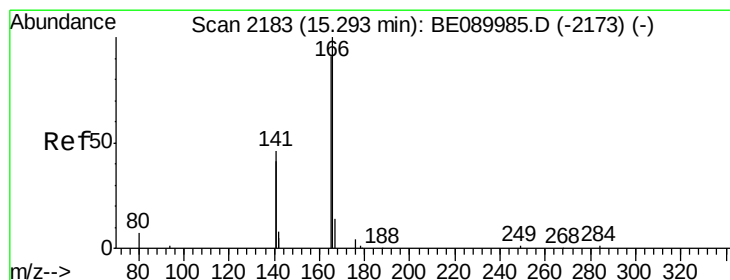
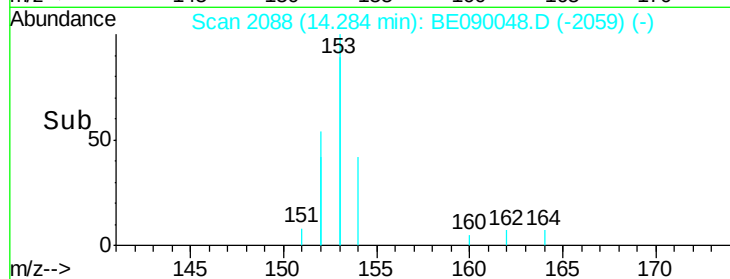
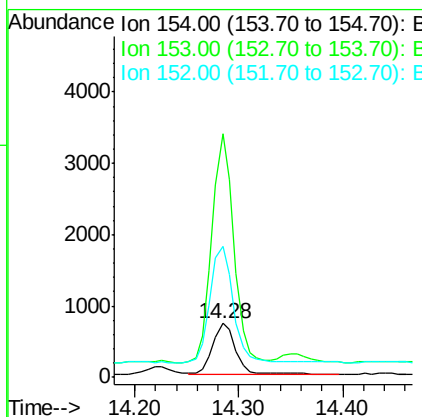
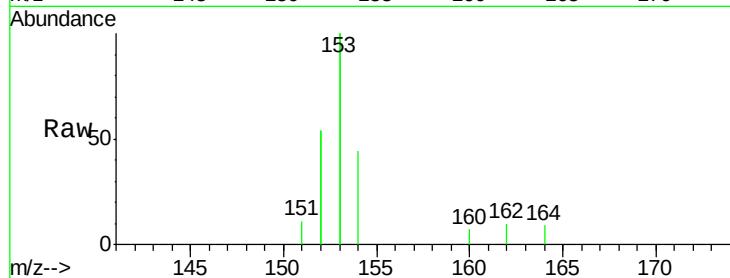
#16
Acenaphthene
Concen: 0.10 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	445.5	358.6	538.0
152	244.7	189.6	284.4

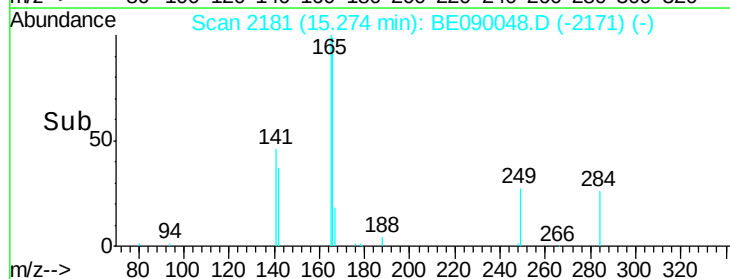
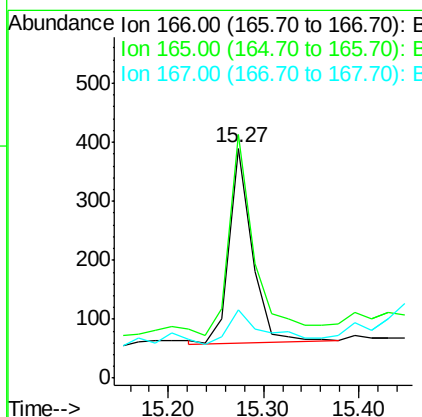
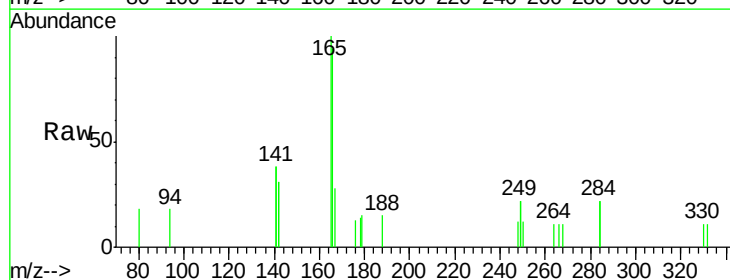
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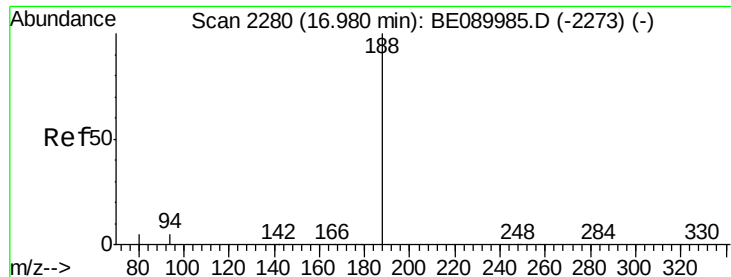
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#17
Fluorene
Concen: 0.04 ng
RT: 15.27 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BE090048.D
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	130.2	79.0	118.6#
167	28.6	11.8	17.8#





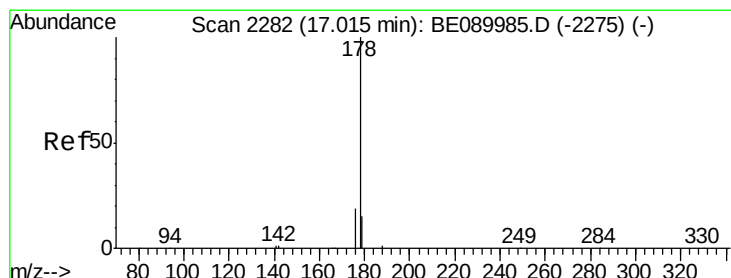
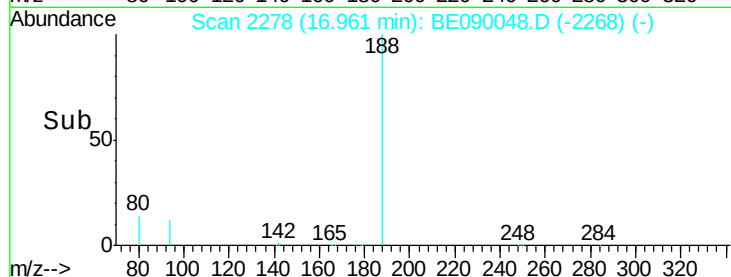
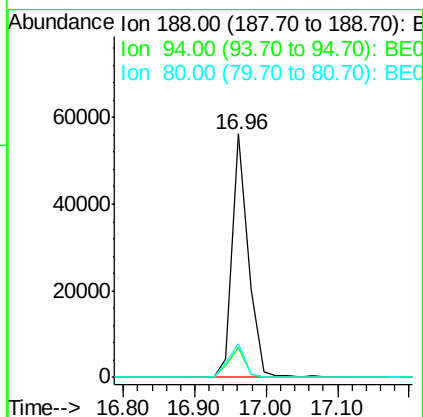
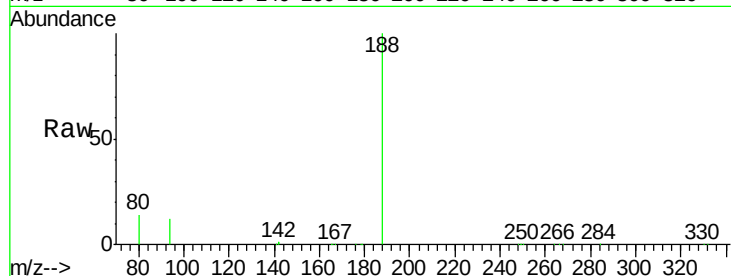
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090048.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	4.1	6.1#
80	13.8	4.2	6.2#

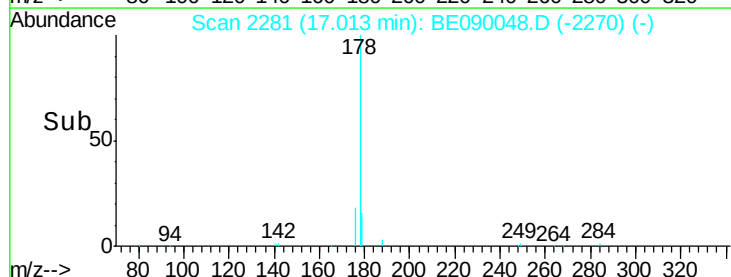
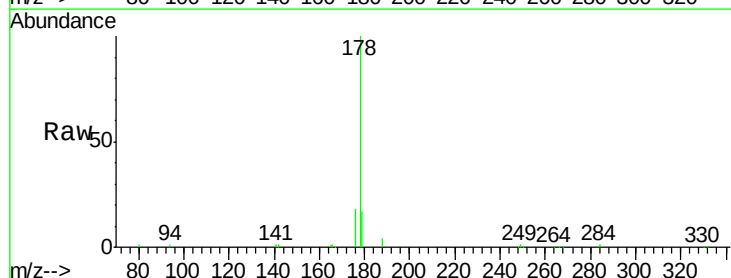
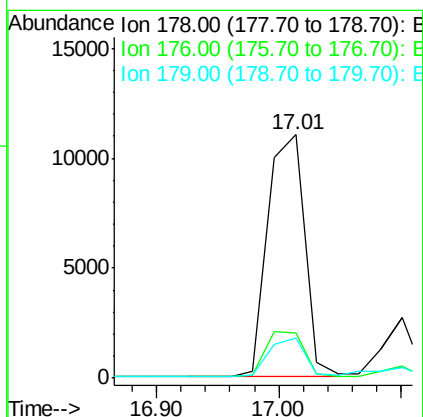
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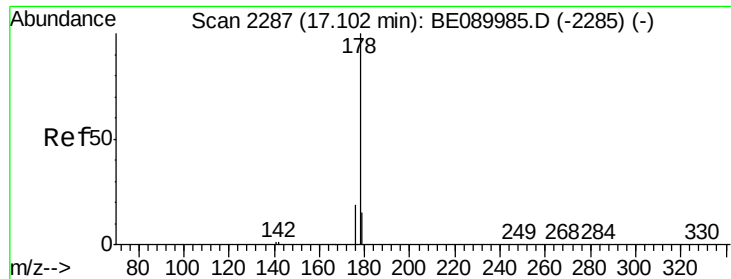
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#22
Phenanthrene
Concen: 1.04 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090048.D
Acq: 1 Jul 2015 19:33

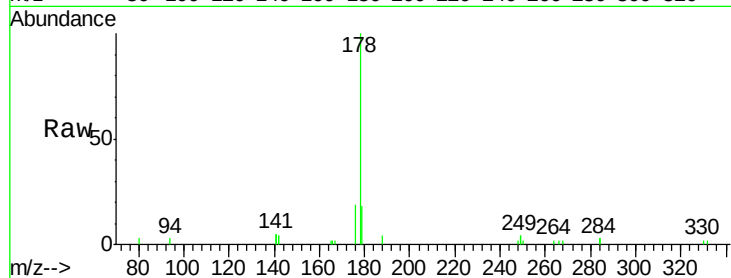
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.3	22.9
179	16.0	12.4	18.6





#23
 Anthracene
 Concen: 0.23 ng m
 RT: 17.10 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

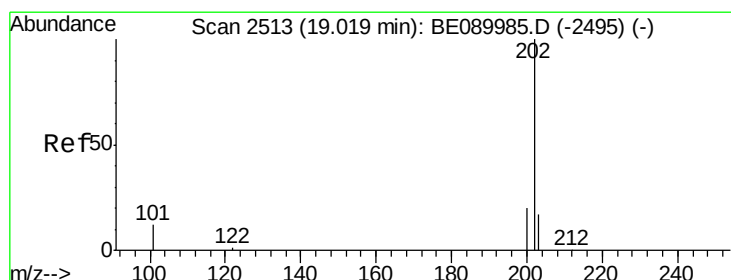
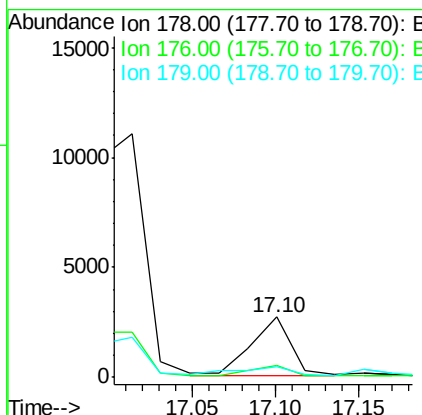
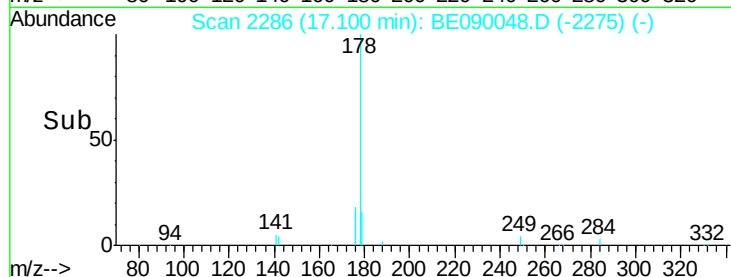
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	95.3	14.7	22.1#
179	78.1	12.1	18.1#

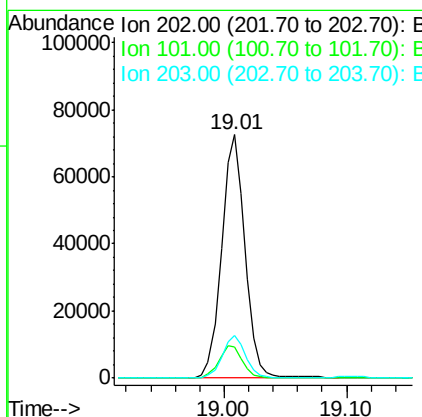
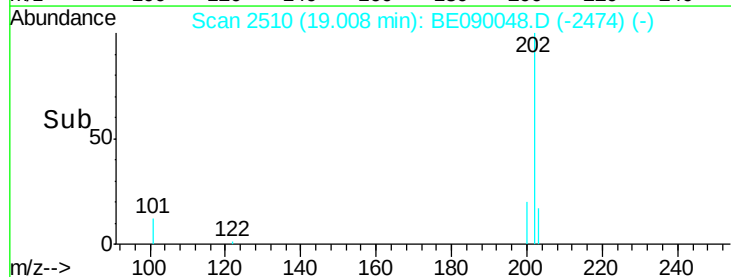
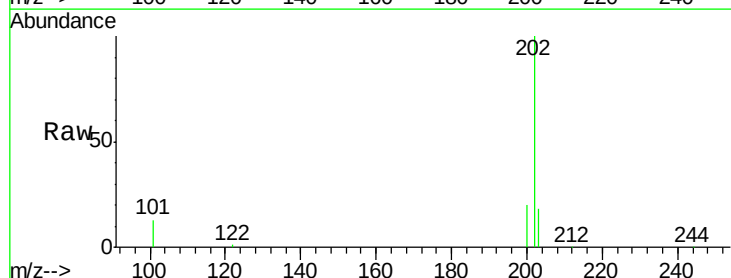
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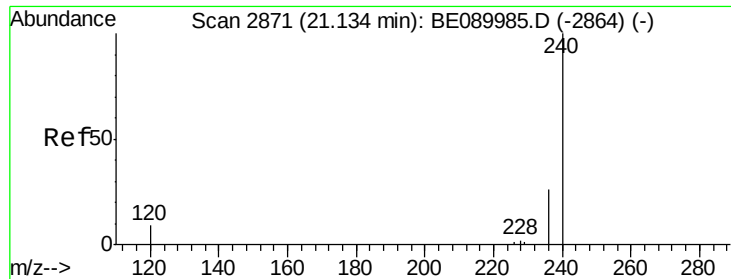
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#24
 Fluoranthene
 Concen: 3.88 ng
 RT: 19.01 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
203	17.2	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: BE090048.D

Acq: 1 Jul 2015 19:33

Instrument :

BNA_E

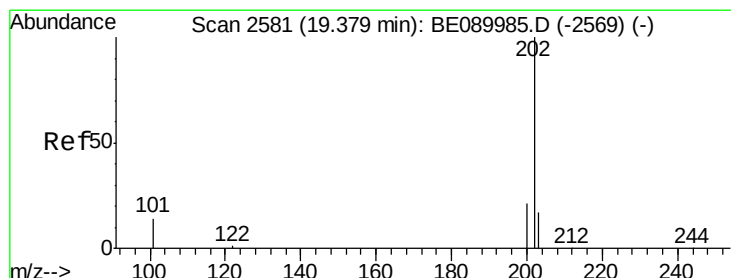
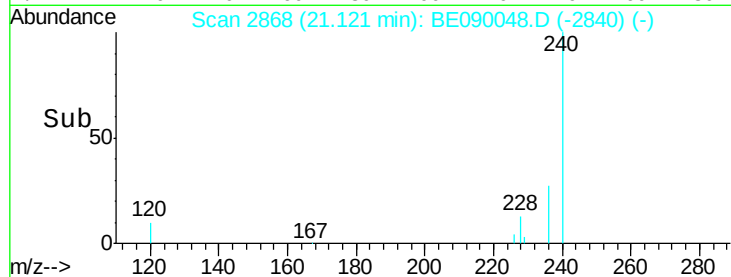
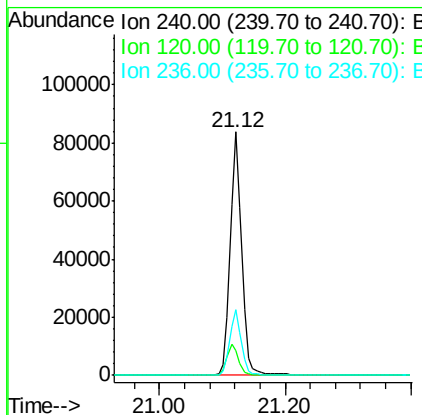
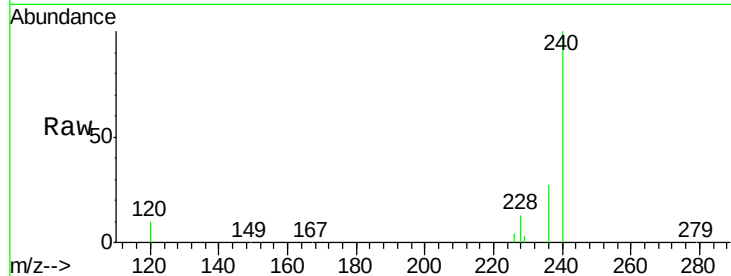
ClientSampleId :

X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	6.9	10.3#
236	27.0	20.8	31.2

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#26

Pyrene

Concen: 3.72 ng

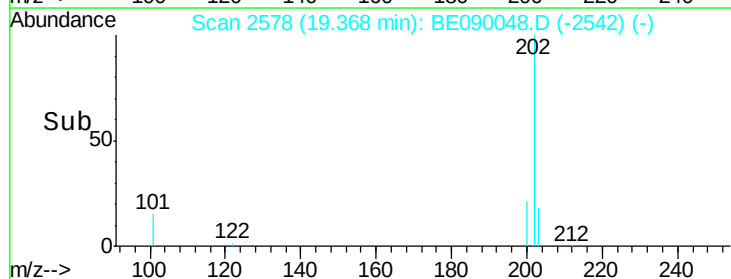
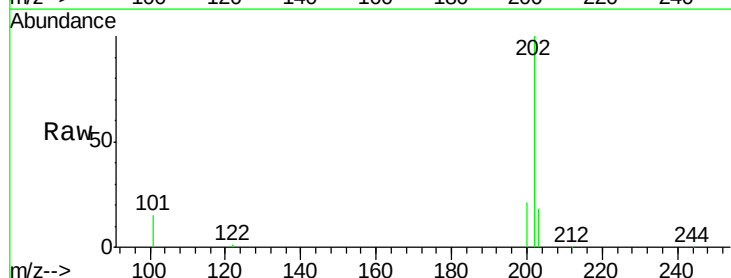
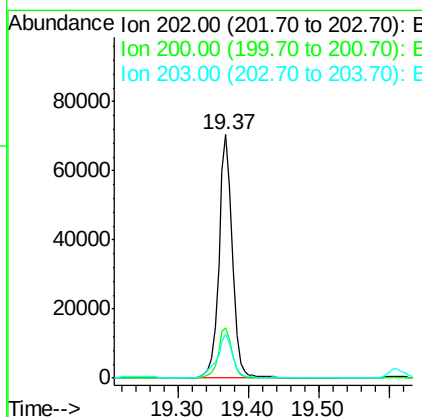
RT: 19.37 min Scan# 2578

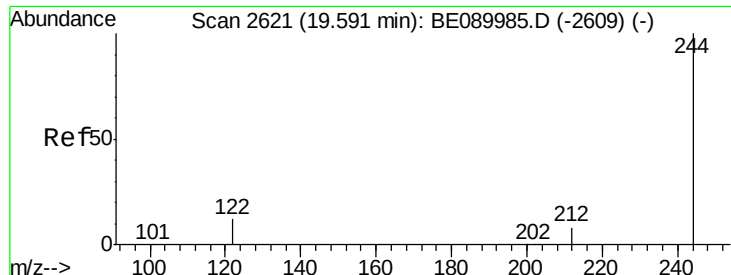
Delta R.T. -0.01 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	21.1	13.9	20.9#





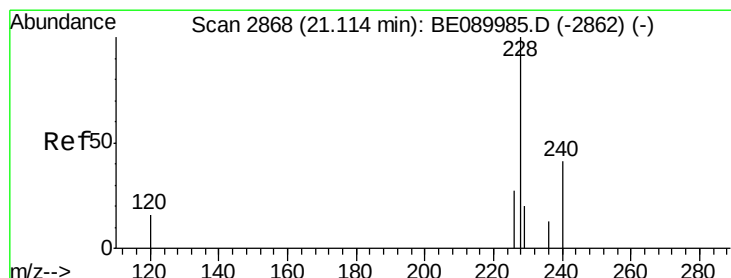
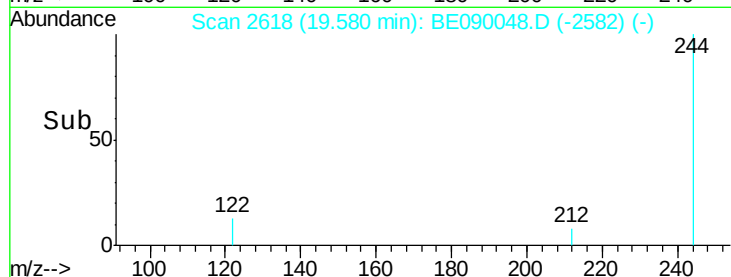
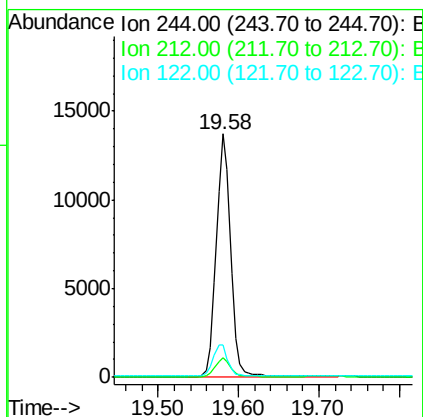
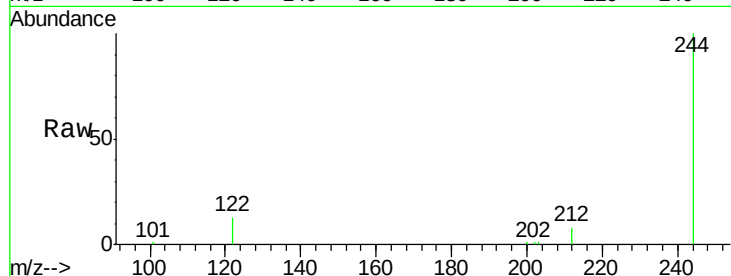
#27
 Terphenyl-d14
 Concen: 0.95 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	13.2	9.8	14.8

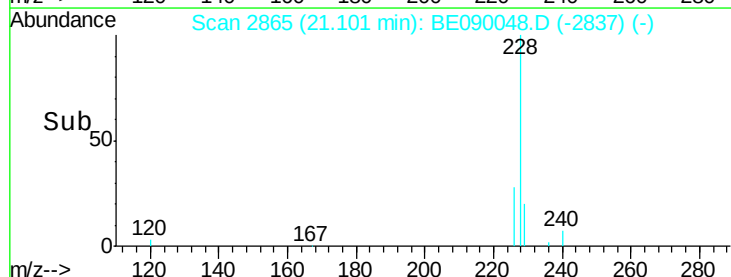
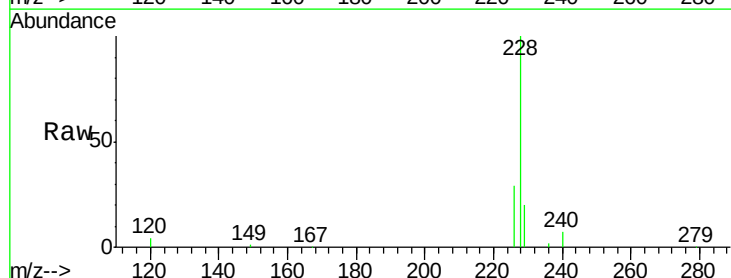
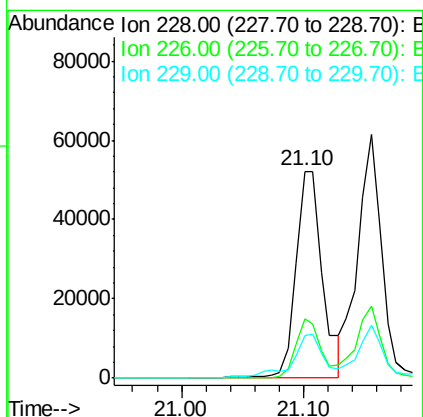
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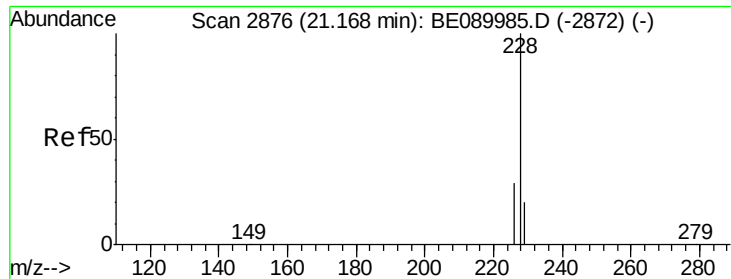
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#28
 Benzo(a)anthracene
 Concen: 2.92 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.6
229	20.4	15.8	23.6





#29

Chrysene

Concen: 3.05 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090048.D

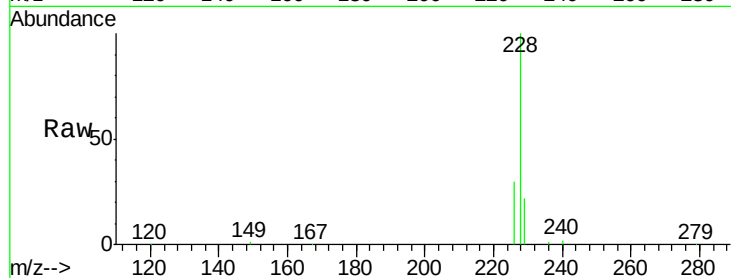
Acq: 1 Jul 2015 19:33

Instrument :

BNA_E

ClientSampleId :

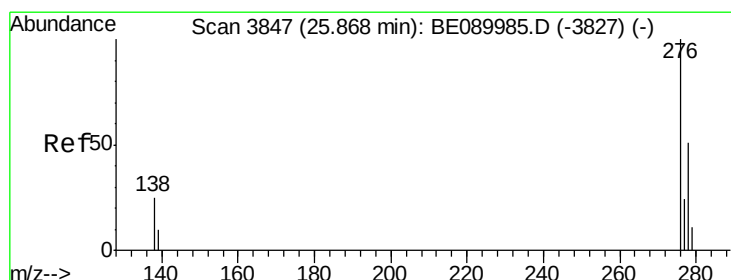
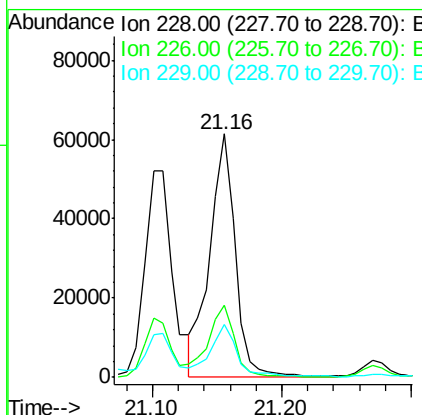
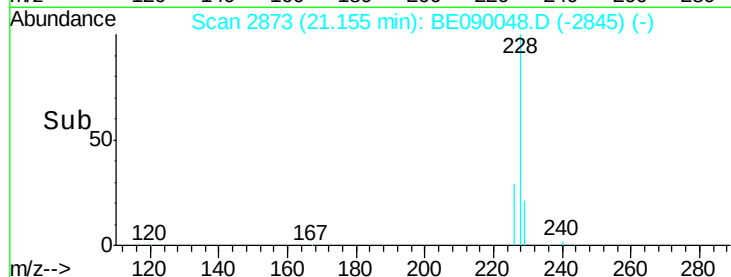
X1SS0660624-150626DL



Tgt Ion:	228	Resp:	84106
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.0
229	21.7	16.2	24.2

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#31

Indeno(1,2,3-cd)pyrene

Concen: 2.01 ng

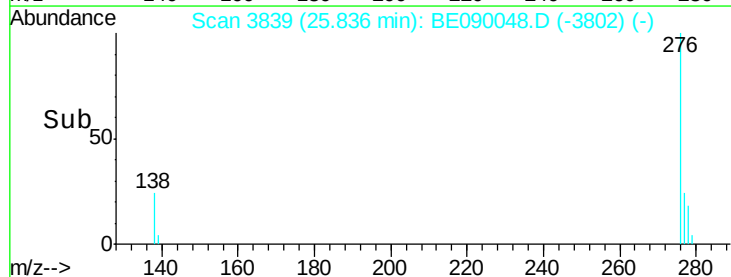
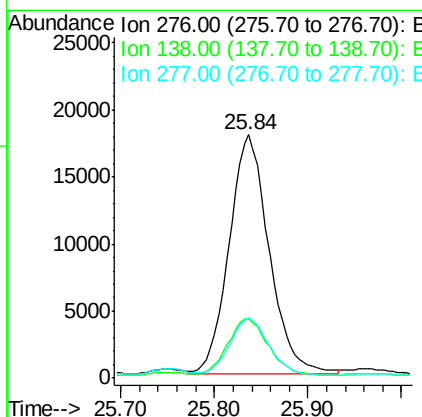
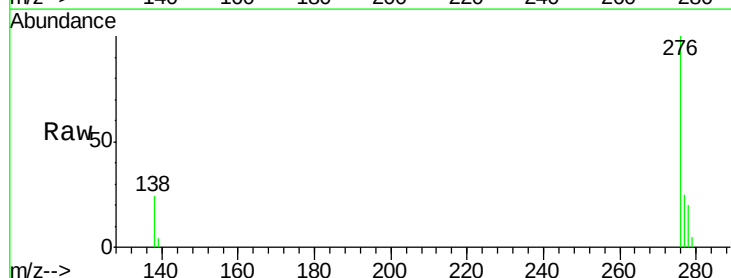
RT: 25.84 min Scan# 3839

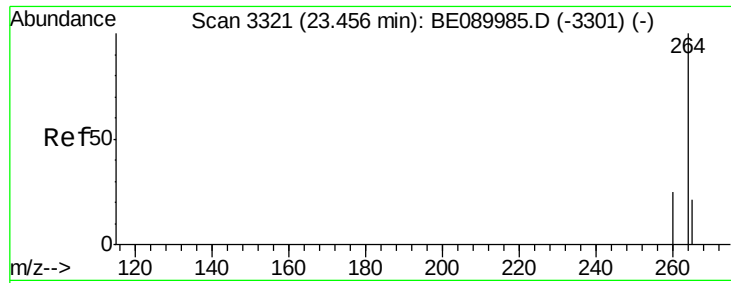
Delta R.T. -0.03 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

Tgt Ion:	276	Resp:	53135
Ion Ratio	Lower	Upper	
276	100		
138	24.3	21.3	31.9
277	23.4	19.7	29.5





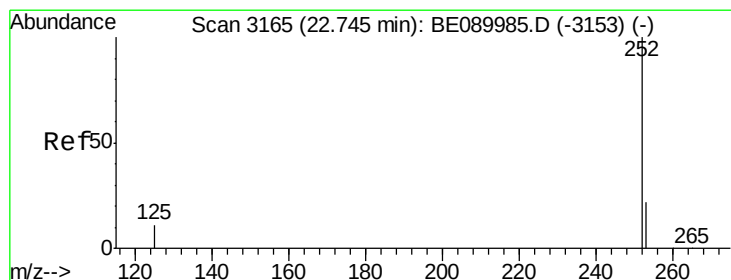
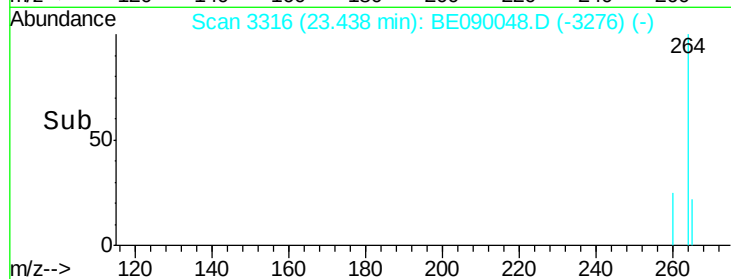
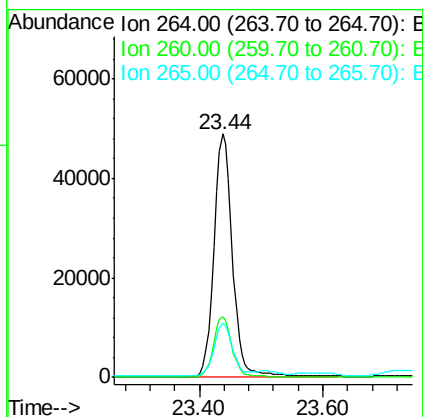
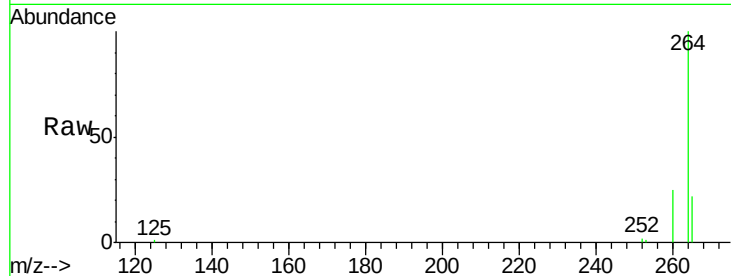
#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	101384		
260	25.1	20.2	30.2	
265	22.2	17.1	25.7	

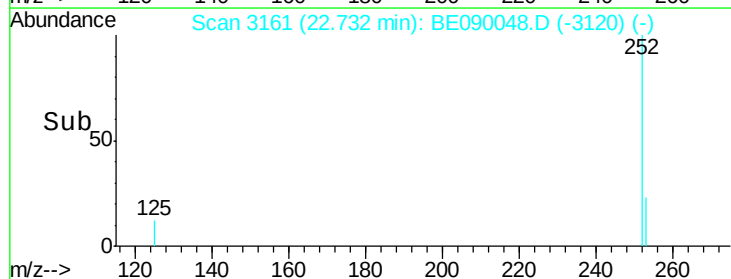
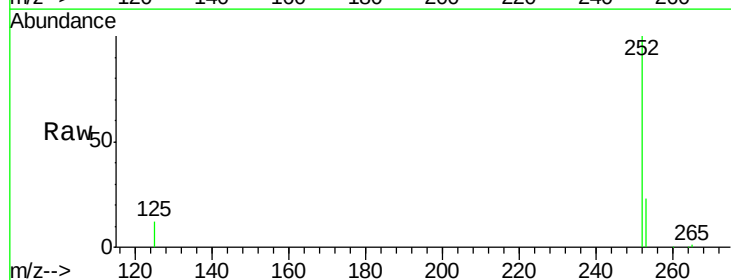
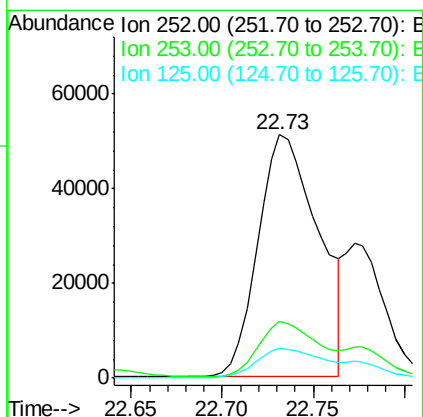
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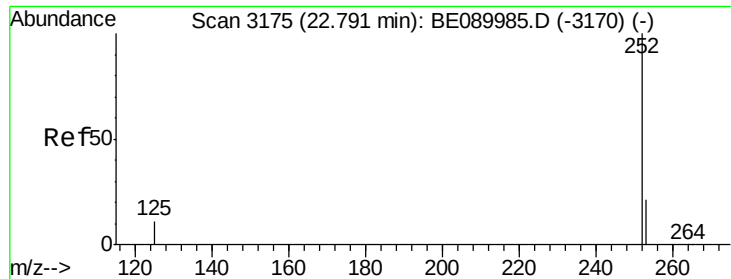
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#33
Benzo(b)fluoranthene
 Concen: 5.29 ng
 RT: 22.73 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	118416		
253	23.1	17.8	26.8	
125	12.1	9.0	13.4	





#34

Benzo(k)fluoranthene

Concen: 1.79 ng m

RT: 22.77 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BE090048.D

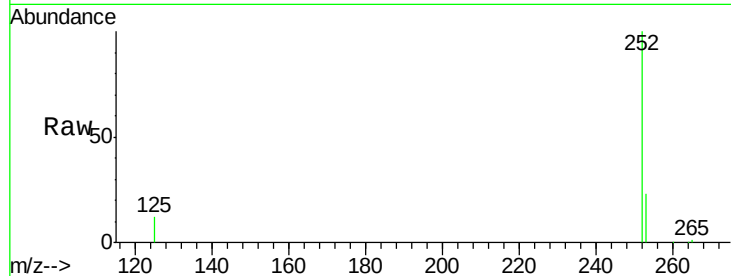
Acq: 1 Jul 2015 19:33

Instrument :

BNA_E

ClientSampleId :

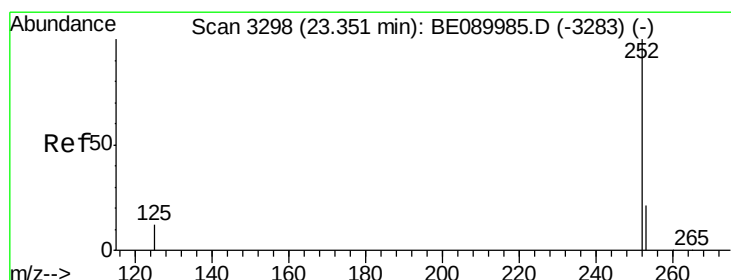
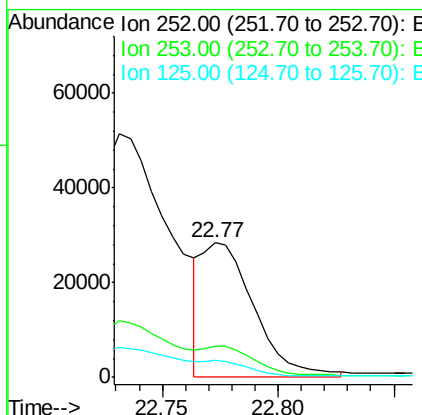
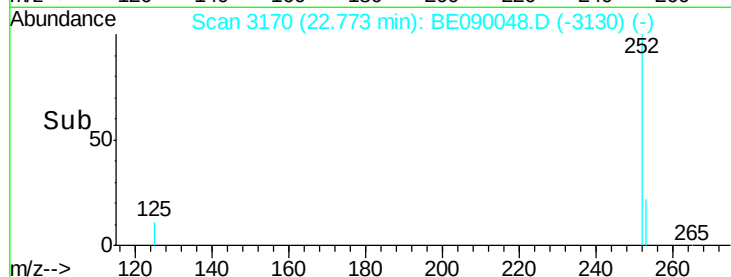
X1SS0660624-150626DL



Tgt Ion:	252	Resp:	44656
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	12.2	9.5	14.3

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#35

Benzo(a)pyrene

Concen: 3.93 ng

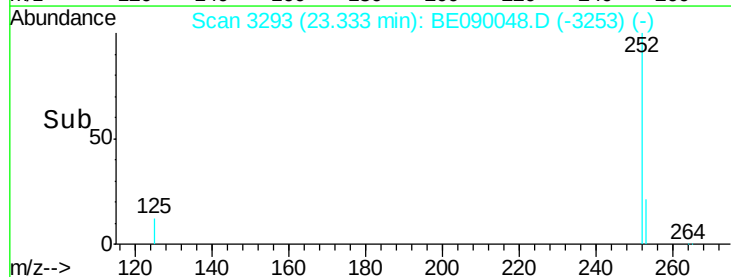
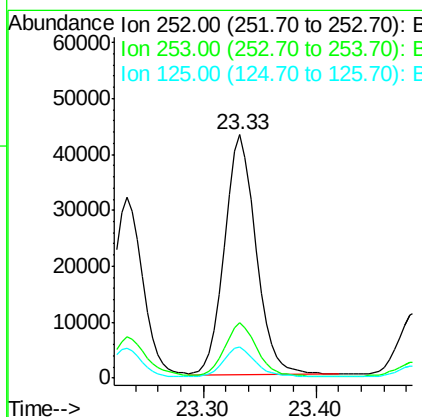
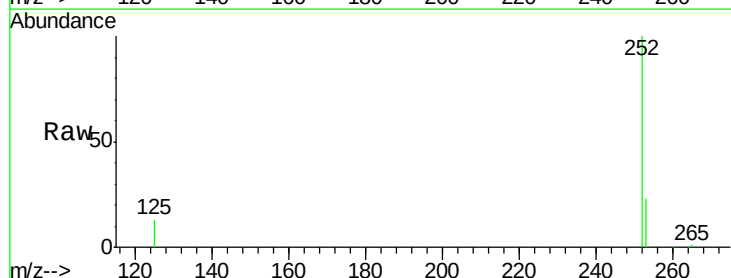
RT: 23.33 min Scan# 3293

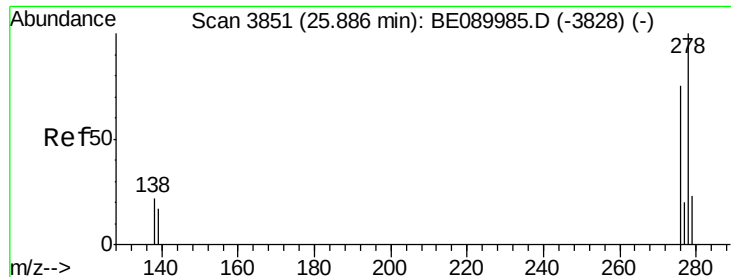
Delta R.T. -0.02 min

Lab File: BE090048.D

Acq: 1 Jul 2015 19:33

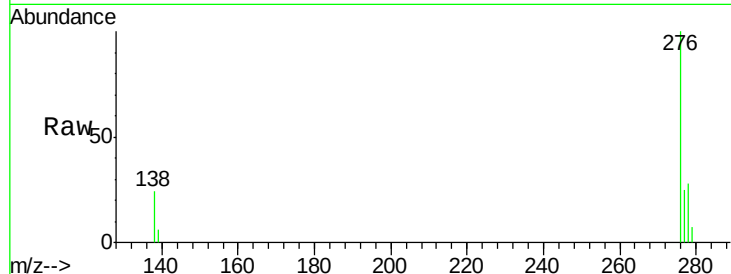
Tgt Ion:	252	Resp:	81089
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.2
125	12.7	10.5	15.7





#36
 Dibenzo(a,h)anthracene
 Concen: 0.61 ng
 RT: 25.85 min Scan# 3842
 Delta R.T. -0.04 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

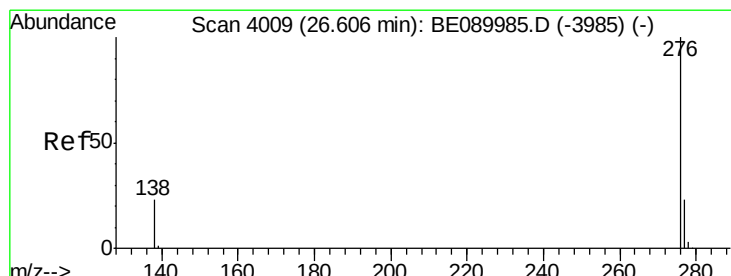
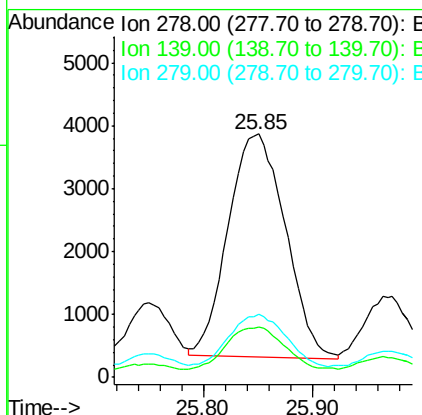
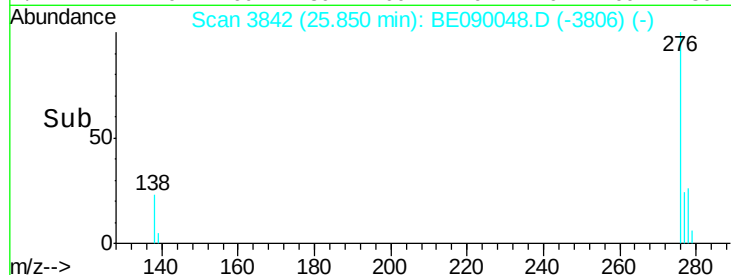
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL



Tgt Ion: 278 Resp: 12886
 Ion Ratio Lower Upper
 278 100
 139 20.4 14.4 21.6
 279 25.7 19.0 28.6

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#37
 Benzo(g,h,i)perylene
 Concen: 2.54 ng
 RT: 26.57 min Scan# 4001
 Delta R.T. -0.03 min
 Lab File: BE090048.D
 Acq: 1 Jul 2015 19:33

Tgt Ion: 276 Resp: 54638
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.8 28.2
 138 25.7 18.6 27.8

