

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032116\
 Data File : BE091497.D
 Acq On : 21 Mar 2016 13:26
 Operator : UM/SJ
 Sample : MDL-02-W
 Misc : 0.08PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

Manual Integrations
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Quant Time: Mar 21 17:54:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 14:14:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	54482	5.00	ng	-0.02
6) Naphthalene-d8	10.59	136	234953	5.00	ng	-0.02
10) Acenaphthene-d10	14.45	164	134795	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	351444	5.00	ng	-0.01
22) Chrysene-d12	21.33	240	491618	5.00	ng	0.00
28) Perylene-d12	23.80	264	423350	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	91843	7.34	ng	-0.01
5) Phenol-d6	6.97	99	121600	7.44	ng	-0.02
7) Nitrobenzene-d5	8.97	82	43787	3.47	ng	-0.01
11) 2,4,6-Tribromophenol	15.92	330	30032	6.10	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	146480	4.32	ng	0.00
24) Terphenyl-d14	19.78	244	241161	4.08	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	653	0.10	ng	86
3) n-Nitrosodimethylamine	3.68	42	452	0.05	ng	# 91
8) Naphthalene	10.65	128	3647	0.06	ng	# 96
9) 2-Methylnaphthalene	12.26	142	2278	0.06	ng	# 88
13) Acenaphthylene	14.15	152	3020m	0.18	ng	
14) Acenaphthene	14.50	154	2838	0.07	ng	92
15) Fluorene	15.48	166	3668	0.07	ng	99
17) Hexachlorobenzene	16.48	284	1168	0.08	ng	93
18) Pentachlorophenol	16.83	266	761	0.29	ng	92
19) Phenanthrene	17.22	178	8058	0.08	ng	96
20) Anthracene	17.31	178	5888	0.07	ng	97
21) Fluoranthene	19.22	202	7774	0.07	ng	96
23) Pyrene	19.59	202	8637	0.07	ng	98
25) Benzo(a)anthracene	21.31	228	11675m	0.09	ng	
26) Chrysene	21.36	228	13082m	0.10	ng	
27) Indeno(1,2,3-cd)pyrene	26.39	276	9508	0.07	ng	98
29) Benzo(b)fluoranthene	23.04	252	12613	0.09	ng	# 89
30) Benzo(k)fluoranthene	23.09	252	11048	0.08	ng	# 94
31) Benzo(a)pyrene	23.68	252	8257	0.07	ng	# 85
32) Dibenzo(a,h)anthracene	26.42	278	7952	0.07	ng	# 91
33) Benzo(g,h,i)perylene	27.17	276	8424	0.07	ng	95

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

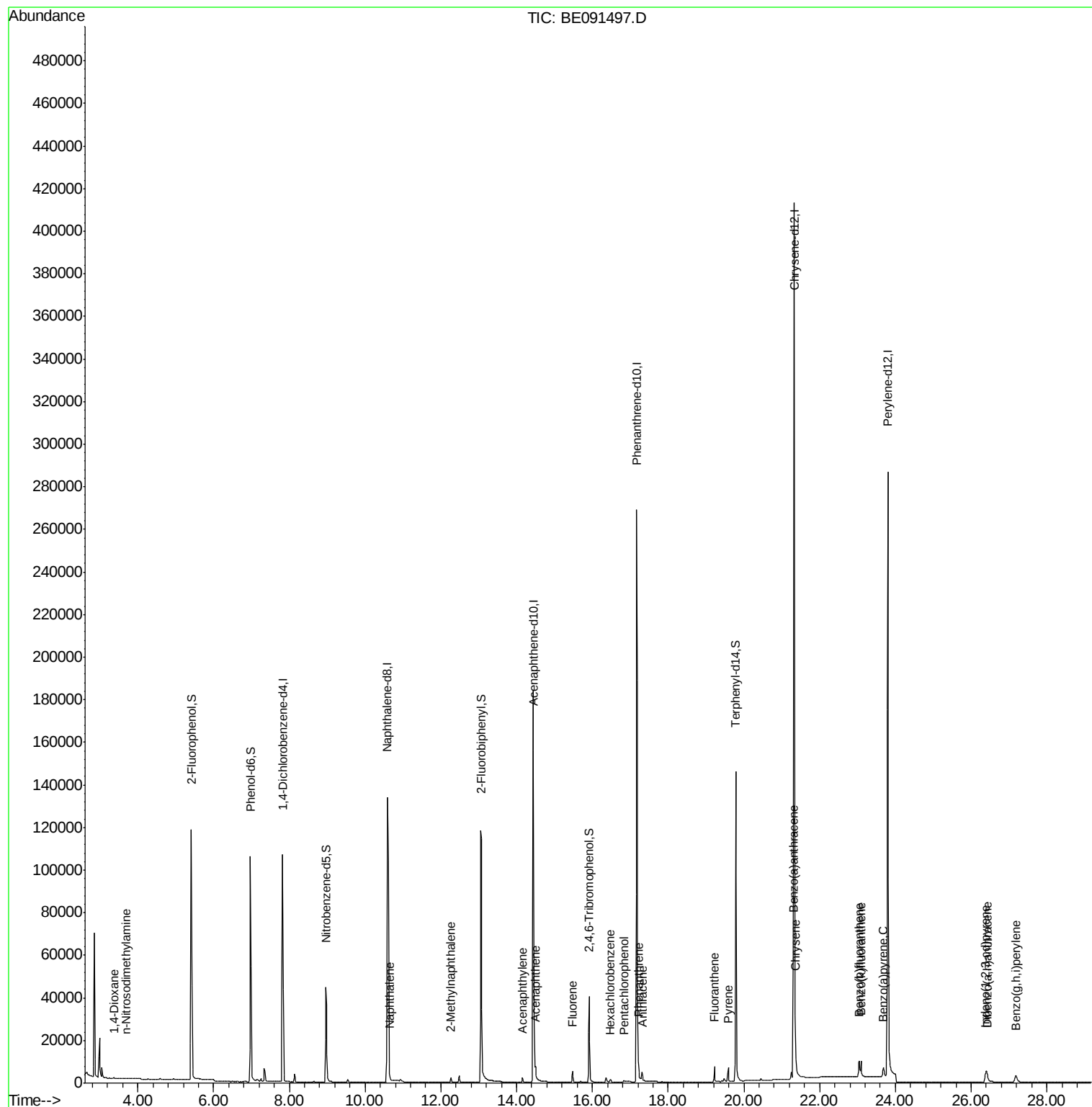
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032116\
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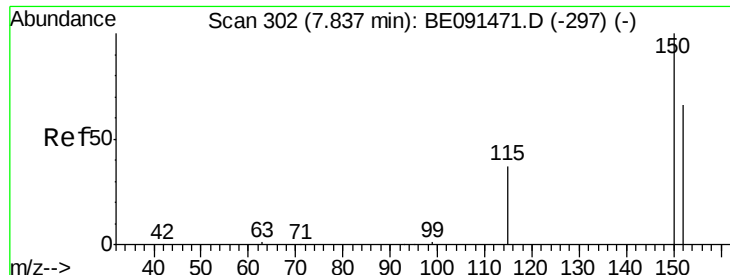
Instrument :
BNA_E
ClientSampleId :
MDL-02-W

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Quant Time: Mar 21 17:54:30 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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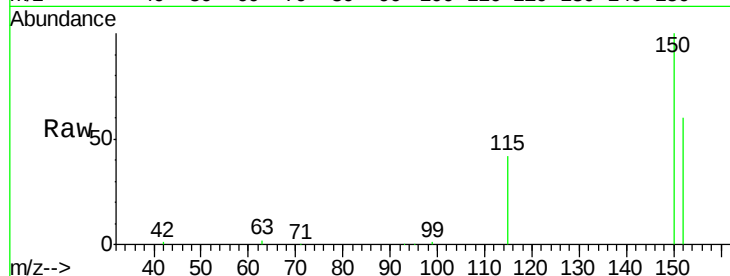




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.02 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

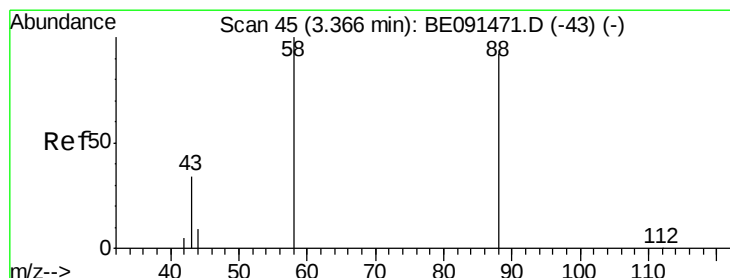
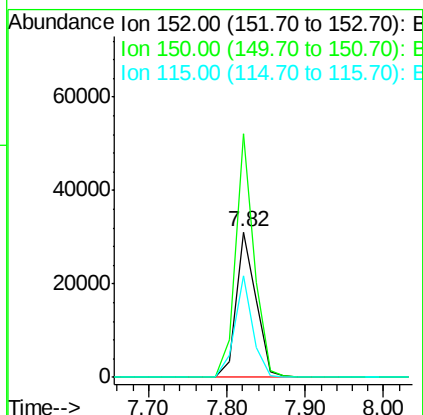
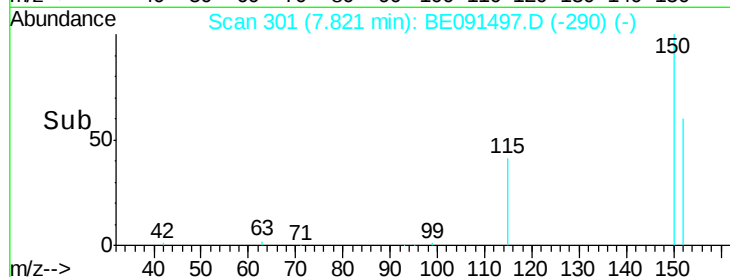
Instrument :
BNA_E
ClientSampleId :
MDL-02-W



Tgt Ion: 152 Resp: 54482
Ion Ratio Lower Upper
152 100
150 167.5 122.2 183.2
115 69.6 45.9 68.9#

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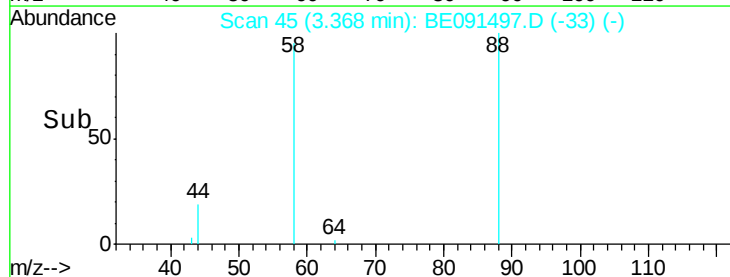
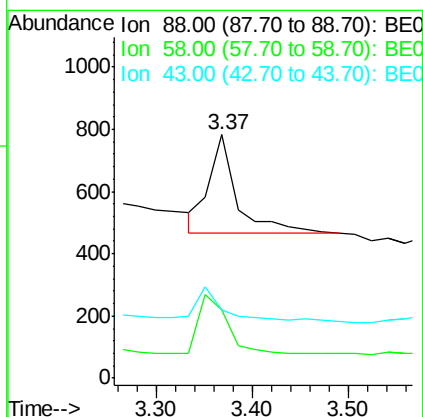
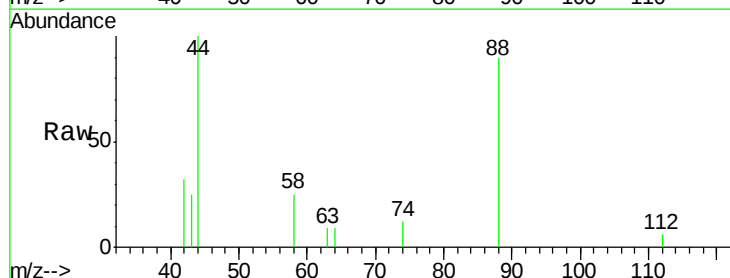
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#2

1,4-Dioxane
Concen: 0.10 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion: 88 Resp: 653
Ion Ratio Lower Upper
88 100
58 61.9 61.0 91.6
43 36.0 25.4 38.2





#3

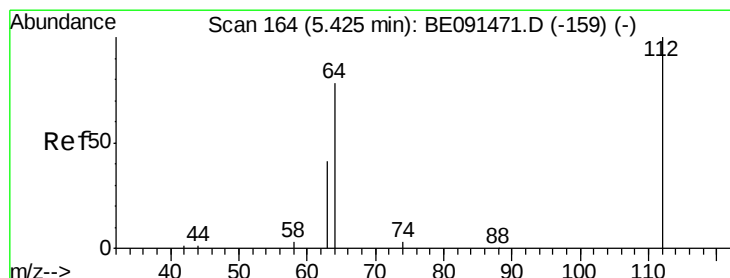
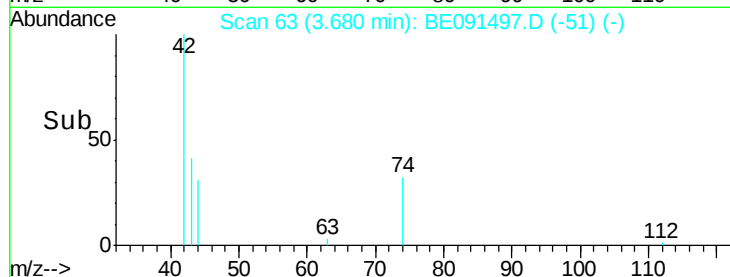
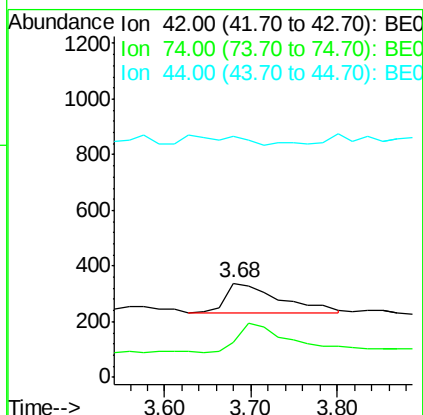
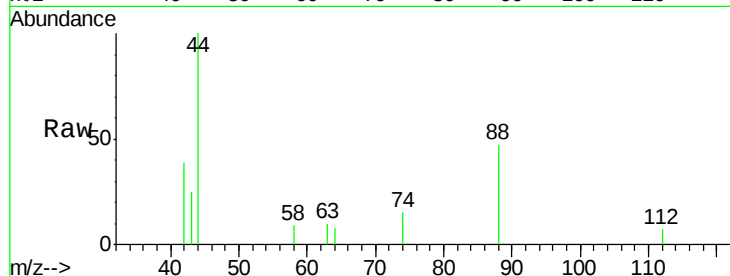
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
42	100		
74	97.3	84.3	126.5
44	0.0	6.7	10.1#

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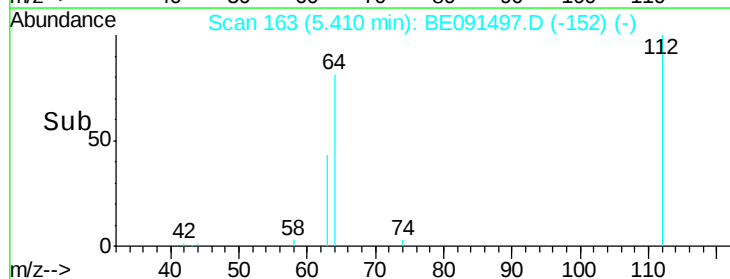
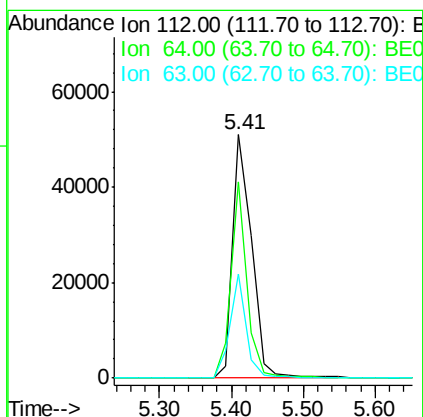
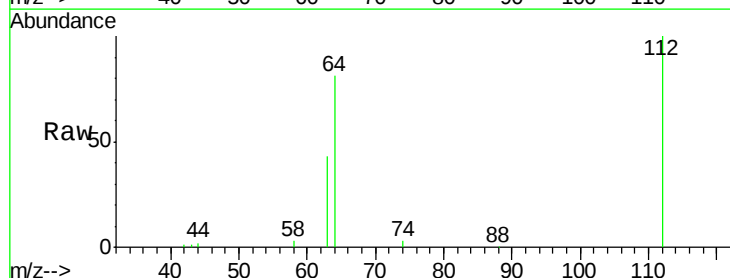
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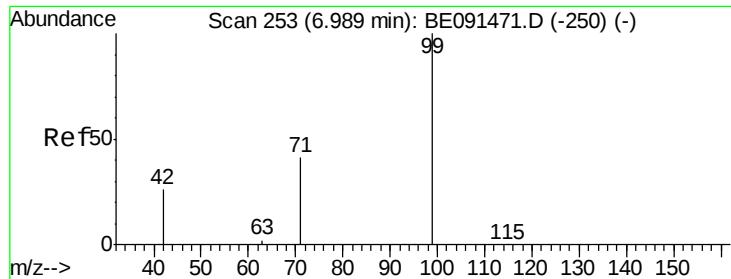


#4

2-Fluorophenol
Concen: 7.34 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.01 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.3	79.9
63	36.9	29.8	44.8





#5

Phenol-d6

Concen: 7.44 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

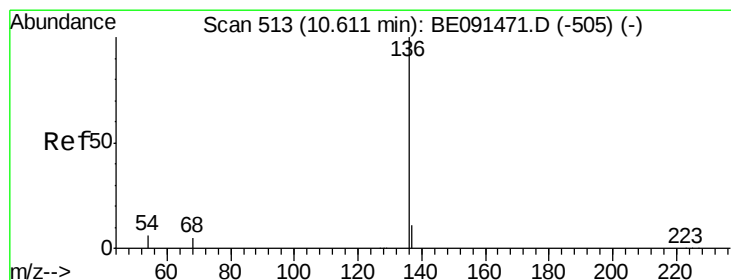
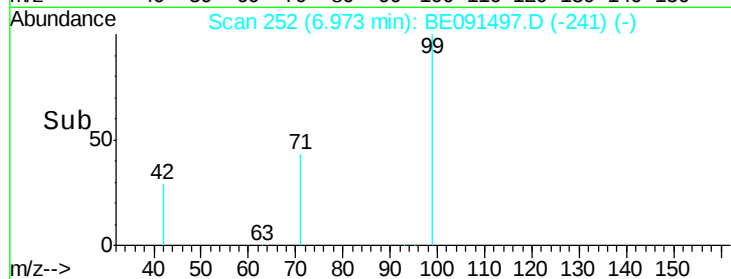
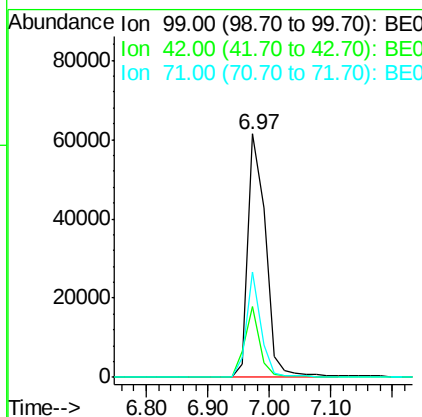
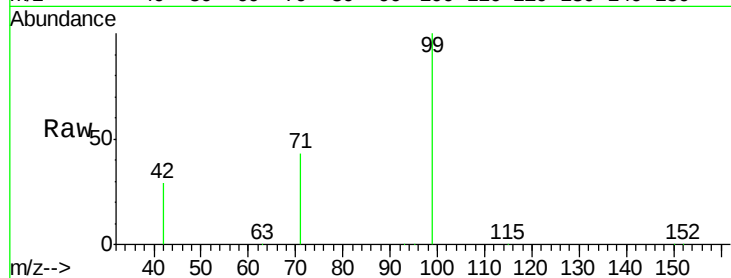
ClientSampleId :

MDL-02-W

Tgt Ion:	99	Resp:	121600
Ion Ratio	Lower	Upper	
99	100		
42	24.9	20.6	30.8
71	35.9	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

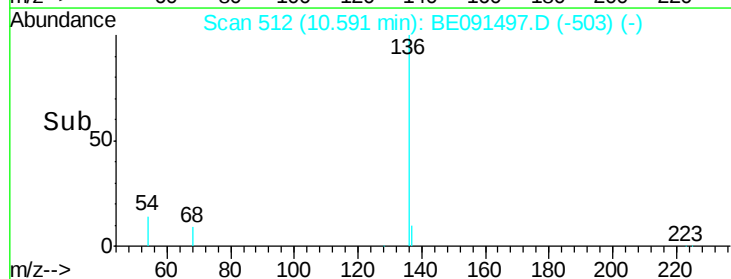
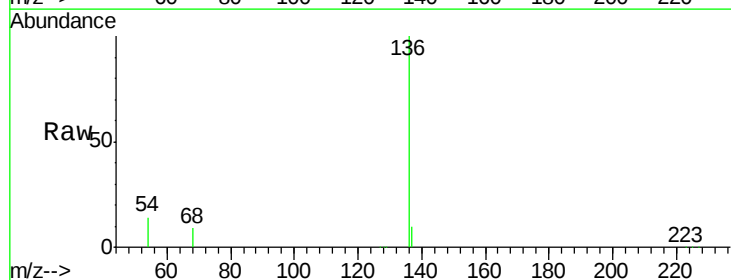
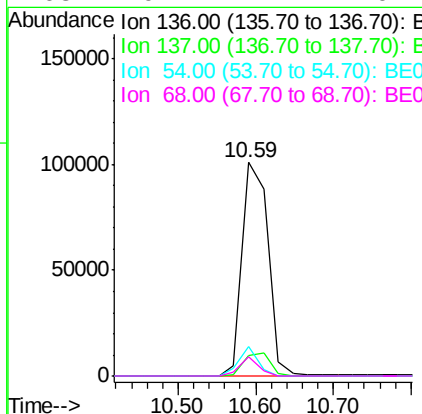
RT: 10.59 min Scan# 512

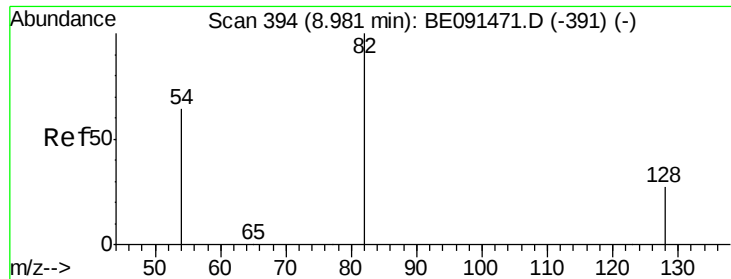
Delta R.T. -0.02 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Tgt Ion:	136	Resp:	234953
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.8	13.2
54	13.7	5.2	7.8#
68	9.2	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 3.47 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091497.D

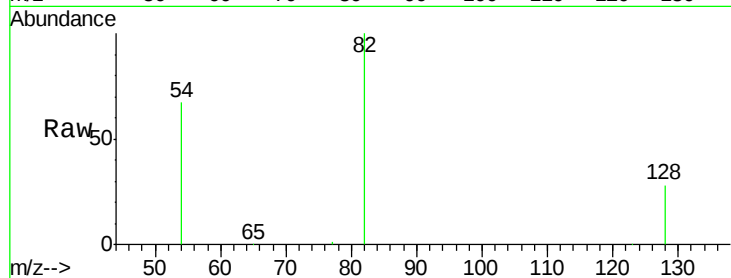
Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

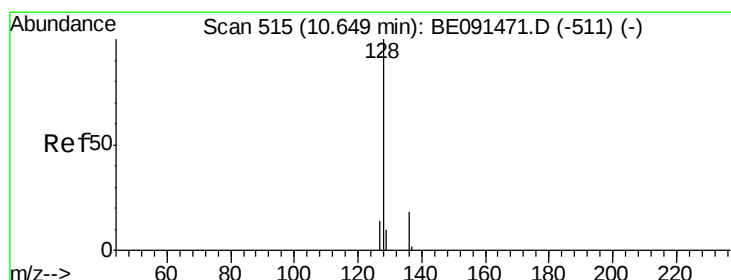
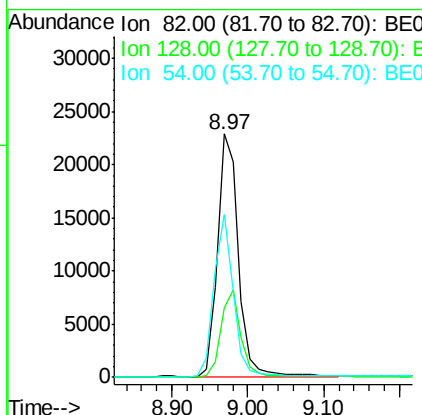
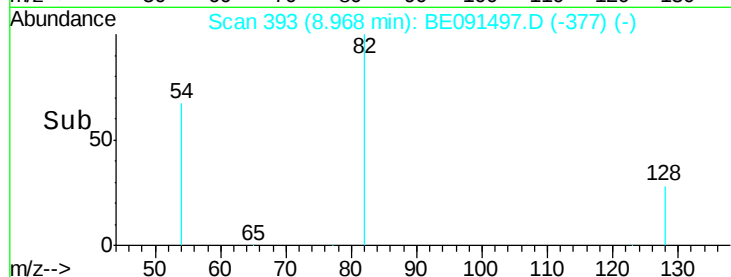
MDL-02-W



Tgt Ion:	82	Resp:	43787
Ion Ratio	Lower	Upper	
82	100		
128	28.4	23.5	35.3
54	66.9	52.4	78.6

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#8

Naphthalene

Concen: 0.06 ng

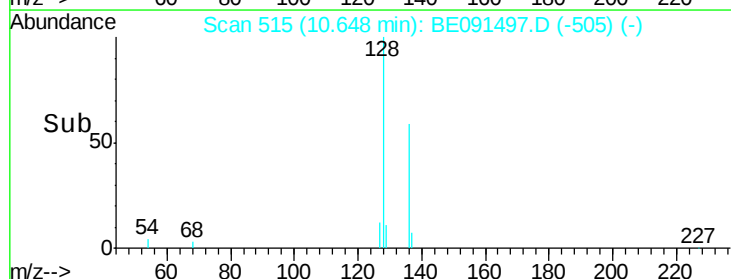
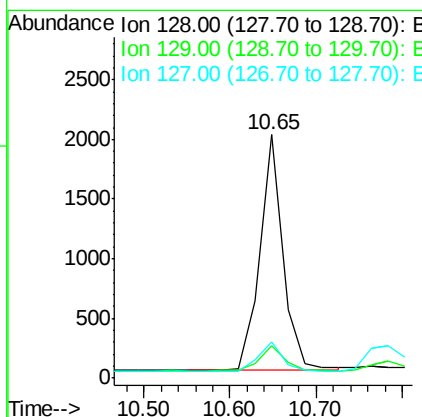
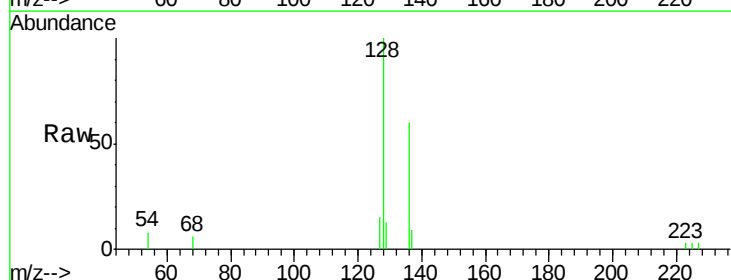
RT: 10.65 min Scan# 515

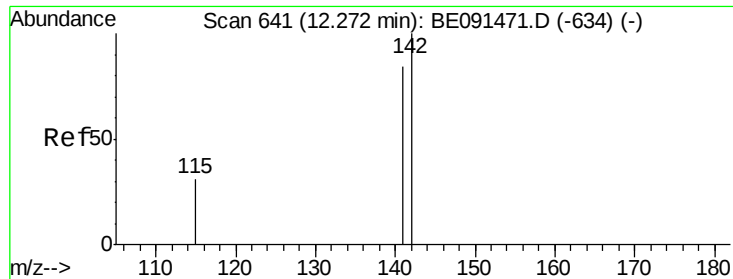
Delta R.T. -0.00 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Tgt Ion:	128	Resp:	3647
Ion Ratio	Lower	Upper	
128	100		
129	13.4	8.2	12.2#
127	14.7	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.06 ng

RT: 12.26 min Scan# 640

Delta R.T. -0.01 min

Lab File: BE091497.D

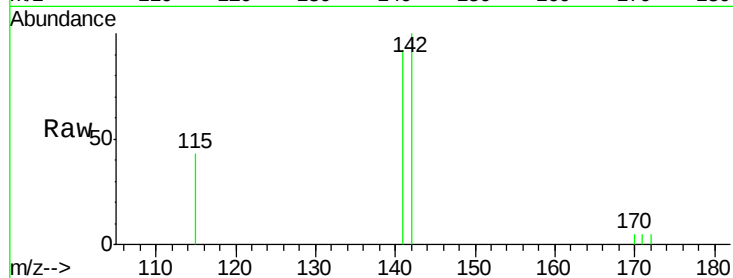
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Instrument :

BNA_E

ClientSampleId :

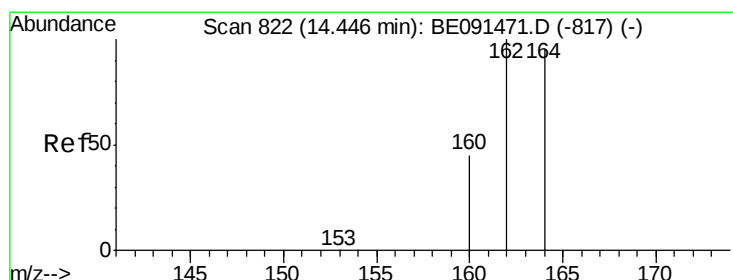
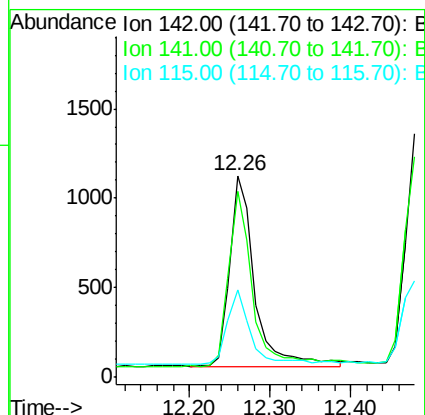
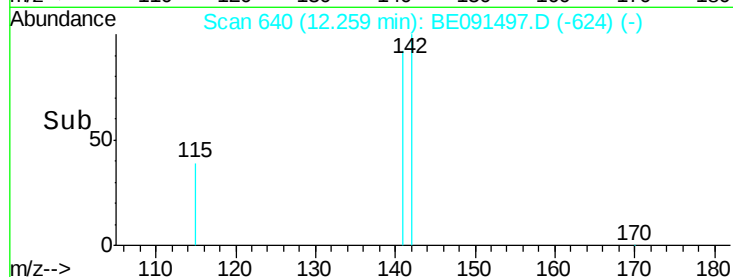
MDL-02-W



Tgt Ion:	142	Resp:	2278
Ion Ratio	Lower	Upper	
142	100		
141	91.8	66.9	100.3
115	43.1	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

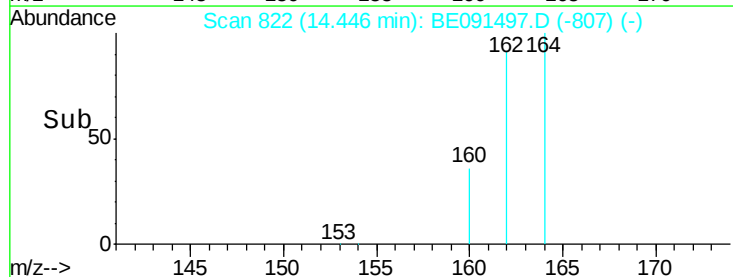
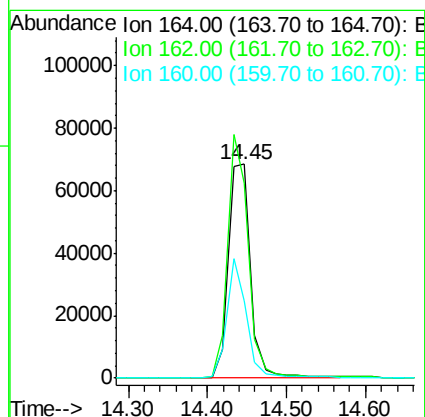
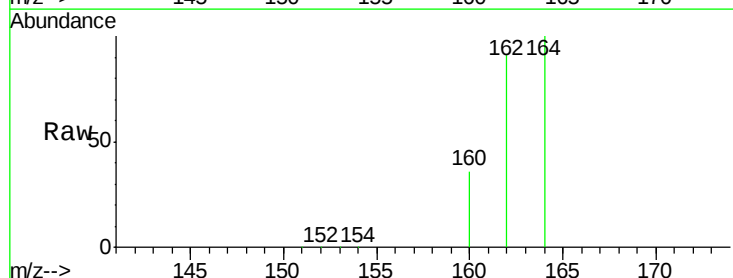
RT: 14.45 min Scan# 822

Delta R.T. 0.00 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

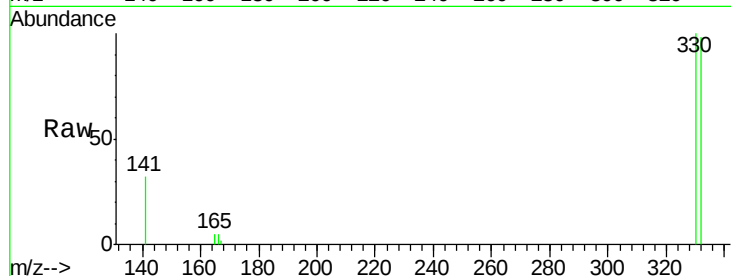
Tgt Ion:	164	Resp:	134795
Ion Ratio	Lower	Upper	
164	100		
162	91.2	84.4	126.6
160	36.3	37.7	56.5#





#11
 2,4,6-Tribromophenol
 Concen: 6.10 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091497.D
 Acq: 21 Mar 2016 13:26

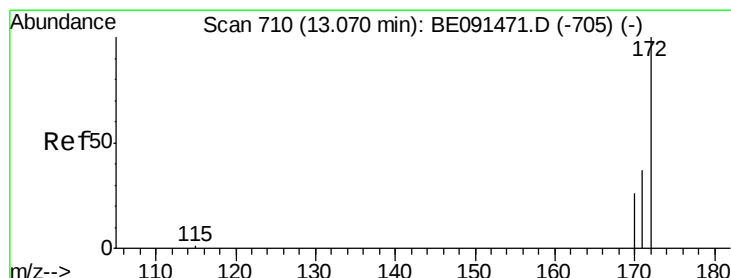
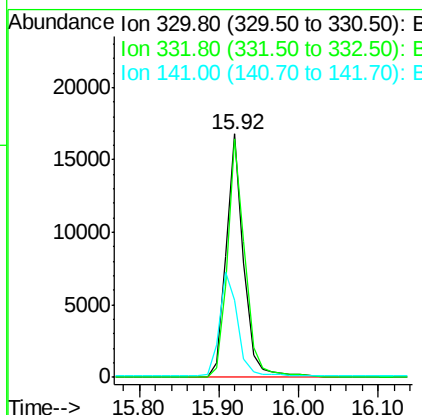
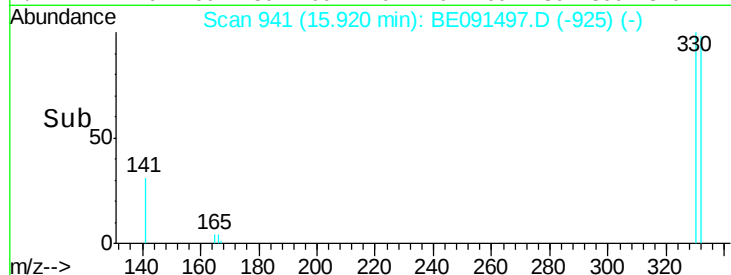
Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W



Tgt Ion:330 Resp: 30032
 Ion Ratio Lower Upper
 330 100
 332 98.5 79.2 118.8
 141 45.9 28.1 42.1#

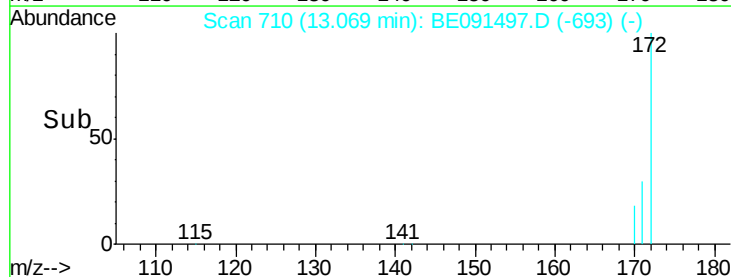
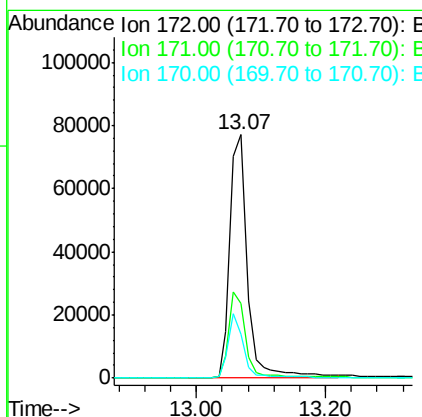
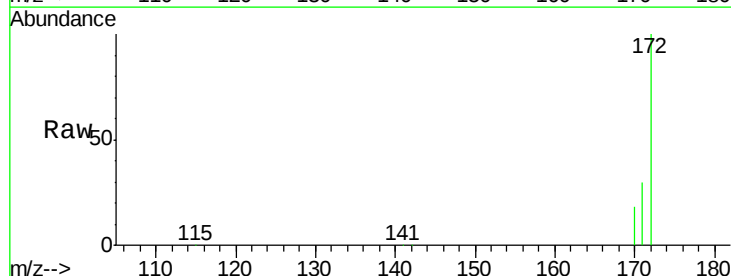
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#12
 2-Fluorobiphenyl
 Concen: 4.32 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091497.D
 Acq: 21 Mar 2016 13:26

Tgt Ion:172 Resp: 146480
 Ion Ratio Lower Upper
 172 100
 171 30.5 29.8 44.8
 170 17.9 21.4 32.2#





#13

Acenaphthylene

Concen: 0.18 ng m

RT: 14.15 min Scan# 800

Delta R.T. -0.01 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

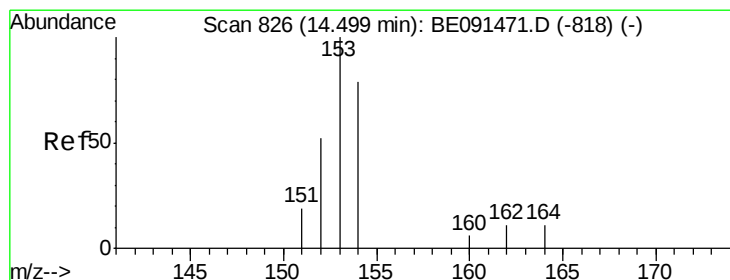
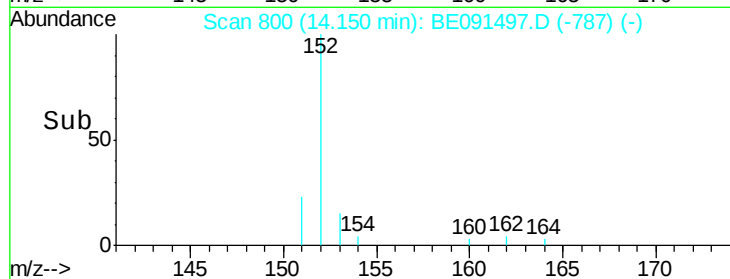
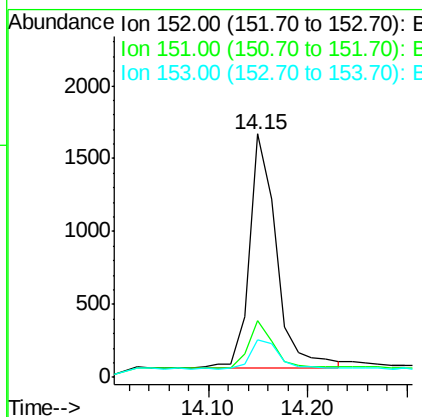
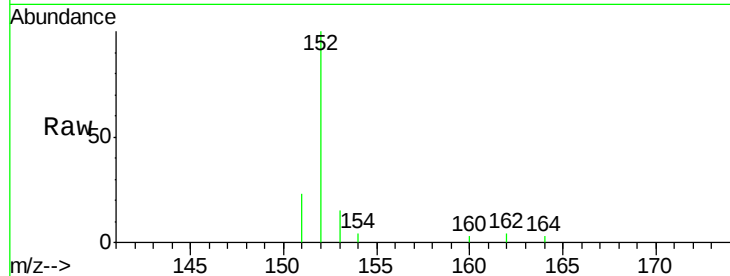
ClientSampleId :

MDL-02-W

Tgt Ion:	152	Resp:	3020
Ion Ratio	Lower	Upper	
152	100		
151	29.5	16.3	24.5#
153	21.0	11.1	16.7#

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#14

Acenaphthene

Concen: 0.07 ng

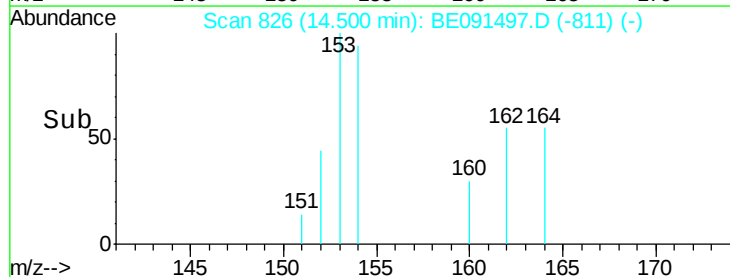
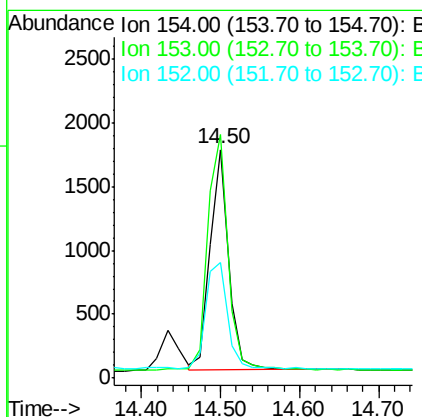
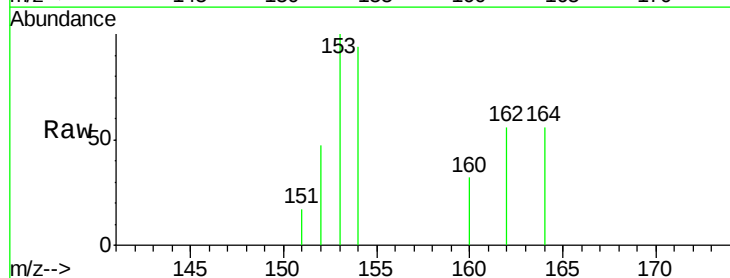
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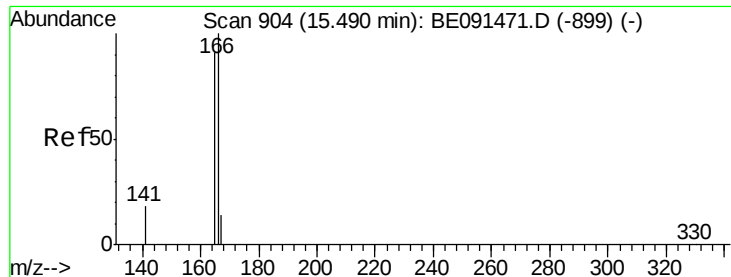
Delta R.T. 0.00 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Tgt Ion:	154	Resp:	2838
Ion Ratio	Lower	Upper	
154	100		
153	119.1	87.3	130.9
152	57.4	42.9	64.3





#15

Fluorene

Concen: 0.07 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

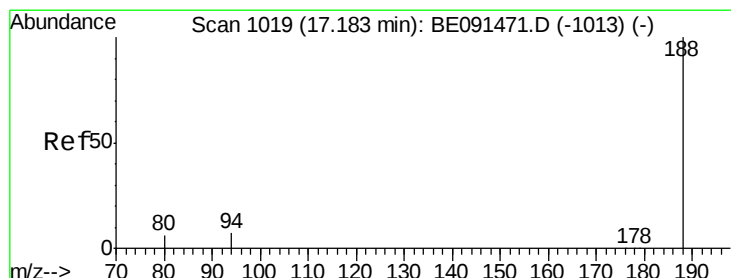
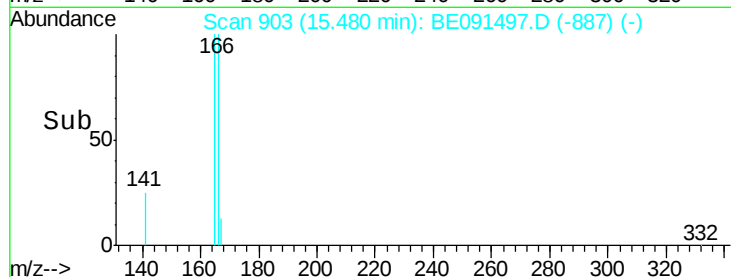
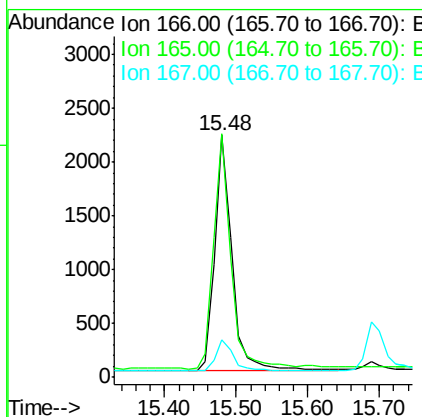
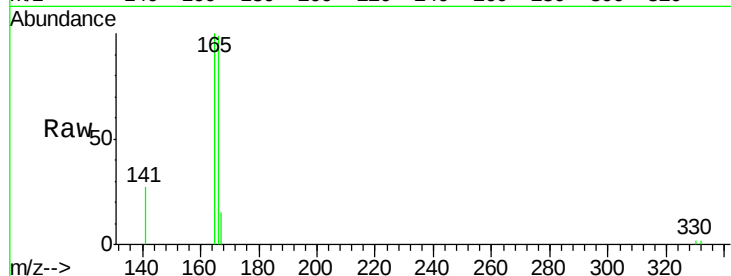
ClientSampleId :

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Tgt Ion:	166	Resp:	3668
Ion Ratio	Lower	Upper	
166	100		
165	100.5	79.2	118.8
167	14.0	10.8	16.2



#16

Phenanthrene-d10

Concen: 5.00 ng

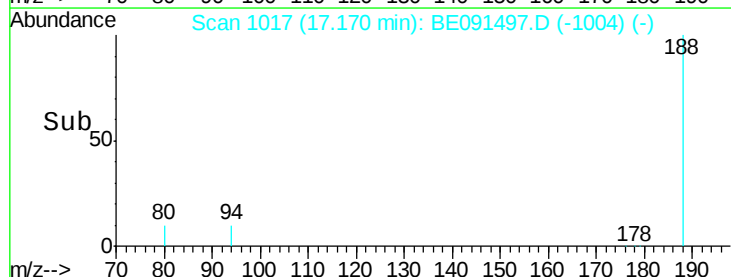
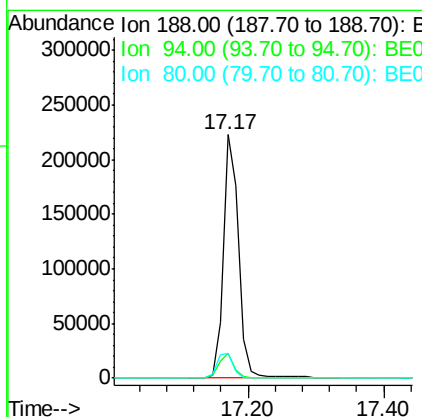
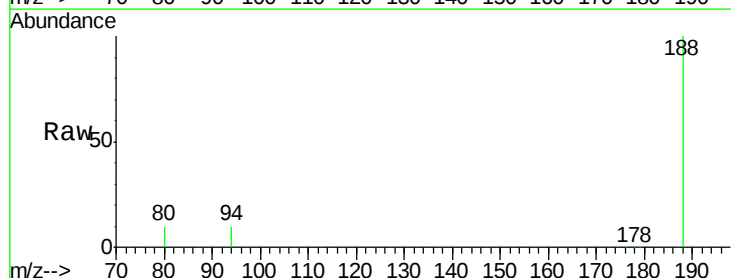
RT: 17.17 min Scan# 1017

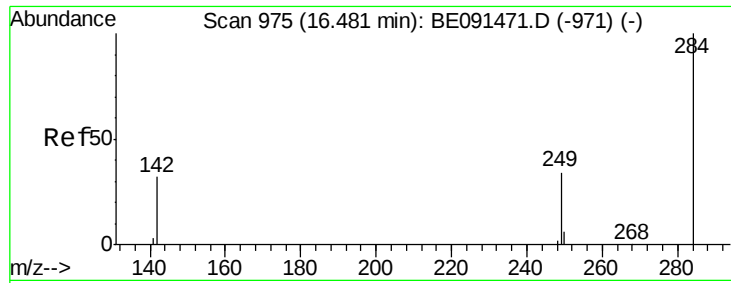
Delta R.T. -0.01 min

Lab File: BE091497.D

Acq: 21 Mar 2016 13:26

Tgt Ion:	188	Resp:	351444
Ion Ratio	Lower	Upper	
188	100		
94	10.2	5.4	8.2#
80	10.3	5.0	7.4#





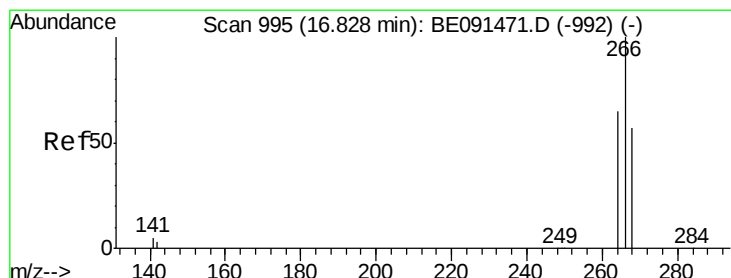
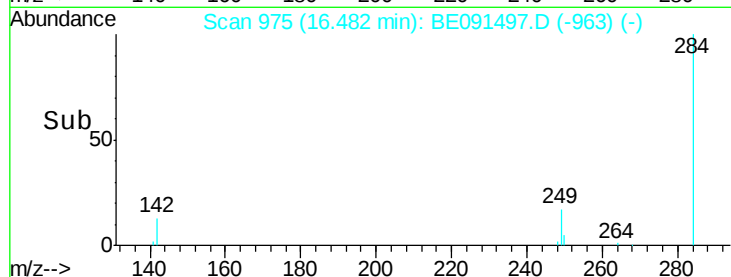
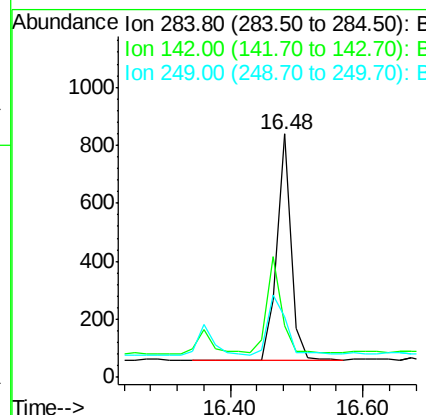
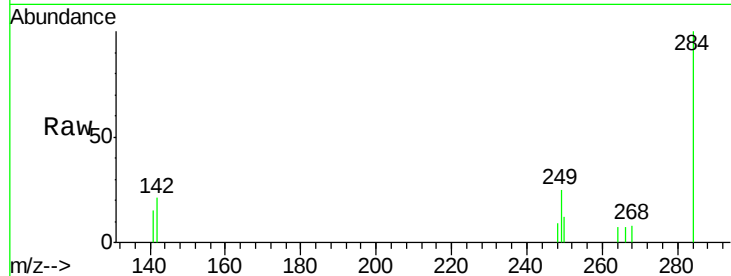
#17
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
284	100		
142	43.8	31.0	46.4
249	35.1	25.8	38.8

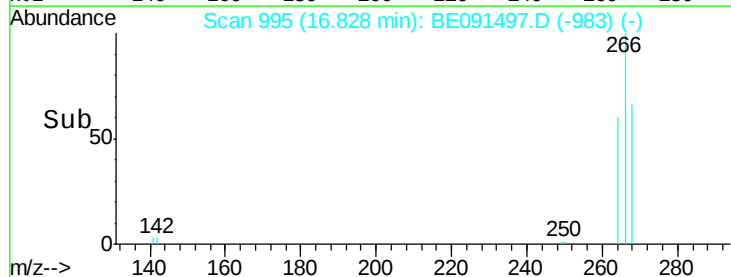
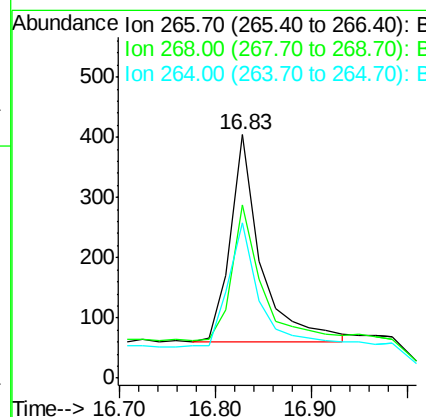
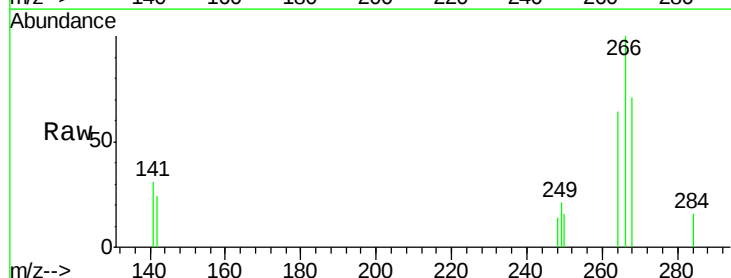
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#18
Pentachlorophenol
Concen: 0.29 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
266	100		
268	71.3	48.2	72.2
264	63.6	52.1	78.1





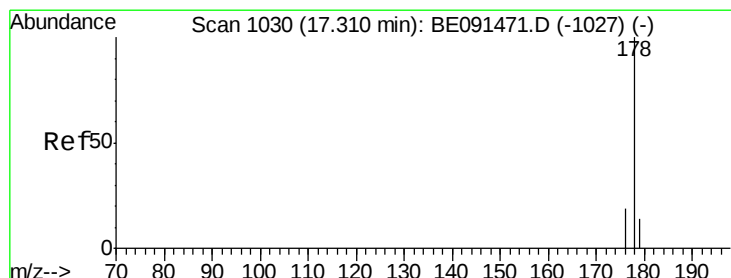
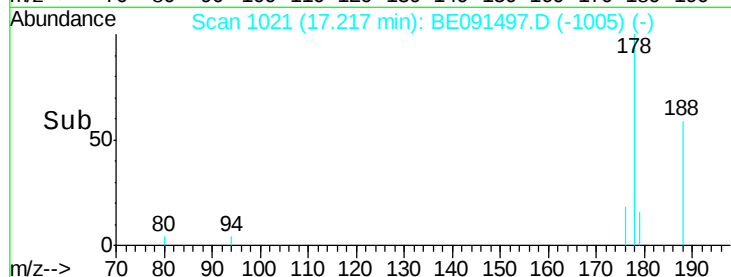
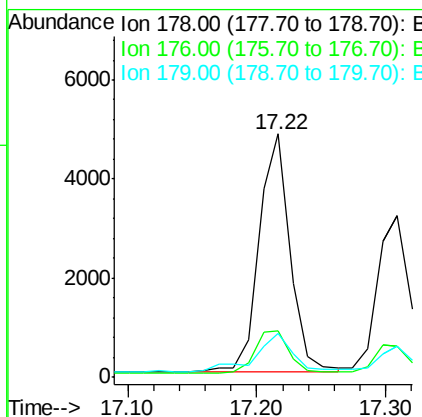
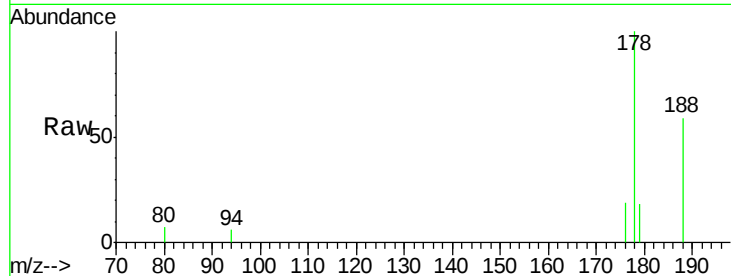
#19
Phenanthrene
Concen: 0.08 ng
RT: 17.22 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion:178 Resp: 8058
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 19.2 13.1 19.7

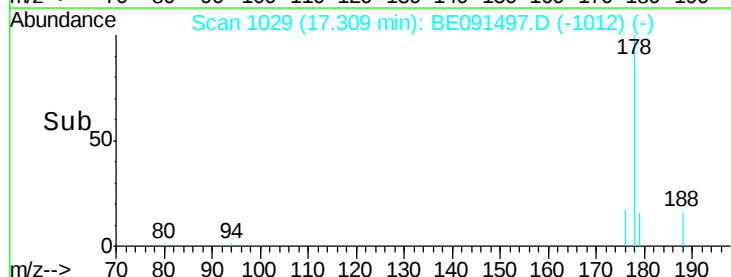
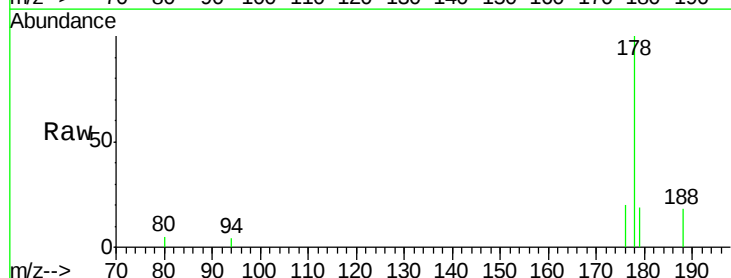
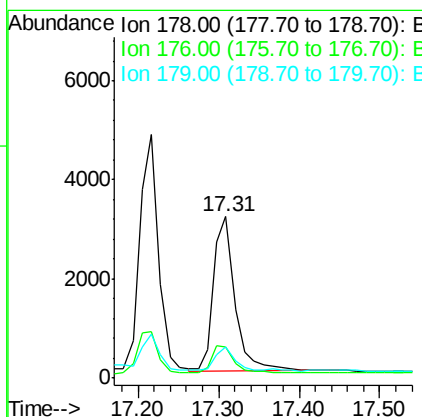
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#20
Anthracene
Concen: 0.07 ng
RT: 17.31 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion:178 Resp: 5888
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 13.3 12.2 18.4





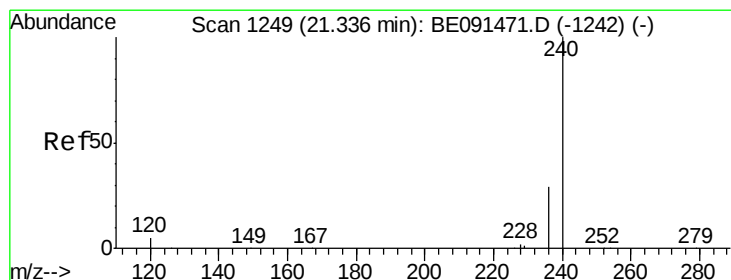
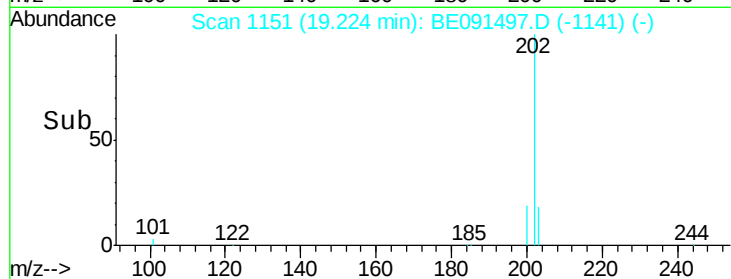
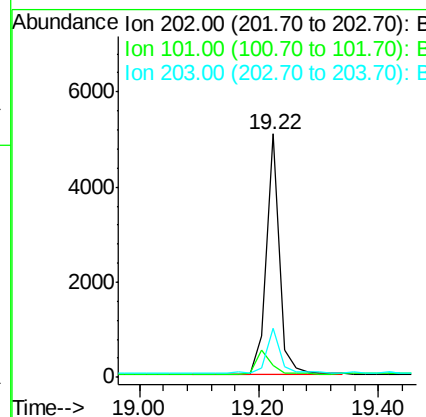
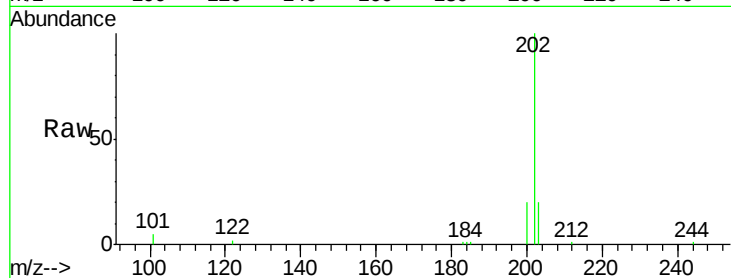
#21
Fluoranthene
Concen: 0.07 ng
RT: 19.22 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.3	12.5
203	19.2	13.9	20.9

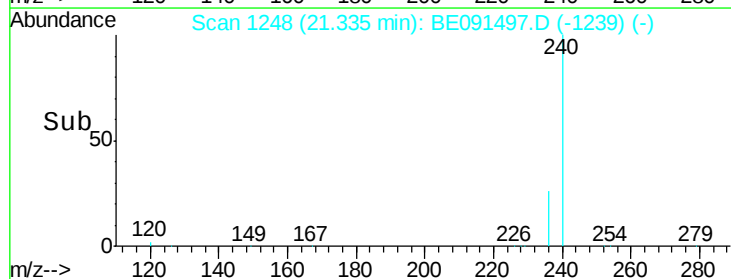
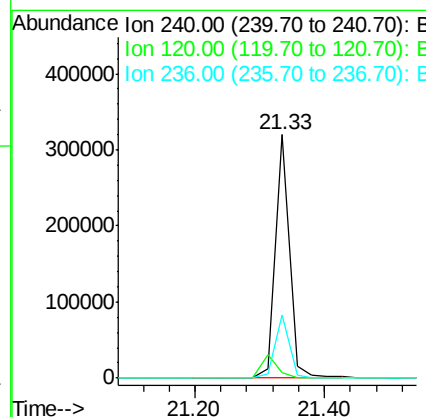
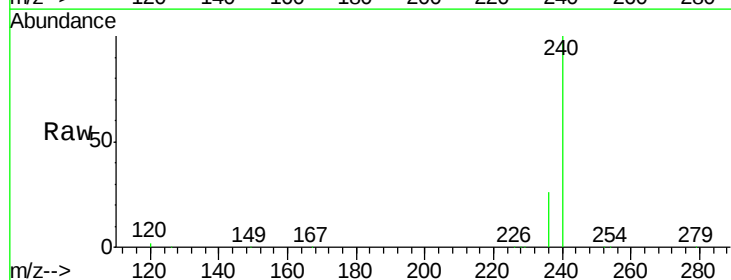
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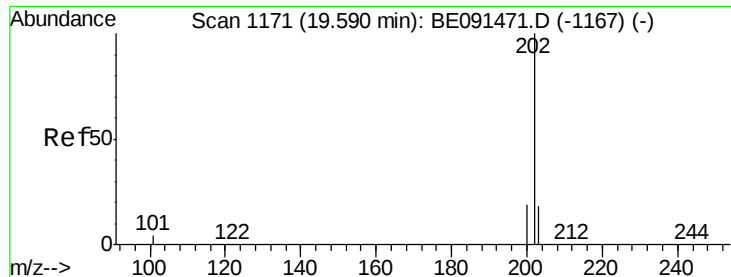
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.1	4.0	6.0#
236	25.8	23.0	34.4





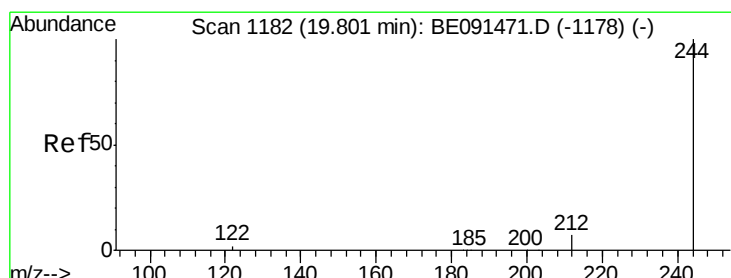
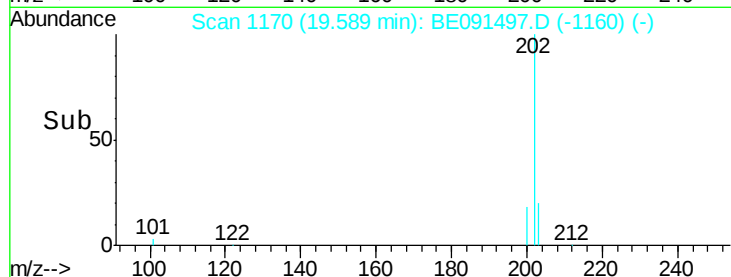
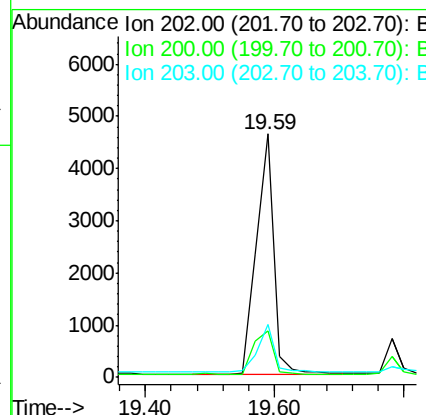
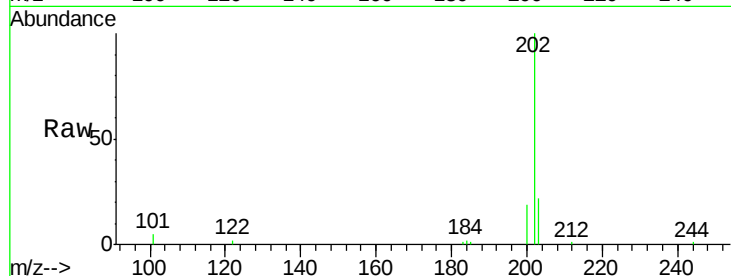
#23
Pyrene
Concen: 0.07 ng
RT: 19.59 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8637		
200	21.2		16.4	24.6
203	19.2		14.6	21.8

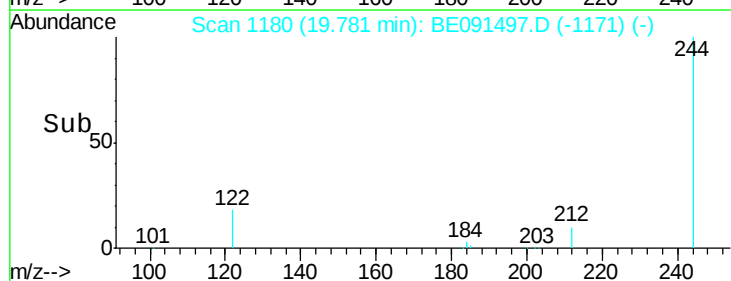
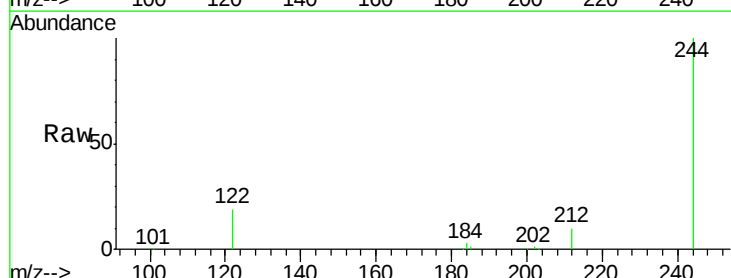
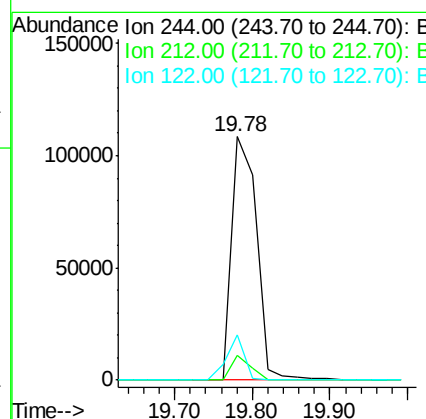
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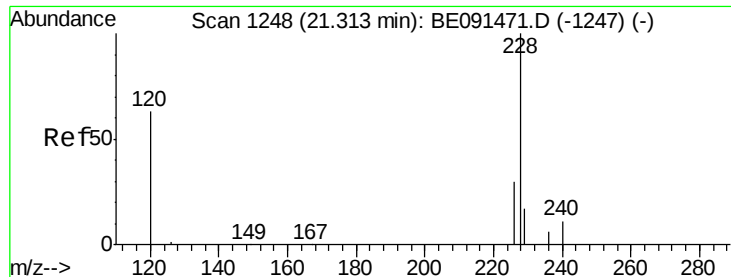
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#24
Terphenyl-d14
Concen: 4.08 ng
RT: 19.78 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	241161		
212	10.3		5.8	8.8#
122	18.6		1.8	2.8#





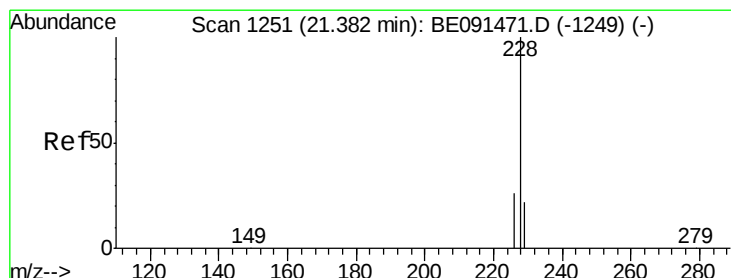
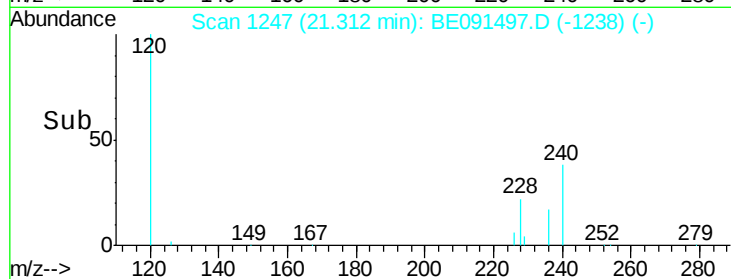
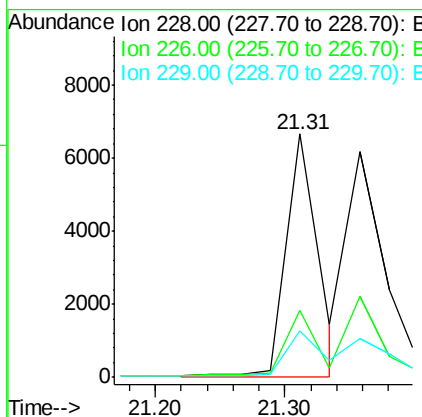
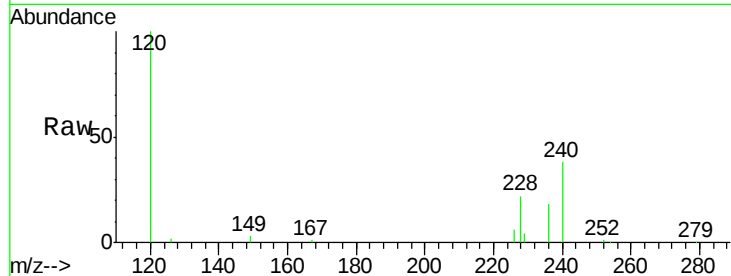
#25
Benzo(a)anthracene
Concen: 0.09 ng m
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.0	36.0
229	19.3	13.8	20.6

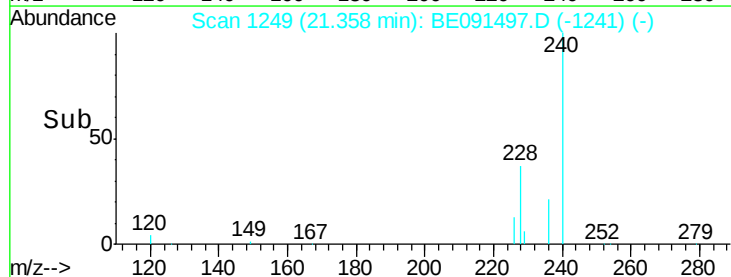
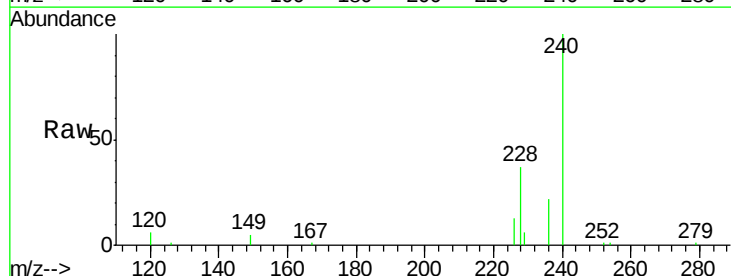
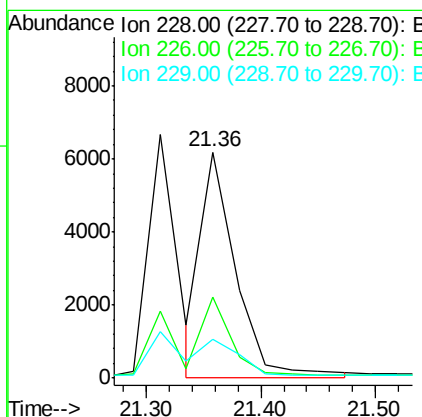
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#26
Chrysene
Concen: 0.10 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.7	18.9	28.3#
229	17.0	19.1	28.7#





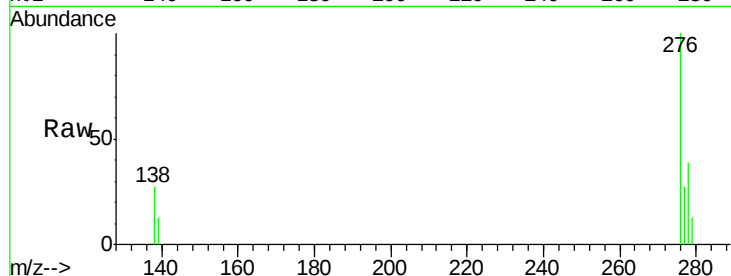
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng
 RT: 26.39 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: BE091497.D
 Acq: 21 Mar 2016 13:26

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

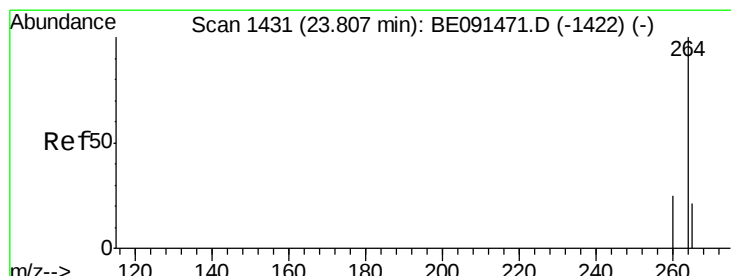
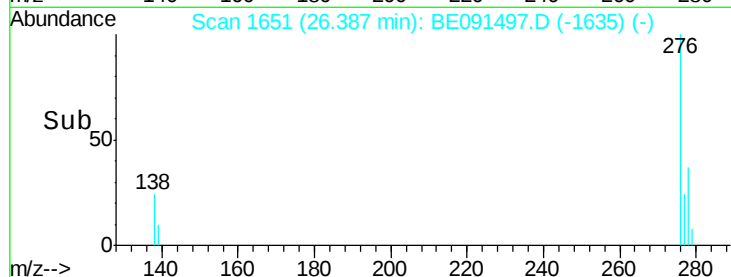
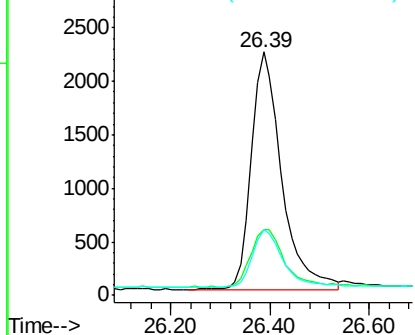
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	20.2	30.4
277	24.5	19.8	29.8

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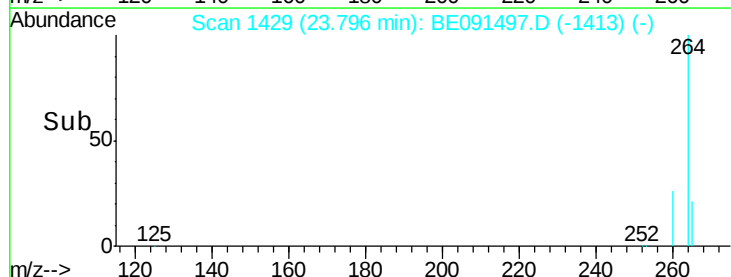
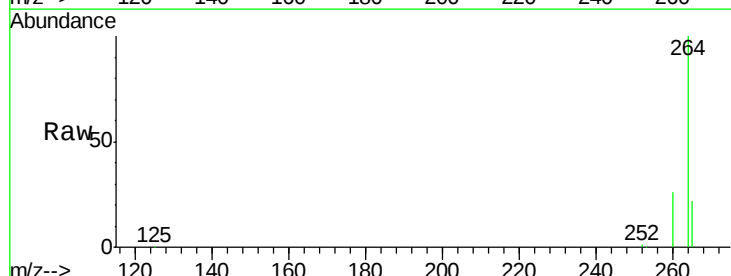
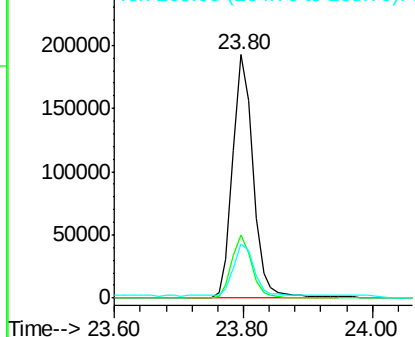
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

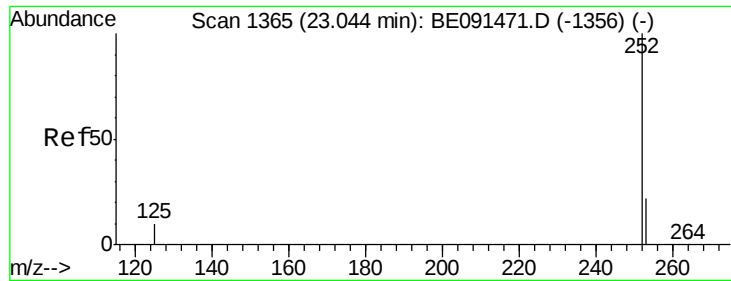


#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.80 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091497.D
 Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.1	30.1
265	22.0	18.3	27.5

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 23.04 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BE091497.D

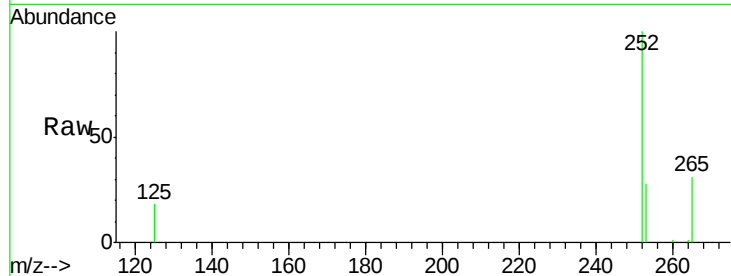
Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

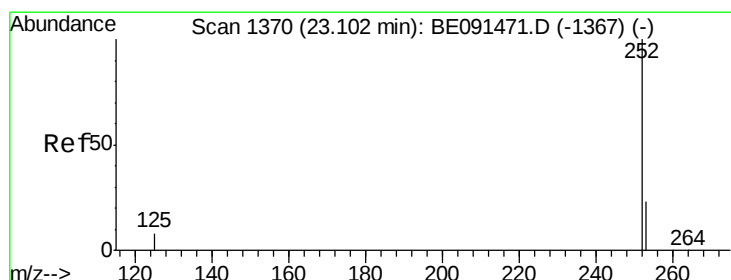
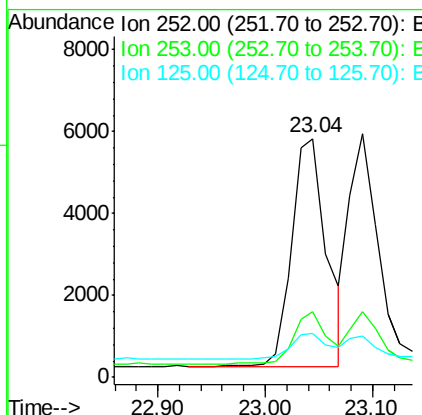
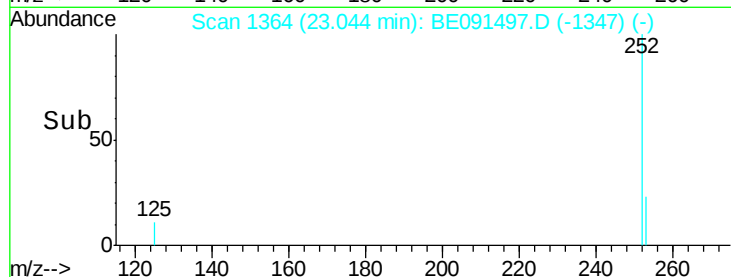
MDL-02-W



Tgt Ion:	252	Resp:	12613
Ion Ratio	Lower	Upper	
252	100		
253	27.7	18.7	28.1
125	18.2	9.8	14.6#

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#30

Benzo(k)fluoranthene

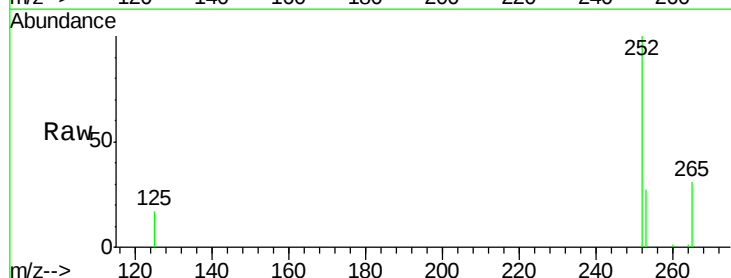
Concen: 0.08 ng

RT: 23.09 min Scan# 1368

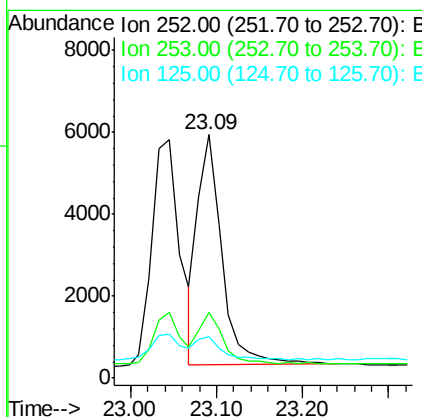
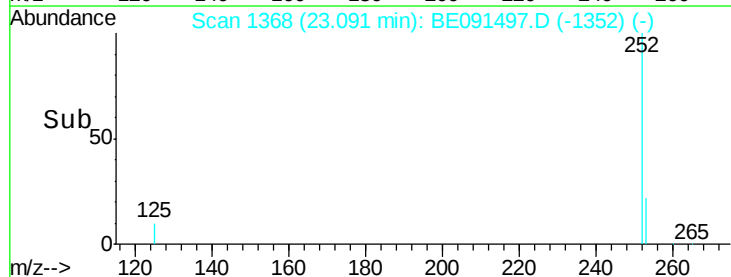
Delta R.T. -0.01 min

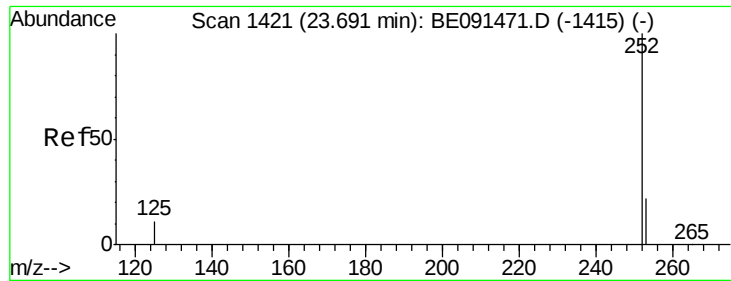
Lab File: BE091497.D

Acq: 21 Mar 2016 13:26



Tgt Ion:	252	Resp:	11048
Ion Ratio	Lower	Upper	
252	100		
253	26.8	20.2	30.4
125	16.9	9.4	14.2#





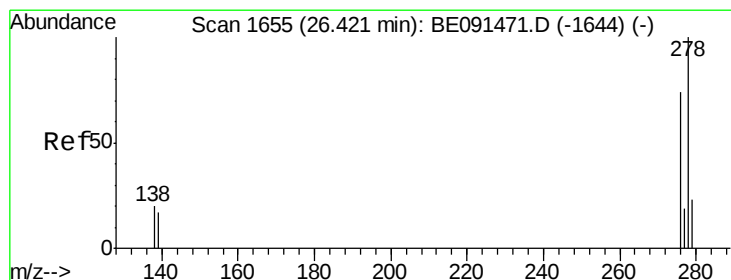
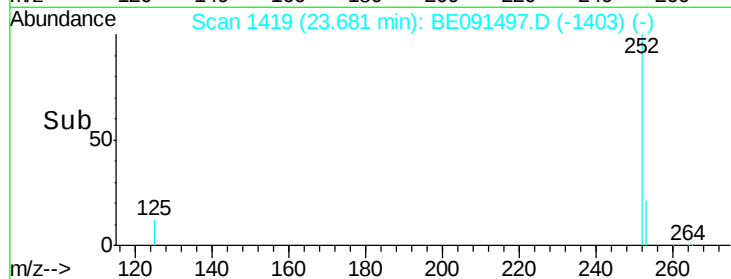
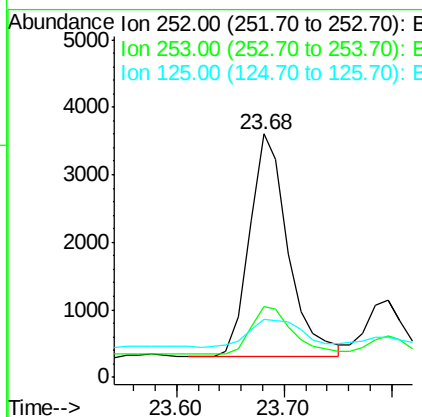
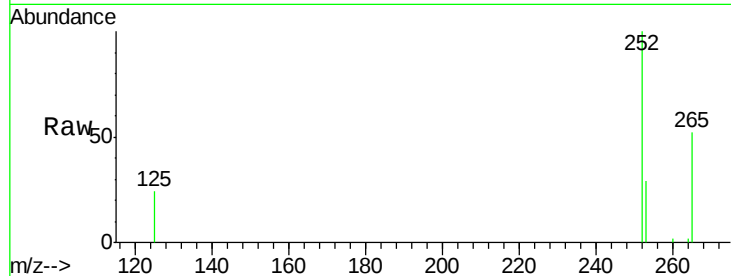
#31
Benzo(a)pyrene
Concen: 0.07 ng
RT: 23.68 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.4	29.0
125	23.8	11.4	17.2#

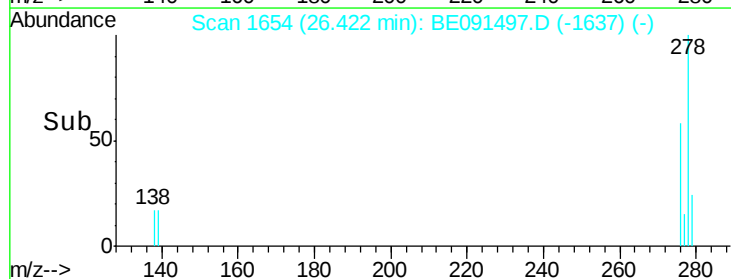
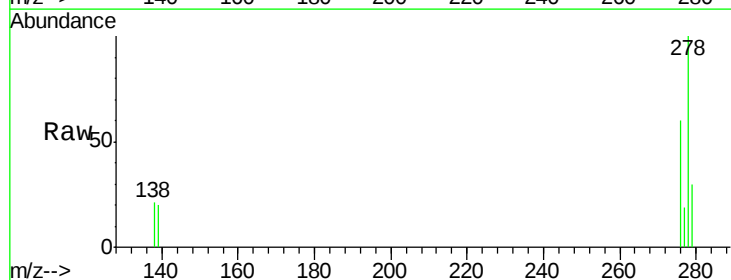
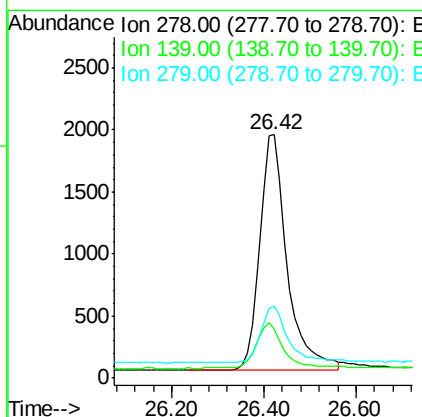
Manual Integrations
APPROVED

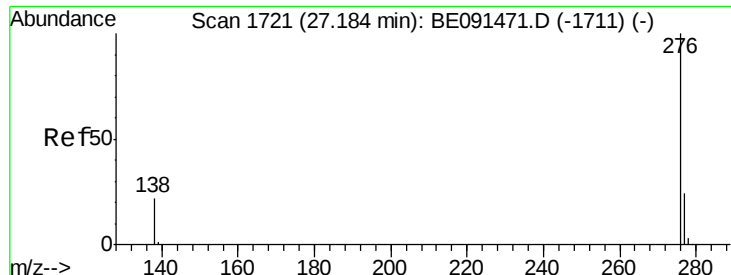
mohammad
3/21/2016 6:40:07 PM



#32
Dibenzo(a,h)anthracene
Concen: 0.07 ng
RT: 26.42 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BE091497.D
Acq: 21 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	14.2	21.4
279	29.9	19.6	29.4#





#33

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 27.17 min Scan# 1719

Delta R.T. -0.01 min

Lab File: BE091497.D

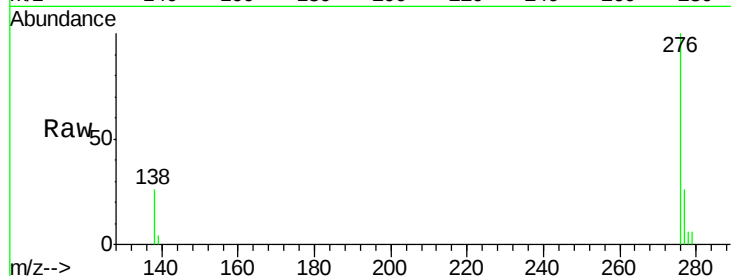
Acq: 21 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

MDL-02-W



Tgt Ion:	276	Resp:	8424
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.4	29.2
138	25.5	18.2	27.4

Manual Integrations
APPROVED

mohammad
3/21/2016 6:40:07 PM

