

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091825.D
 Acq On : 20 May 2016 00:29
 Operator : UM/SJ
 Sample : H3084-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW007-160512

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Quant Time: May 20 14:50:02 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	22622	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	119647	5.00	ng	-0.02
13) Acenaphthene-d10	14.40	164	77416	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	189729	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	252310	5.00	ng	-0.02
35) Perylene-d12	23.73	264	217056	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	27223	4.60	ng	0.00
5) Phenol-d6	6.97	99	30369	3.65	ng	0.02
8) Nitrobenzene-d5	8.93	82	35320	4.45	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	30918	10.29	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	95784	4.37	ng	-0.01
29) Terphenyl-d14	19.74	244	171158	4.79	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.33	88	29568	12.03	ng	88
9) Nitrobenzene	8.97	77	568	0.07	ng	# 59
10) Naphthalene	10.61	128	1314	0.05	ng	# 66
12) 2-Methylnaphthalene	12.23	142	2847	0.16	ng	98
17) Acenaphthene	14.46	154	2426	0.12	ng	# 63
18) Fluorene	15.44	166	3303	0.12	ng	# 91
23) Phenanthrene	17.17	178	6431	0.07	ng	# 87
24) Anthracene	17.26	178	2015	0.05	ng	# 83
25) Fluoranthene	19.19	202	3198	0.06	ng	# 77
28) Pyrene	19.55	202	2649	0.05	ng	# 51

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

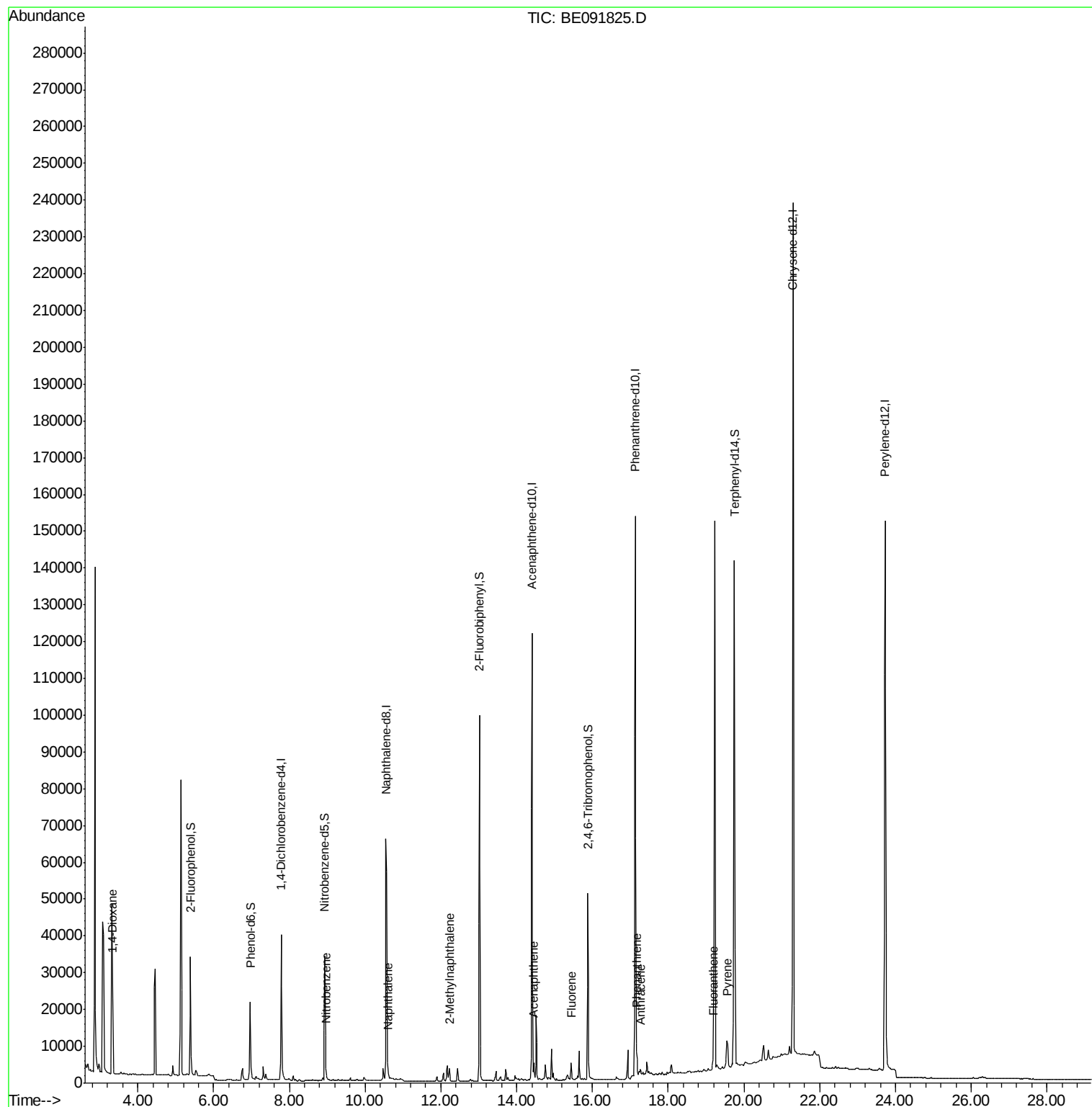
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
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ALS Vial : 24 Sample Multiplier: 1

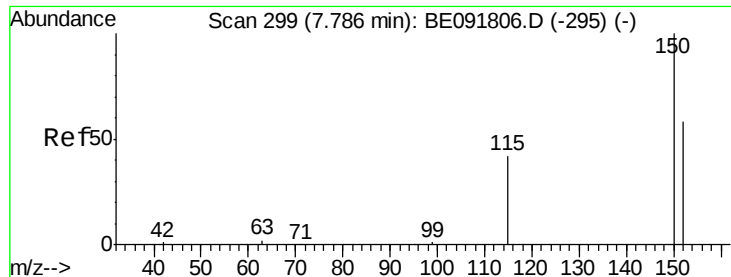
Instrument :
BNA_E
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SS043MW007-160512

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

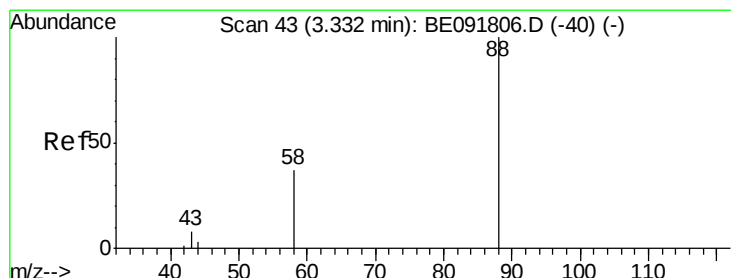
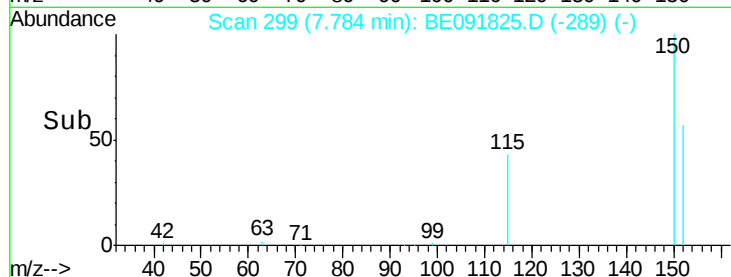
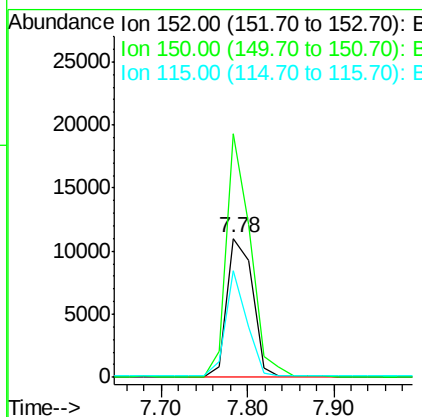
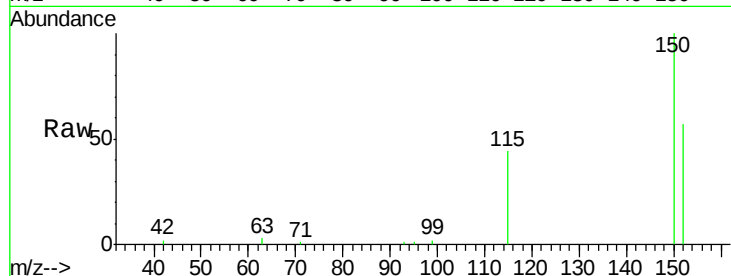
ClientSampleId :

SS043MW007-160512

Tgt Ion:	152	Resp:	22622
Ion Ratio	Lower	Upper	
152	100		
150	175.4	122.6	183.8
115	76.6	52.8	79.2

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#2

1,4-Dioxane

Concen: 12.03 ng

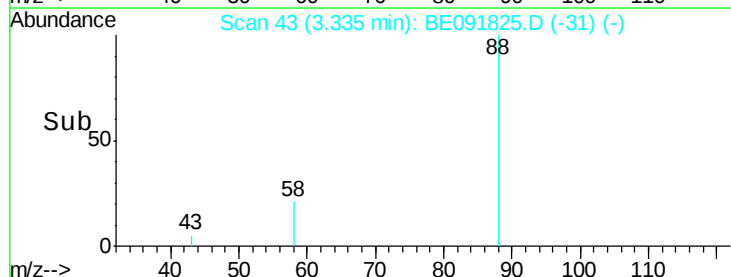
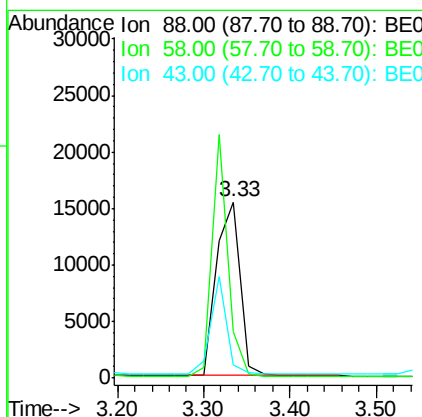
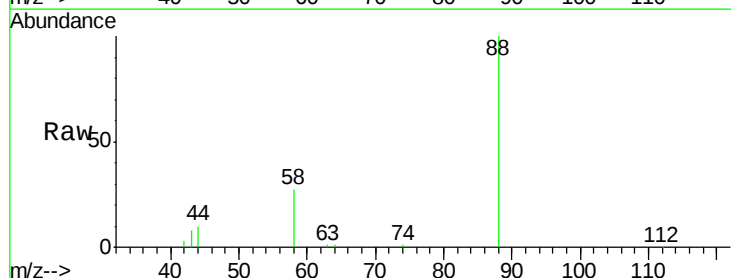
RT: 3.33 min Scan# 43

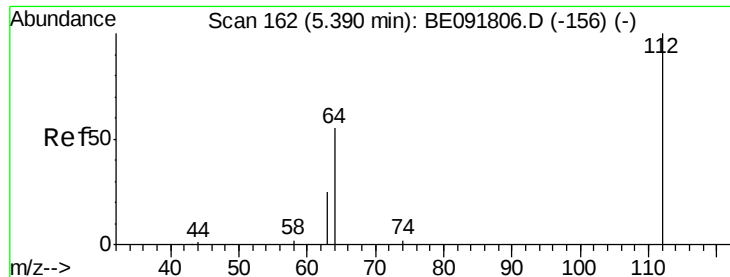
Delta R.T. 0.00 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion:	88	Resp:	29568
Ion Ratio	Lower	Upper	
88	100		
58	93.4	65.8	98.6
43	37.9	25.3	37.9





#4

2-Fluorophenol

Concen: 4.60 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

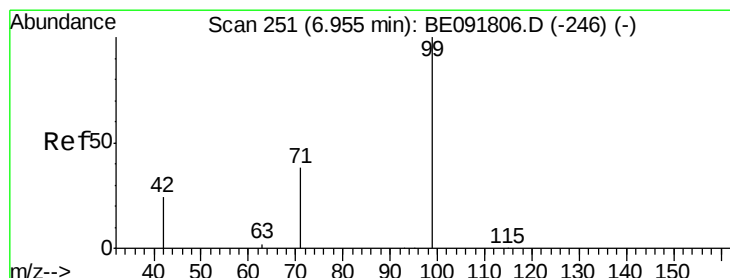
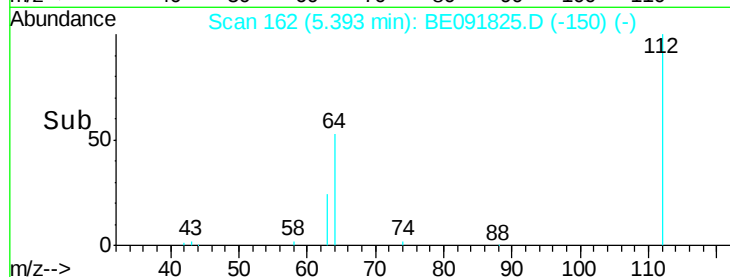
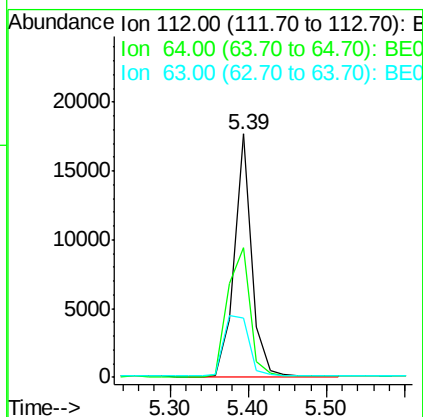
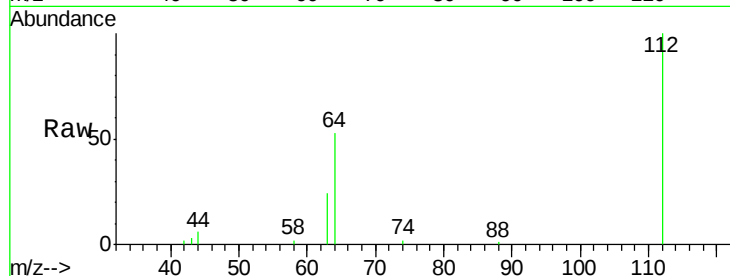
ClientSampleId :

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Tgt Ion:	112	Resp:	27223
Ion Ratio	Lower	Upper	
112	100		
64	67.6	30.9	46.3#
63	36.4	16.7	25.1#

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#5

Phenol-d6

Concen: 3.65 ng

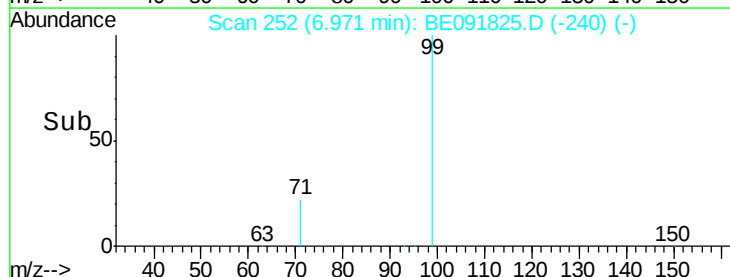
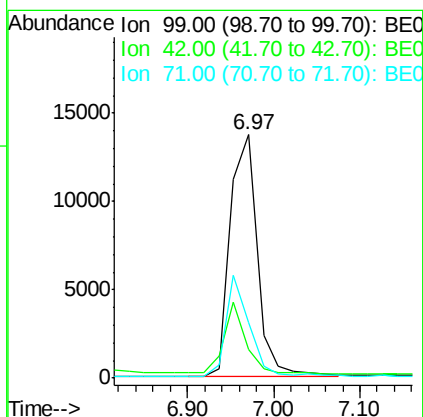
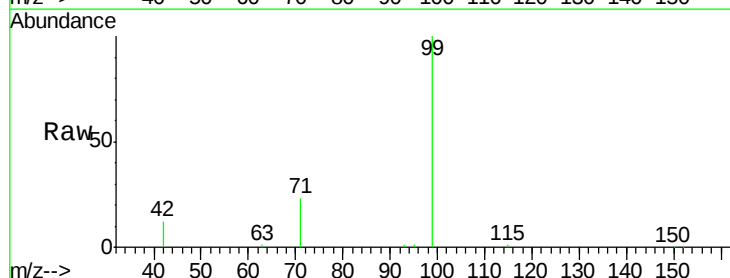
RT: 6.97 min Scan# 252

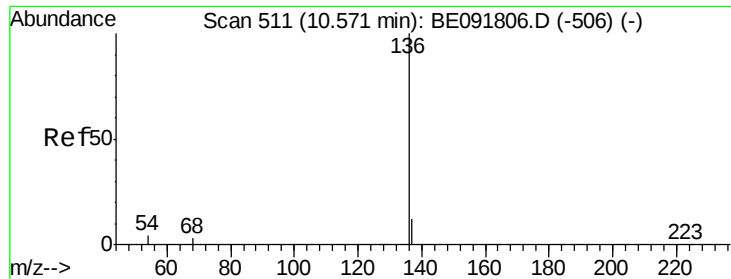
Delta R.T. 0.02 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion:	99	Resp:	30369
Ion Ratio	Lower	Upper	
99	100		
42	23.5	16.2	24.2
71	36.3	29.0	43.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

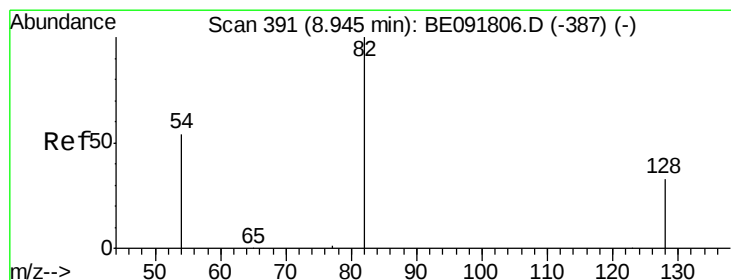
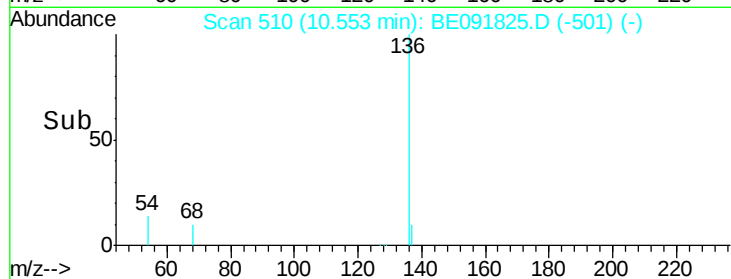
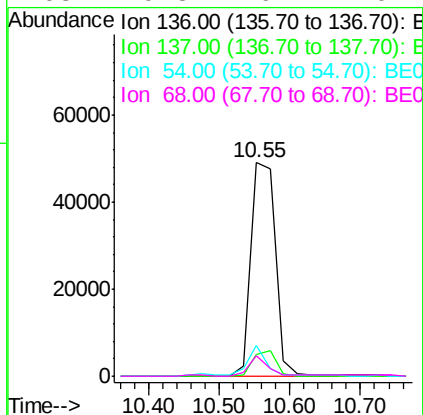
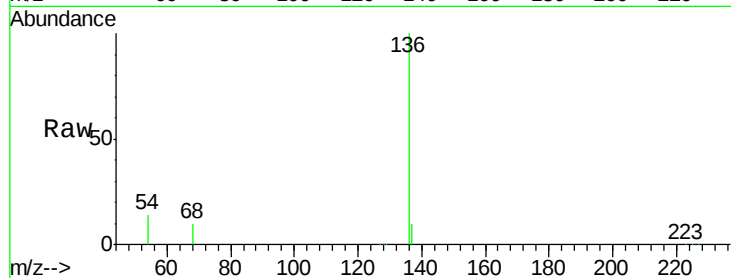
ClientSampleId :

SS043MW007-160512

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	9.9	8.9	13.3
54	14.3	8.2	12.4#
68	9.8	6.2	9.4#

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#8

Nitrobenzene-d5

Concen: 4.45 ng

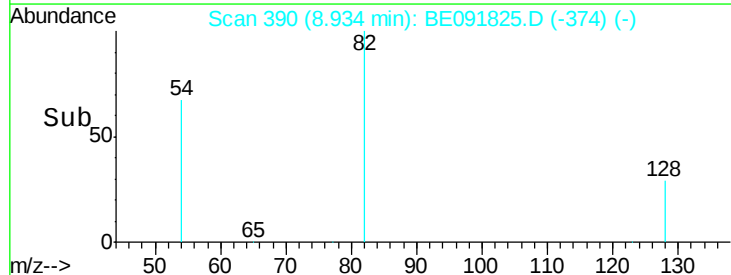
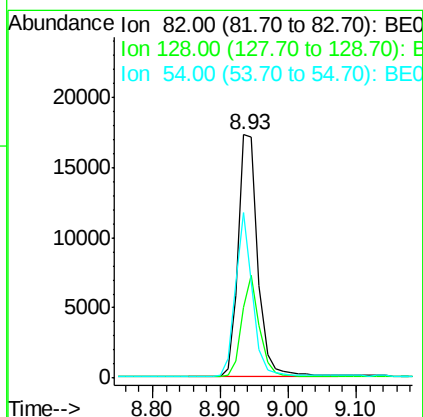
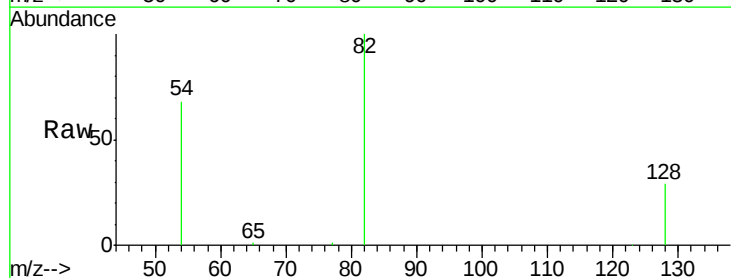
RT: 8.93 min Scan# 390

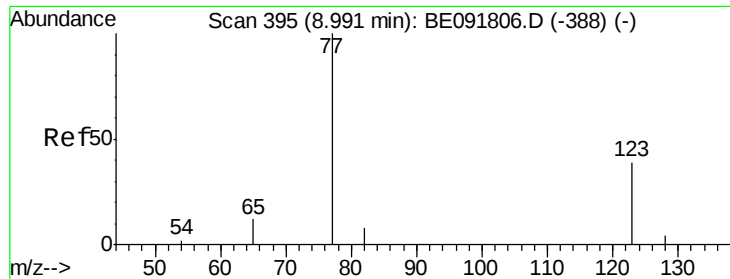
Delta R.T. -0.01 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	29.1	25.4	38.0
54	67.8	48.4	72.6





#9

Nitrobenzene

Concen: 0.07 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.02 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

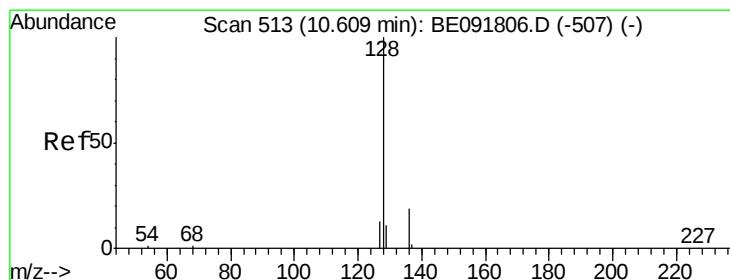
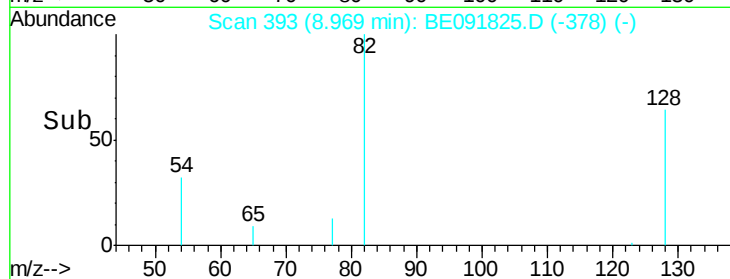
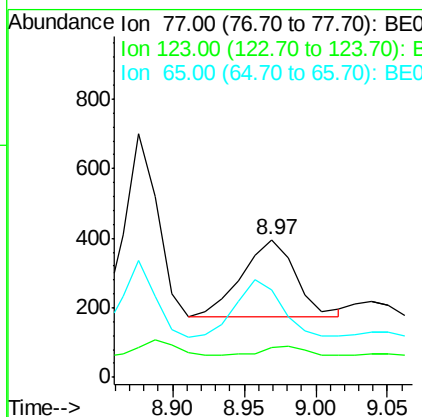
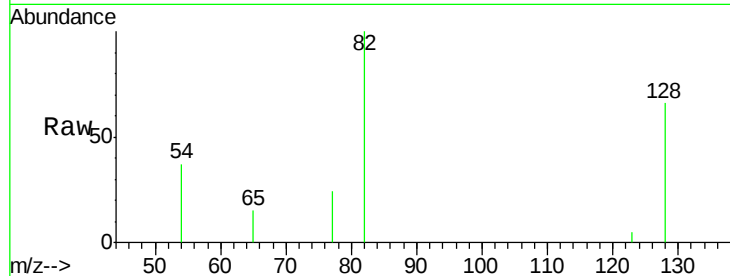
ClientSampleId :

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Tgt Ion:	77	Resp:	568
Ion Ratio	Lower	Upper	
77	100		
123	7.9	26.9	40.3#
65	0.0	9.4	14.2#

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#10

Naphthalene

Concen: 0.05 ng

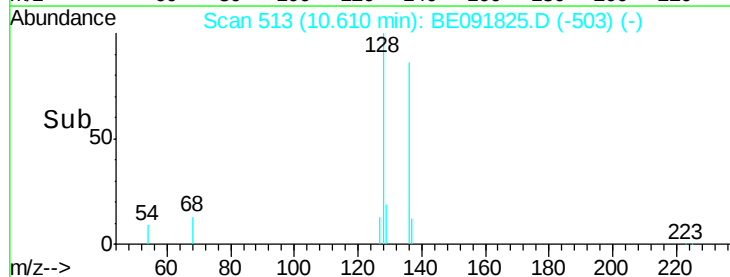
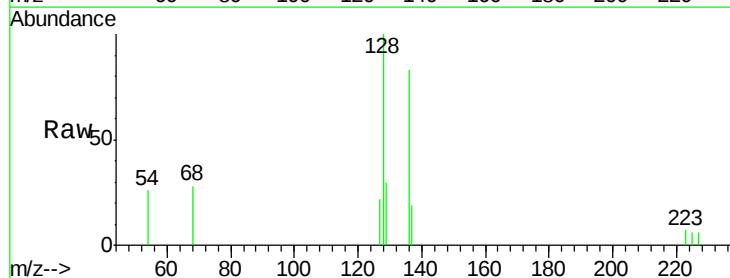
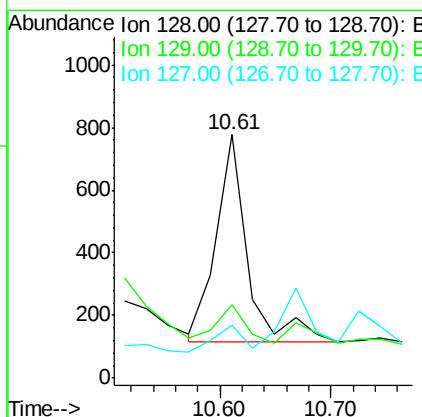
RT: 10.61 min Scan# 513

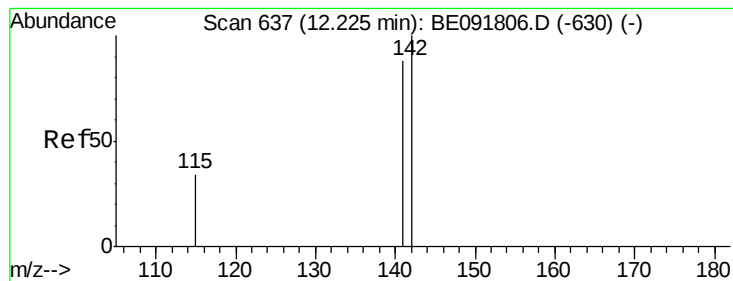
Delta R.T. 0.00 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion:	128	Resp:	1314
Ion Ratio	Lower	Upper	
128	100		
129	30.1	9.3	13.9#
127	21.9	10.7	16.1#





#12

2-Methylnaphthalene

Concen: 0.16 ng

RT: 12.23 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

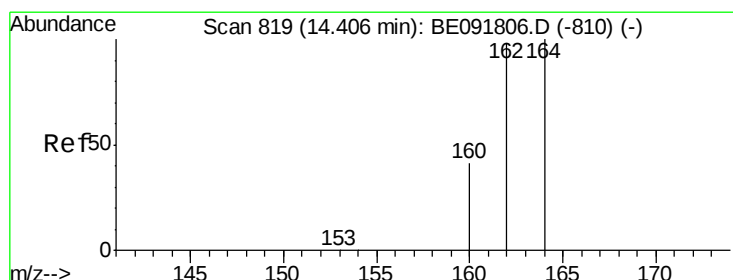
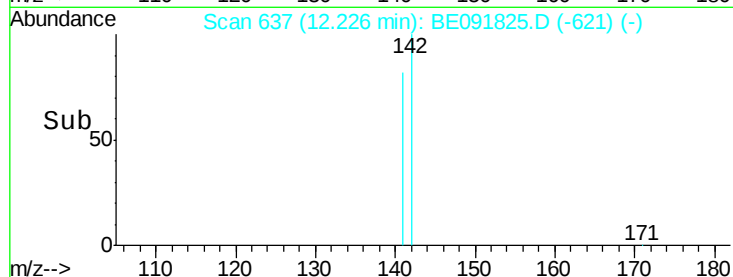
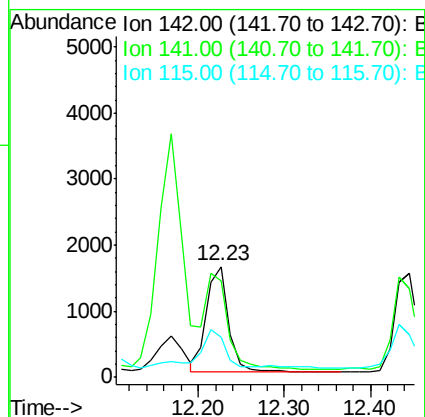
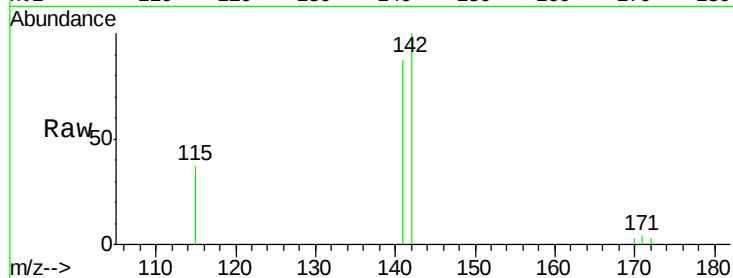
ClientSampleId :

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Tgt Ion:	142	Resp:	2847
Ion Ratio	Lower	Upper	
142	100		
141	87.0	71.4	107.0
115	36.8	30.3	45.5

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#13

Acenaphthene-d10

Concen: 5.00 ng

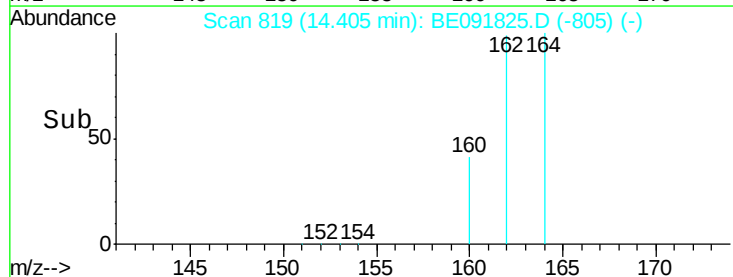
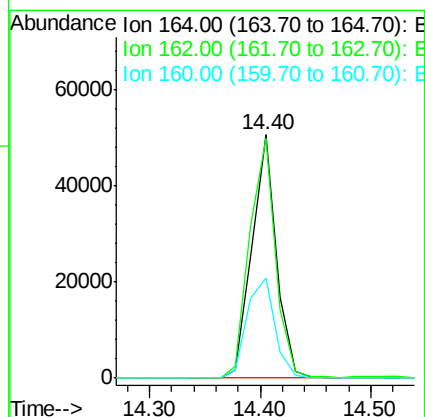
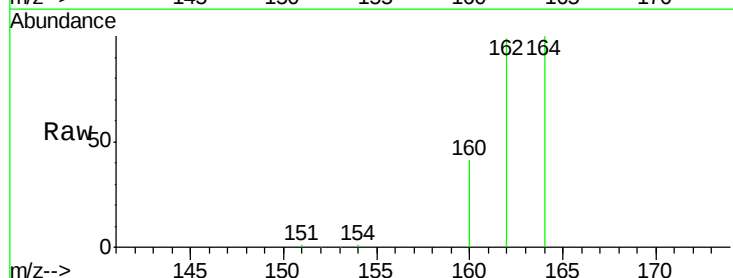
RT: 14.40 min Scan# 819

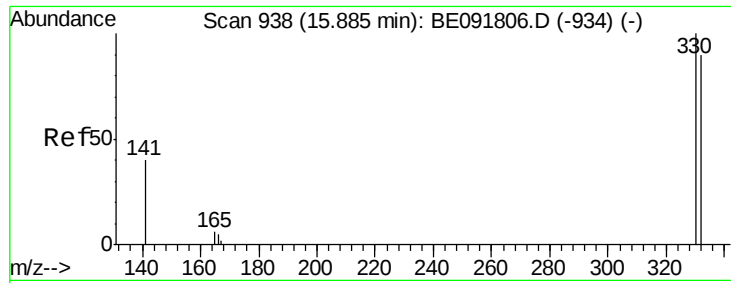
Delta R.T. -0.01 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion:	164	Resp:	77416
Ion Ratio	Lower	Upper	
164	100		
162	98.5	85.3	127.9
160	41.1	46.2	69.2#





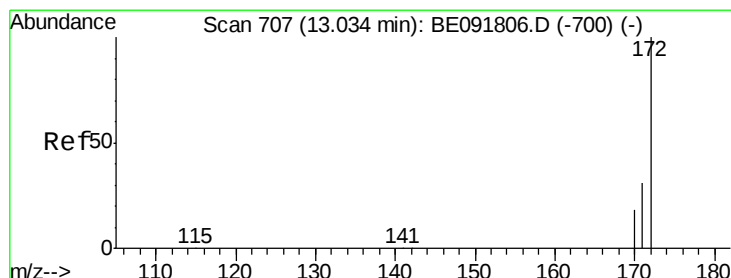
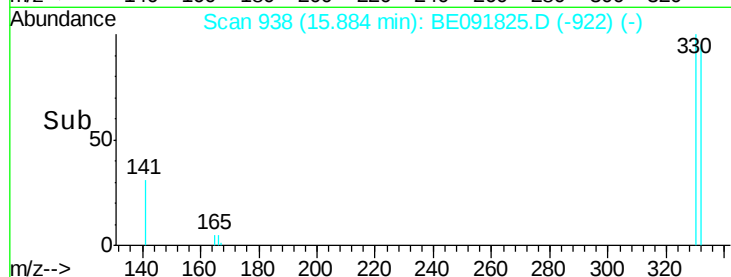
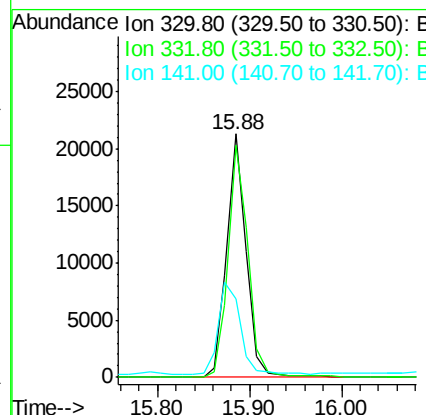
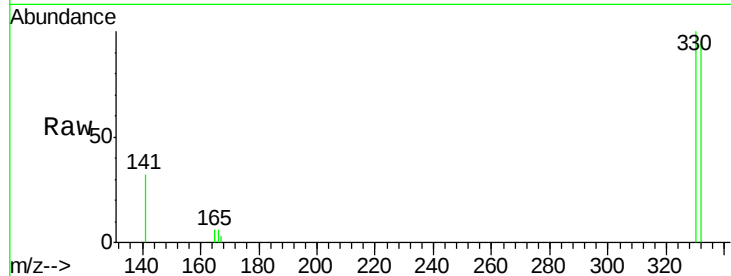
#14
 2,4,6-Tribromophenol
 Concen: 10.29 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.1	118.7
141	43.2	125.4	188.0

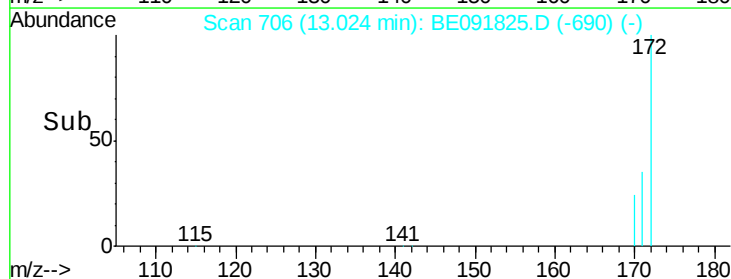
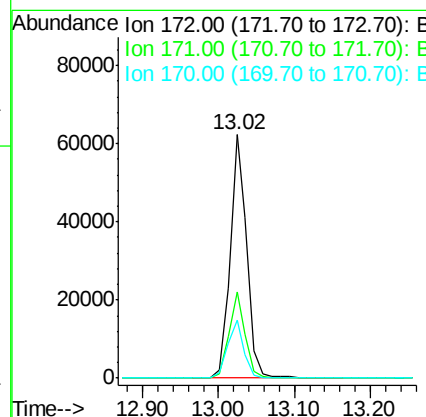
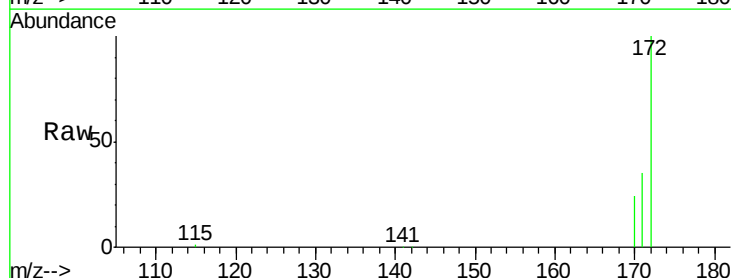
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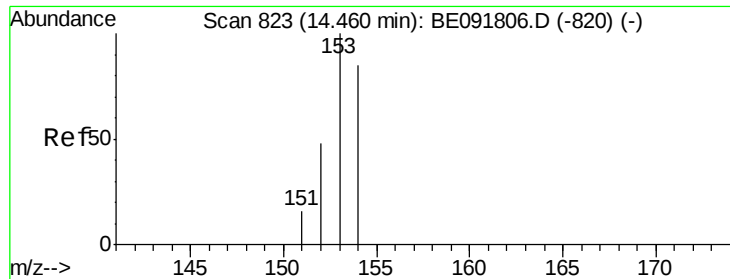
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#15
 2-Fluorobiphenyl
 Concen: 4.37 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.8	19.3	28.9





#17

Acenaphthene

Concen: 0.12 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Instrument :

BNA_E

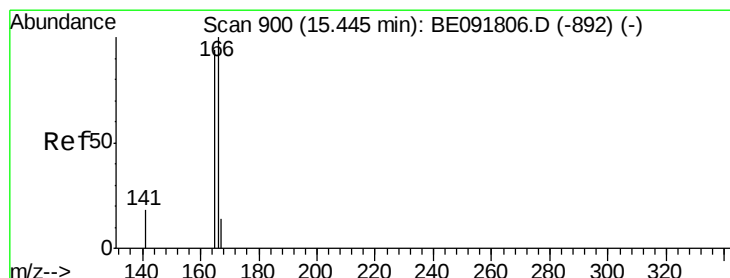
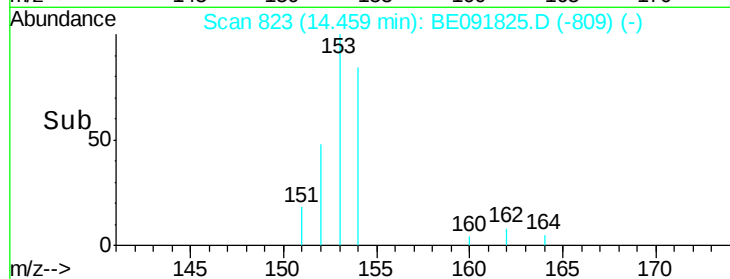
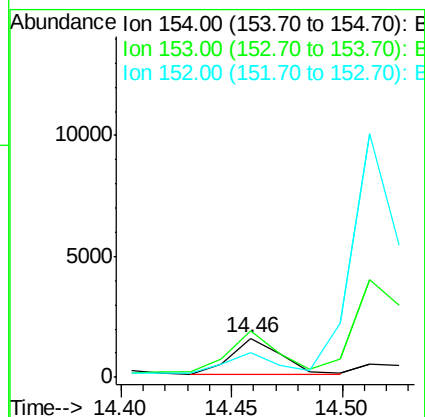
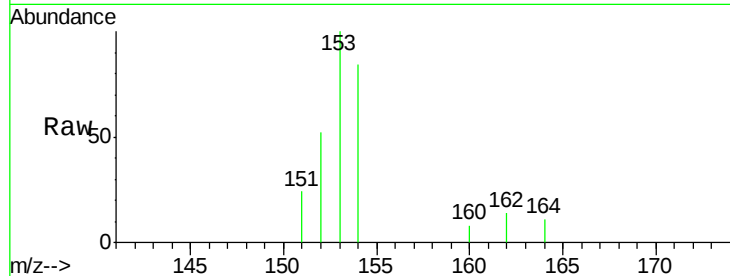
ClientSampleId :

SS043MW007-160512

Tgt Ion:	154	Resp:	2426
Ion Ratio	Lower	Upper	
154	100		
153	118.5	80.0	120.0
152	0.0	40.0	60.0#

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#18

Fluorene

Concen: 0.12 ng

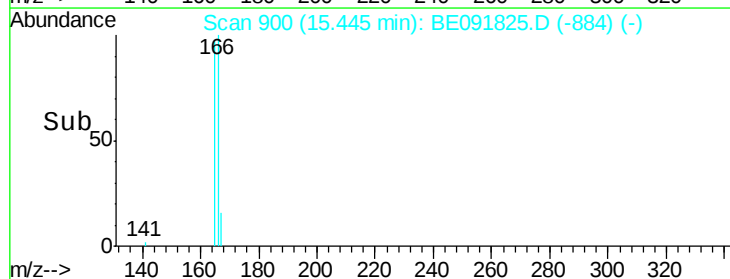
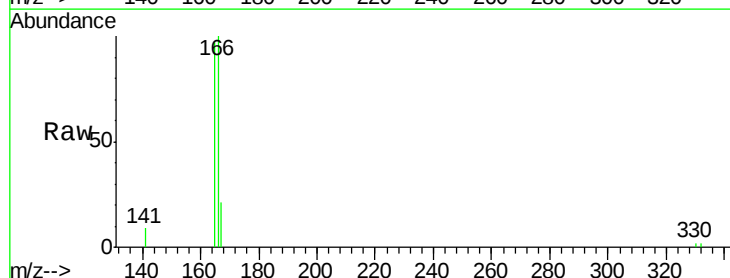
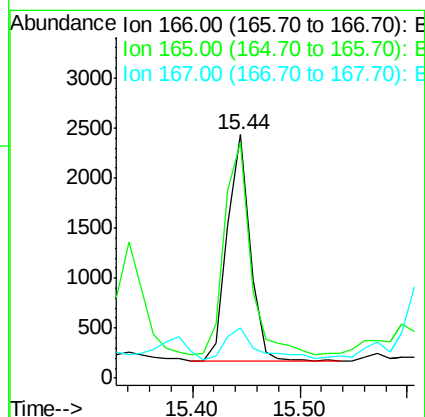
RT: 15.44 min Scan# 900

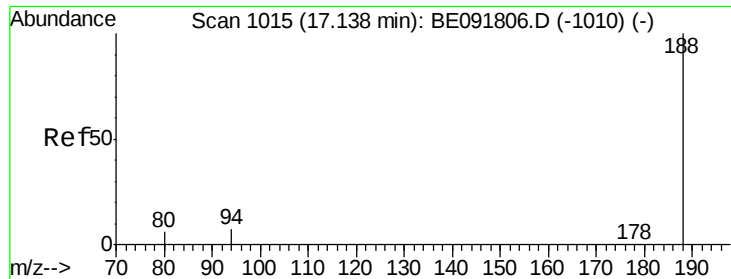
Delta R.T. -0.01 min

Lab File: BE091825.D

Acq: 20 May 2016 00:29

Tgt Ion:	166	Resp:	3303
Ion Ratio	Lower	Upper	
166	100		
165	108.7	80.8	121.2
167	20.8	10.9	16.3#





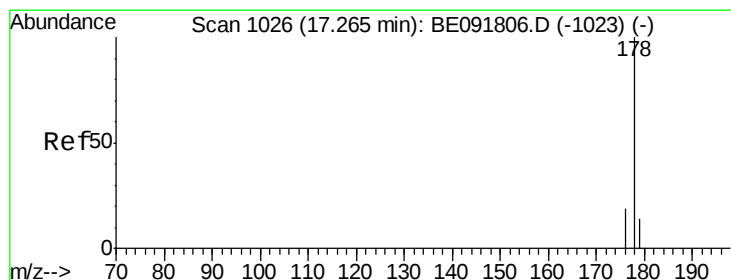
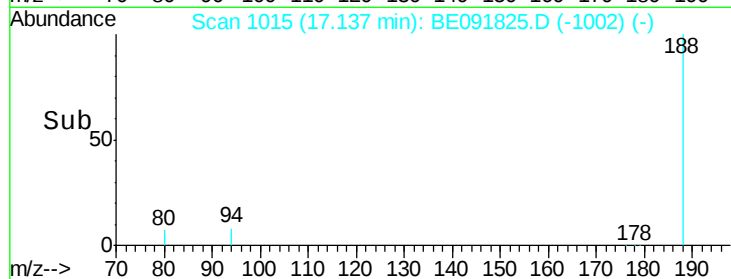
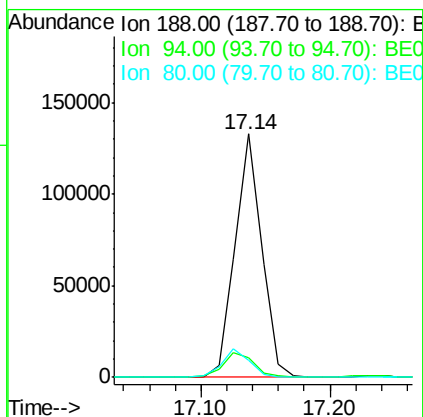
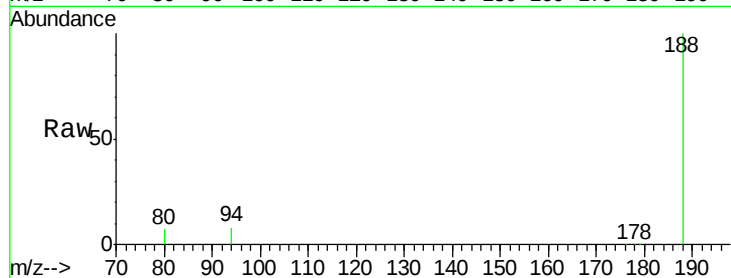
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091825.D
Acq: 20 May 2016 00:29

Instrument :
BNA_E
ClientSampleId :
SS043MW007-160512

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	189729		
94	7.9	8.7	13.1#	
80	7.3	9.4	14.0#	

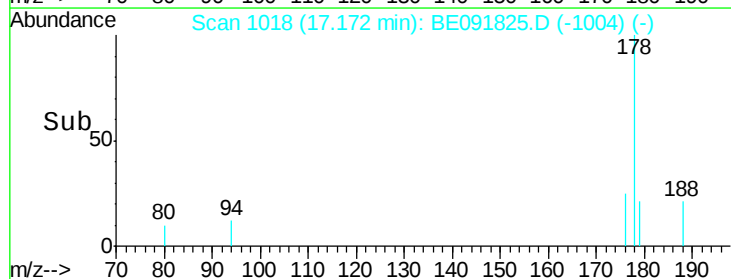
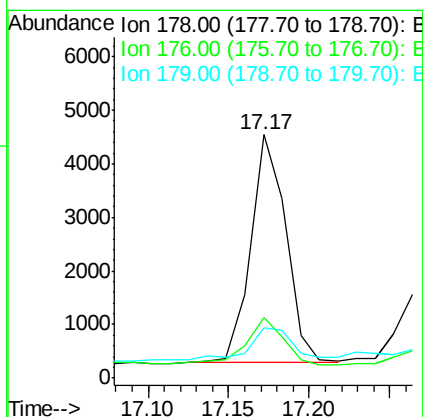
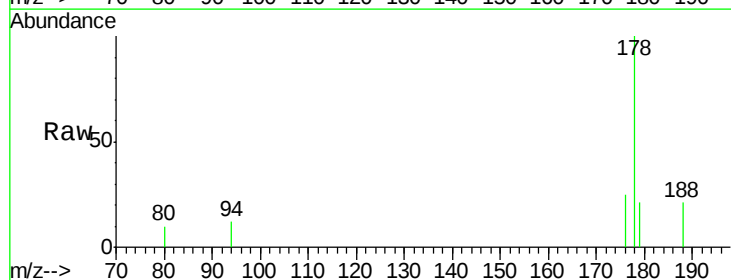
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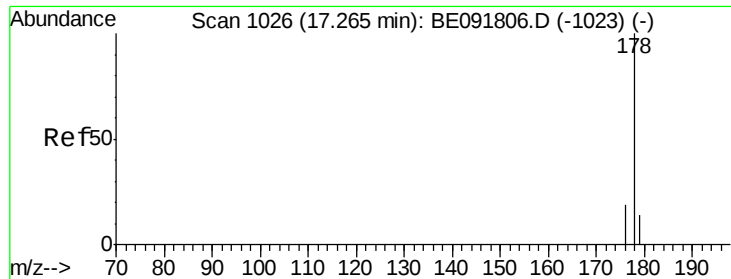
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#23
Phenanthrene
Concen: 0.07 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091825.D
Acq: 20 May 2016 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6431		
176	29.7	15.3	22.9#	
179	15.8	12.6	18.8	





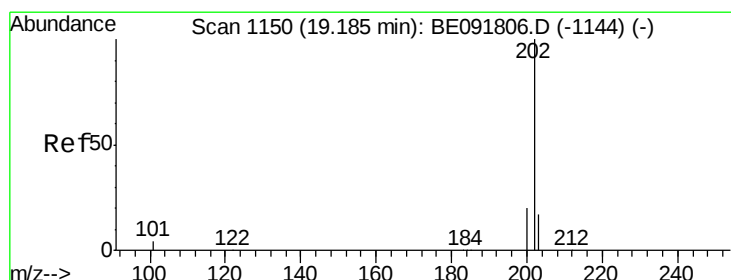
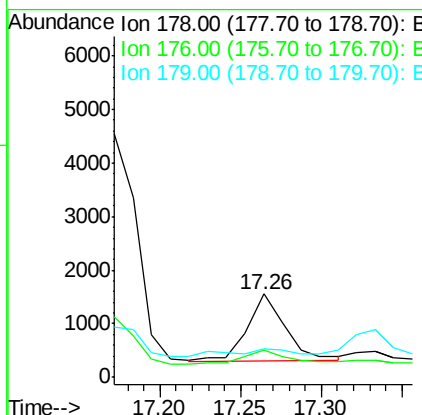
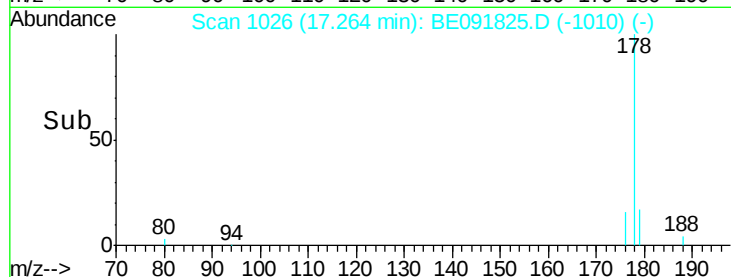
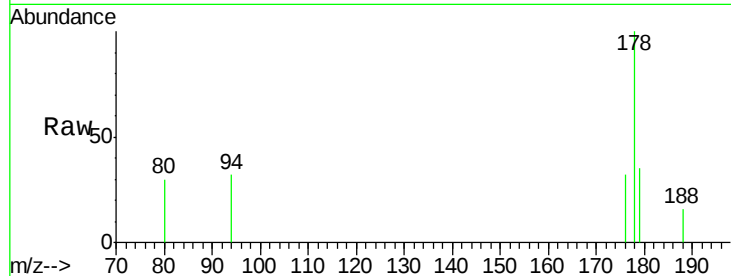
#24
 Anthracene
 Concen: 0.05 ng
 RT: 17.26 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW007-160512

Tgt Ion:178 Resp: 2015
 Ion Ratio Lower Upper
 178 100
 176 23.3 14.6 21.8#
 179 24.6 11.8 17.6#

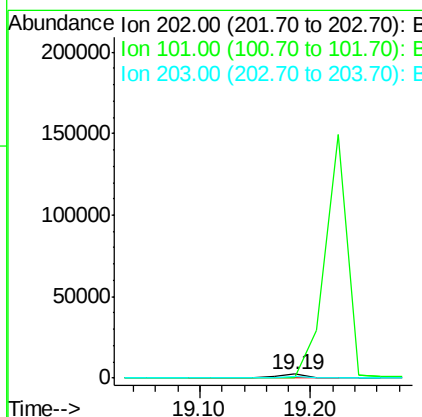
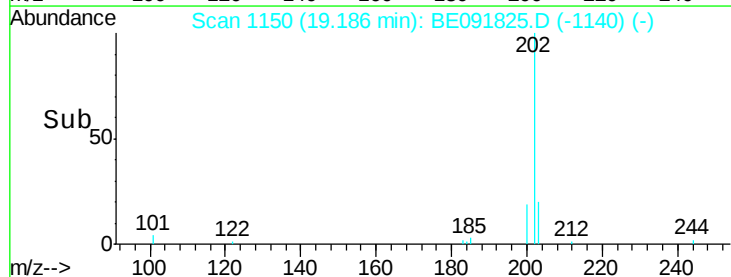
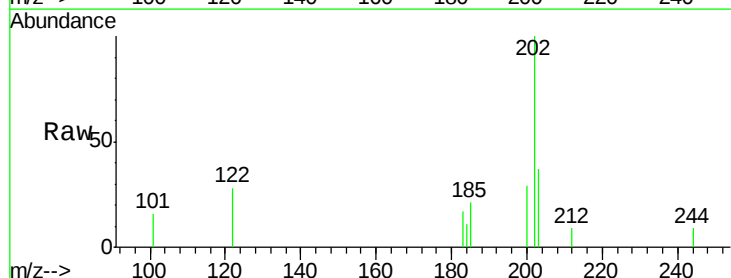
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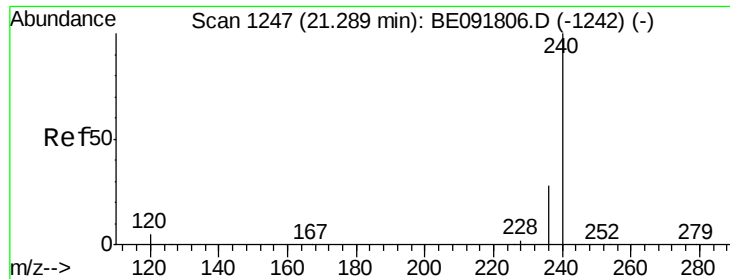
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#25
 Fluoranthene
 Concen: 0.06 ng
 RT: 19.19 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

Tgt Ion:202 Resp: 3198
 Ion Ratio Lower Upper
 202 100
 101 0.0 11.0 16.6#
 203 23.9 13.9 20.9#





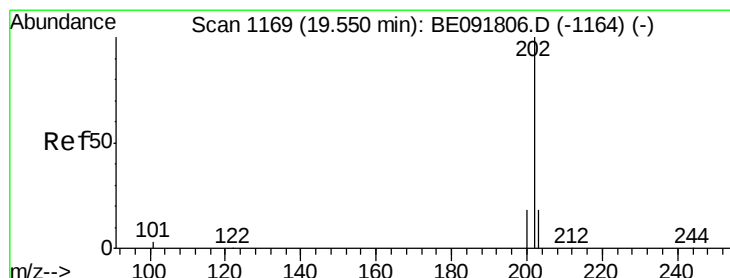
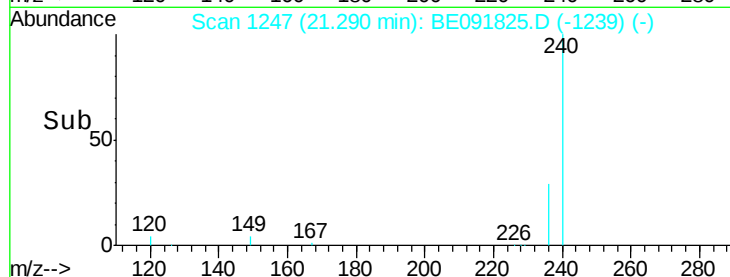
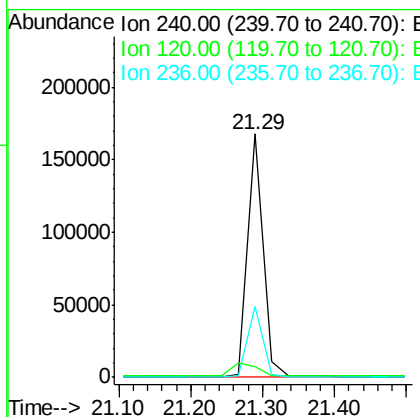
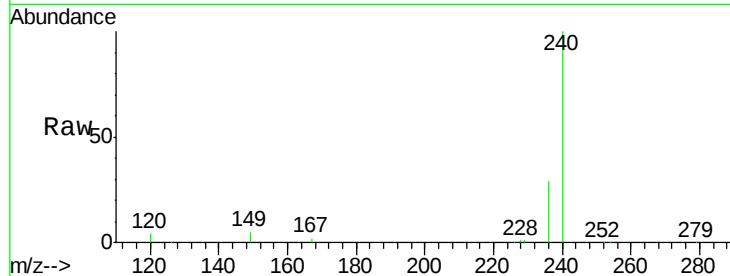
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091825.D
Acq: 20 May 2016 00:29

Instrument :
BNA_E
ClientSampleId :
SS043MW007-160512

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	252310		
120	4.3	11.0	16.4#	
236	28.9	21.7	32.5	

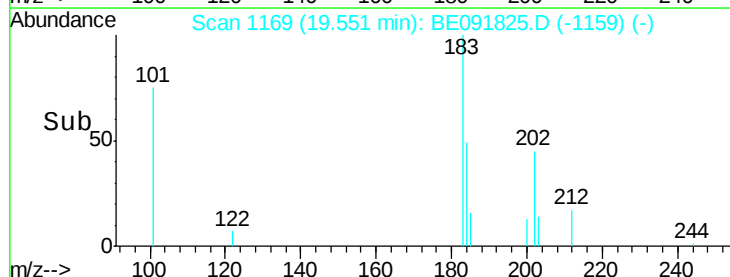
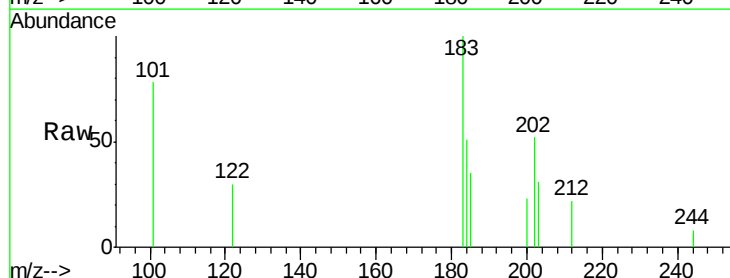
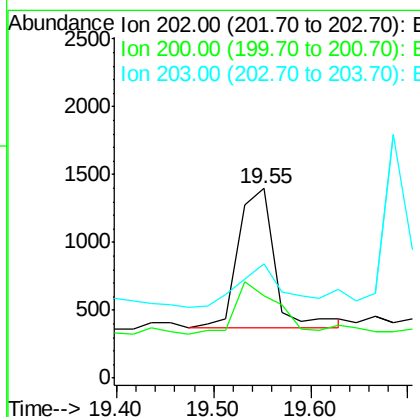
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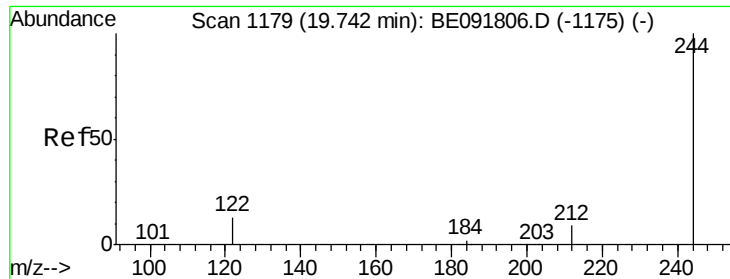
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#28
Pyrene
Concen: 0.05 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091825.D
Acq: 20 May 2016 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2649		
200	43.5	16.8	25.2#	
203	39.9	14.0	21.0#	





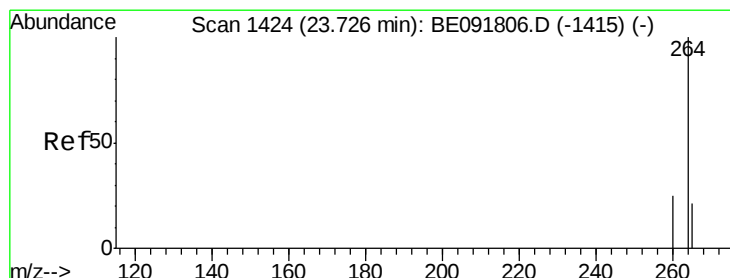
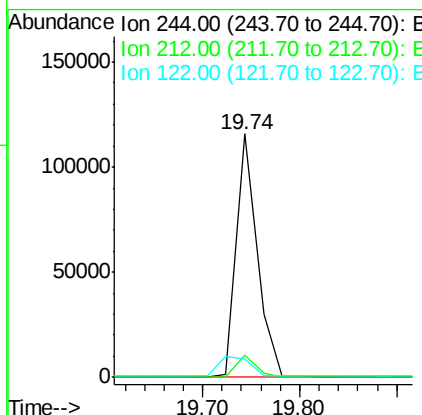
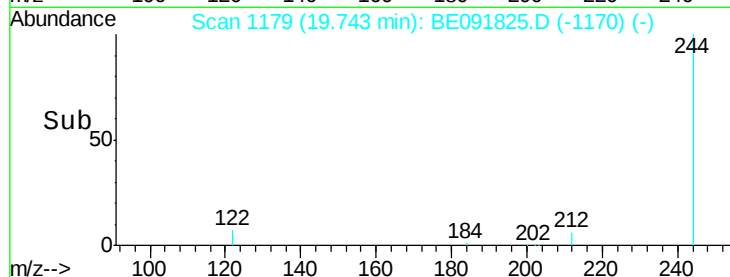
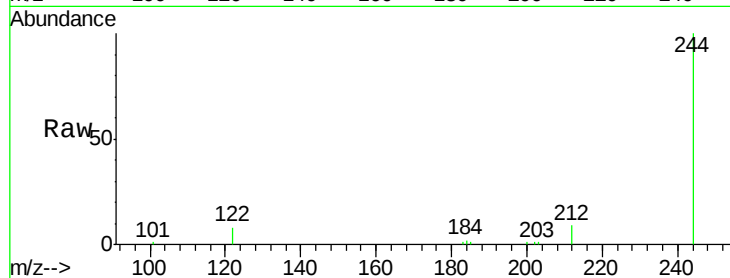
#29
 Terphenyl-d14
 Concen: 4.79 ng
 RT: 19.74 min Scan# 1179
 Delta R.T. -0.02 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW007-160512

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.1	6.9	10.3
122	7.8	11.0	16.4

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#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091825.D
 Acq: 20 May 2016 00:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.2	20.0	30.0
265	22.8	17.5	26.3

