

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096298.D
 Acq On : 2 May 2018 17:43
 Operator : SJ/JU
 Sample : J2507-06RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-180419RE

Manual Integrations
 APPROVED

Sohil
 5/3/2018 4:28:00 PM

Quant Time: May 03 02:26:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	1058	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3732	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	5576	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	4913	0.40	ng	0.00
27) Chrysene-d12	21.75	240	5097	0.40	ng	0.01
34) Perylene-d12	24.35	264	4467	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	456	0.14	ng	0.00
5) Phenol-d6	7.53	99	114	0.03	ng	0.02
8) Nitrobenzene-d5	9.54	82	1005	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	2472	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	507	0.19	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	4120	0.17	ng	0.00
25) Fluoranthene-d10	19.64	212	21959	0.33	ng	0.00
29) Terphenyl-d14	20.19	244	5734	0.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.59	88	2741	1.677	ng	# 55
6) bis(2-Chloroethyl)ether	7.76	93	10294	2.590	ng	# 51
9) Naphthalene	11.24	128	67060	1.704	ng	# 86
18) Fluorene	15.97	166	2748	0.124	ng	# 37
22) Pentachlorophenol	17.31	266	169	0.262	ng	# 86
23) Phenanthrene	17.68	178	1844	0.134	ng	# 61
24) Anthracene	17.78	178	920	0.070	ng	# 79
26) Fluoranthene	19.66	202	972	0.054	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.60	149	5616m	0.133	ng	#
33) Indeno(1,2,3-cd)pyrene	27.13	276	521	0.034	ng	# 70

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

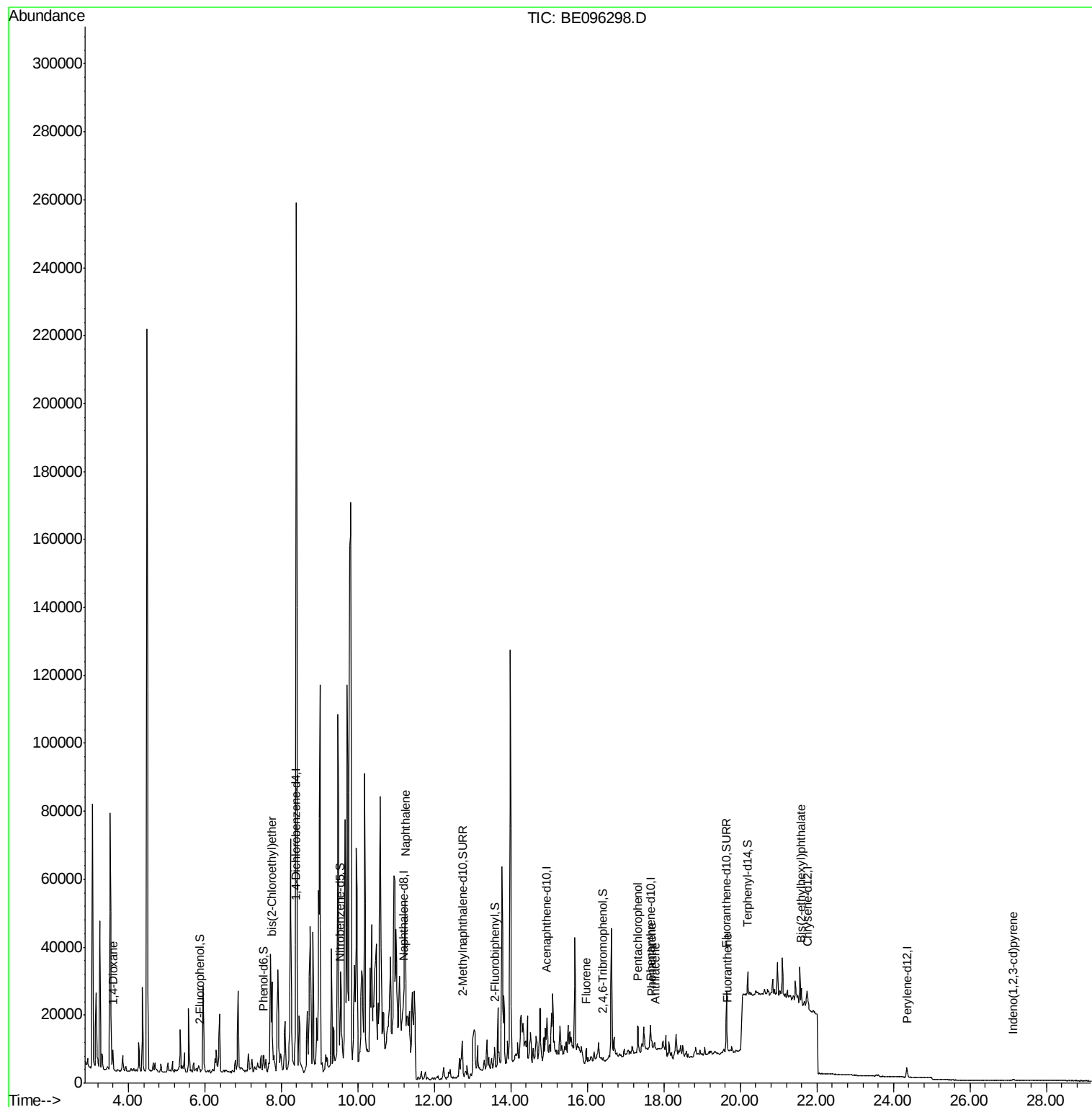
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096298.D
Acq On : 2 May 2018 17:43
Operator : SJ/JU
Sample : J2507-06RE
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#1

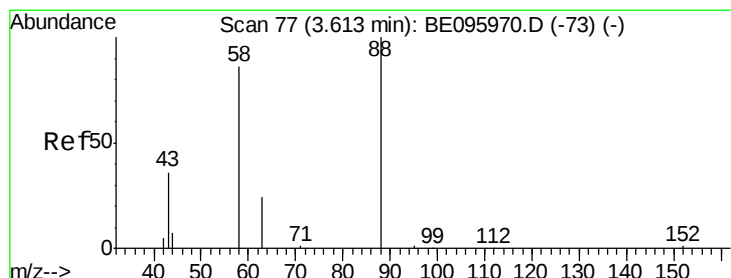
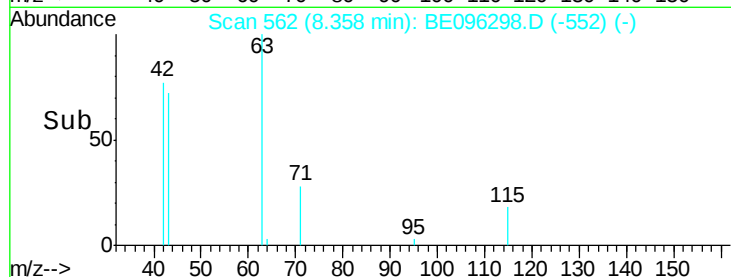
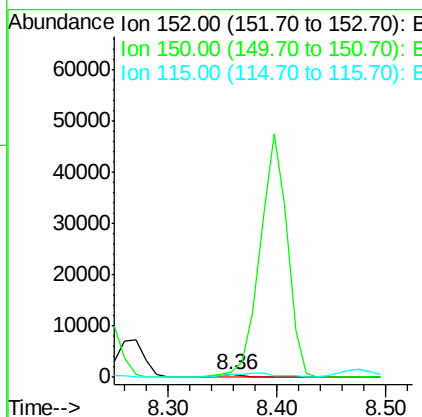
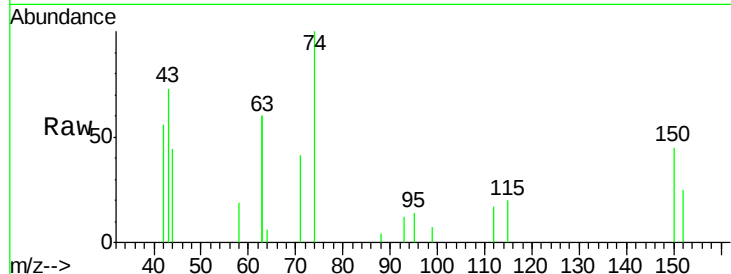
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	183.7	117.2	175.8#
115	81.7	57.0	85.6

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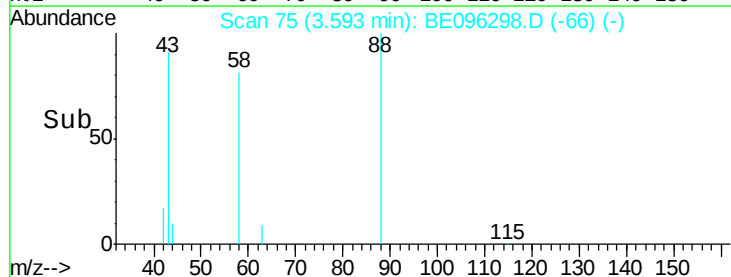
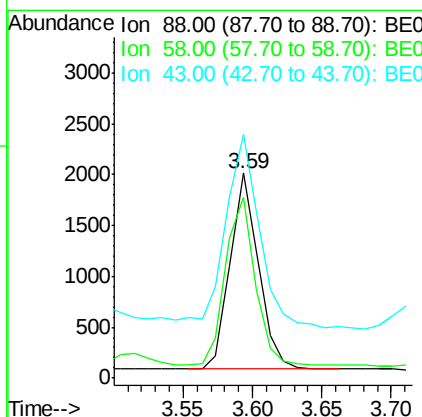
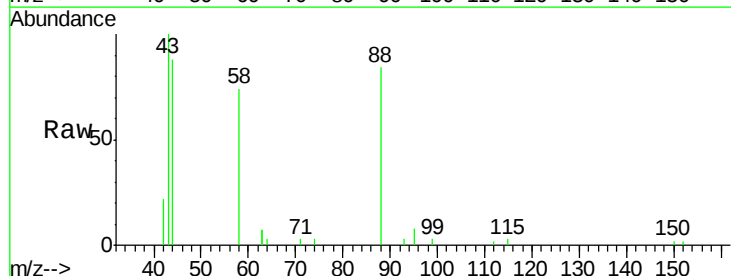
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 5/3/2018 4:28:00 PM

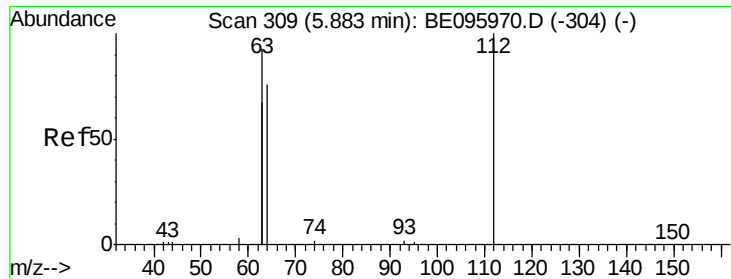


#2

1,4-Dioxane
 Concen: 1.677 ng
 RT: 3.59 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.8	63.2	94.8
43	118.8	41.2	61.8#





#4

2-Fluorophenol

Concen: 0.139 ng

RT: 5.87 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

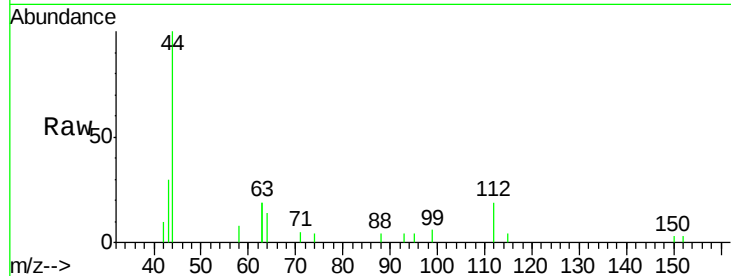
ClientSampleId :

SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
112	100		
64	78.3	60.1	90.1
63	187.5	116.8	175.2#

Manual Integrations
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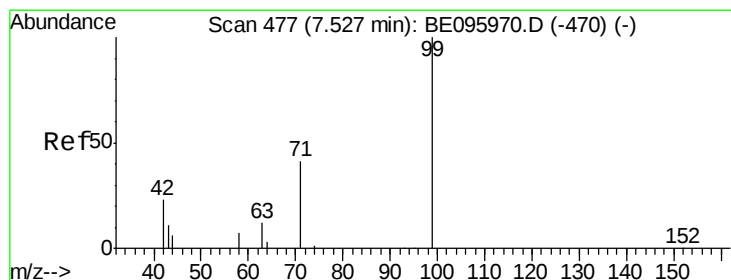
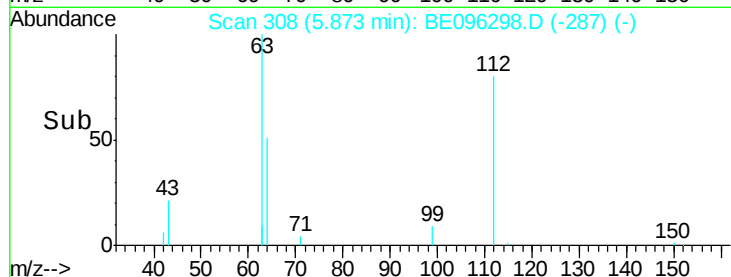
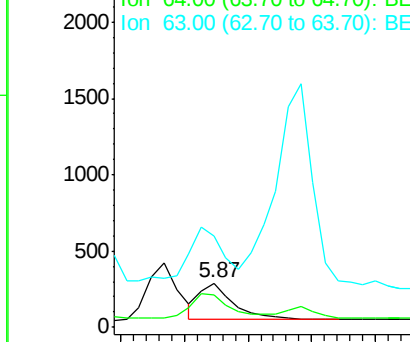
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Abundance Ion 112.00 (111.70 to 112.70): BE095970.D (-304) (-)

Ion 64.00 (63.70 to 64.70): BE095970.D (-304) (-)

Ion 63.00 (62.70 to 63.70): BE095970.D (-304) (-)



#5

Phenol-d6

Concen: 0.025 ng

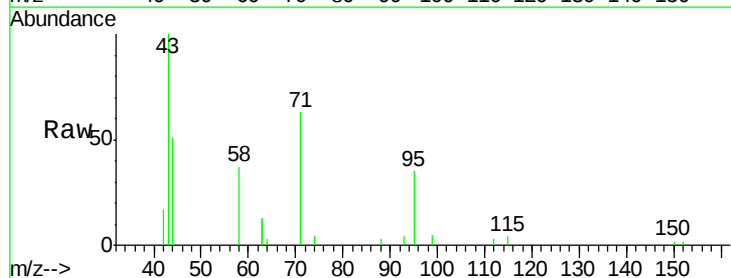
RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

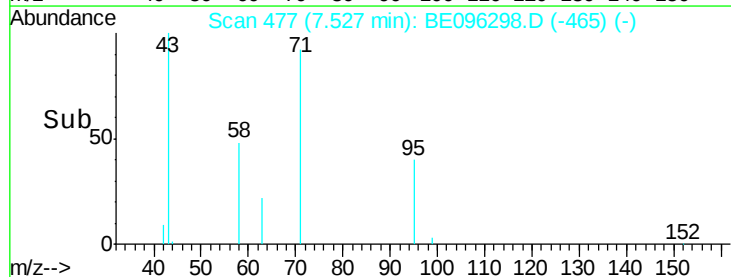
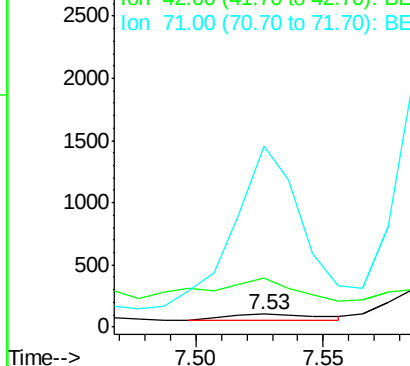
Tgt Ion	Ratio	Lower	Upper
99	100		
42	368.4	20.2	30.2#
71	2371.1	28.4	42.6#

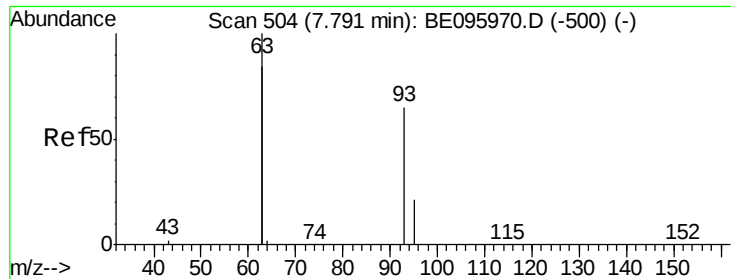


Abundance Ion 99.00 (98.70 to 99.70): BE095970.D (-470) (-)

Ion 42.00 (41.70 to 42.70): BE095970.D (-470) (-)

Ion 71.00 (70.70 to 71.70): BE095970.D (-470) (-)





#6

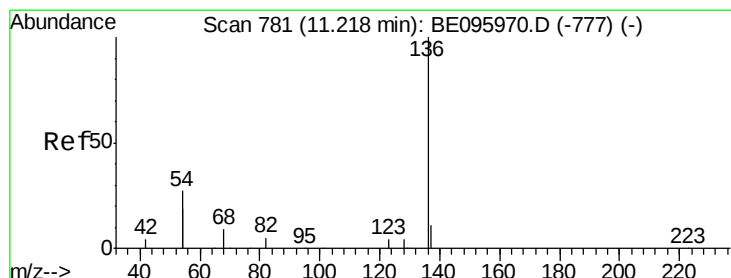
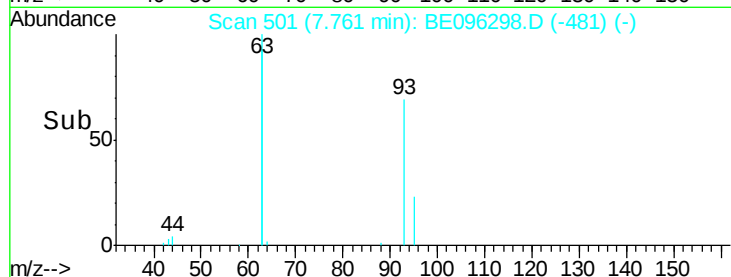
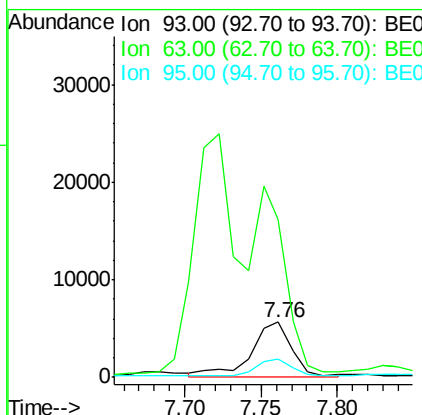
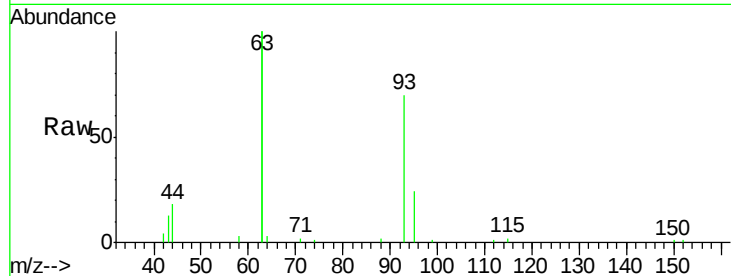
bis(2-Chloroethyl)ether
Concen: 2.590 ng
RT: 7.76 min Scan# 501
Delta R.T. -0.00 min
Lab File: BE096298.D
Acq: 2 May 2018 17:43

Instrument :
BNA_E
ClientSampleId :
SS043MW009-180419RE

Tot Ion	Ion	Ratio	Lower	Upper
93	100			
63	229.5	275.3	412.9#	
95	28.1	25.2	37.8	

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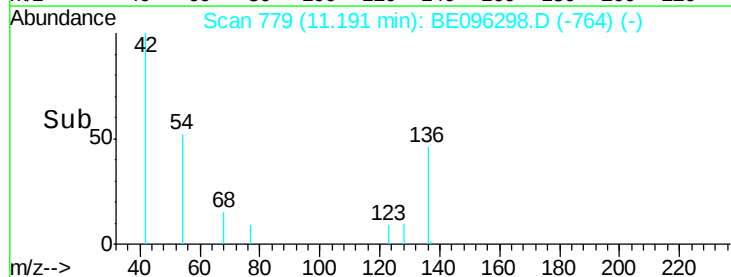
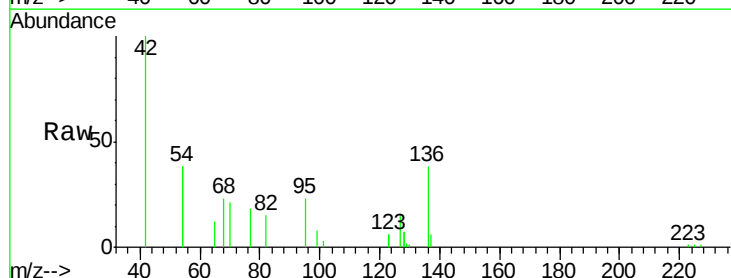
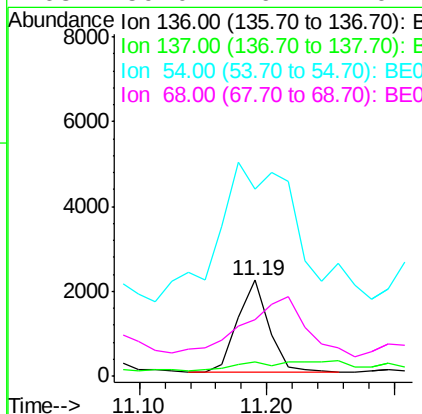
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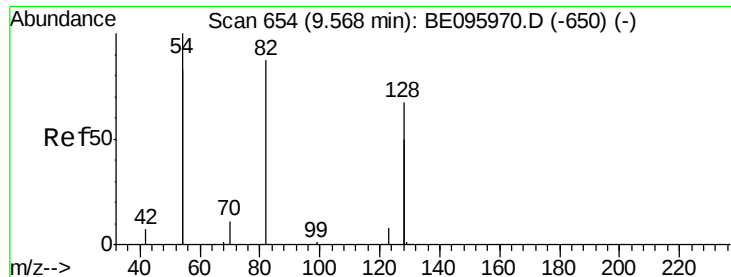


#7

Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE096298.D
Acq: 2 May 2018 17:43

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	15.1	9.5	14.3#	
54	195.1	29.1	43.7#	
68	59.0	6.2	9.2#	





#8

Nitrobenzene-d5

Concen: 0.230 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

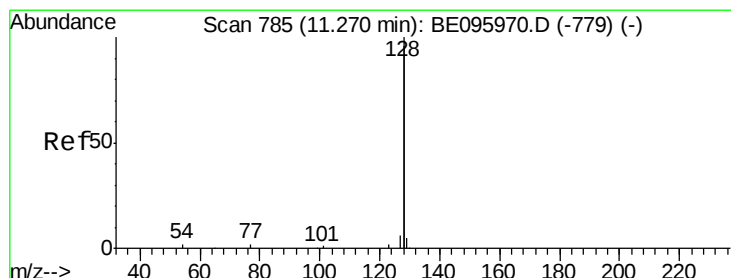
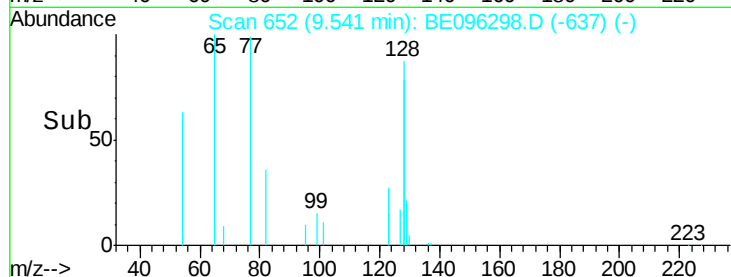
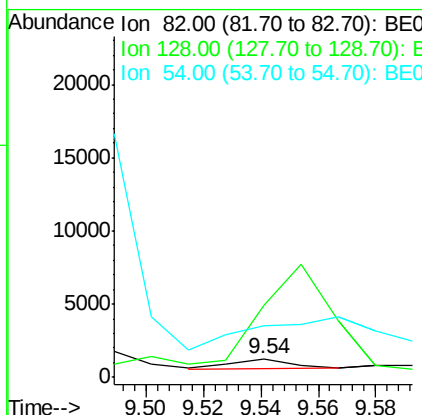
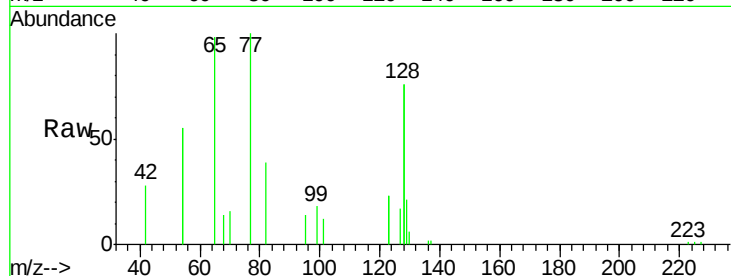
ClientSampleId :

SS043MW009-180419RE

Tot Ion:	82	Resp:	1005
Ion	Ratio	Lower	Upper
82	100		
128	391.9	150.0	225.0#
54	282.6	154.2	231.4#

Manual Integrations
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#9

Naphthalene

Concen: 1.704 ng

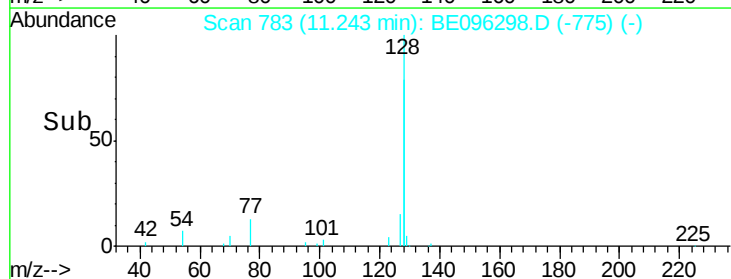
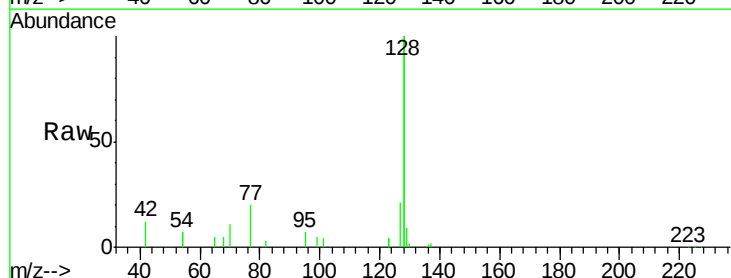
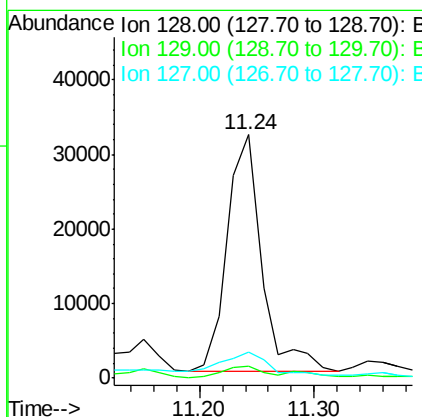
RT: 11.24 min Scan# 783

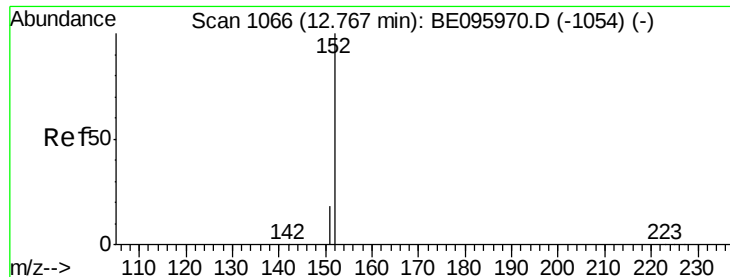
Delta R.T. -0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Tgt Ion:	128	Resp:	67060
Ion	Ratio	Lower	Upper
128	100		
129	4.7	2.6	3.8#
127	10.7	2.8	4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.418 ng

RT: 12.73 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

ClientSampleId :

SS043MW009-180419RE

Tot Ion:152 Resp: 2472

Ion Ratio Lower Upper

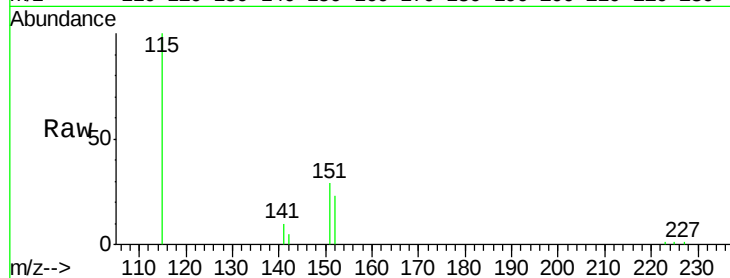
152 100

151 177.4 15.4 23.0#

Manual Integrations
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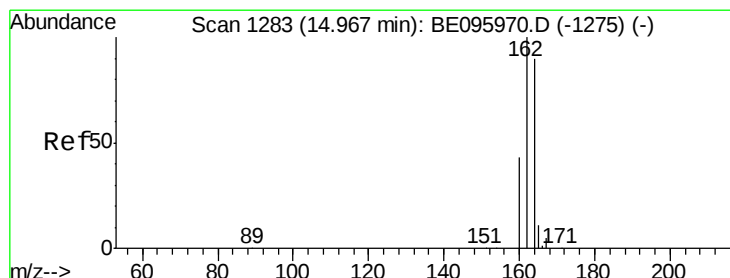
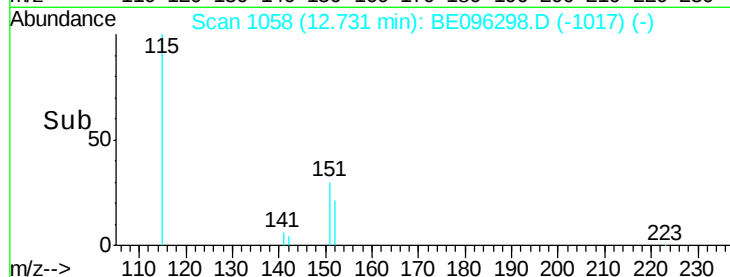
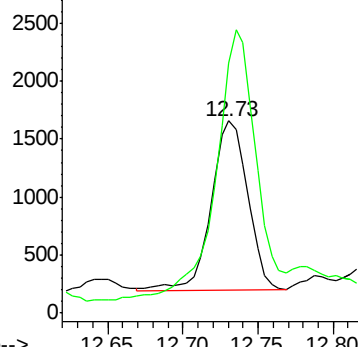
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

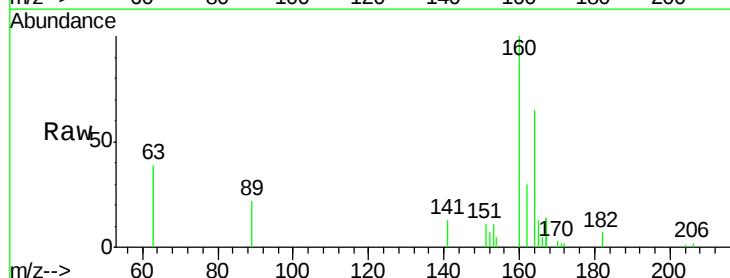
Tgt Ion:164 Resp: 5576

Ion Ratio Lower Upper

164 100

162 45.3 83.1 124.7#

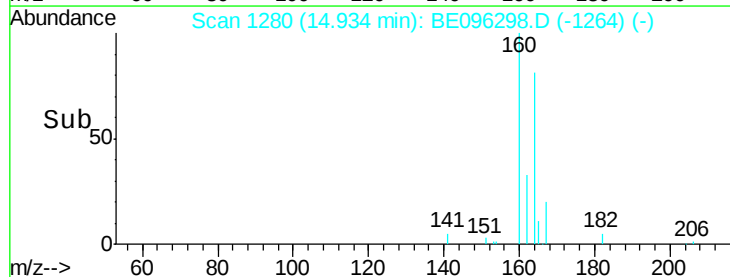
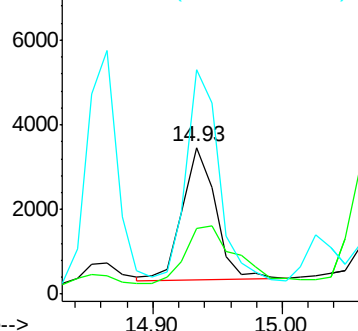
160 153.1 37.1 55.7#

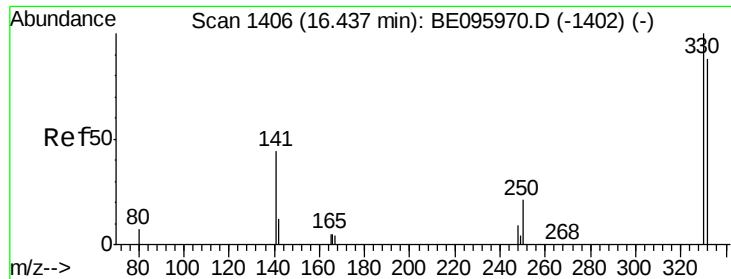


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.188 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

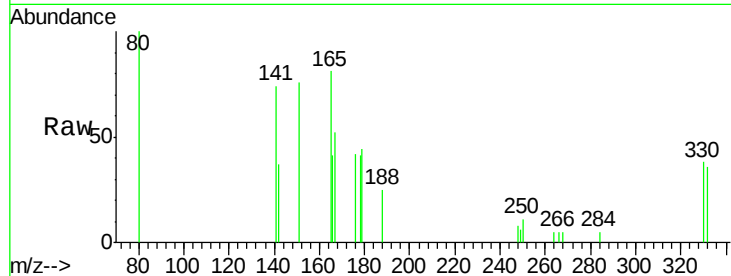
ClientSampleId :

SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	152.7	229.1#
141	89.2	33.7	50.5#

Manual Integrations
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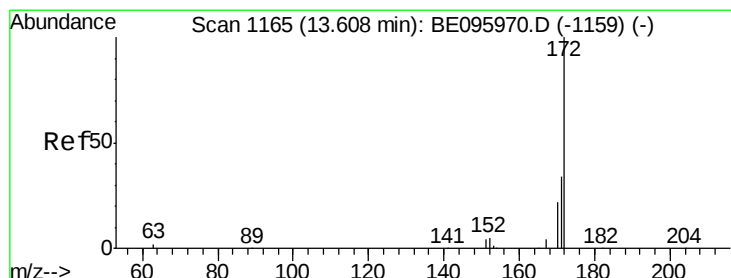
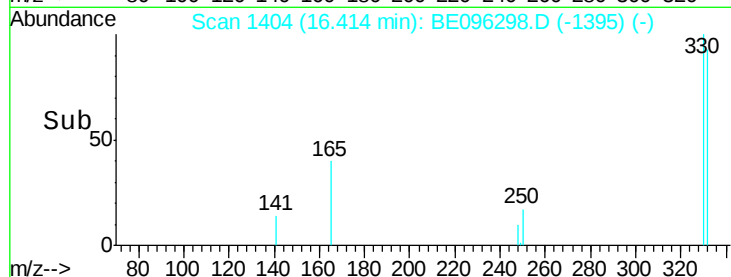
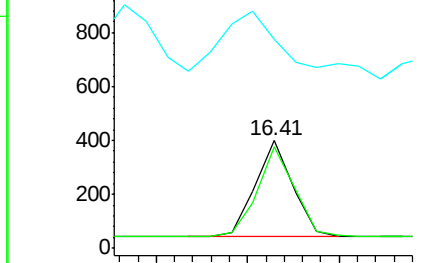
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Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.173 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096298.D

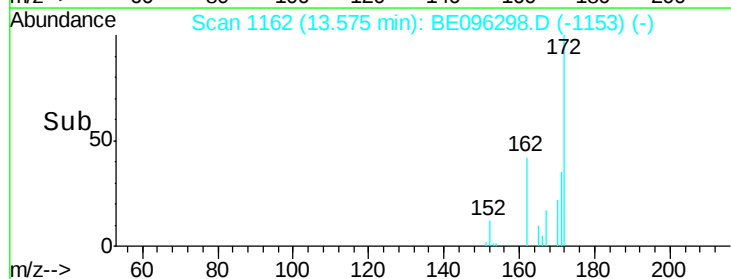
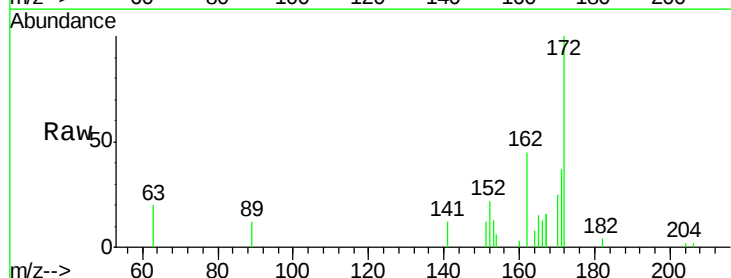
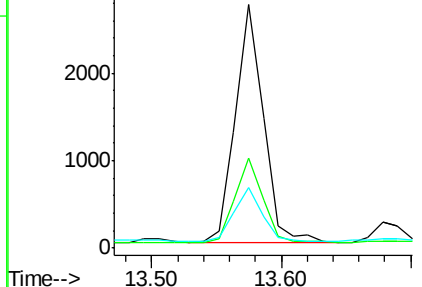
Acq: 2 May 2018 17:43

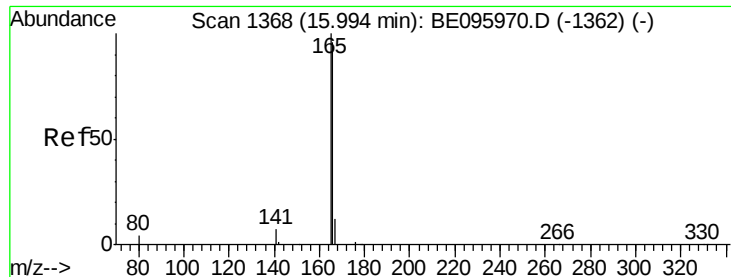
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	24.7	21.8	32.8

Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#18

Fluorene

Concen: 0.124 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

ClientSampleId :

SS043MW009-180419RE

Tot Ion:166 Resp: 2748

Ion Ratio Lower Upper

166 100

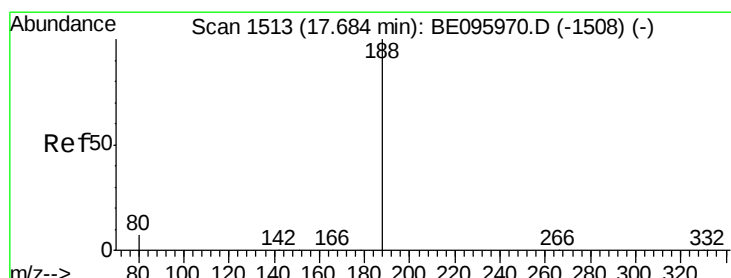
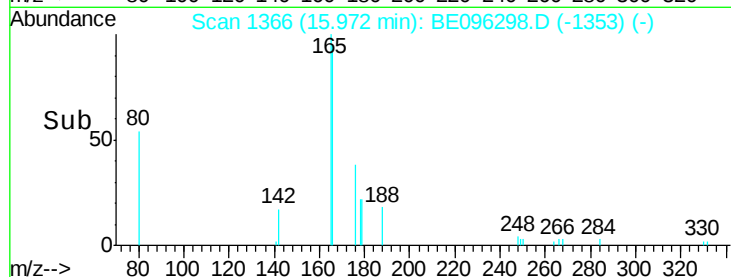
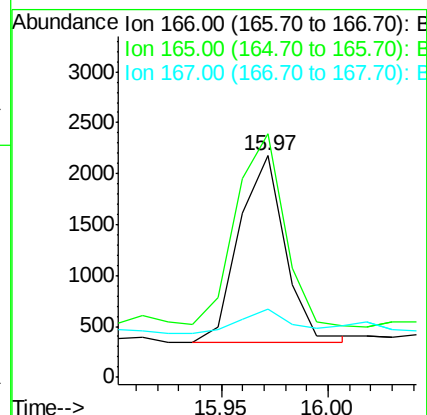
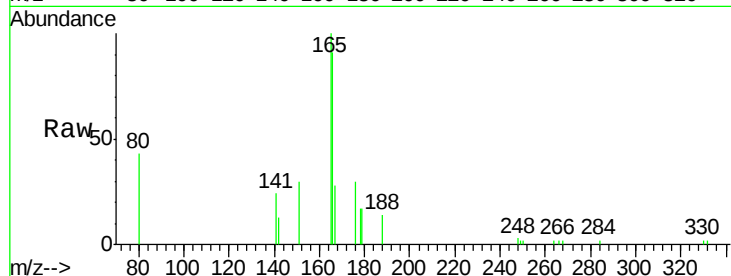
165 163.6 77.8 116.6#

167 15.0 42.4 63.6#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

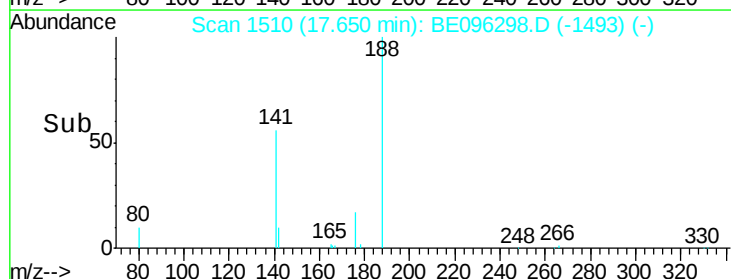
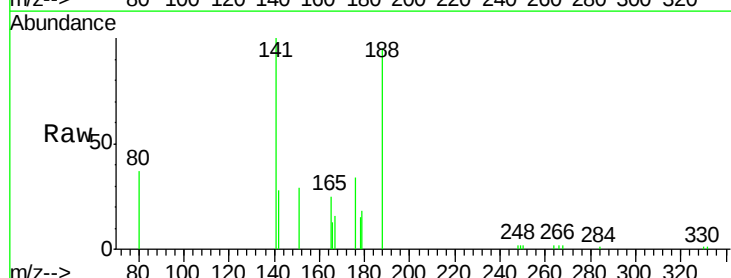
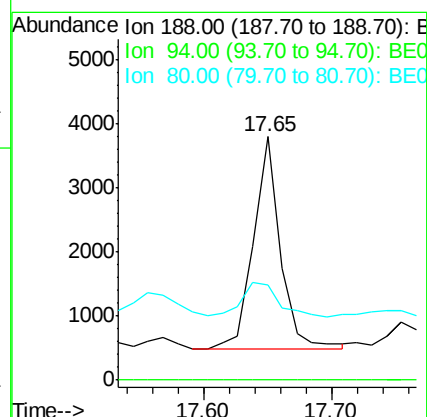
Tgt Ion:188 Resp: 4913

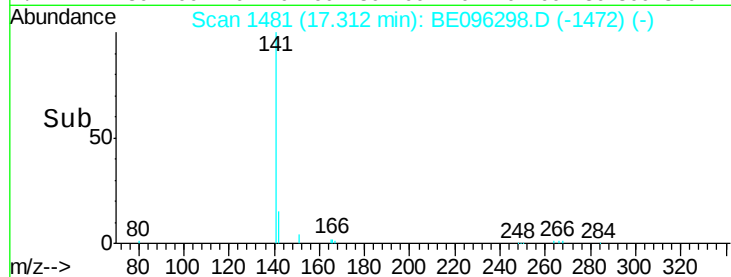
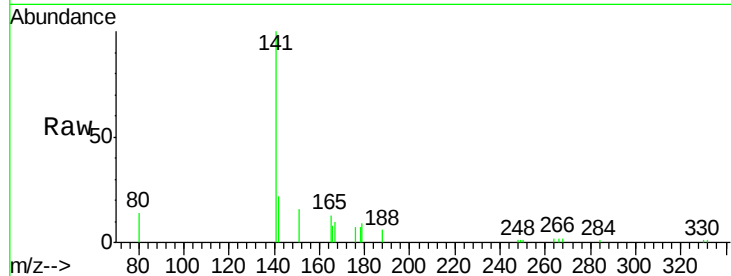
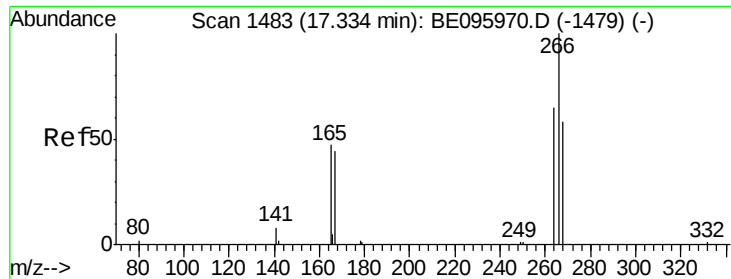
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 39.1 3.6 5.4#





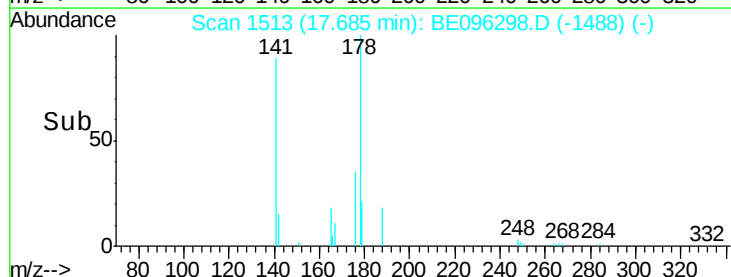
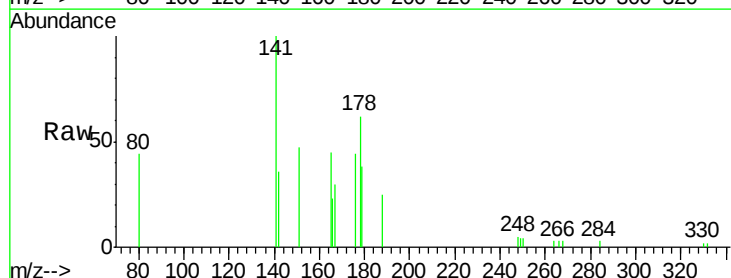
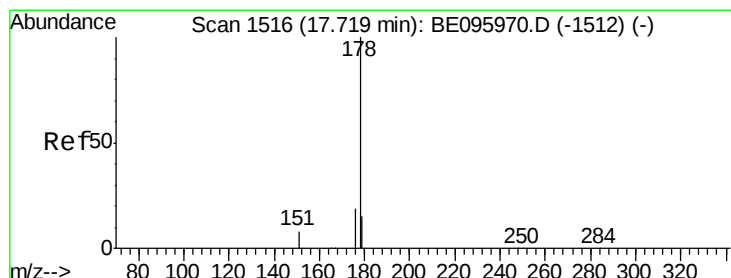
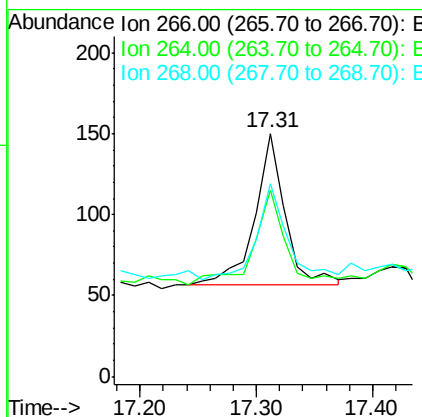
#22
 Pentachlorophenol
 Concen: 0.262 ng
 RT: 17.31 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
266	100		
264	76.7	72.5	108.7
268	79.3	73.8	110.6

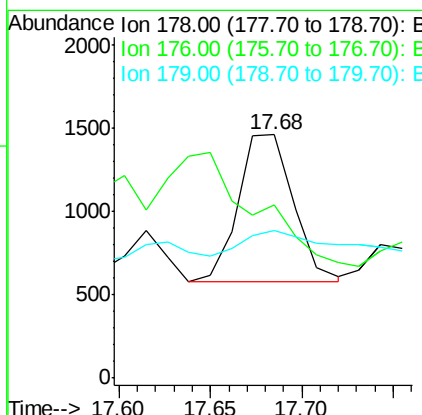
Manual Integrations
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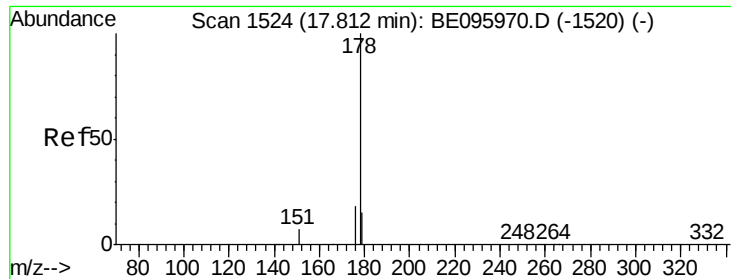
Sohil
 5/3/2018 4:28:00 PM



#23
 Phenanthrene
 Concen: 0.134 ng
 RT: 17.68 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.1	22.7#
179	0.0	11.8	17.6#





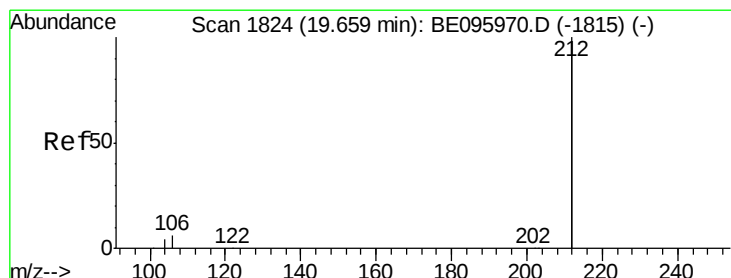
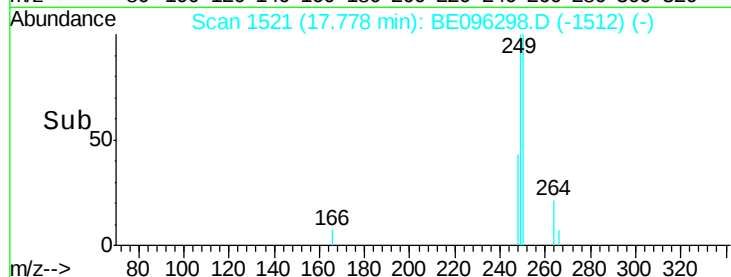
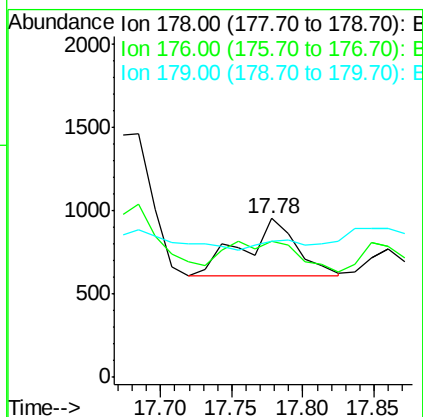
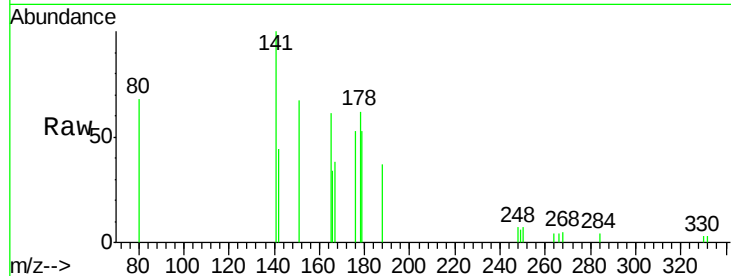
#24
 Anthracene
 Concen: 0.070 ng
 RT: 17.78 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	12.8	19.2#
179	14.2	13.0	19.6

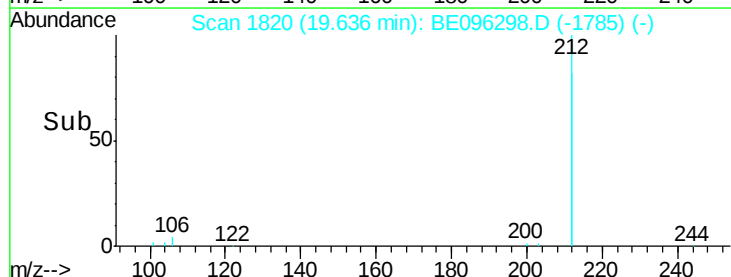
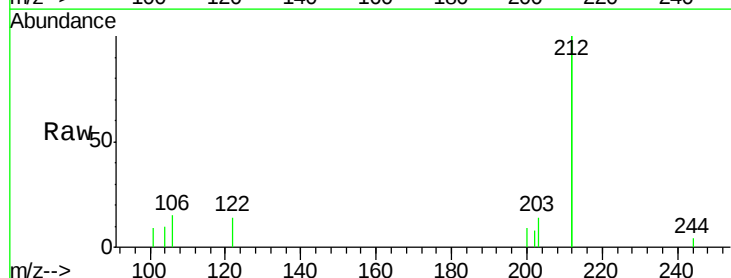
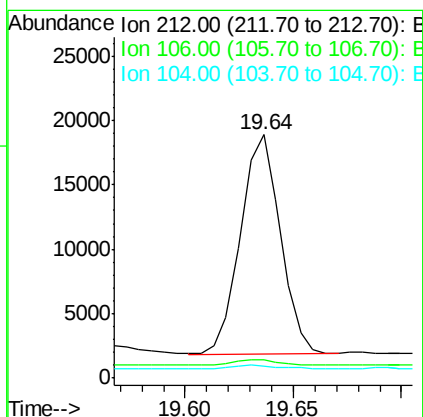
Manual Integrations
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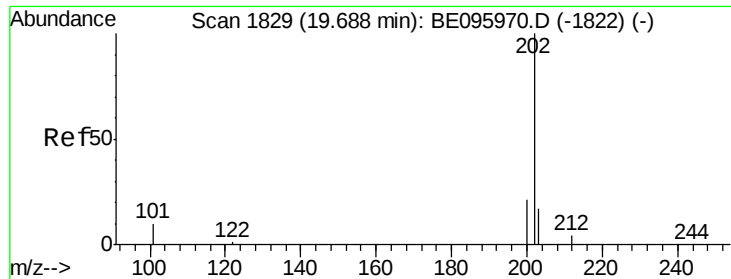
Sohil
 5/3/2018 4:28:00 PM



#25
 Fluoranthene-d10
 Concen: 0.329 ng
 RT: 19.64 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.8	4.2
104	1.7	1.6	2.4





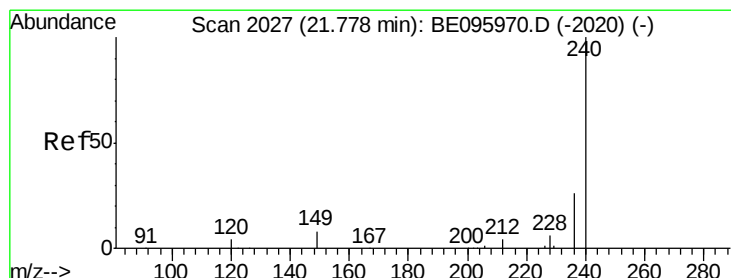
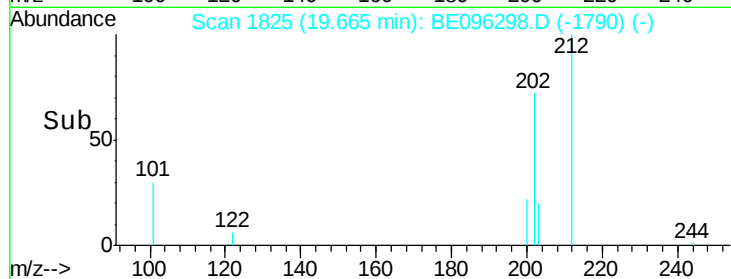
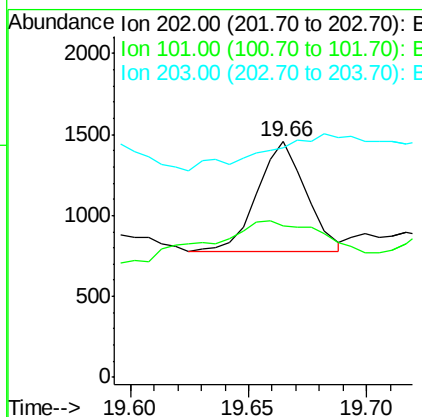
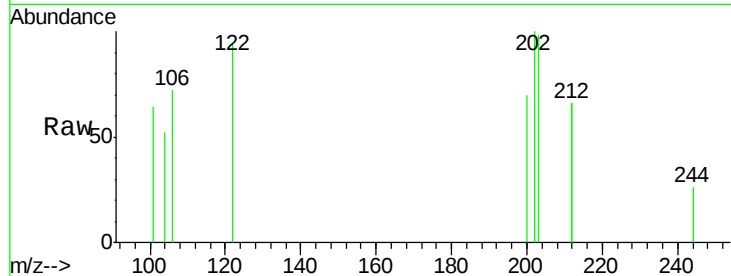
#26
 Fluoranthene
 Concen: 0.054 ng
 RT: 19.66 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
202	100		
101	119.3	9.8	14.8#
203	0.0	13.7	20.5#

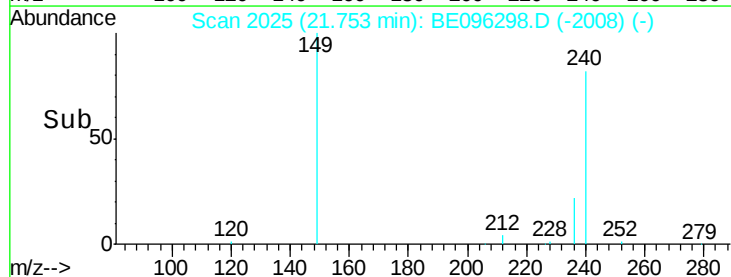
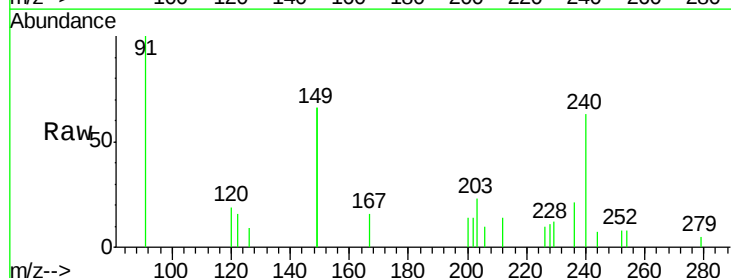
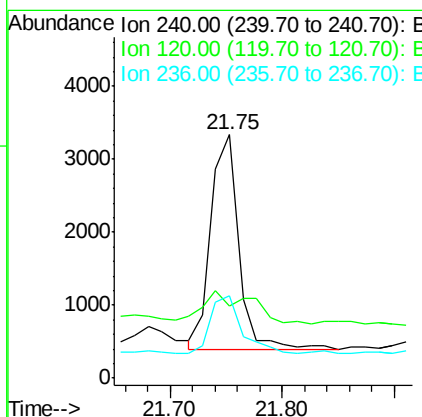
Manual Integrations
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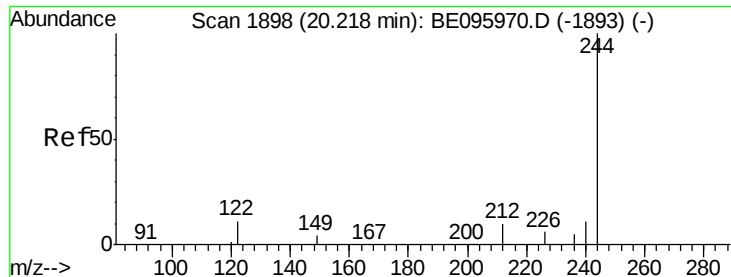
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 5/3/2018 4:28:00 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.75 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BE096298.D
 Acq: 2 May 2018 17:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	29.7	5.5	8.3#
236	34.0	20.7	31.1#





#29

Terphenyl-d14

Concen: 0.509 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Instrument :

BNA_E

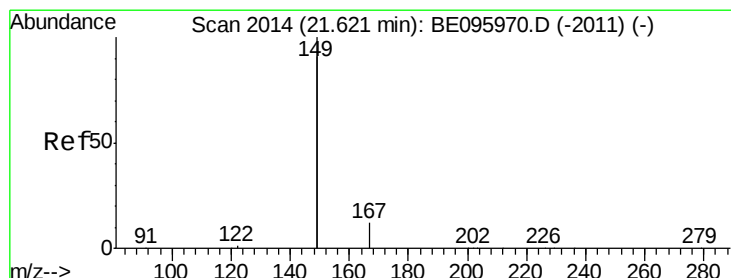
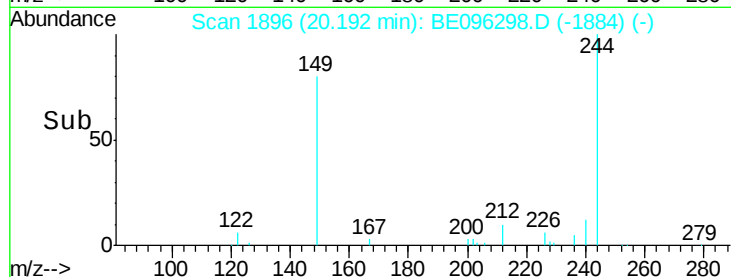
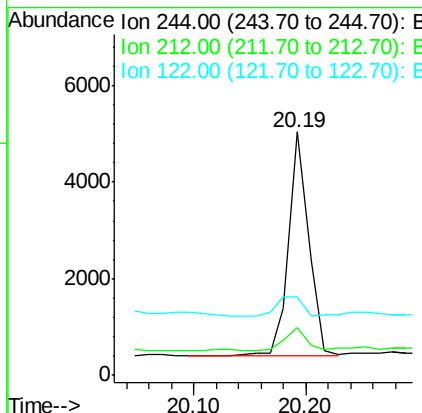
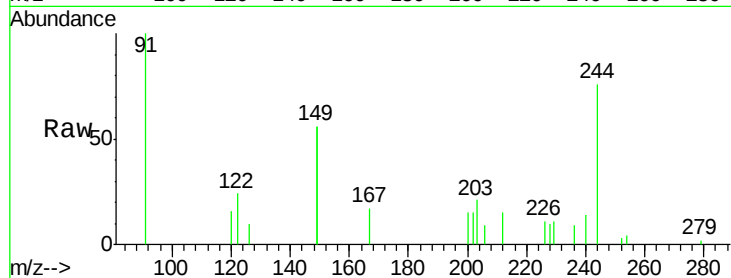
ClientSampleId :

SS043MW009-180419RE

Tot Ion:	244	Resp:	5734
Ion Ratio	Lower	Upper	
244	100		
212	19.7	25.4	38.0#
122	32.0	8.1	12.1#

Manual Integrations
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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng m

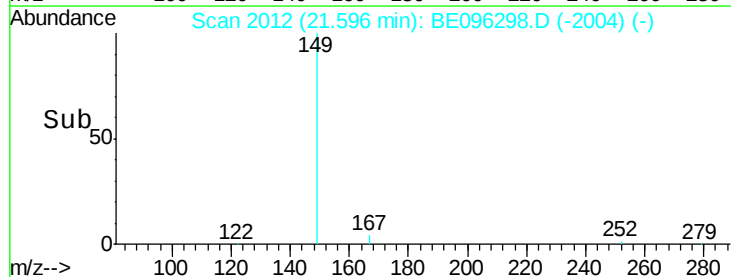
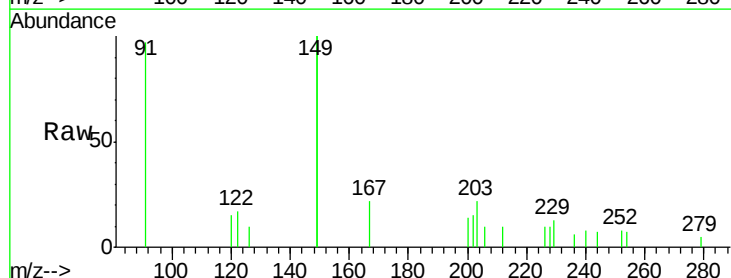
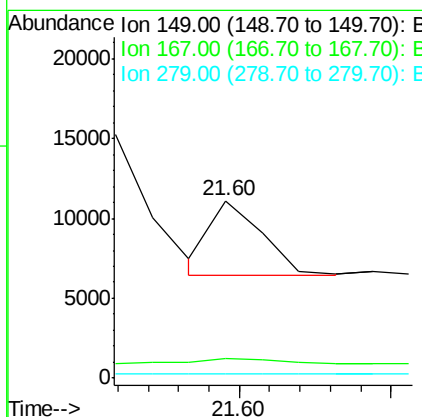
RT: 21.60 min Scan# 2012

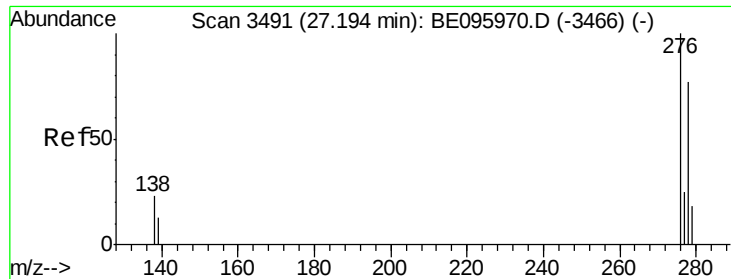
Delta R.T. -0.00 min

Lab File: BE096298.D

Acq: 2 May 2018 17:43

Tgt Ion:	149	Resp:	5616
Ion Ratio	Lower	Upper	
149	100		
167	0.0	5.4	8.0#
279	0.0	0.7	1.1#





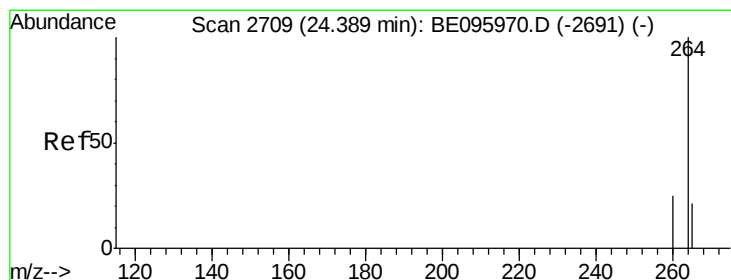
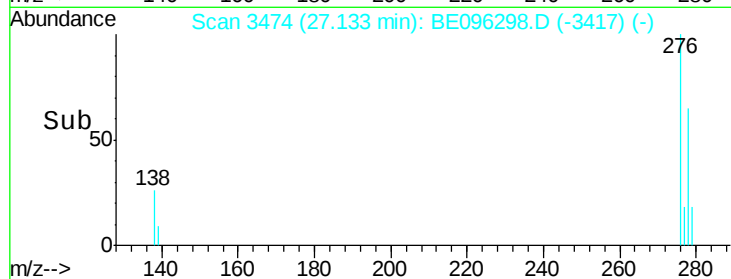
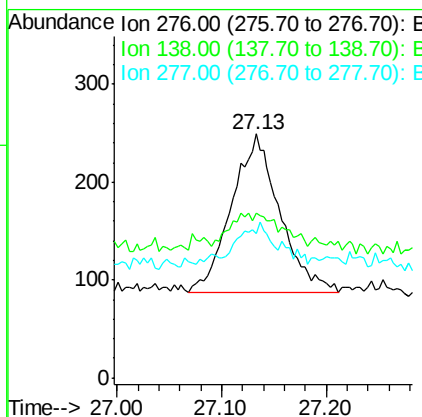
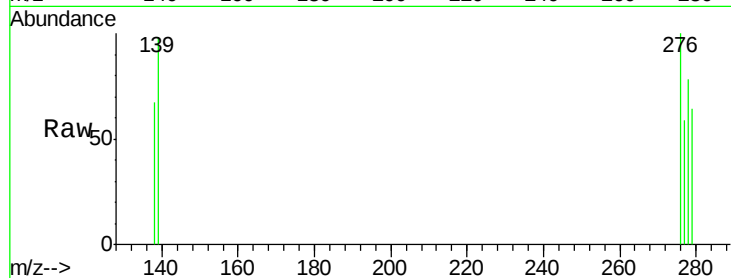
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.034 ng
RT: 27.13 min Scan# 3474
Delta R.T. 0.00 min
Lab File: BE096298.D
Acq: 2 May 2018 17:43

Instrument :
BNA_E
ClientSampleId :
SS043MW009-180419RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.4	22.5	33.7#
277	12.5	19.9	29.9#

Manual Integrations
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE096298.D
Acq: 2 May 2018 17:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.9	20.5	30.7
265	42.4	22.8	34.2#

