

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089631.D
 Acq On : 19 Feb 2015 00:14
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-0.1/0.2
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

Manual Integrations
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 2/19/2015 1:50:16 PM

Quant Time: Feb 19 12:21:38 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	37185	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	147084	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	72856	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	142347	5.00	ng	0.00
19) Chrysene-d12	23.66	240	125017	5.00	ng	0.00
25) Perylene-d12	25.34	264	99453	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.61	82	65737	10.28	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	179270	9.19	ng	0.00
21) Terphenyl-d14	22.31	244	213222	11.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	282	0.06	ng	# 75
6) Naphthalene	12.30	128	2376	0.07	ng	# 93
7) 2-Methylnaphthalene	13.95	142	1293	0.06	ng	98
10) Acenaphthylene	16.07	152	7275	0.06	ng	99
11) Acenaphthene	16.50	154	1362	0.07	ng	# 86
12) Fluorene	17.74	166	1534	0.07	ng	96
14) Hexachlorobenzene	19.00	284	454	0.07	ng	92
15) Pentachlorophenol	19.45	266	30	Below Cal		# 69
16) Phenanthrene	19.82	178	2527	0.07	ng	99
17) Anthracene	19.91	178	1766	0.06	ng	99
18) Fluoranthene	21.73	202	1878	0.06	ng	99
20) Pyrene	22.04	202	2005	0.07	ng	98
22) Benzo(a)anthracene	23.65	228	6599m	0.06	ng	
23) Chrysene	23.69	228	10757	0.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.75	276	1782	0.19	ng	94
26) Benzo(b)fluoranthene	24.91	252	475	0.29	ng	# 75
27) Benzo(k)fluoranthene	24.94	252	906m	0.03	ng	
28) Benzo(a)pyrene	25.27	252	477	0.26	ng	# 71
29) Dibenzo(a,h)anthracene	26.78	278	331	0.25	ng	# 45
30) Benzo(g,h,i)perylene	27.17	276	2788	0.16	ng	# 65

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

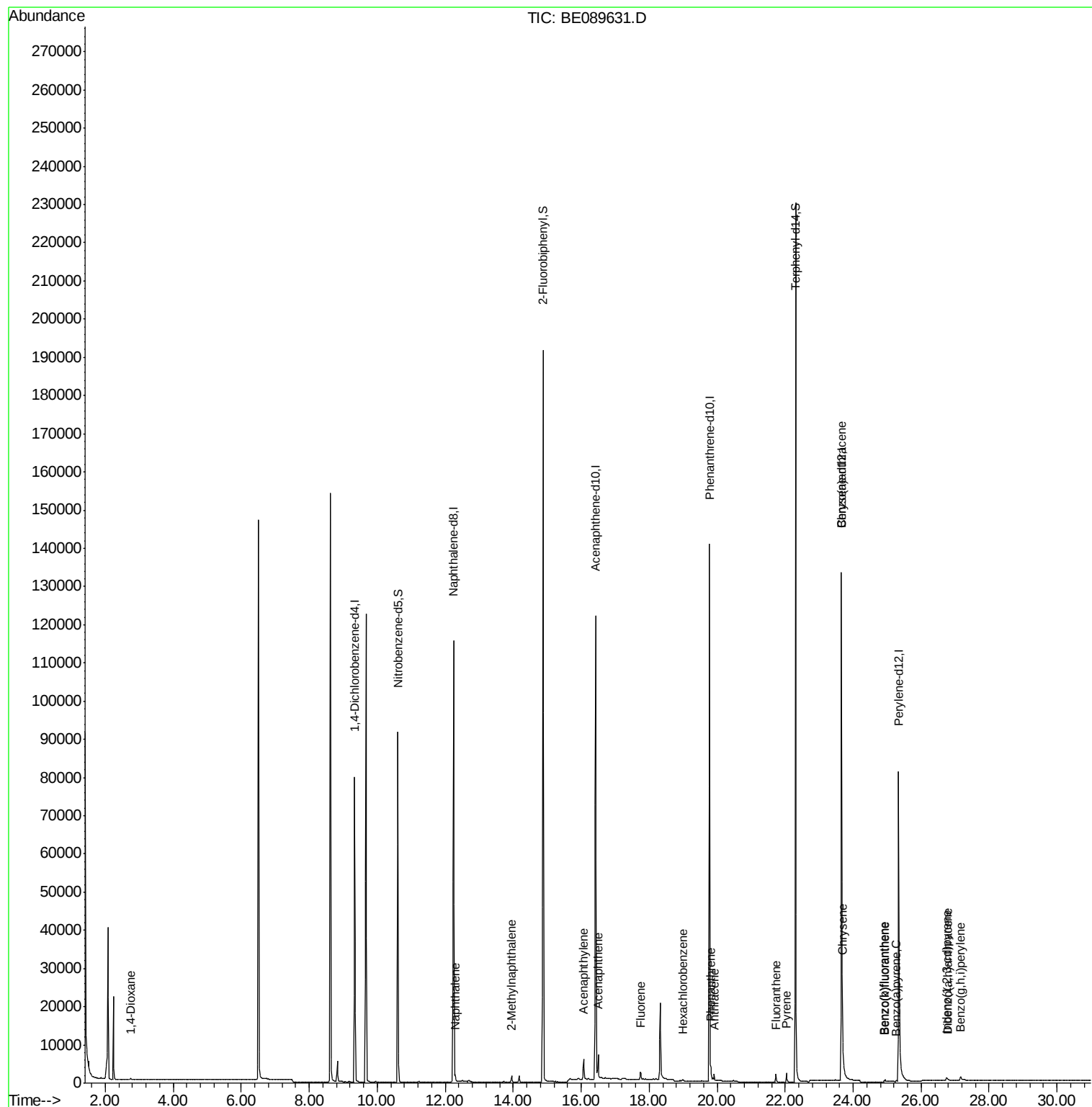
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089631.D
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Misc : MDL-SOIL-0.1/0.2
ALS Vial : 19 Sample Multiplier: 1

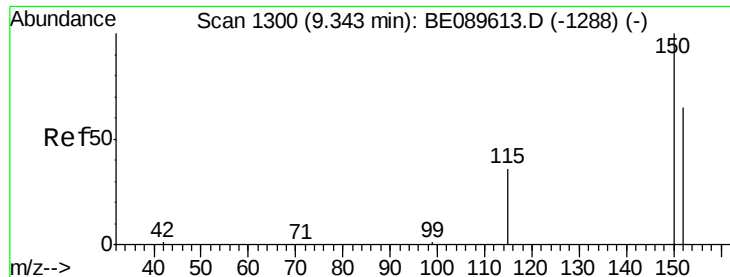
Instrument :
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ClientSampleId :
MDL-03-S

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Quant Time: Feb 19 12:21:38 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE089631.D

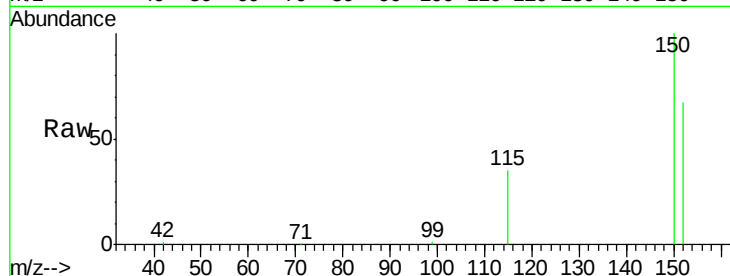
Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

ClientSampled :

MDL-03-S



Tgt Ion:152 Resp: 37185

Ion Ratio Lower Upper

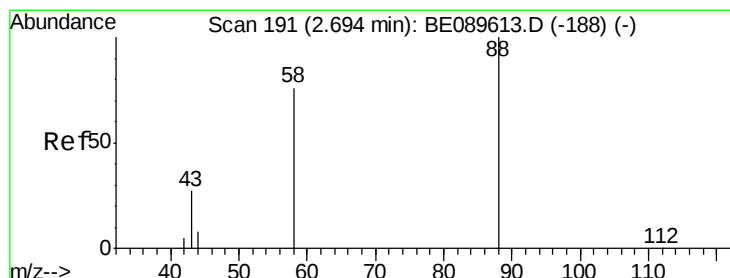
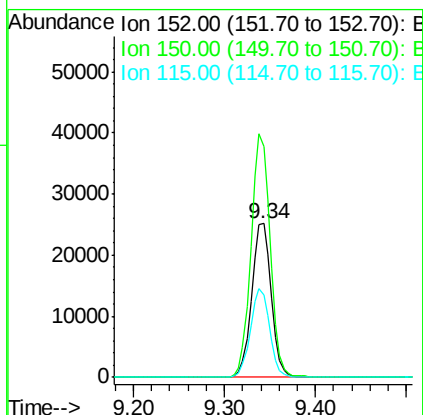
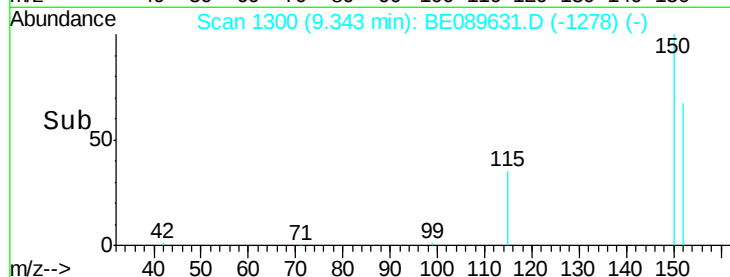
152 100

150 150.3 122.4 183.6

115 53.3 44.2 66.2

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#2

1,4-Dioxane

Concen: 0.06 ng

RT: 2.73 min Scan# 197

Delta R.T. 0.04 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

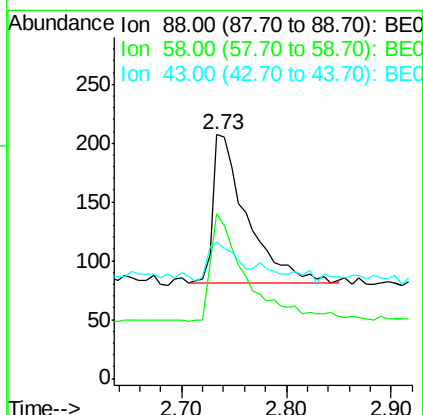
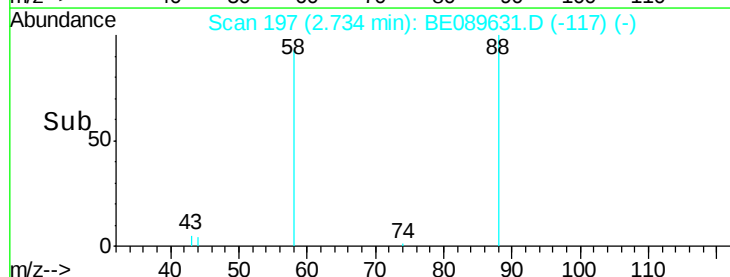
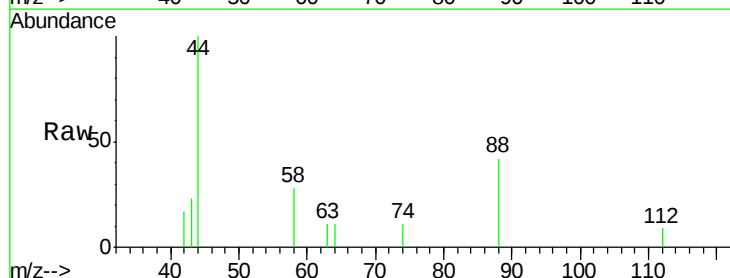
Tgt Ion: 88 Resp: 282

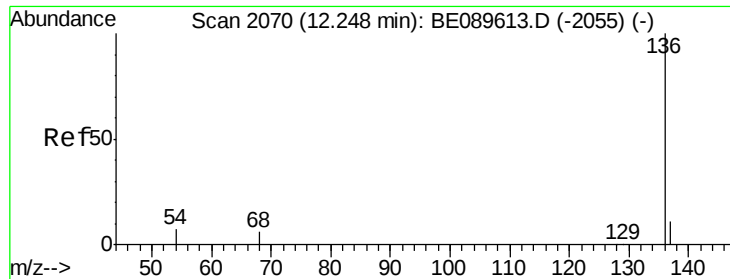
Ion Ratio Lower Upper

88 100

58 80.5 54.6 81.8

43 0.0 20.6 30.8#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

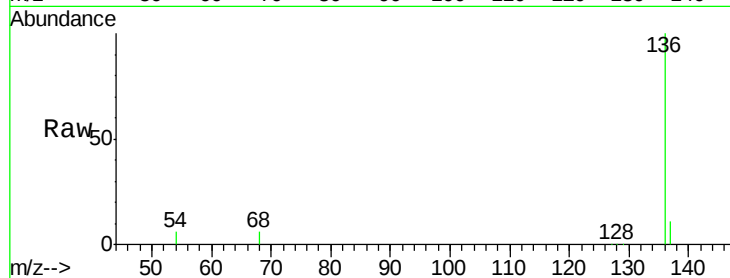
ClientSampleId :

MDL-03-S

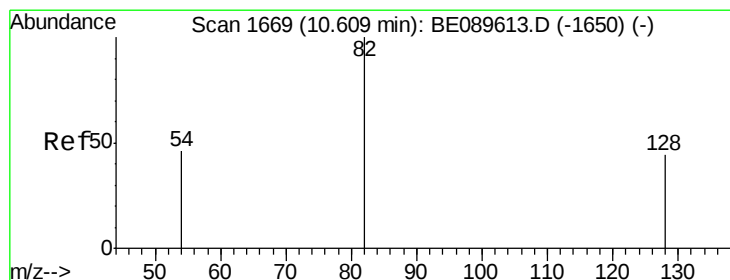
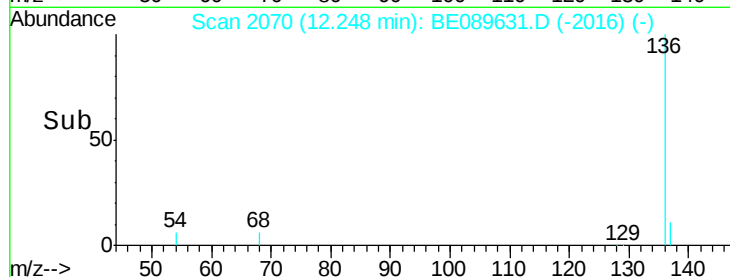
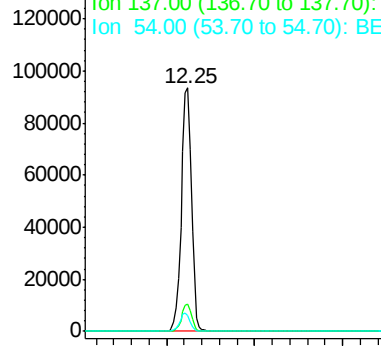
Tgt Ion:	136	Resp:	147084
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.4	5.3	7.9

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Abundance Ion 136.00 (135.70 to 136.70): BE089613.D (-2055) (-)



#5

Nitrobenzene-d5

Concen: 10.28 ng

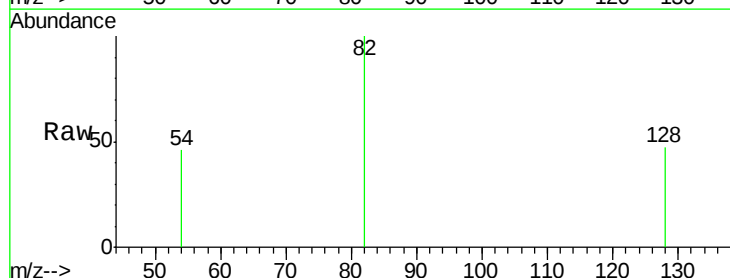
RT: 10.61 min Scan# 1668

Delta R.T. -0.00 min

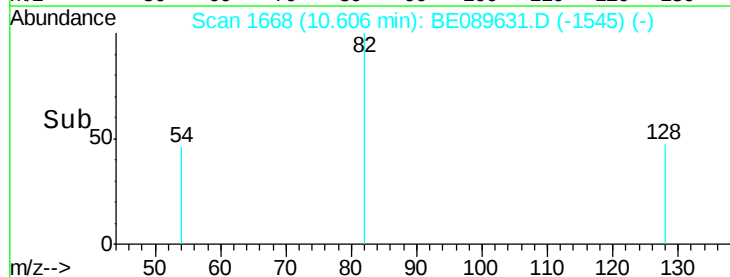
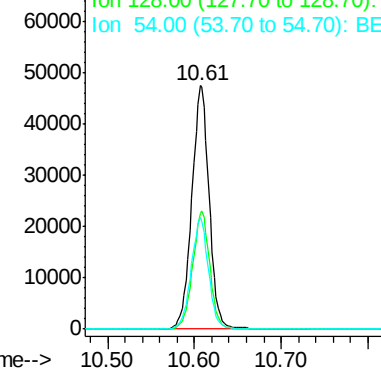
Lab File: BE089631.D

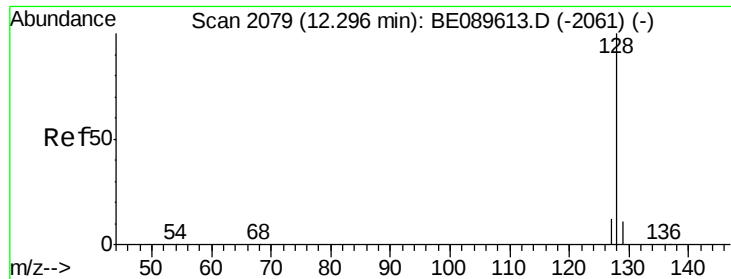
Acq: 19 Feb 2015 00:14

Tgt Ion:	82	Resp:	65737
Ion Ratio	Lower	Upper	
82	100		
128	47.3	35.5	53.3
54	46.0	37.5	56.3



Abundance Ion 82.00 (81.70 to 82.70): BE089613.D (-1650) (-)





#6

Naphthalene

Concen: 0.07 ng

RT: 12.30 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

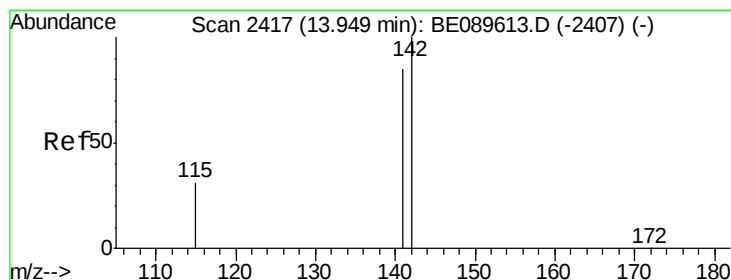
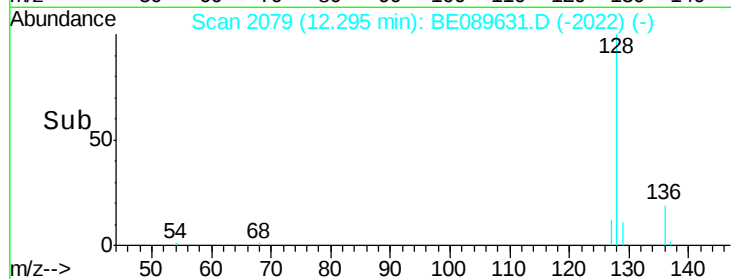
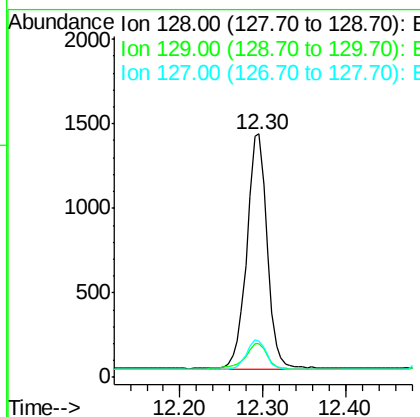
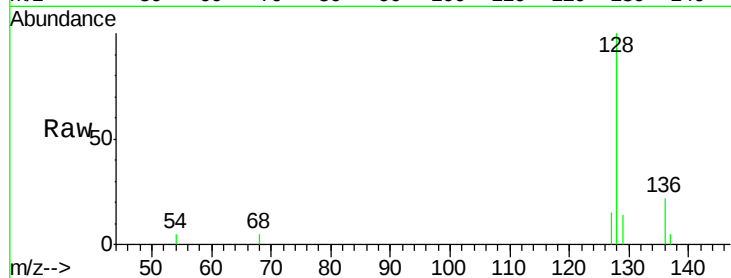
ClientSampleId :

MDL-03-S

Tgt Ion:	128	Resp:	2376
Ion Ratio	Lower	Upper	
128	100		
129	13.7	8.9	13.3#
127	14.8	9.8	14.8#

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#7

2-Methylnaphthalene

Concen: 0.06 ng

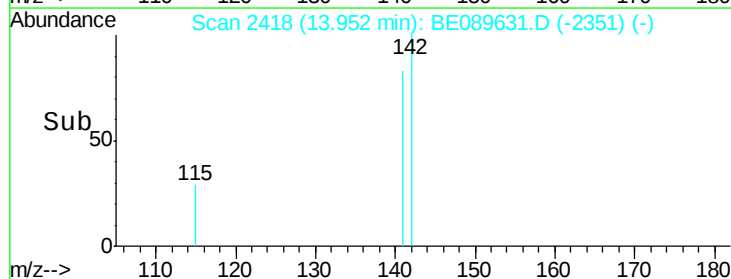
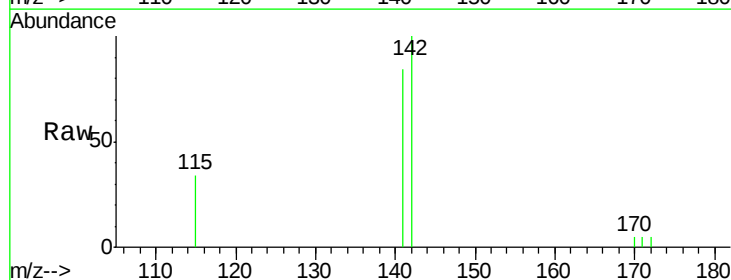
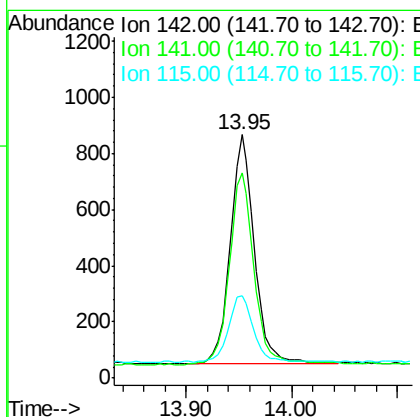
RT: 13.95 min Scan# 2418

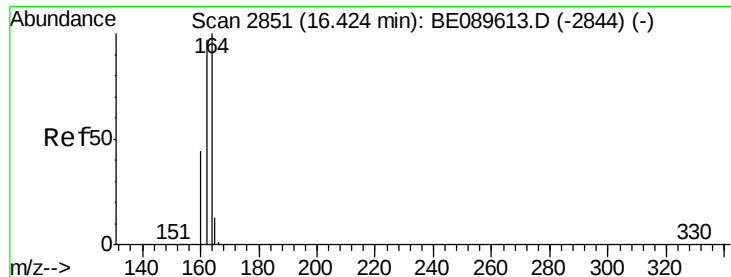
Delta R.T. 0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Tgt Ion:	142	Resp:	1293
Ion Ratio	Lower	Upper	
142	100		
141	84.4	68.3	102.5
115	33.9	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: BE089631.D

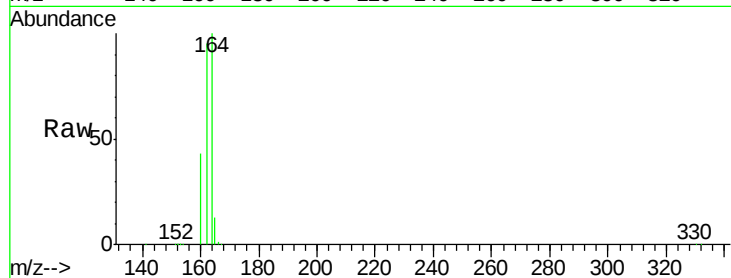
Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

ClientSampleId :

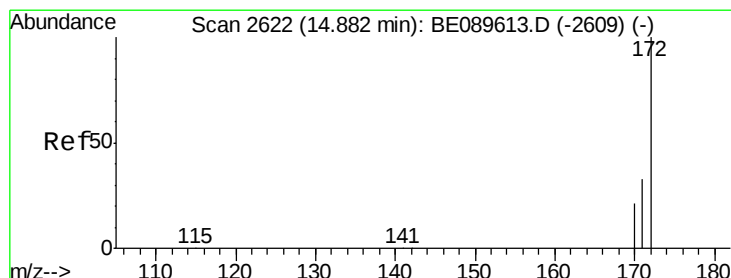
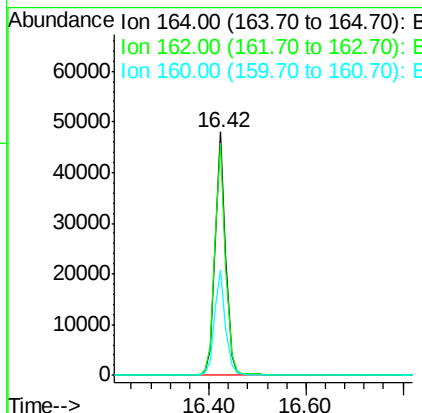
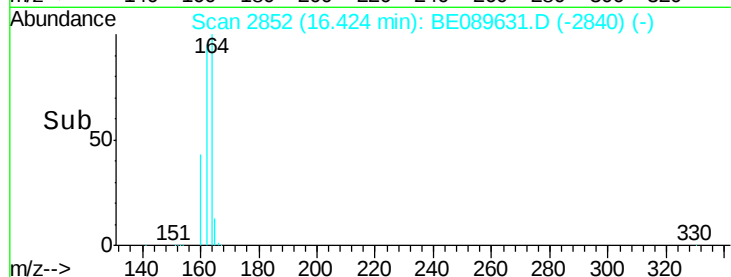
MDL-03-S



Tgt Ion:	164	Resp:	72856
Ion Ratio	Lower	Upper	
164	100		
162	95.3	77.5	116.3
160	43.4	35.5	53.3

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#9

2-Fluorobiphenyl

Concen: 9.19 ng

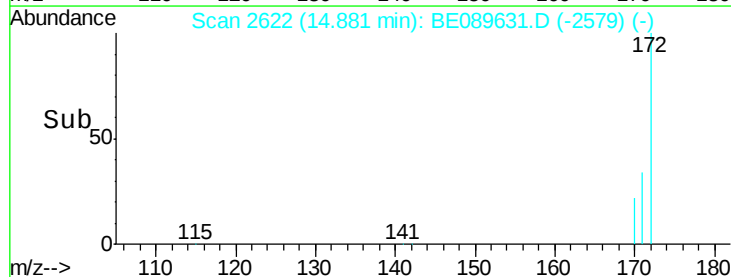
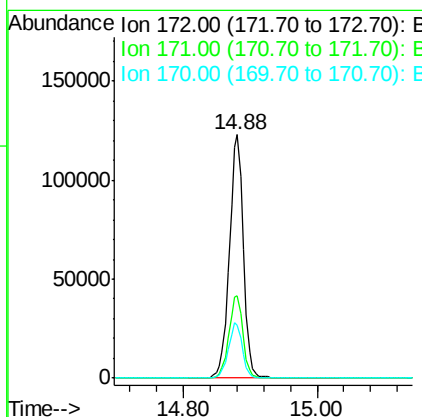
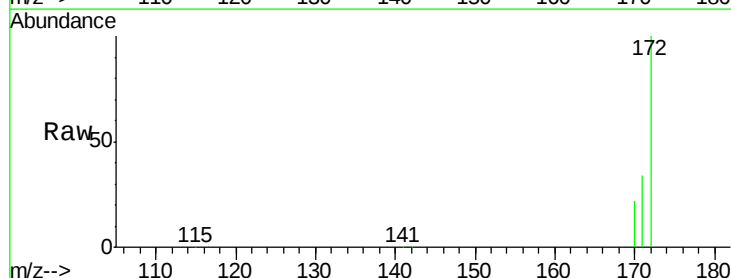
RT: 14.88 min Scan# 2622

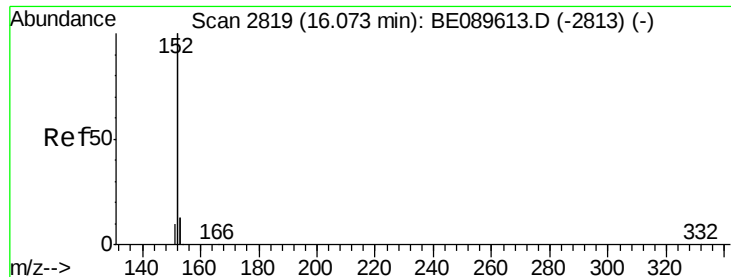
Delta R.T. -0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Tgt Ion:	172	Resp:	179270
Ion Ratio	Lower	Upper	
172	100		
171	33.7	26.9	40.3
170	21.8	17.4	26.0





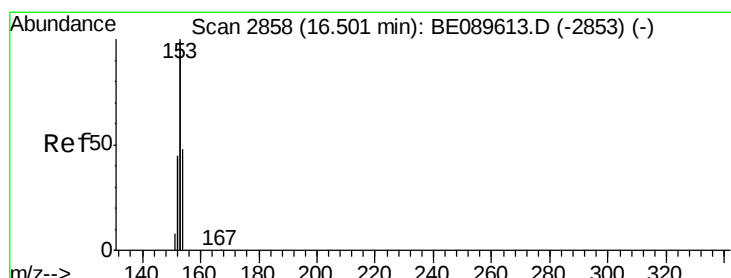
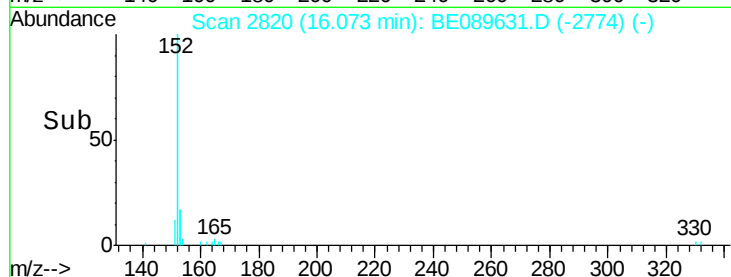
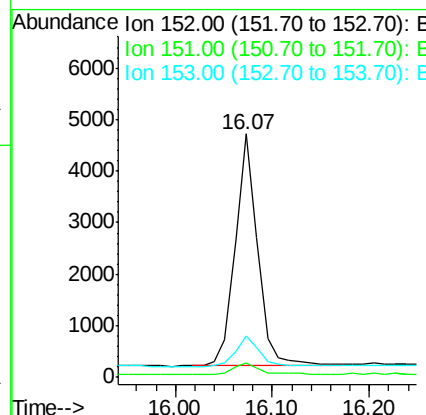
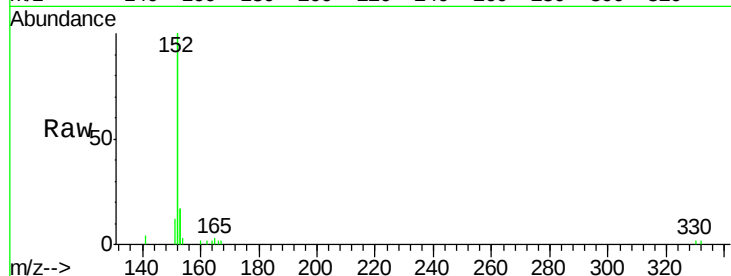
#10
Acenaphthylene
Concen: 0.06 ng
RT: 16.07 min Scan# 2820
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.7	10.5	15.7

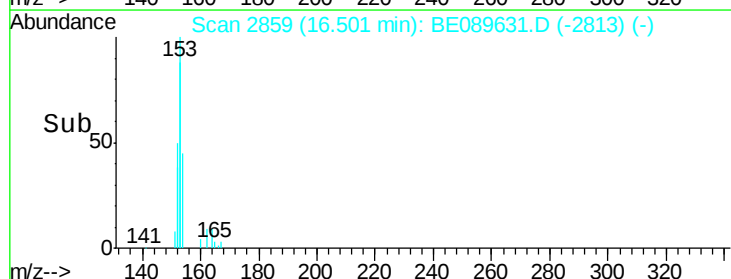
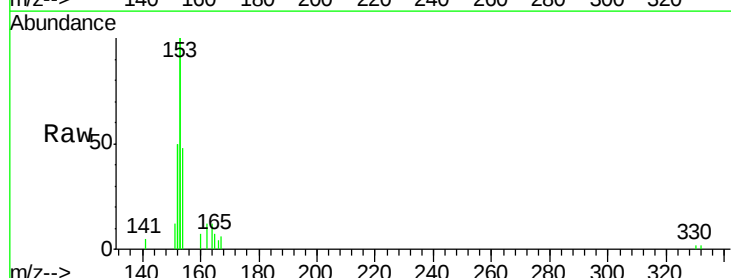
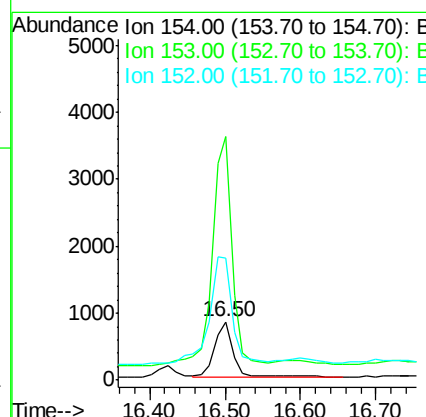
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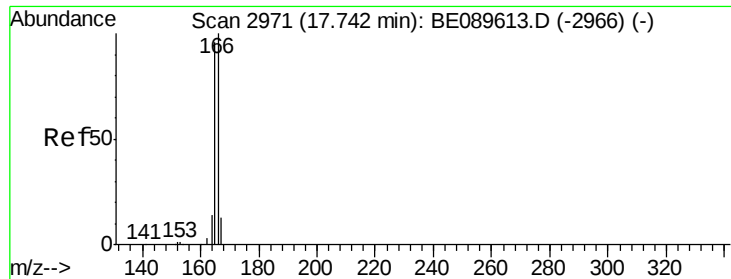
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#11
Acenaphthene
Concen: 0.07 ng
RT: 16.50 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	454.1	348.9	523.3
152	253.2	166.6	249.8





#12

Fluorene

Concen: 0.07 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089631.D

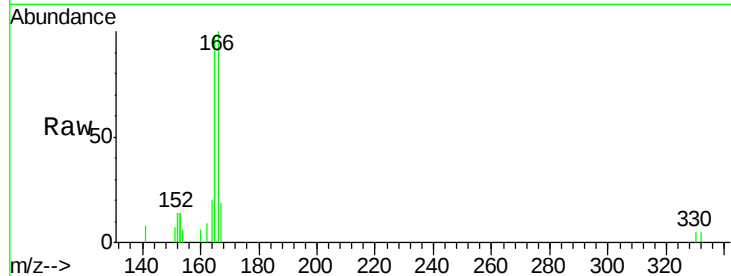
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Instrument :

BNA_E

ClientSampleId :

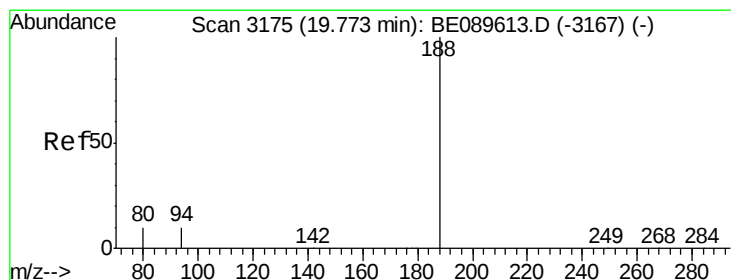
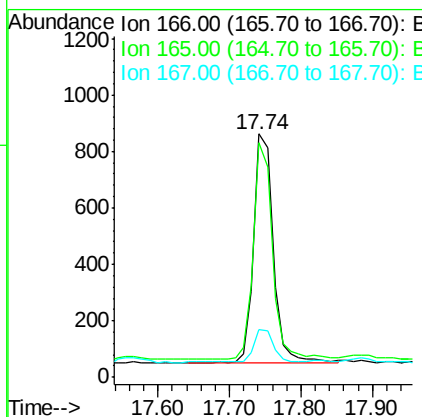
MDL-03-S



Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.1	74.7	112.1
167	14.8	10.5	15.7

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#13

Phenanthrene-d10

Concen: 5.00 ng

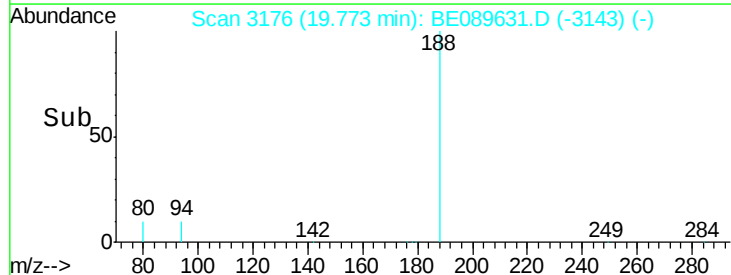
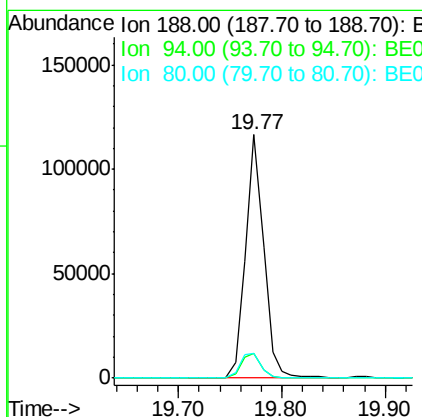
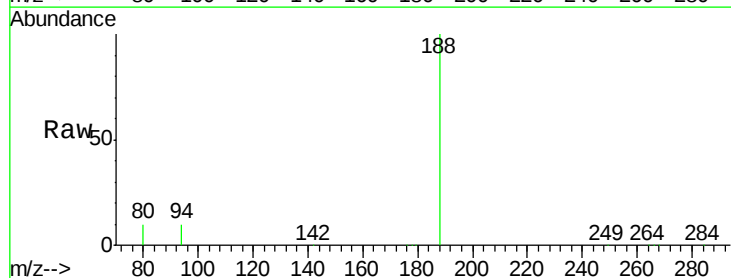
RT: 19.77 min Scan# 3176

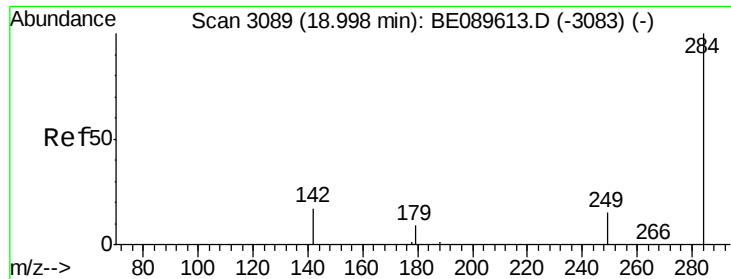
Delta R.T. 0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.4
80	10.2	8.1	12.1





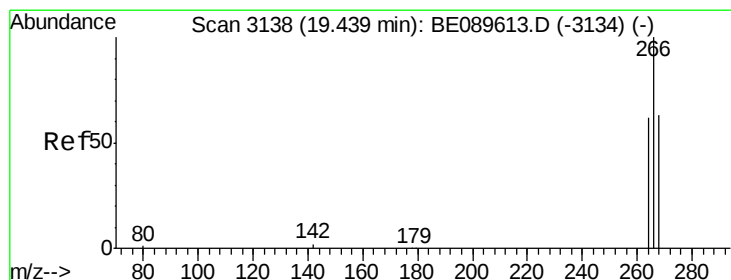
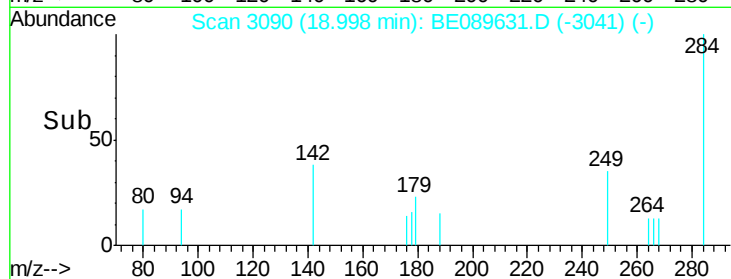
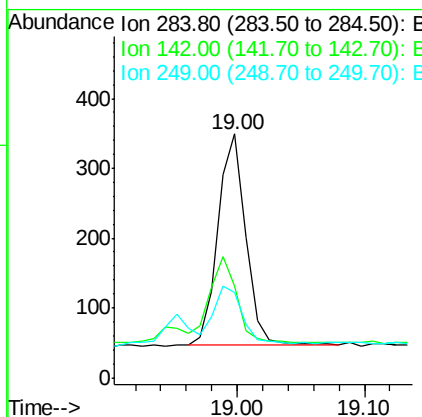
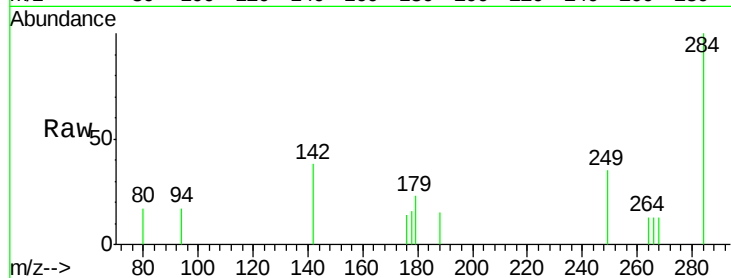
#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	454		
142	48.0		32.3	48.5
249	28.6		22.3	33.5

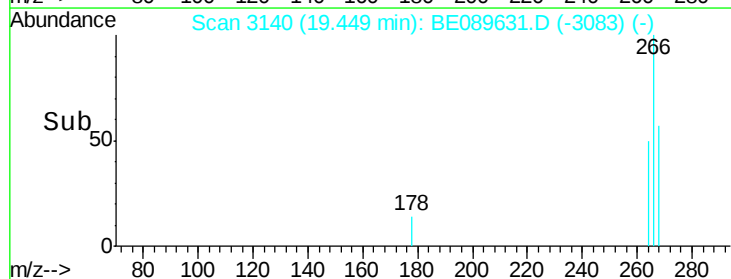
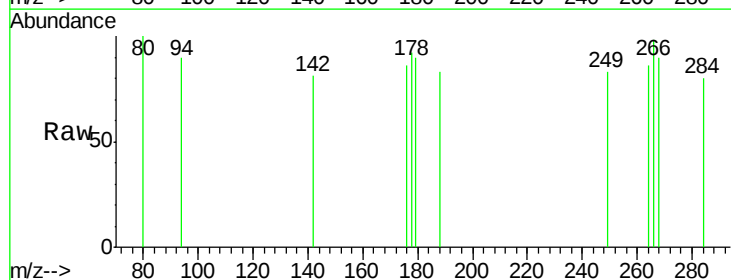
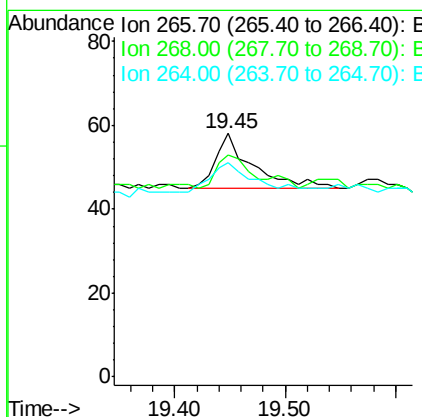
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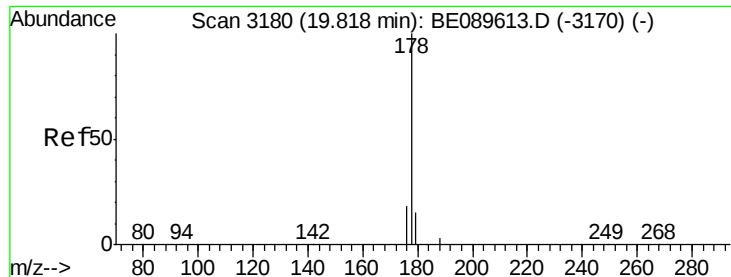
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#15
Pentachlorophenol
Concen: Below Cal
RT: 19.45 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	30		
268	91.4		52.6	79.0#
264	87.9		51.8	77.8#





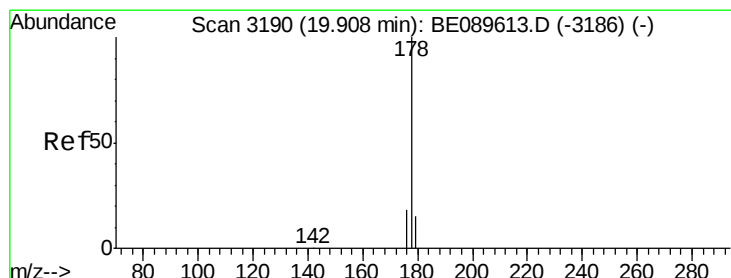
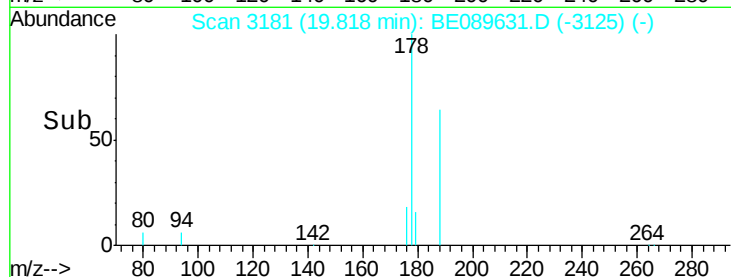
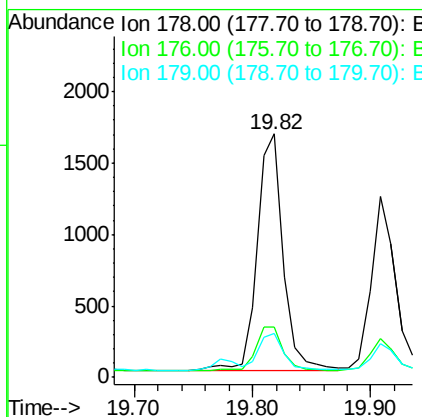
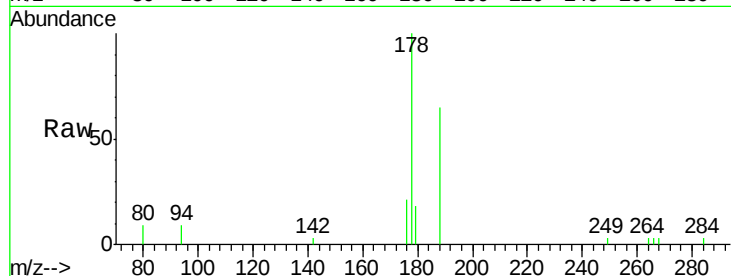
#16
Phenanthrene
Concen: 0.07 ng
RT: 19.82 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	14.9	12.3	18.5

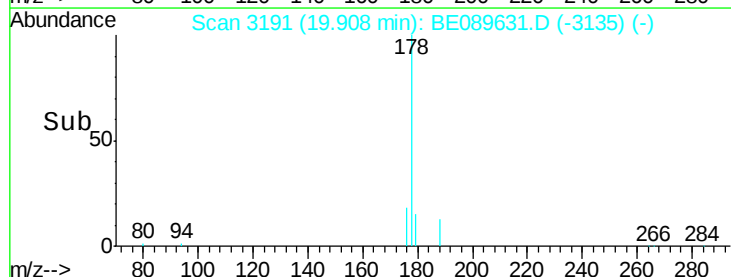
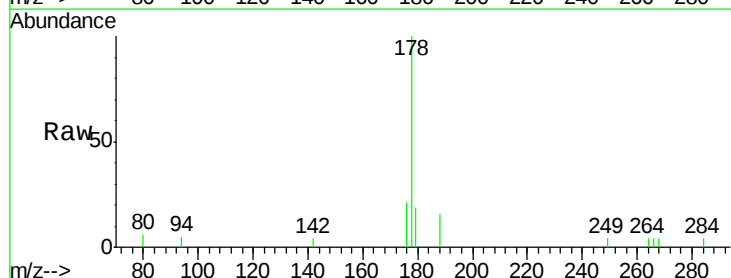
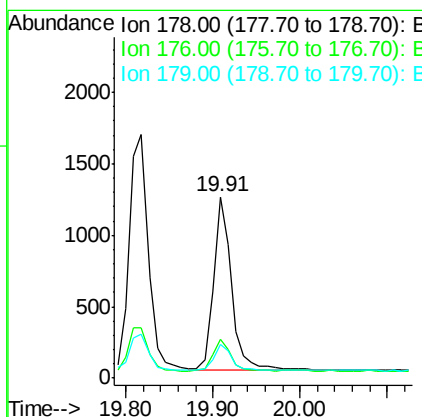
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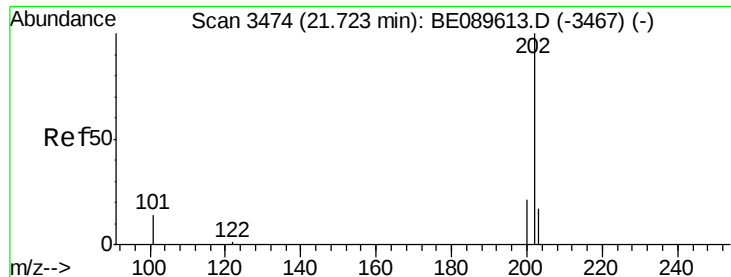
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#17
Anthracene
Concen: 0.06 ng
RT: 19.91 min Scan# 3191
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	22.0
179	14.8	12.3	18.5





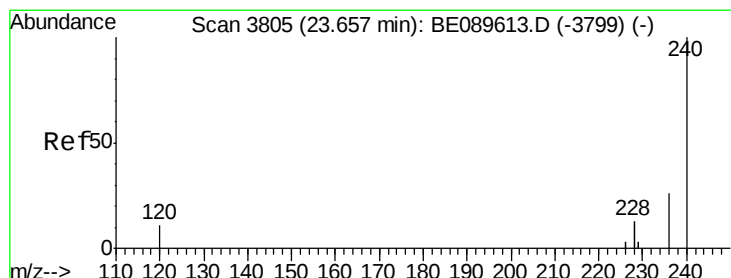
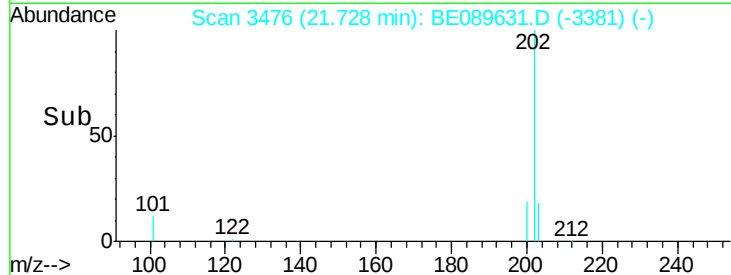
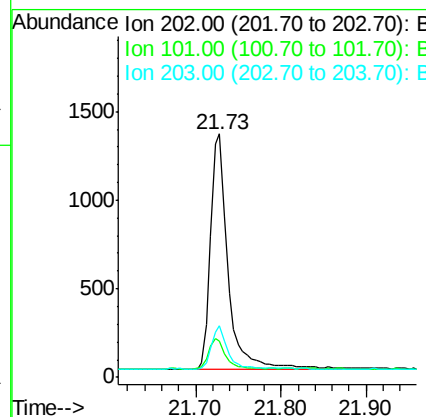
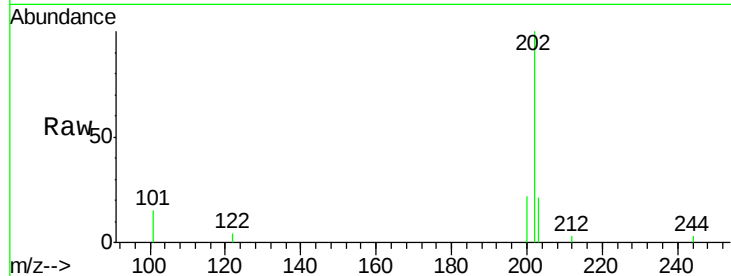
#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.73 min Scan# 3476
 Delta R.T. 0.01 min
 Lab File: BE089631.D
 Acq: 19 Feb 2015 00:14

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.4	15.6
203	17.7	13.9	20.9

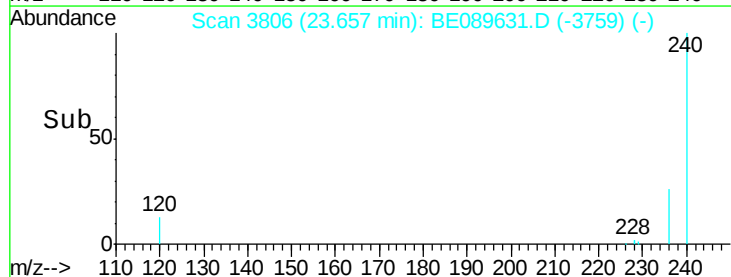
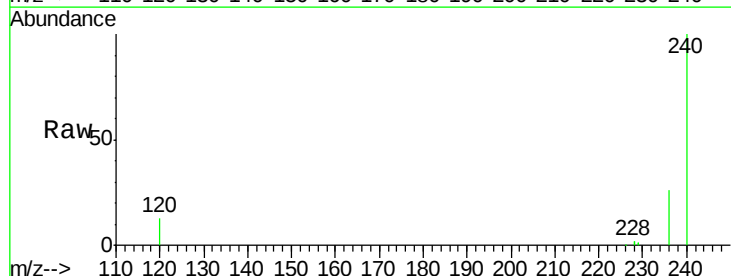
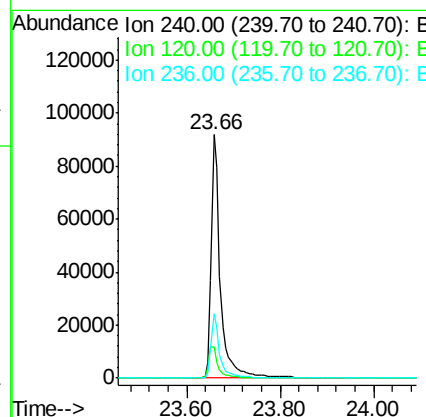
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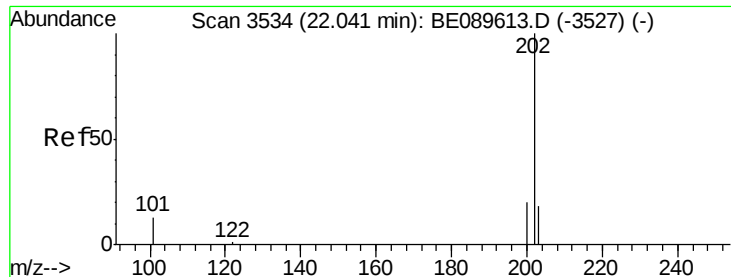
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3806
 Delta R.T. 0.00 min
 Lab File: BE089631.D
 Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.0	13.4
236	26.4	21.0	31.6





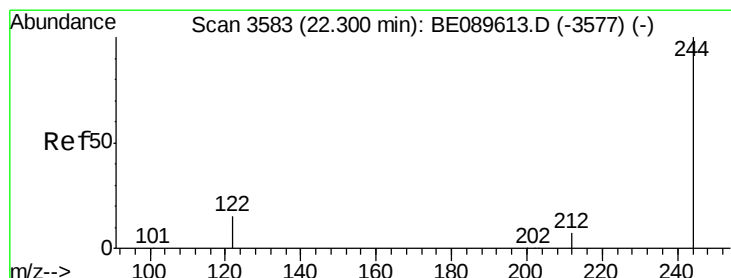
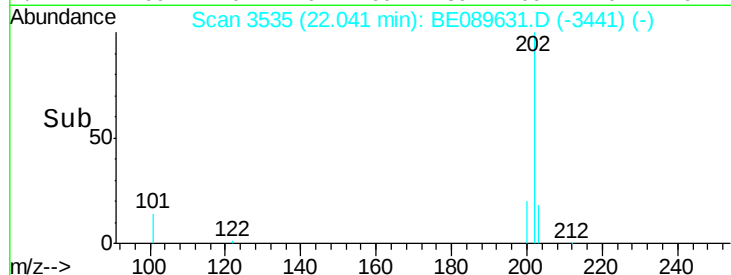
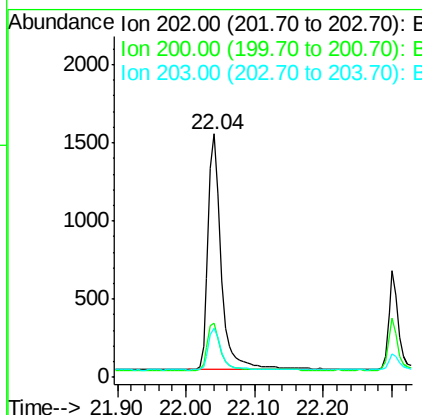
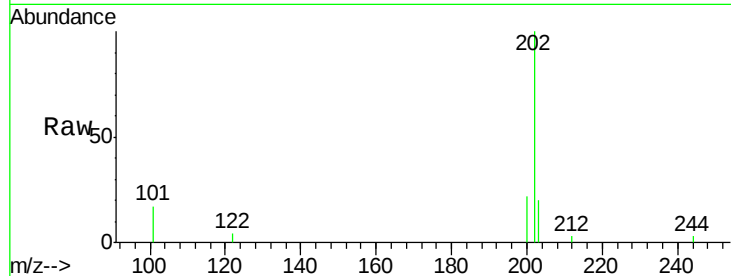
#20
Pyrene
Concen: 0.07 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.3	24.5
203	18.0	13.8	20.8

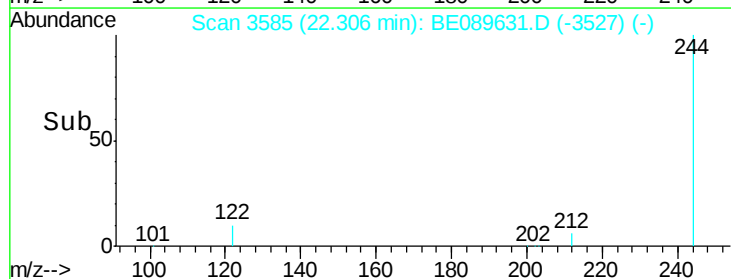
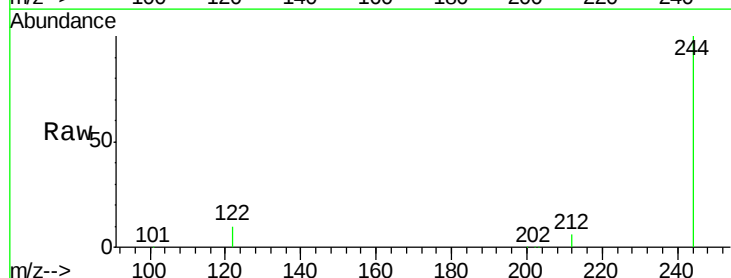
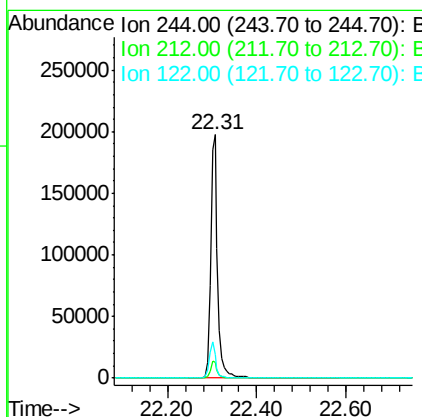
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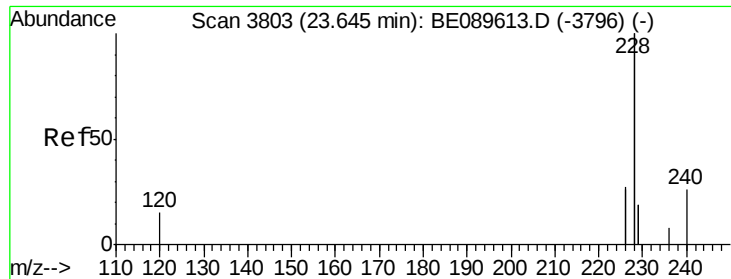
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#21
Terphenyl-d14
Concen: 11.86 ng
RT: 22.31 min Scan# 3585
Delta R.T. 0.01 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	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: BE089631.D

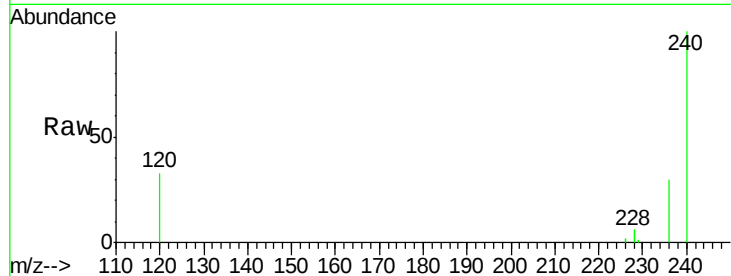
Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

ClientSampleId :

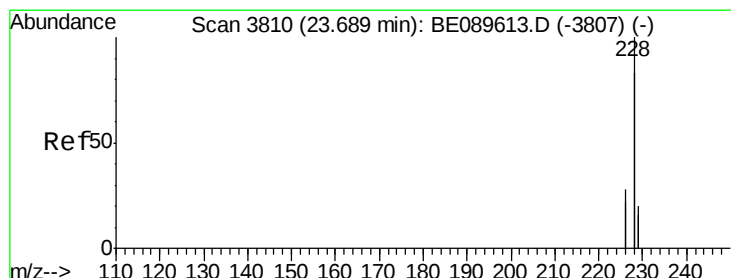
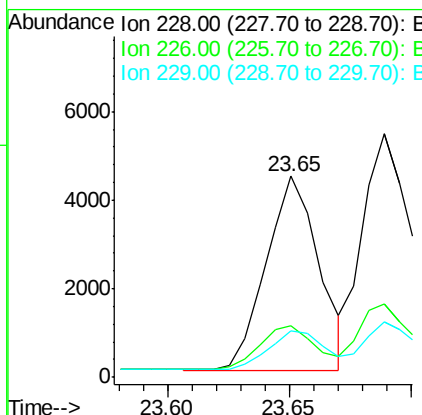
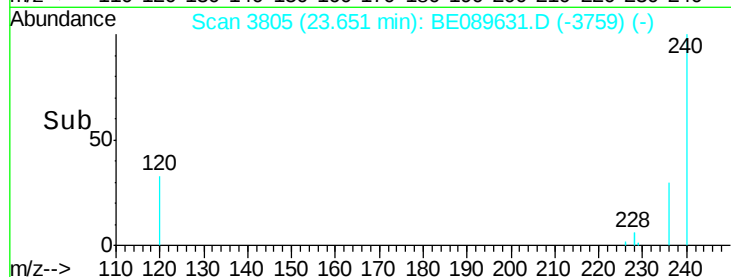
MDL-03-S



Tgt Ion:	228	Resp:	6599
Ion Ratio	Lower	Upper	
228	100		
226	26.0	21.2	31.8
229	23.2	15.2	22.8

Manual Integrations
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#23

Chrysene

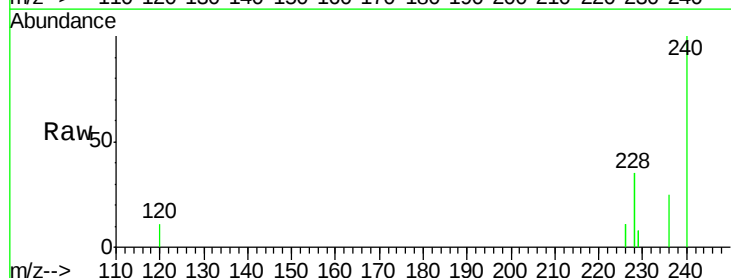
Concen: 0.09 ng

RT: 23.69 min Scan# 3811

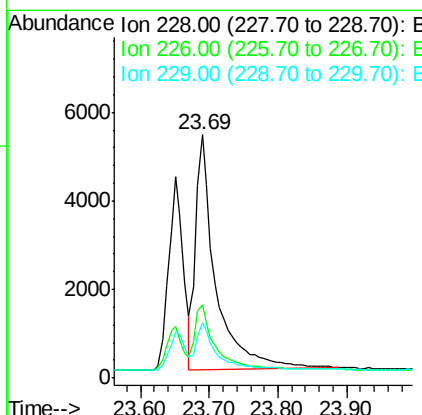
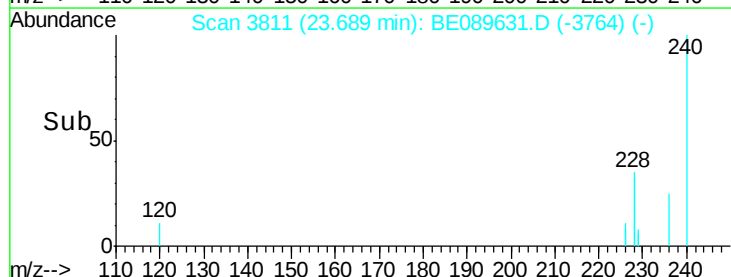
Delta R.T. 0.00 min

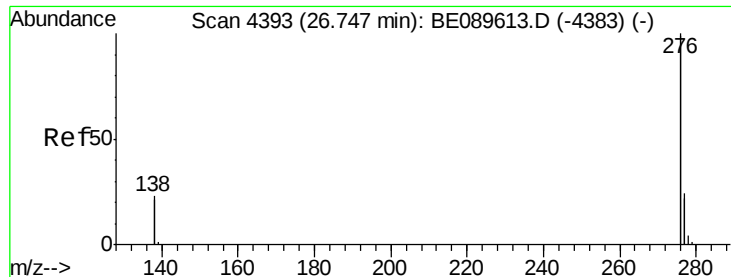
Lab File: BE089631.D

Acq: 19 Feb 2015 00:14



Tgt Ion:	228	Resp:	10757
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.2	33.4
229	22.8	16.0	24.0





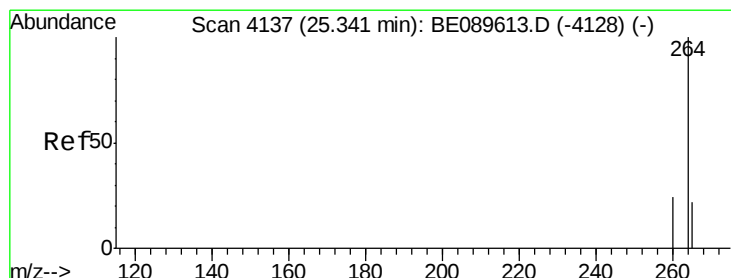
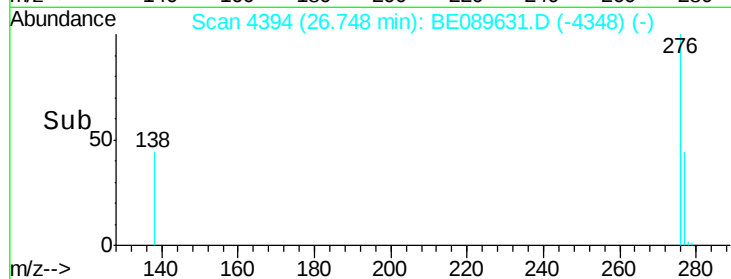
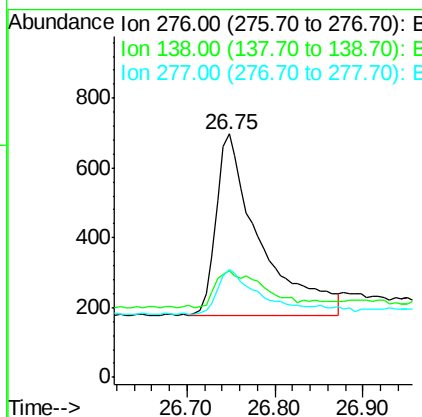
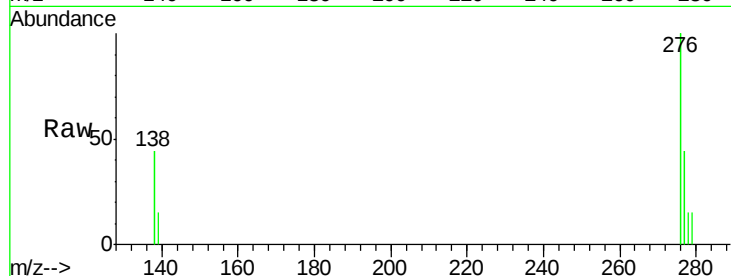
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 26.75 min Scan# 4394
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	21.4	32.2
277	23.9	19.9	29.9

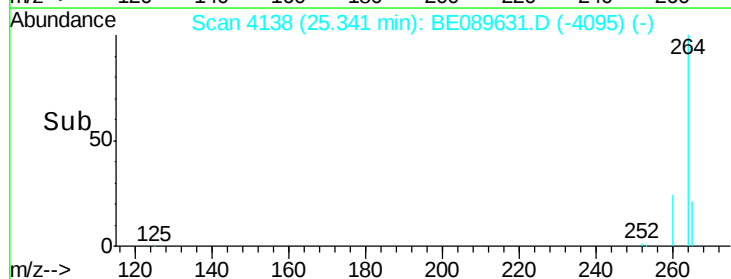
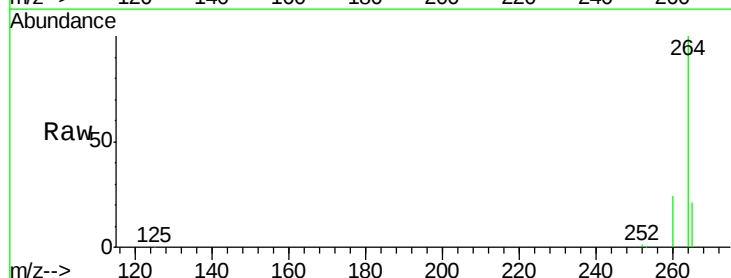
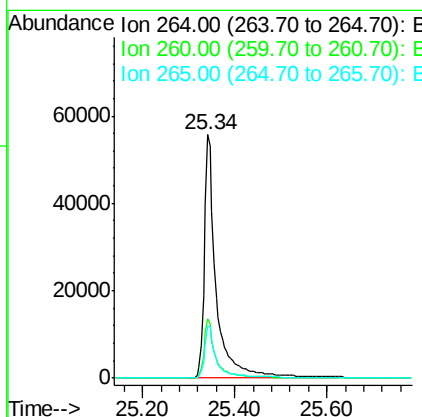
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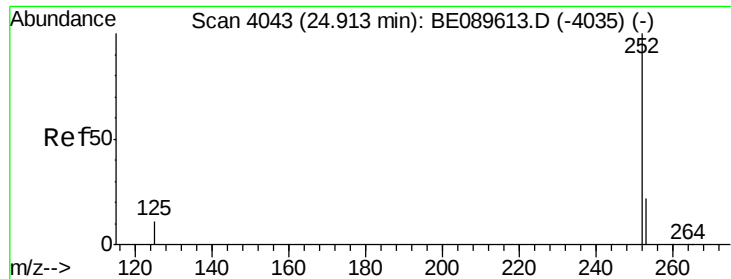
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#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.0	17.4	26.0





#26

Benzo(b)fluoranthene

Concen: 0.29 ng

RT: 24.91 min Scan# 4044

Delta R.T. 0.00 min

Lab File: BE089631.D

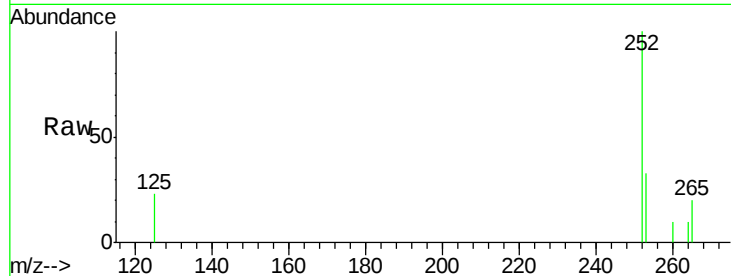
Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

ClientSampleId :

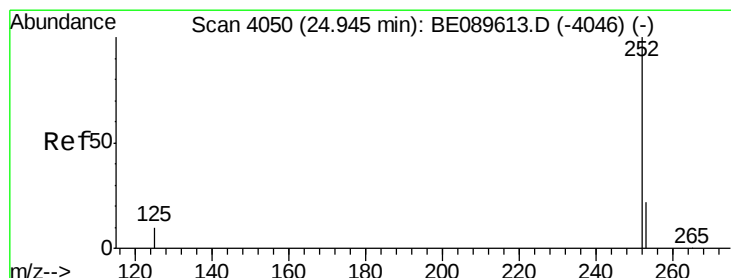
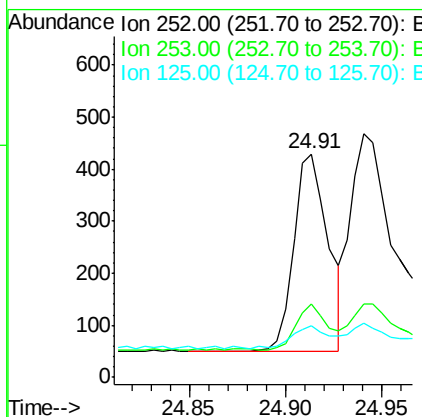
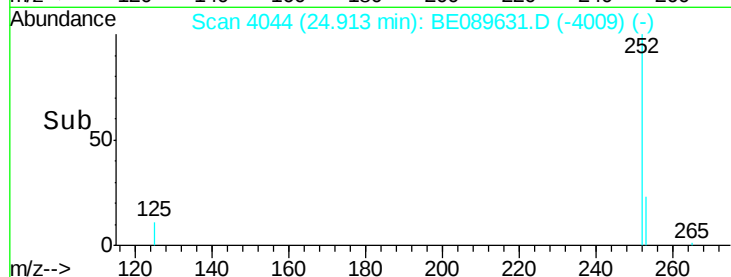
MDL-03-S



Tgt Ion:	252	Resp:	475
Ion Ratio	Lower	Upper	
252	100		
253	32.6	17.6	26.4#
125	23.0	8.8	13.2#

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#27

Benzo(k)fluoranthene

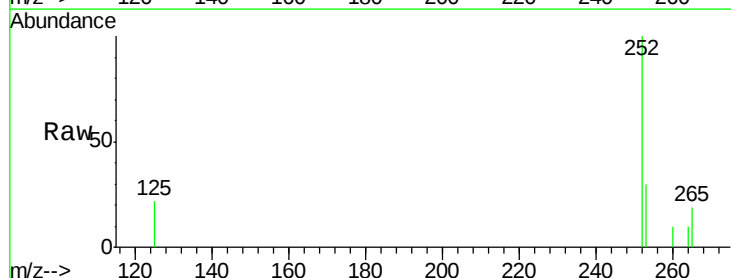
Concen: 0.03 ng m

RT: 24.94 min Scan# 4050

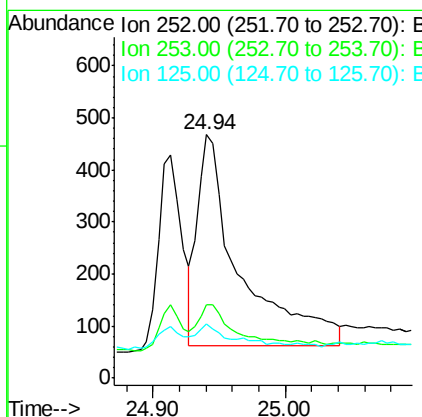
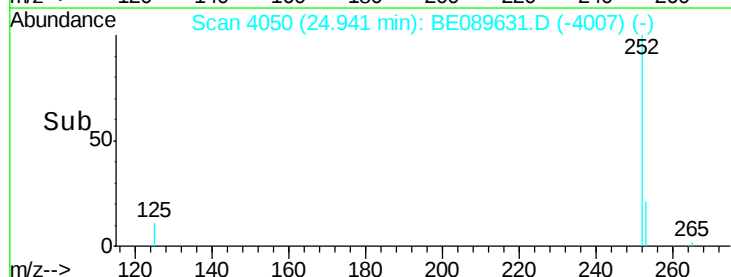
Delta R.T. -0.00 min

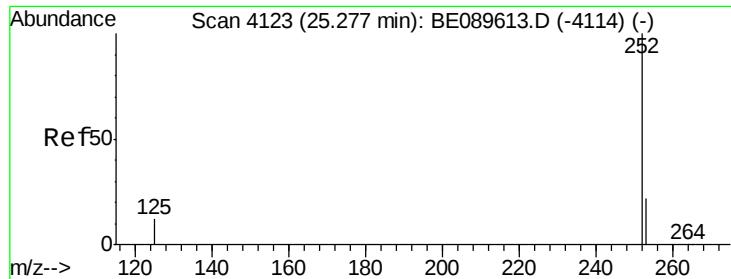
Lab File: BE089631.D

Acq: 19 Feb 2015 00:14



Tgt Ion:	252	Resp:	906
Ion Ratio	Lower	Upper	
252	100		
253	30.1	17.7	26.5#
125	22.2	8.8	13.2#





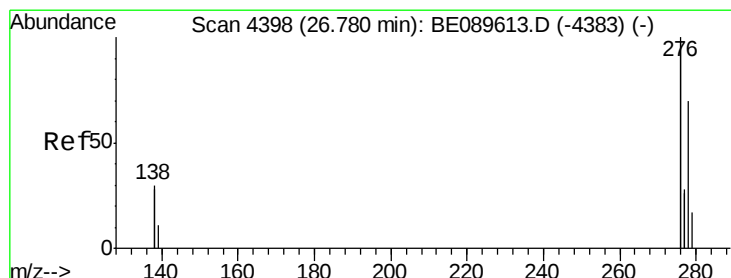
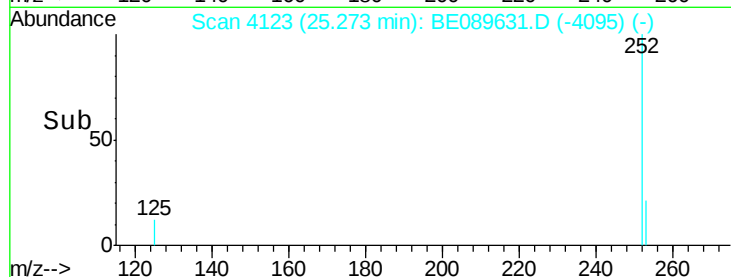
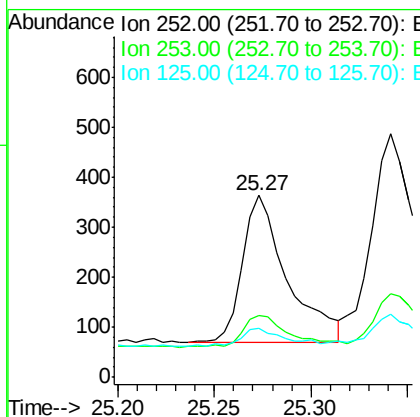
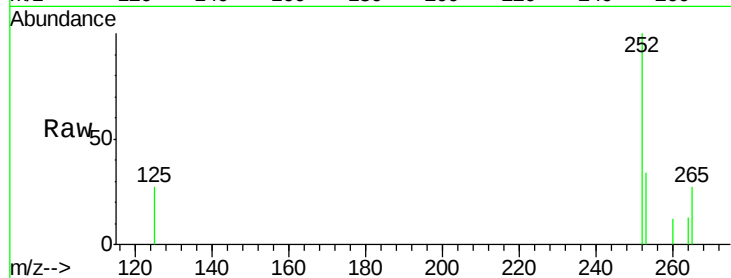
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Instrument :
BNA_E
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.1	18.1	27.1#
125	26.9	9.6	14.4#

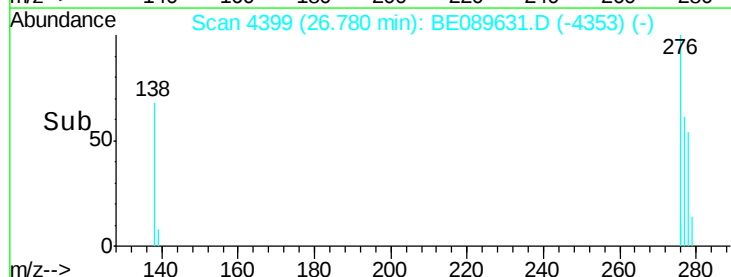
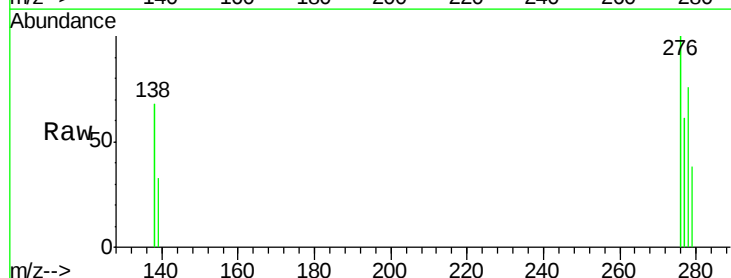
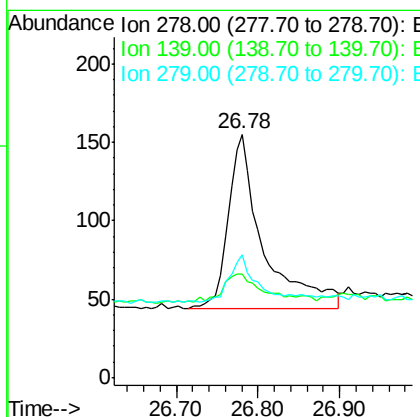
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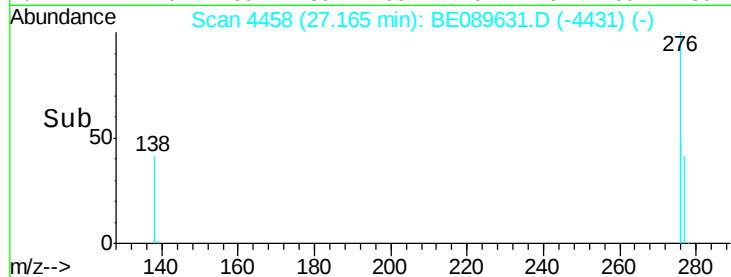
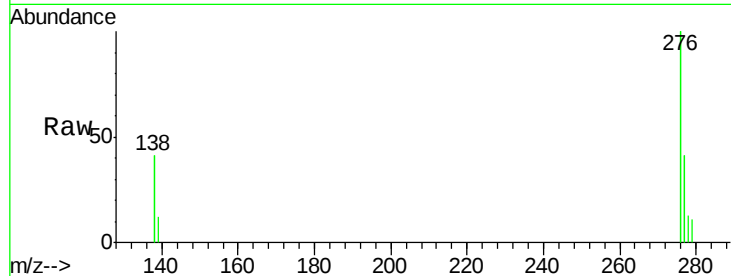
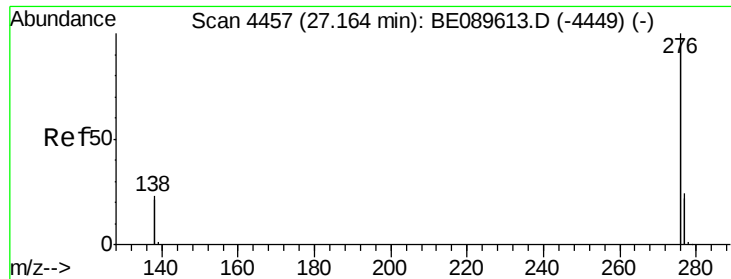
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#29
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 26.78 min Scan# 4399
Delta R.T. 0.00 min
Lab File: BE089631.D
Acq: 19 Feb 2015 00:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.6	13.7	20.5#
279	50.3	19.7	29.5#





#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.17 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BE089631.D

Acq: 19 Feb 2015 00:14

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

Tgt Ion: 276 Resp: 2788

Ion Ratio Lower Upper

276 100

277 40.9 19.1 28.7#

138 40.7 18.7 28.1#

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