

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103017\
 Data File : BE094649.D
 Acq On : 30 Oct 2017 18:53
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Manual Integrations
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Quant Time: Oct 31 01:38:47 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1406	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8273	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	7925	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	8560	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9329	0.40	ng	0.00
34) Perylene-d12	23.96	264	8766	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.54	112	606	0.13	ng	0.01
5) Phenol-d6	7.12	99	715	0.10	ng	-0.01
8) Nitrobenzene-d5	9.06	82	1773	0.27	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	6633	0.50	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	434	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7389	0.26	ng	-0.02
25) Fluoranthene-d10	19.28	212	45104	0.43	ng	0.00
29) Terphenyl-d14	19.86	244	8677	0.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.72	128	36710	0.392	ng	# 58
17) Acenaphthene	14.57	154	36468	1.357	ng	# 61
18) Fluorene	15.56	166	95759	2.781	ng	# 59
26) Fluoranthene	19.31	202	9951	0.289	ng	# 87
28) Pyrene	19.67	202	48862	1.497	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.28	149	21029	0.282	ng	97
33) Indeno(1,2,3-cd)pyrene	26.67	276	618	0.022	ng	# 87
35) Benzo(b)fluoranthene	23.19	252	1728	0.061	ng	94

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

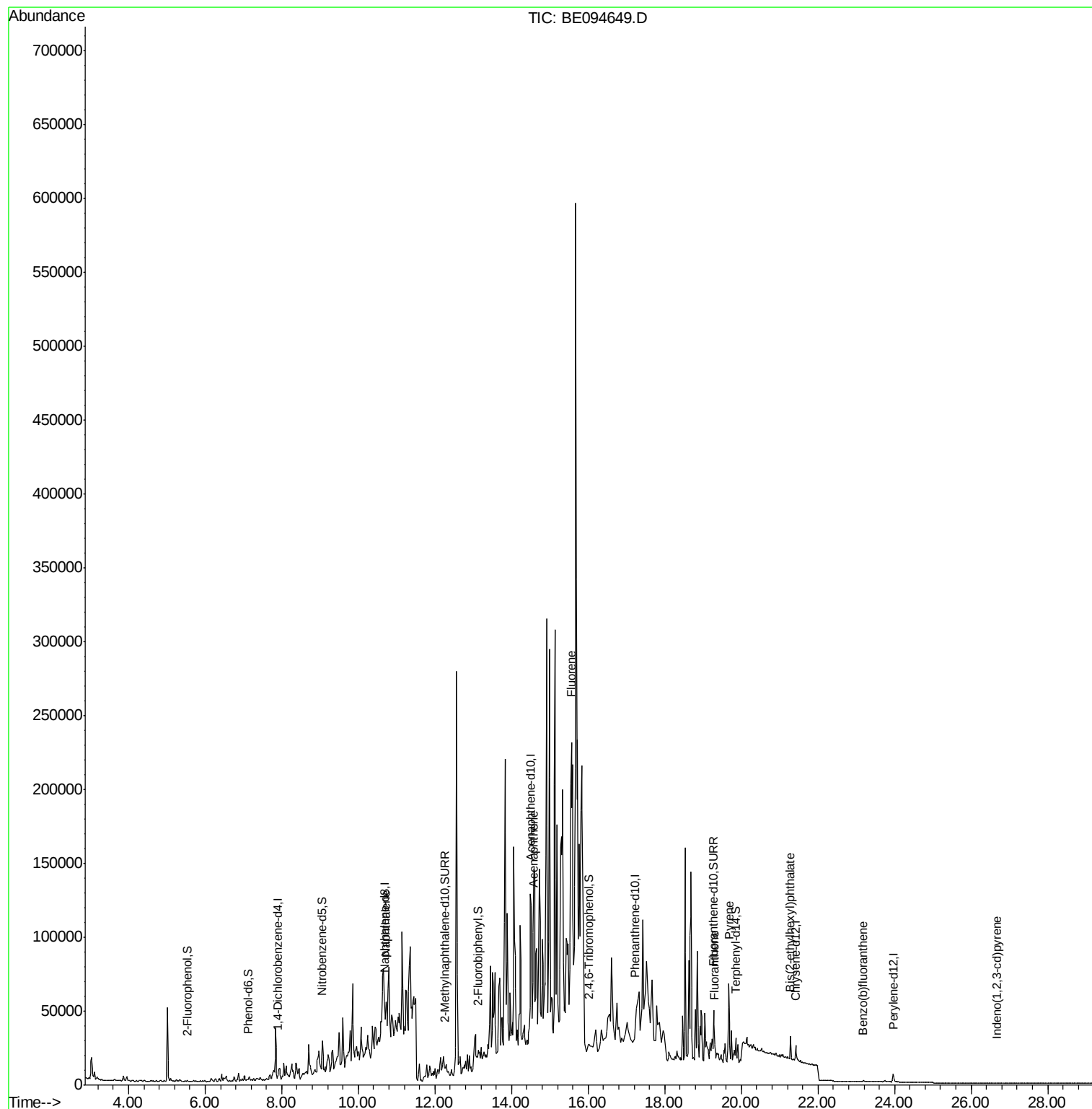
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103017\
Data File : BE094649.D
Acq On : 30 Oct 2017 18:53
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

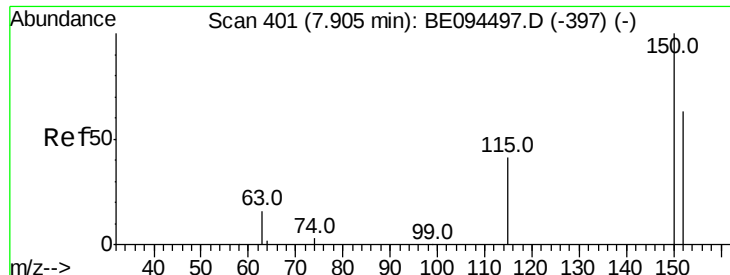
Instrument :
BNA_E
ClientSampleId :
MW-3

Quant Time: Oct 31 01:38:47 2017
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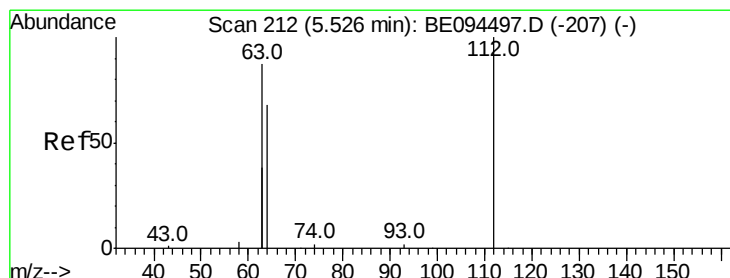
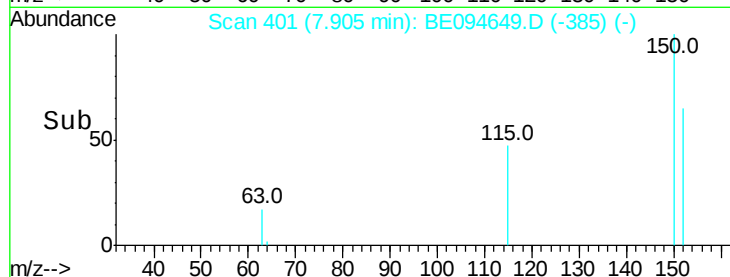
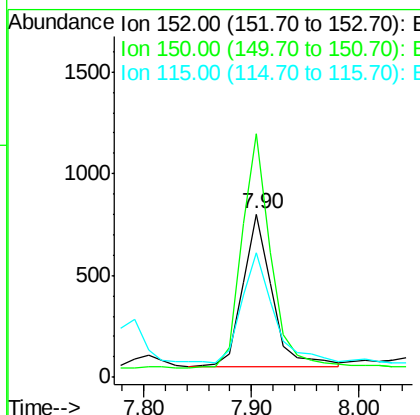
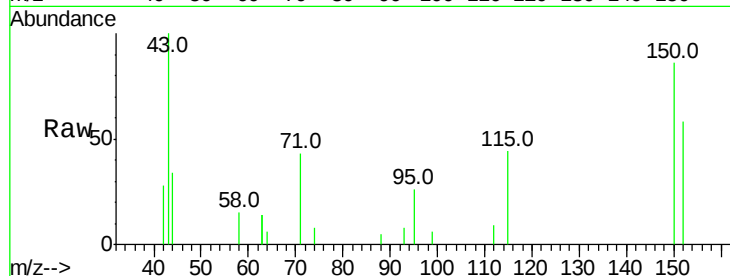
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.90 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	117.2	175.8
115	76.0	57.0	85.6

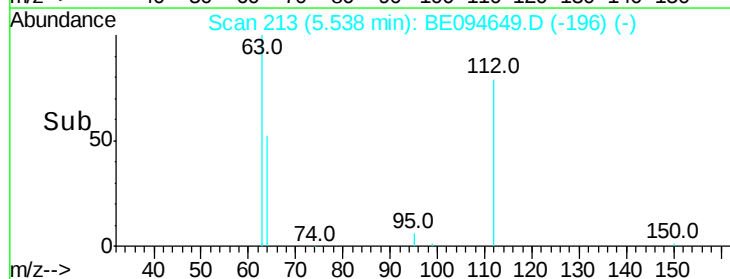
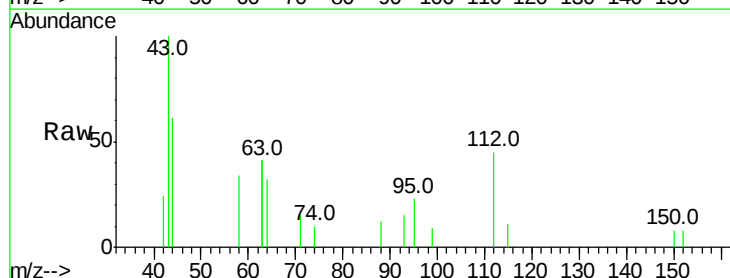
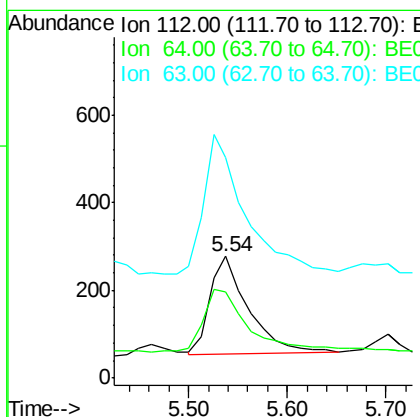
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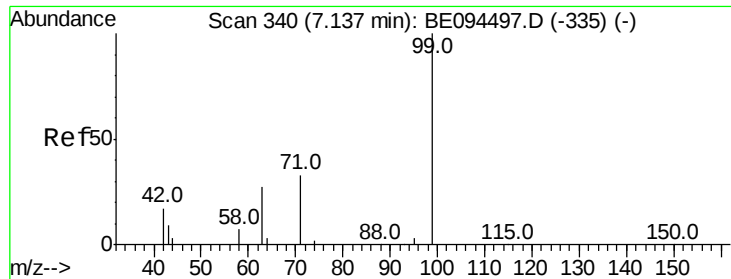
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#4
 2-Fluorophenol
 Concen: 0.126 ng
 RT: 5.54 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.7	60.1	90.1
63	155.6	116.8	175.2





#5

Phenol-d6

Concen: 0.098 ng

RT: 7.12 min Scan# 339

Delta R.T. -0.01 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Instrument :

BNA_E

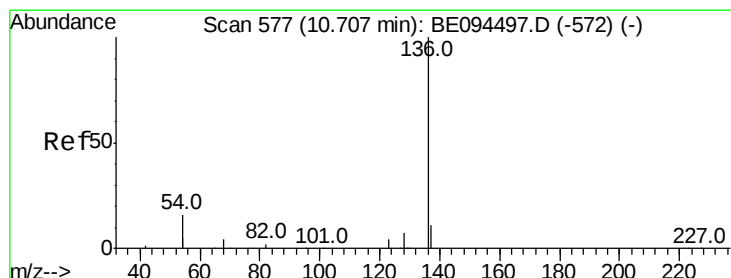
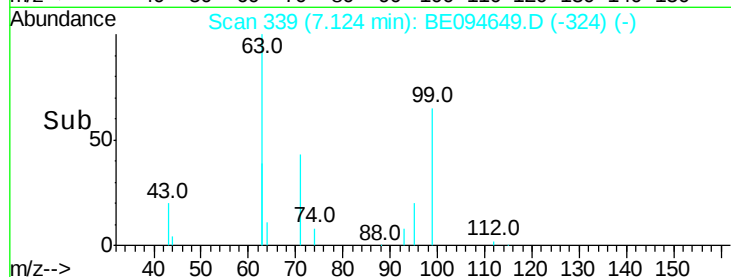
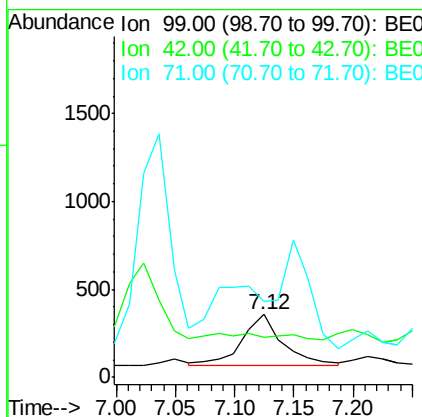
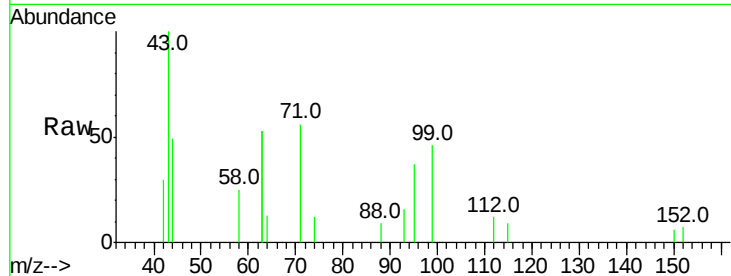
ClientSampled :

MW-3

Tot Ion:	99	Resp:	715
Ion Ratio	Lower	Upper	
99	100		
42	0.0	20.2	30.2#
71	111.9	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

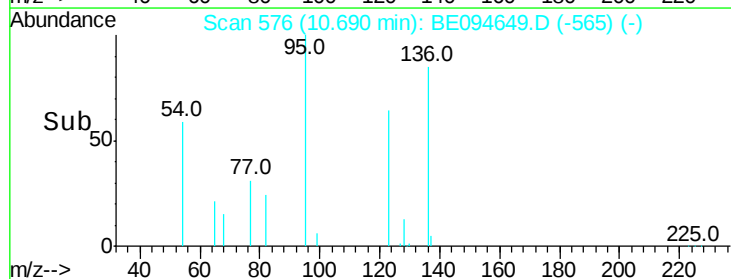
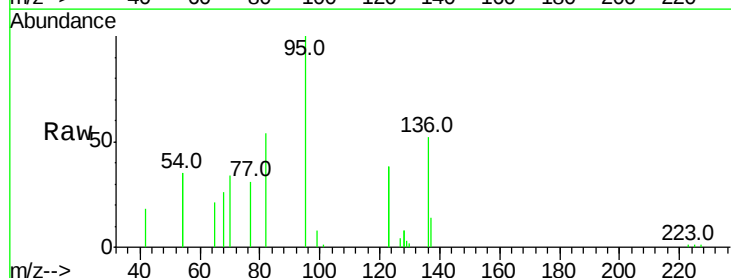
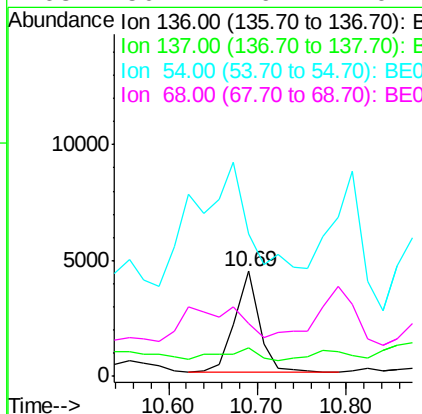
RT: 10.69 min Scan# 576

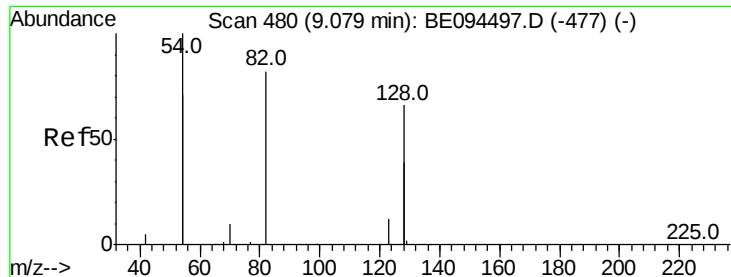
Delta R.T. -0.02 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Tgt Ion:	136	Resp:	8273
Ion Ratio	Lower	Upper	
136	100		
137	27.0	9.5	14.3#
54	135.6	29.1	43.7#
68	50.4	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.268 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Instrument :

BNA_E

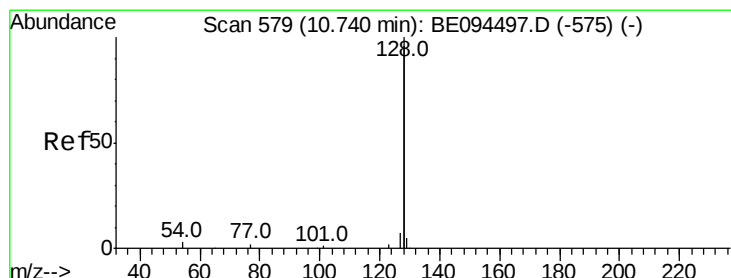
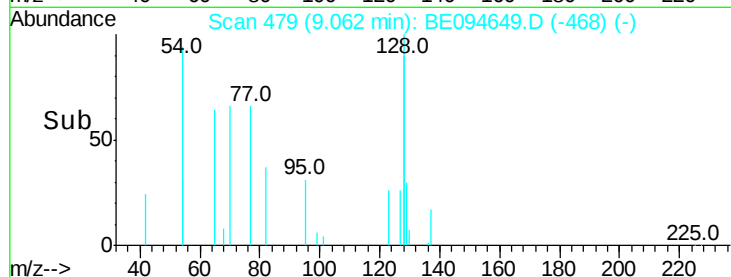
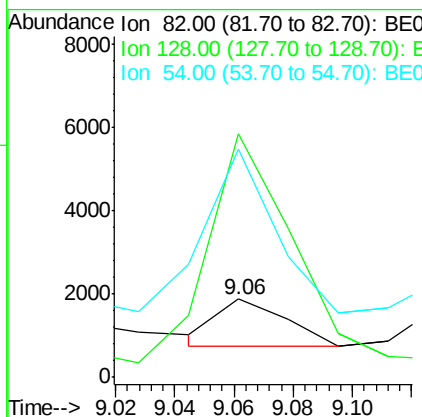
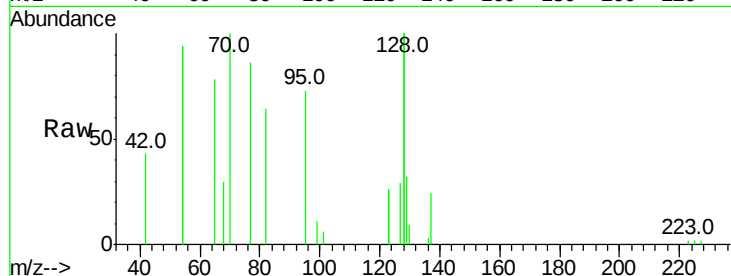
ClientSampleId :

MW-3

Tot Ion:	82	Resp:	1773
Ion Ratio	Lower	Upper	
82	100		
128	310.9	150.0	225.0#
54	291.8	154.2	231.4#

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#9

Naphthalene

Concen: 0.392 ng

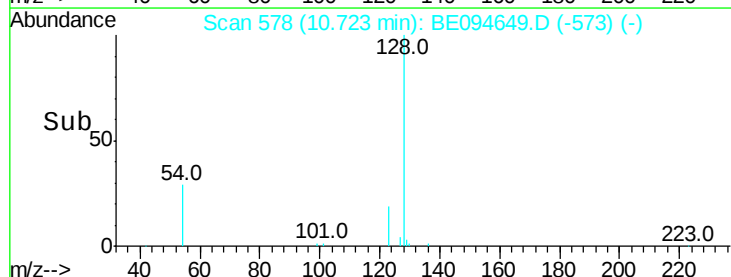
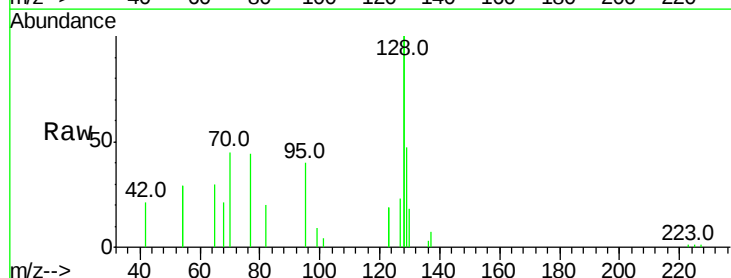
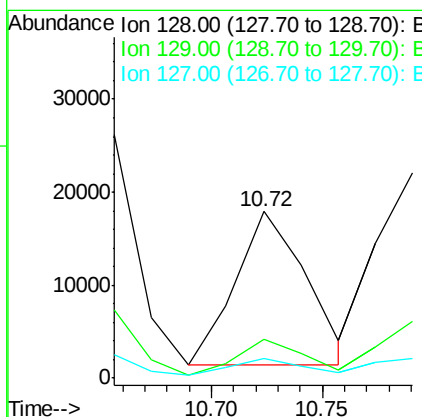
RT: 10.72 min Scan# 578

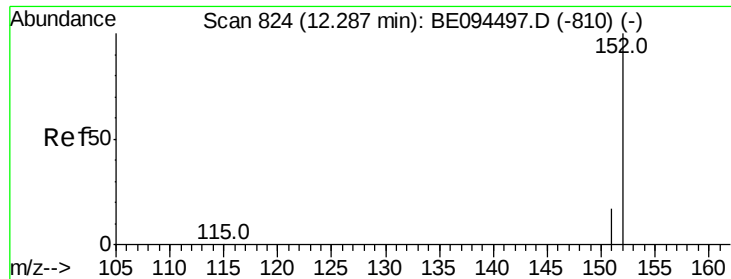
Delta R.T. -0.02 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Tgt Ion:	128	Resp:	36710
Ion Ratio	Lower	Upper	
128	100		
129	23.7	2.6	3.8#
127	11.5	2.8	4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.500 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.01 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Instrument :

BNA_E

ClientSampleId :

MW-3

Tot Ion:152 Resp: 6633

Ion Ratio Lower Upper

152 100

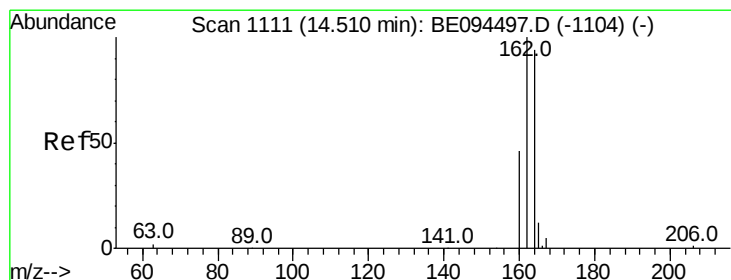
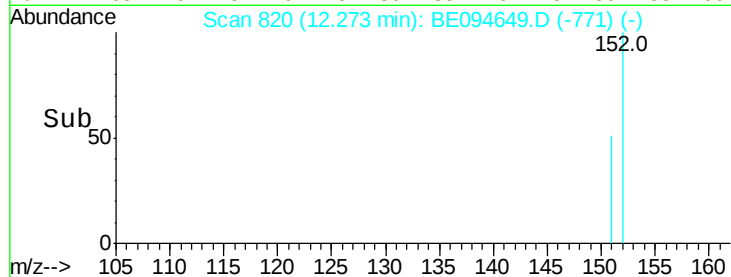
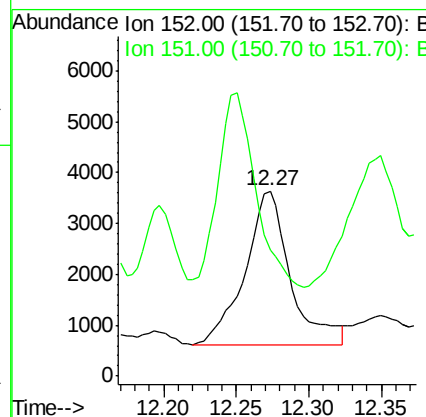
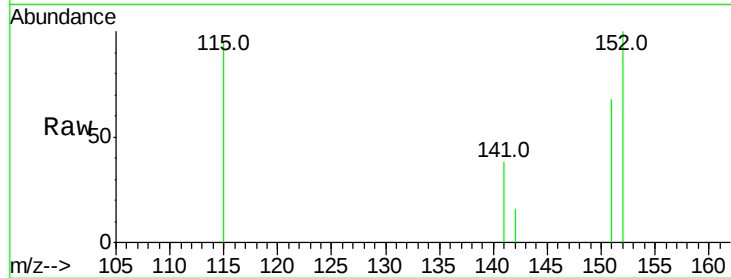
151 0.0 15.4 23.0#

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

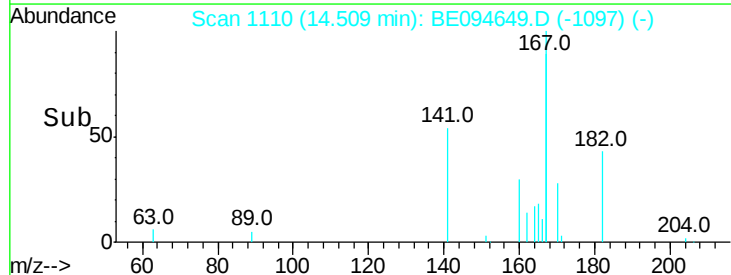
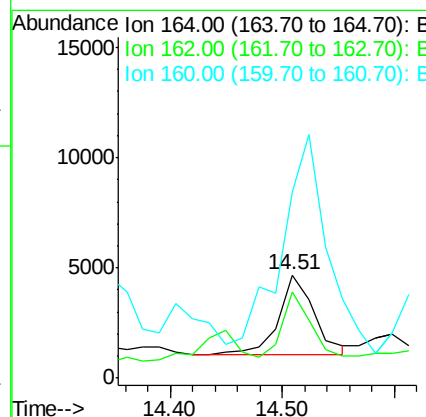
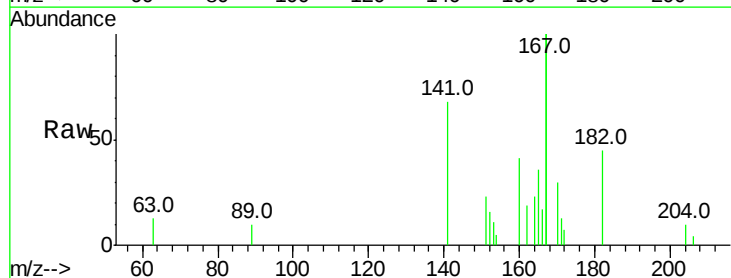
Tgt Ion:164 Resp: 7925

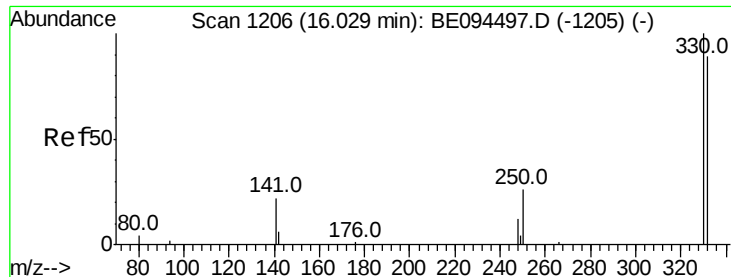
Ion Ratio Lower Upper

164 100

162 83.8 83.1 124.7

160 181.0 37.1 55.7#





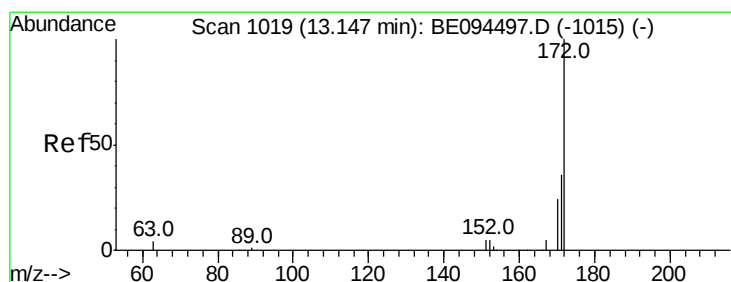
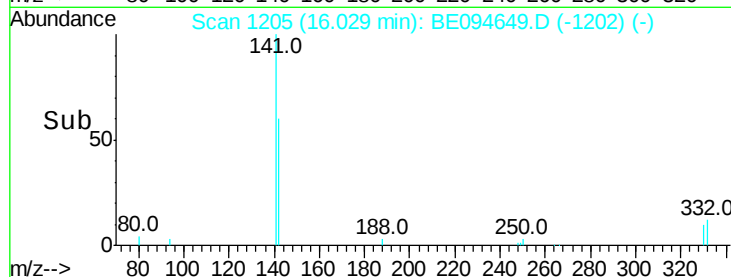
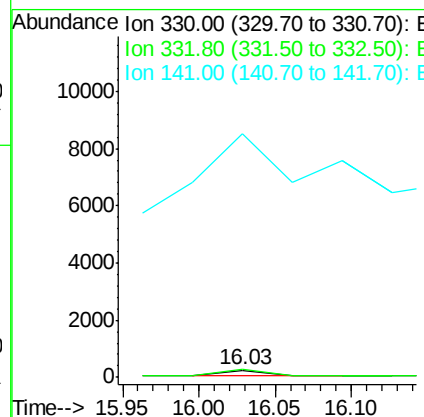
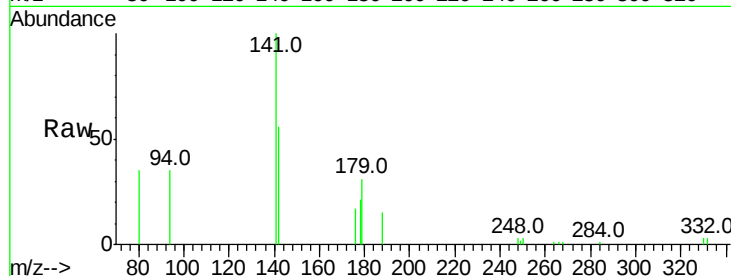
#14
 2,4,6-Tribromophenol
 Concen: 0.199 ng
 RT: 16.03 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Instrument :
 BNA_E
 ClientSampled :
 MW-3

Tot Ion:330 Resp: 434
 Ion Ratio Lower Upper
 330 100
 332 112.2 152.7 229.1#
 141 770.3 33.7 50.5#

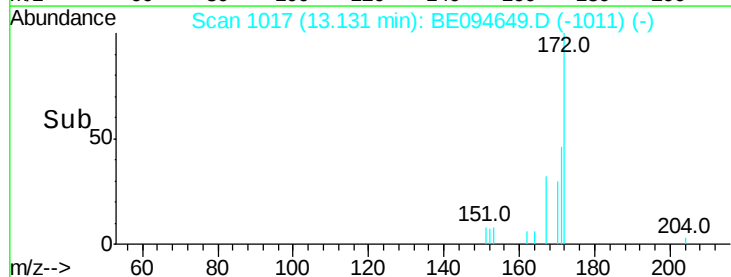
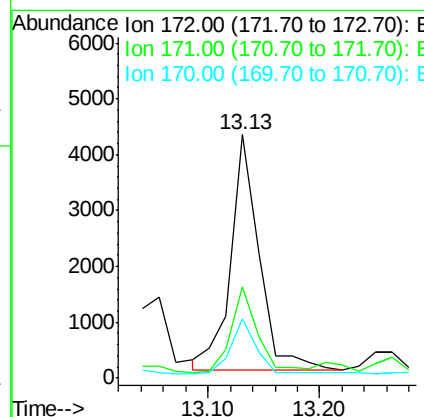
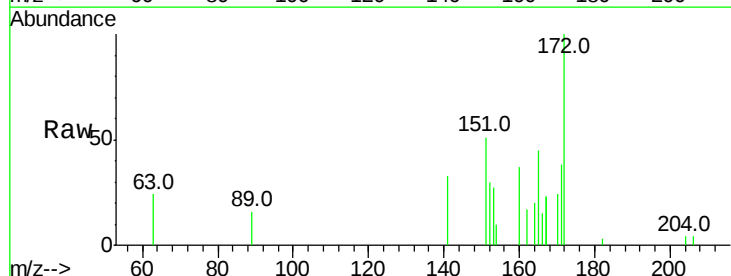
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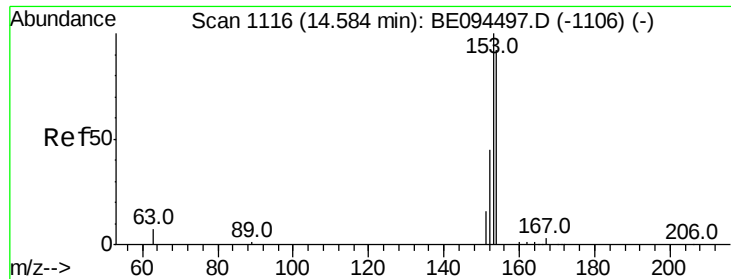
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#15
 2-Fluorobiphenyl
 Concen: 0.265 ng
 RT: 13.13 min Scan# 1017
 Delta R.T. -0.02 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Tgt Ion:172 Resp: 7389
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.9 44.9
 170 24.5 21.8 32.8





#17

Acenaphthene

Concen: 1.357 ng

RT: 14.57 min Scan# 1114

Delta R.T. -0.02 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

Instrument :

BNA_E

ClientSampled :

MW-3

Tot Ion:154 Resp: 36468

Ion Ratio Lower Upper

154 100

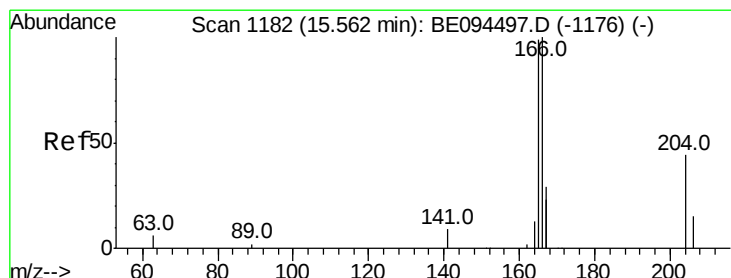
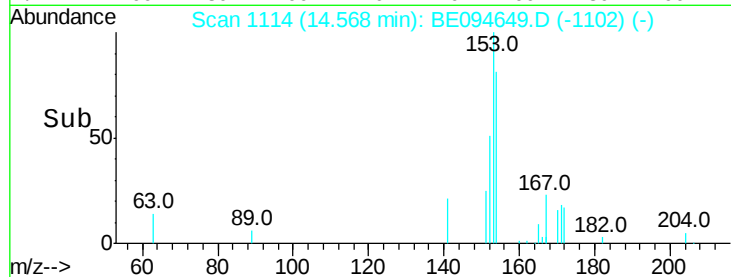
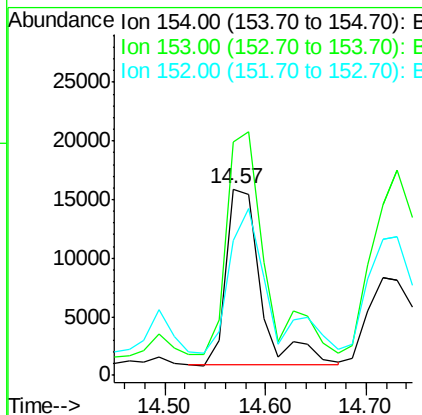
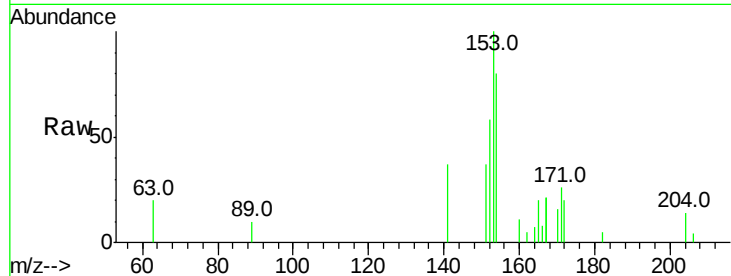
153 142.3 89.2 133.8#

152 94.2 42.0 63.0#

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#18

Fluorene

Concen: 2.781 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE094649.D

Acq: 30 Oct 2017 18:53

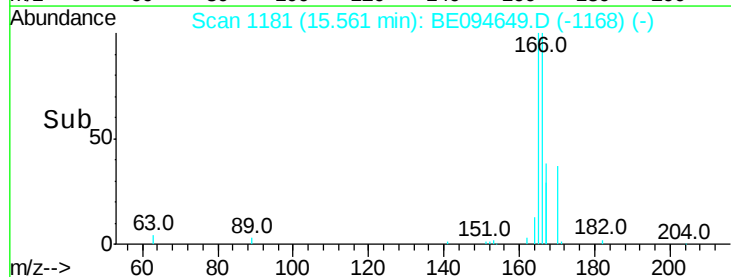
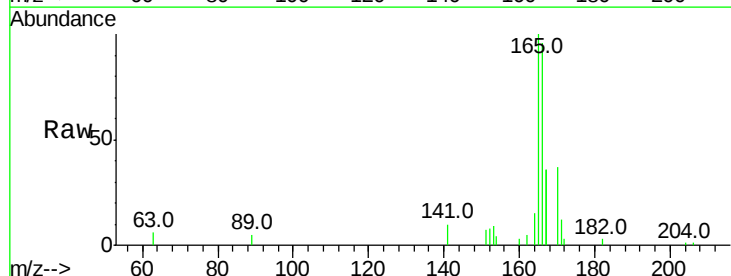
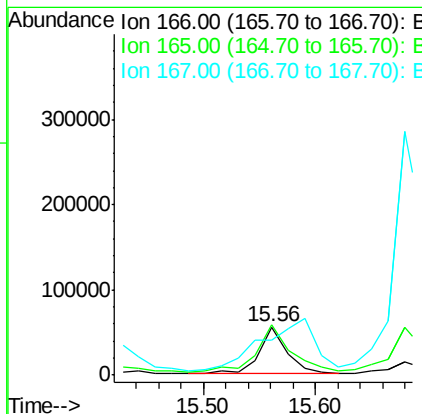
Tgt Ion:166 Resp: 95759

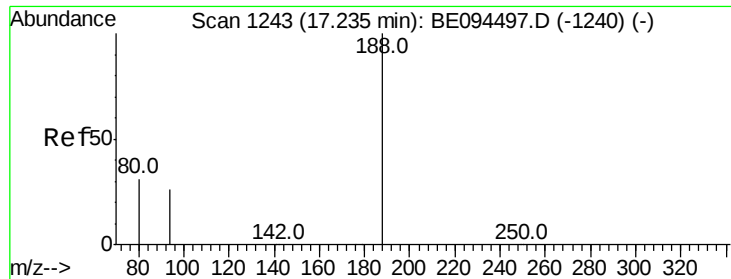
Ion Ratio Lower Upper

166 100

165 119.8 77.8 116.6#

167 0.0 42.4 63.6#





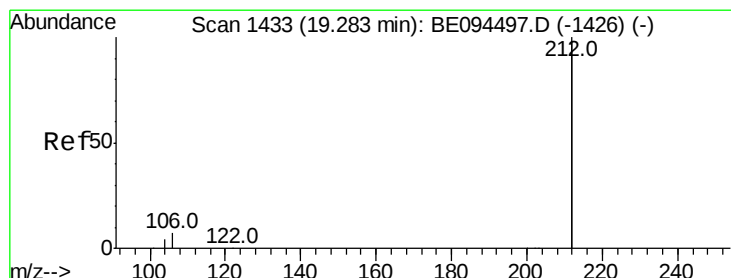
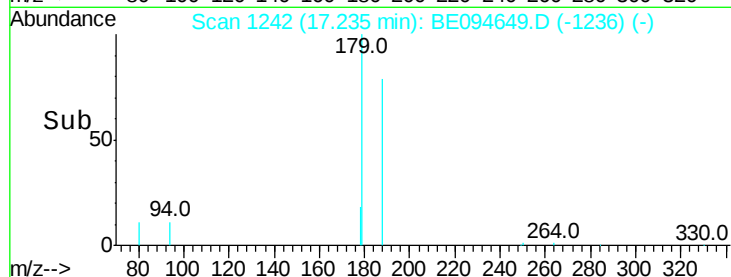
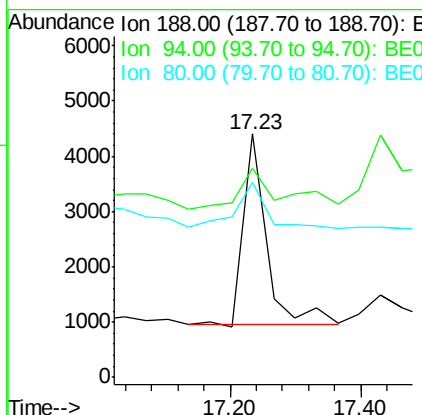
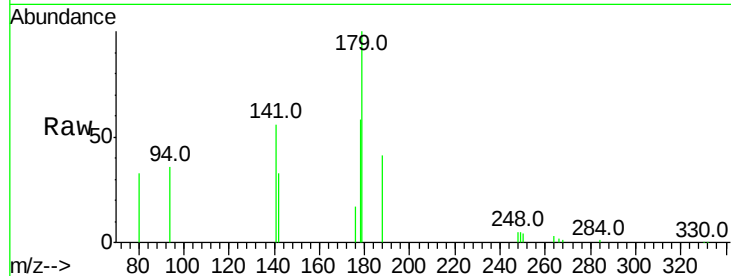
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Instrument :
BNA_E
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
188	100		
94	85.9	3.9	5.9#
80	79.9	3.6	5.4#

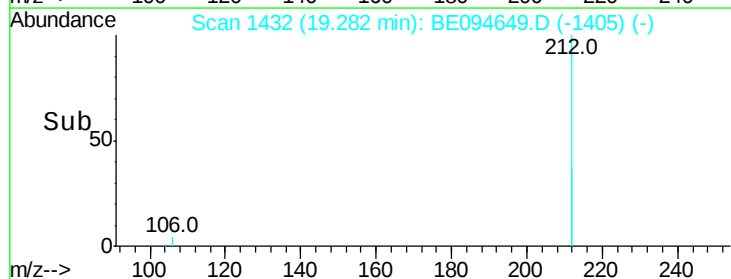
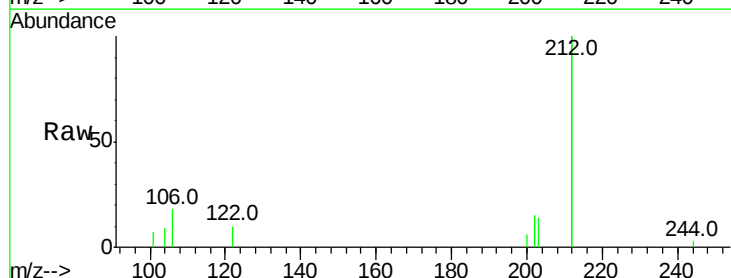
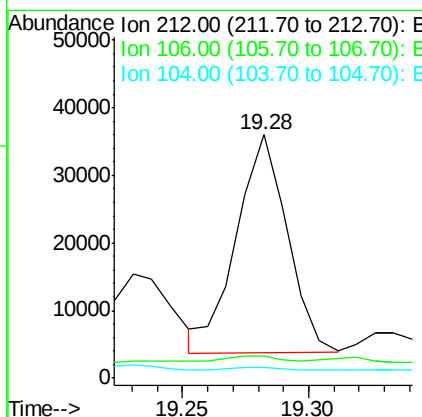
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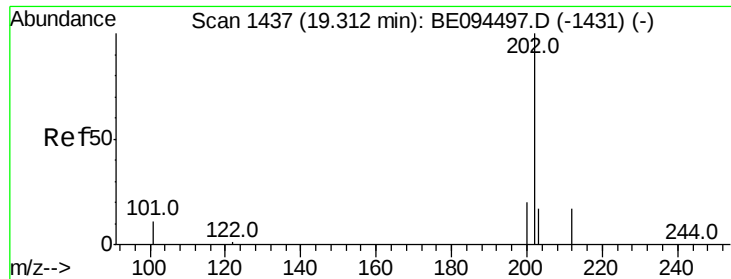
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#25
Fluoranthene-d10
Concen: 0.435 ng
RT: 19.28 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.6	2.8	4.2#
104	1.4	1.6	2.4#





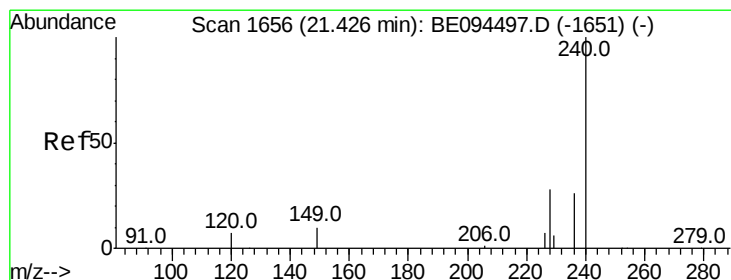
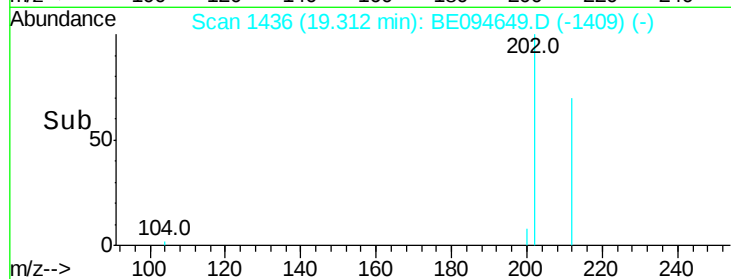
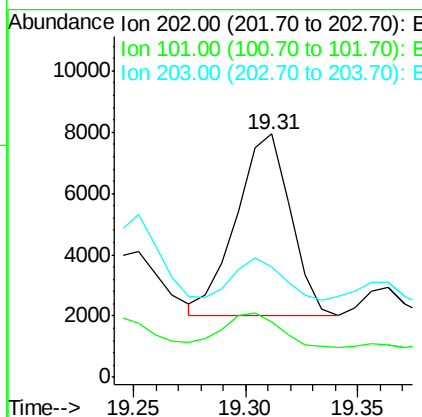
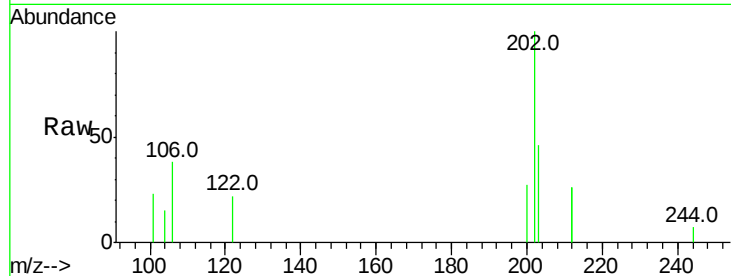
#26
 Fluoranthene
 Concen: 0.289 ng
 RT: 19.31 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Instrument :
 BNA_E
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
202	100		
101	19.9	9.8	14.8#
203	20.4	13.7	20.5

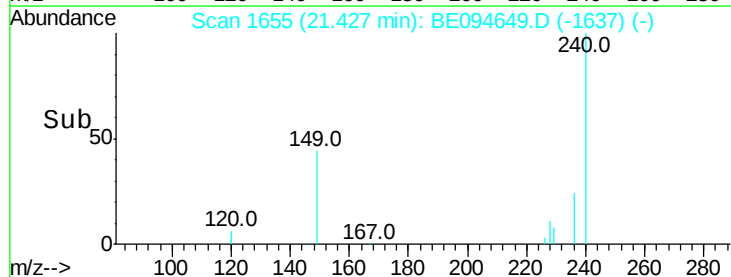
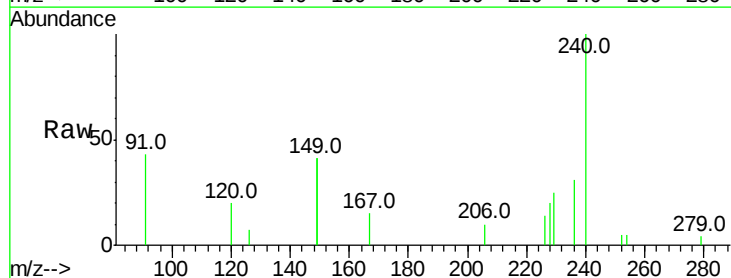
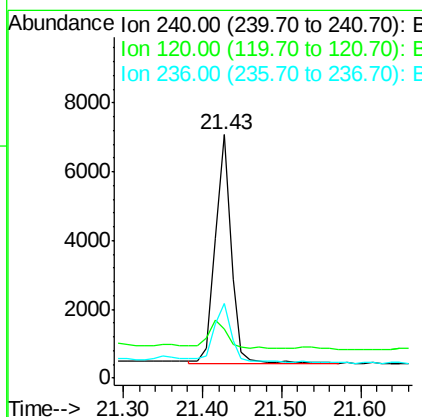
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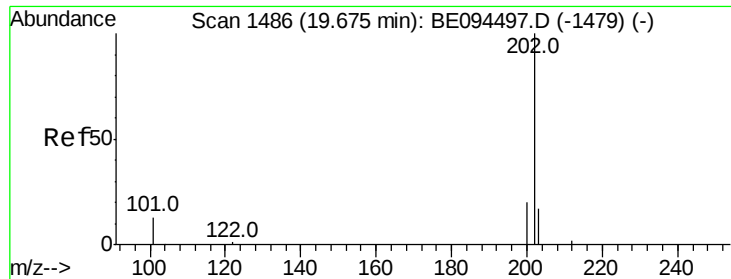
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.0	5.5	8.3#
236	30.9	20.7	31.1





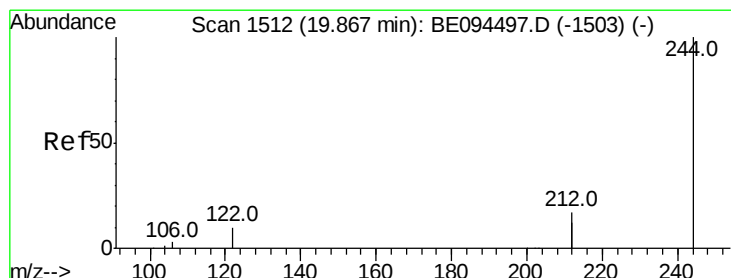
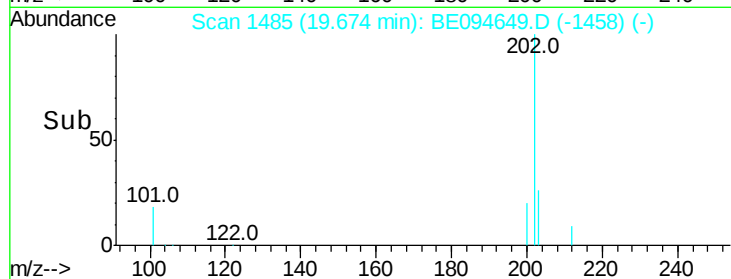
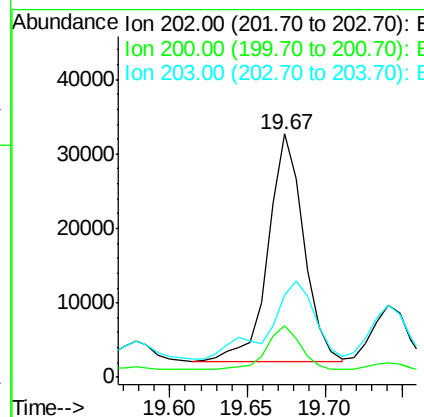
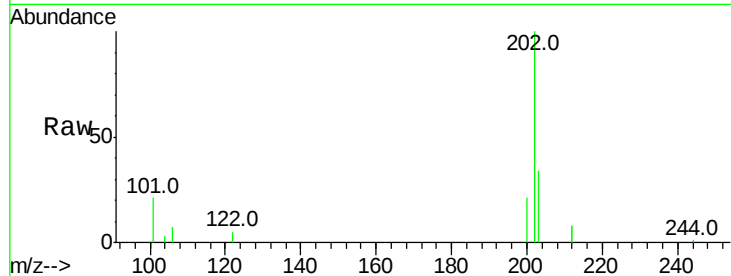
#28
Pvrene
Concen: 1.497 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Instrument :
BNA_E
ClientSampled :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100	48862		
200	18.9		16.6	25.0
203	43.9		13.8	20.8

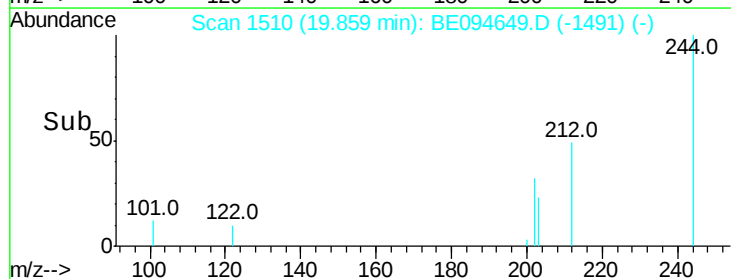
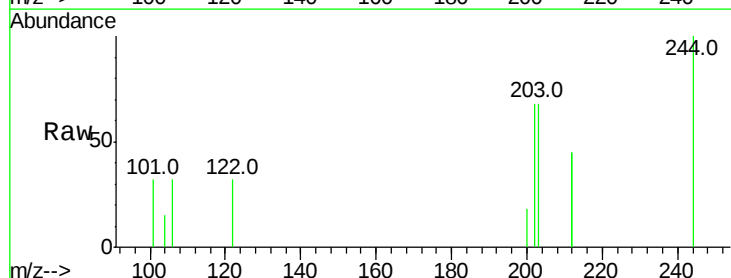
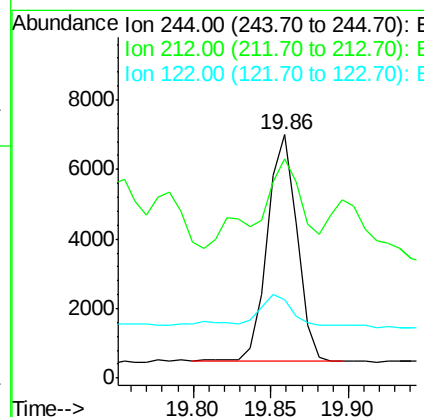
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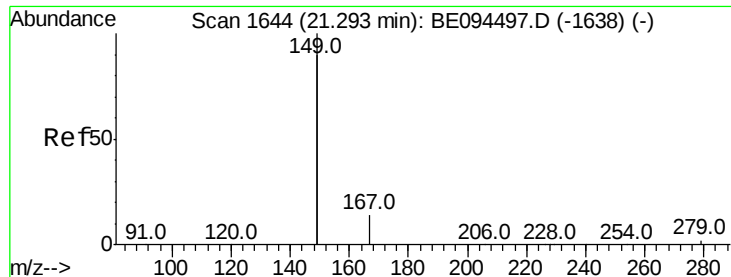
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#29
Terphenyl-d14
Concen: 0.493 ng
RT: 19.86 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	8677		
212	90.2		25.4	38.0
122	32.1		8.1	12.1





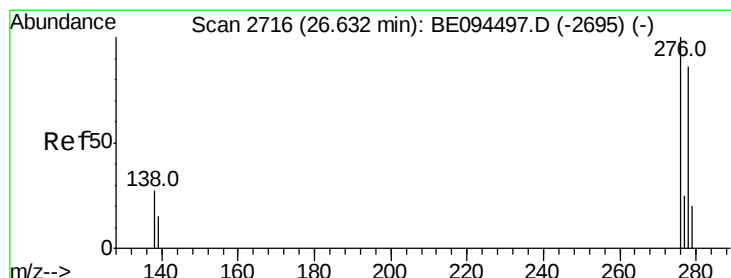
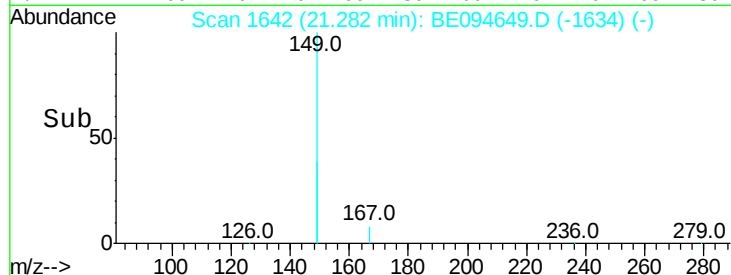
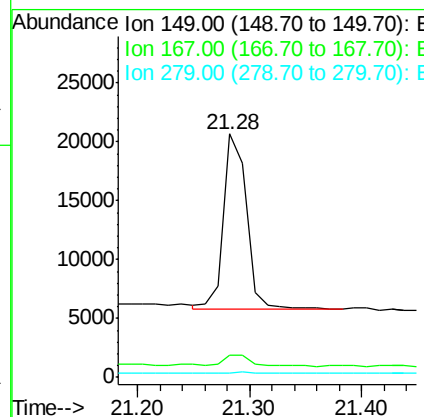
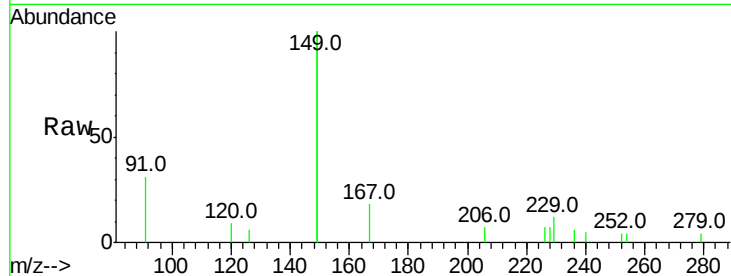
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.282 ng
 RT: 21.28 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Instrument :
 BNA_E
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.0	5.4	8.0
279	1.1	0.7	1.1

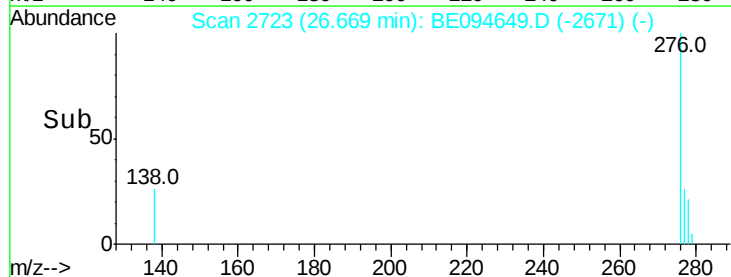
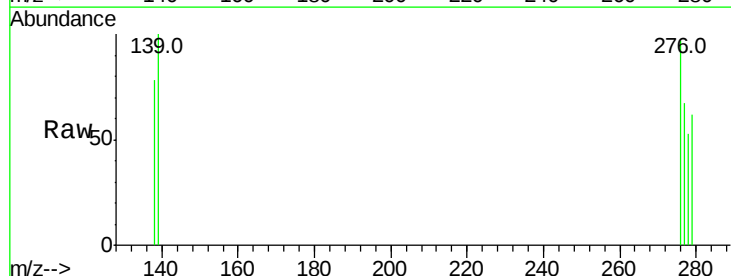
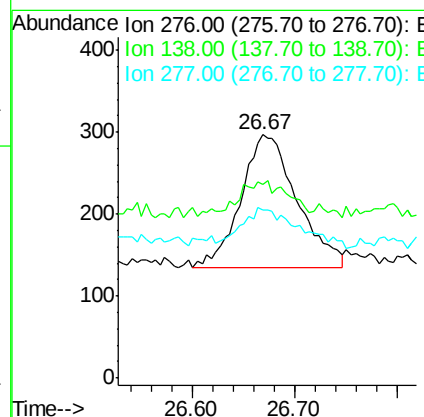
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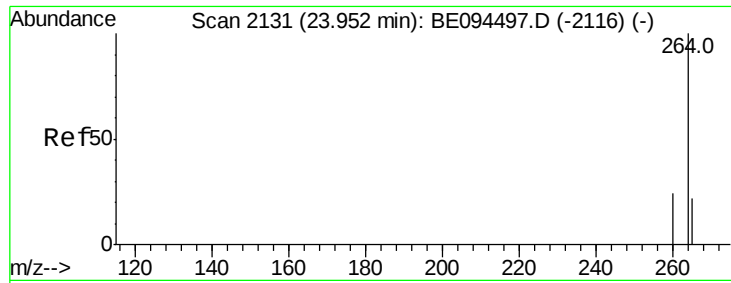
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 10/31/2017 7:37:54 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.022 ng
 RT: 26.67 min Scan# 2723
 Delta R.T. 0.04 min
 Lab File: BE094649.D
 Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	22.5	33.7#
277	30.4	19.9	29.9#





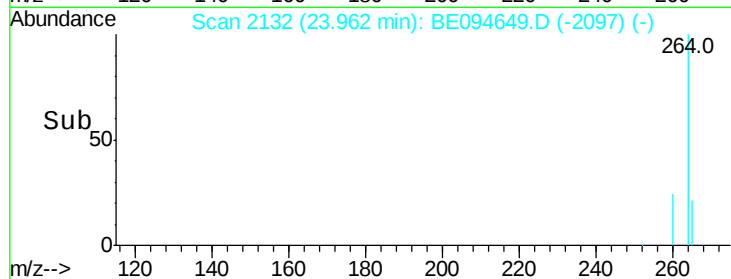
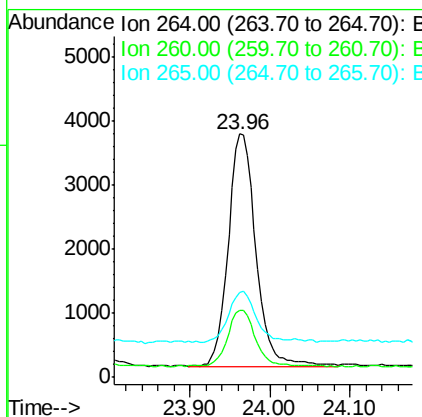
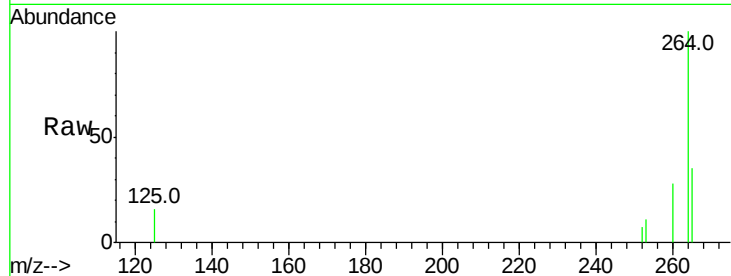
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Instrument :
BNA_E
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.5	30.7
265	34.7	22.8	34.2

Manual Integrations
APPROVED

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#35
Benzo(b)fluoranthene
Concen: 0.061 ng
RT: 23.19 min Scan# 1962
Delta R.T. 0.01 min
Lab File: BE094649.D
Acq: 30 Oct 2017 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	61.8	48.0	72.0
125	77.2	56.0	84.0

