

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089627.D
 Acq On : 18 Feb 2015 20:51
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

Manual Integrations
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Quant Time: Feb 19 05:05:09 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	38561	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	152449	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	74334	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	145050	5.00	ng	0.00
19) Chrysene-d12	23.66	240	130871	5.00	ng	0.00
25) Perylene-d12	25.34	264	104292	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	69017	10.41	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	178607	8.97	ng	0.00
21) Terphenyl-d14	22.30	244	211784	11.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.75	88	285	0.06	ng	# 85
6) Naphthalene	12.30	128	2324	0.07	ng	# 94
7) 2-Methylnaphthalene	13.95	142	1265	0.06	ng	97
10) Acenaphthylene	16.07	152	6806	0.06	ng	99
11) Acenaphthene	16.50	154	1305	0.07	ng	93
12) Fluorene	17.74	166	1448	0.06	ng	96
14) Hexachlorobenzene	19.00	284	454	0.07	ng	97
15) Pentachlorophenol	19.44	266	27	Below Cal	#	63
16) Phenanthrene	19.82	178	2415	0.07	ng	98
17) Anthracene	19.91	178	1715	0.06	ng	98
18) Fluoranthene	21.72	202	1771	0.05	ng	99
20) Pyrene	22.04	202	1861	0.06	ng	99
22) Benzo(a)anthracene	23.65	228	6561m	0.06	ng	
23) Chrysene	23.69	228	10124	0.08	ng	94
24) Indeno(1,2,3-cd)pyrene	26.74	276	1916	0.19	ng	94
26) Benzo(b)fluoranthene	24.91	252	470	0.29	ng	# 77
27) Benzo(k)fluoranthene	24.94	252	1051m	0.04	ng	
28) Benzo(a)pyrene	25.27	252	493	0.26	ng	# 72
29) Dibenzo(a,h)anthracene	26.78	278	320	0.24	ng	# 50
30) Benzo(g,h,i)perylene	27.16	276	2803	0.16	ng	# 66

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

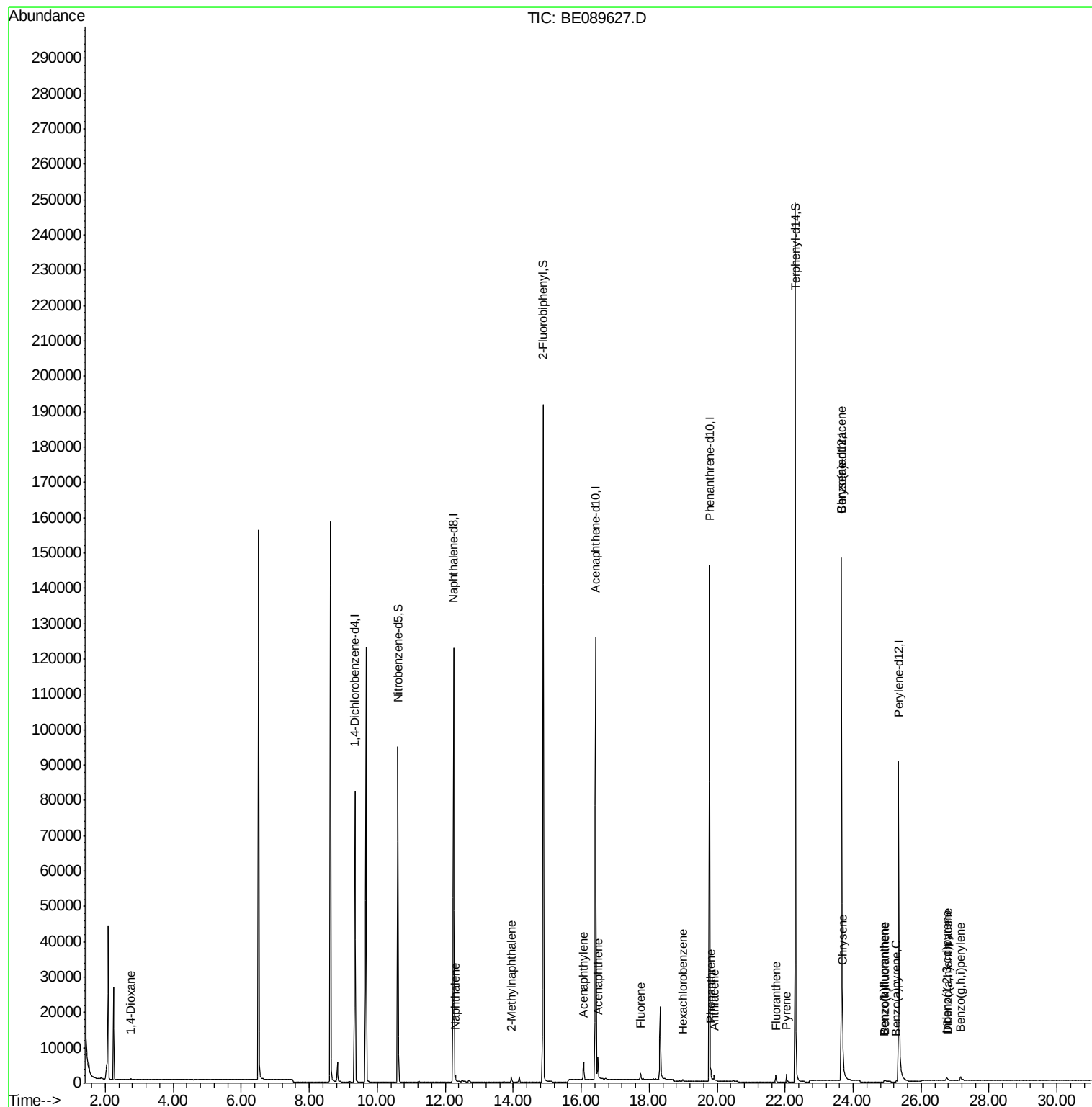
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089627.D
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ALS Vial : 14 Sample Multiplier: 1

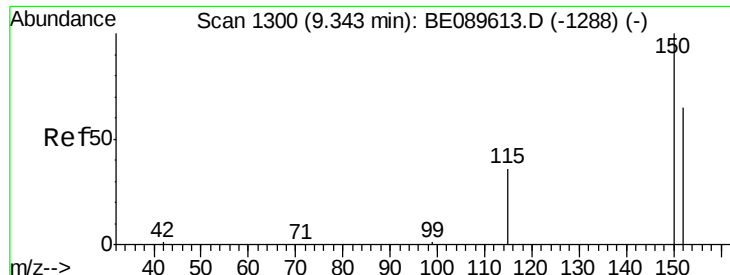
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BE089627.D

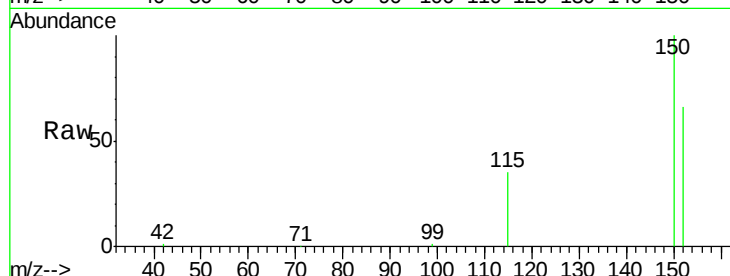
Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampled :

MDL-07-W



Tgt Ion:152 Resp: 38561

Ion Ratio Lower Upper

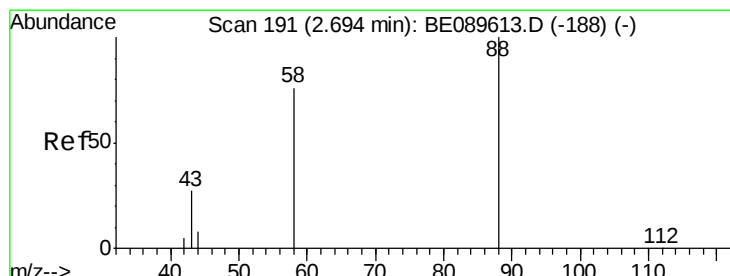
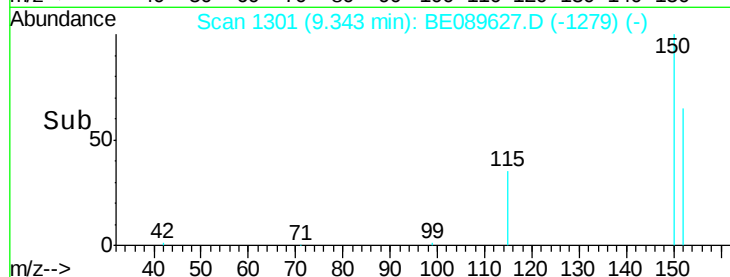
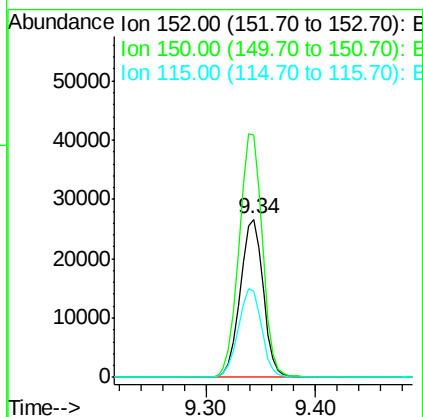
152 100

150 152.6 122.4 183.6

115 54.2 44.2 66.2

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#2

1,4-Dioxane

Concen: 0.06 ng

RT: 2.75 min Scan# 199

Delta R.T. 0.05 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

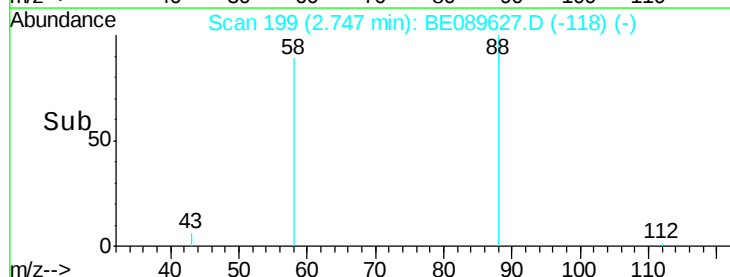
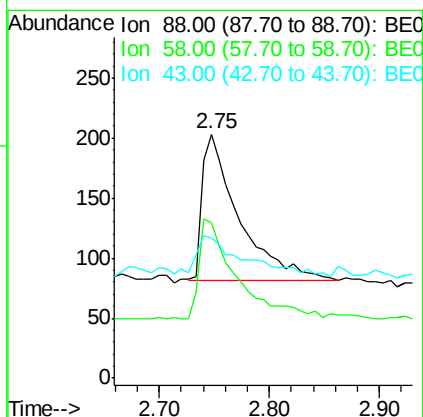
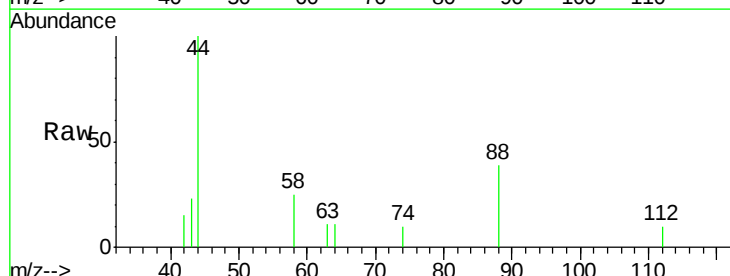
Tgt Ion: 88 Resp: 285

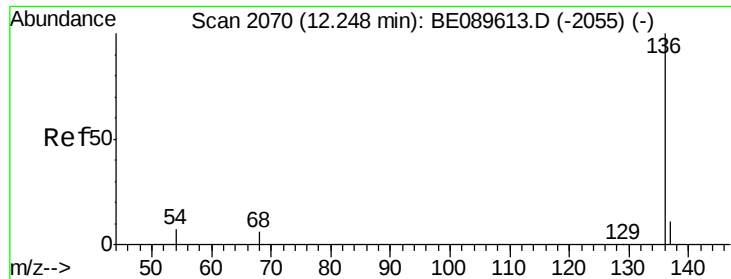
Ion Ratio Lower Upper

88 100

58 69.5 54.6 81.8

43 0.0 20.6 30.8#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 2071

Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

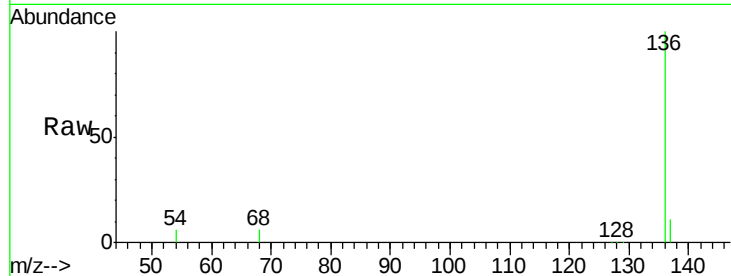
ClientSampleId :

MDL-07-W

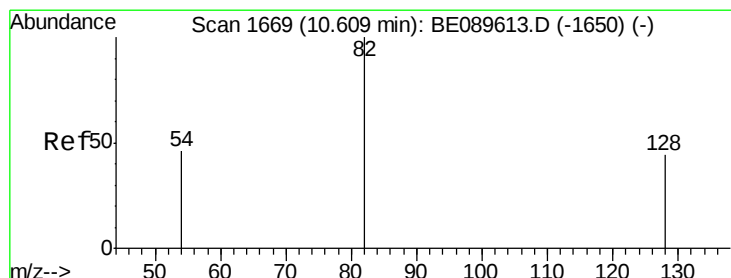
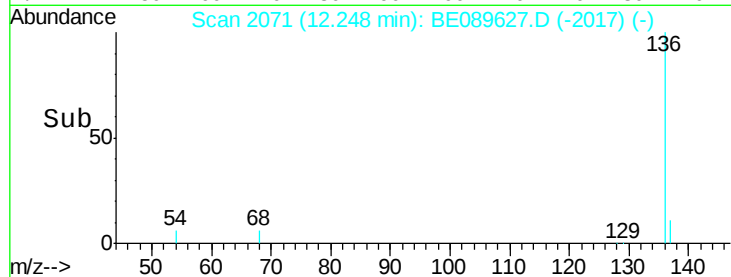
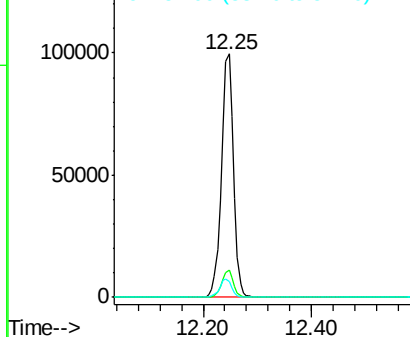
Tgt Ion:	136	Resp:	152449
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	6.4	5.3	7.9

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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: 10.41 ng

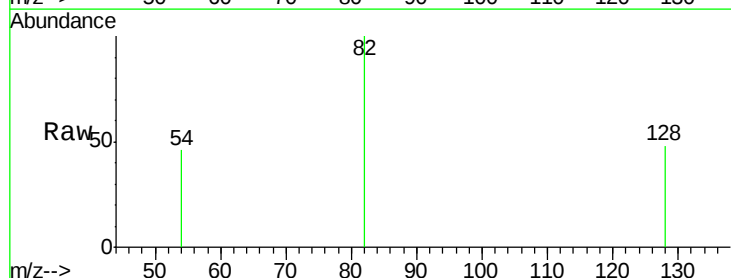
RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

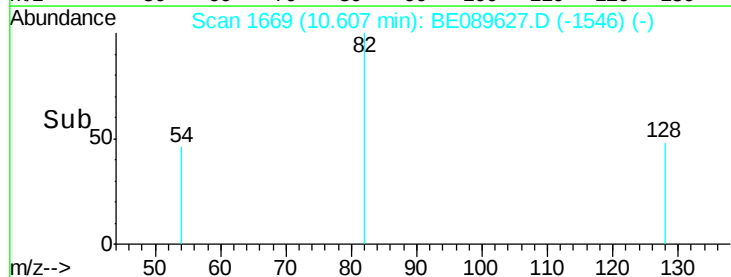
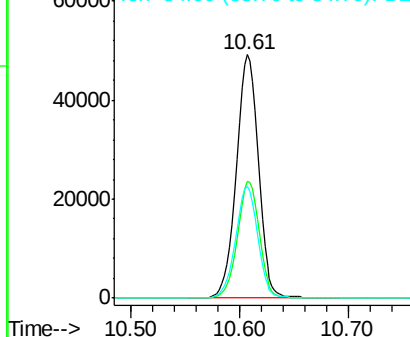
Lab File: BE089627.D

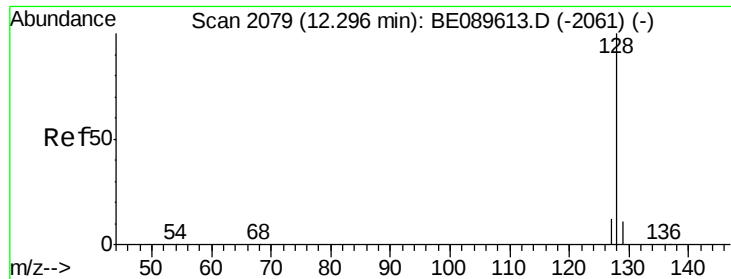
Acq: 18 Feb 2015 20:51

Tgt Ion:	82	Resp:	69017
Ion Ratio	Lower	Upper	
82	100		
128	48.0	35.5	53.3
54	45.8	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: 0.07 ng

RT: 12.30 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

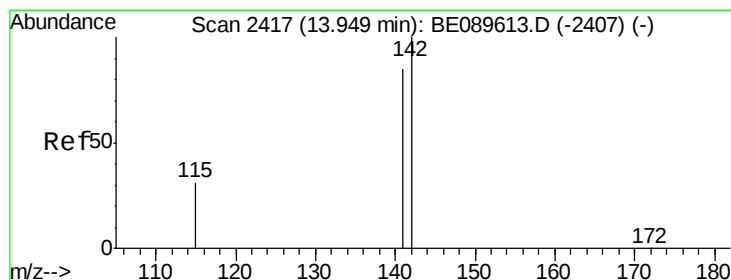
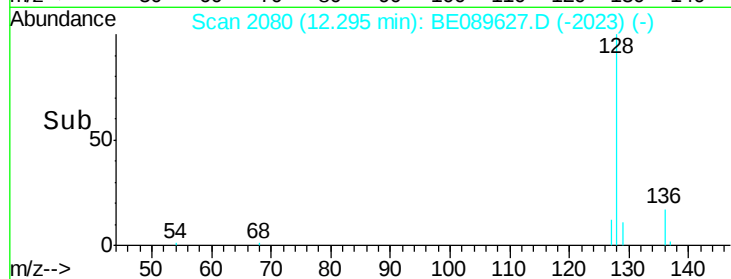
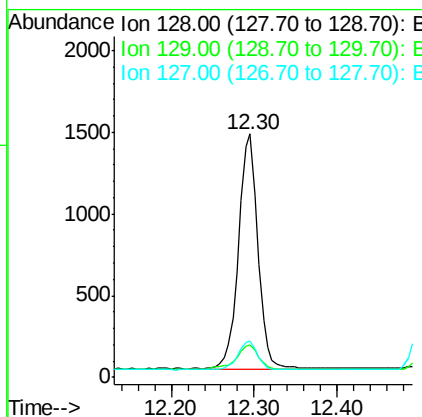
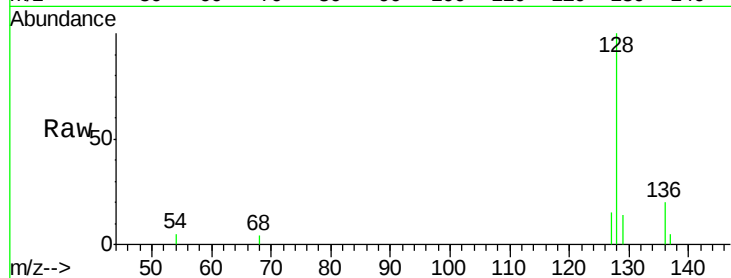
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.5	8.9	13.3#
127	14.8	9.8	14.8

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#7

2-Methylnaphthalene

Concen: 0.06 ng

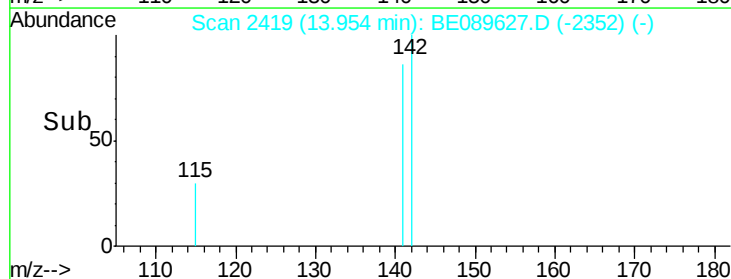
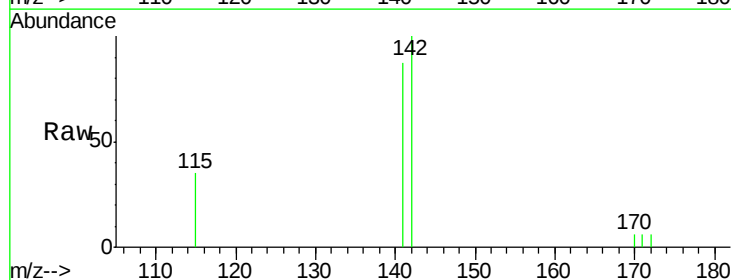
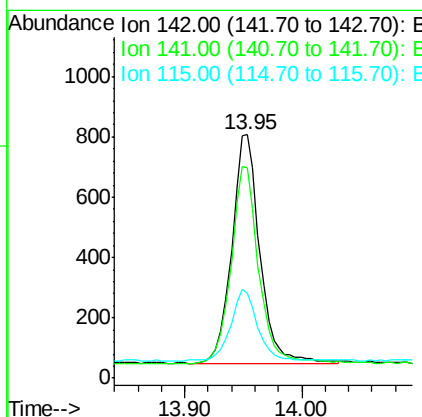
RT: 13.95 min Scan# 2419

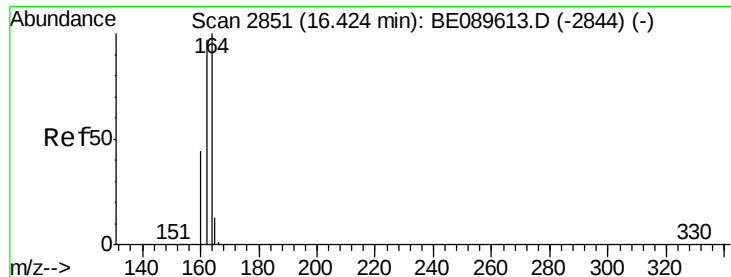
Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	68.3	102.5
115	35.1	25.1	37.7





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE089627.D

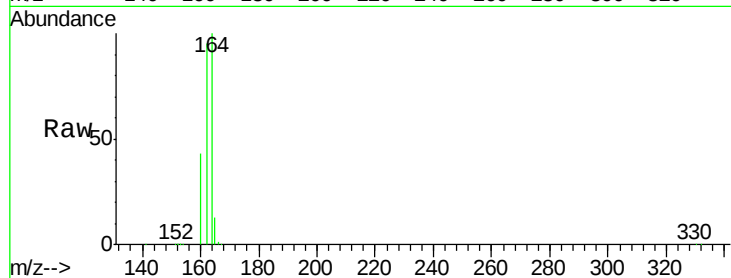
Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

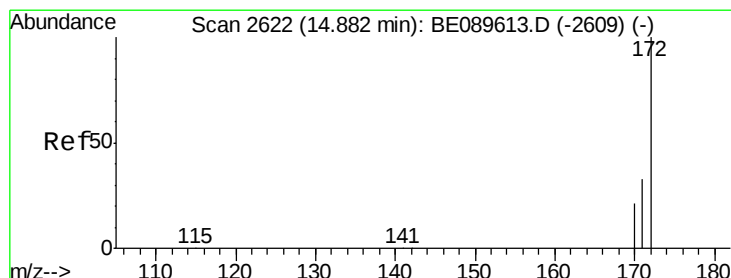
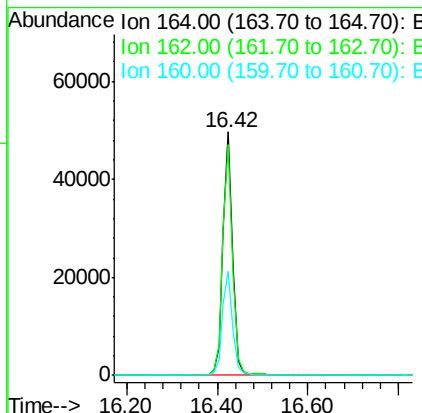
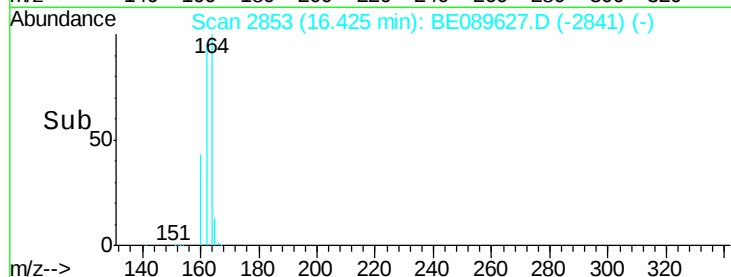
MDL-07-W



Tgt Ion:	164	Resp:	74334
Ion Ratio	Lower	Upper	
164	100		
162	95.0	77.5	116.3
160	42.9	35.5	53.3

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#9

2-Fluorobiphenyl

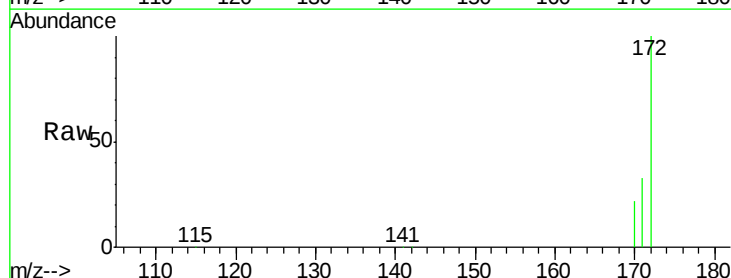
Concen: 8.97 ng

RT: 14.88 min Scan# 2623

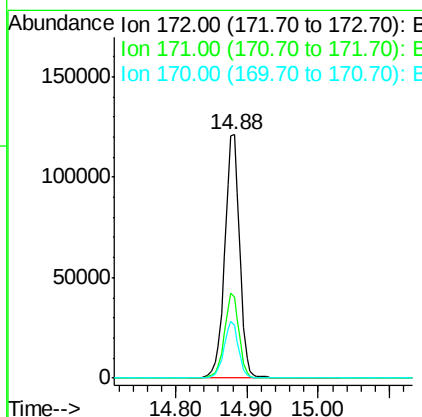
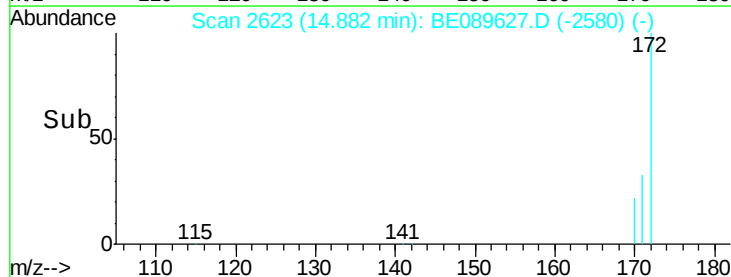
Delta R.T. -0.00 min

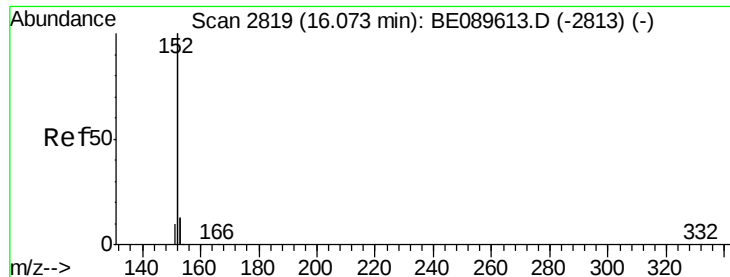
Lab File: BE089627.D

Acq: 18 Feb 2015 20:51



Tgt Ion:	172	Resp:	178607
Ion Ratio	Lower	Upper	
172	100		
171	33.2	26.9	40.3
170	21.6	17.4	26.0





#10

Acenaphthylene

Concen: 0.06 ng

RT: 16.07 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

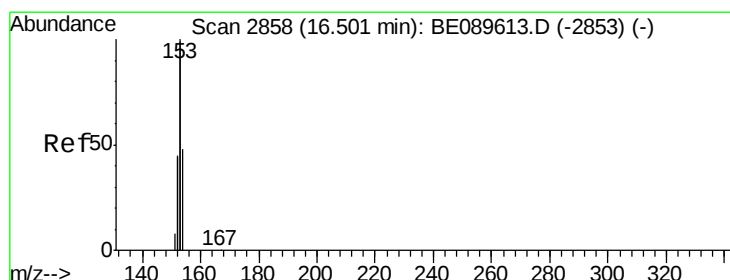
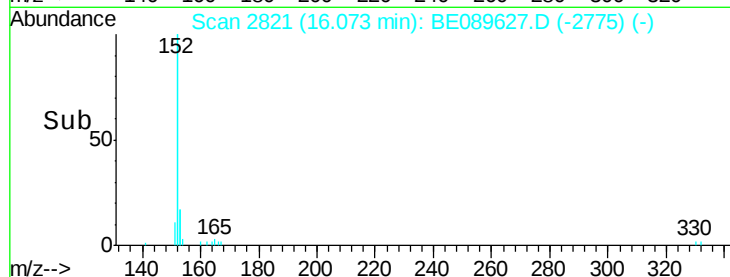
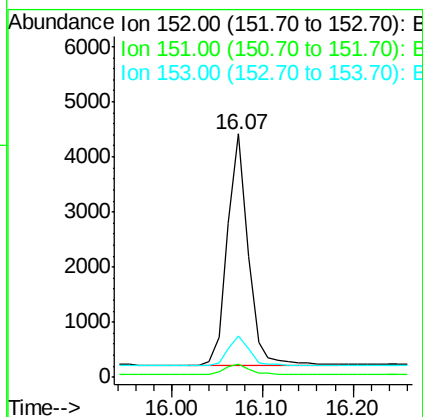
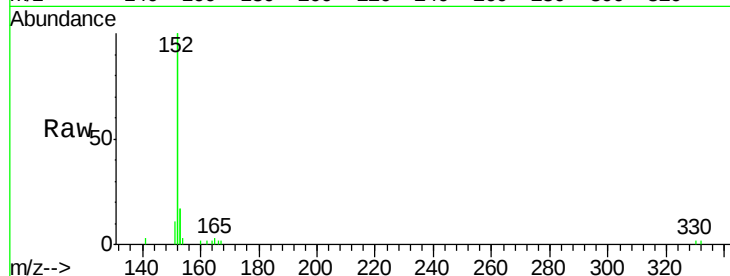
ClientSampleId :

MDL-07-W

Tgt Ion:	152	Resp:	6806
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	13.5	10.5	15.7

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#11

Acenaphthene

Concen: 0.07 ng

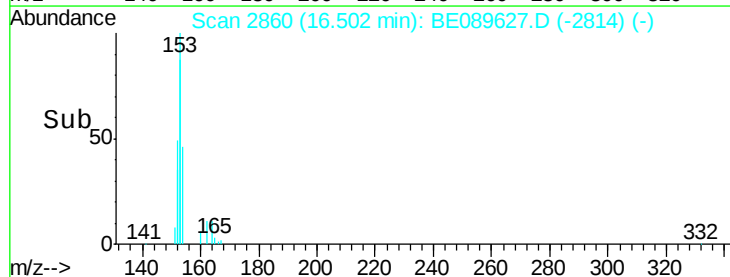
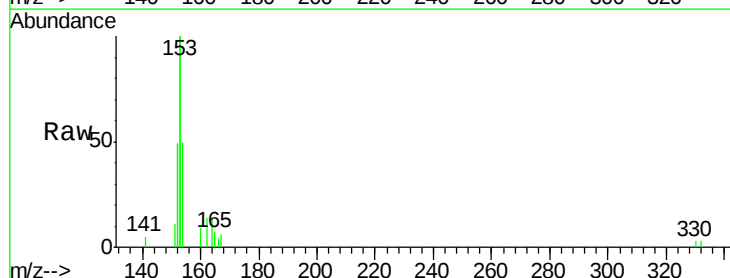
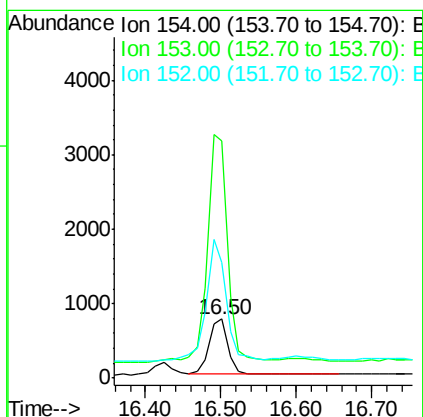
RT: 16.50 min Scan# 2860

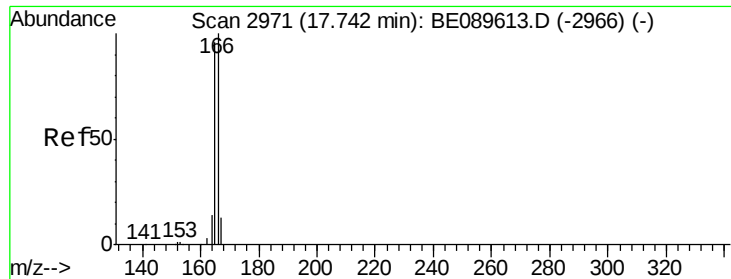
Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Tgt Ion:	154	Resp:	1305
Ion Ratio	Lower	Upper	
154	100		
153	440.5	348.9	523.3
152	234.6	166.6	249.8





#12

Fluorene

Concen: 0.06 ng

RT: 17.74 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BE089627.D

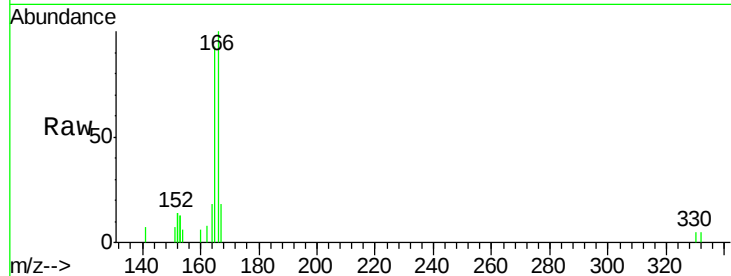
Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

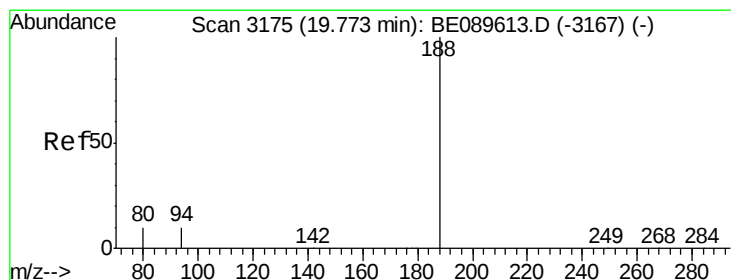
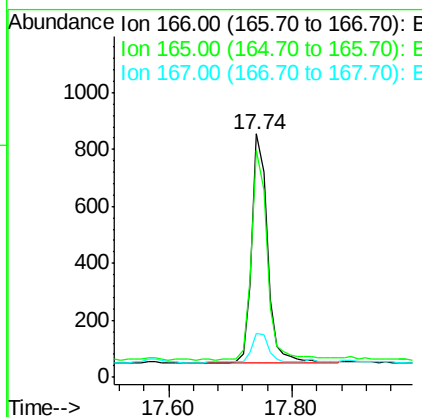
MDL-07-W



Tgt Ion:	166	Resp:	1448
Ion Ratio	Lower	Upper	
166	100		
165	89.0	74.7	112.1
167	13.2	10.5	15.7

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#13

Phenanthrene-d10

Concen: 5.00 ng

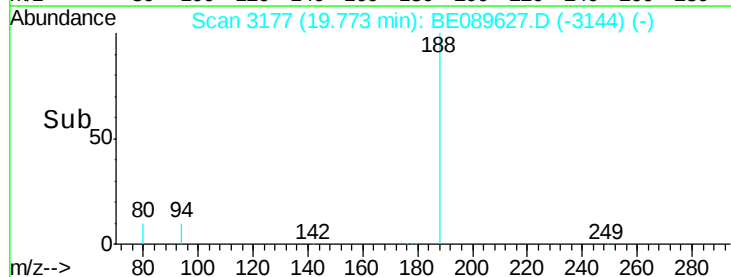
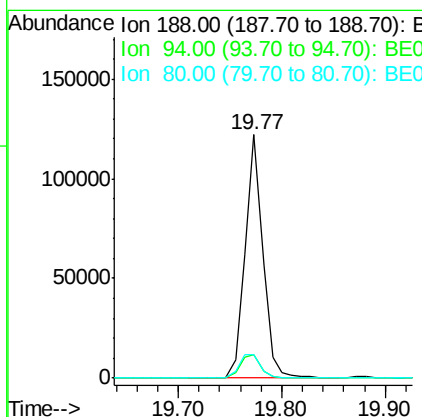
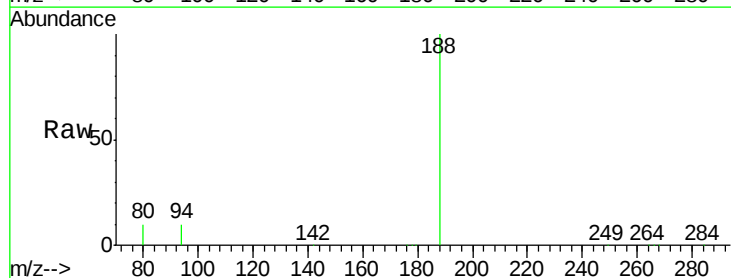
RT: 19.77 min Scan# 3177

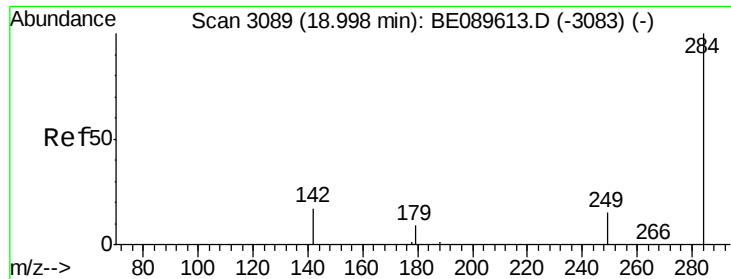
Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Tgt Ion:	188	Resp:	145050
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.2	12.4
80	9.6	8.1	12.1





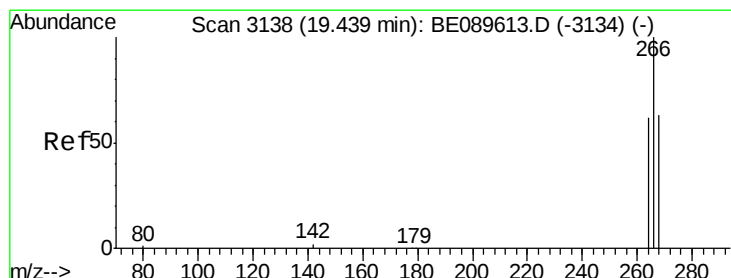
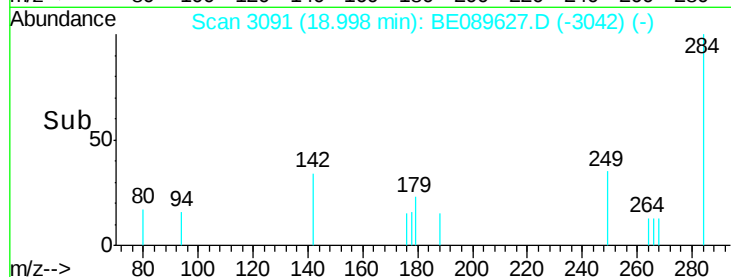
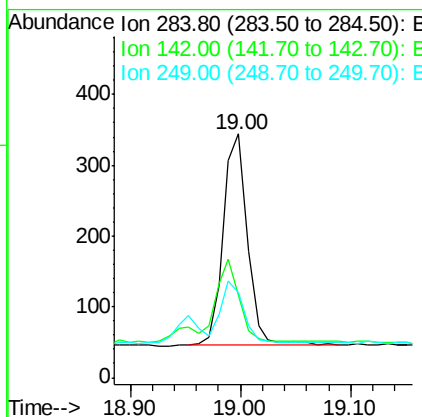
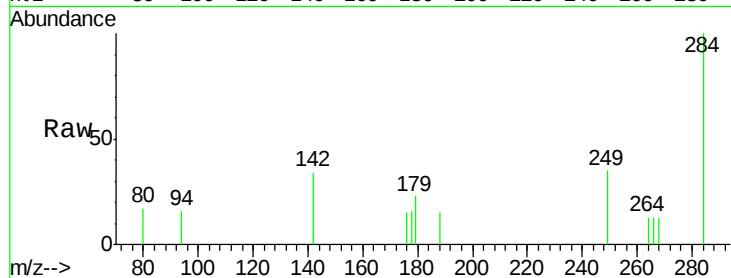
#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 19.00 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BE089627.D
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ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
284	100		
142	43.6	32.3	48.5
249	27.5	22.3	33.5

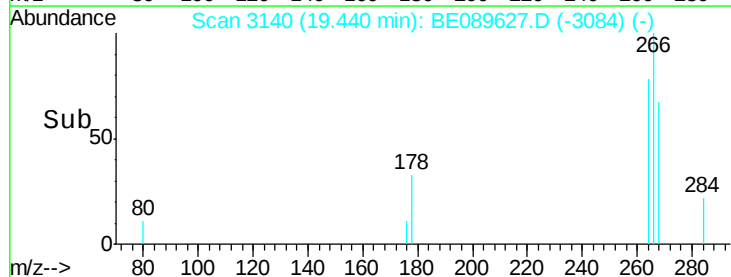
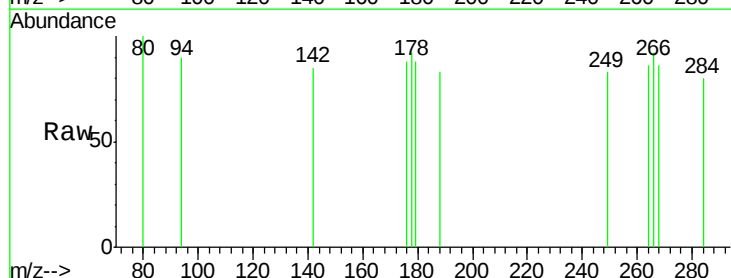
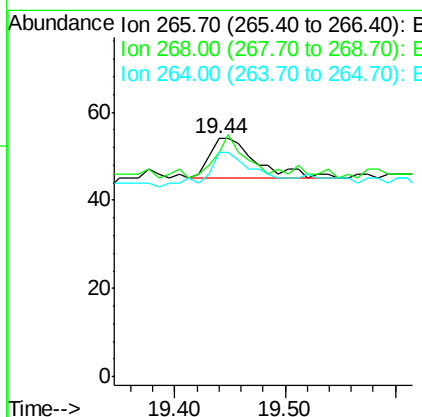
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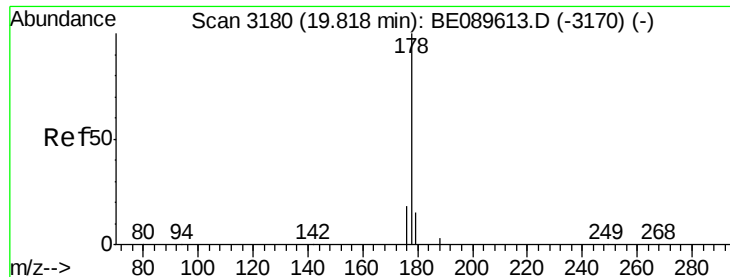
apatel
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#15
Pentachlorophenol
Concen: Below Cal
RT: 19.44 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
266	100		
268	94.4	52.6	79.0#
264	94.4	51.8	77.8#





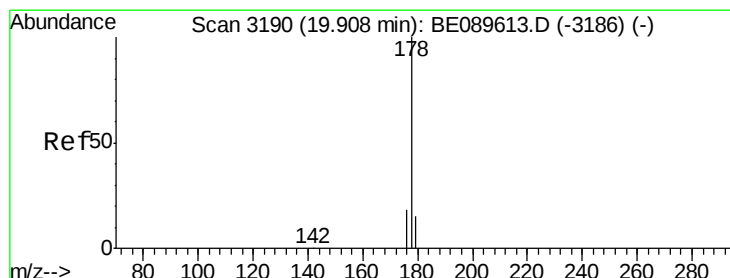
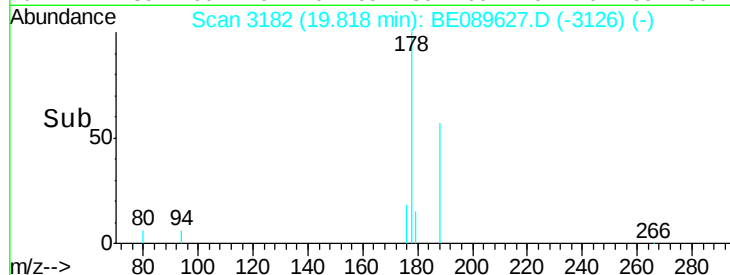
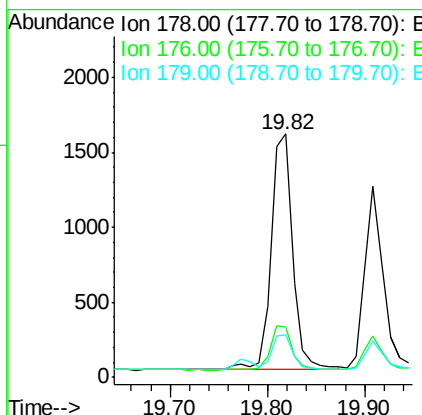
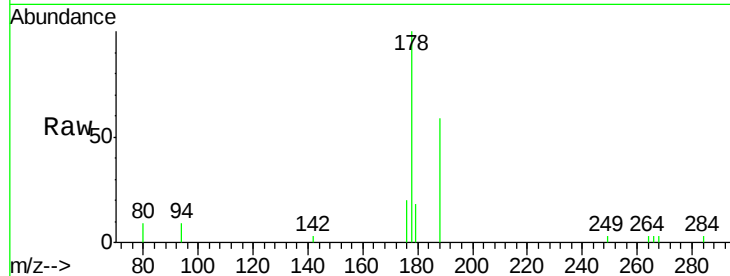
#16
Phenanthrene
Concen: 0.07 ng
RT: 19.82 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Instrument :
BNA_E
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	14.1	12.3	18.5

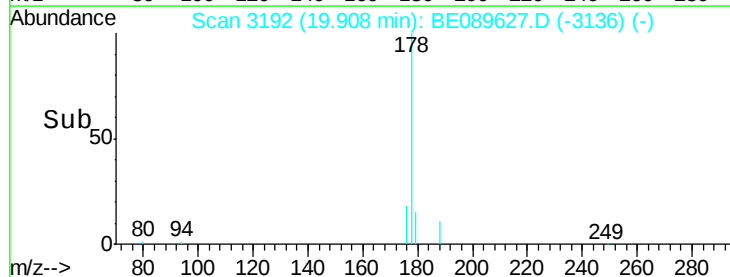
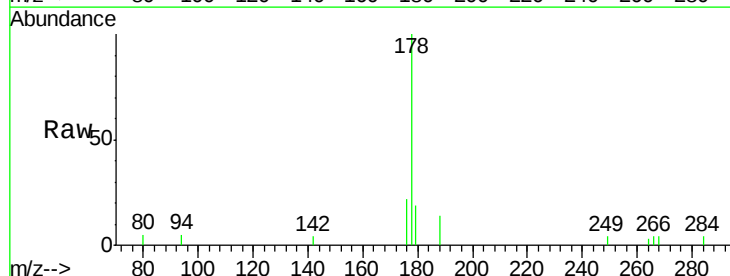
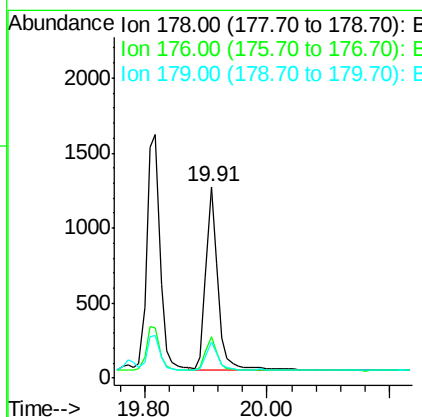
Manual Integrations
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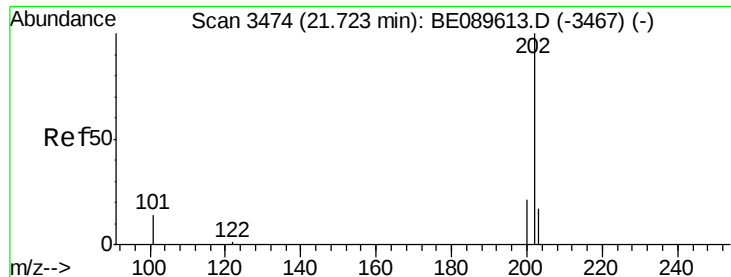
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#17
Anthracene
Concen: 0.06 ng
RT: 19.91 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	14.1	12.3	18.5





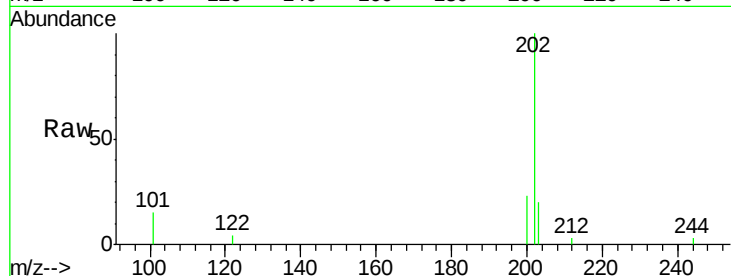
#18
 Fluoranthene
 Concen: 0.05 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

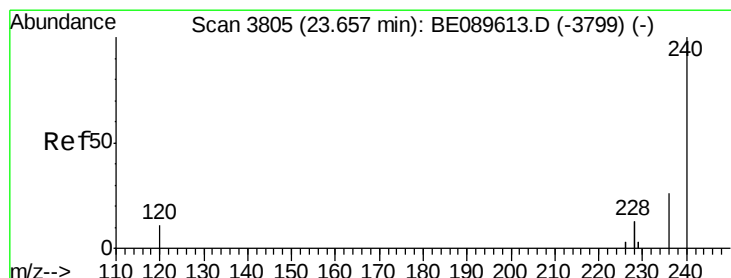
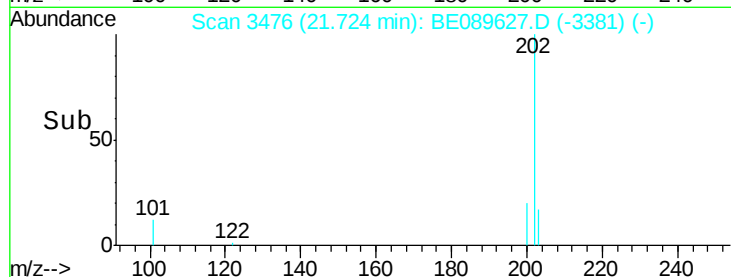
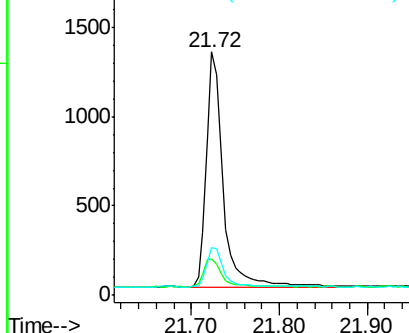
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.4	15.6
203	16.8	13.9	20.9

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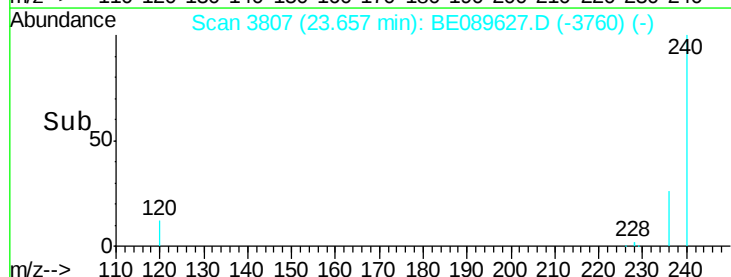
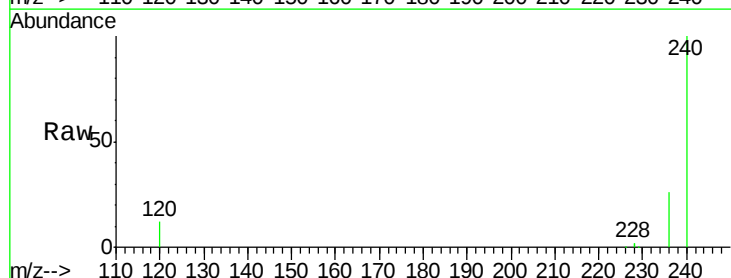
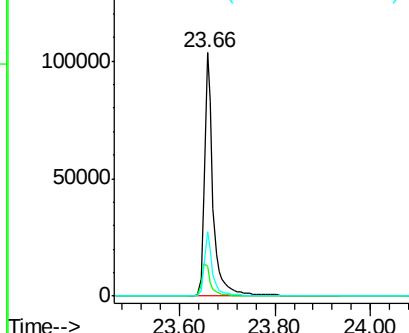
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

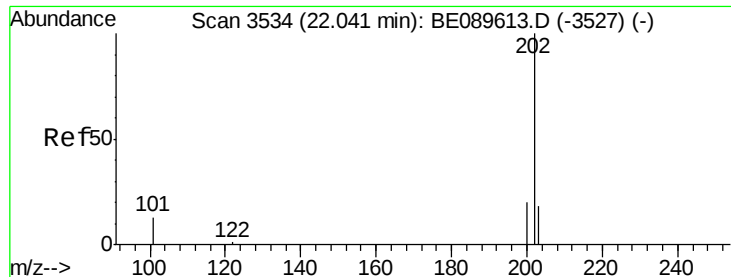


#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3807
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

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

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





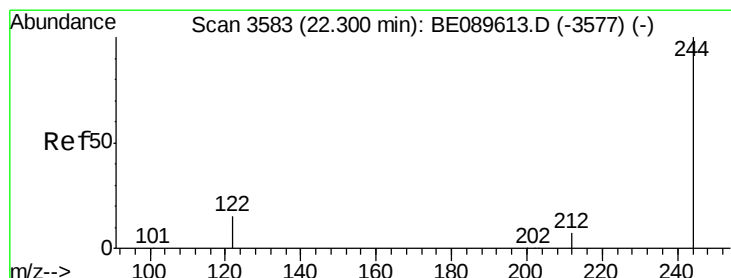
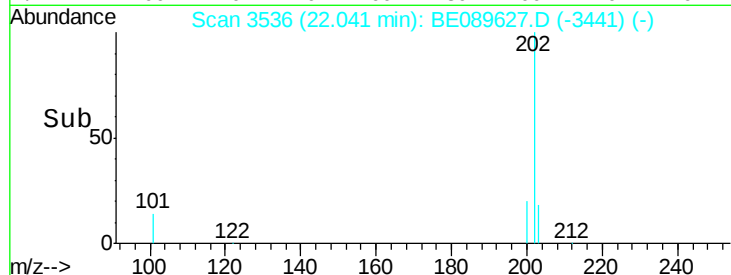
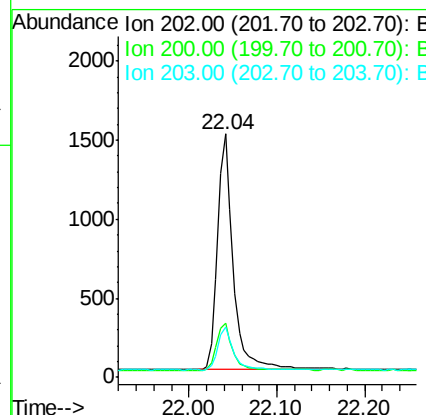
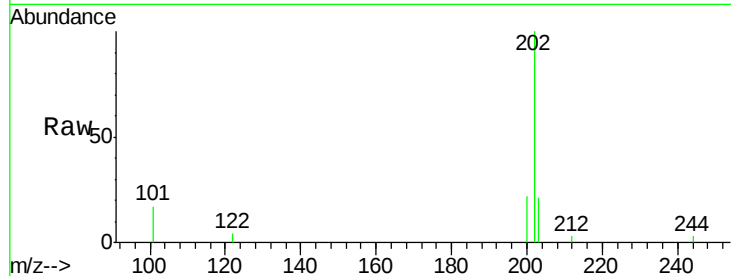
#20
Pyrene
Concen: 0.06 ng
RT: 22.04 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Instrument :
BNA_E
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	17.8	13.8	20.8

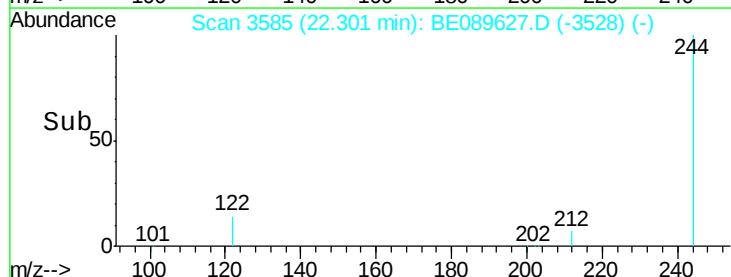
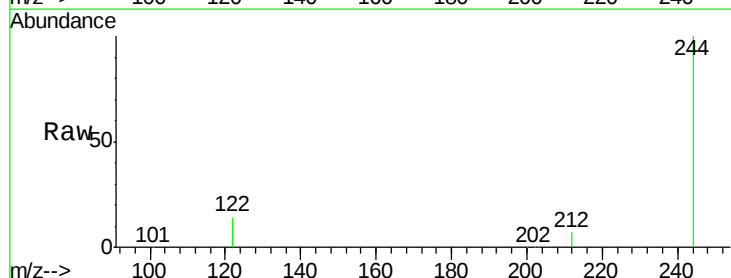
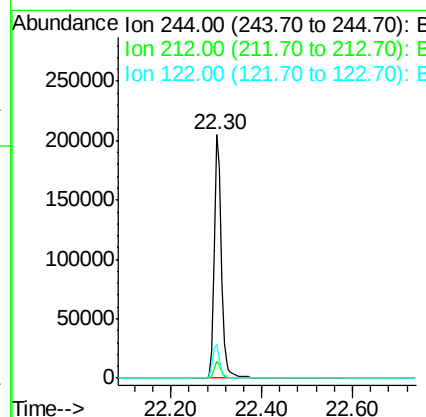
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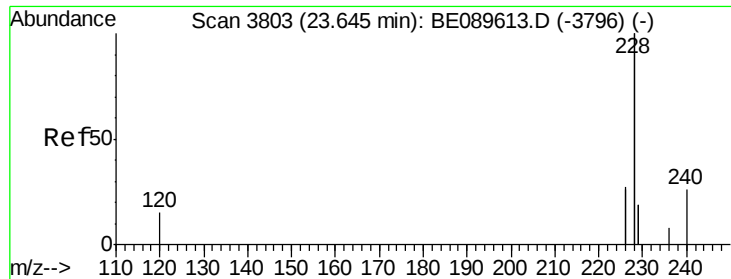
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#21
Terphenyl-d14
Concen: 11.25 ng
RT: 22.30 min Scan# 3585
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.7	11.8	17.8





#22

Benzo(a)anthracene

Concen: 0.06 ng m

RT: 23.65 min Scan# 3806

Delta R.T. 0.01 min

Lab File: BE089627.D

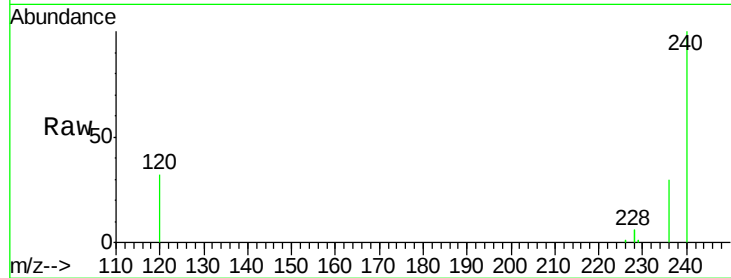
Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

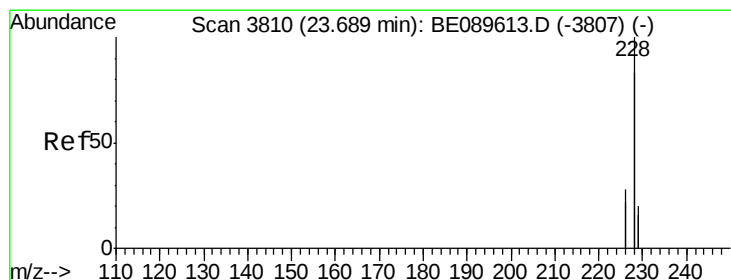
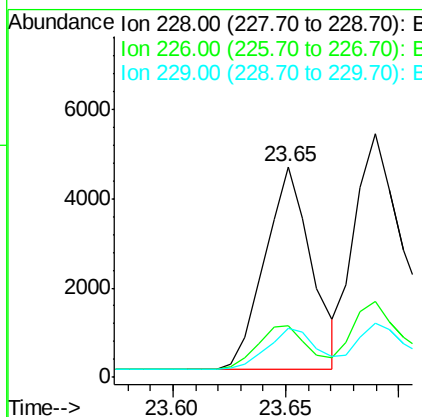
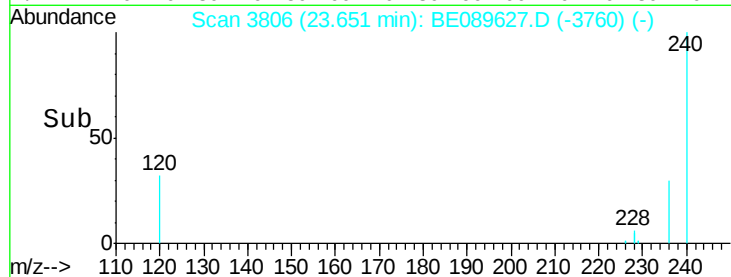
MDL-07-W



Tgt Ion:	228	Resp:	6561
Ion Ratio	Lower	Upper	
228	100		
226	24.6	21.2	31.8
229	23.3	15.2	22.8

Manual Integrations
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#23

Chrysene

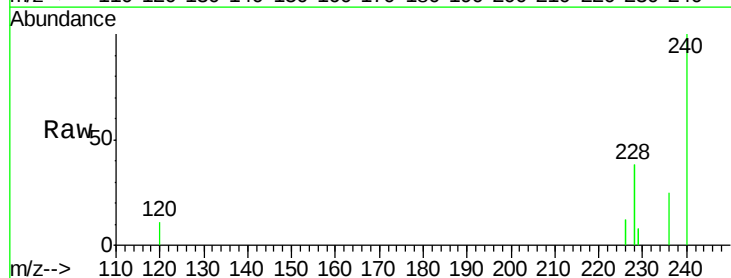
Concen: 0.08 ng

RT: 23.69 min Scan# 3812

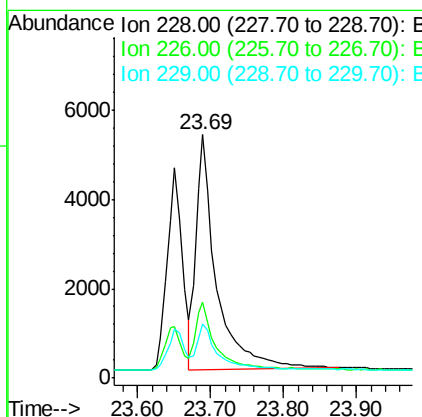
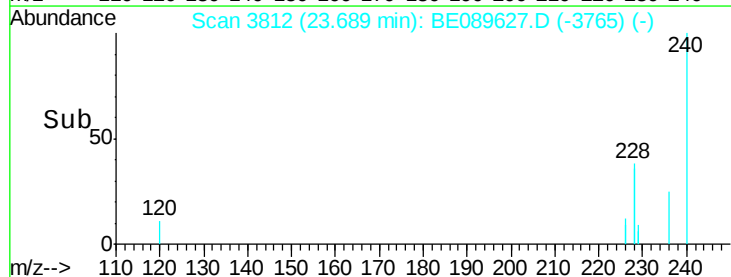
Delta R.T. 0.00 min

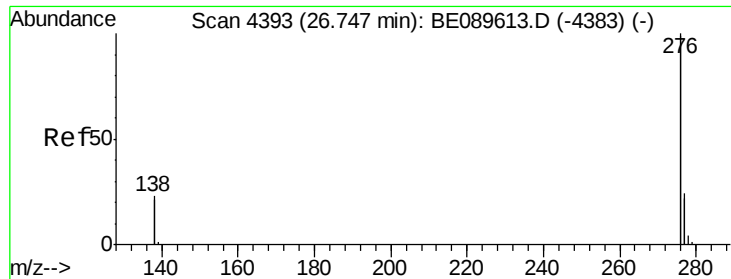
Lab File: BE089627.D

Acq: 18 Feb 2015 20:51



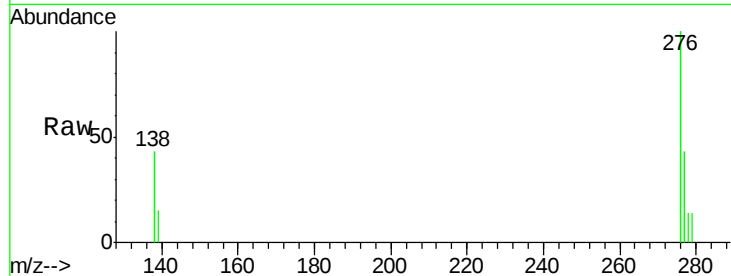
Tgt Ion:	228	Resp:	10124
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.2	33.4
229	22.3	16.0	24.0





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.19 ng
 RT: 26.74 min Scan# 4394
 Delta R.T. -0.01 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

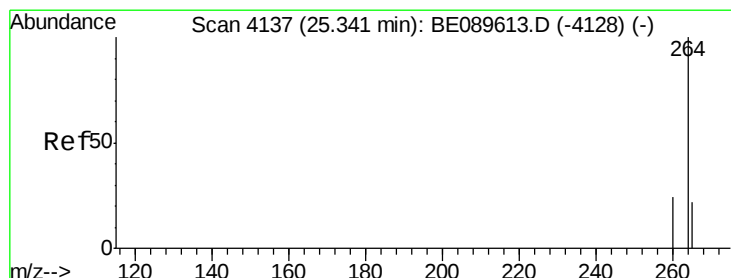
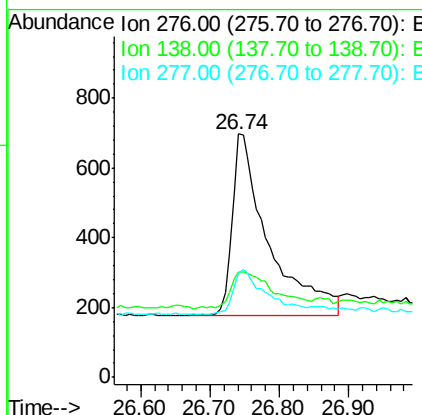
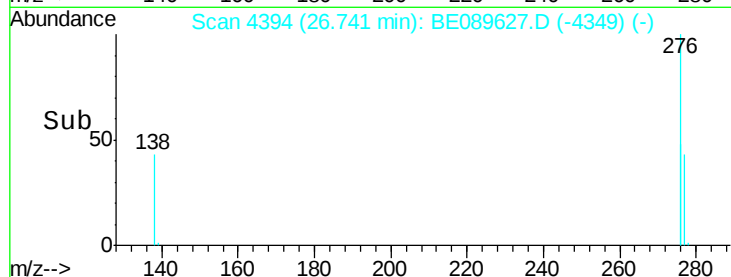
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.4	32.2
277	22.7	19.9	29.9

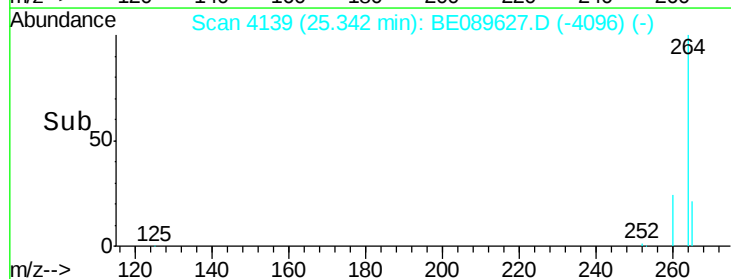
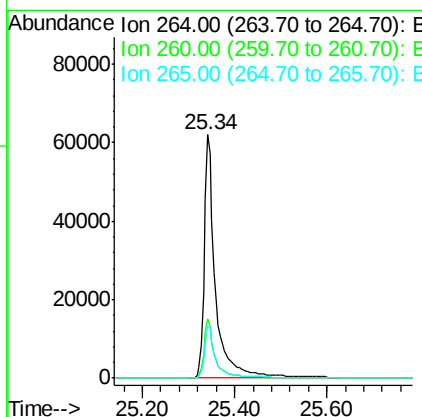
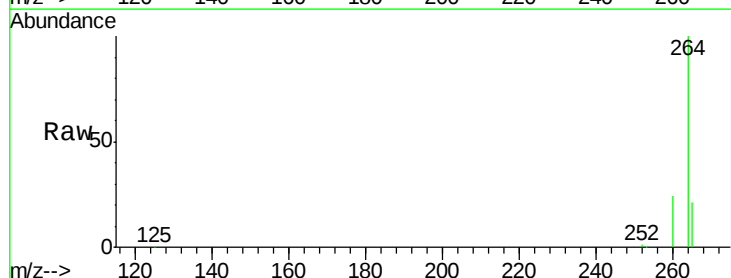
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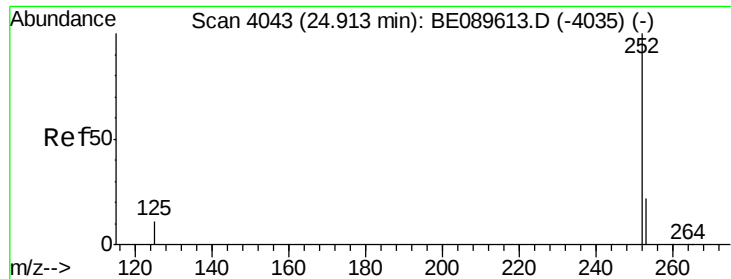
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#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.2	17.4	26.0





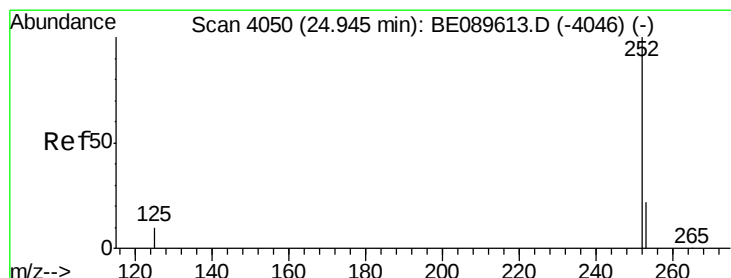
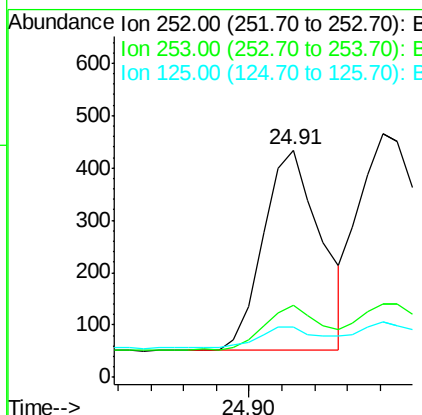
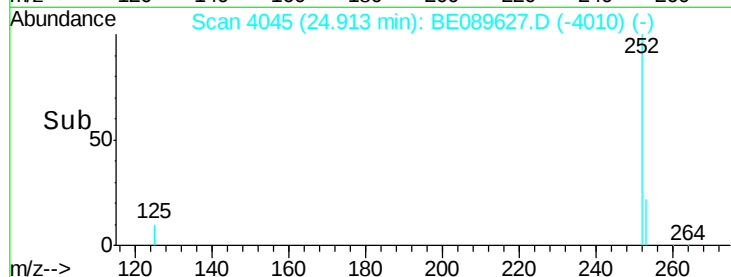
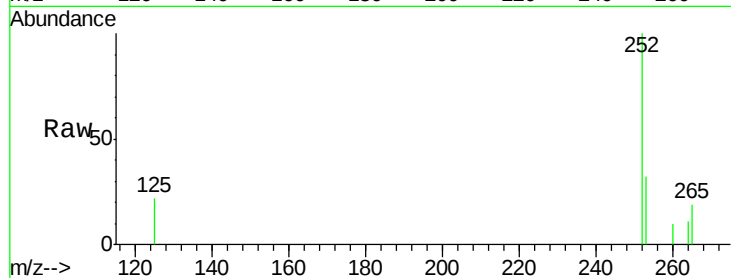
#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4045
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Instrument :
BNA_E
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.6	26.4#
125	22.1	8.8	13.2#

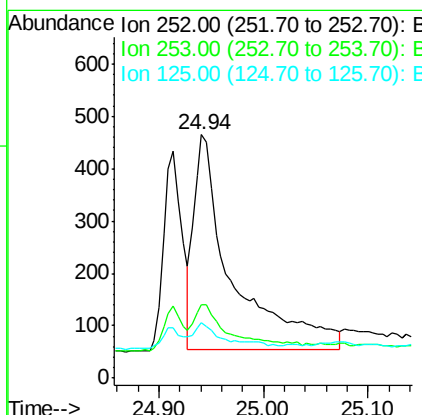
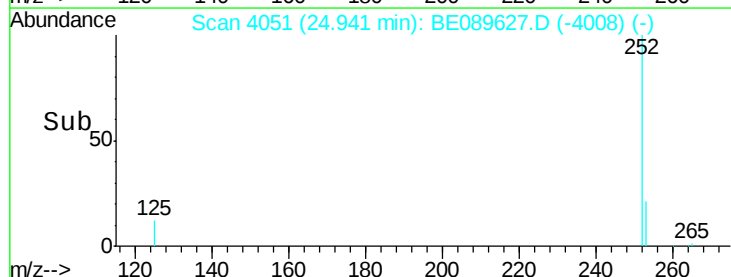
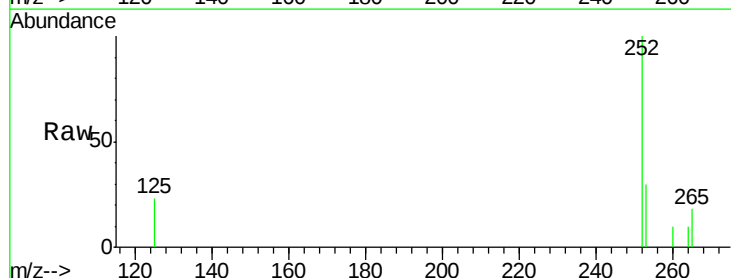
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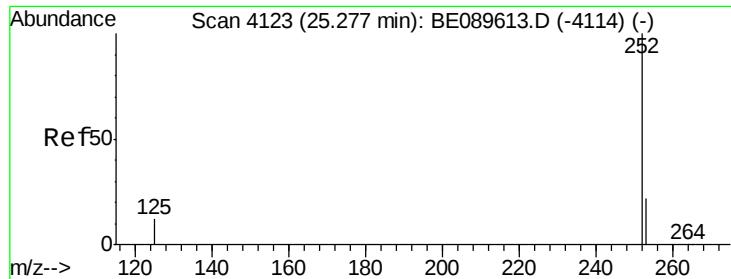
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#27
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 24.94 min Scan# 4051
Delta R.T. -0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.7	26.5#
125	22.6	8.8	13.2#





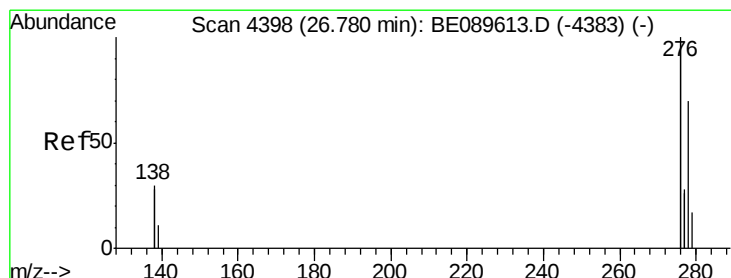
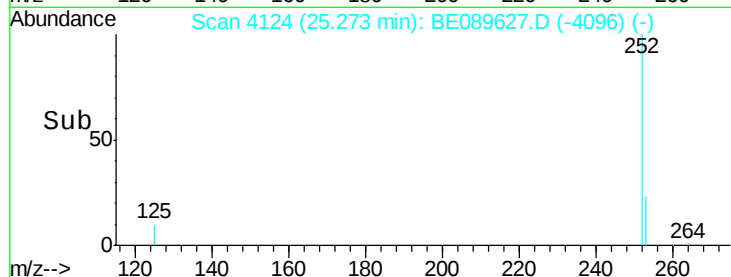
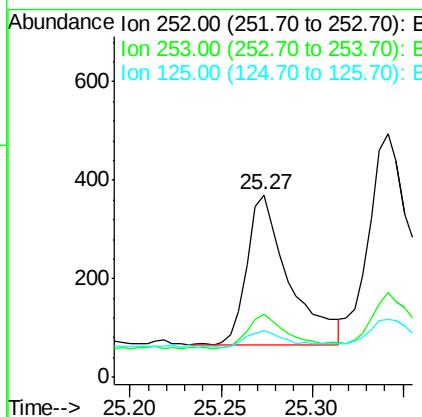
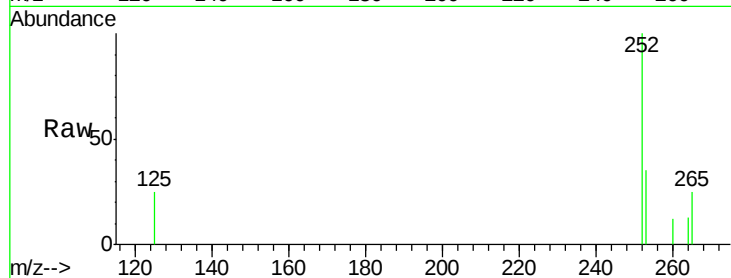
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4124
Delta R.T. -0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Instrument :
BNA_E
ClientSampleId :
MDL-07-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	18.1	27.1#
125	25.1	9.6	14.4#

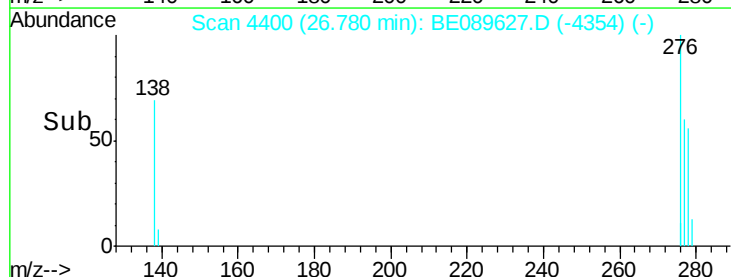
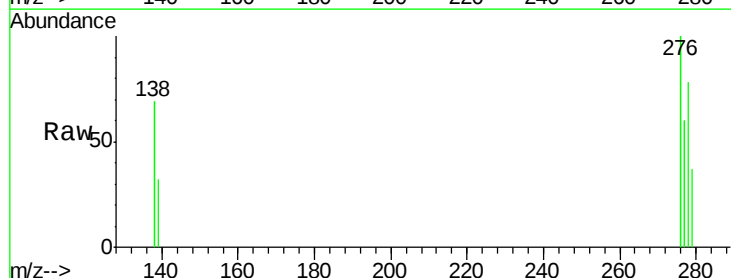
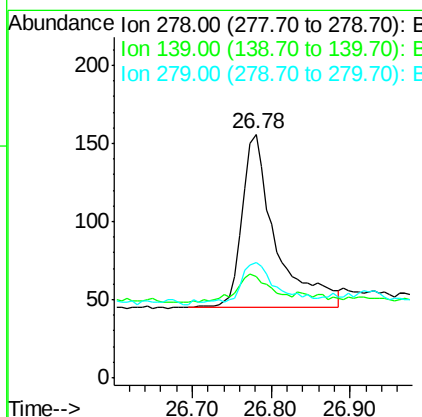
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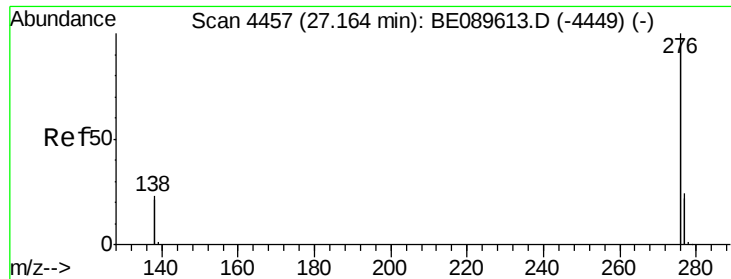
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#29
Dibenzo(a,h)anthracene
Concen: 0.24 ng
RT: 26.78 min Scan# 4400
Delta R.T. 0.00 min
Lab File: BE089627.D
Acq: 18 Feb 2015 20:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.7	13.7	20.5#
279	47.4	19.7	29.5#





#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.16 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BE089627.D

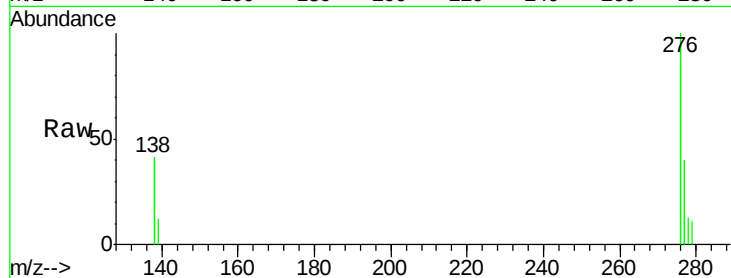
Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W



Tgt Ion	Ratio	Lower	Upper
276	100		
277	40.4	19.1	28.7#
138	40.6	18.7	28.1#

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