

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021318\
 Data File : BE095661.D
 Acq On : 12 Feb 2018 14:57
 Operator : SJ/JU
 Sample : J1521-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-5

Manual Integrations
 APPROVED

Sohil
 2/13/2018 11:27:21 AM

Quant Time: Feb 13 04:02:37 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1116	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4628	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2708	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6142	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6098	0.40	ng	0.00
34) Perylene-d12	24.43	264	5925	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	357	0.11	ng	0.00
5) Phenol-d6	7.56	99	314	0.07	ng	0.00
8) Nitrobenzene-d5	9.61	82	1483	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2378	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	340	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3920	0.34	ng	-0.02
25) Fluoranthene-d10	19.69	212	26042	0.32	ng	0.00
29) Terphenyl-d14	20.25	244	4672	0.36	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	11.31	128	1200	0.02	ng	# 76
23) Phenanthrene	17.74	178	871m	0.05	ng	
24) Anthracene	17.83	178	529	0.03	ng	# 90
26) Fluoranthene	19.71	202	1554	0.07	ng	97
28) Pyrene	20.06	202	1620	0.06	ng	# 89
30) Benzo(a)anthracene	21.78	228	907	0.04	ng	# 77
31) Chrysene	21.84	228	884	0.04	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.65	149	12838	0.27	ng	99
33) Indeno(1,2,3-cd)pyrene	27.23	276	823	0.04	ng	# 78
35) Benzo(b)fluoranthene	23.61	252	1274	0.06	ng	# 70
39) Benzo(g,h,i)perylene	28.09	276	829	0.05	ng	# 64

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

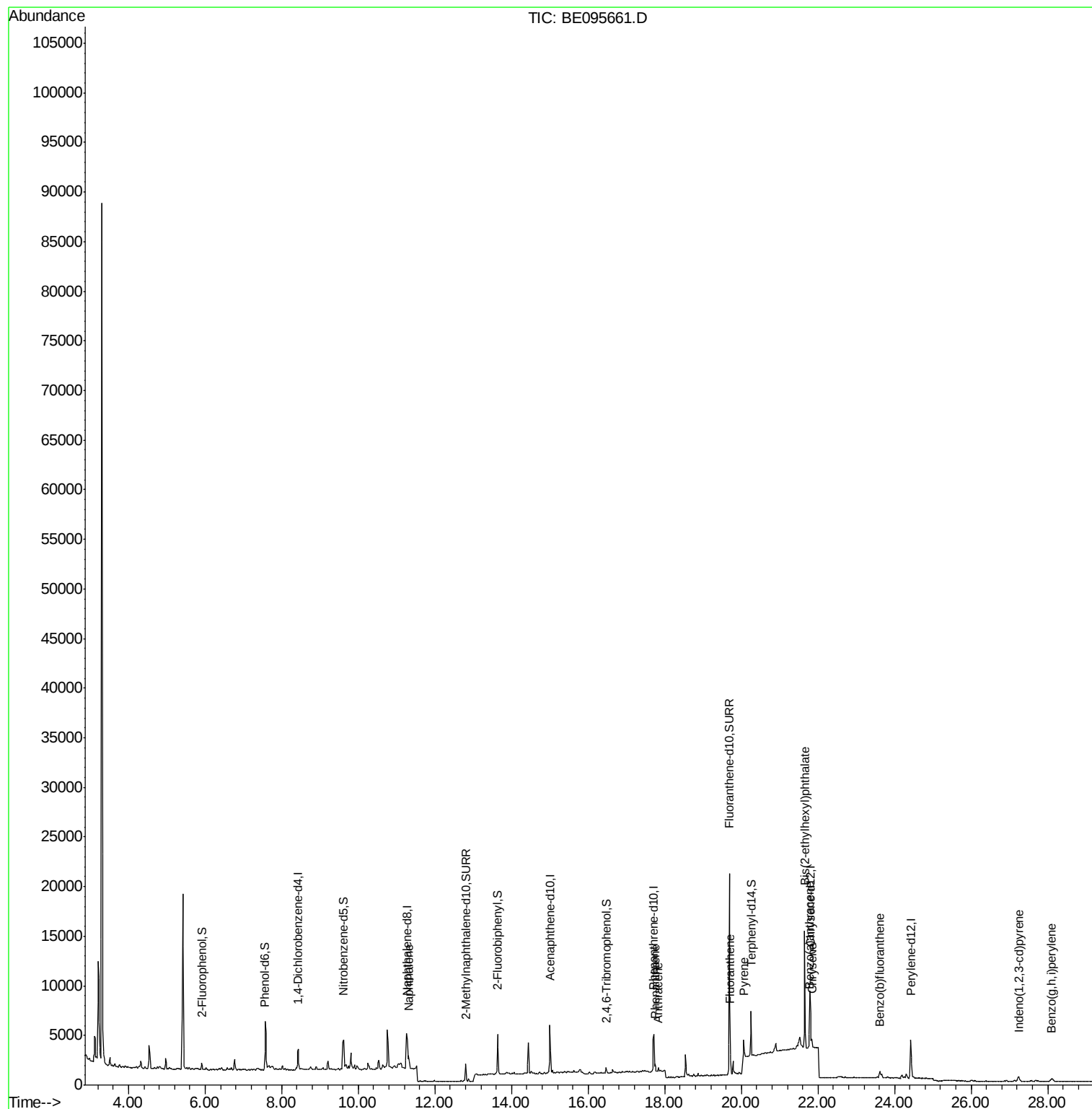
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021318\
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Acq On : 12 Feb 2018 14:57
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.43 min Scan# 443

Delta R.T. -0.00 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Instrument :

BNA_E

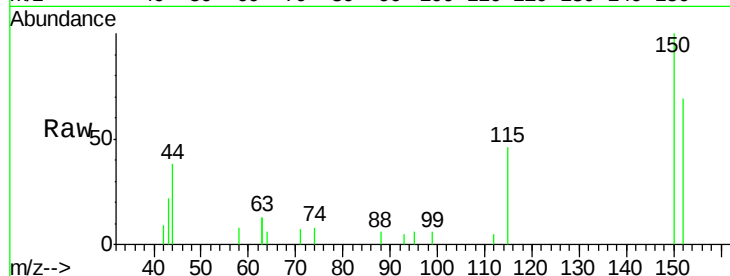
ClientSampled :

MW-5

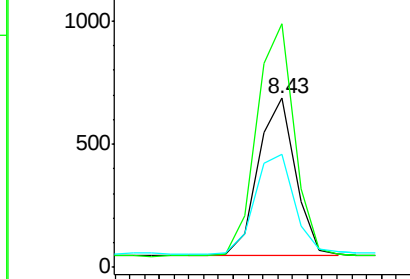
Tgt Ion:	152	Resp:	1116
Ion Ratio	Lower	Upper	
152	100		
150	144.2	117.2	175.8
115	66.6	57.0	85.6

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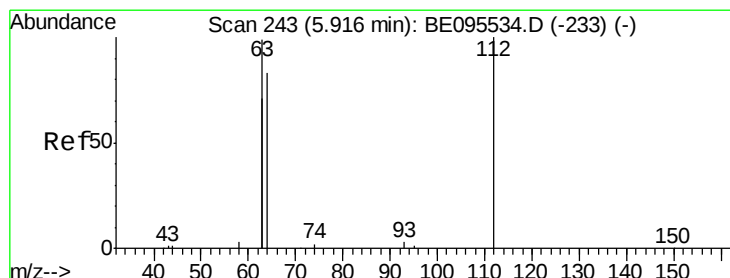
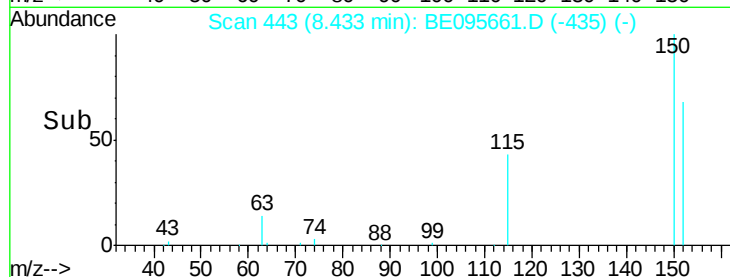
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->



#4

2-Fluorophenol

Concen: 0.11 ng

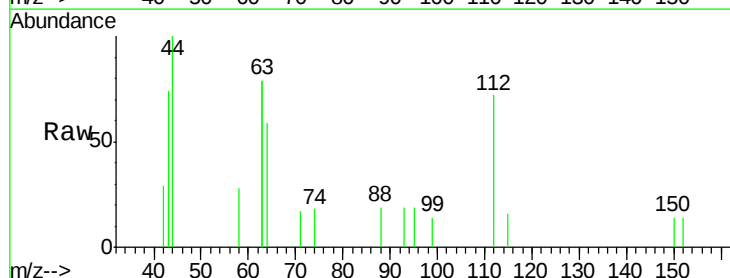
RT: 5.92 min Scan# 243

Delta R.T. -0.00 min

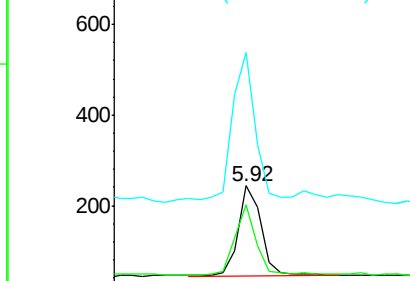
Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

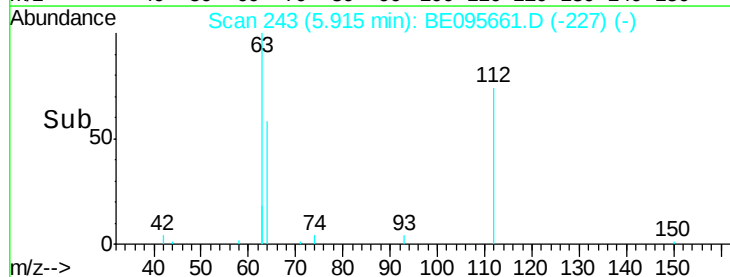
Tgt Ion:	112	Resp:	357
Ion Ratio	Lower	Upper	
112	100		
64	72.3	60.1	90.1
63	164.1	116.8	175.2

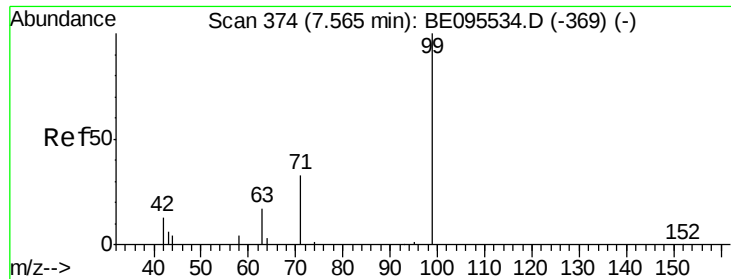


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.07 ng

RT: 7.56 min Scan# 374

Delta R.T. -0.00 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Instrument :

BNA_E

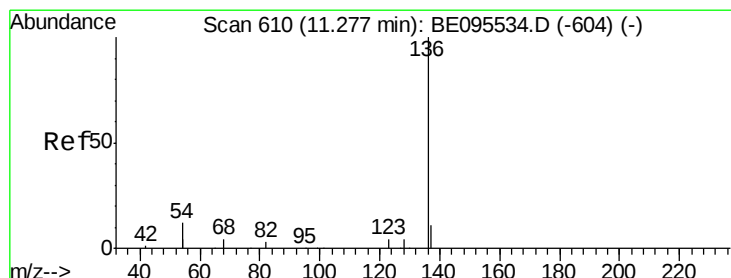
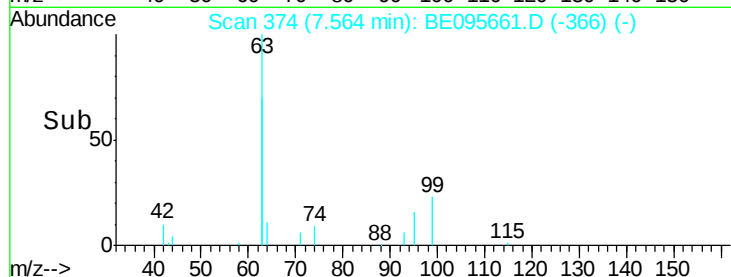
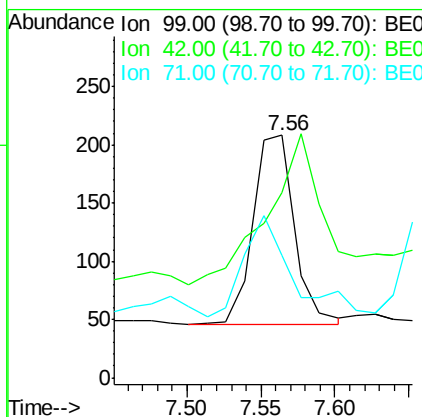
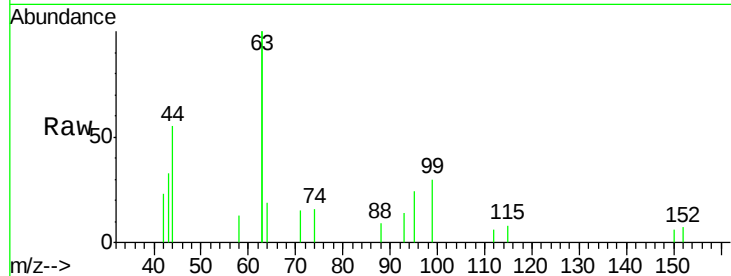
ClientSampled :

MW-5

Tgt Ion:	99	Resp:	314
Ion	Ratio	Lower	Upper
99	100		
42	107.0	20.2	30.2#
71	0.0	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.40 ng

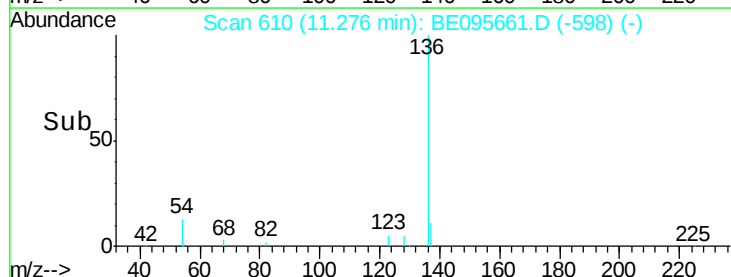
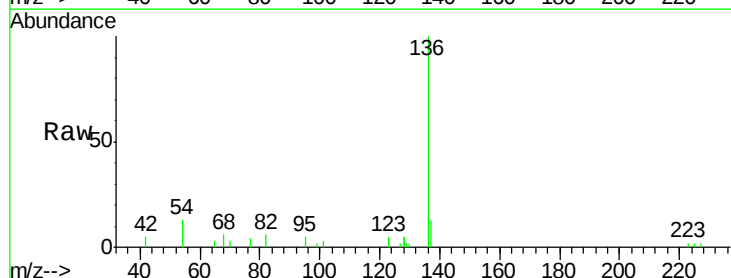
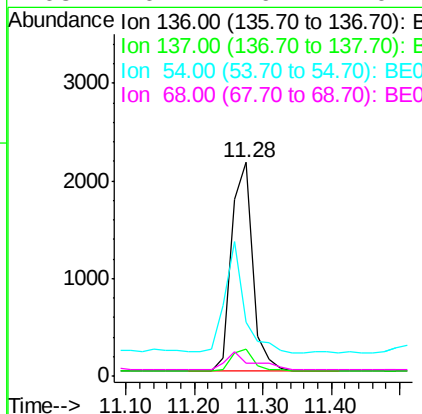
RT: 11.28 min Scan# 610

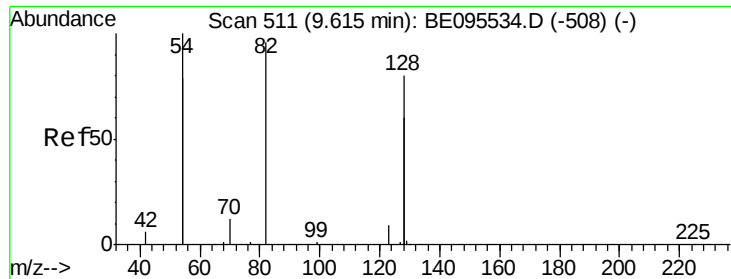
Delta R.T. -0.00 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Tgt Ion:	136	Resp:	4628
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	25.4	29.1	43.7#
68	6.1	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.30 ng

RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Instrument :

BNA_E

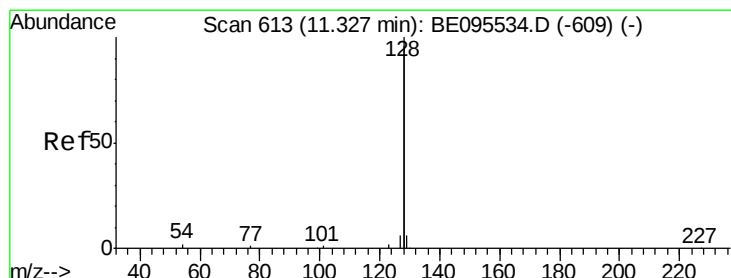
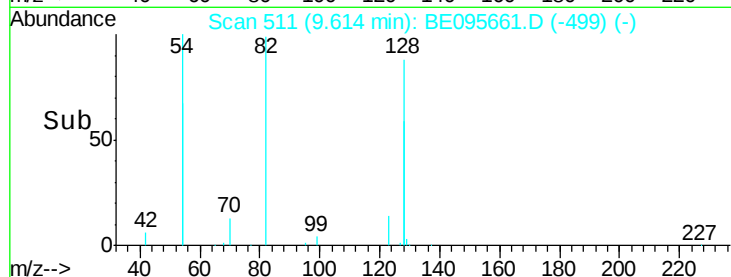
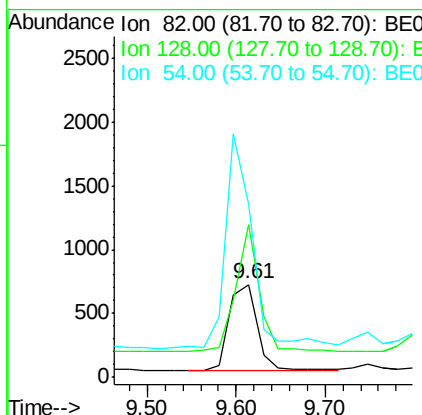
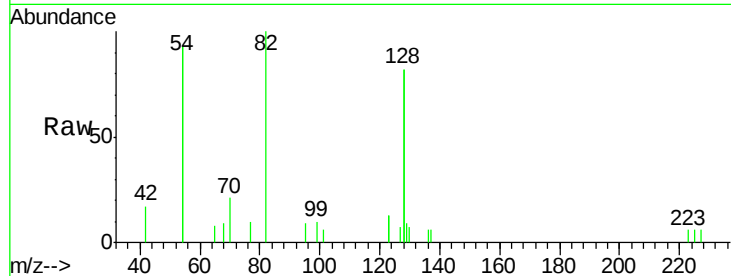
ClientSampled :

MW-5

Tgt Ion:	82	Resp:	1483
Ion Ratio	Lower	Upper	
82	100		
128	164.3	150.0	225.0
54	186.6	154.2	231.4

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#9

Naphthalene

Concen: 0.02 ng

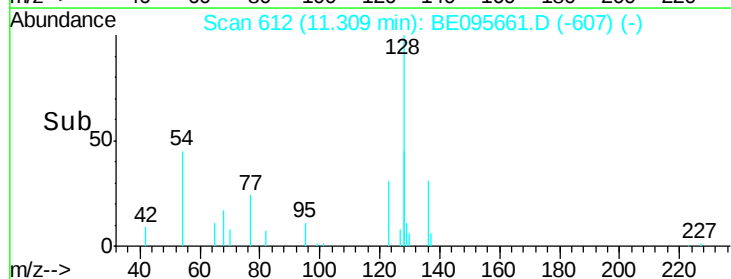
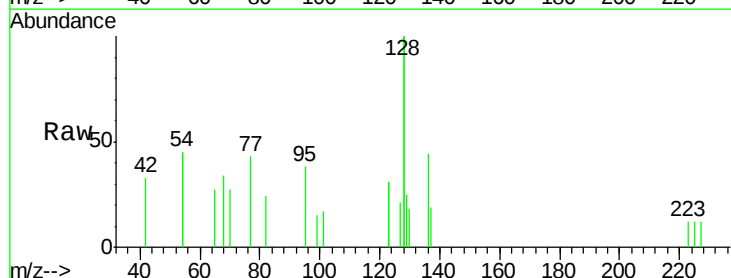
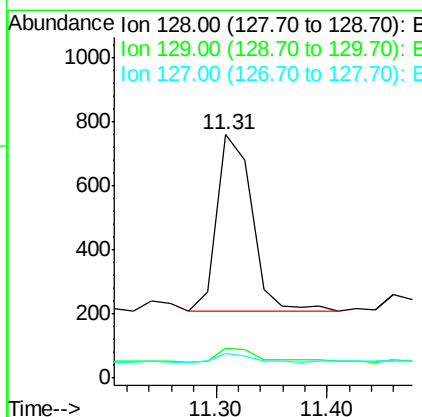
RT: 11.31 min Scan# 612

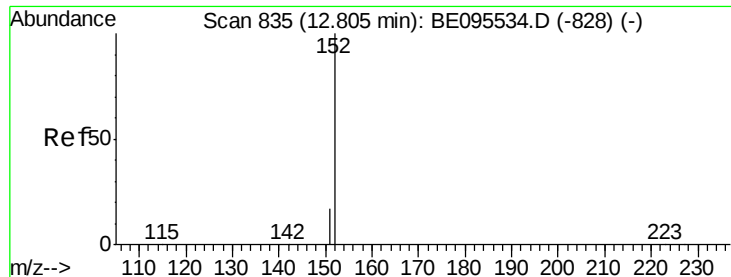
Delta R.T. -0.02 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Tgt Ion:	128	Resp:	1200
Ion Ratio	Lower	Upper	
128	100		
129	12.5	2.6	3.8#
127	10.4	2.8	4.2#





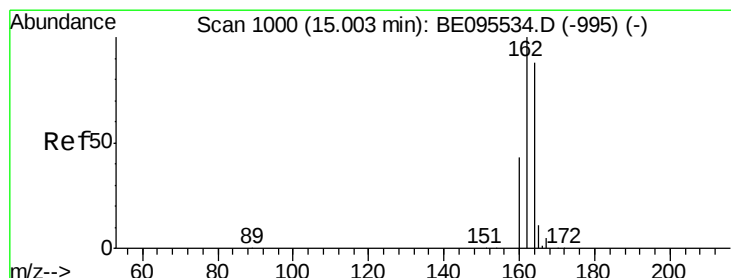
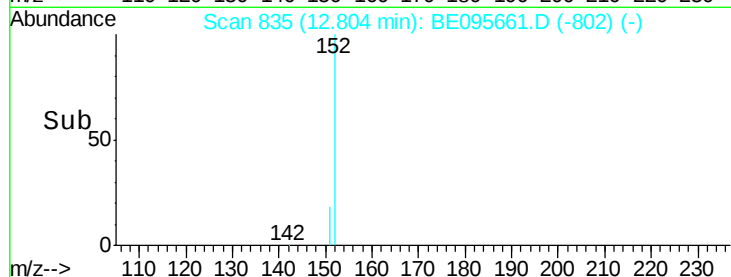
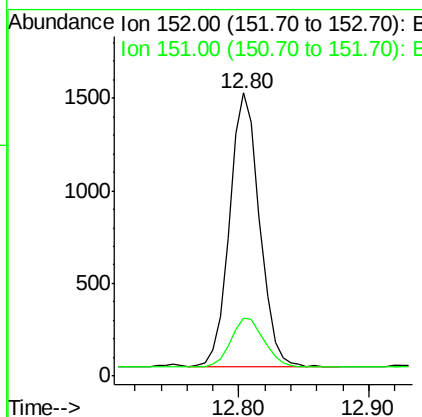
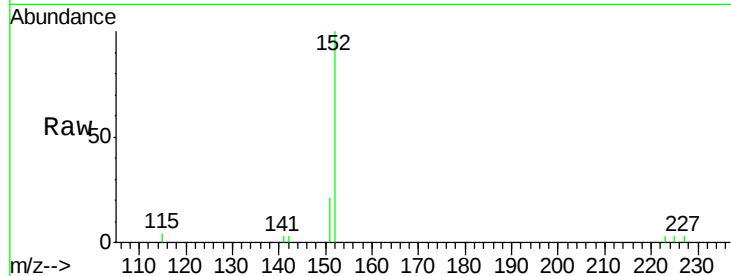
#11
2-Methylnaphthalene-d10
Concen: 0.31 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Instrument :
BNA_E
ClientSampleId :
MW-5

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.0

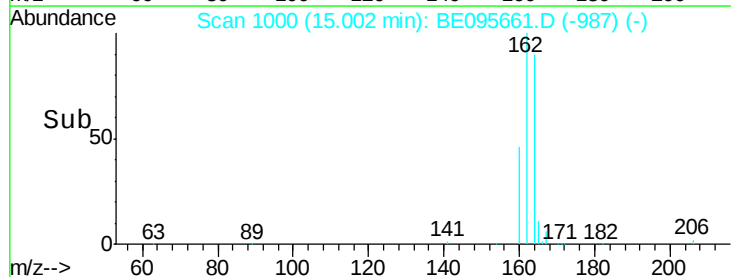
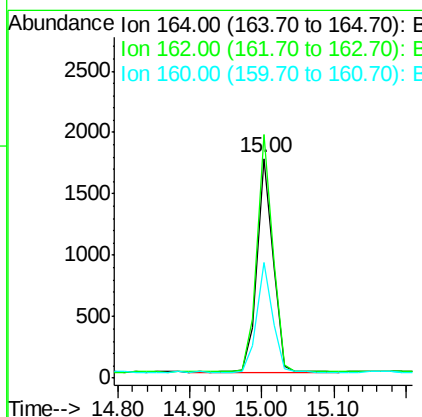
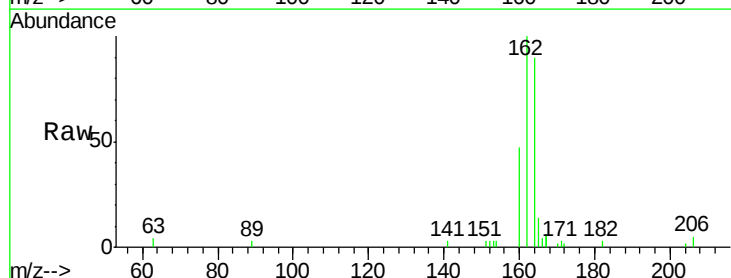
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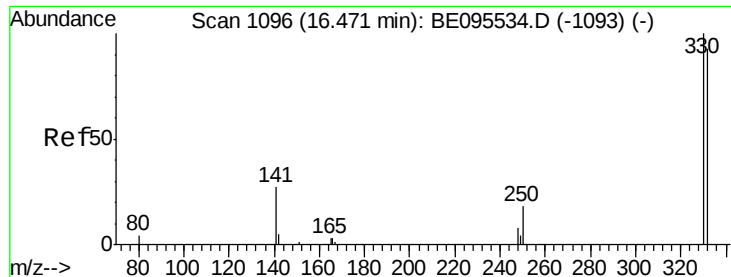
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#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.0	83.1	124.7
160	52.5	37.1	55.7





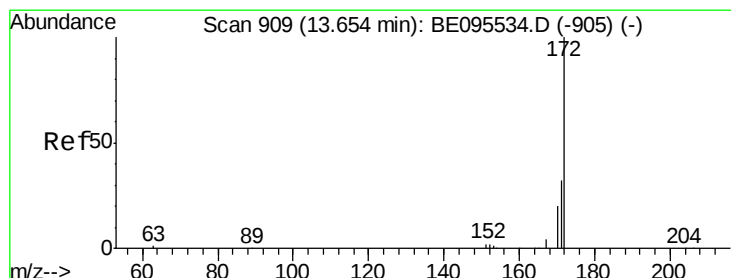
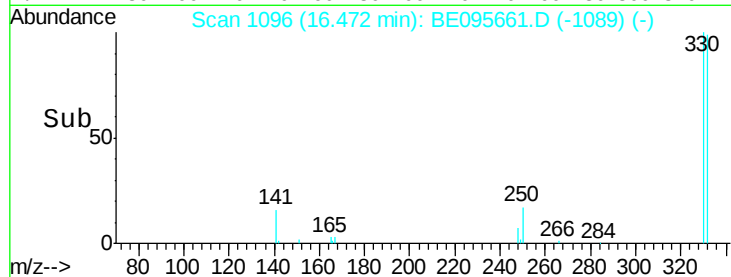
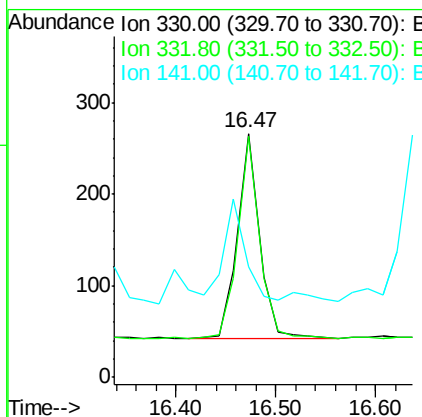
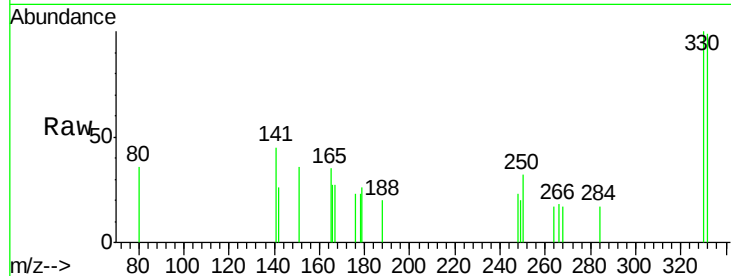
#14
2,4,6-Tribromophenol
Concen: 0.28 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Instrument :
BNA_E
ClientSampled :
MW-5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	152.7	229.1#
141	47.6	33.7	50.5

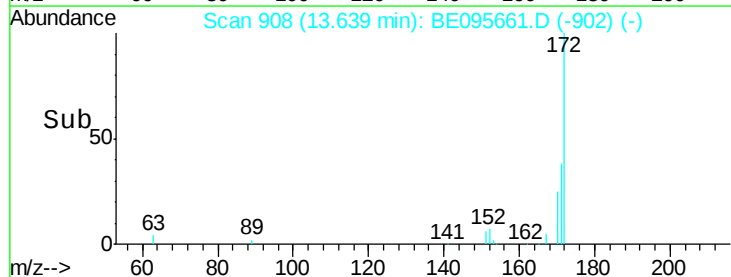
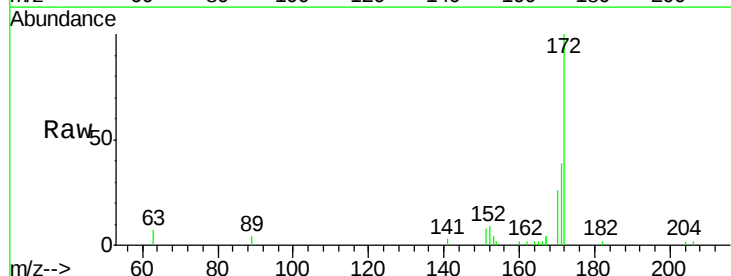
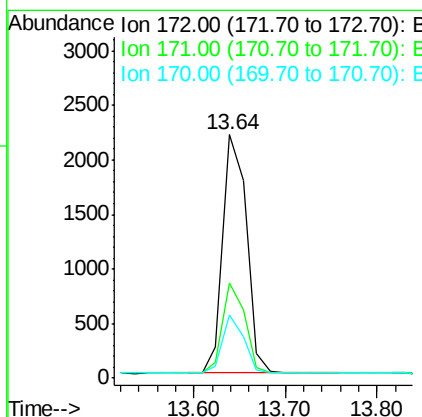
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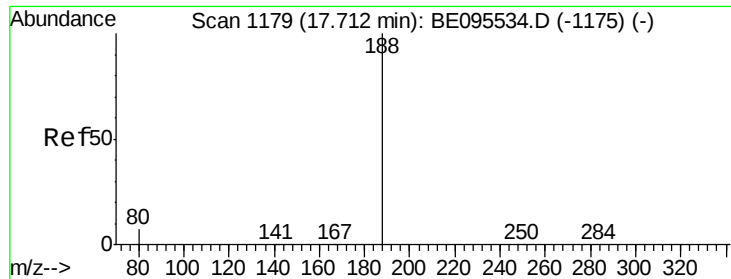
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#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.02 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.9	44.9
170	26.1	21.8	32.8





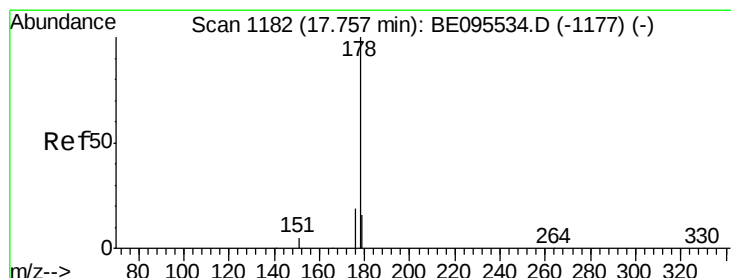
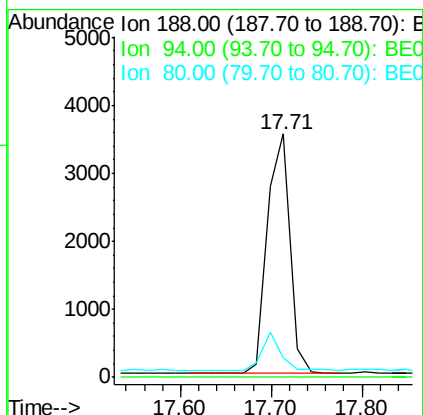
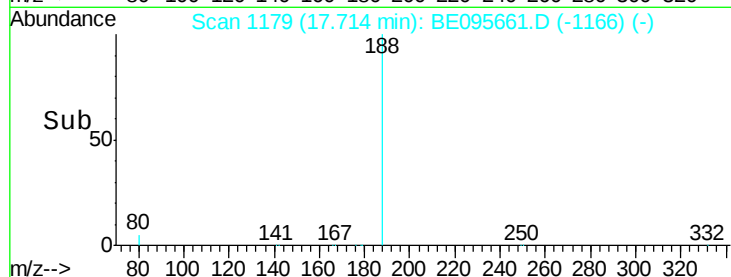
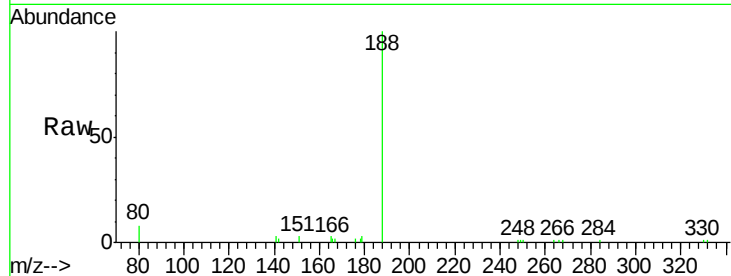
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.71 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	6142		
94	0.0	3.9	5.9#	
80	8.0	3.6	5.4#	

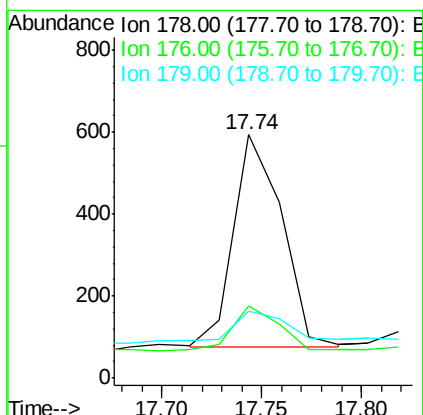
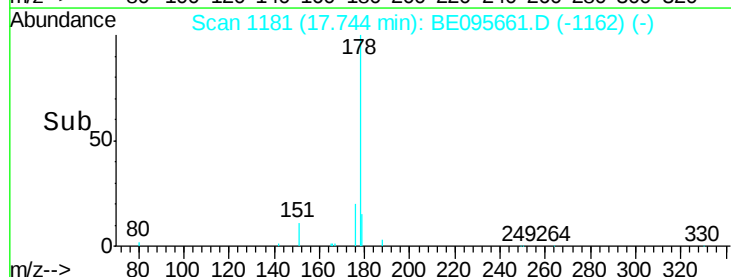
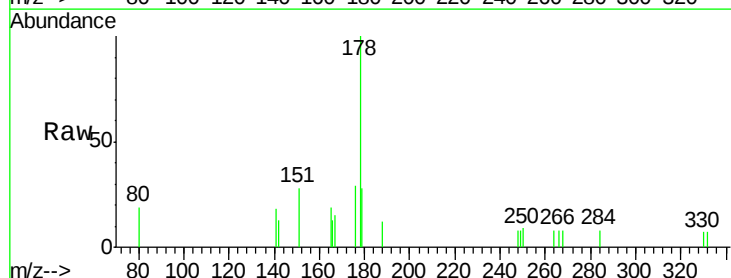
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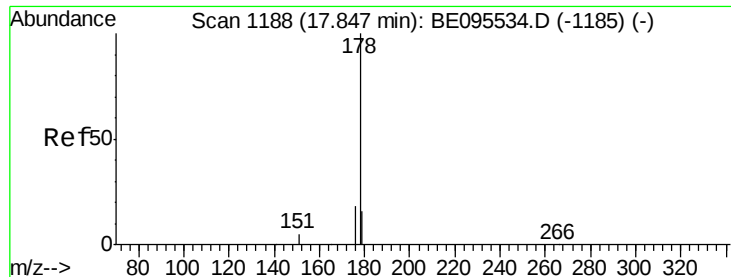
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#23
Phenanthrene
Concen: 0.05 ng m
RT: 17.74 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	871		
176	20.7	15.1	22.7	
179	14.6	11.8	17.6	





#24

Anthracene

Concen: 0.03 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Instrument :

BNA_E

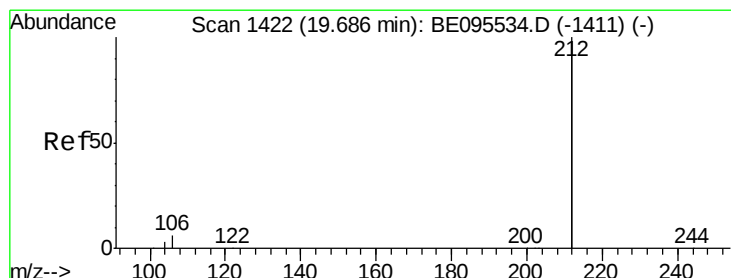
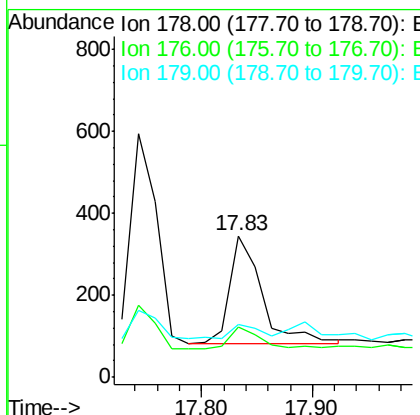
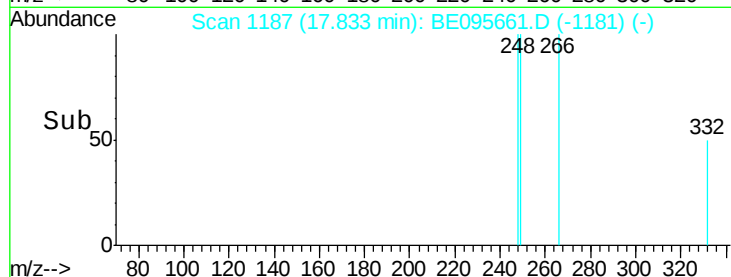
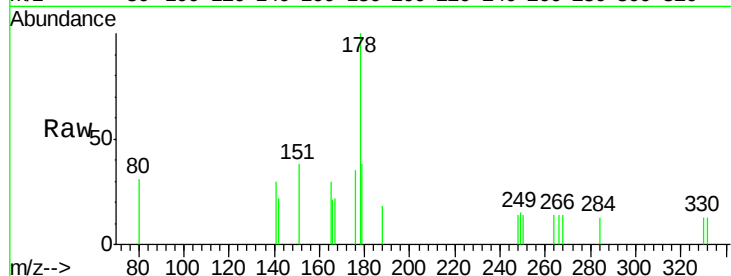
ClientSampleId :

MW-5

Tgt Ion:	178	Resp:	529
Ion Ratio	Lower	Upper	
178	100		
176	20.0	12.8	19.2#
179	11.5	13.0	19.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.32 ng

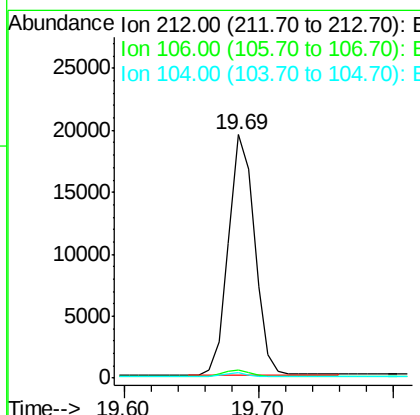
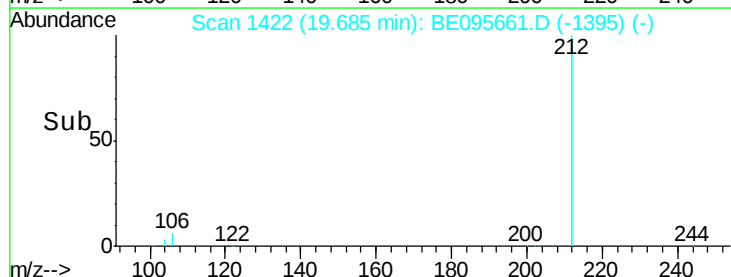
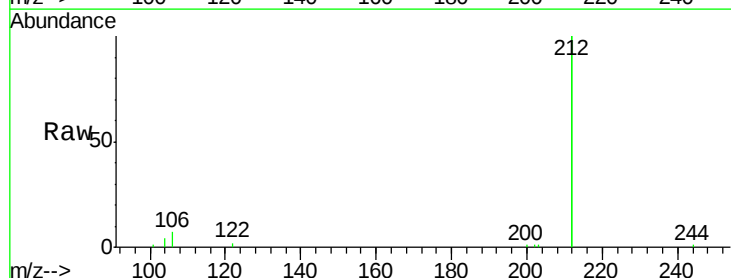
RT: 19.69 min Scan# 1422

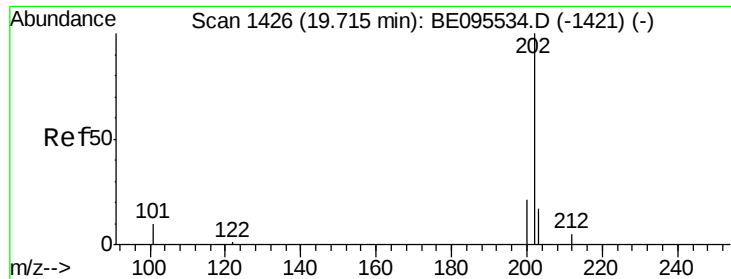
Delta R.T. -0.00 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Tgt Ion:	212	Resp:	26042
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4





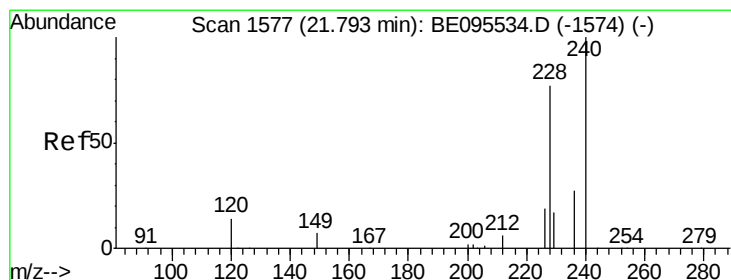
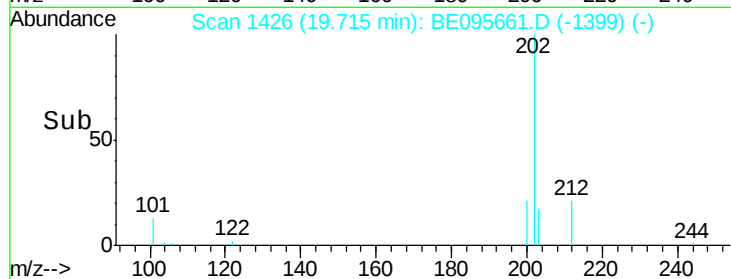
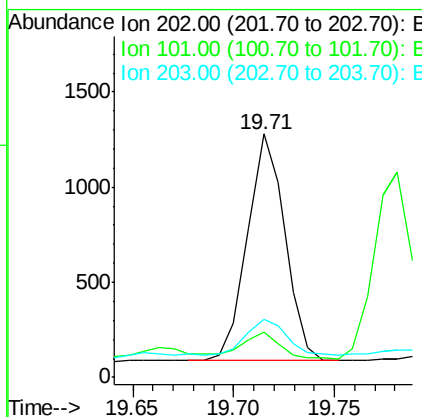
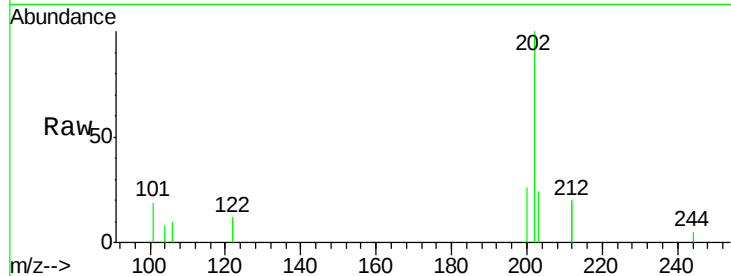
#26
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.71 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Instrument :
 BNA_E
 ClientSampleId :
 MW-5

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1554		
101	11.1	9.8	14.8	
203	18.1	13.7	20.5	

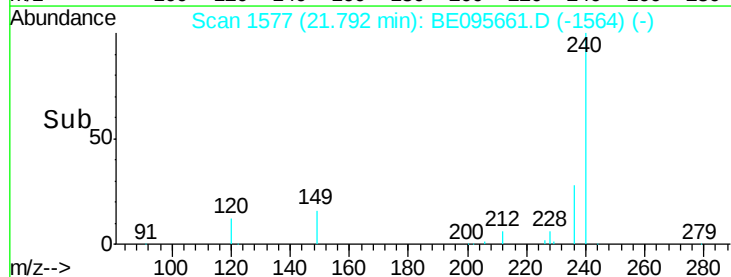
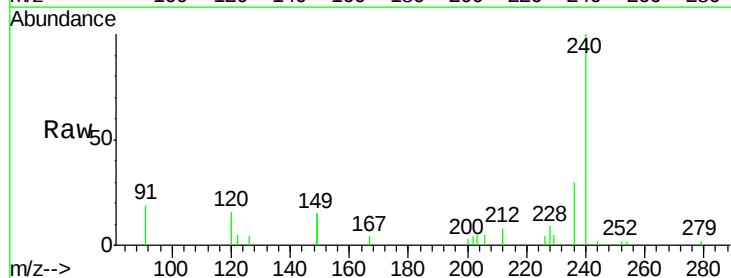
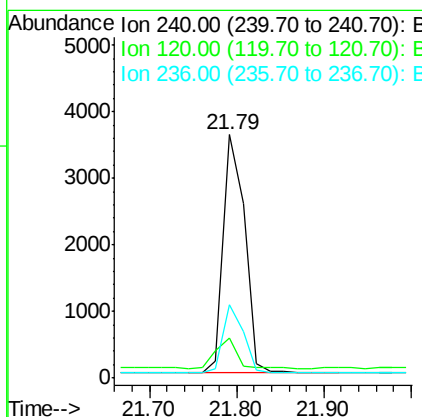
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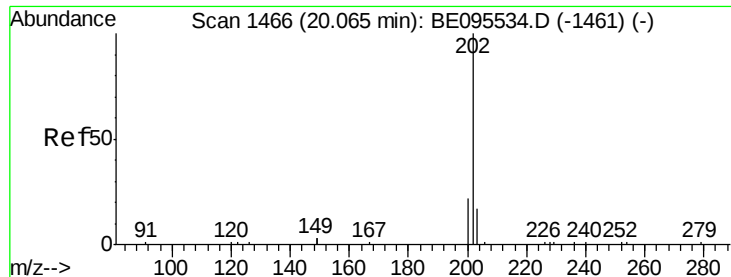
Sohil
 2/13/2018 11:27:21 AM



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.79 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	6098		
120	16.3	5.5	8.3#	
236	30.2	20.7	31.1	





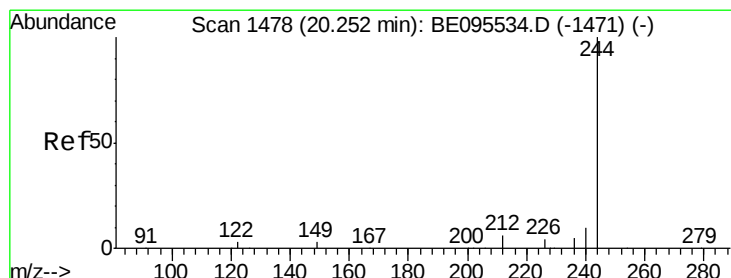
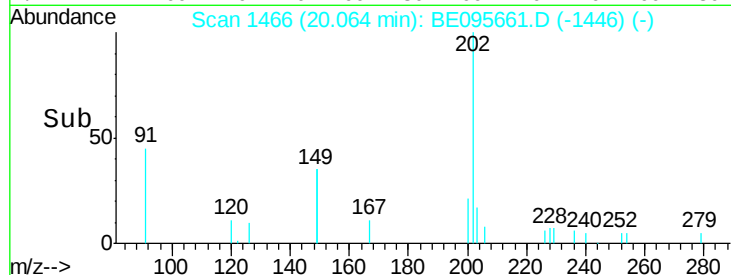
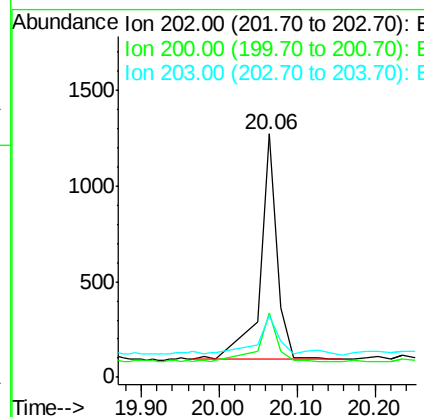
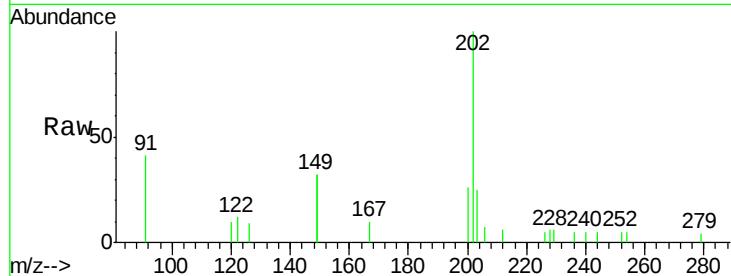
#28
Pyrene
Concen: 0.06 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Instrument :
BNA_E
ClientSampleId :
MW-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	26.9	16.6	25.0#
203	21.4	13.8	20.8#

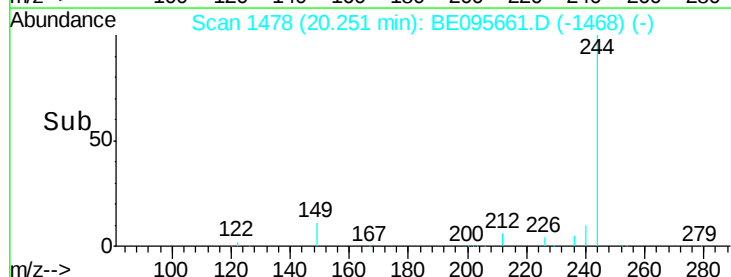
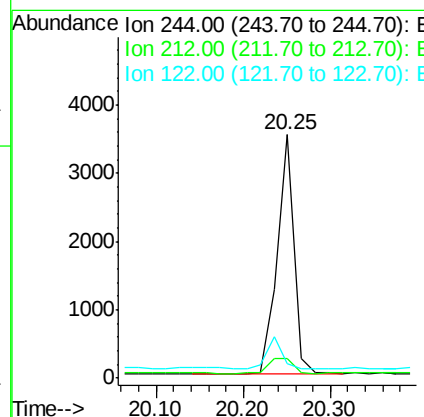
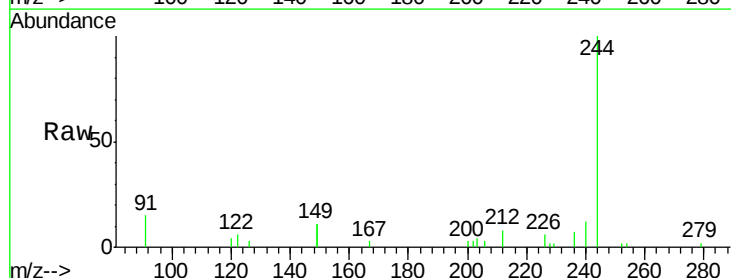
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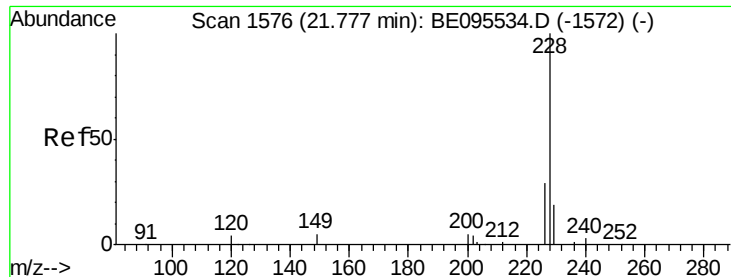
Sohil
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#29
Terphenyl-d14
Concen: 0.36 ng
RT: 20.25 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.2	25.4	38.0#
122	6.1	8.1	12.1#





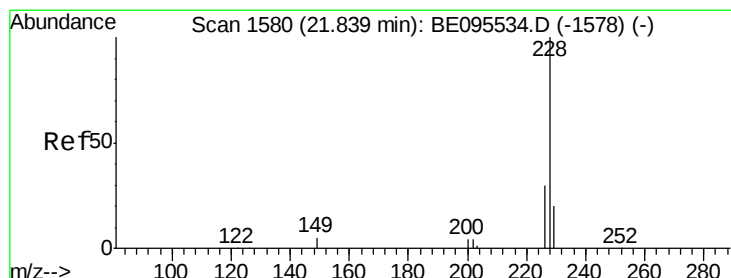
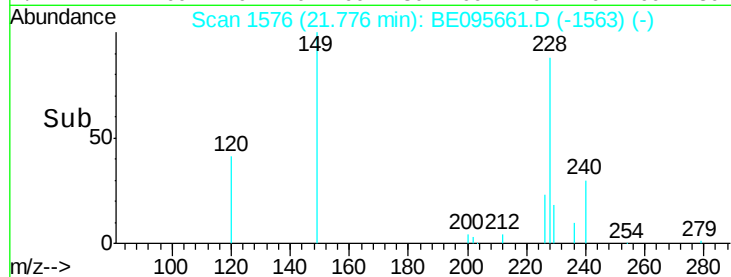
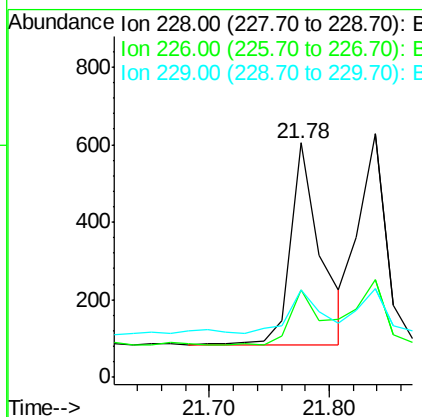
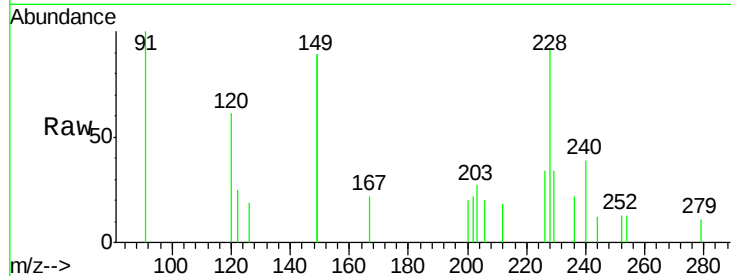
#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.78 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Instrument :
BNA_E
ClientSampleId :
MW-5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.3	24.0	36.0#
229	37.6	16.0	24.0#

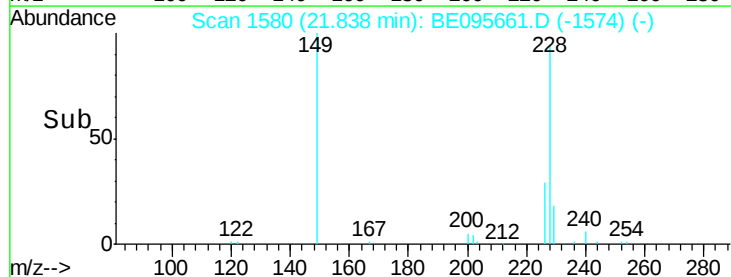
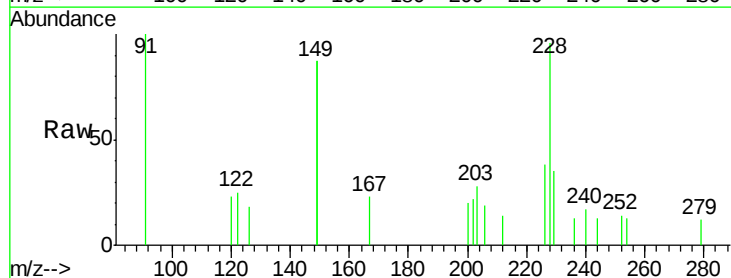
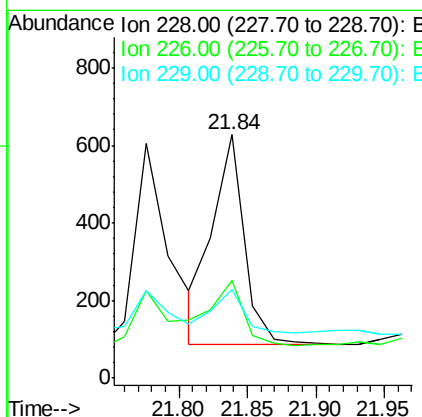
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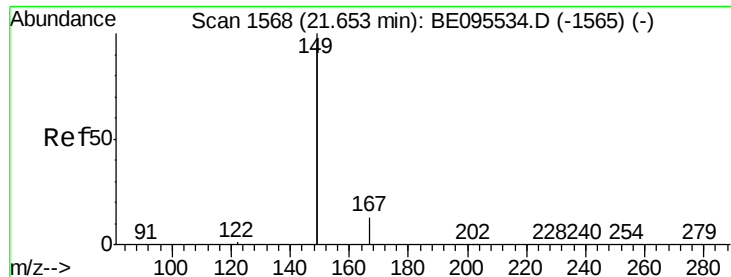
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#31
Chrysene
Concen: 0.04 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BE095661.D
Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.0	24.0	36.0#
229	36.5	16.0	24.0#





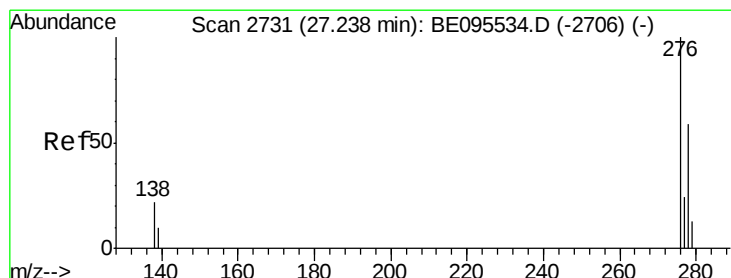
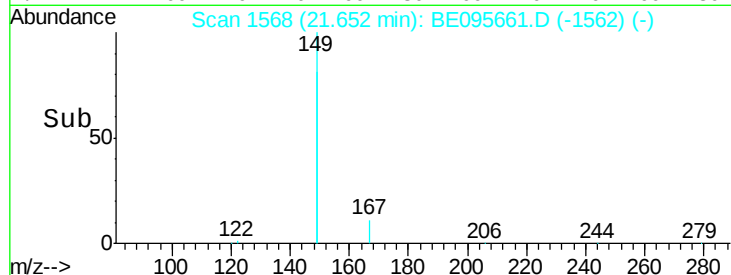
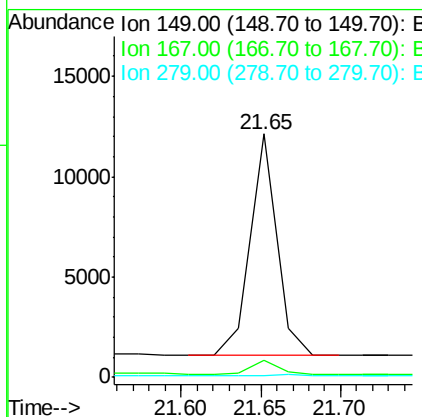
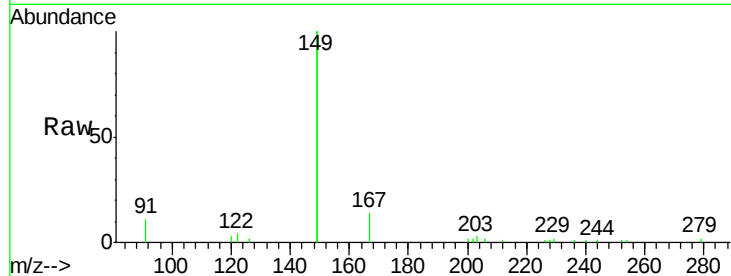
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.27 ng
 RT: 21.65 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Instrument :
 BNA_E
 ClientSampleId :
 MW-5

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.8	0.7	1.1

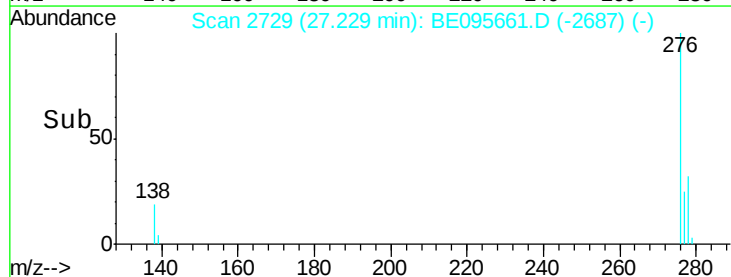
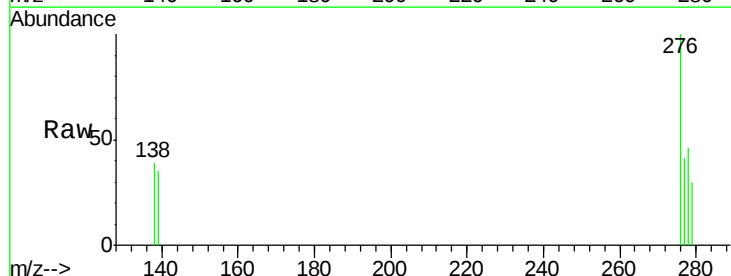
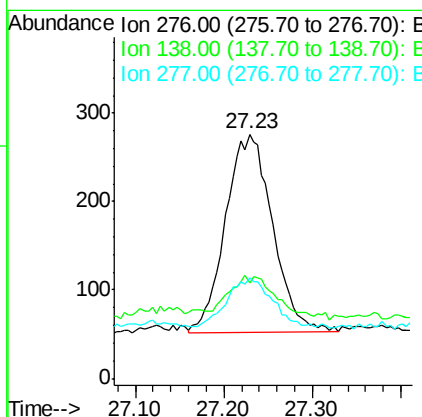
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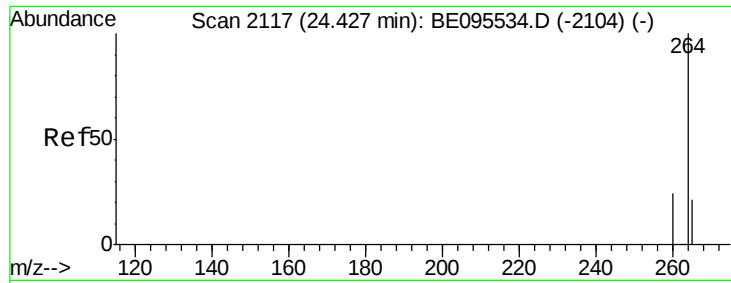
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 27.23 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.3	22.5	33.7#
277	23.3	19.9	29.9





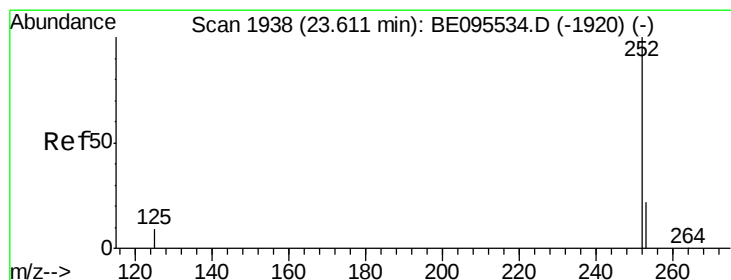
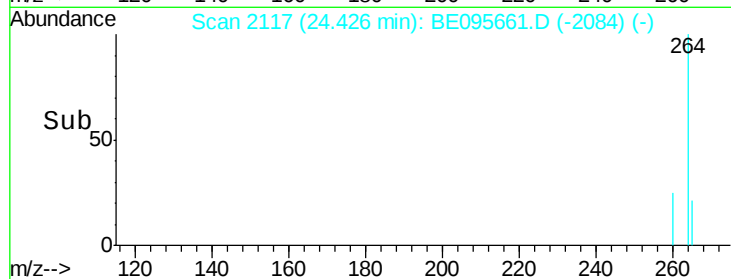
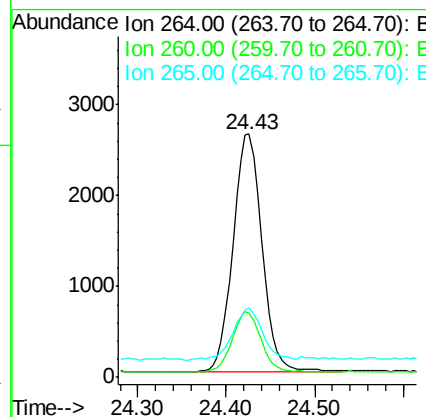
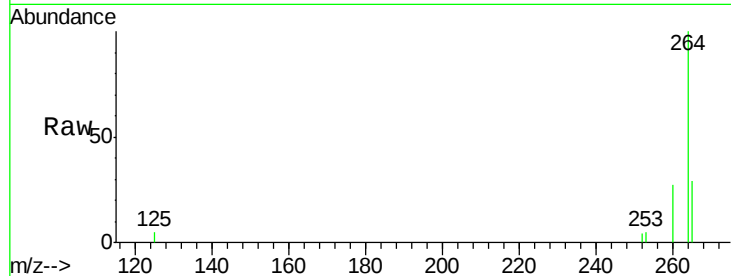
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 24.43 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Instrument :
 BNA_E
 ClientSampleId :
 MW-5

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	5925		
260	26.7		20.5	30.7
265	28.7		22.8	34.2

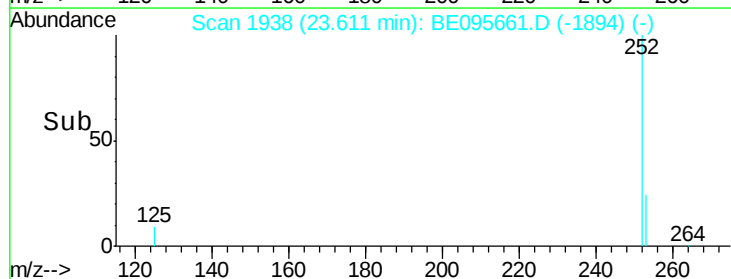
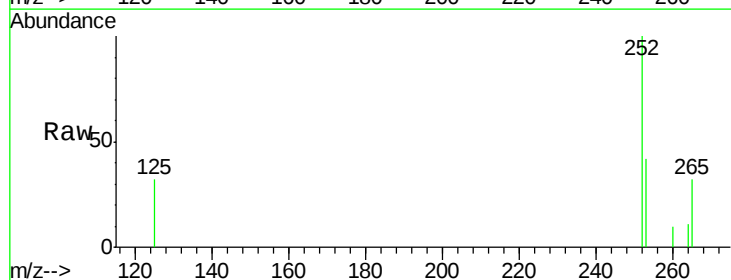
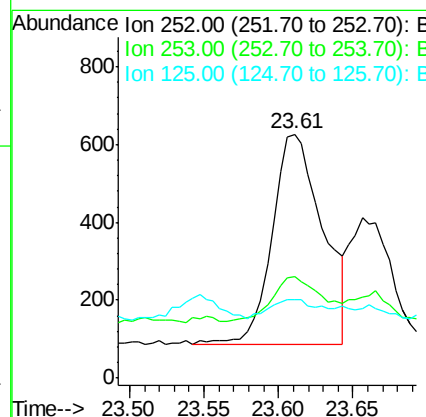
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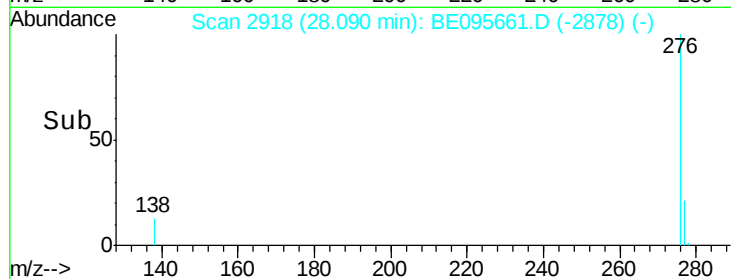
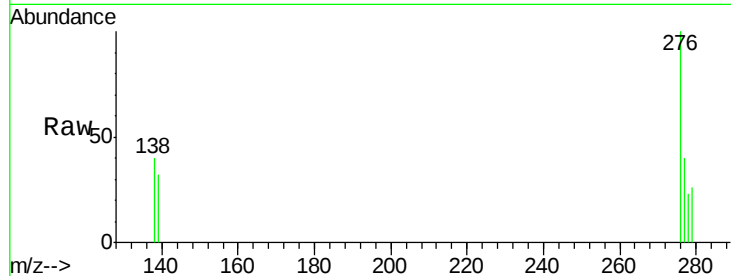
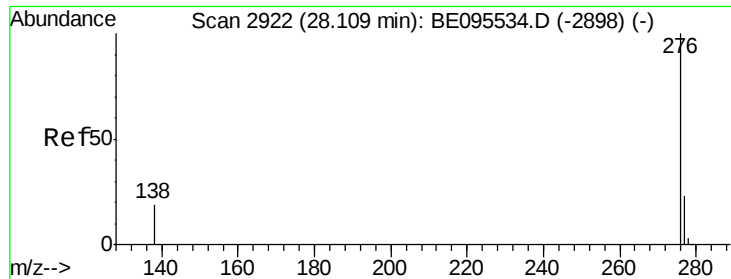
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#35
 Benzo(b)fluoranthene
 Concen: 0.06 ng
 RT: 23.61 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: BE095661.D
 Acq: 12 Feb 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1274		
253	41.9		20.0	30.0#
125	31.9		16.0	24.0#





#39

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 28.09 min Scan# 2918

Delta R.T. -0.02 min

Lab File: BE095661.D

Acq: 12 Feb 2018 14:57

Instrument :

BNA_E

ClientSampleId :

MW-5

Tgt Ion: 276 Resp: 829

Ion Ratio Lower Upper

276 100

277 39.7 16.0 24.0#

138 40.1 20.0 30.0#

Manual Integrations
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