

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089626.D
 Acq On : 18 Feb 2015 20:12
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Manual Integrations
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Quant Time: Feb 19 05:02:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 13:01:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37157	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	147268	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	72762	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	143226	5.00	ng	0.00
19) Chrysene-d12	23.66	240	127774	5.00	ng	0.00
25) Perylene-d12	25.34	264	100613	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	65970	10.31	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	176896	9.08	ng	0.00
21) Terphenyl-d14	22.30	244	209849	11.42	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.74	88	326	0.07	ng	# 80
6) Naphthalene	12.29	128	2586	0.08	ng	# 93
7) 2-Methylnaphthalene	13.95	142	1406	0.07	ng	96
10) Acenaphthylene	16.07	152	7578	0.06	ng	100
11) Acenaphthene	16.50	154	1432	0.08	ng	89
12) Fluorene	17.74	166	1576	0.07	ng	98
14) Hexachlorobenzene	19.00	284	501	0.08	ng	# 92
15) Pentachlorophenol	19.44	266	31	Below Cal		# 67
16) Phenanthrene	19.82	178	2756	0.08	ng	99
17) Anthracene	19.91	178	1937	0.06	ng	99
18) Fluoranthene	21.72	202	1967	0.06	ng	99
20) Pyrene	22.04	202	2087	0.07	ng	99
22) Benzo(a)anthracene	23.65	228	7092m	0.06	ng	
23) Chrysene	23.69	228	11496	0.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.75	276	2155	0.19	ng	95
26) Benzo(b)fluoranthene	24.91	252	545	0.29	ng	# 78
27) Benzo(k)fluoranthene	24.94	252	1067m	0.04	ng	
28) Benzo(a)pyrene	25.27	252	543	0.26	ng	# 73
29) Dibenzo(a,h)anthracene	26.77	278	380	0.25	ng	# 52
30) Benzo(g,h,i)perylene	27.16	276	2440	0.16	ng	# 72

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

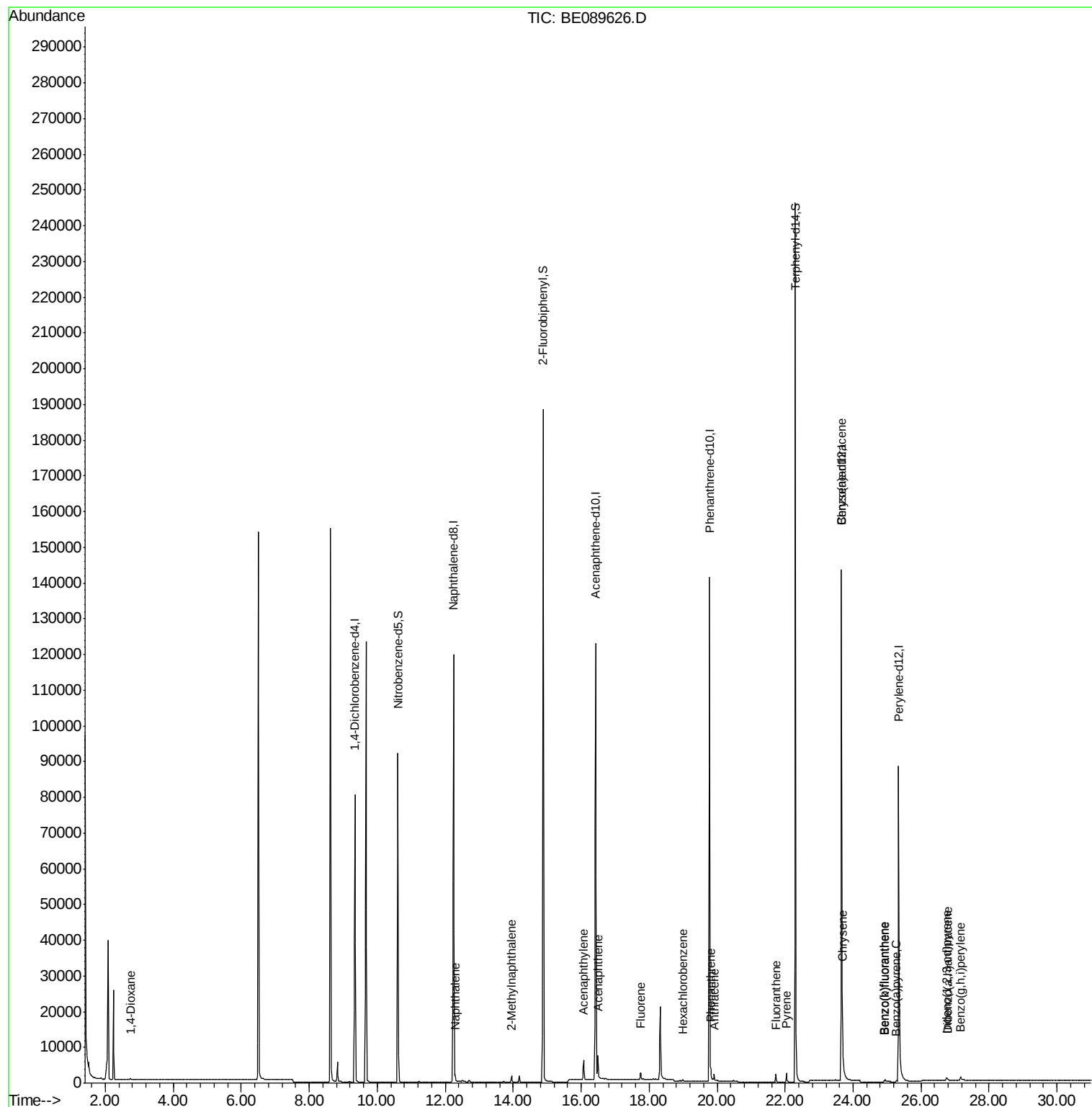
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
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QLast Update : Wed Feb 18 13:01:39 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BE089626.D

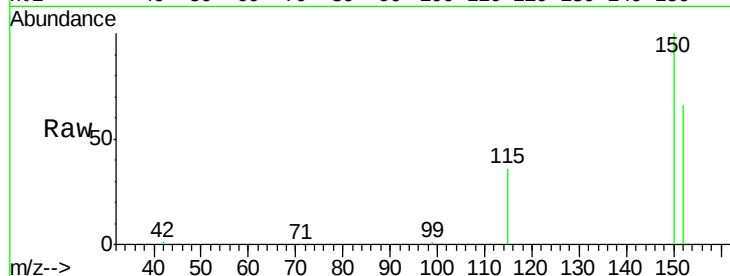
Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampled :

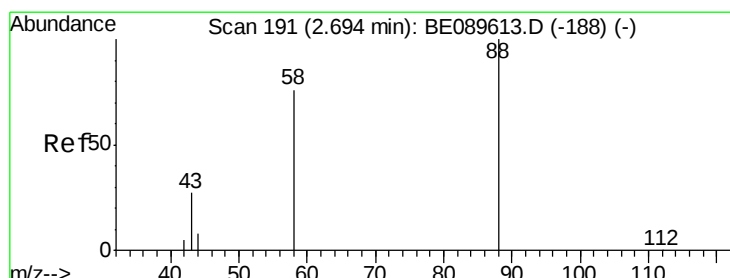
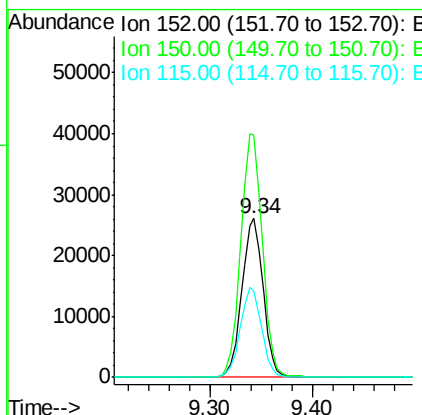
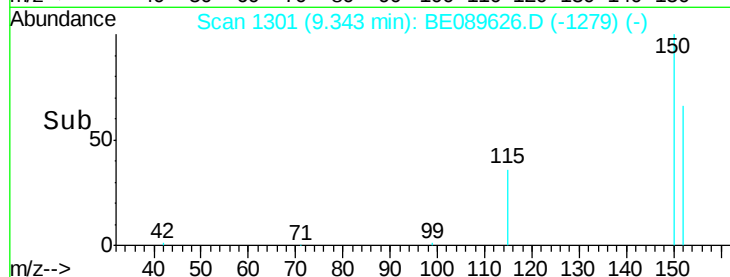
MDL-06-W



Tgt Ion:	152	Resp:	37157
Ion Ratio	Lower	Upper	
152	100		
150	152.3	122.4	183.6
115	54.2	44.2	66.2

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#2

1,4-Dioxane

Concen: 0.07 ng

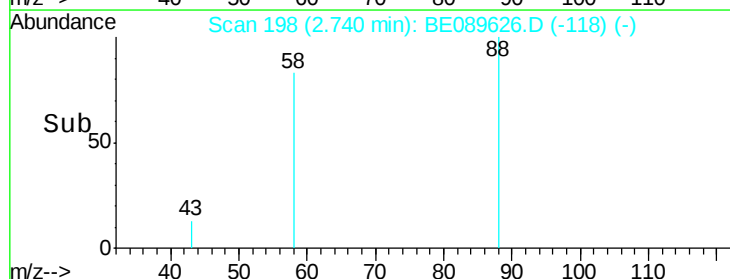
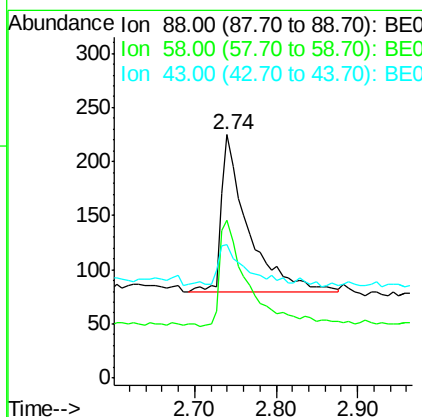
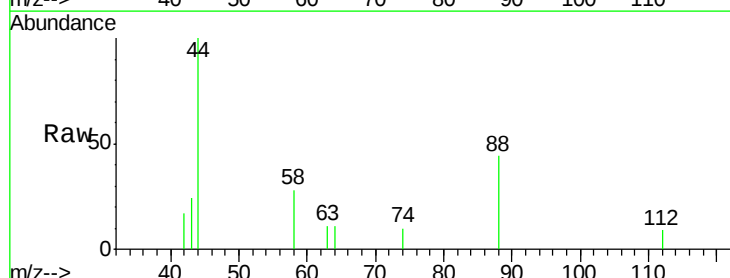
RT: 2.74 min Scan# 198

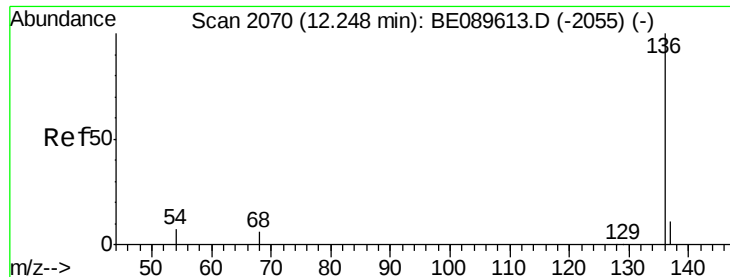
Delta R.T. 0.05 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Tgt Ion:	88	Resp:	326
Ion Ratio	Lower	Upper	
88	100		
58	74.8	54.6	81.8
43	0.0	20.6	30.8#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

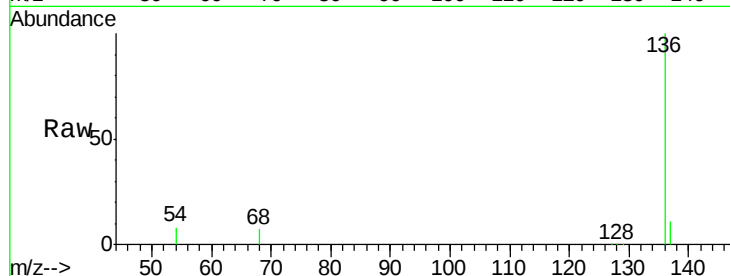
ClientSampleId :

MDL-06-W

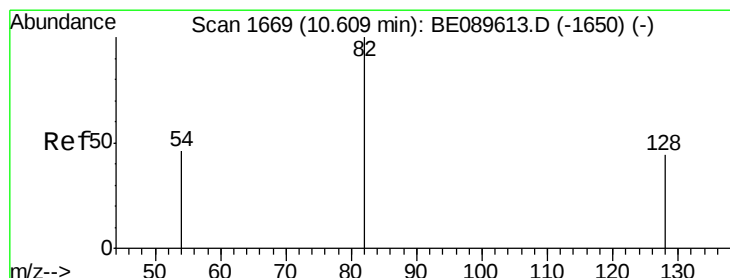
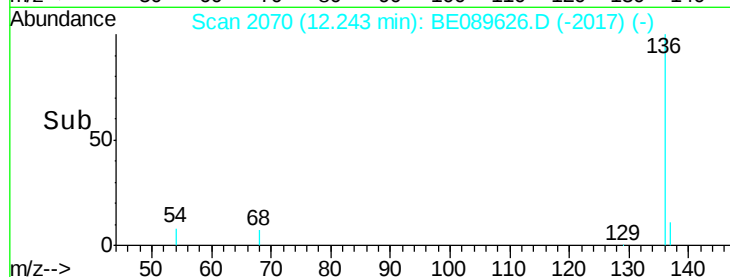
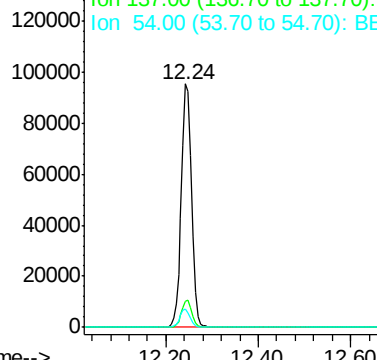
Tgt Ion:	136	Resp:	147268
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.7	5.3	7.9

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#5

Nitrobenzene-d5

Concen: 10.31 ng

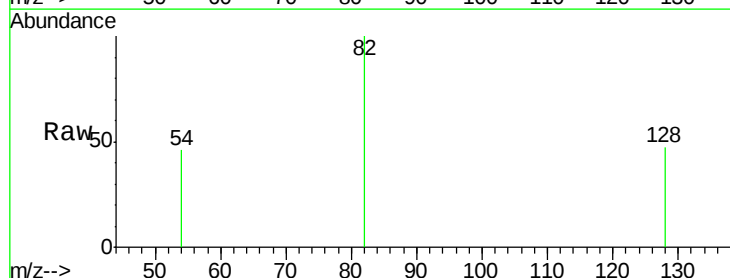
RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

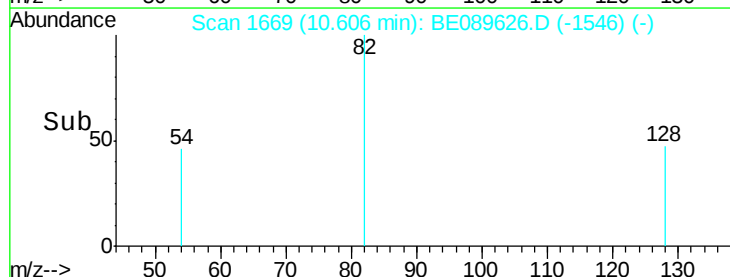
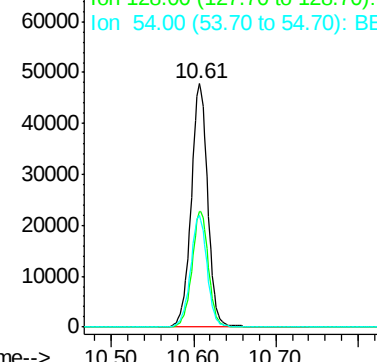
Lab File: BE089626.D

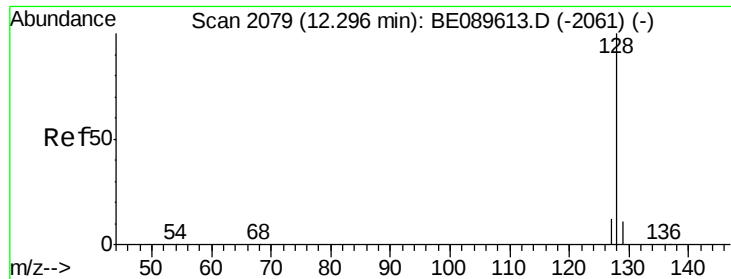
Acq: 18 Feb 2015 20:12

Tgt Ion:	82	Resp:	65970
Ion Ratio	Lower	Upper	
82	100		
128	47.3	35.5	53.3
54	45.7	37.5	56.3



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#6

Naphthalene

Concen: 0.08 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

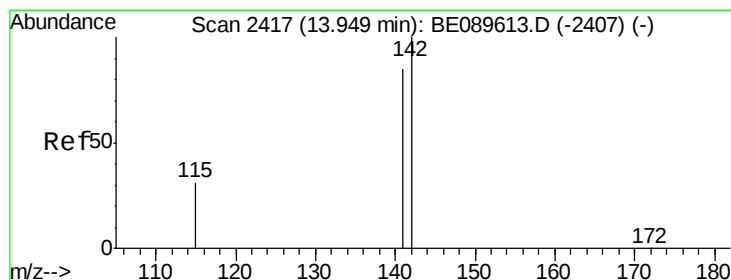
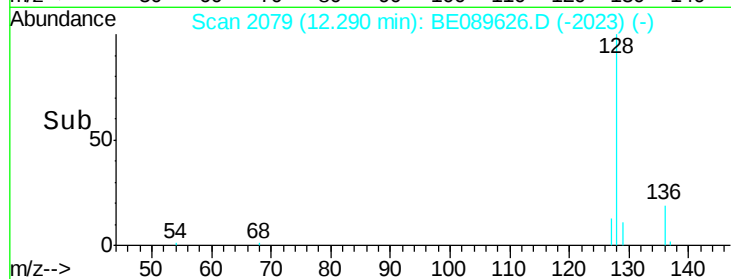
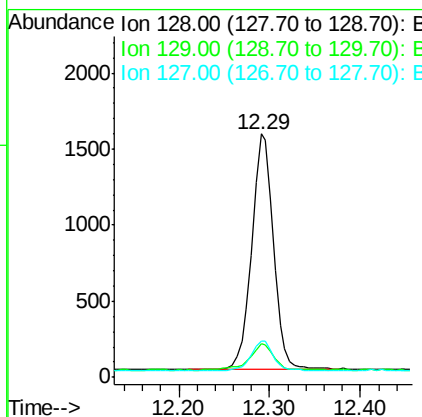
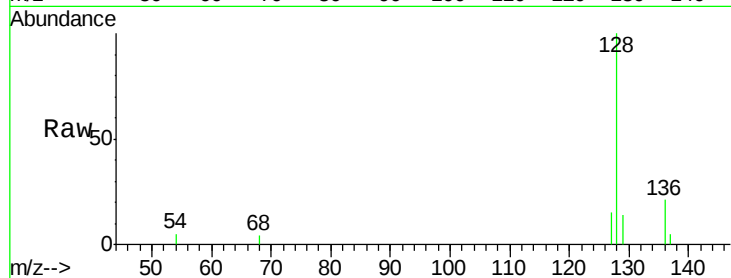
ClientSampleId :

MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	2586		
129	13.7	8.9	13.3#	
127	15.1	9.8	14.8#	

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#7

2-Methylnaphthalene

Concen: 0.07 ng

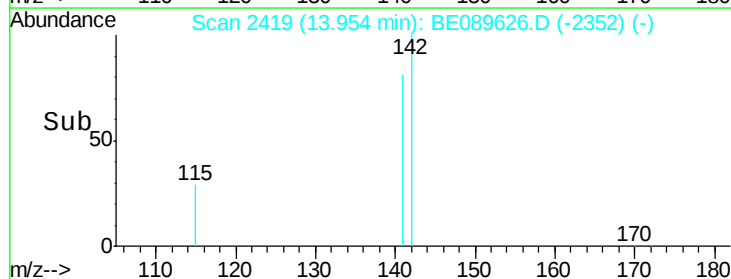
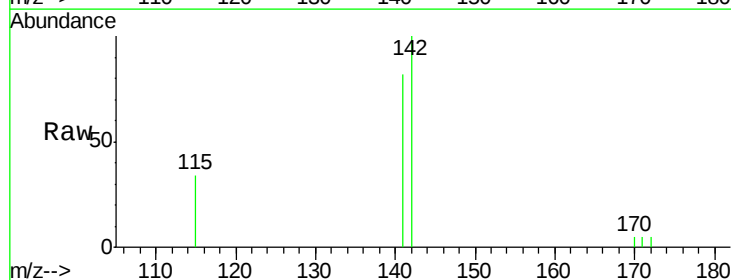
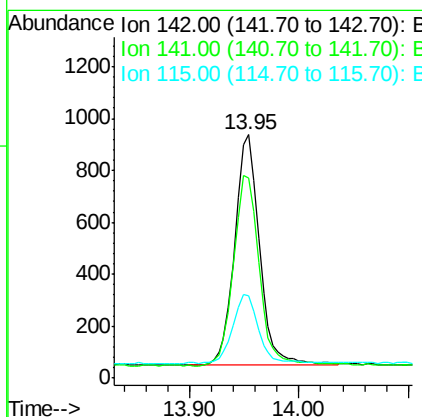
RT: 13.95 min Scan# 2419

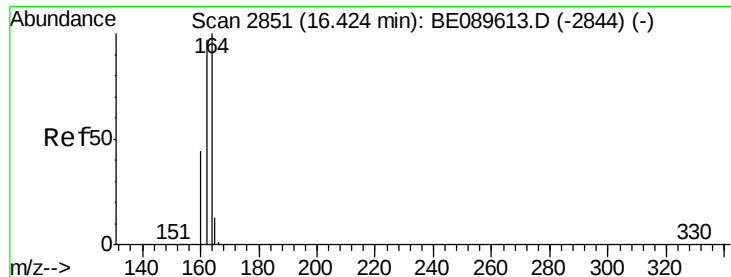
Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1406		
141	82.2	68.3	102.5	
115	33.6	25.1	37.7	





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089626.D

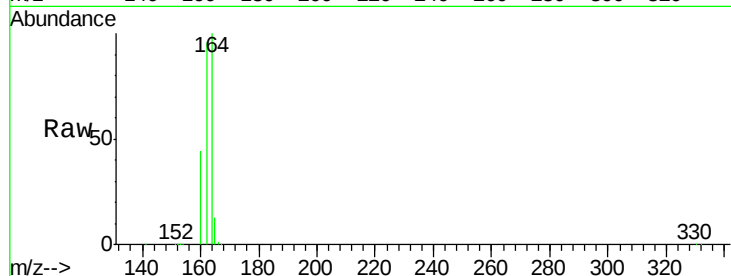
Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

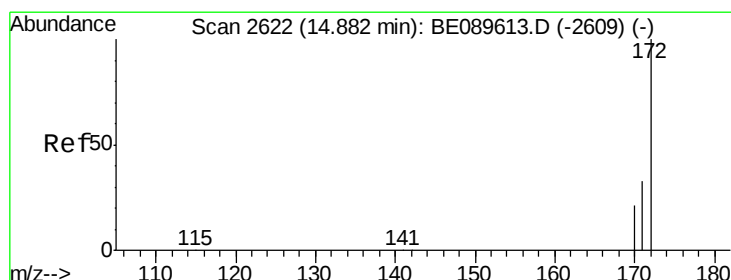
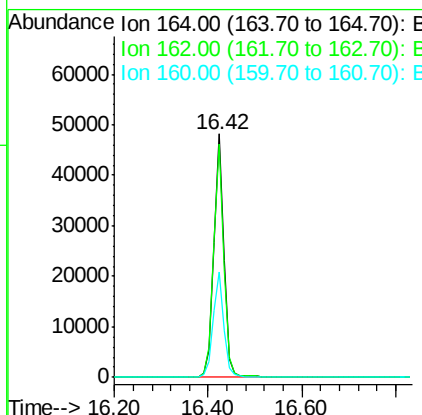
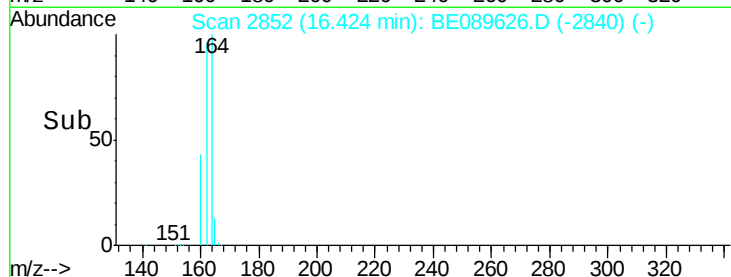
MDL-06-W



Tgt Ion:	164	Resp:	72762
Ion Ratio	Lower	Upper	
164	100		
162	96.0	77.5	116.3
160	43.5	35.5	53.3

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#9

2-Fluorobiphenyl

Concen: 9.08 ng

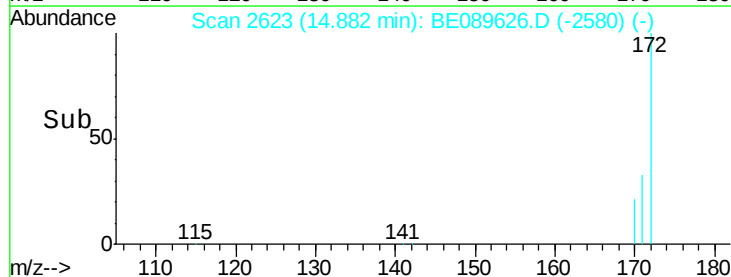
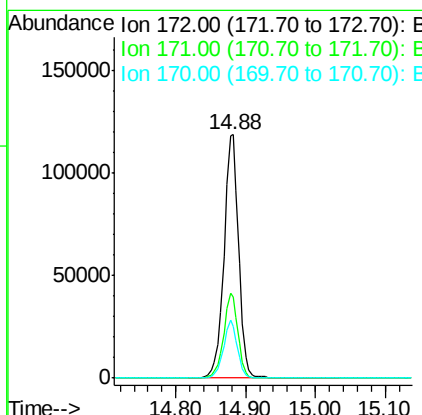
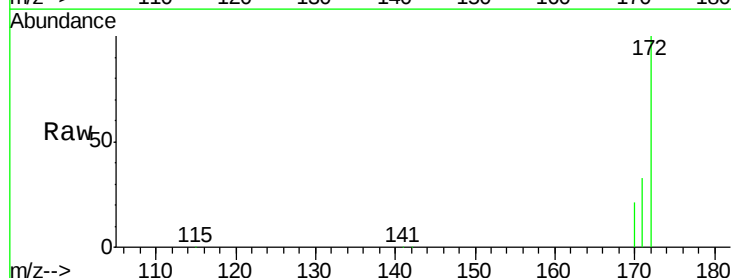
RT: 14.88 min Scan# 2623

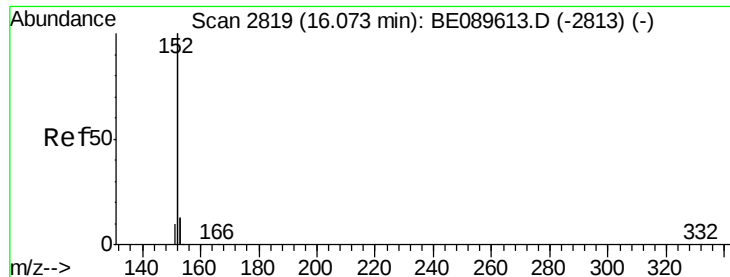
Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Tgt Ion:	172	Resp:	176896
Ion Ratio	Lower	Upper	
172	100		
171	33.3	26.9	40.3
170	21.3	17.4	26.0





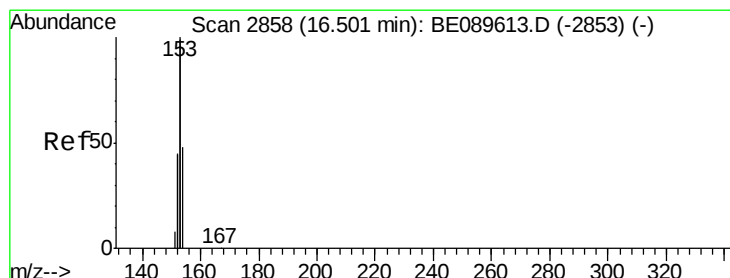
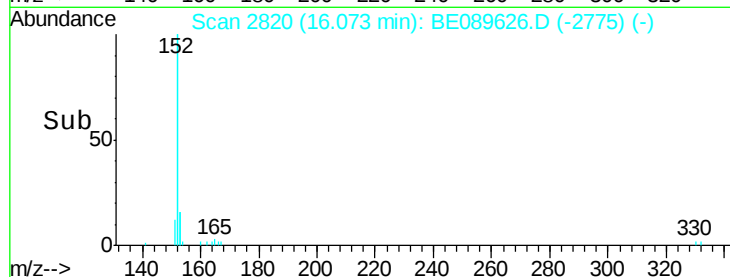
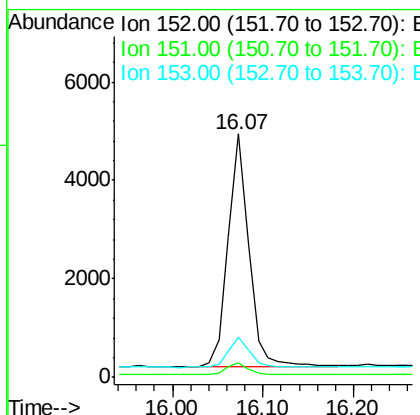
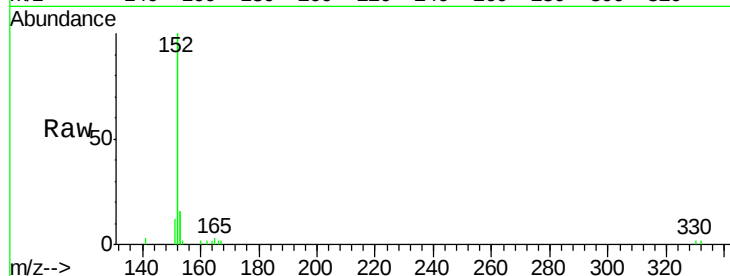
#10
Acenaphthylene
Concen: 0.06 ng
RT: 16.07 min Scan# 2820
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.5	15.7

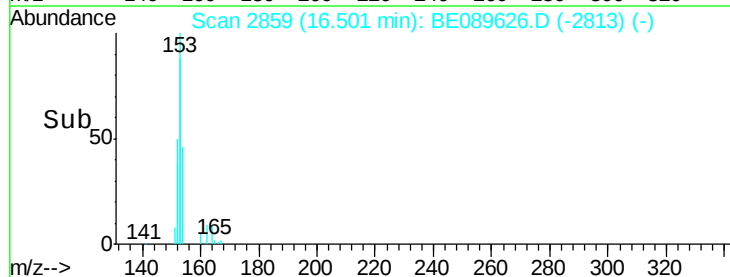
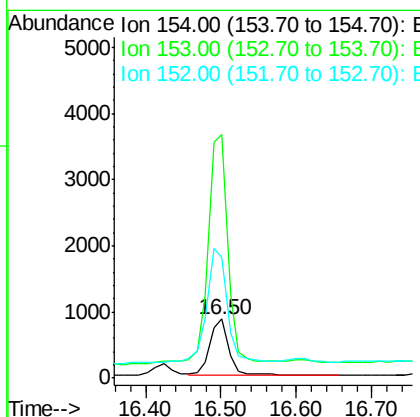
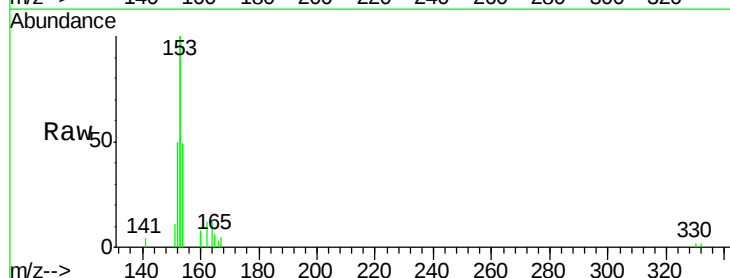
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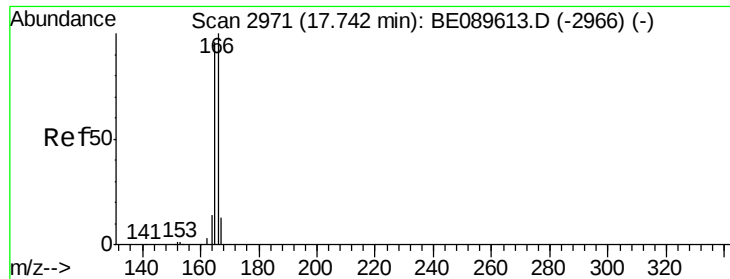
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#11
Acenaphthene
Concen: 0.08 ng
RT: 16.50 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

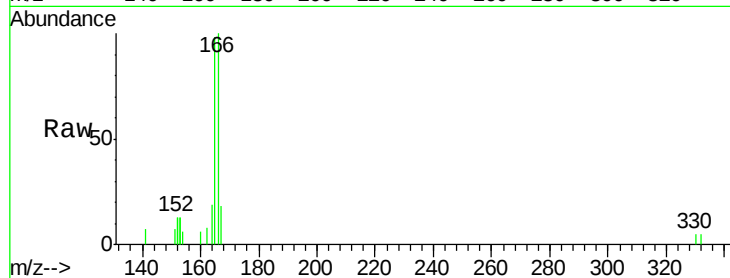
Tgt Ion	Ratio	Lower	Upper
154	100		
153	456.1	348.9	523.3
152	237.4	166.6	249.8





#12
Fluorene
 Concen: 0.07 ng
 RT: 17.74 min Scan# 2972
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

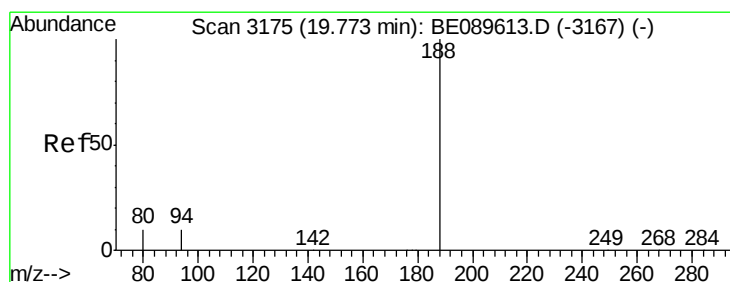
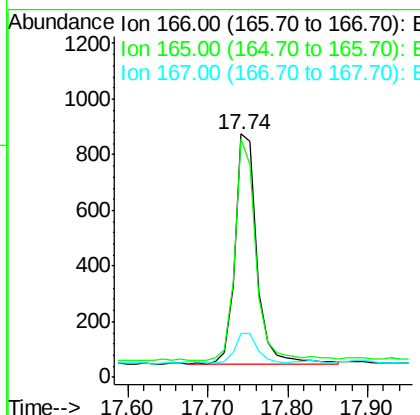
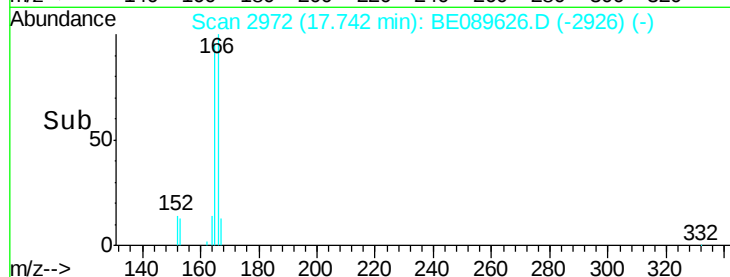
Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W



Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.6	74.7	112.1
167	13.4	10.5	15.7

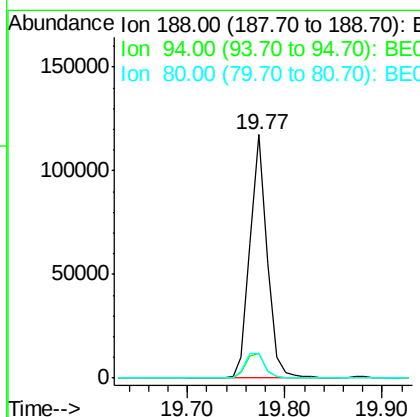
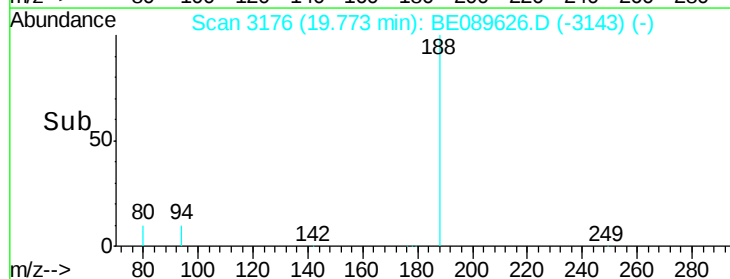
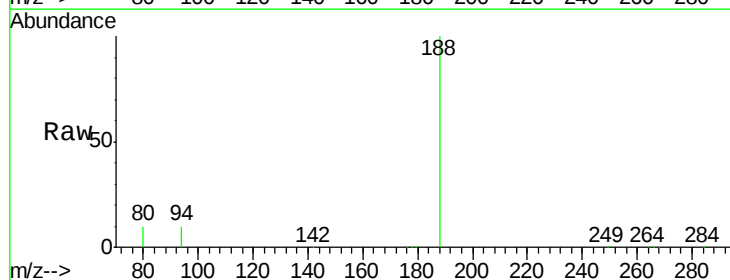
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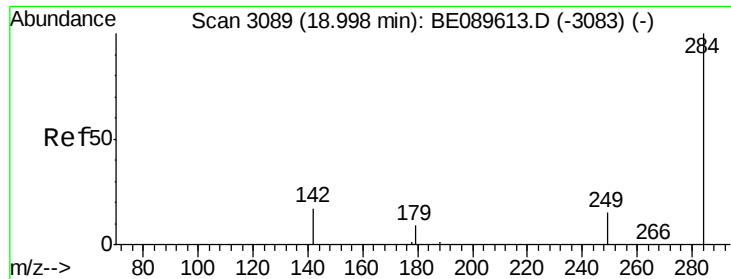
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#13
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.77 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.4
80	9.9	8.1	12.1





#14

Hexachlorobenzene

Concen: 0.08 ng

RT: 19.00 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

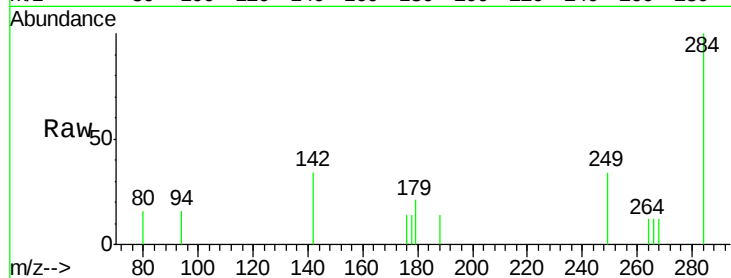
ClientSampleId :

MDL-06-W

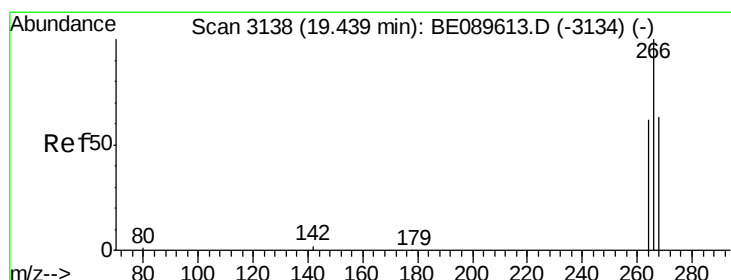
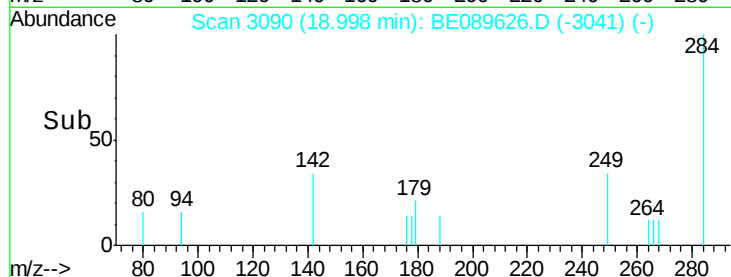
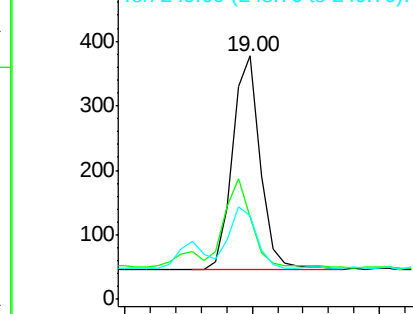
Tgt Ion:	284	Resp:	501
Ion Ratio	Lower	Upper	
284	100		
142	48.9	32.3	48.5#
249	27.5	22.3	33.5

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#15

Pentachlorophenol

Concen: Below Cal

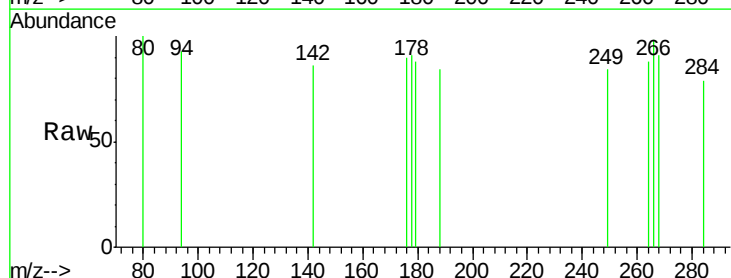
RT: 19.44 min Scan# 3139

Delta R.T. 0.00 min

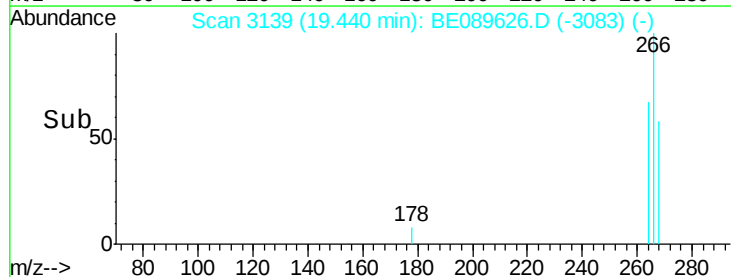
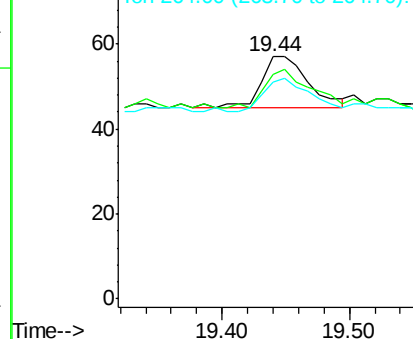
Lab File: BE089626.D

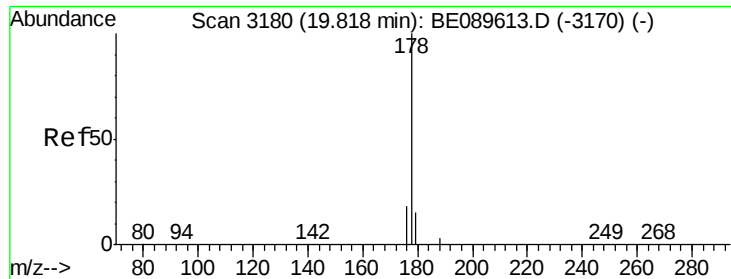
Acq: 18 Feb 2015 20:12

Tgt Ion:	266	Resp:	31
Ion Ratio	Lower	Upper	
266	100		
268	93.0	52.6	79.0#
264	89.5	51.8	77.8#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





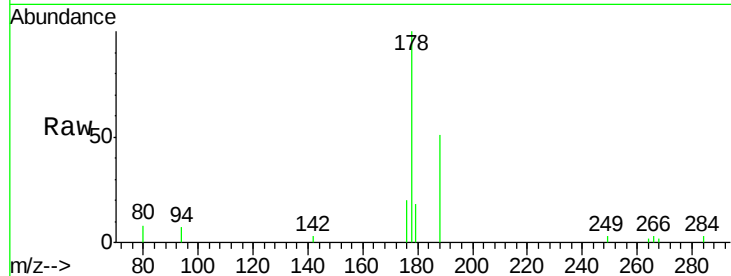
#16
Phenanthrene
Concen: 0.08 ng
RT: 19.82 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	14.7	12.3	18.5

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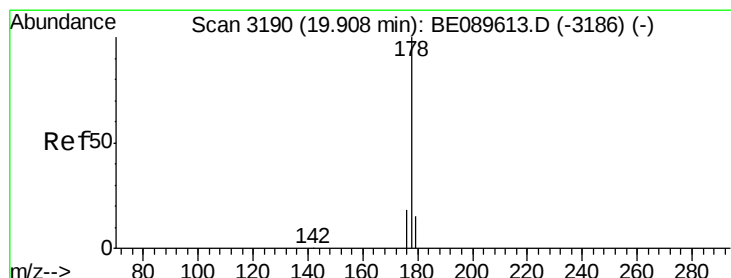
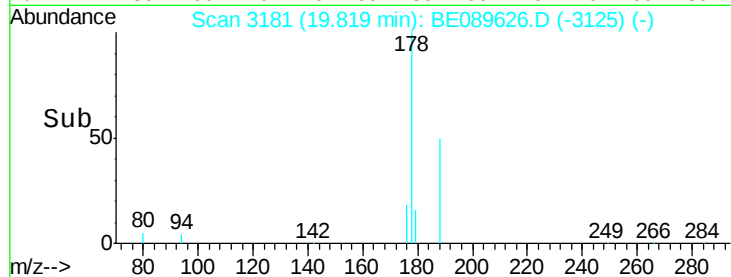
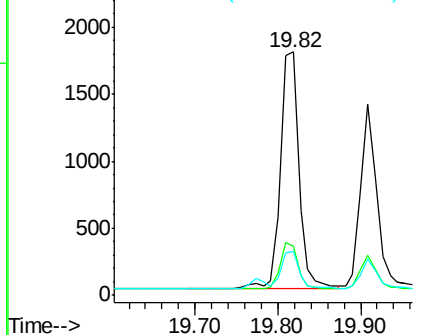


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17
Anthracene
Concen: 0.06 ng
RT: 19.91 min Scan# 3191
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

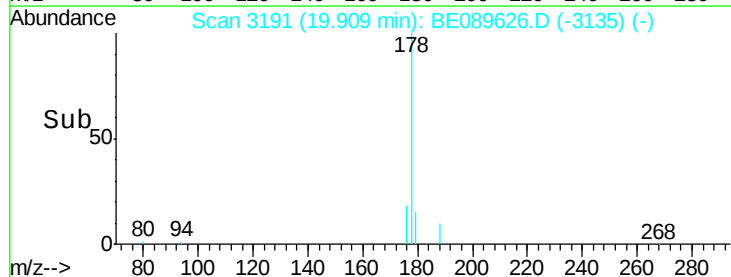
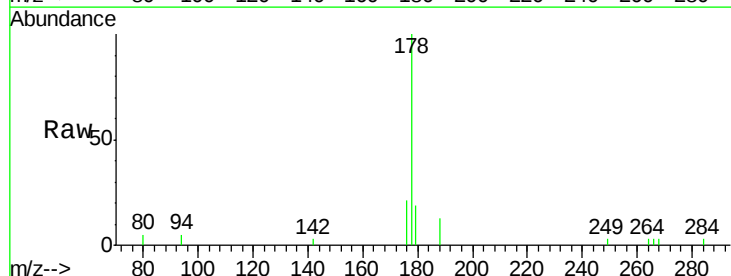
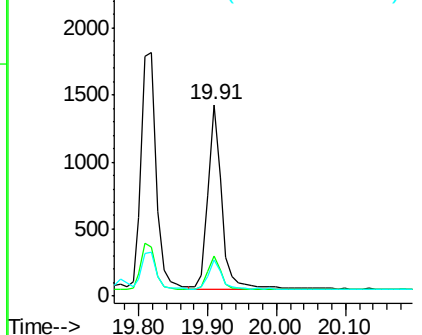
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	14.5	12.3	18.5

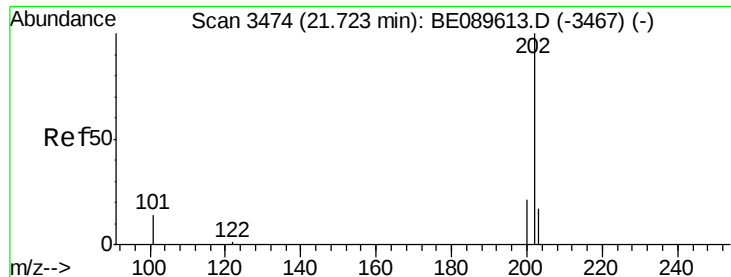
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





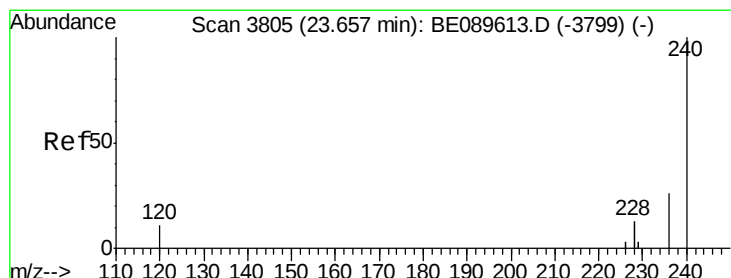
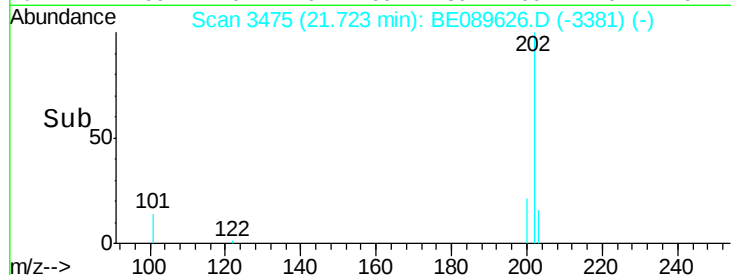
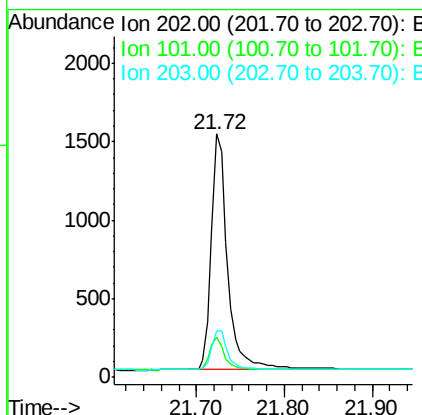
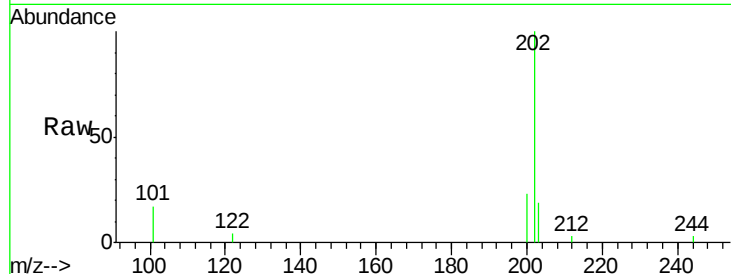
#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.72 min Scan# 3475
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1967		
101	13.0		10.4	15.6
203	16.5		13.9	20.9

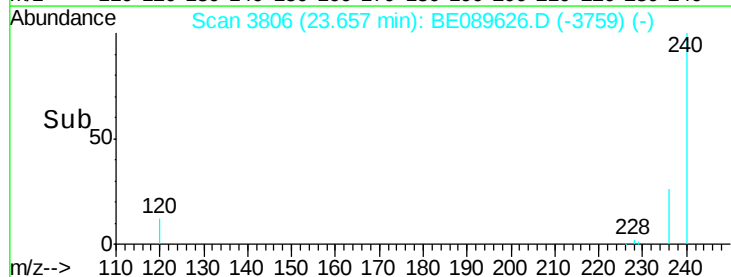
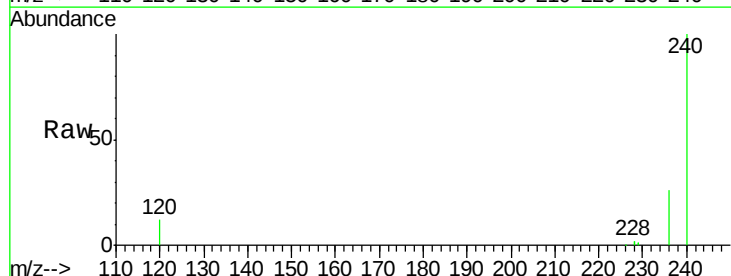
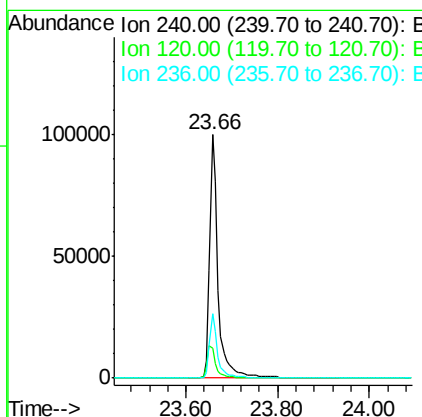
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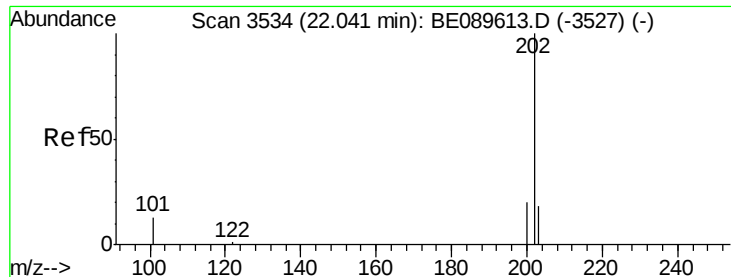
apatel
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3806
 Delta R.T. -0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	127774		
120	12.1		9.0	13.4
236	26.3		21.0	31.6





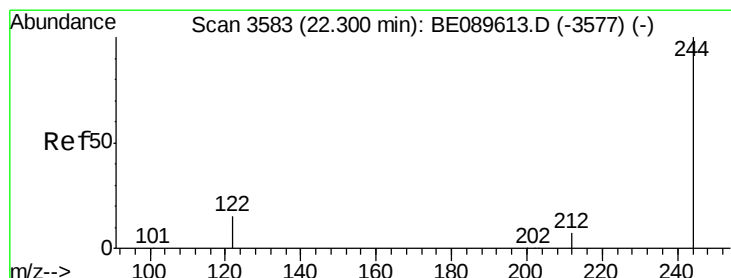
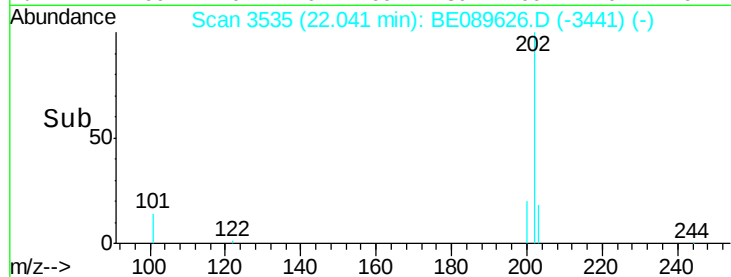
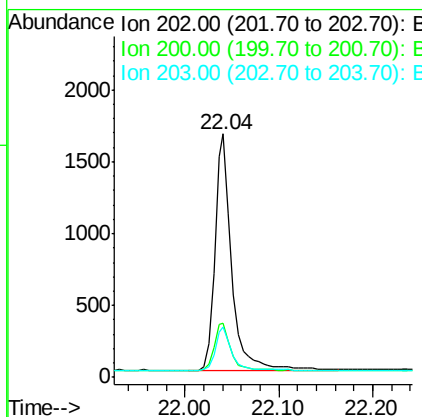
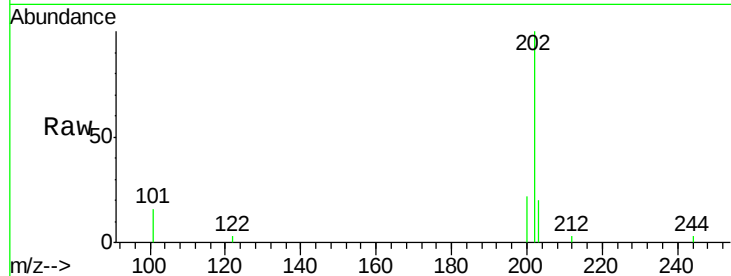
#20
Pyrene
Concen: 0.07 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	18.4	13.8	20.8

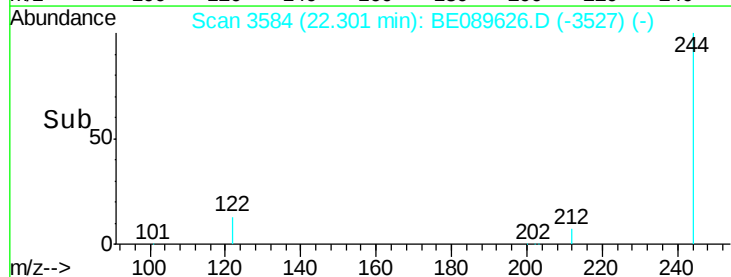
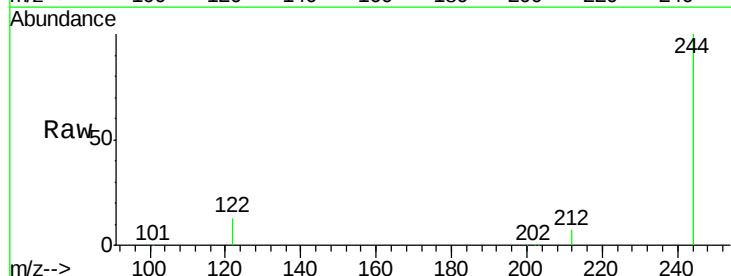
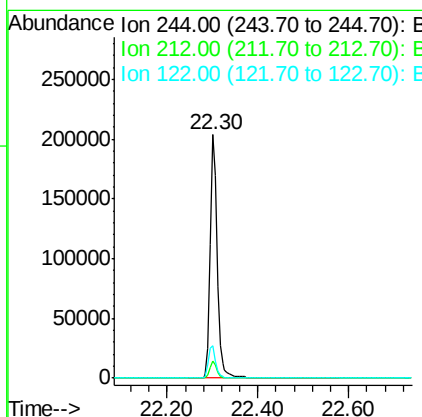
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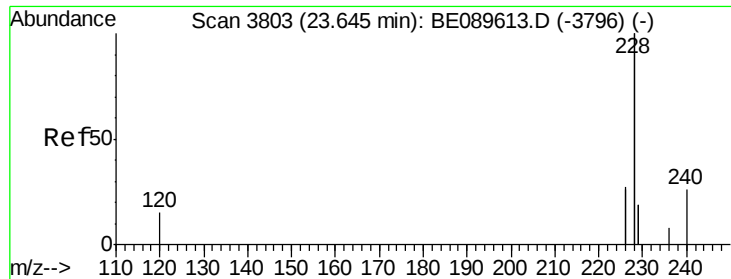
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#21
Terphenyl-d14
Concen: 11.42 ng
RT: 22.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	13.3	11.8	17.8





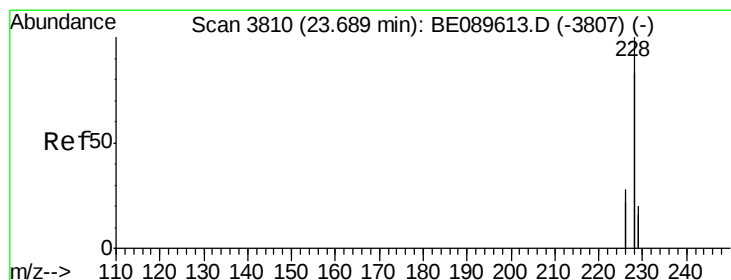
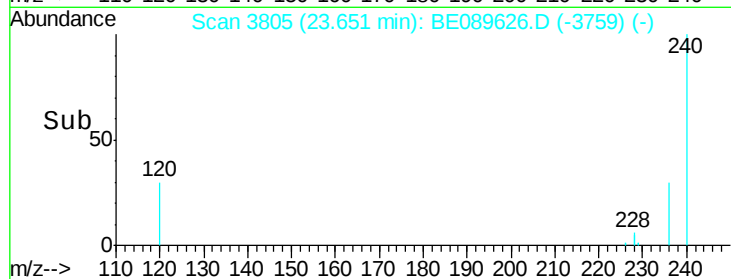
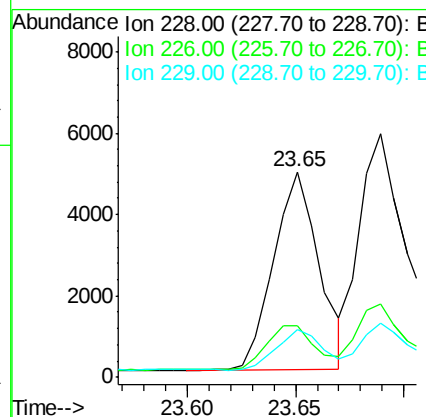
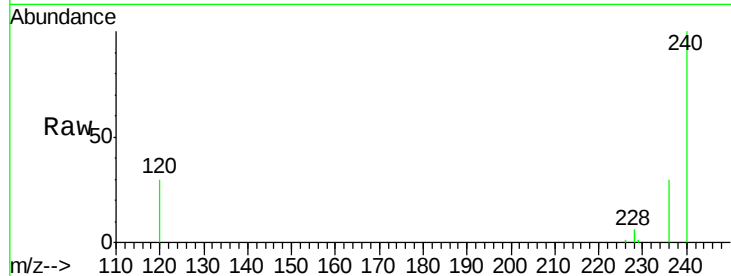
#22
Benzo(a)anthracene
Concen: 0.06 ng m
RT: 23.65 min Scan# 3805
Delta R.T. 0.01 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.2	31.8
229	23.1	15.2	22.8

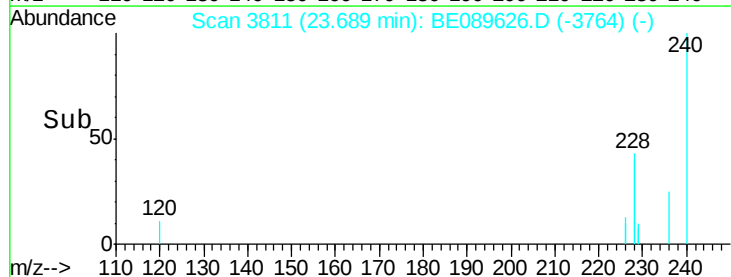
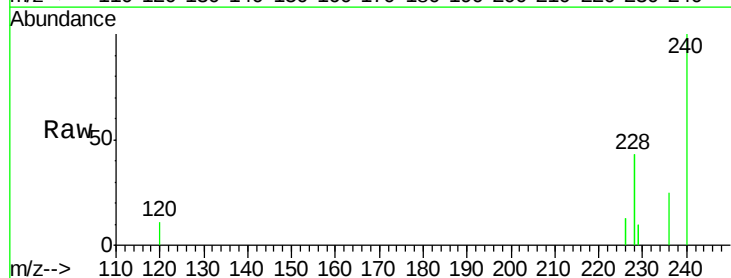
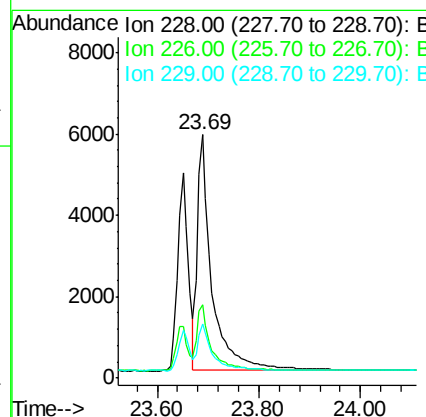
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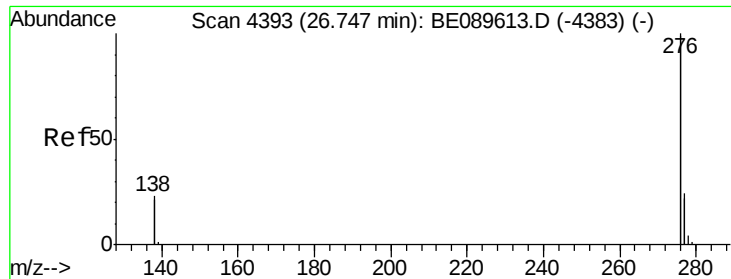
apatel
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#23
Chrysene
Concen: 0.09 ng
RT: 23.69 min Scan# 3811
Delta R.T. -0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.2	33.4
229	22.4	16.0	24.0





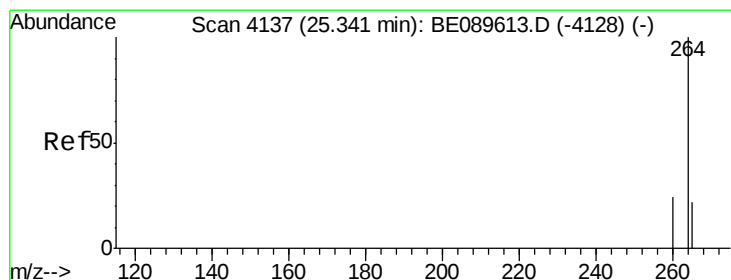
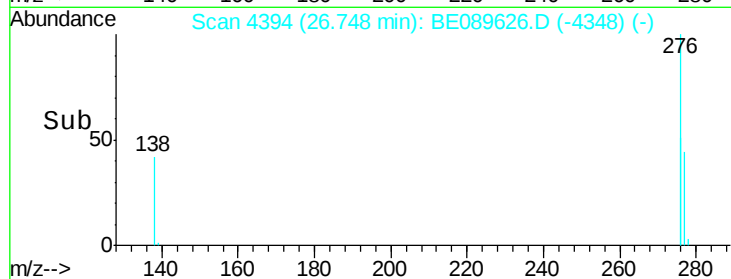
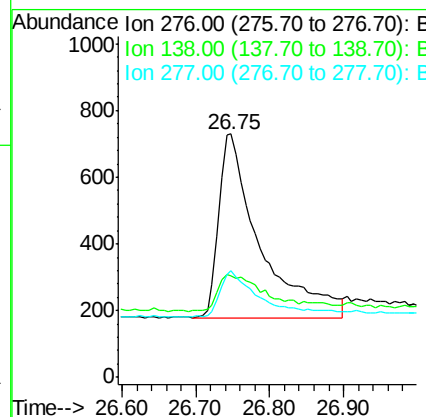
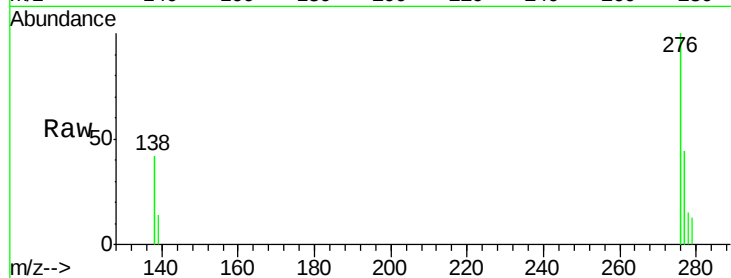
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.19 ng
 RT: 26.75 min Scan# 4394
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Instrument :
 BNA_E
 ClientSampleID :
 MDL-06-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.4	32.2
277	23.0	19.9	29.9

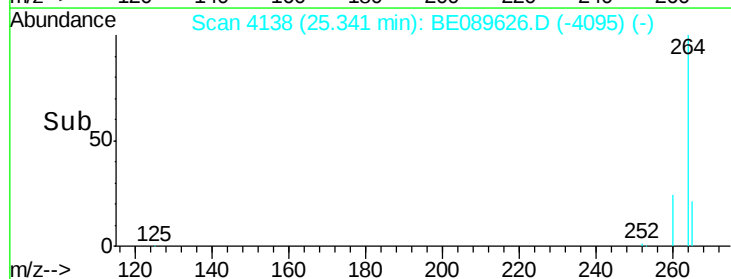
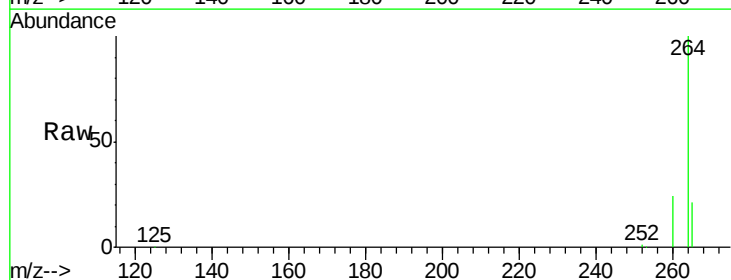
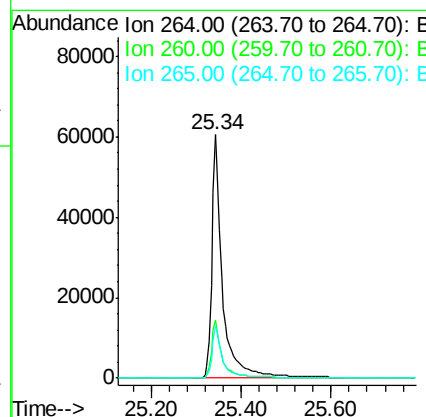
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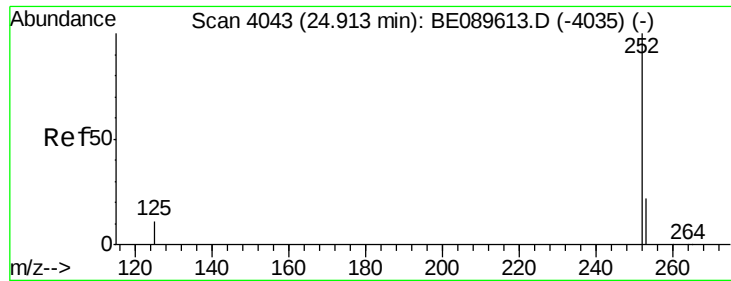
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#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.3	17.4	26.0





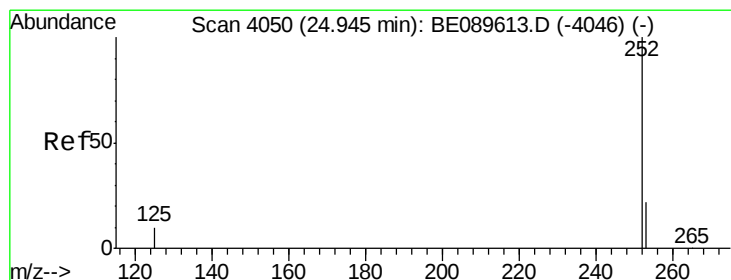
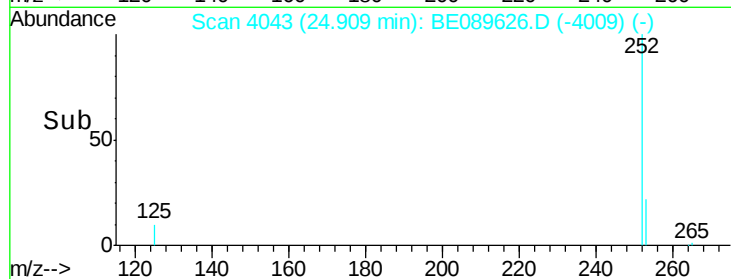
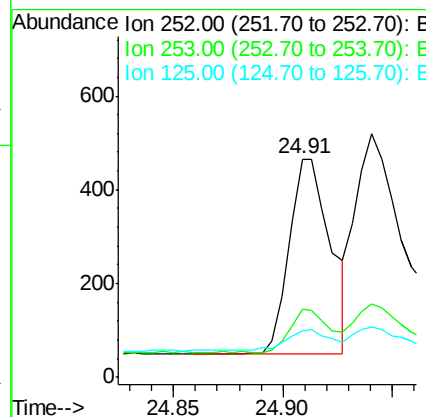
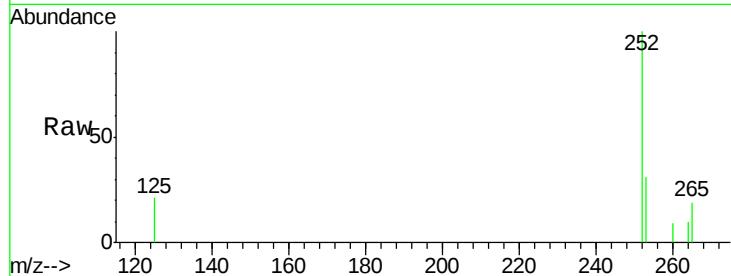
#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.6	26.4#
125	21.0	8.8	13.2#

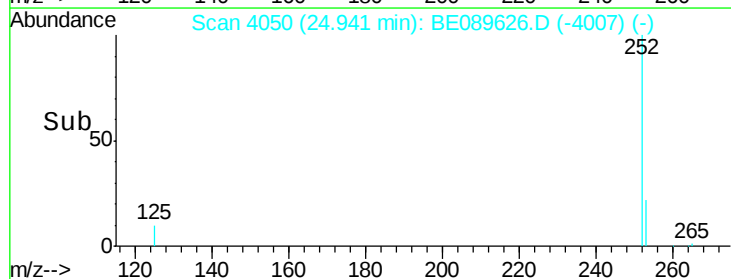
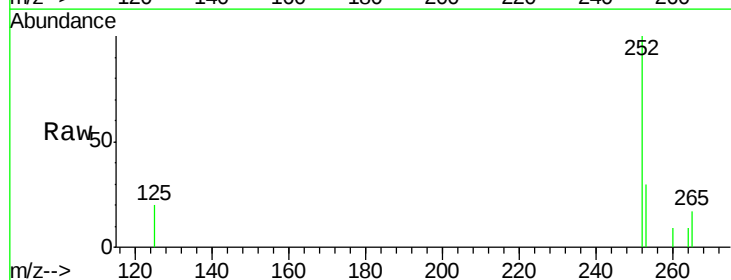
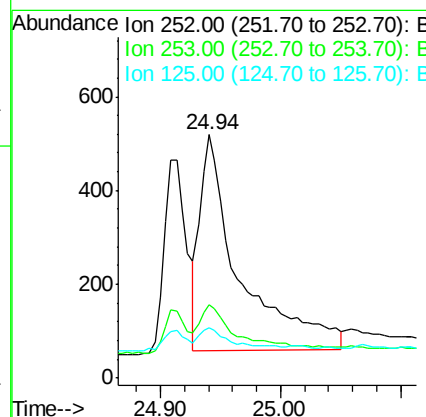
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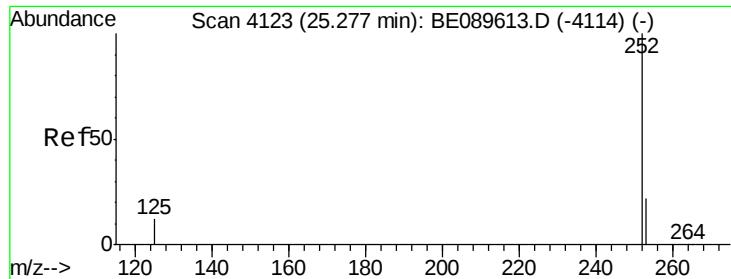
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#27
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 24.94 min Scan# 4050
Delta R.T. -0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.7	26.5#
125	20.4	8.8	13.2#





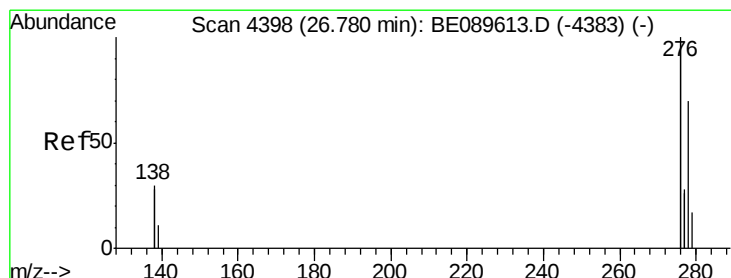
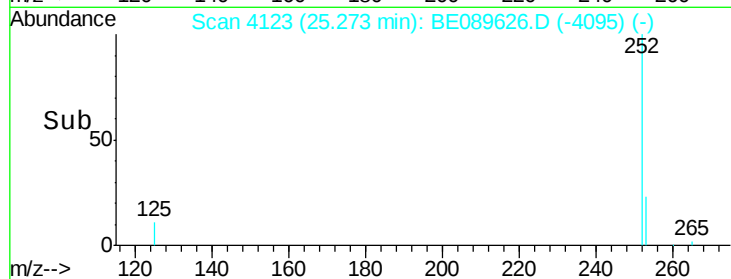
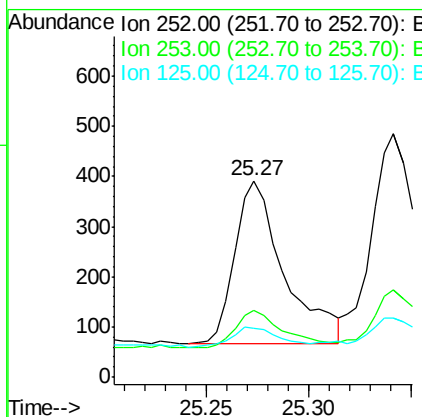
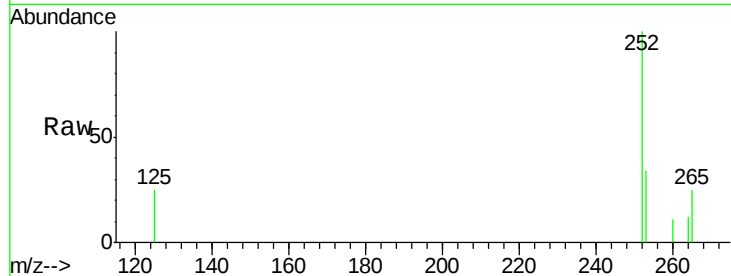
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.2	18.1	27.1#
125	25.0	9.6	14.4#

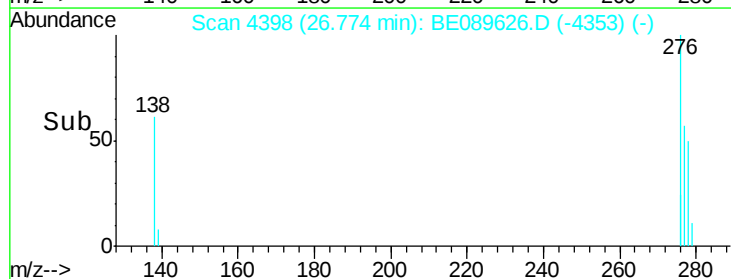
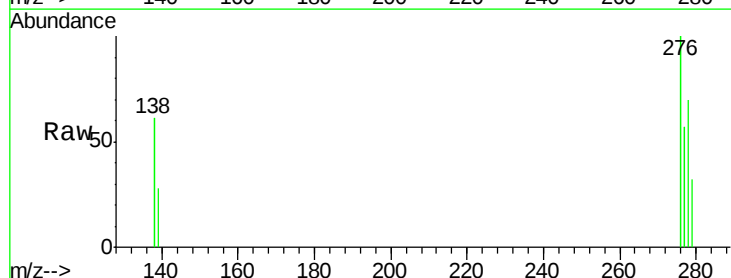
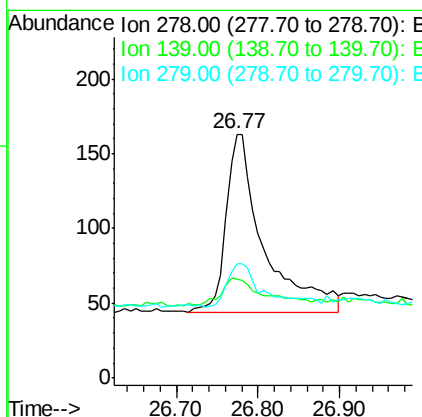
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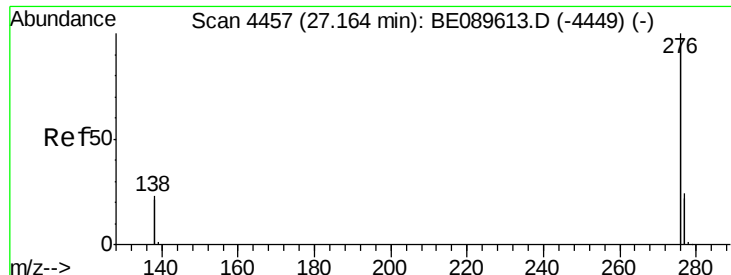
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#29
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.01 min
Lab File: BE089626.D
Acq: 18 Feb 2015 20:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.5	13.7	20.5#
279	46.6	19.7	29.5#





#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.16 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089626.D

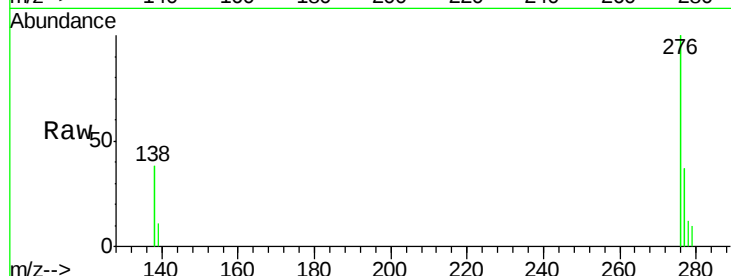
Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W



Tgt Ion: 276 Resp: 2440

Ion Ratio Lower Upper

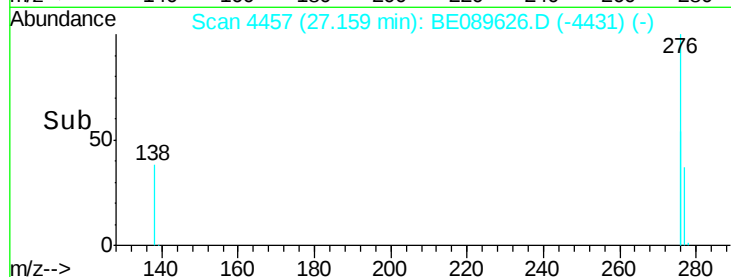
276 100

277 36.9 19.1 28.7#

138 38.4 18.7 28.1#

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

