

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
 Data File : BE090043.D
 Acq On : 1 Jul 2015 15:05
 Operator : TP/IZ
 Sample : G2810-26DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625DL

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Quant Time: Jul 02 05:51:28 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	7.61	152	17764	5.00	ng	-0.01
6) Naphthalene-d8	10.37	136	78518	5.00	ng	-0.02
12) Acenaphthene-d10	14.22	164	45826	5.00	ng	-0.01
18) Phenanthrene-d10	16.96	188	106575	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	132714	5.00	ng	-0.01
32) Perylene-d12	23.44	264	125802	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	2212	0.54	ng	-0.01
5) Phenol-d6	6.79	99	3161	0.55	ng	-0.01
7) Nitrobenzene-d5	8.75	82	1947	0.31	ng	-0.01
13) 2,4,6-Tribromophenol	15.73	330	496	0.37	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	4691	0.34	ng	0.00
27) Terphenyl-d14	19.58	244	7263	0.33	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.41	128	1489	0.08	ng	# 90
16) Acenaphthene	14.29	154	984	0.08	ng	93
17) Fluorene	15.27	166	703	0.04	ng	# 81
22) Phenanthrene	17.00	178	25632	0.94	ng	99
23) Anthracene	17.10	178	4806m	0.19	ng	
24) Fluoranthene	19.00	202	87279	2.86	ng	100
26) Pyrene	19.36	202	82661	2.61	ng	97
28) Benzo(a)anthracene	21.11	228	62348	1.88	ng	97
29) Chrysene	21.15	228	68966	2.00	ng	98
31) Indeno(1,2,3-cd)pyrene	25.83	276	34751	1.05	ng	97
33) Benzo(b)fluoranthene	22.73	252	88158	3.18	ng	98
34) Benzo(k)fluoranthene	22.77	252	30892m	1.00	ng	
35) Benzo(a)pyrene	23.33	252	57556	2.25	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	8846	0.34	ng	97
37) Benzo(g,h,i)perylene	26.57	276	35937	1.35	ng	98

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

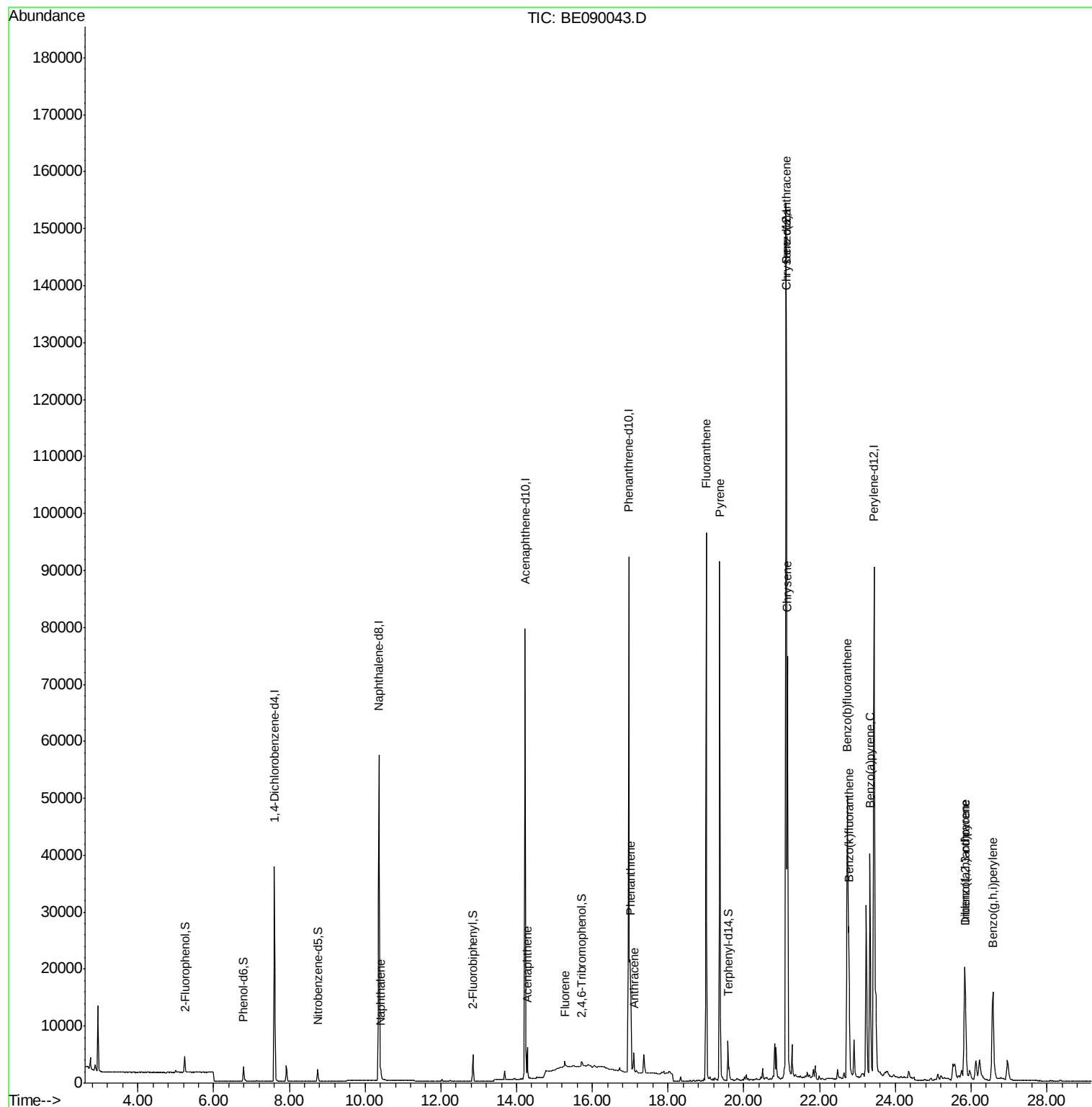
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
Data File : BE090043.D
Acq On : 1 Jul 2015 15:05
Operator : TP/IZ
Sample : G2810-26DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

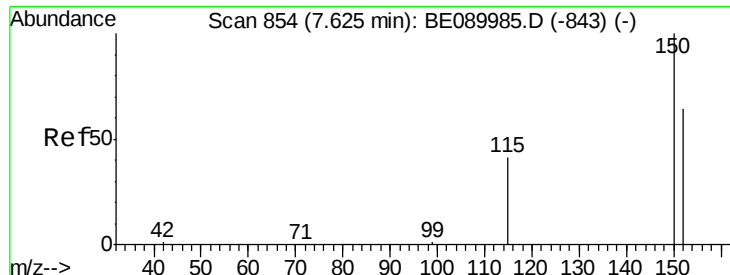
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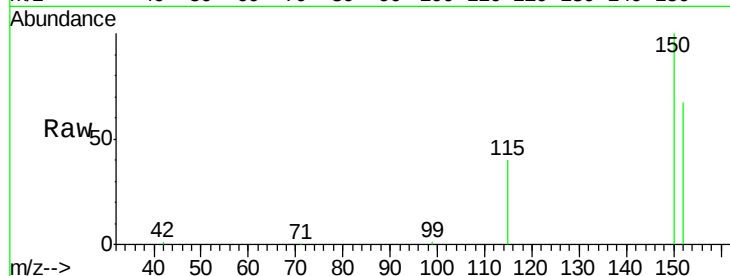
Quant Time: Jul 02 05:51:28 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.61 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

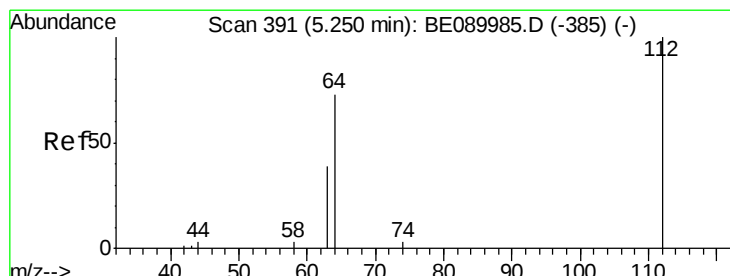
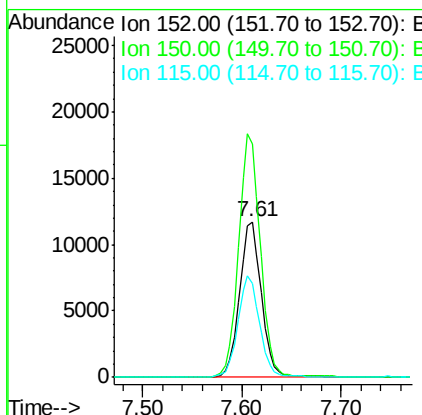
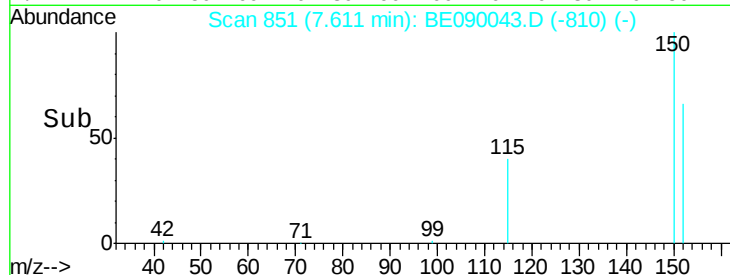
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.2	123.9	185.9
115	60.2	50.6	76.0

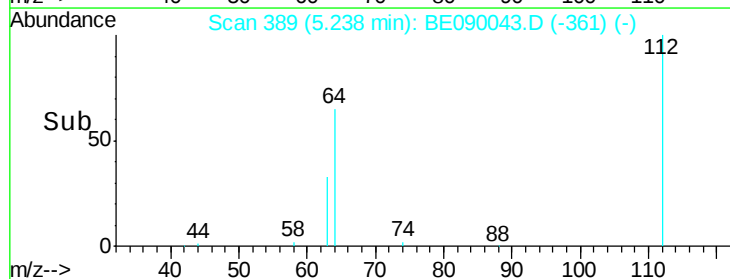
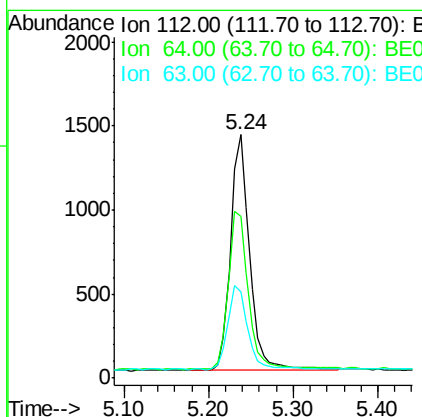
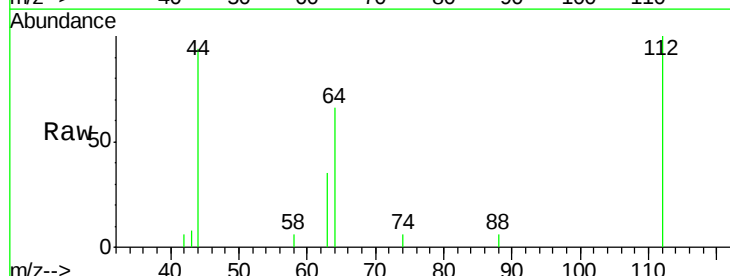
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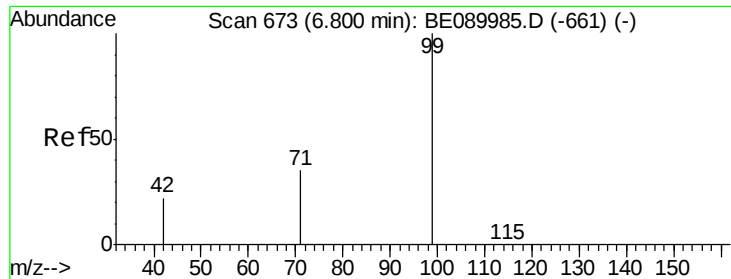
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#4
 2-Fluorophenol
 Concen: 0.54 ng
 RT: 5.24 min Scan# 389
 Delta R.T. -0.01 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	56.3	84.5
63	36.8	29.8	44.6





#5

Phenol-d6

Concen: 0.55 ng

RT: 6.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

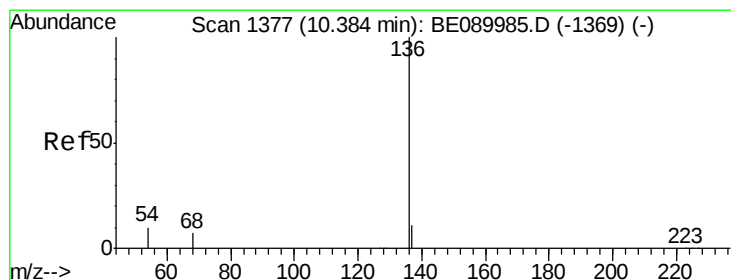
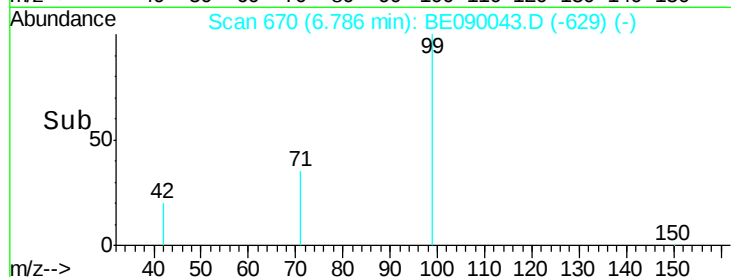
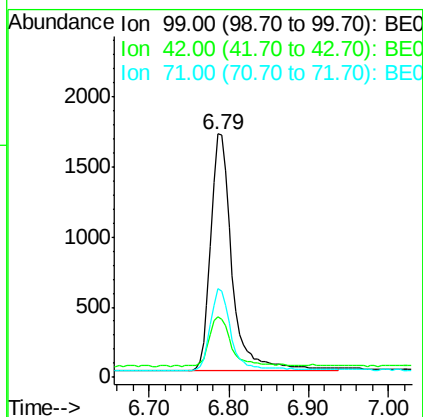
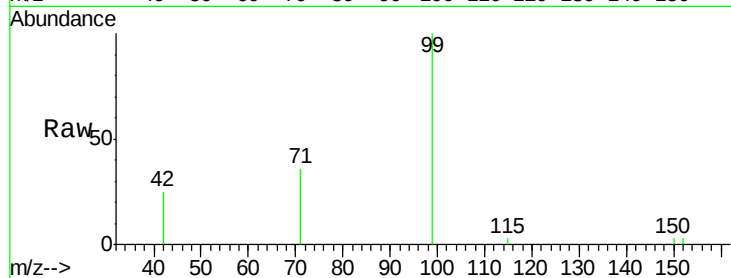
ClientSampleId :

X1SS0520006-150625DL

Tgt Ion:	99	Resp:	3161
Ion Ratio	Lower	Upper	
99	100		
42	20.9	18.7	28.1
71	33.2	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

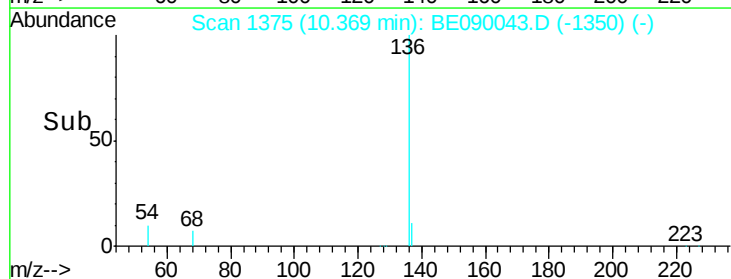
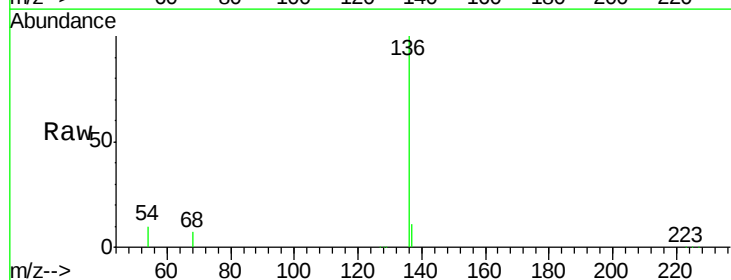
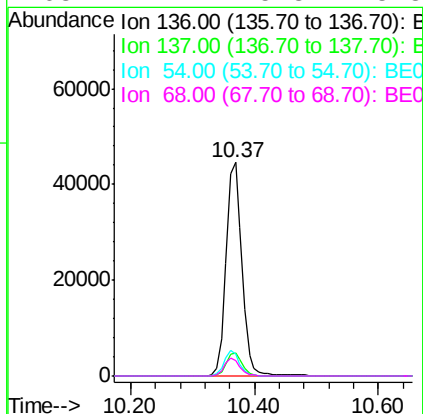
RT: 10.37 min Scan# 1375

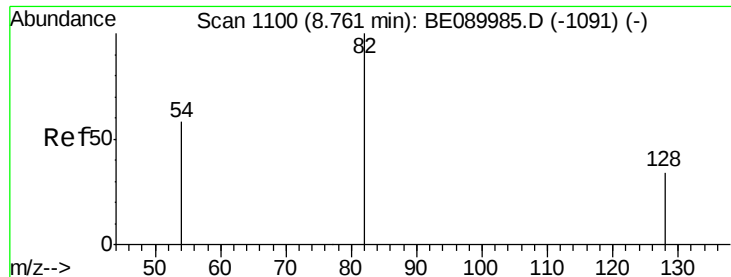
Delta R.T. -0.02 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Tgt Ion:	136	Resp:	78518
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	10.3	8.2	12.4
68	7.2	5.8	8.8





#7

Nitrobenzene-d5

Concen: 0.31 ng

RT: 8.75 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BE090043.D

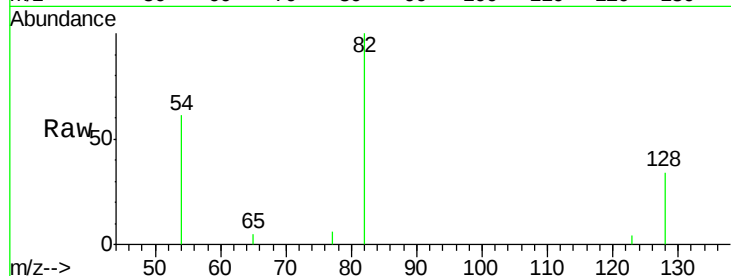
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Instrument :

BNA_E

ClientSampleId :

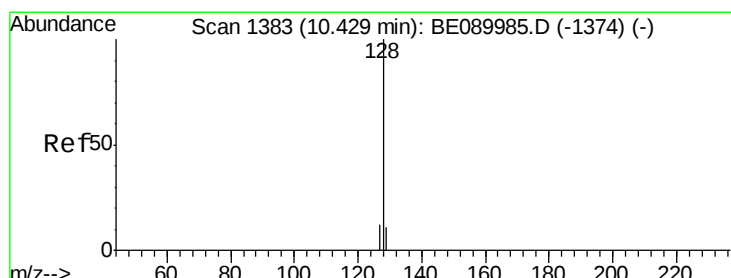
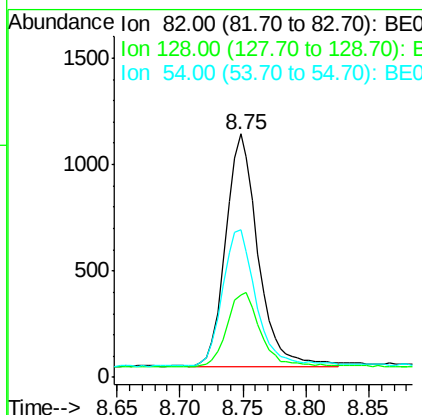
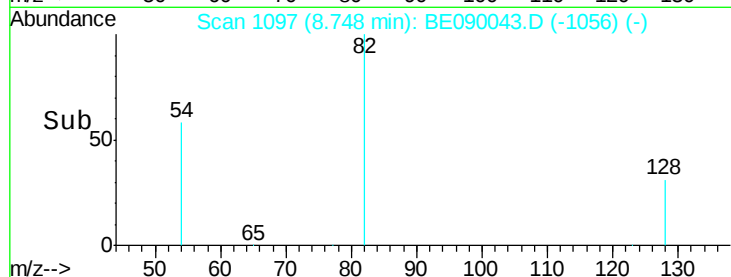
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Tgt Ion:	82	Resp:	1947
Ion Ratio	Lower	Upper	
82	100		
128	33.8	28.0	42.0
54	60.6	47.6	71.4

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#9

Naphthalene

Concen: 0.08 ng

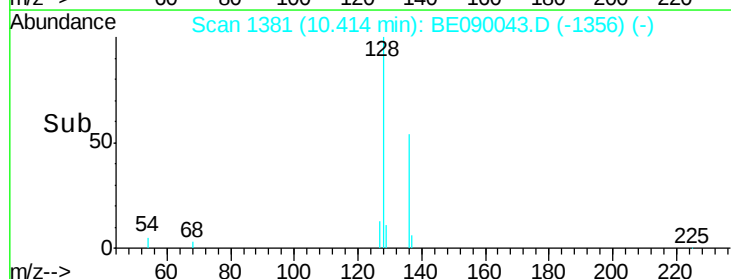
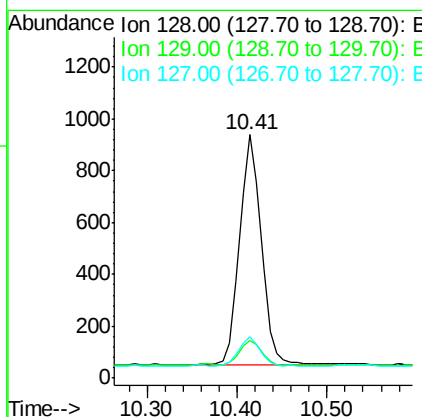
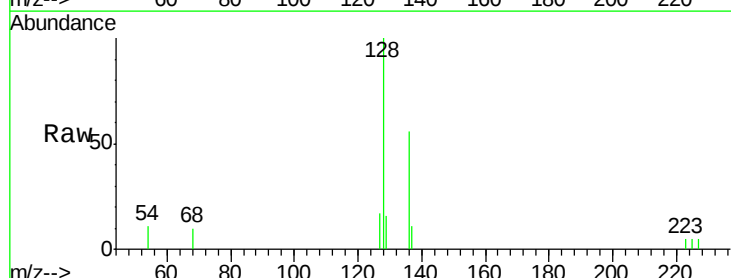
RT: 10.41 min Scan# 1381

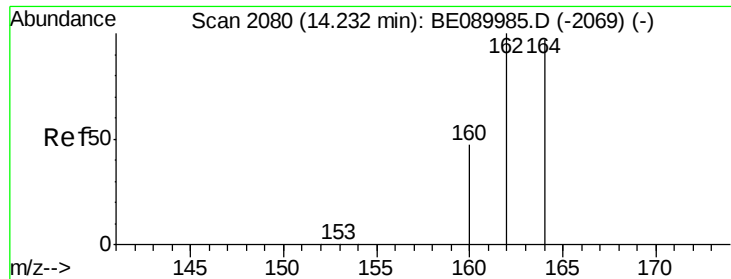
Delta R.T. -0.02 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Tgt Ion:	128	Resp:	1489
Ion Ratio	Lower	Upper	
128	100		
129	15.5	9.3	13.9#
127	16.8	10.2	15.4#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE090043.D

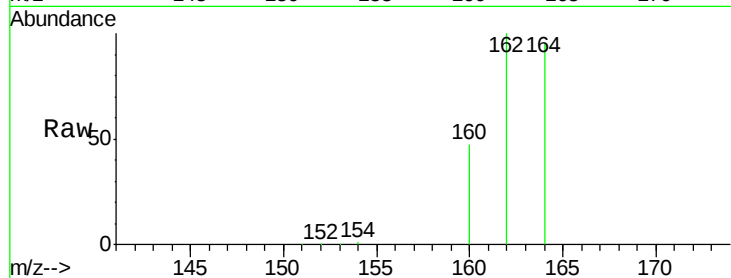
Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625DL



Tgt Ion:164 Resp: 45826

Ion Ratio Lower Upper

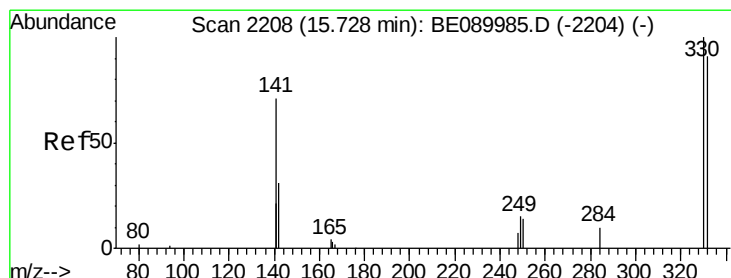
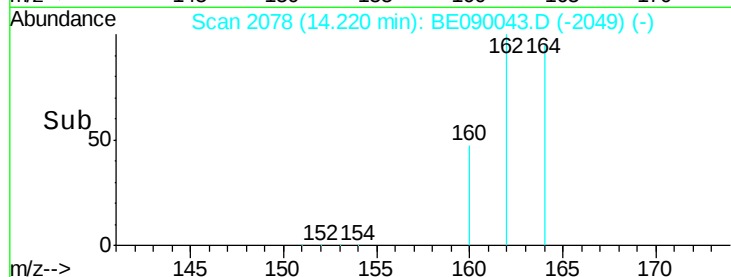
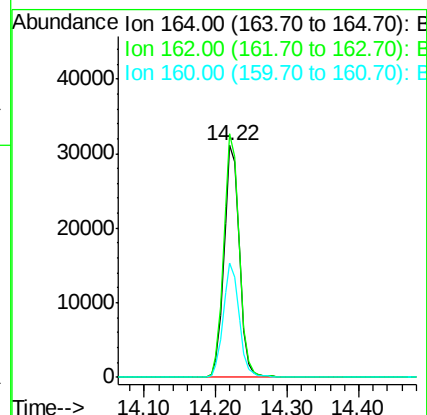
164 100

162 105.0 82.2 123.4

160 49.2 39.0 58.6

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#13

2,4,6-Tribromophenol

Concen: 0.37 ng

RT: 15.73 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

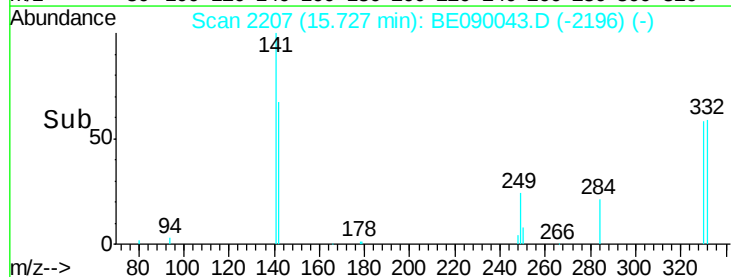
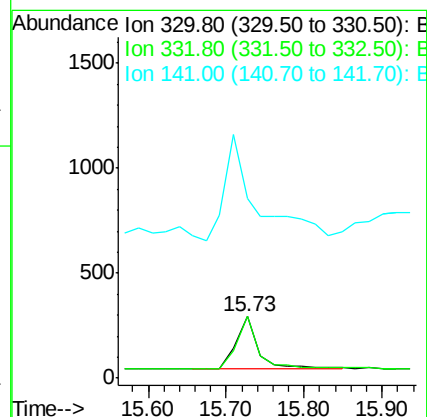
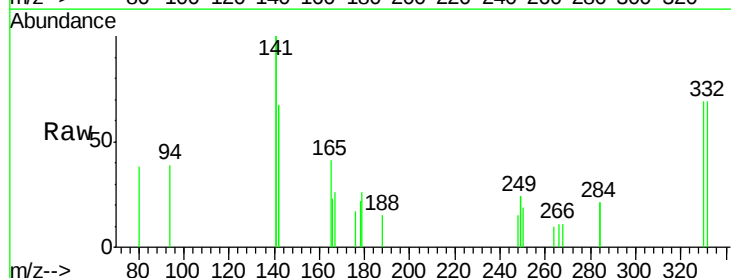
Tgt Ion:330 Resp: 496

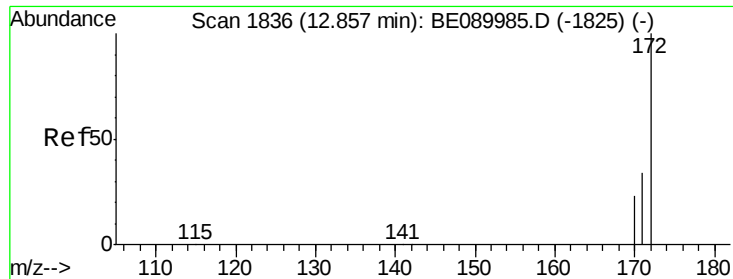
Ion Ratio Lower Upper

330 100

332 95.2 76.4 114.6

141 287.1 130.3 195.5#





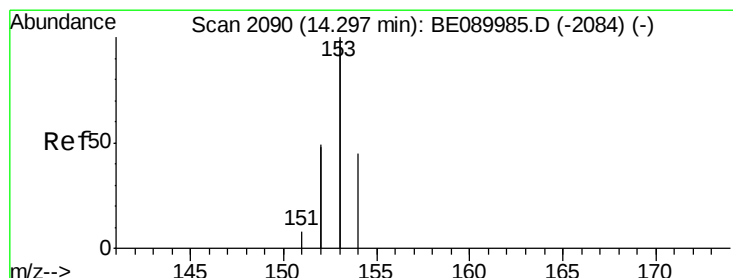
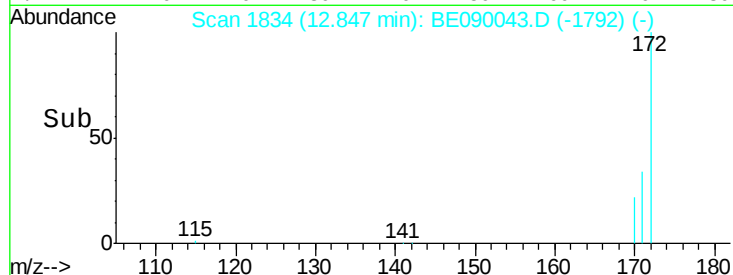
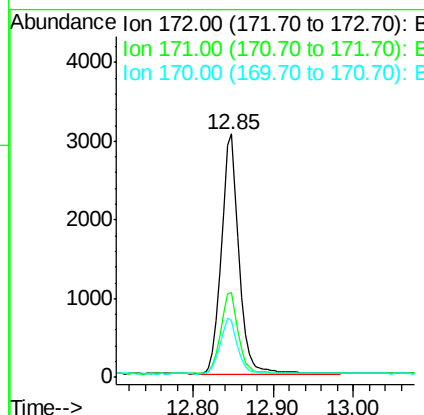
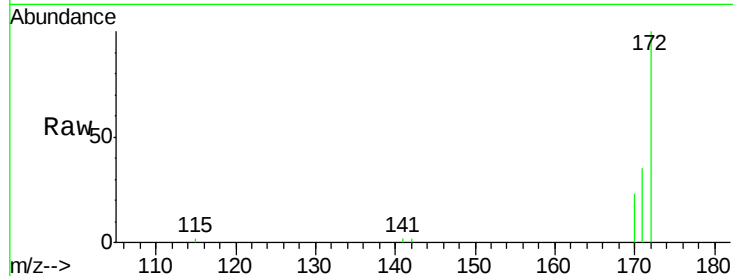
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2-Fluorobiphenyl
Concen: 0.34 ng
RT: 12.85 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BE090043.D
Acq: 1 Jul 2015 15:05

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.4	18.3	27.5

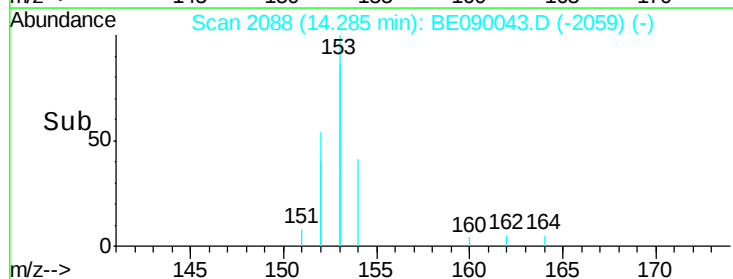
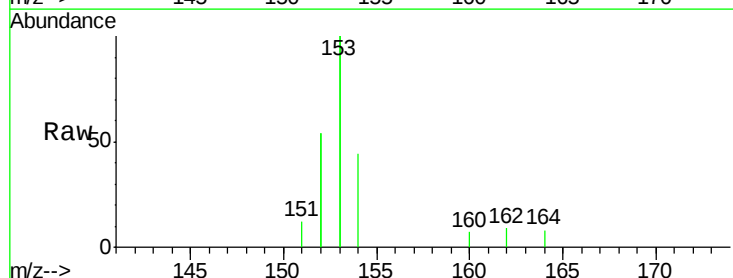
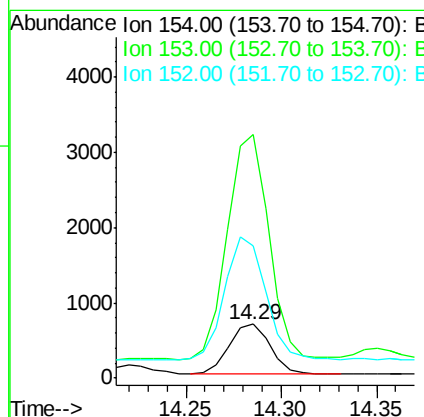
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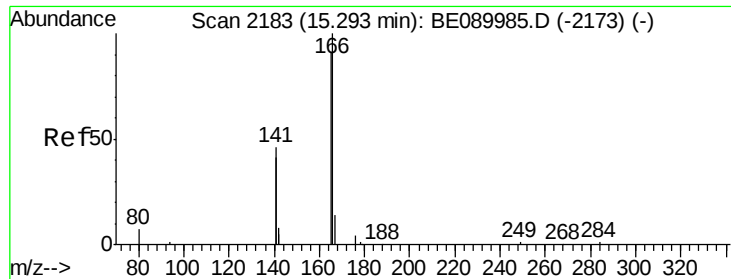
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#16
Acenaphthene
Concen: 0.08 ng
RT: 14.29 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090043.D
Acq: 1 Jul 2015 15:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	463.6	358.6	538.0
152	252.3	189.6	284.4





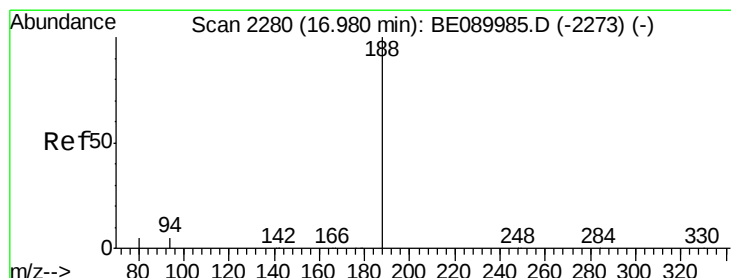
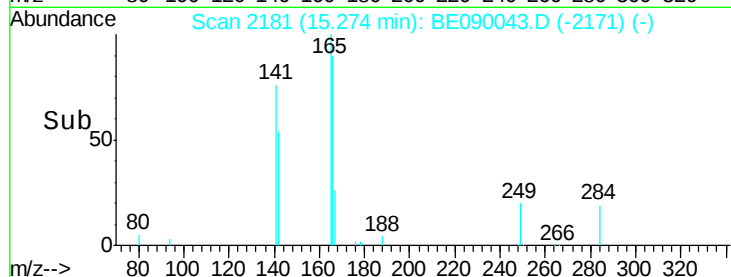
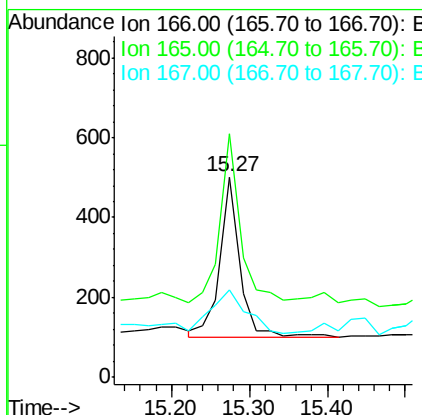
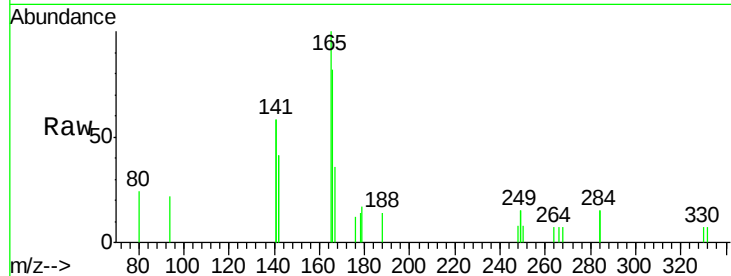
#17
Fluorene
 Concen: 0.04 ng
 RT: 15.27 min Scan# 2181
 Delta R.T. -0.02 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.8	79.0	118.6
167	47.5	11.8	17.8#

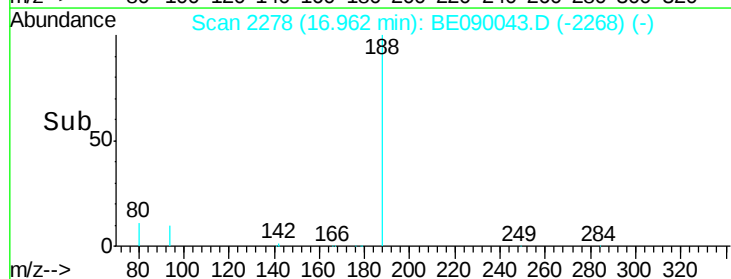
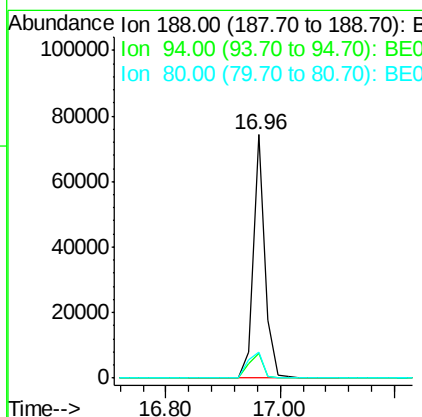
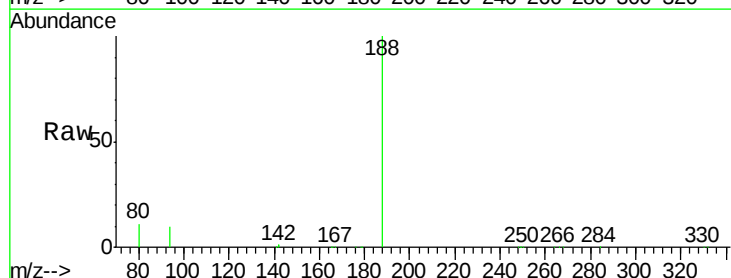
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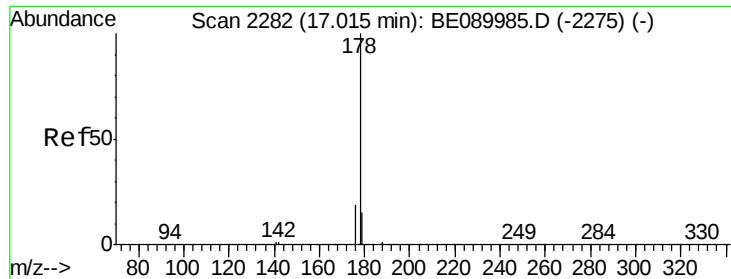
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	4.1	6.1#
80	10.7	4.2	6.2#





#22

Phenanthrene

Concen: 0.94 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BE090043.D

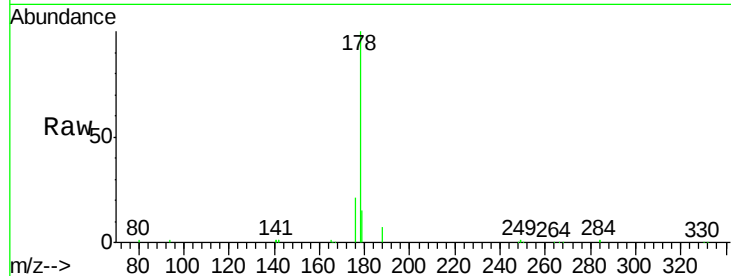
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Instrument :

BNA_E

ClientSampleId :

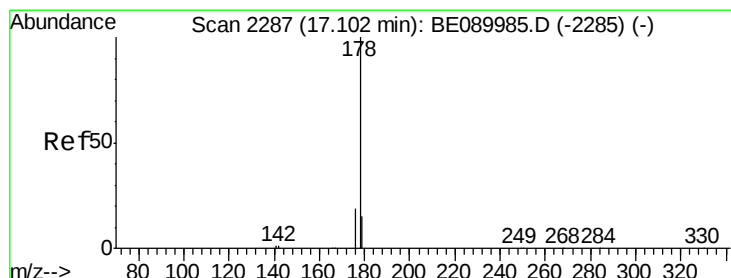
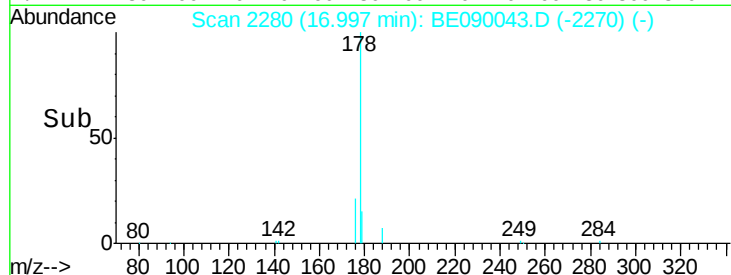
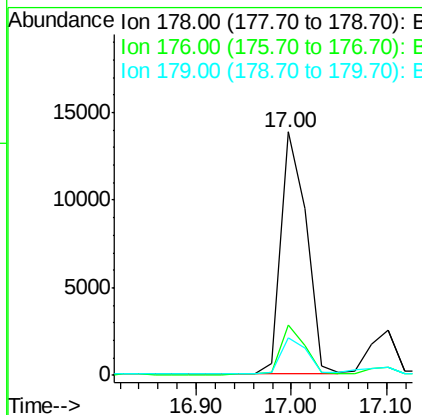
X1SS0520006-150625DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.8	12.4	18.6

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#23

Anthracene

Concen: 0.19 ng m

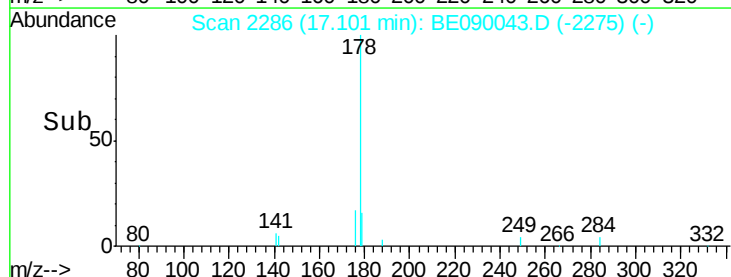
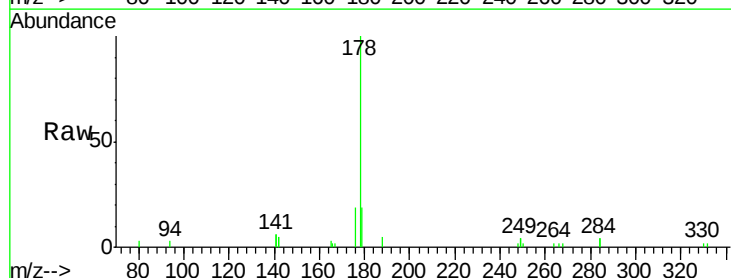
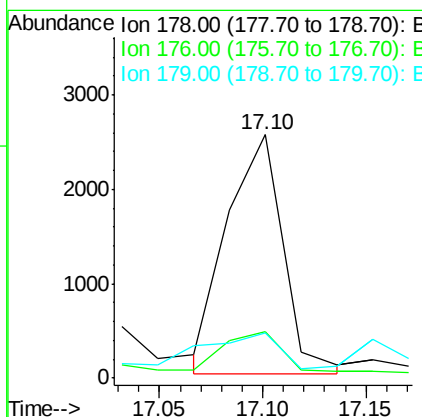
RT: 17.10 min Scan# 2286

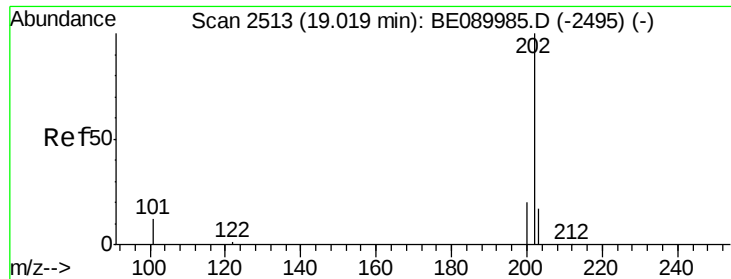
Delta R.T. -0.00 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	104.2	14.7	22.1#
179	84.1	12.1	18.1#





#24

Fluoranthene

Concen: 2.86 ng

RT: 19.00 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

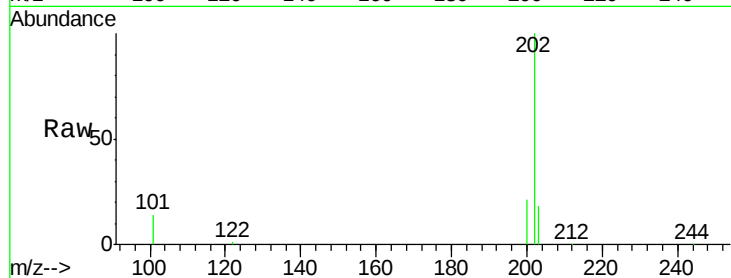
ClientSampleId :

X1SS0520006-150625DL

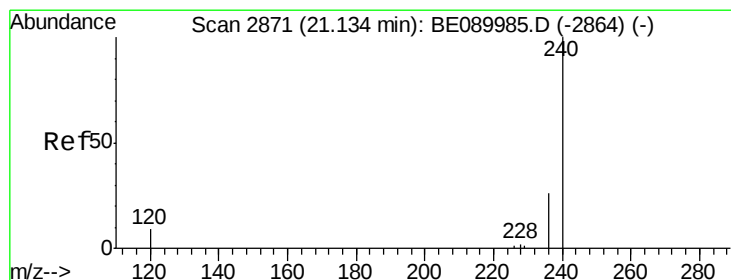
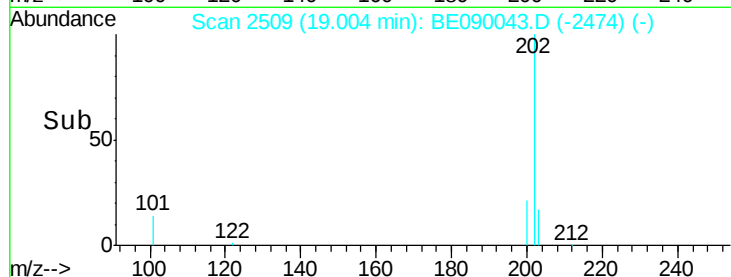
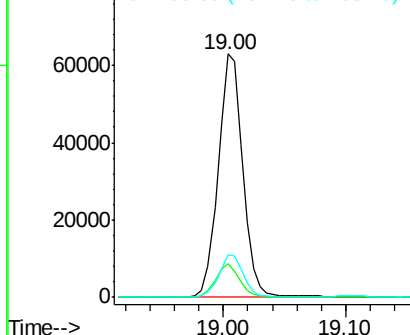
Tgt Ion:	202	Resp:	87279
Ion Ratio	Lower	Upper	
202	100		
101	13.2	10.6	15.8
203	17.4	13.8	20.6

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



#25

Chrysene-d12

Concen: 5.00 ng

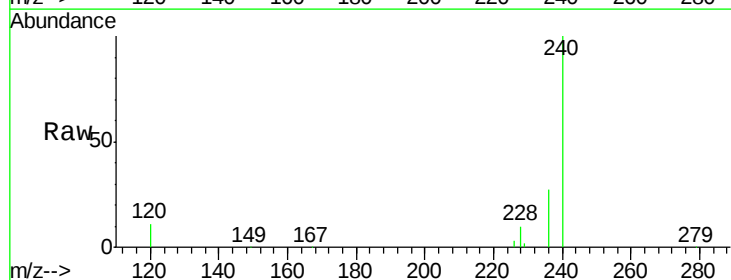
RT: 21.12 min Scan# 2867

Delta R.T. -0.01 min

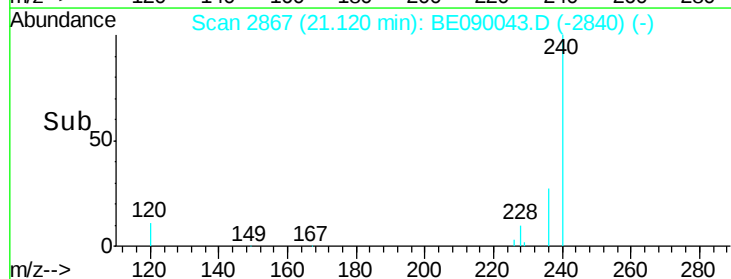
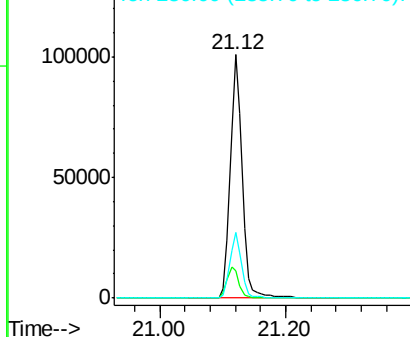
Lab File: BE090043.D

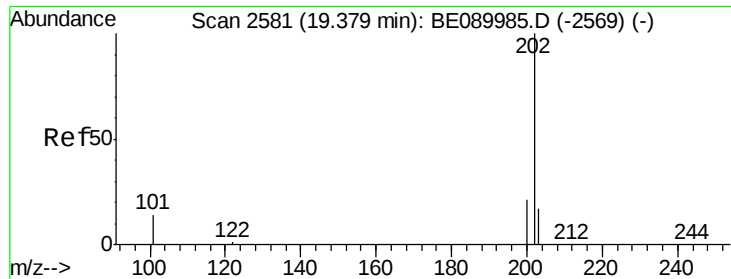
Acq: 1 Jul 2015 15:05

Tgt Ion:	240	Resp:	132714
Ion Ratio	Lower	Upper	
240	100		
120	11.0	6.9	10.3#
236	26.9	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





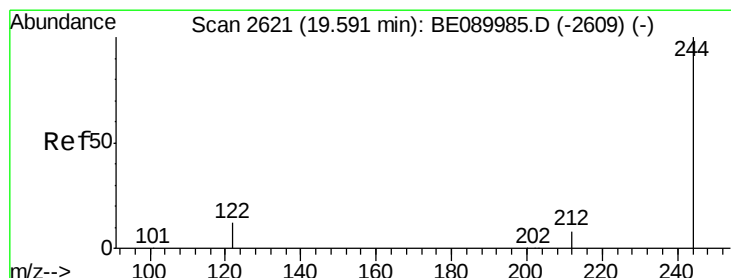
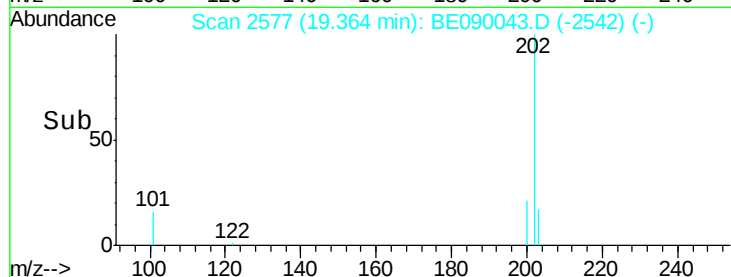
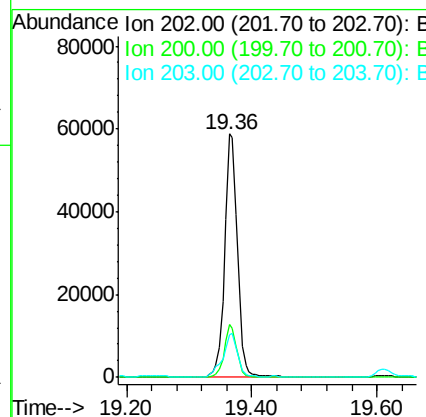
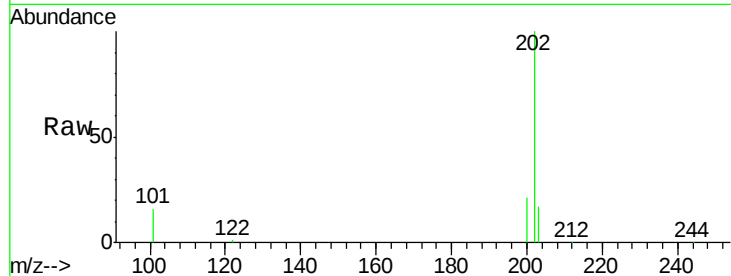
#26
 Pyrene
 Concen: 2.61 ng
 RT: 19.36 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625DL

Tgt Ion:	202	Resp:	82661
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	20.6	13.9	20.9

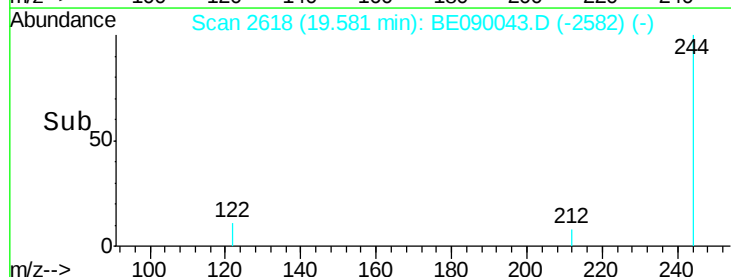
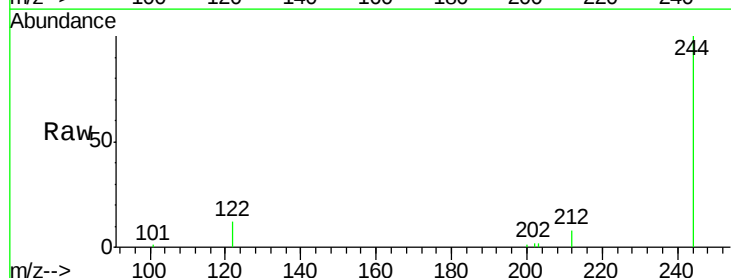
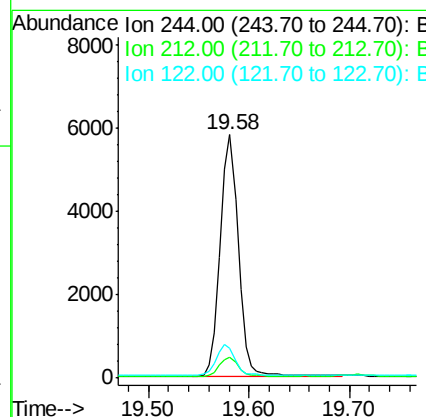
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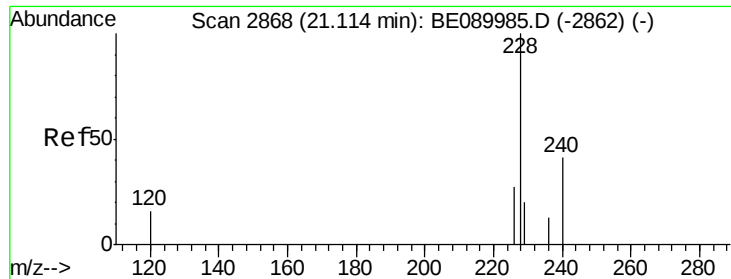
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#27
 Terphenyl-d14
 Concen: 0.33 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Tgt Ion:	244	Resp:	7263
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.6	9.8
122	12.1	9.8	14.8





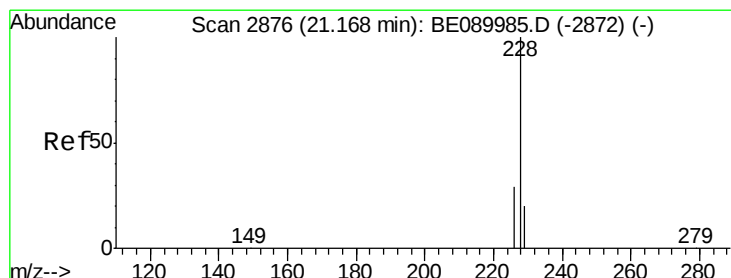
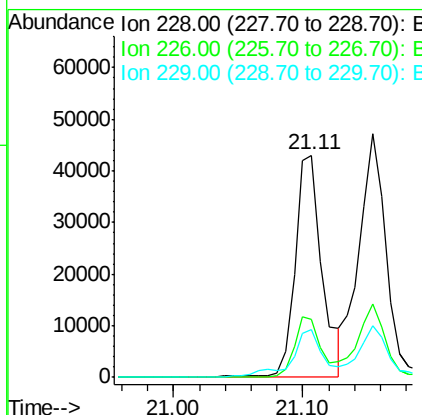
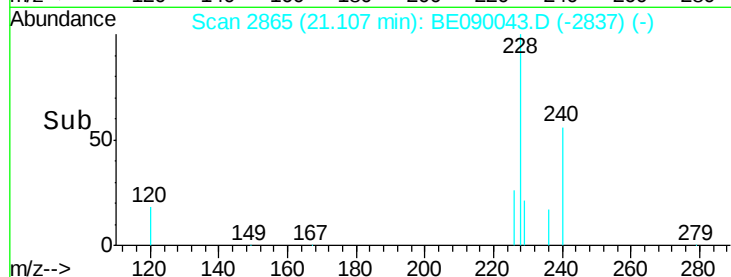
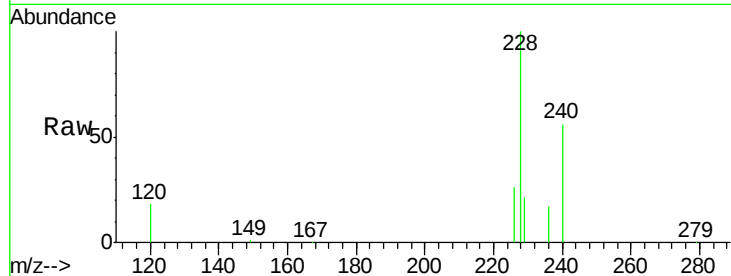
#28
Benzo(a)anthracene
Concen: 1.88 ng
RT: 21.11 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BE090043.D
Acq: 1 Jul 2015 15:05

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625DL

Tgt Ion:228 Resp: 62348
Ion Ratio Lower Upper
228 100
226 26.1 21.8 32.6
229 21.4 15.8 23.6

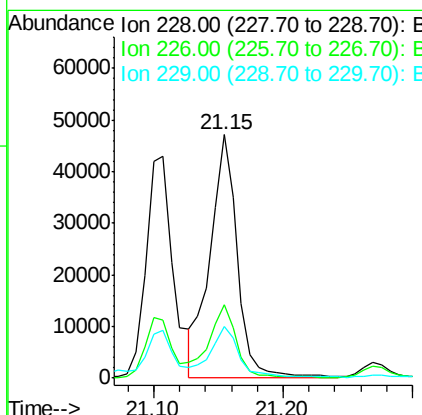
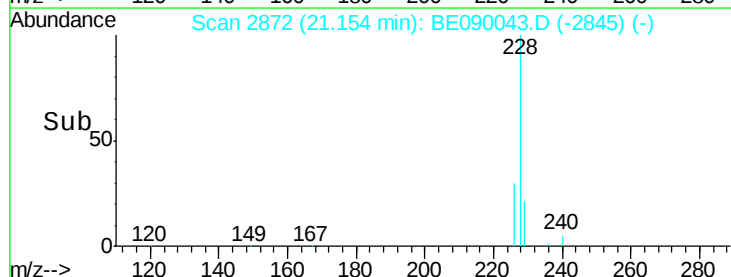
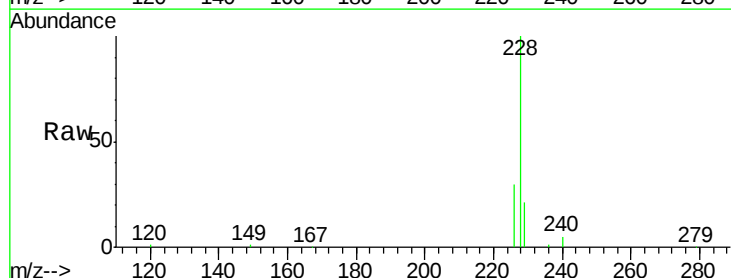
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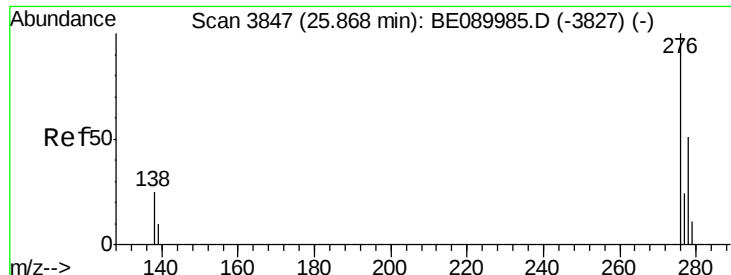
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#29
Chrysene
Concen: 2.00 ng
RT: 21.15 min Scan# 2872
Delta R.T. -0.01 min
Lab File: BE090043.D
Acq: 1 Jul 2015 15:05

Tgt Ion:228 Resp: 68966
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.0
229 21.2 16.2 24.2





#31

Indeno(1,2,3-cd)pyrene

Concen: 1.05 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.04 min

Lab File: BE090043.D

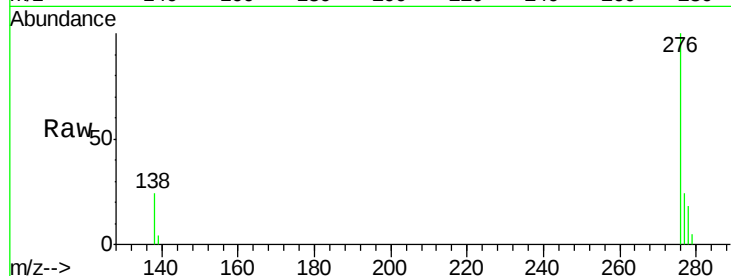
Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

ClientSampleId :

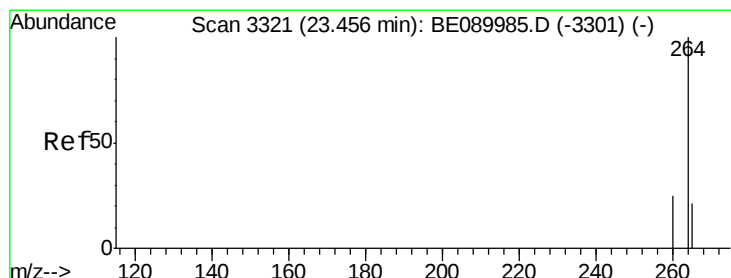
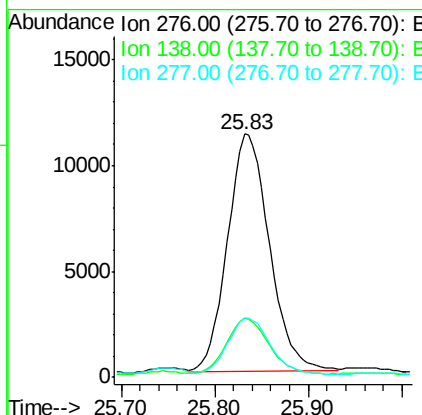
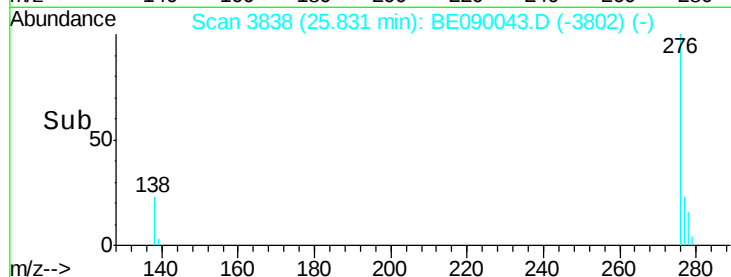
X1SS0520006-150625DL



Tgt Ion:	276	Resp:	34751
Ion Ratio	Lower	Upper	
276	100		
138	24.5	21.3	31.9
277	23.9	19.7	29.5

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#32

Perylene-d12

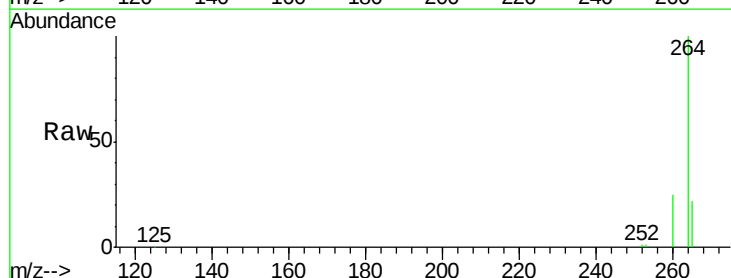
Concen: 5.00 ng

RT: 23.44 min Scan# 3316

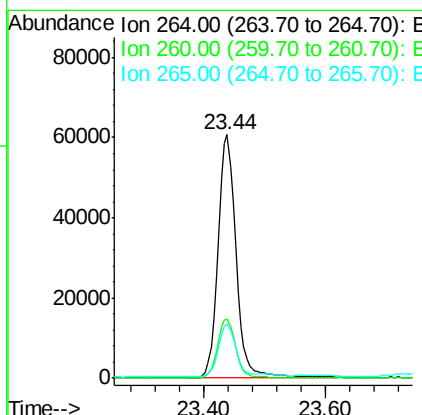
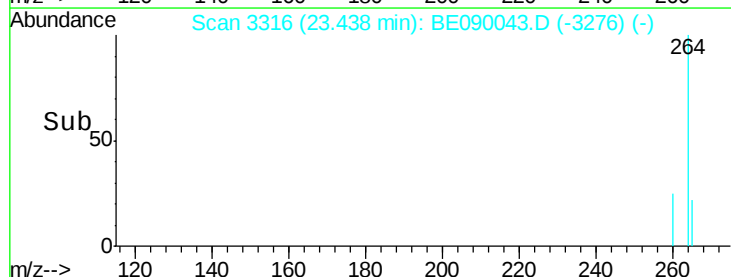
Delta R.T. -0.02 min

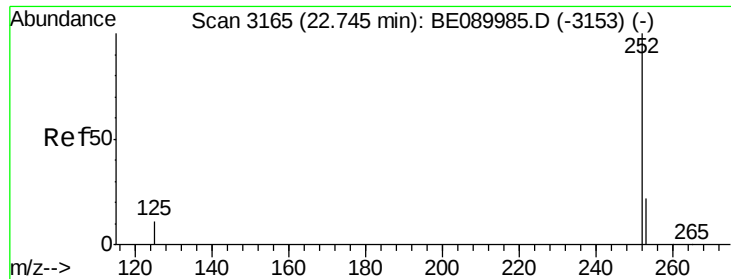
Lab File: BE090043.D

Acq: 1 Jul 2015 15:05



Tgt Ion:	264	Resp:	125802
Ion Ratio	Lower	Upper	
264	100		
260	24.6	20.2	30.2
265	22.3	17.1	25.7





#33

Benzo(b)fluoranthene

Concen: 3.18 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE090043.D

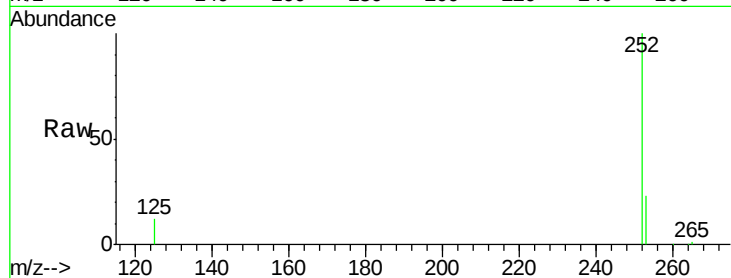
Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

ClientSampleId :

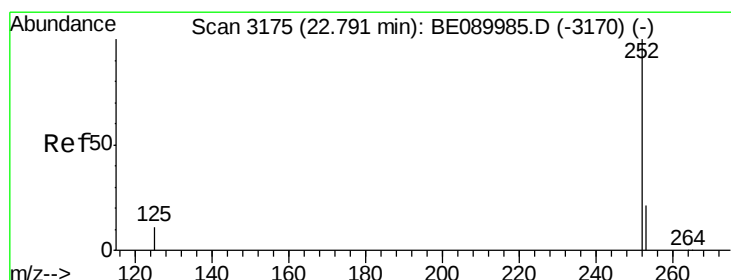
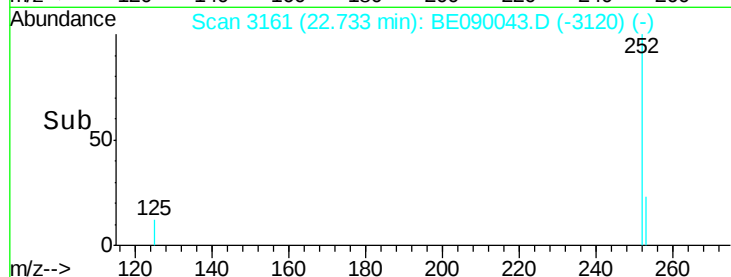
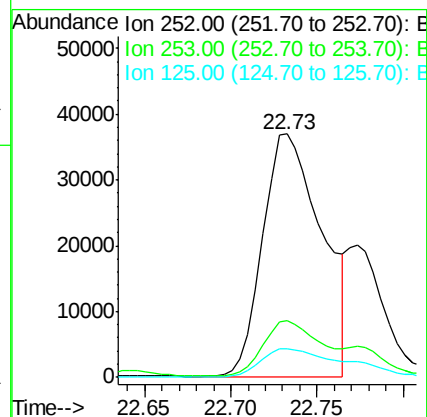
X1SS0520006-150625DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.8	9.0	13.4

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#34

Benzo(k)fluoranthene

Concen: 1.00 ng m

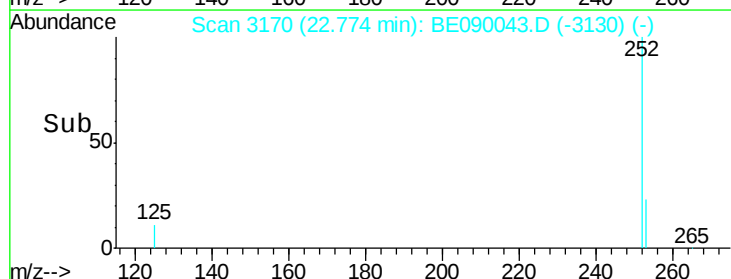
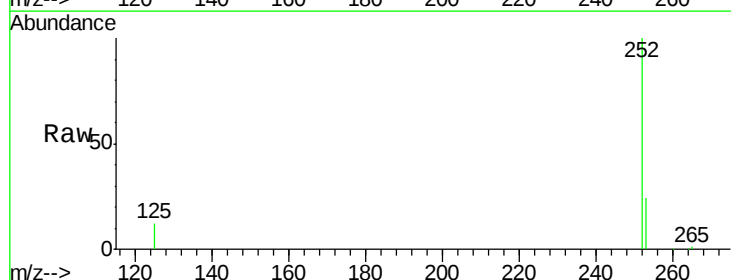
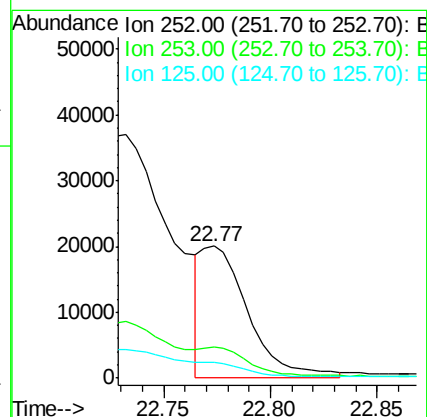
RT: 22.77 min Scan# 3170

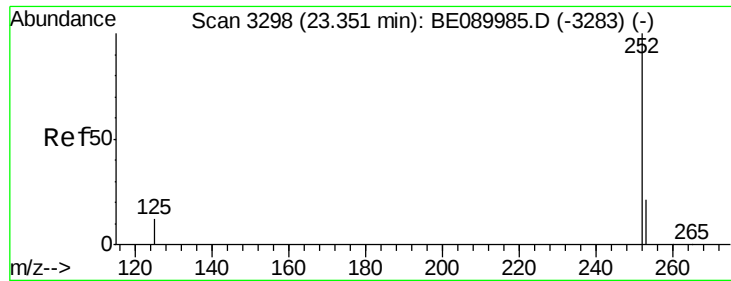
Delta R.T. -0.02 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.9	9.5	14.3





#35

Benzo(a)pyrene

Concen: 2.25 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090043.D

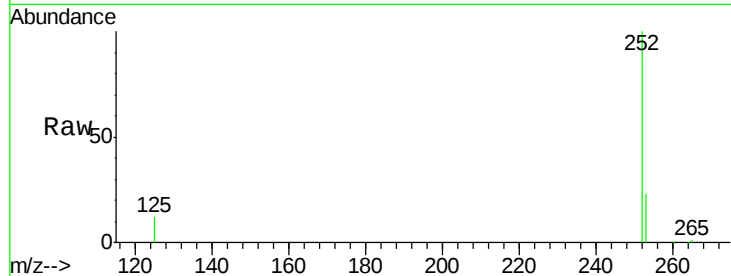
Acq: 1 Jul 2015 15:05

Instrument :

BNA_E

ClientSampleId :

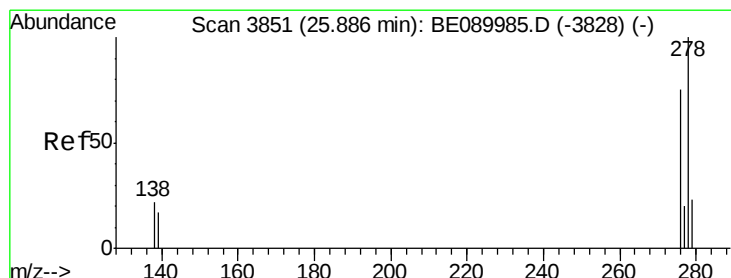
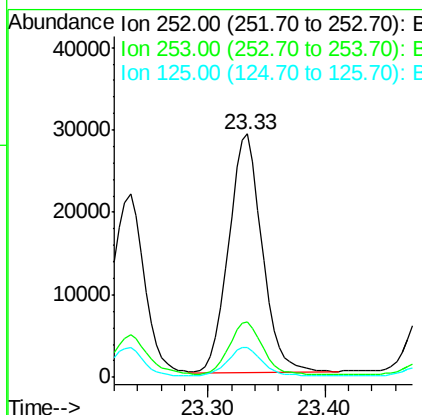
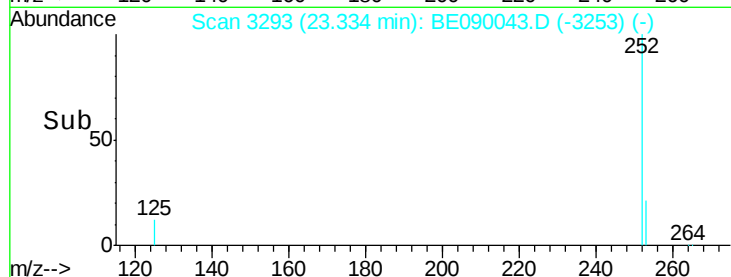
X1SS0520006-150625DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	12.3	10.5	15.7

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#36

Dibenzo(a,h)anthracene

Concen: 0.34 ng

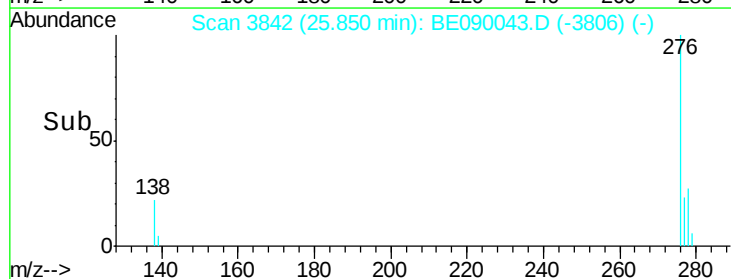
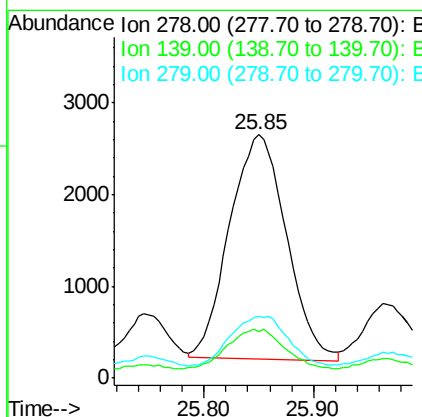
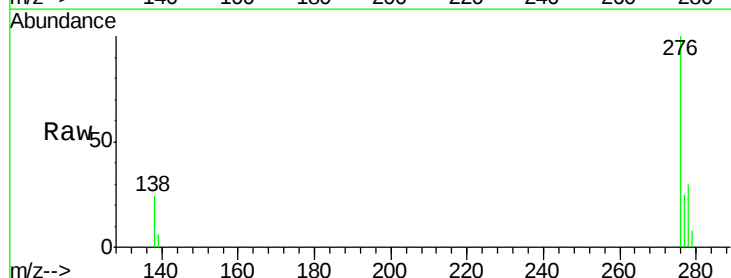
RT: 25.85 min Scan# 3842

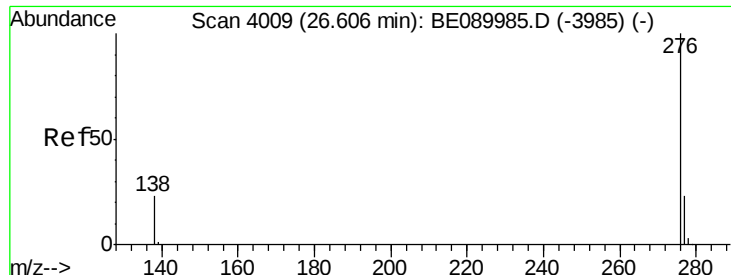
Delta R.T. -0.04 min

Lab File: BE090043.D

Acq: 1 Jul 2015 15:05

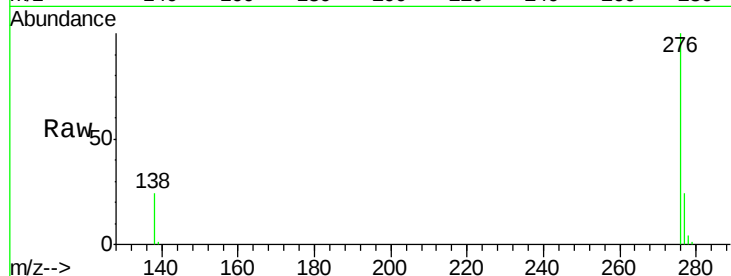
Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	14.4	21.6
279	25.5	19.0	28.6





#37
 Benzo(g,h,i)perylene
 Concen: 1.35 ng
 RT: 26.57 min Scan# 4001
 Delta R.T. -0.03 min
 Lab File: BE090043.D
 Acq: 1 Jul 2015 15:05

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625DL



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

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