

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
 Data File : BE097999.D
 Acq On : 19 Oct 2018 19:42
 Operator : SJ/JU
 Sample : J5521-13DL2 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01DL2

Manual Integrations
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 10/22/2018 5:06:15 PM

Quant Time: Oct 20 00:24:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2144	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	11224	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	9828	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	19004	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	21760	0.40	ng	-0.01
34) Perylene-d12	24.03	264	21521	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	38	0.01	ng	-0.01
5) Phenol-d6	7.05	99	75	0.01	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1147	0.11	ng	-0.03
11) 2-Methylnaphthalene-d10	12.28	152	611	0.03	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	43	0.01	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	204m	0.01	ng	-0.01
25) Fluoranthene-d10	19.32	212	2475	0.01	ng	-0.01
29) Terphenyl-d14	19.92	244	762	0.02	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.73	128	11495	0.103	ng	# 59
12) 2-Methylnaphthalene	12.35	142	38163	1.993	ng	# 96
17) Acenaphthene	14.60	154	11104	0.400	ng	# 43
18) Fluorene	15.59	166	34115	0.894	ng	# 72
23) Phenanthrene	17.34	178	96814	2.005	ng	# 95
26) Fluoranthene	19.35	202	7337	0.116	ng	# 94
28) Pyrene	19.71	202	11147	0.178	ng	# 80
30) Benzo(a)anthracene	21.45	228	3427	0.051	ng	# 79
31) Chrysene	21.51	228	2249	0.036	ng	# 80
35) Benzo(b)fluoranthene	23.24	252	2928	0.047	ng	# 54
37) Benzo(a)pyrene	23.92	252	2112	0.035	ng	# 46

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

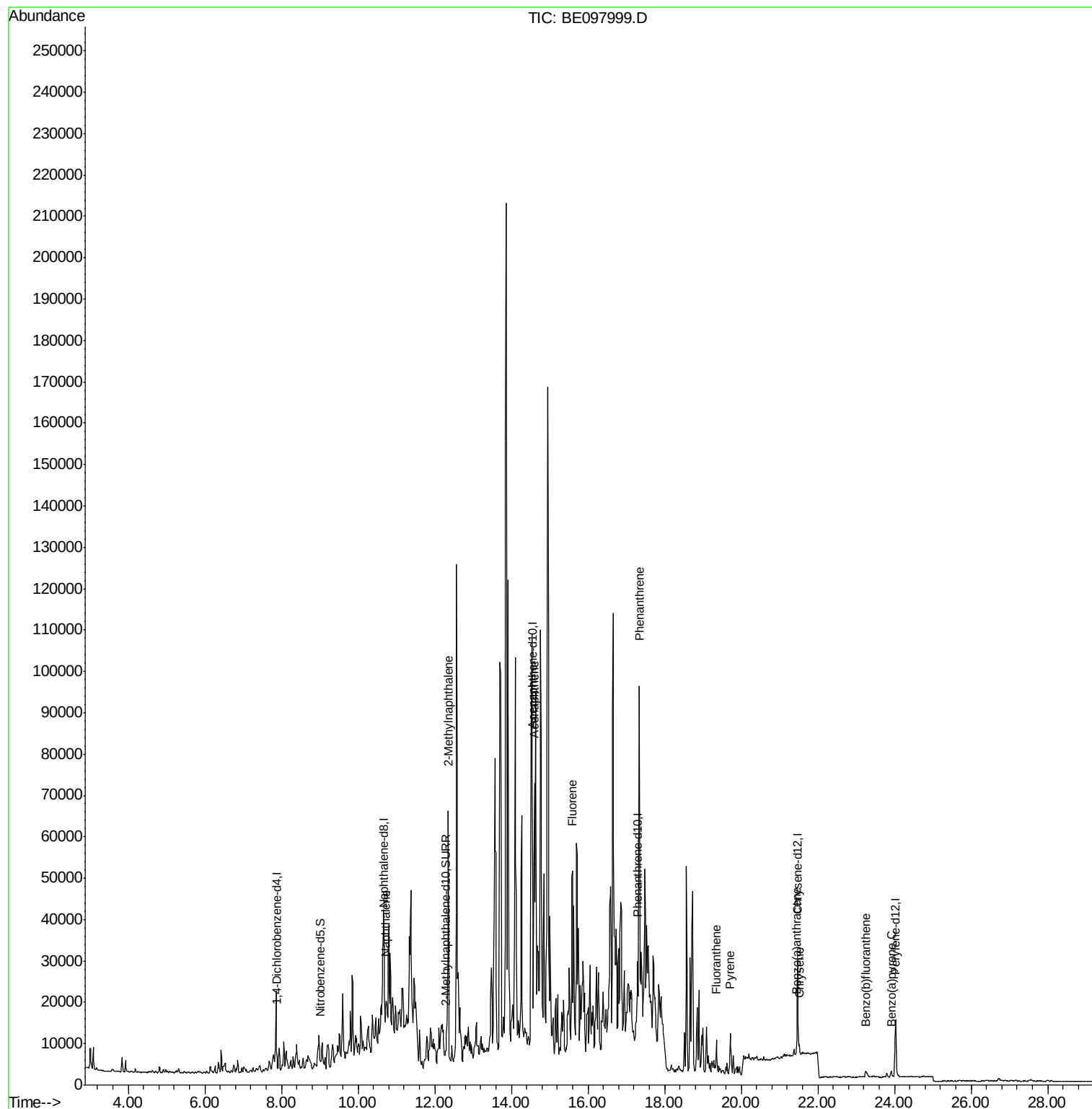
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
Data File : BE097999.D
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ALS Vial : 13 Sample Multiplier: 1

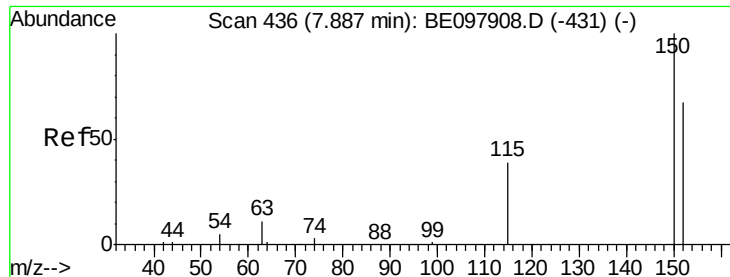
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
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#1

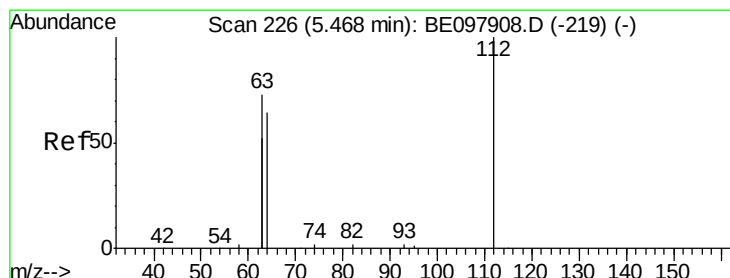
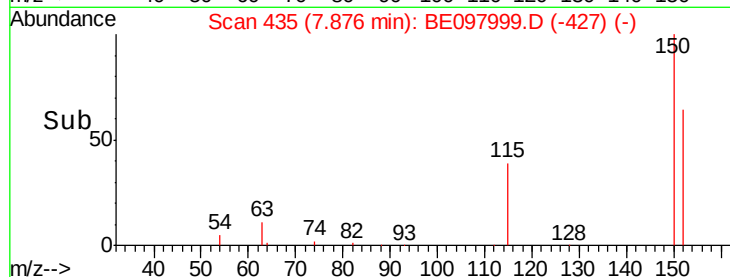
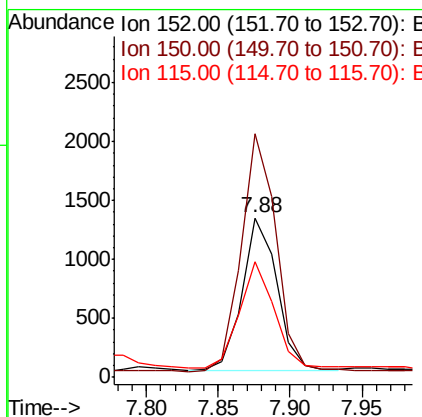
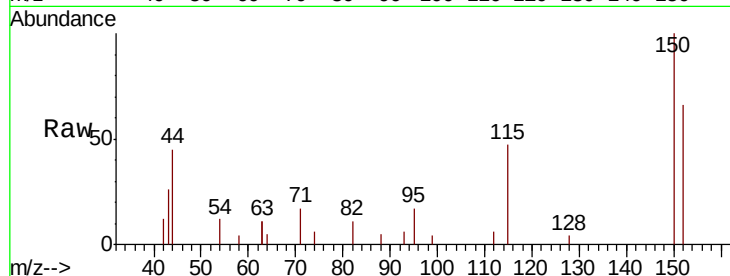
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampled :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	118.2	177.4
115	72.1	50.9	76.3

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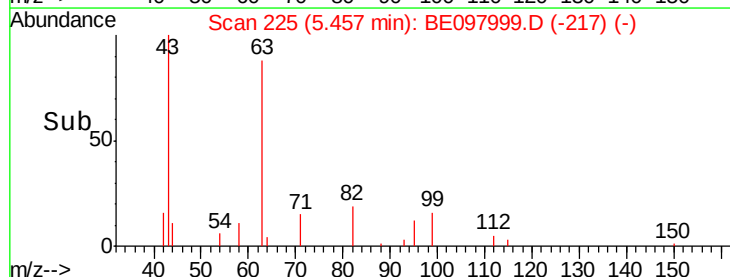
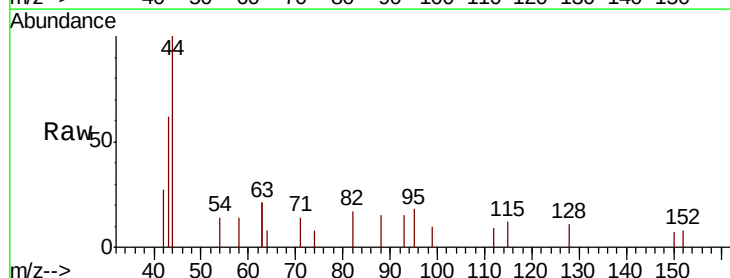
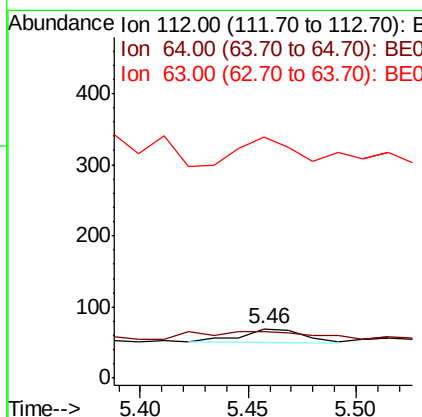
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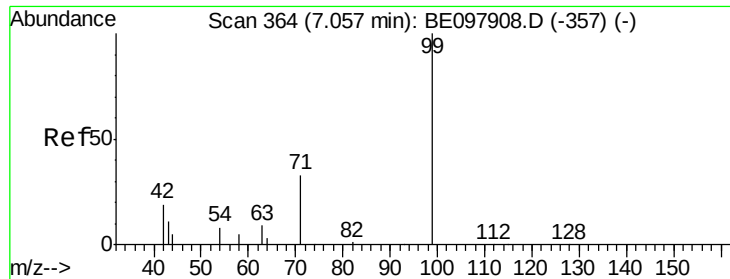


#4

2-Fluorophenol
Concen: 0.006 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	58.9	88.3#
63	178.9	120.3	180.5





#5

Phenol-d6

Concen: 0.008 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097999.D

Acq: 19 Oct 2018 19:42

Instrument :

BNA_E

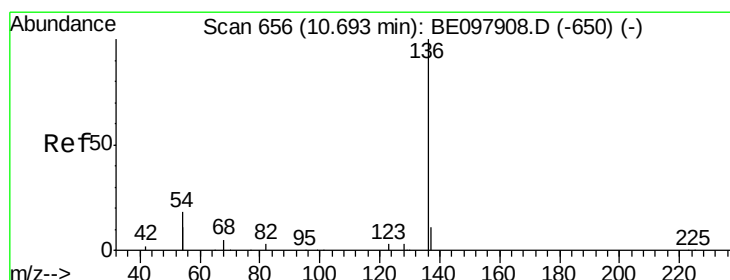
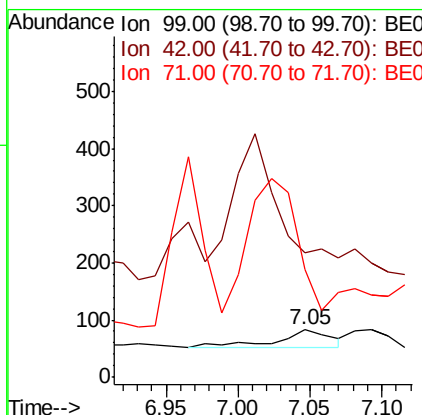
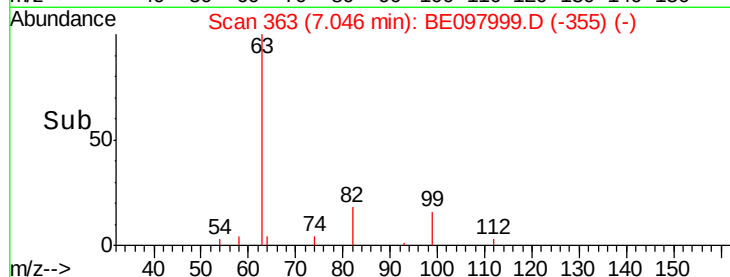
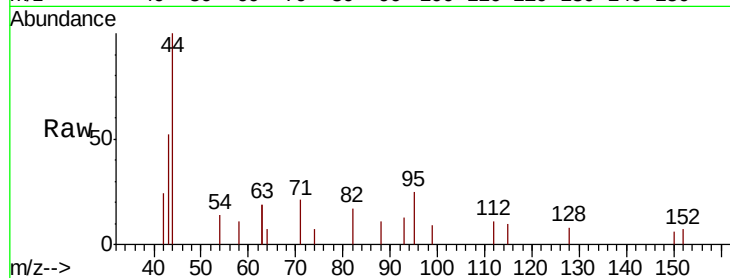
ClientSampleId :

TWP-01DL2

Tot Ion:	99	Resp:	75
Ion	Ratio	Lower	Upper
99	100		
42	0.0	19.9	29.9#
71	0.0	27.8	41.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

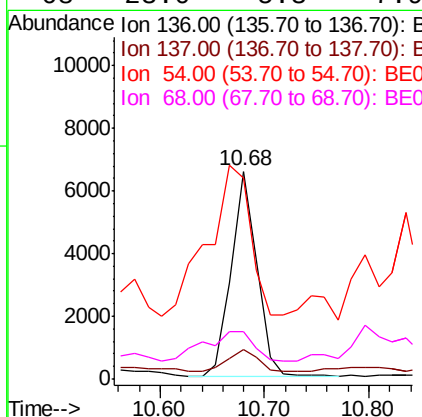
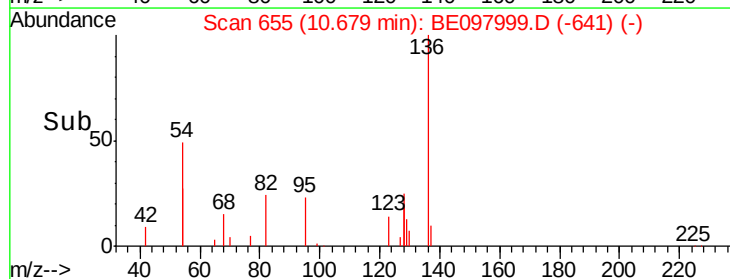
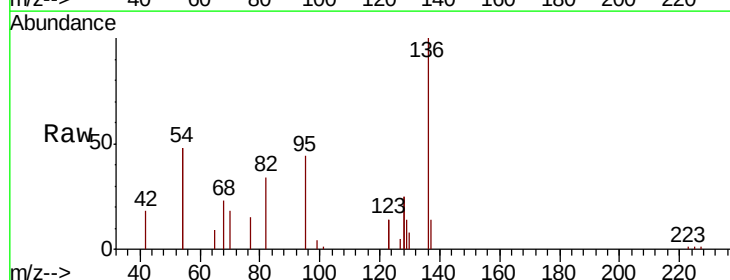
RT: 10.68 min Scan# 655

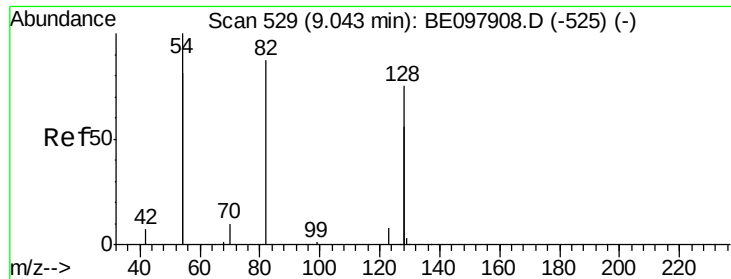
Delta R.T. -0.01 min

Lab File: BE097999.D

Acq: 19 Oct 2018 19:42

Tgt Ion:	136	Resp:	11224
Ion	Ratio	Lower	Upper
136	100		
137	14.5	9.6	14.4#
54	96.5	27.7	41.5#
68	23.0	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.108 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.03 min

Lab File: BE097999.D

Acq: 19 Oct 2018 19:42

Instrument :

BNA_E

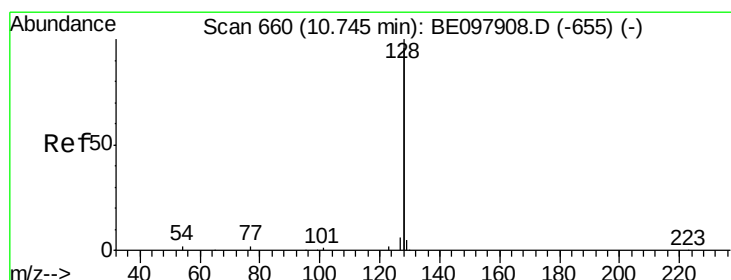
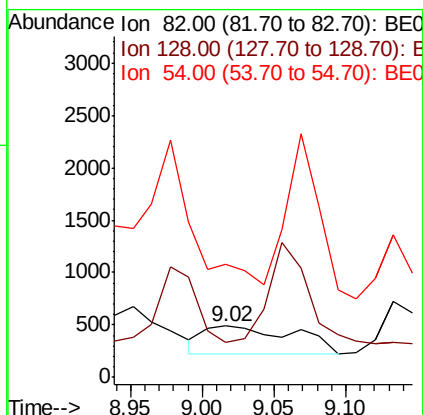
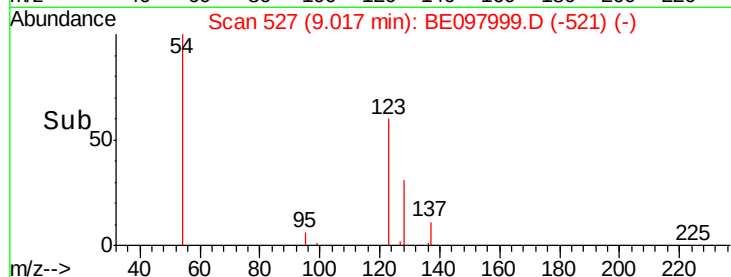
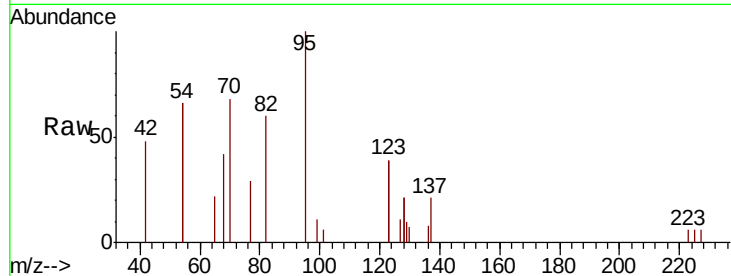
ClientSampled :

TWP-01DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	68.7	129.9	194.9#
54	219.5	174.0	261.0

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#9

Naphthalene

Concen: 0.103 ng

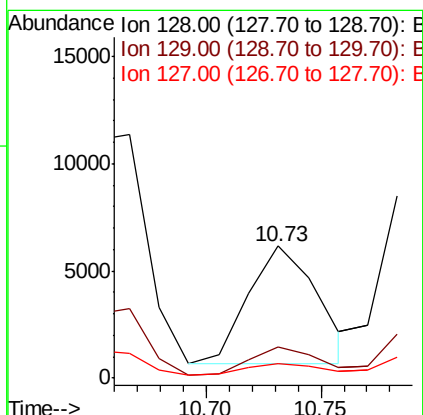
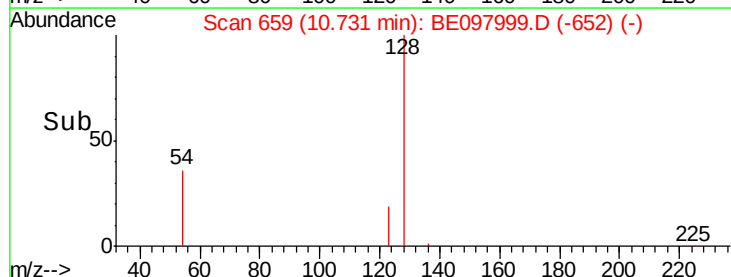
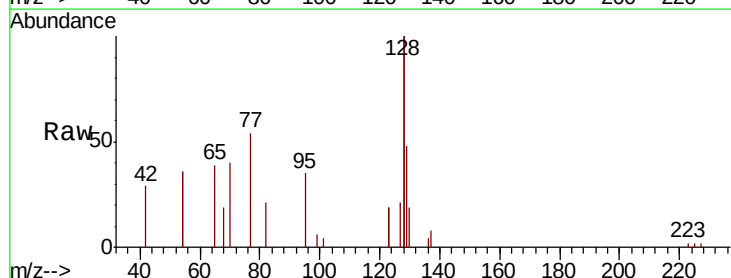
RT: 10.73 min Scan# 659

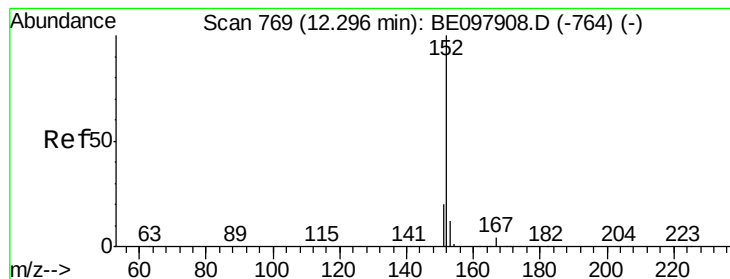
Delta R.T. -0.01 min

Lab File: BE097999.D

Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	23.8	2.5	3.7#
127	10.7	2.8	4.2#





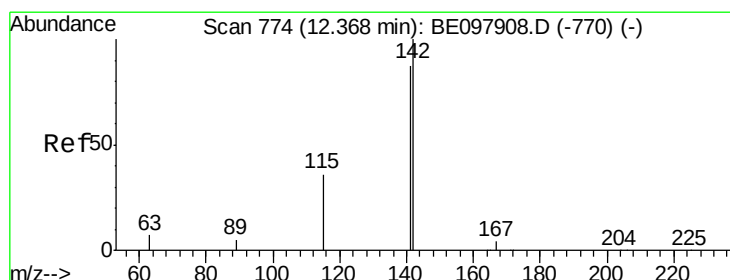
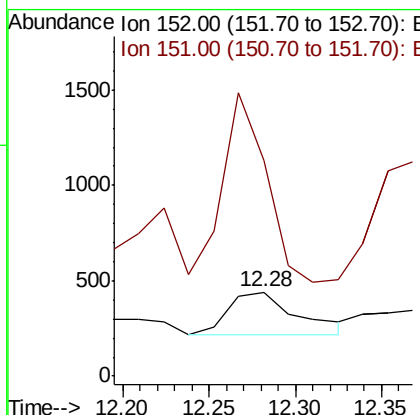
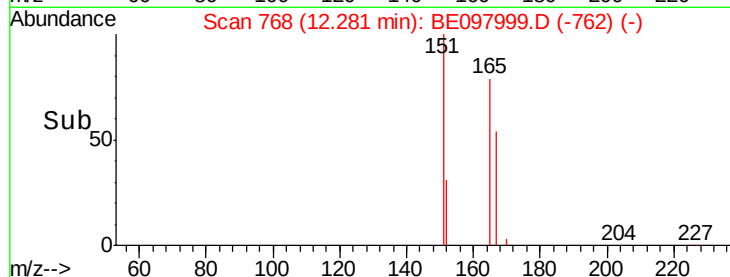
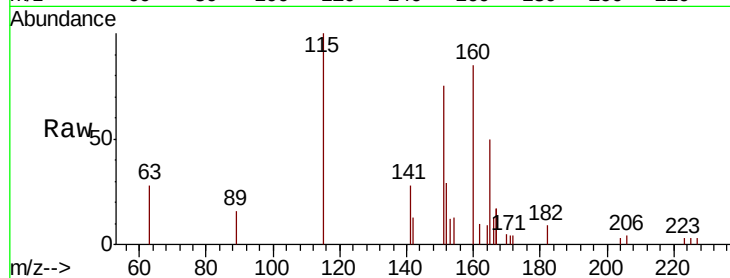
#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampleId :
TWP-01DL2

Tot Ion:152 Resp: 611
Ion Ratio Lower Upper
152 100
151 281.7 16.2 24.4#

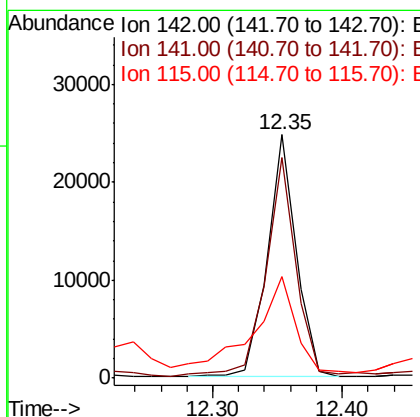
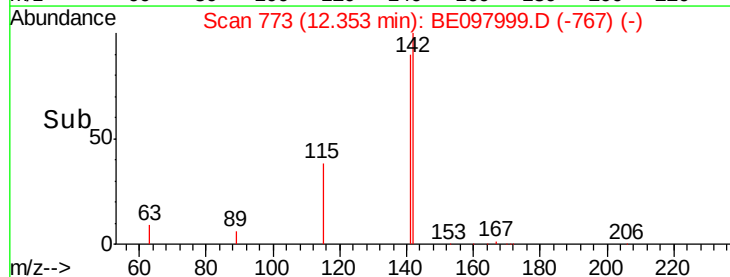
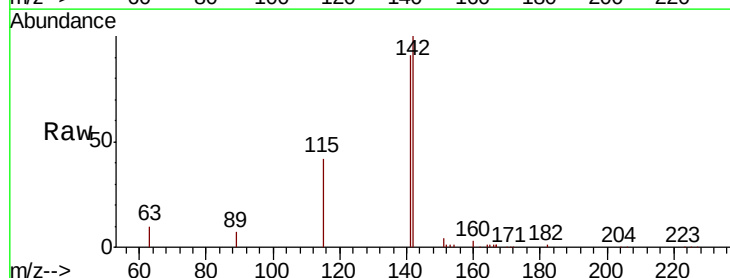
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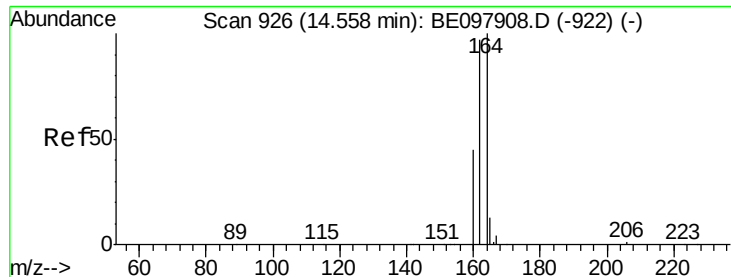
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#12
2-Methylnaphthalene
Concen: 1.993 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion:142 Resp: 38163
Ion Ratio Lower Upper
142 100
141 90.6 69.8 104.6
115 41.9 30.5 45.7





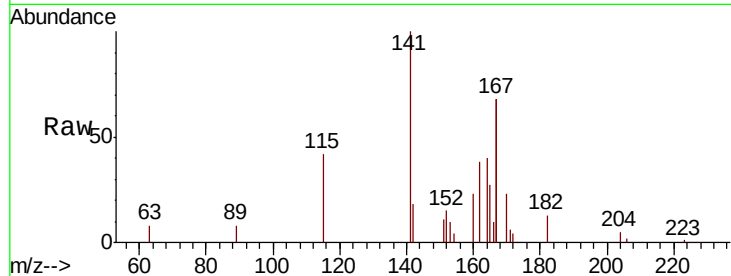
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampleId :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.6	77.4	116.2
160	56.7	36.5	54.7#

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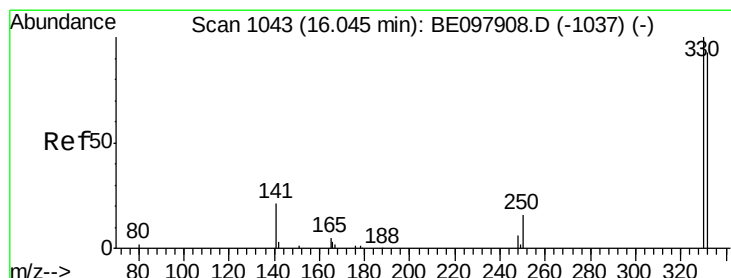
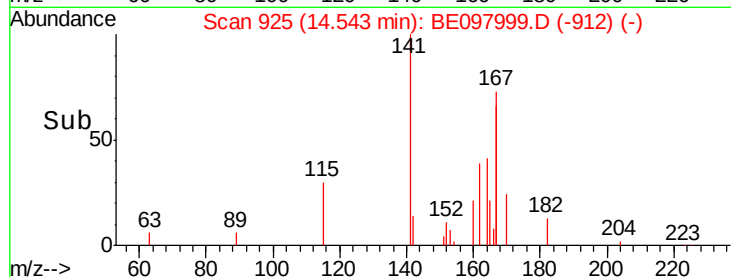
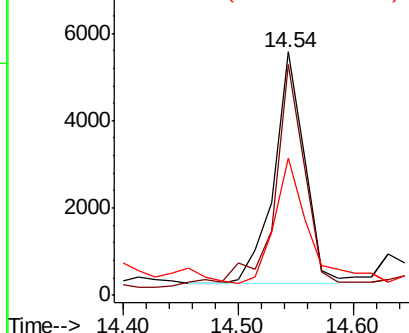


Abundance

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: 0.008 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

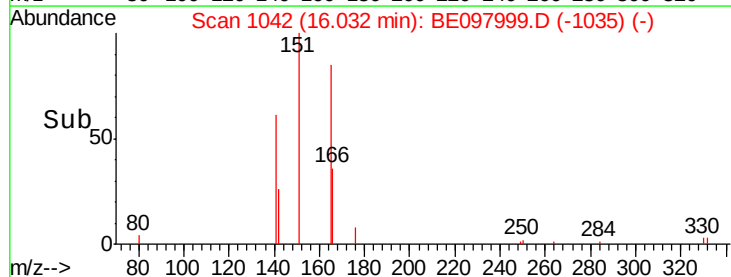
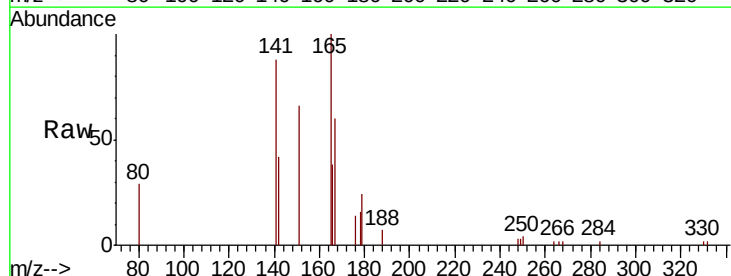
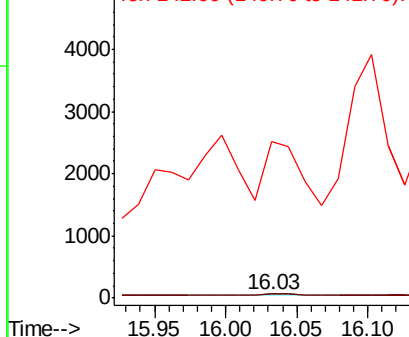
Tgt Ion	Ratio	Lower	Upper
330	100		
332	111.6	76.5	114.7
141	3893.0	31.8	47.6#

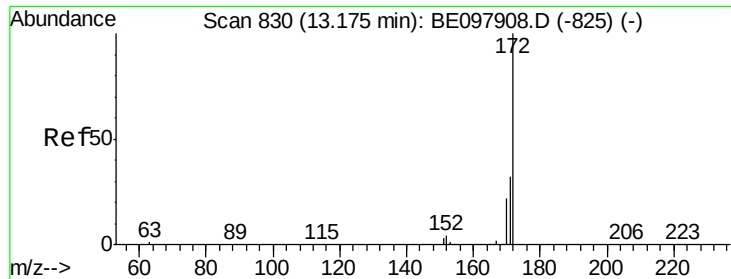
Abundance

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





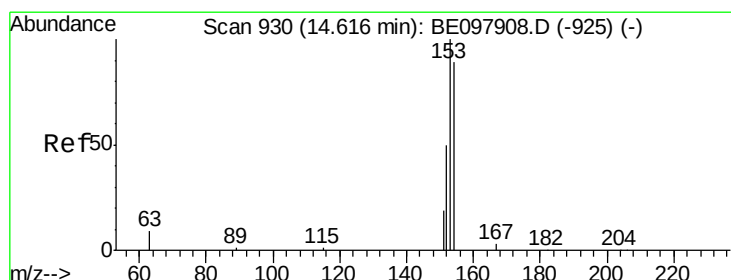
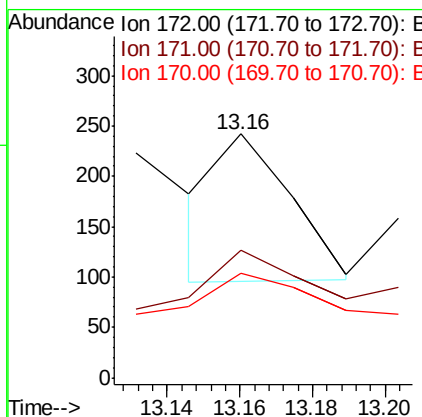
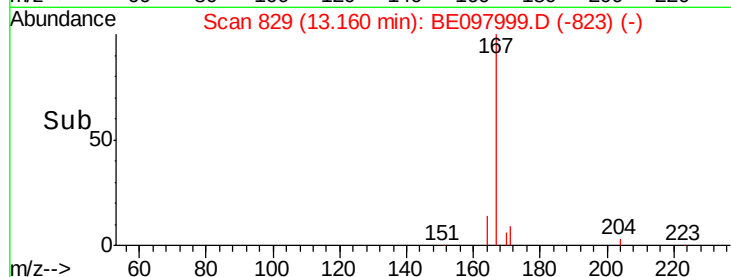
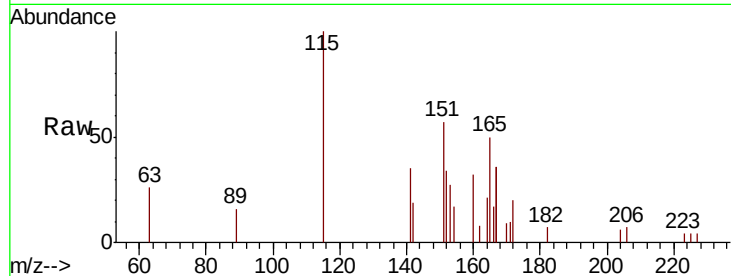
#15
2-Fluorobiphenyl
Concen: 0.005 ng/mL
RT: 13.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampleID :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	52.5	26.0	39.0#
170	43.0	18.0	27.0#

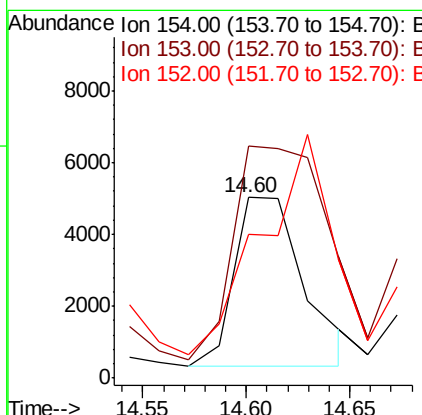
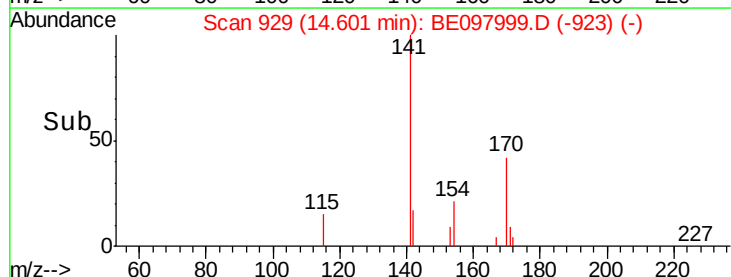
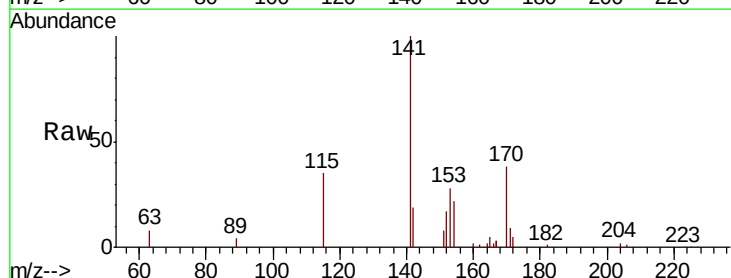
Manual Integrations
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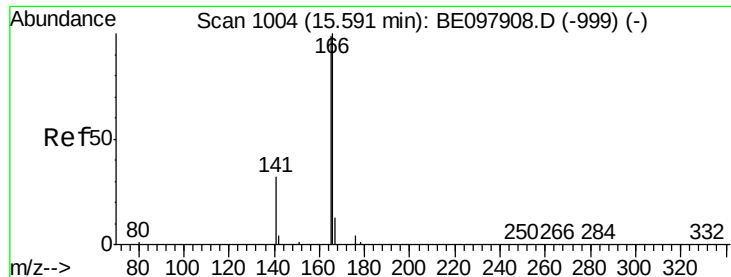
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#17
Acenaphthene
Concen: 0.400 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	167.1	92.6	139.0#
152	0.0	45.5	68.3#





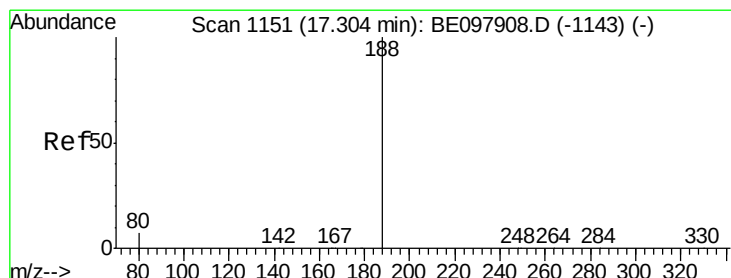
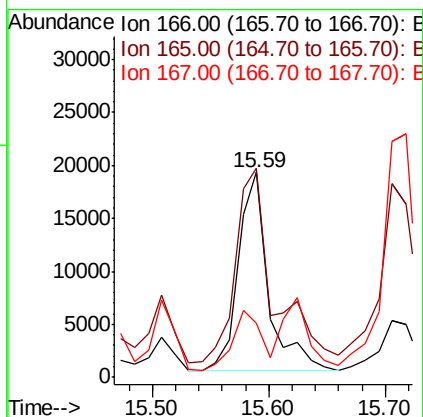
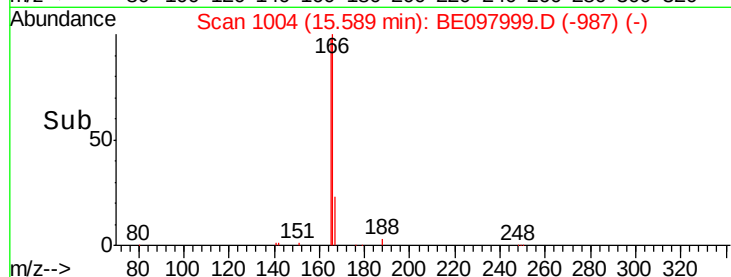
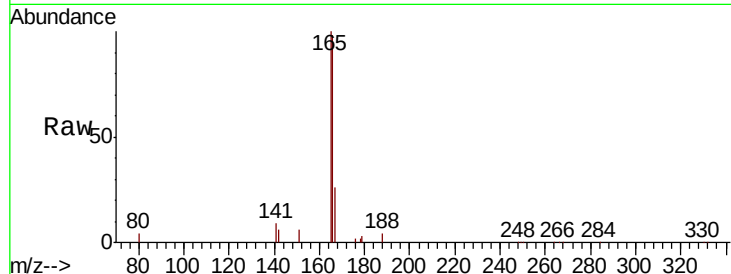
#18
Fluorene
 Concen: 0.894 ng
 RT: 15.59 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01DL2

Tot Ion	Ratio	Lower	Upper
166	100		
165	123.7	78.2	117.4#
167	29.0	11.0	16.6#

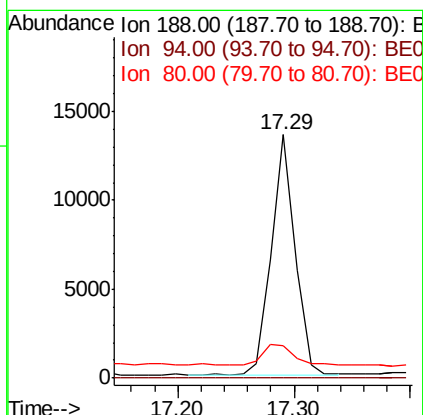
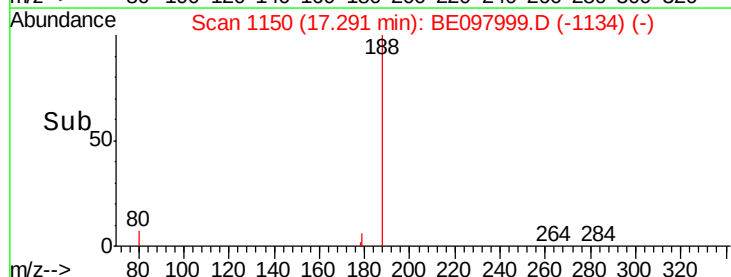
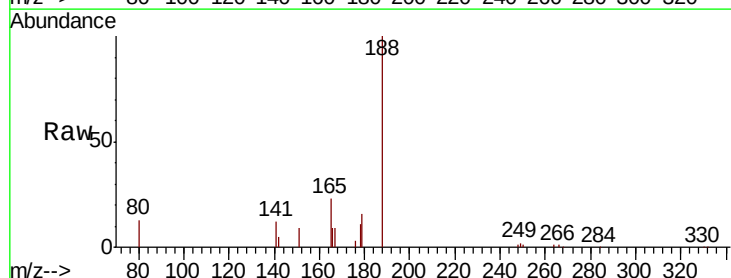
Manual Integrations
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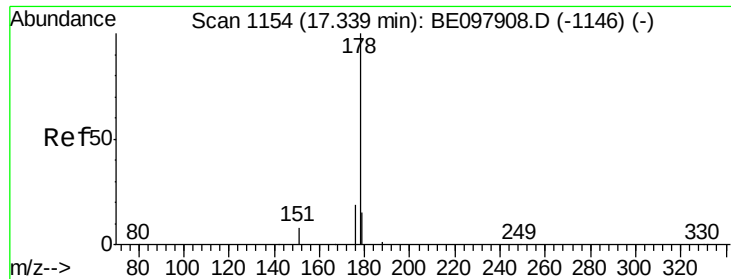
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.29 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	6.3	9.5#





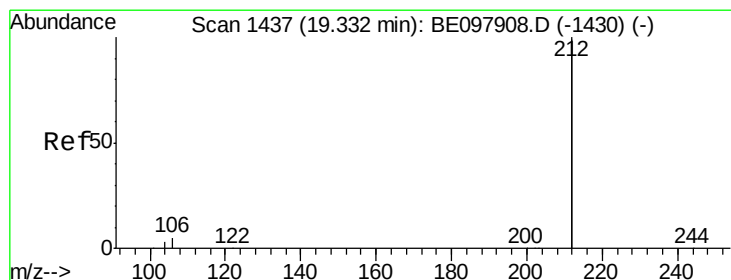
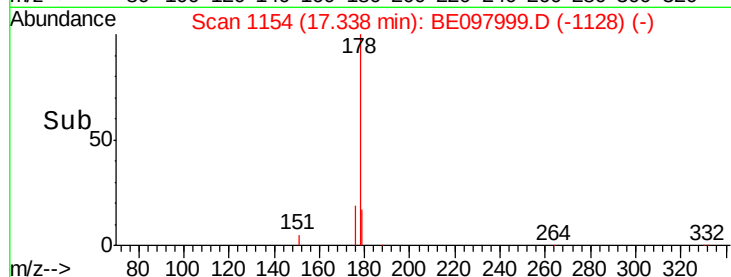
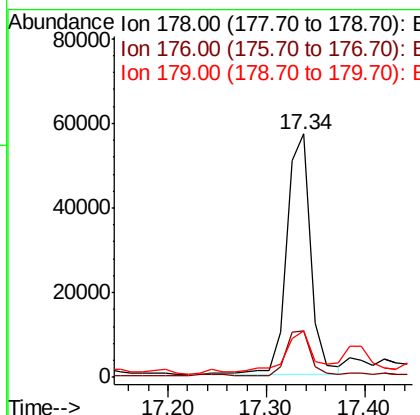
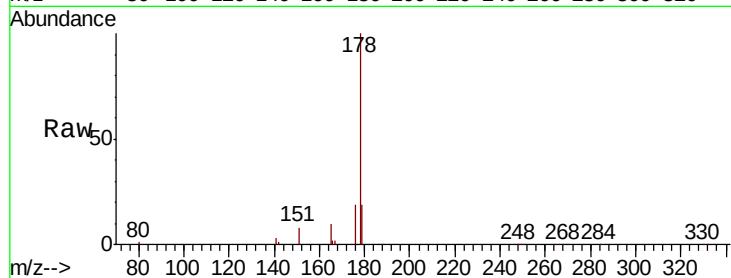
#23
Phenanthrene
Concen: 2.005 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampled :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	18.6	12.2	18.4

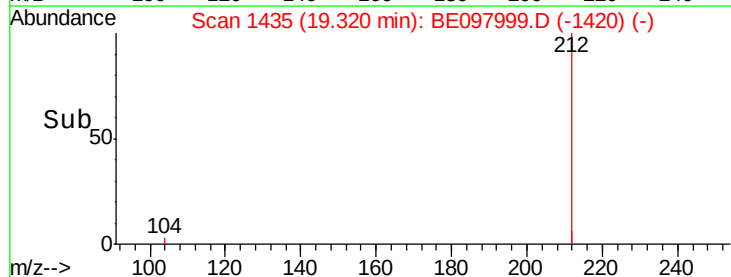
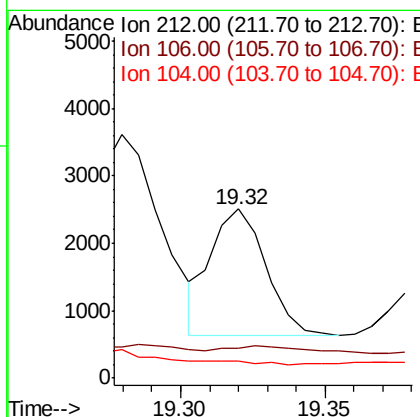
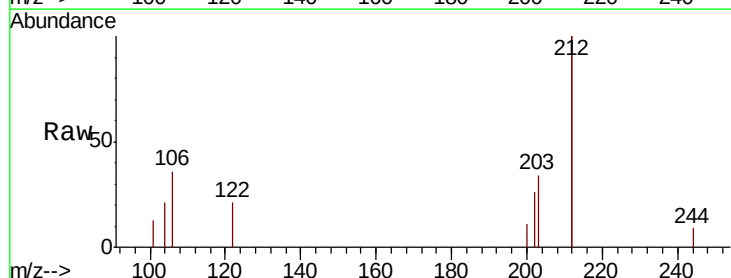
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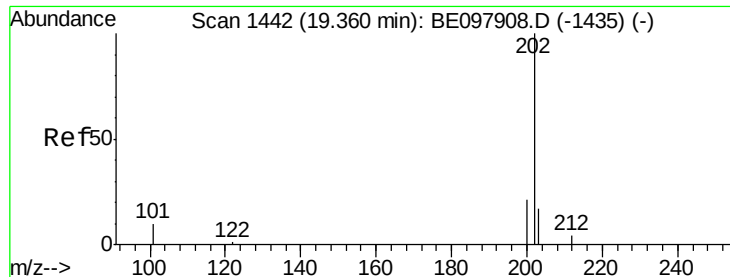
Sohil
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#25
Fluoranthene-d10
Concen: 0.010 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
212	100		
106	8.8	2.3	3.5
104	0.0	1.3	1.9





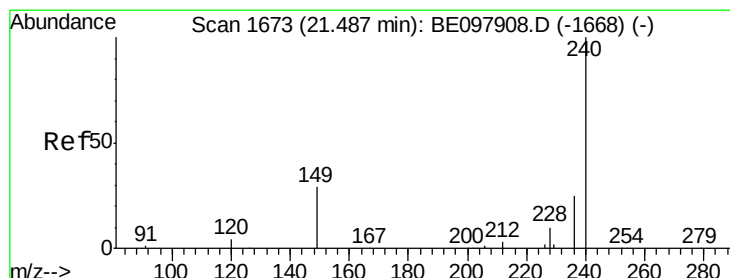
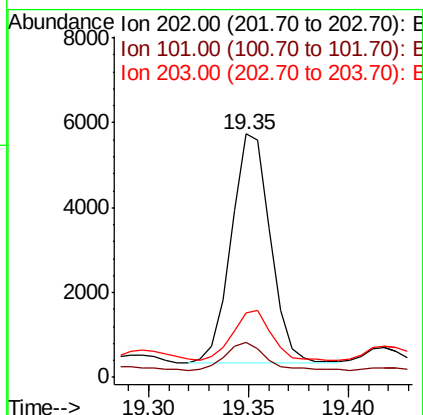
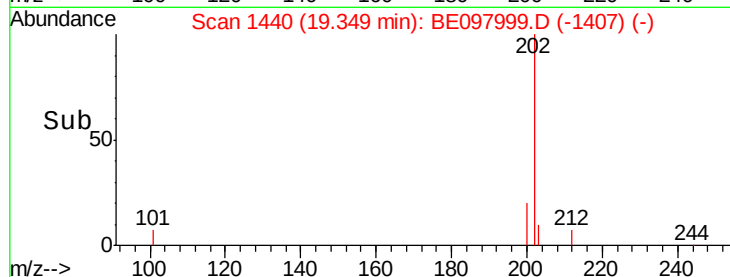
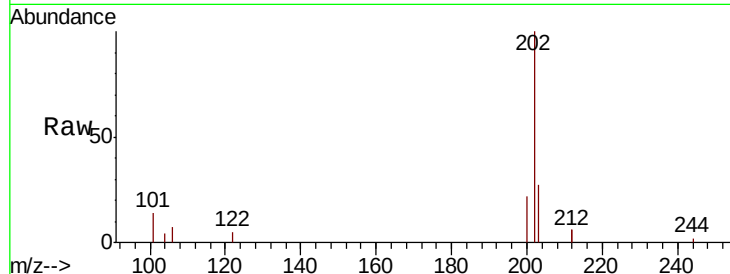
#26
 Fluoranthene
 Concen: 0.116 ng
 RT: 19.35 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01DL2

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	8.2	12.2#
203	21.1	15.0	22.4

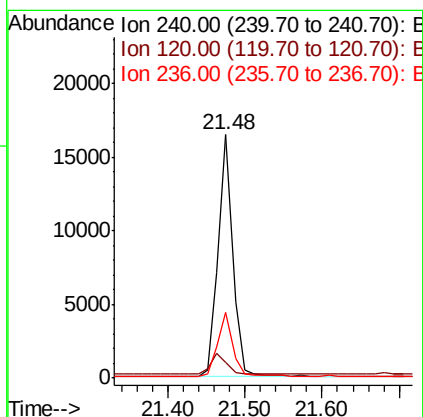
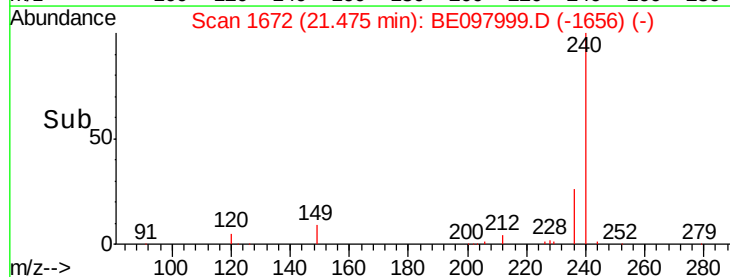
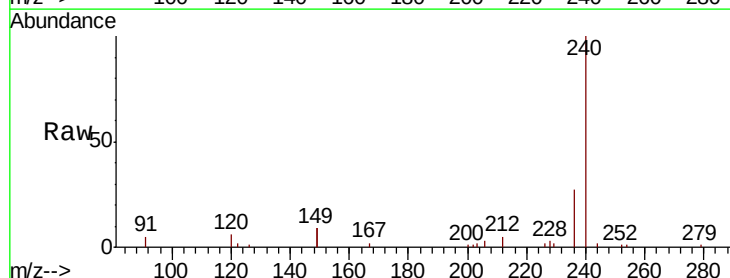
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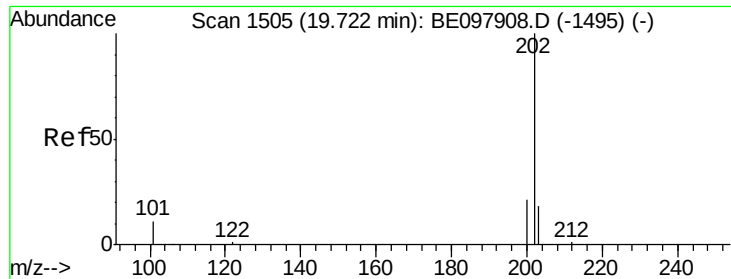
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.48 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	7.1	10.7#
236	27.1	21.3	31.9





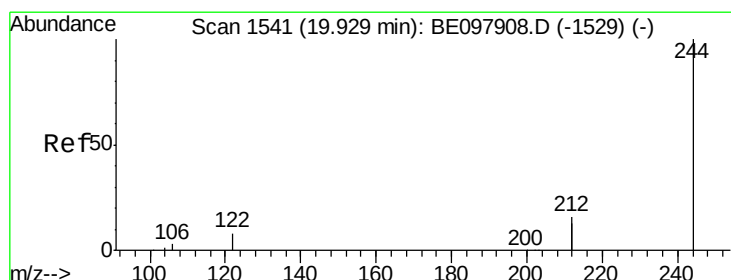
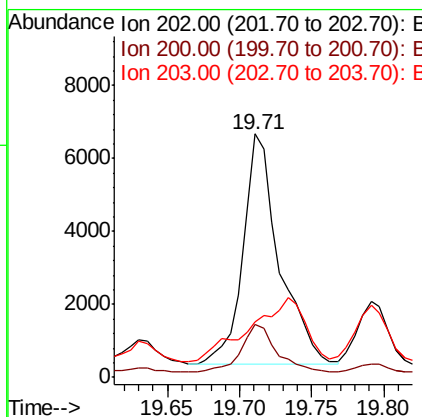
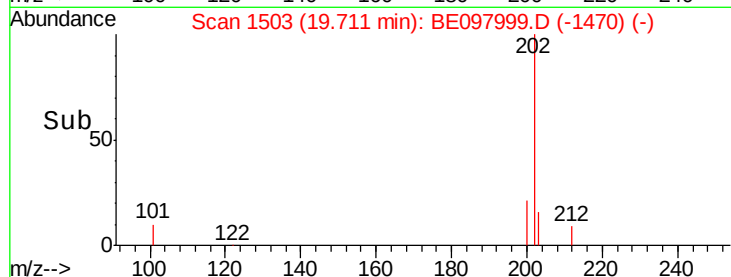
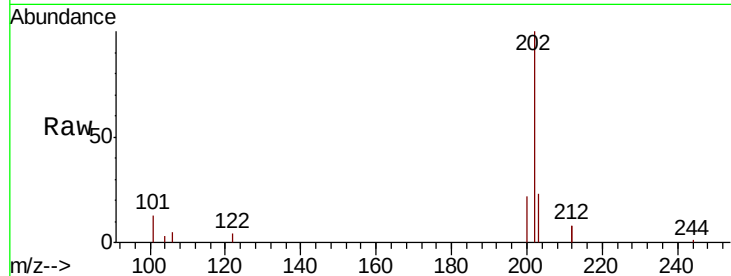
#28
Pvrene
Concen: 0.178 ng
RT: 19.71 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampleId :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.4
203	0.0	14.2	21.4

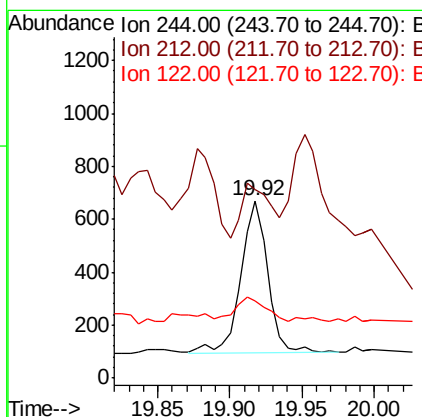
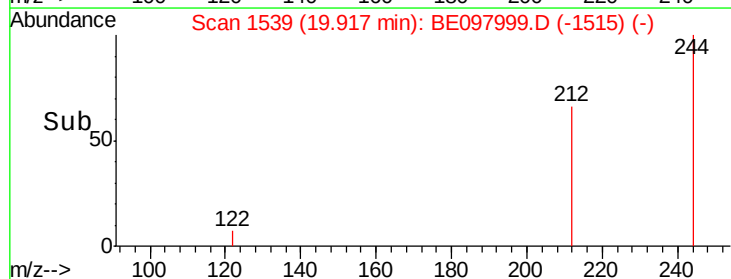
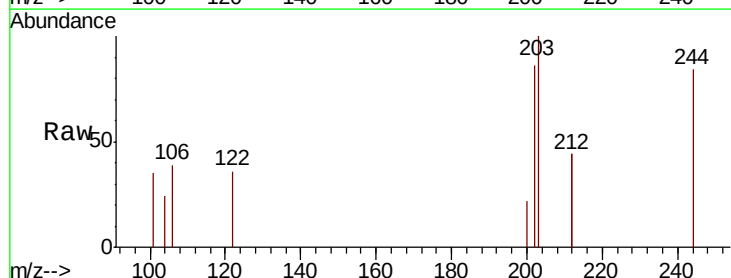
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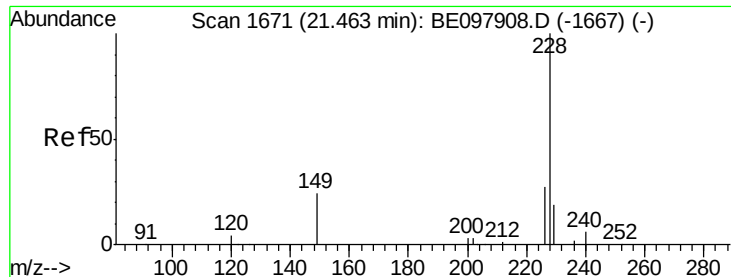
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#29
Terphenyl-d14
Concen: 0.015 ng
RT: 19.92 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	106.1	26.2	39.2
122	43.2	7.7	11.5





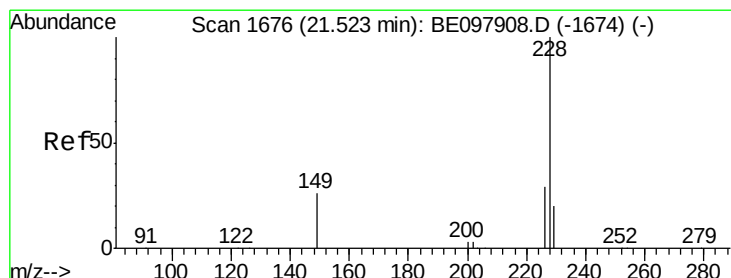
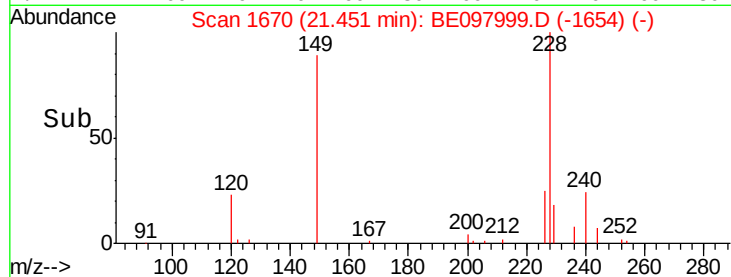
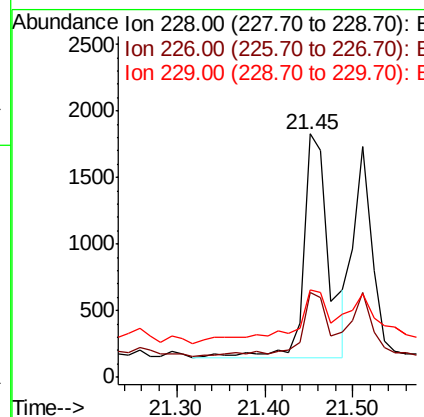
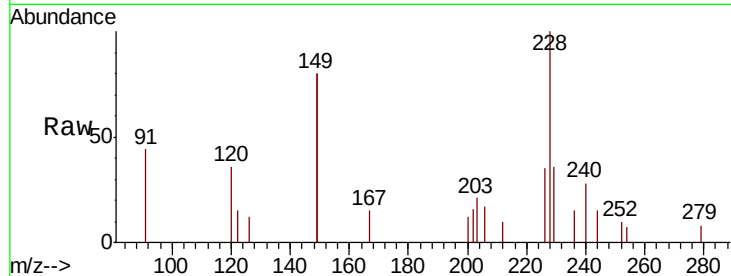
#30
Benzo(a)anthracene
Concen: 0.051 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Instrument :
BNA_E
ClientSampled :
TWP-01DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.6	33.8#
229	35.8	16.9	25.3#

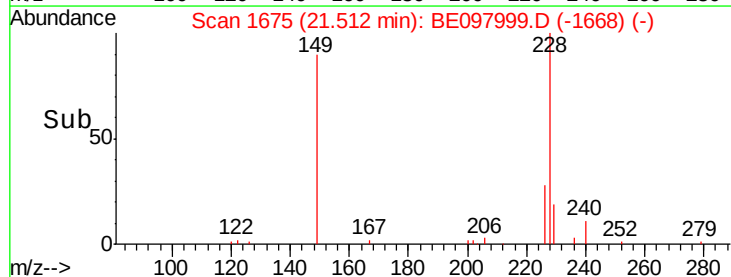
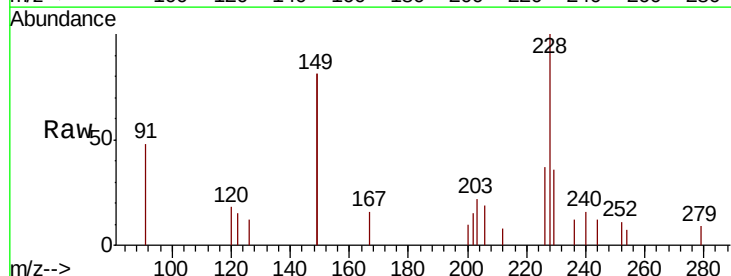
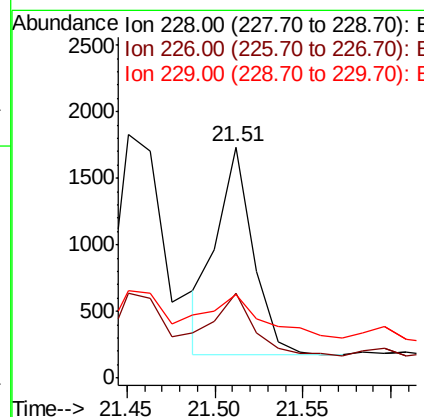
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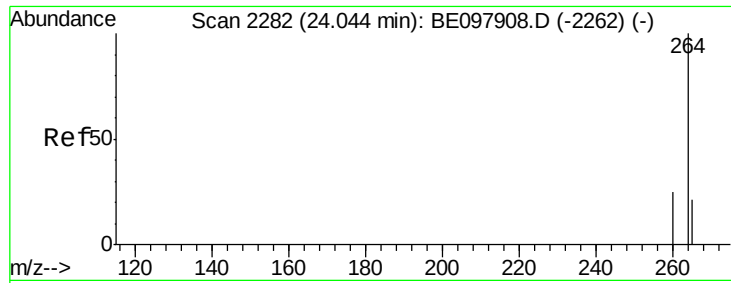
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#31
Chrysene
Concen: 0.036 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097999.D
Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.9	24.3	36.5#
229	36.4	17.3	25.9#





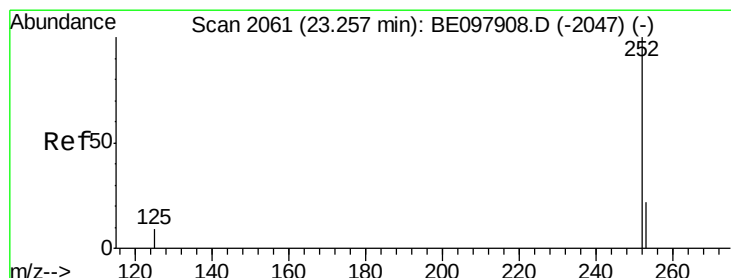
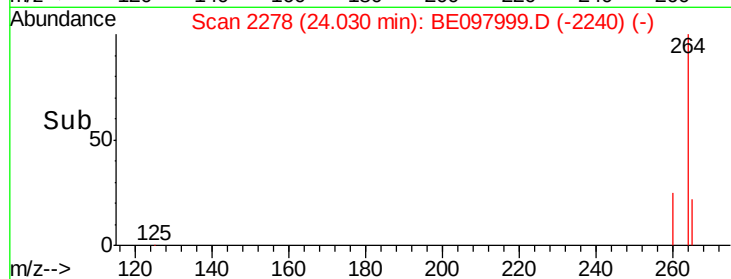
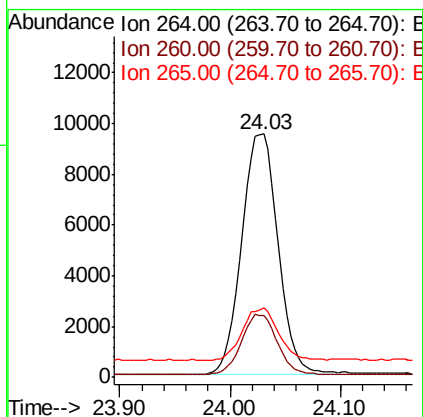
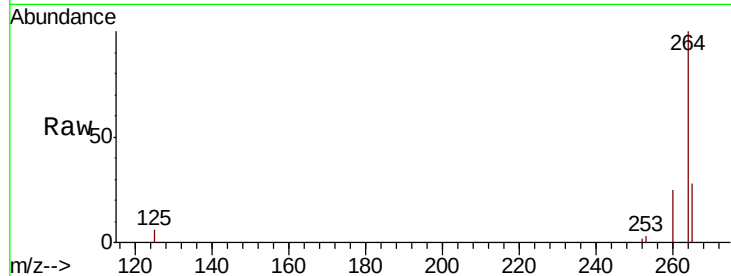
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Instrument :
 BNA_E
 ClientSampled :
 TWP-01DL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	21.1	31.7
265	28.4	29.2	43.8#

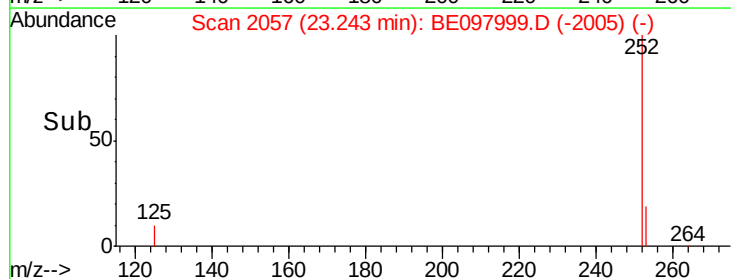
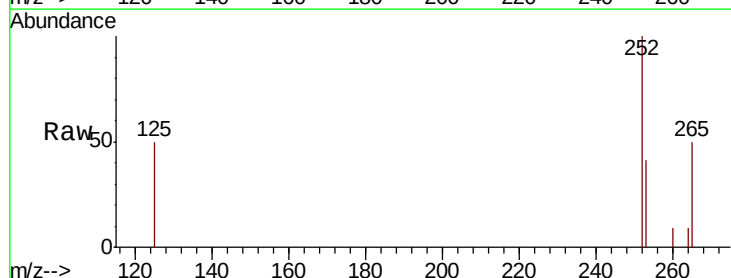
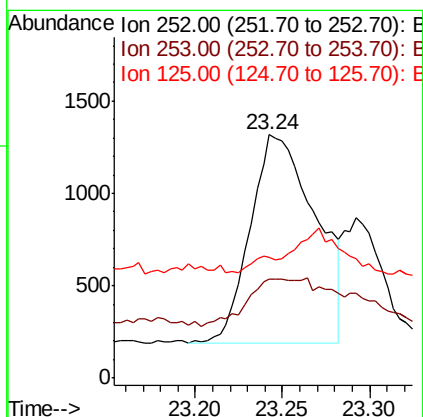
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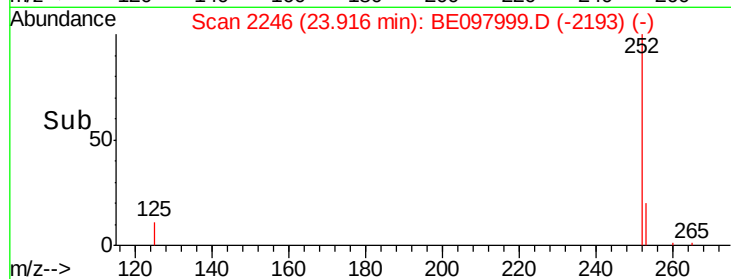
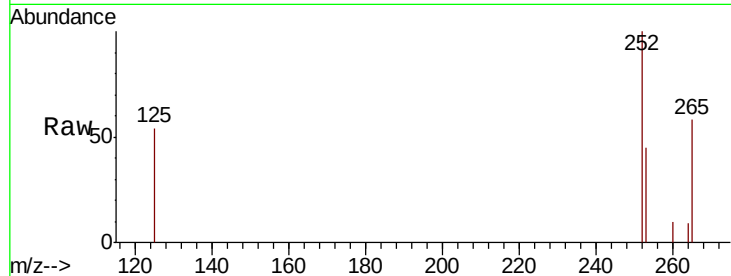
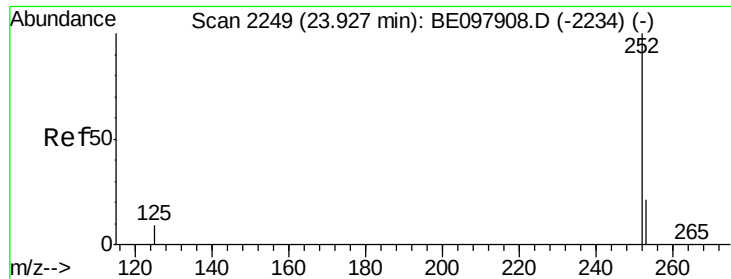
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#35
 Benzo(b)fluoranthene
 Concen: 0.047 ng
 RT: 23.24 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BE097999.D
 Acq: 19 Oct 2018 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.5	20.6	31.0#
125	49.5	14.3	21.5#





#37

Benzo(a)pyrene

Concen: 0.035 ng

RT: 23.92 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BE097999.D

Acq: 19 Oct 2018 19:42

Instrument :

BNA_E

ClientSampleId :

TWP-01DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	44.9	20.6	31.0#
125	54.0	15.6	23.4#

Manual Integrations
APPROVED

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