

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\
 Data File : BE098250.D
 Acq On : 19 Nov 2018 12:59
 Operator : SJ/JU
 Sample : J5968-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111418

Manual Integrations
 APPROVED

Sohil
 11/20/2018 12:34:14 PM

Quant Time: Nov 20 10:06:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 19:05:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1399	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6400	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4813	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	10028	0.40	ng	0.00
27) Chrysene-d12	21.46	240	11240	0.40	ng	0.00
34) Perylene-d12	24.00	264	10849	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1083	0.29	ng	-0.01
5) Phenol-d6	7.04	99	731	0.12	ng	0.00
8) Nitrobenzene-d5	9.02	82	2757m	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4593	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	1039	0.67	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	9881	0.47	ng	0.00
25) Fluoranthene-d10	19.31	212	56613	0.46	ng	0.00
29) Terphenyl-d14	19.91	244	13155	0.51	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.72	128	4572920	70.166	ng	99
12) 2-Methylnaphthalene	12.34	142	446609	38.902	ng	94
16) Acenaphthylene	14.25	152	1190	0.052	ng	# 1
17) Acenaphthene	14.59	154	1882	0.138	ng	# 87
18) Fluorene	15.57	166	2464	0.141	ng	# 92
22) Pentachlorophenol	16.94	266	58	0.146	ng	86
23) Phenanthrene	17.32	178	3046	0.118	ng	# 86
24) Anthracene	17.41	178	545	0.023	ng	# 75
26) Fluoranthene	19.34	202	895	0.029	ng	# 89
28) Pyrene	19.70	202	943	0.029	ng	# 84
30) Benzo(a)anthracene	21.45	228	937	0.029	ng	# 58
31) Chrysene	21.50	228	801	0.024	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.37	149	9094	0.179	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.70	276	985	0.034	ng	# 78
39) Benzo(a,h,i)perylene	27.52	276	908	0.035	ng	# 54

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

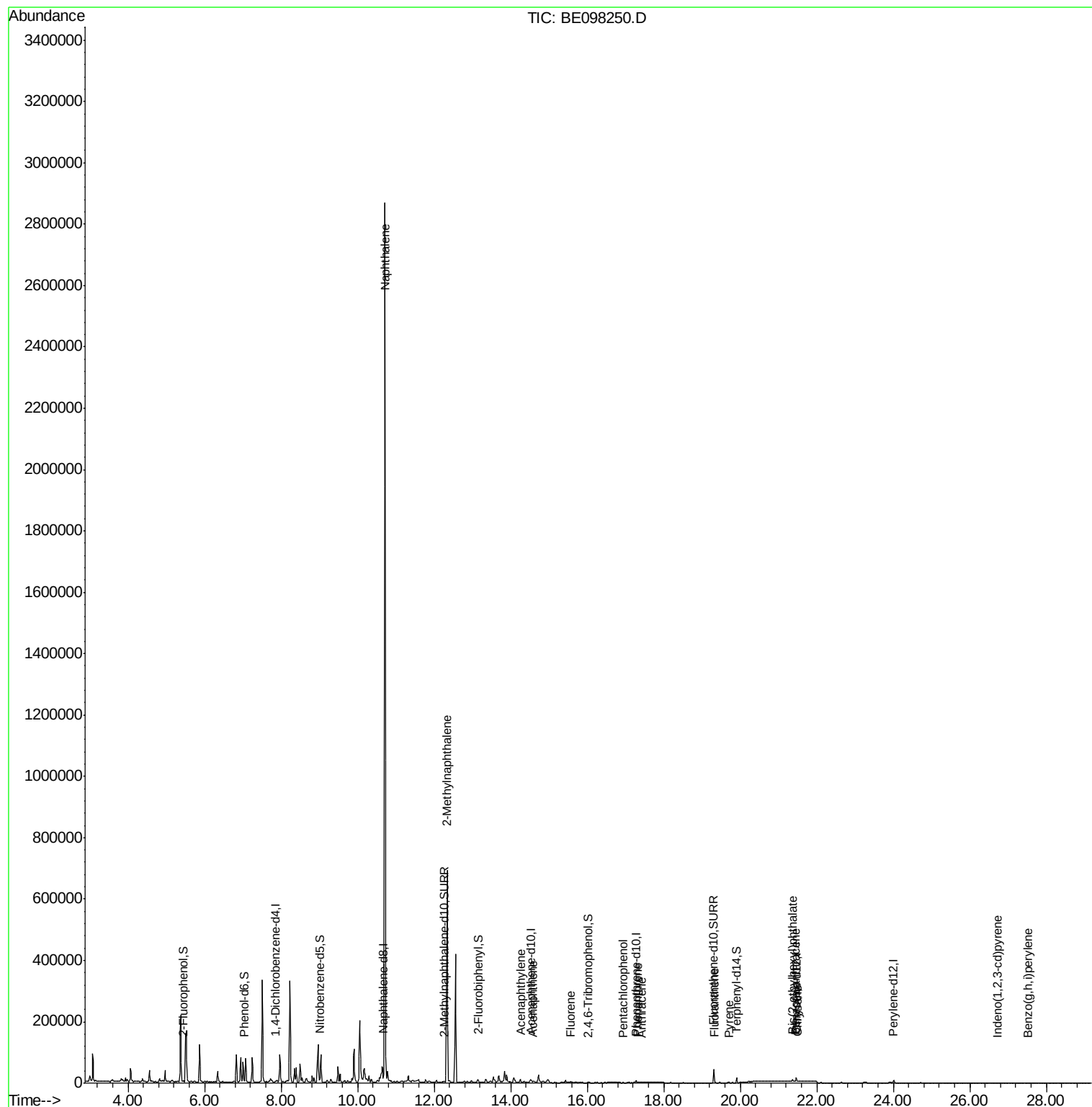
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\
Data File : BE098250.D
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ALS Vial : 8 Sample Multiplier: 1

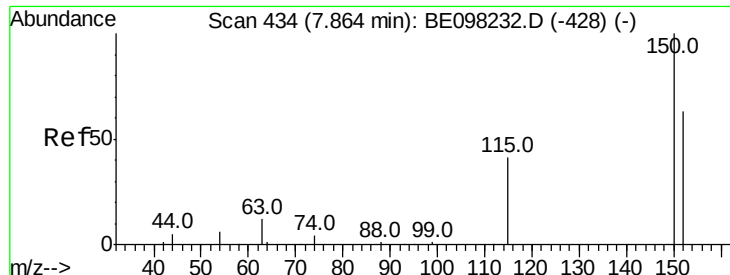
Instrument :
BNA_E
ClientSampleId :
MW-2-111418

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Quant Time: Nov 20 10:06:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

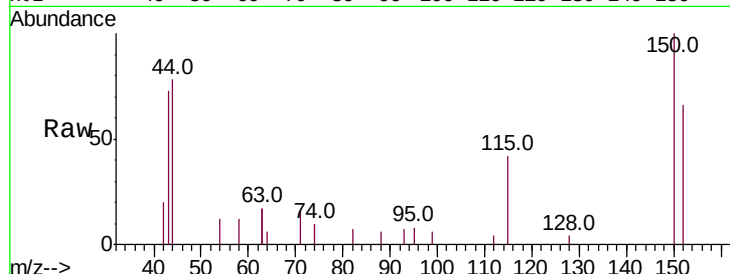
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Instrument :
BNA_E
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	127.5	191.3
115	64.0	60.3	90.5

Manual Integrations
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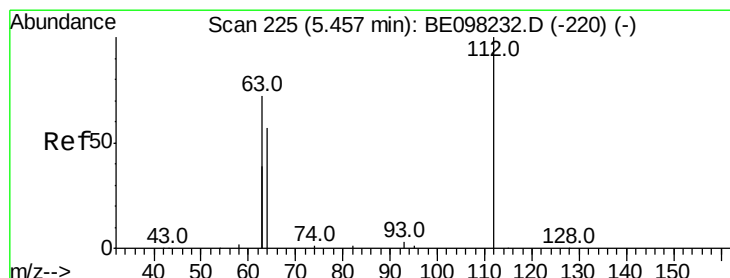
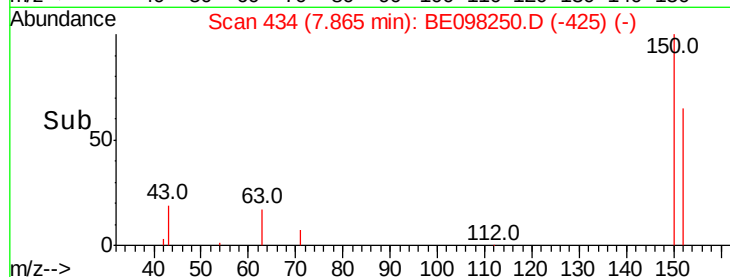
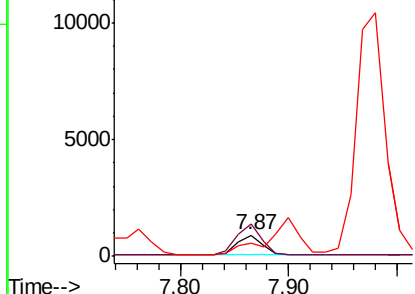


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

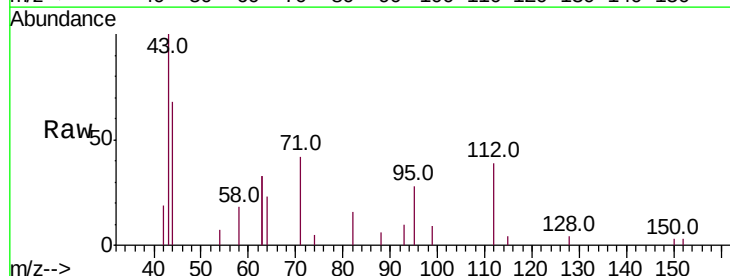
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.289 ng
RT: 5.45 min Scan# 224
Delta R.T. -0.01 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	61.7	92.5#
63	0.0	136.2	204.2#

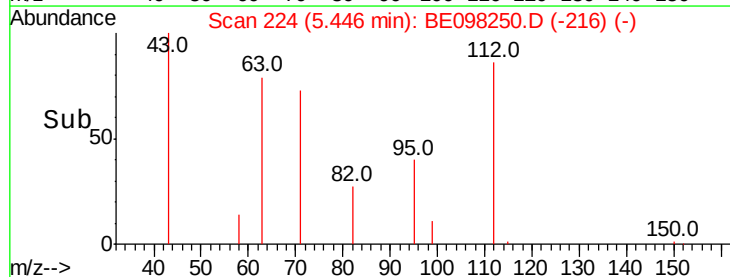
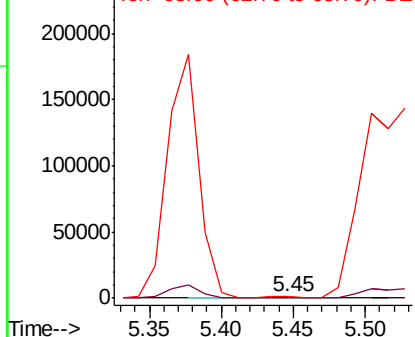


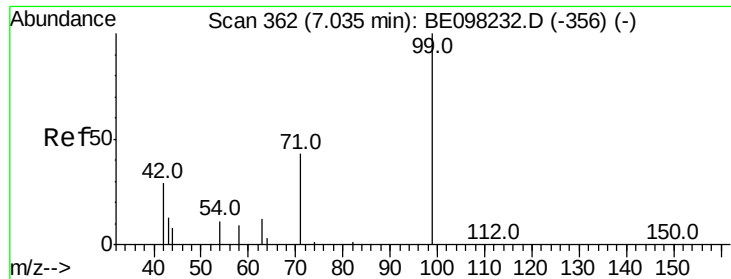
Abundance

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





#5

Phenol-d6

Concen: 0.124 ng

RT: 7.04 min Scan# 362

Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

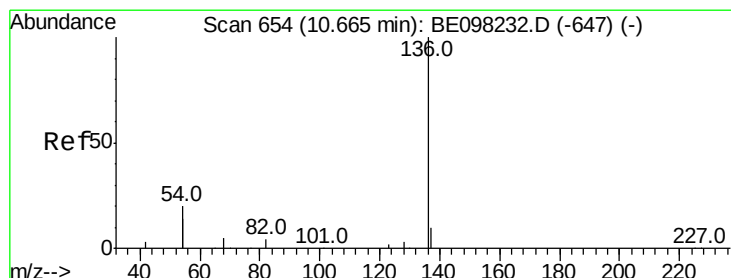
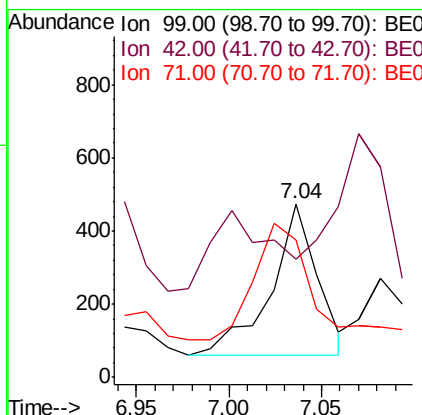
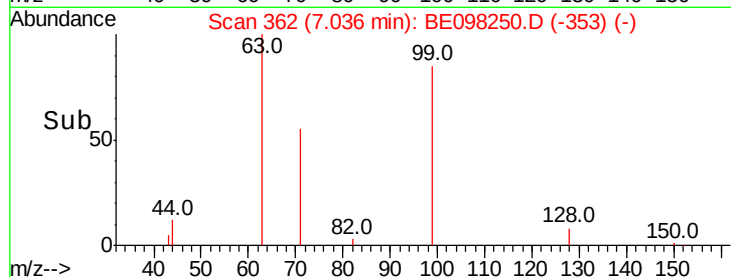
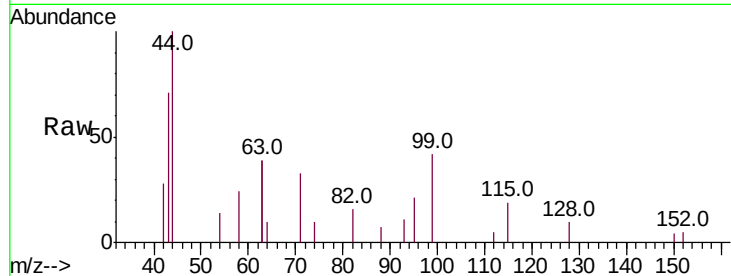
ClientSampled :

MW-2-111418

Tot Ion:	99	Resp:	731
Ion	Ratio	Lower	Upper
99	100		
42	0.0	27.1	40.7#
71	92.2	37.0	55.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

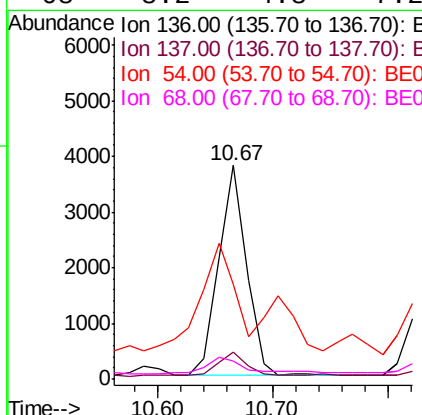
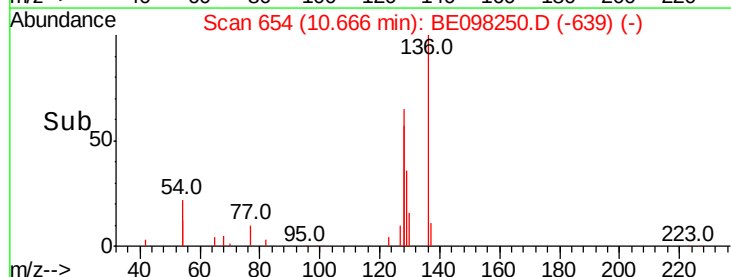
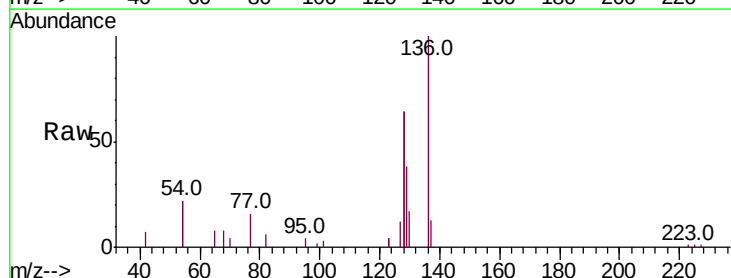
RT: 10.67 min Scan# 654

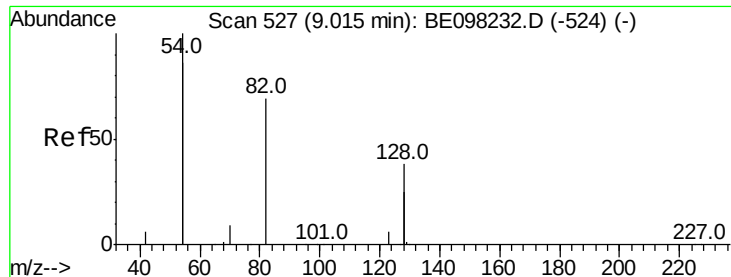
Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	136	Resp:	6400
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	44.2	31.3	46.9
68	8.2	4.8	7.2#





#8

Nitrobenzene-d5

Concen: 0.456 ng/ml

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

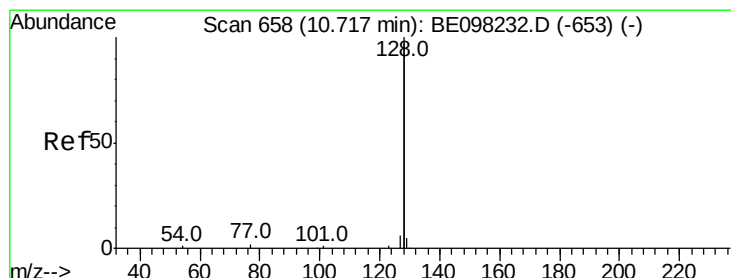
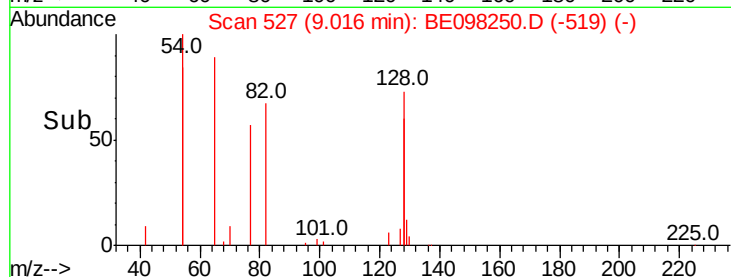
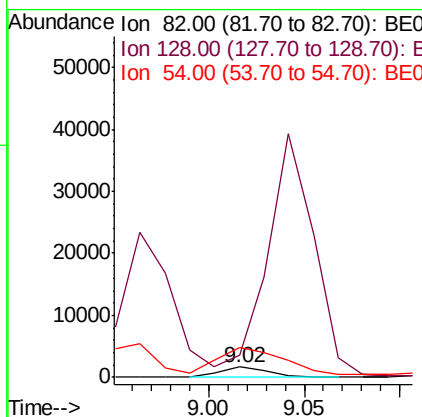
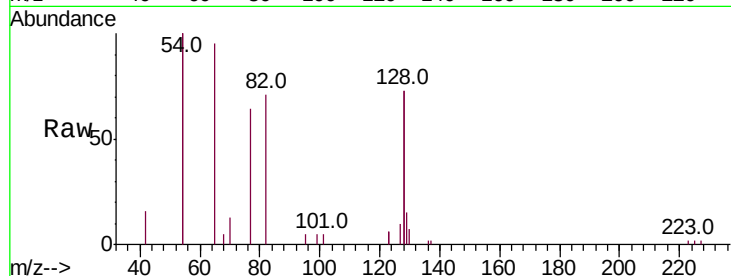
ClientSampleId :

MW-2-111418

Tot Ion	Ratio	Lower	Upper
82	100		
128	102.2	96.1	144.1
54	140.9	232.0	348.0

Manual Integrations
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#9

Naphthalene

Concen: 70.166 ng/ml

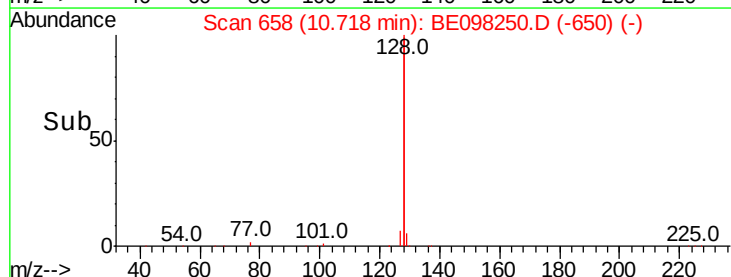
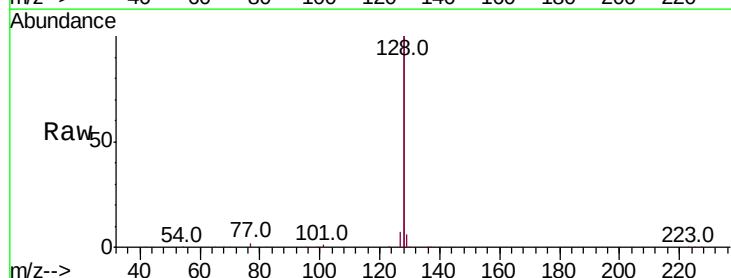
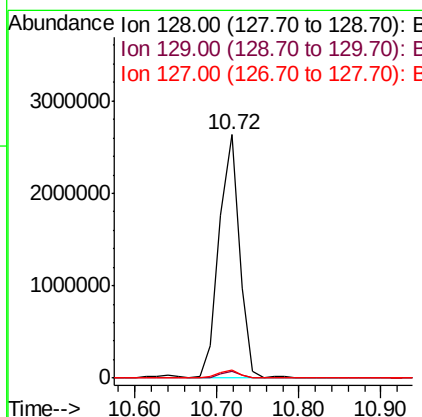
RT: 10.72 min Scan# 658

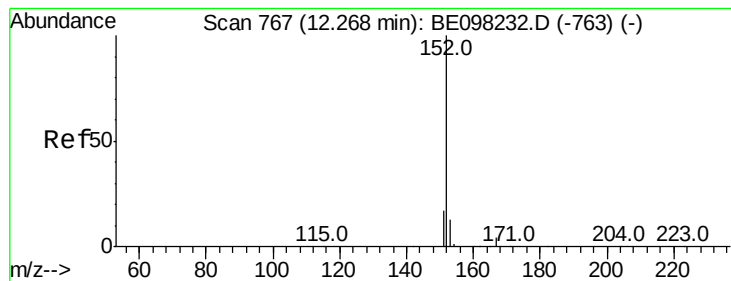
Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	4.0
127	3.4	2.8	4.2





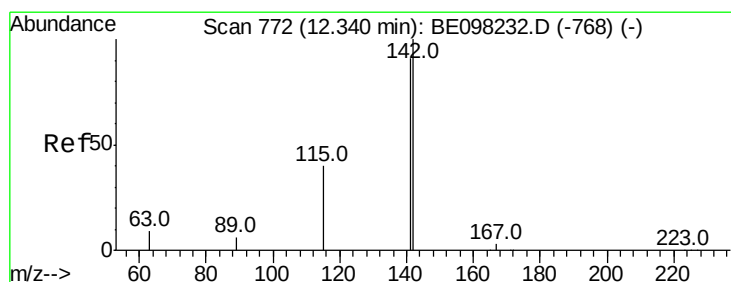
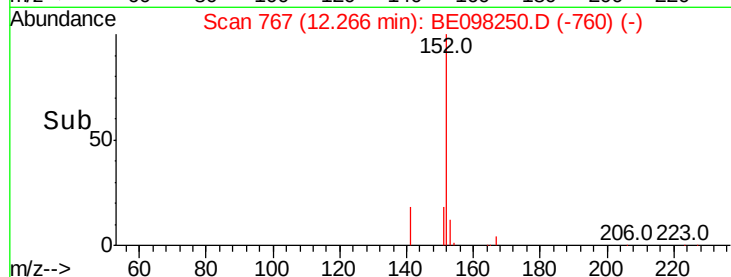
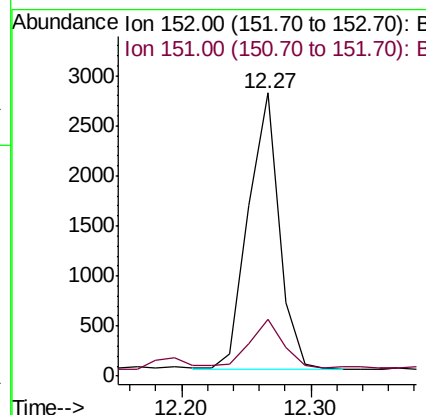
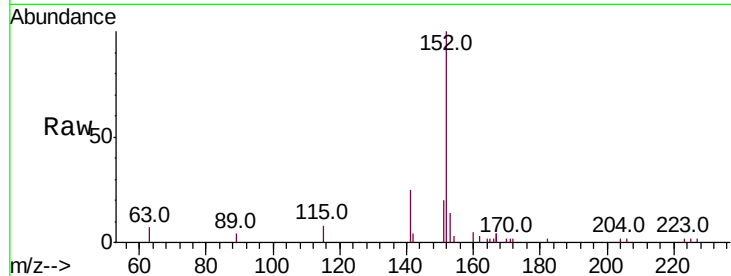
#11
 2-Methylnaphthalene-d10
 Concen: 0.409 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098250.D
 Acq: 19 Nov 2018 12:59

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111418

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2

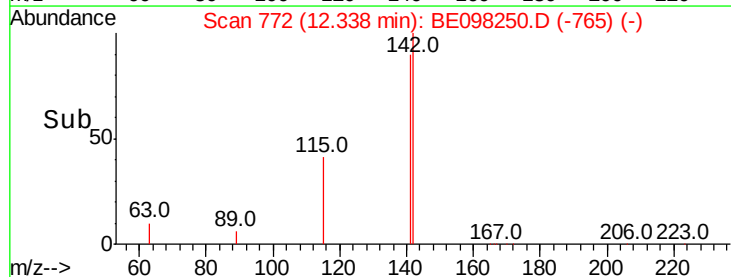
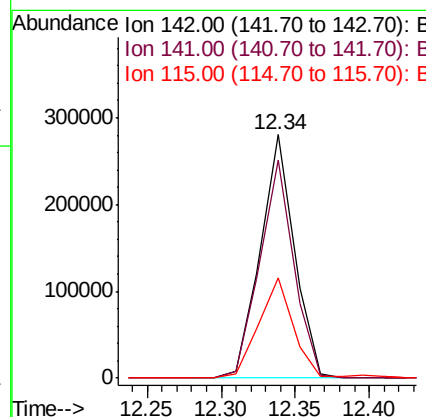
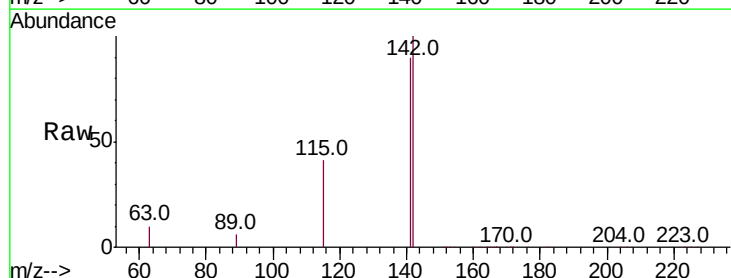
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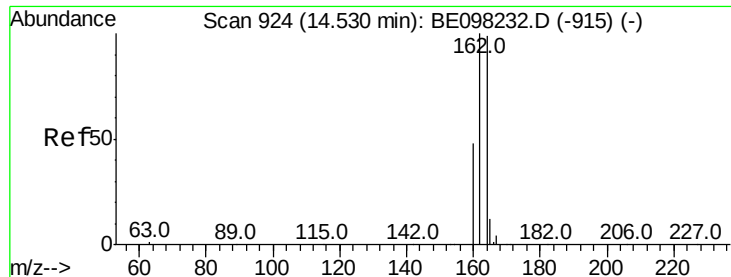
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#12
 2-Methylnaphthalene
 Concen: 38.902 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098250.D
 Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	76.3	114.5
115	41.0	35.8	53.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

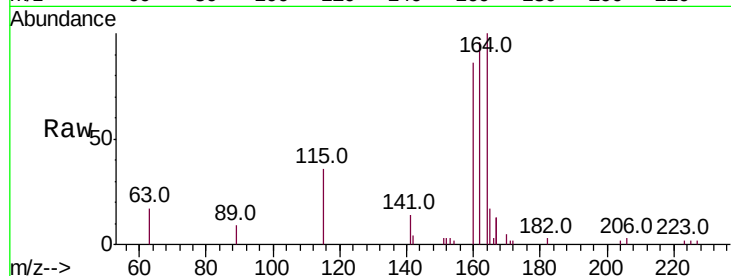
ClientSampleId :

MW-2-111418

Tot Ion:	164	Resp:	4813
Ion Ratio	Lower	Upper	
164	100		
162	96.0	81.8	122.6
160	86.3	39.4	59.0#

Manual Integrations
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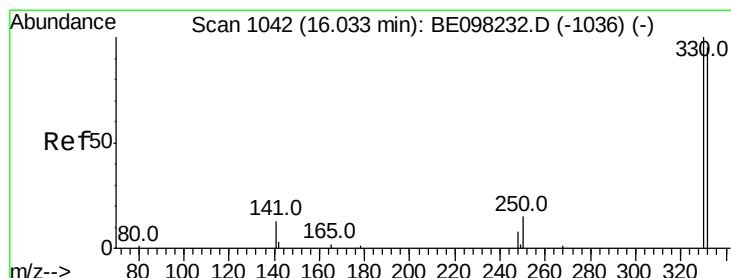
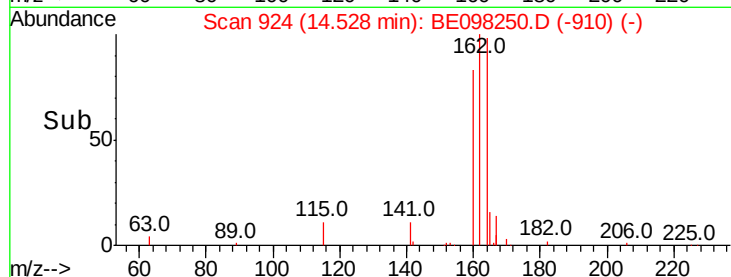
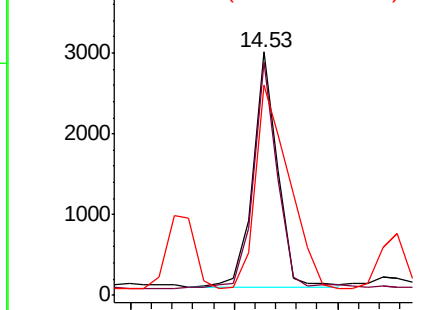


Abundance

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: 0.670 ng

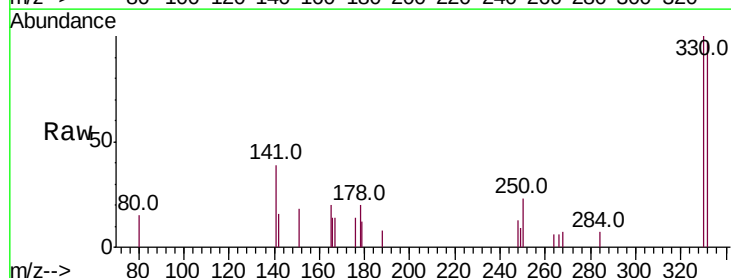
RT: 16.02 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	330	Resp:	1039
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.7	116.5
141	44.9	33.6	50.4

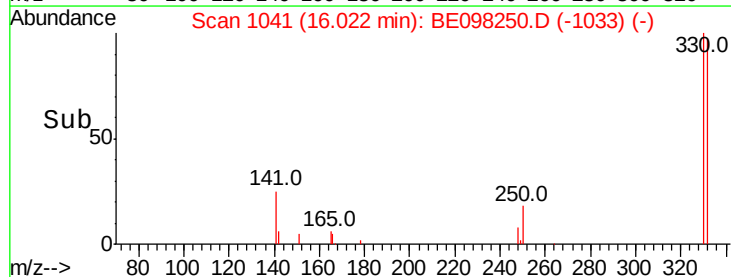
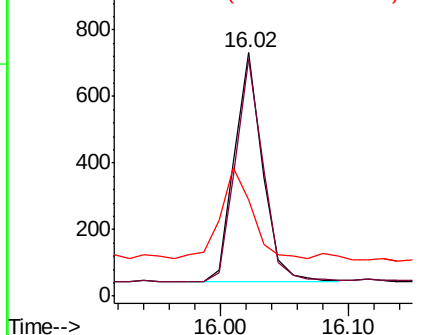


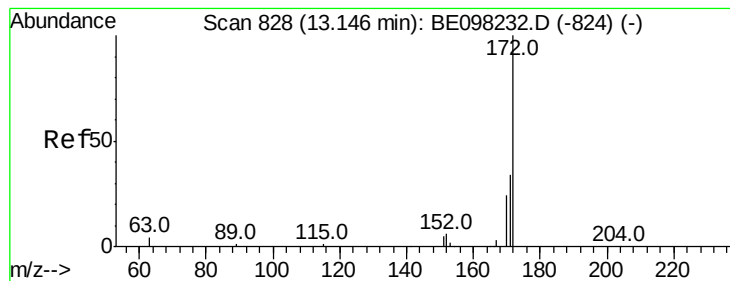
Abundance

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





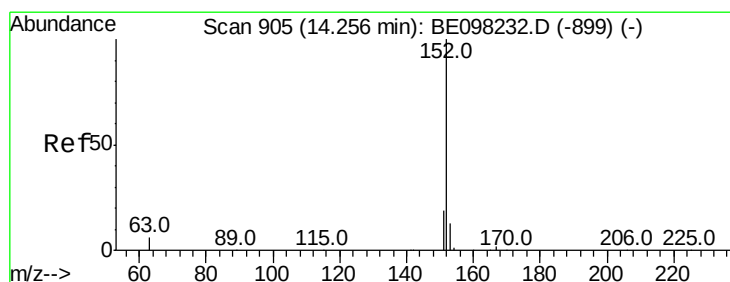
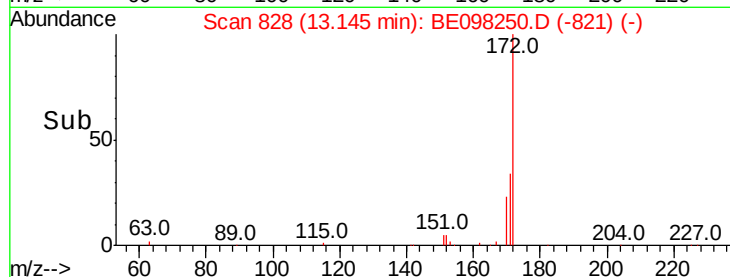
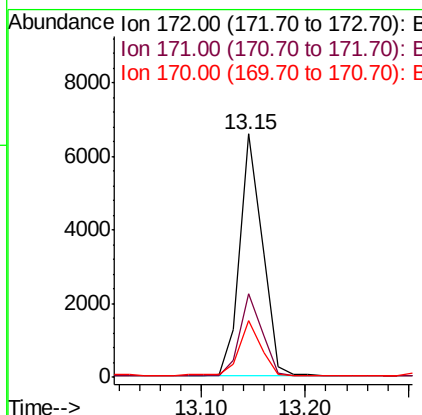
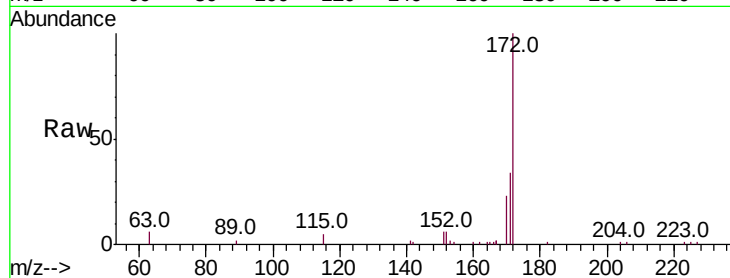
#15
2-Fluorobiphenyl
Concen: 0.472 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Instrument :
BNA_E
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.3	40.9
170	23.5	19.4	29.0

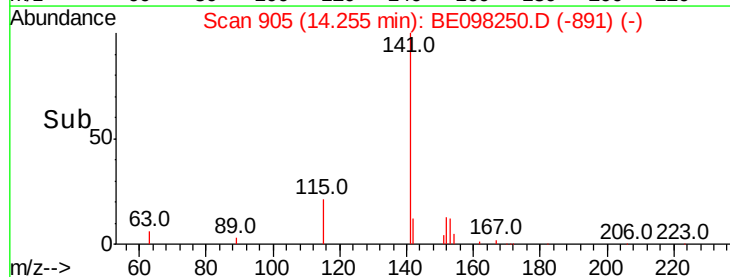
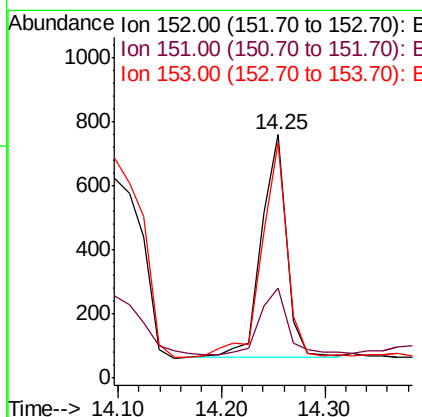
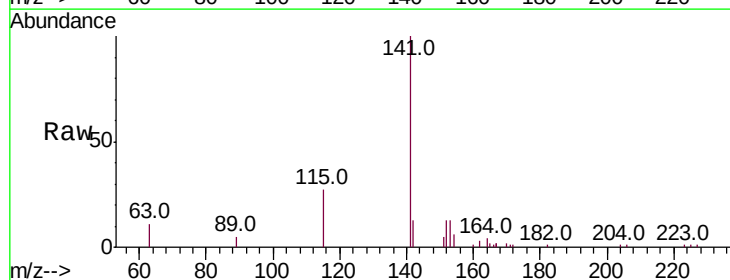
Manual Integrations
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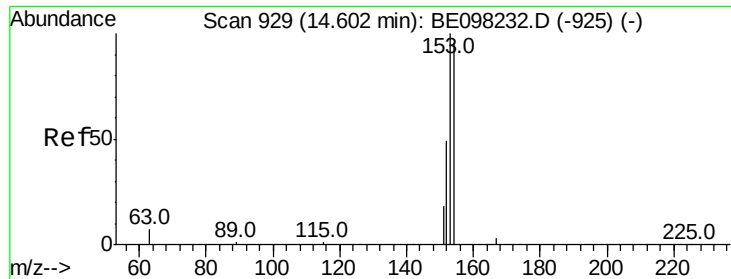
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#16
Acenaphthylene
Concen: 0.052 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	33.9	16.4	24.6#
153	96.6	10.6	15.8#





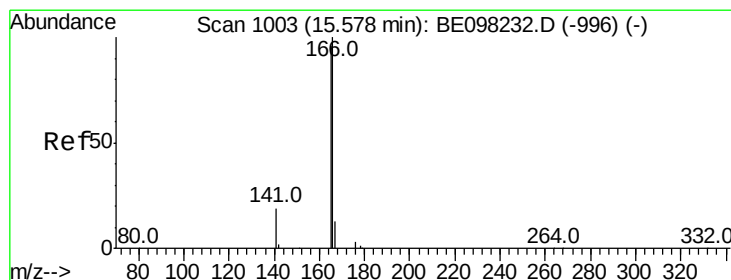
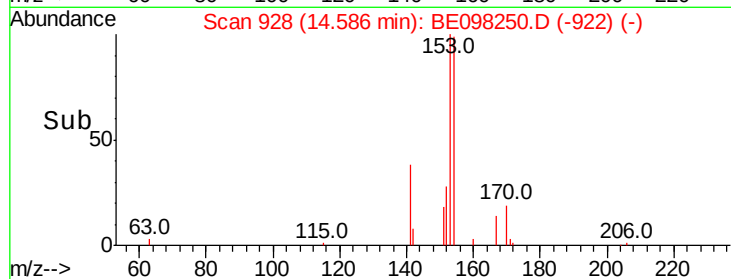
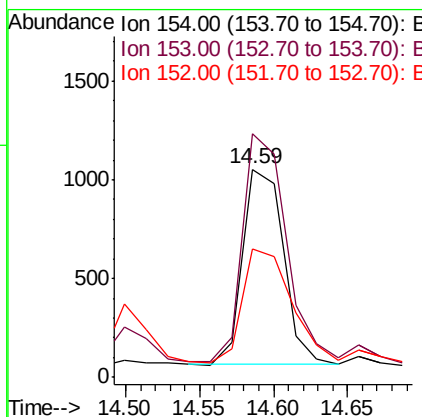
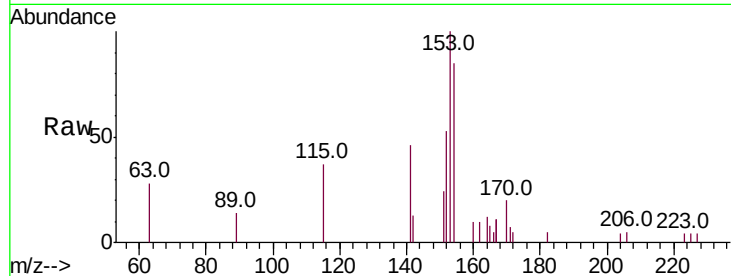
#17
Acenaphthene
Concen: 0.138 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.02 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Instrument :
BNA_E
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
154	100		
153	126.0	92.1	138.1
152	70.6	46.2	69.2#

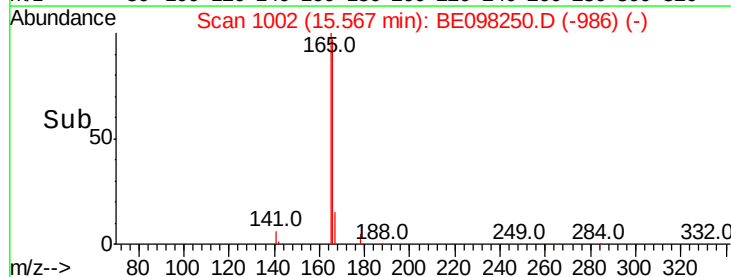
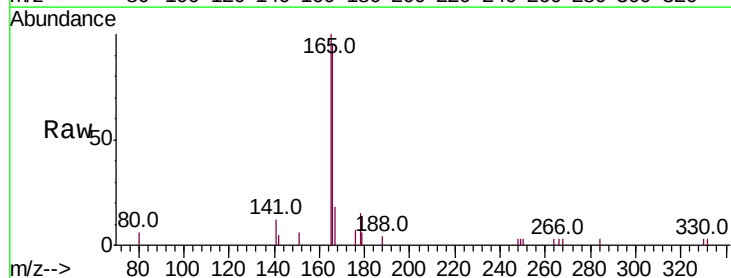
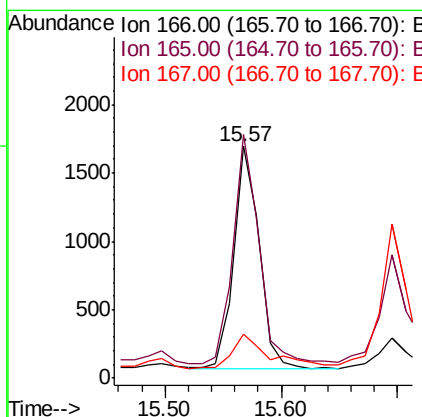
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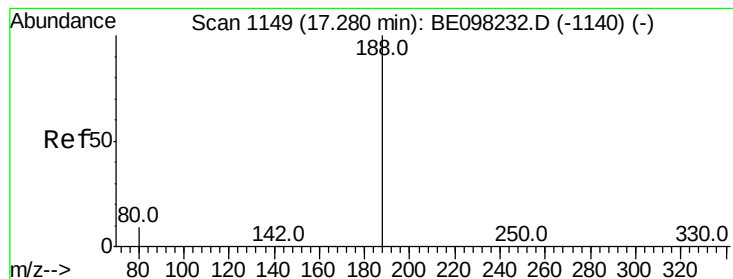
Sohil
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#18
Fluorene
Concen: 0.141 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE098250.D
Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.4	80.1	120.1
167	23.2	10.8	16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

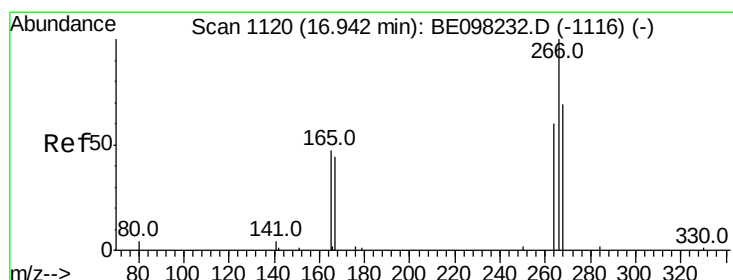
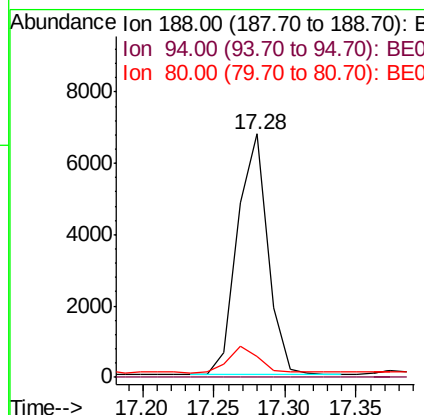
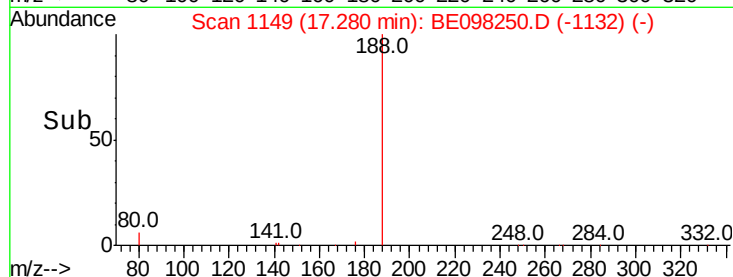
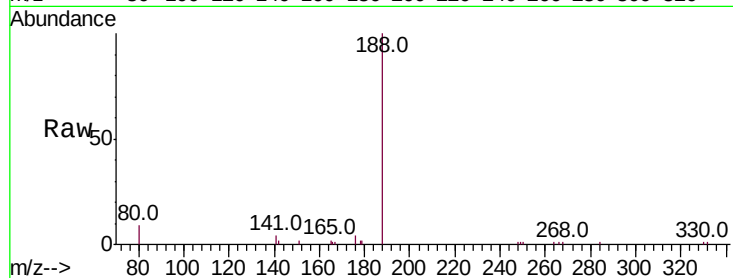
ClientSampleId :

MW-2-111418

Tot Ion:	188	Resp:	10028
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	6.7	10.1

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#22

Pentachlorophenol

Concen: 0.146 ng

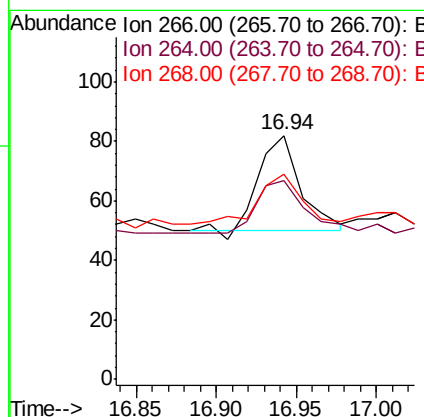
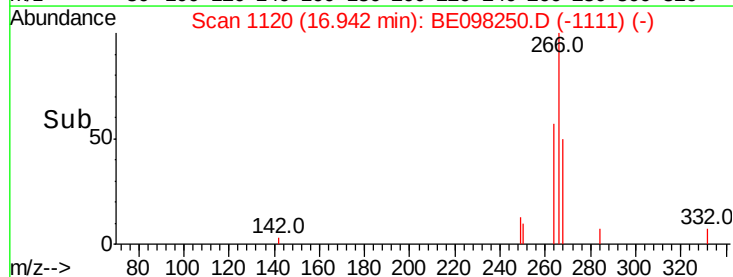
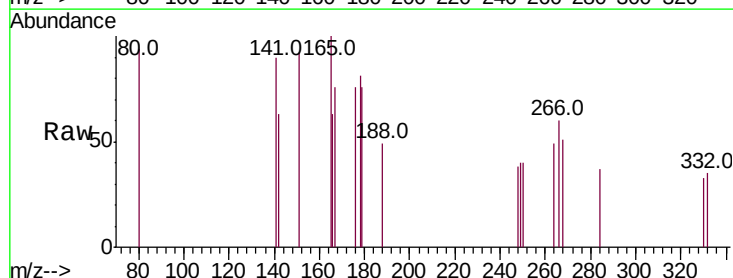
RT: 16.94 min Scan# 1120

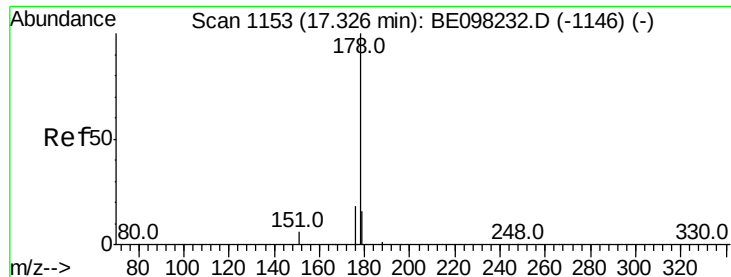
Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	266	Resp:	58
Ion Ratio	Lower	Upper	
266	100		
264	81.7	57.6	86.4
268	84.1	56.8	85.2





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

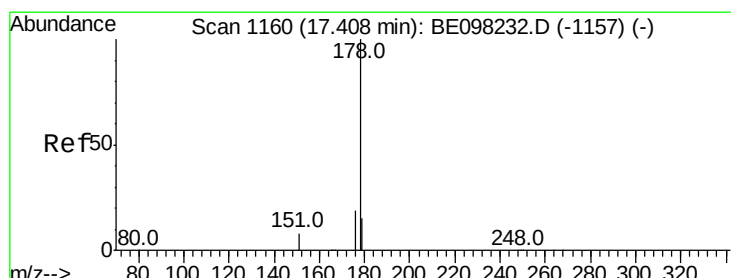
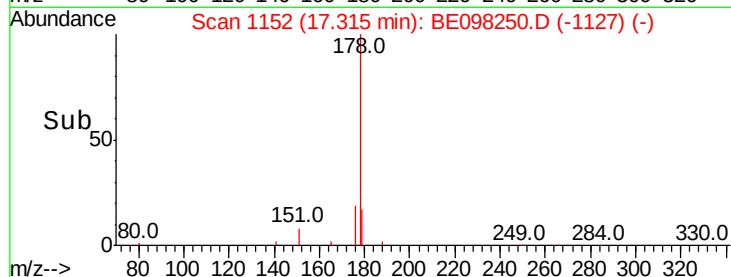
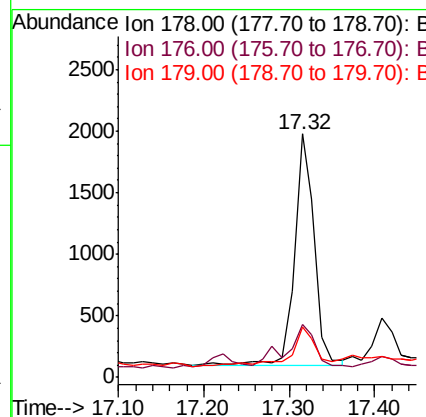
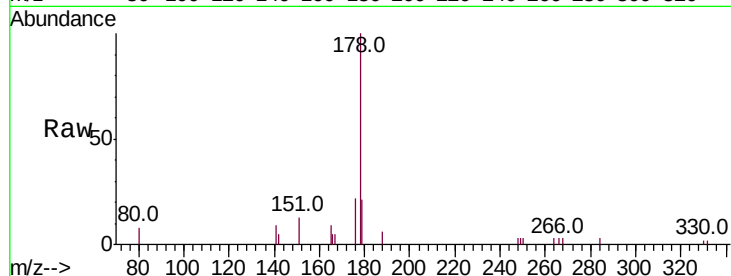
ClientSampled :

MW-2-111418

Tot Ion:	178	Resp:	3046
Ion	Ratio	Lower	Upper
178	100		
176	25.3	15.8	23.8#
179	22.0	12.3	18.5#

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#24

Anthracene

Concen: 0.023 ng

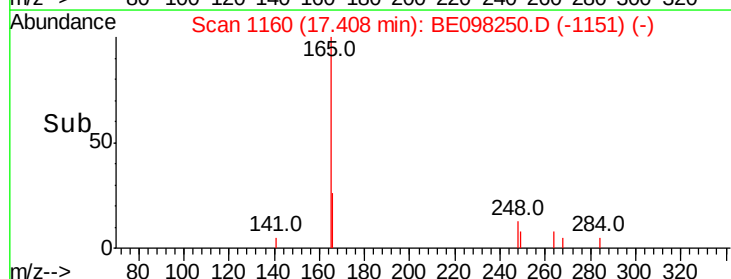
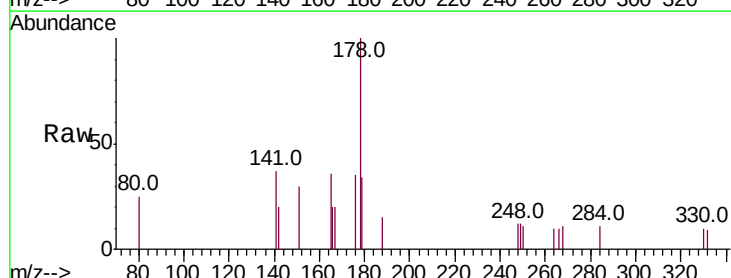
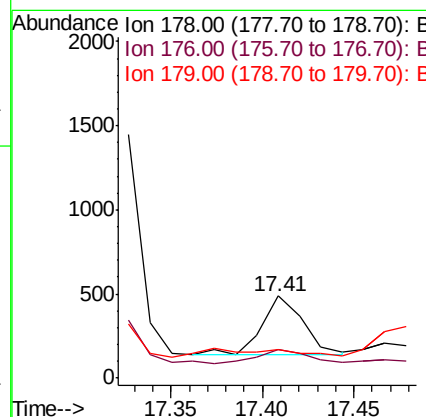
RT: 17.41 min Scan# 1160

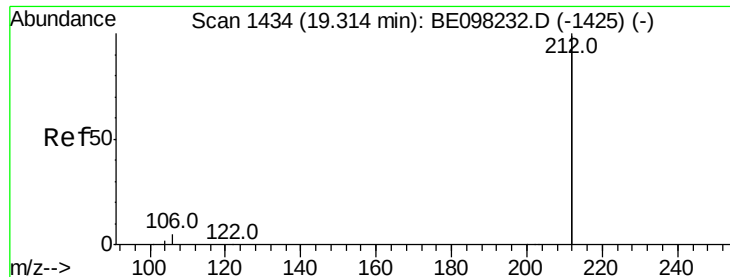
Delta R.T. 0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	178	Resp:	545
Ion	Ratio	Lower	Upper
178	100		
176	27.3	15.7	23.5#
179	0.0	12.1	18.1#





#25

Fluoranthene-d10

Concen: 0.464 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

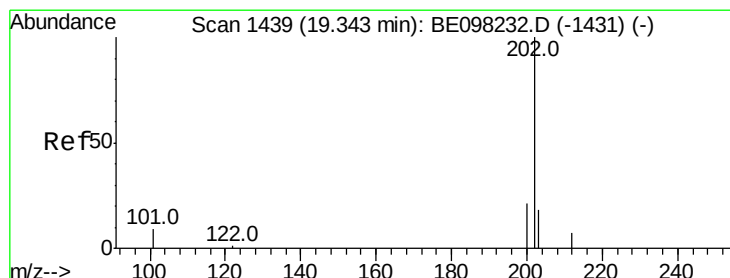
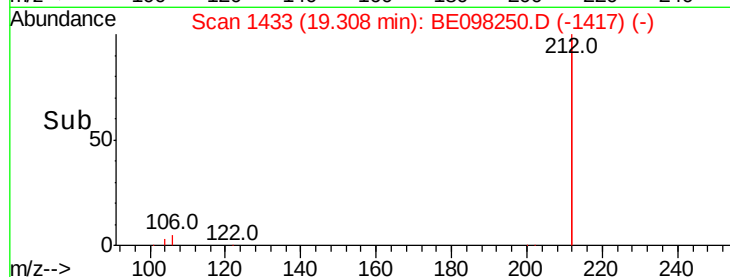
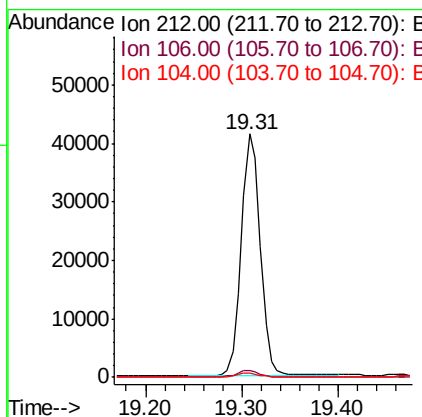
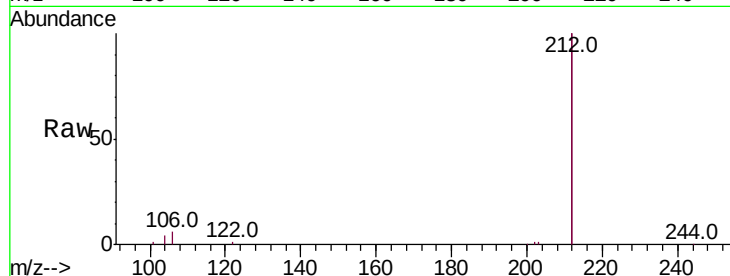
ClientSampleId :

MW-2-111418

Tot Ion:	212	Resp:	56613
Ion Ratio	Lower	Upper	
212	100		
106	2.7	1.8	2.8
104	1.5	1.1	1.7

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#26

Fluoranthene

Concen: 0.029 ng

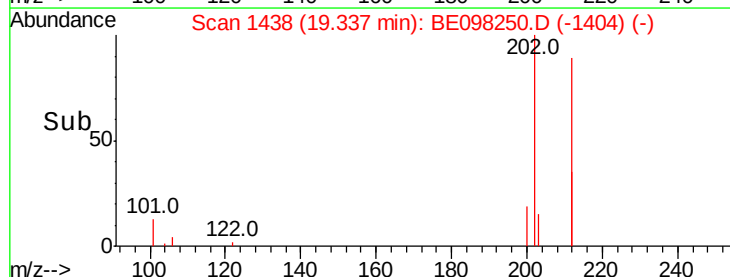
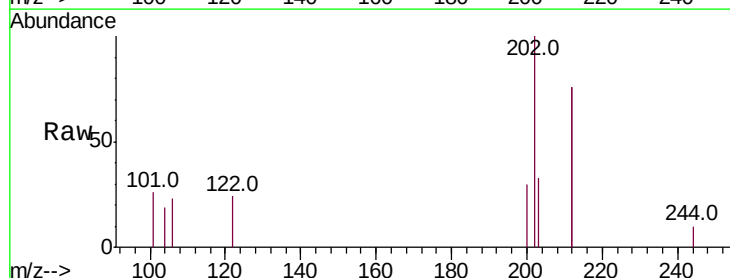
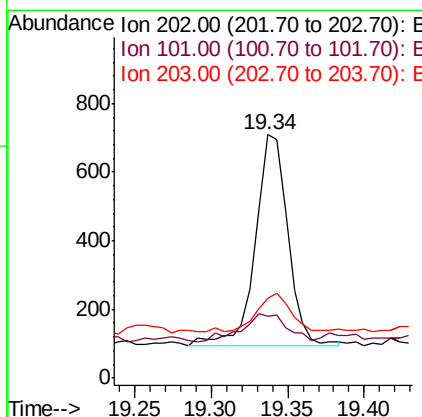
RT: 19.34 min Scan# 1438

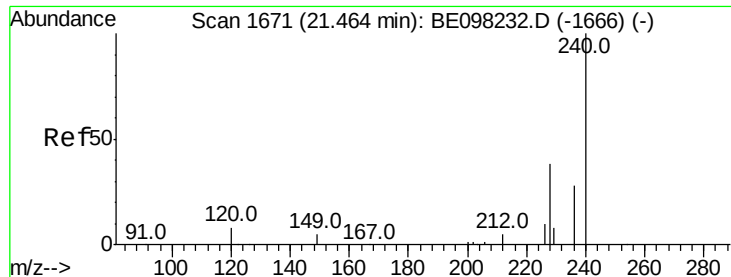
Delta R.T. -0.01 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	202	Resp:	895
Ion Ratio	Lower	Upper	
202	100		
101	18.3	7.0	10.6#
203	18.3	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

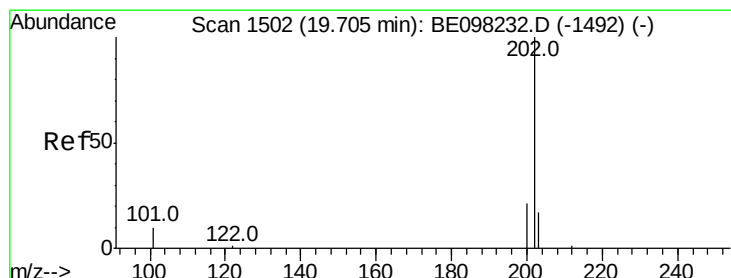
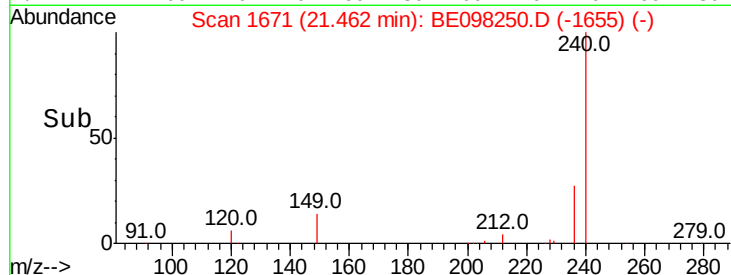
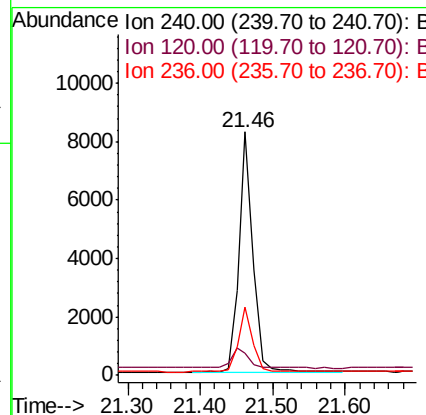
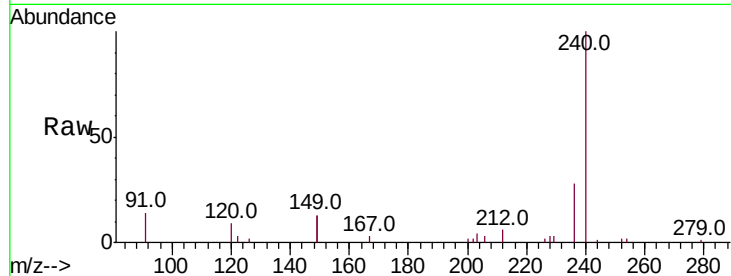
ClientSampleId :

MW-2-111418

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	9.2	4.8	7.2#	
236	27.9	21.4	32.0	

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#28

Pyrene

Concen: 0.029 ng

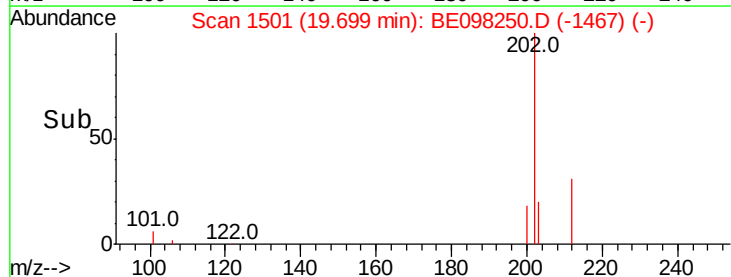
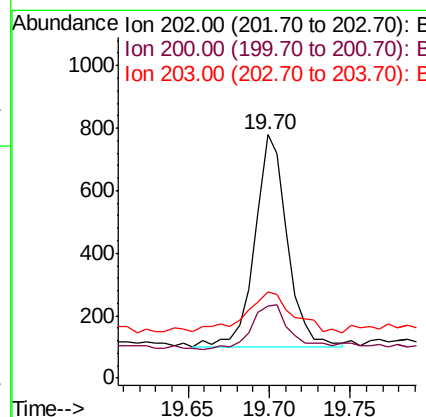
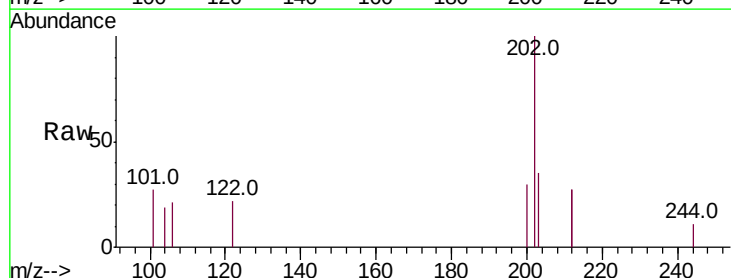
RT: 19.70 min Scan# 1501

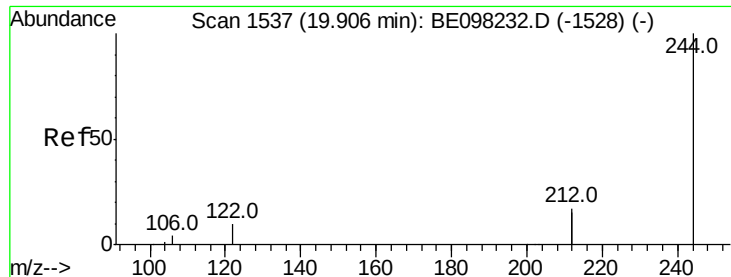
Delta R.T. -0.01 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	26.3	17.2	25.8#	
203	28.2	14.2	21.4#	





#29

Terphenyl-d14

Concen: 0.509 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

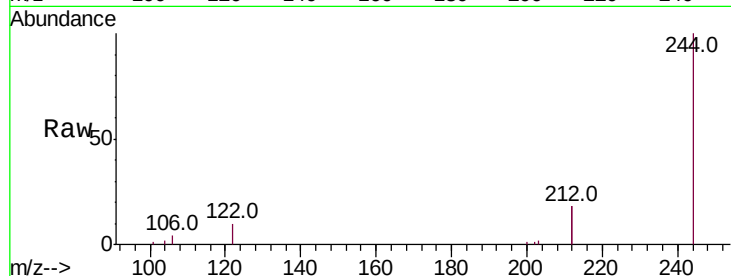
ClientSampleId :

MW-2-111418

Tot Ion:	244	Resp:	13155
Ion Ratio	Lower	Upper	
244	100		
212	35.3	26.8	40.2
122	10.5	7.0	10.6

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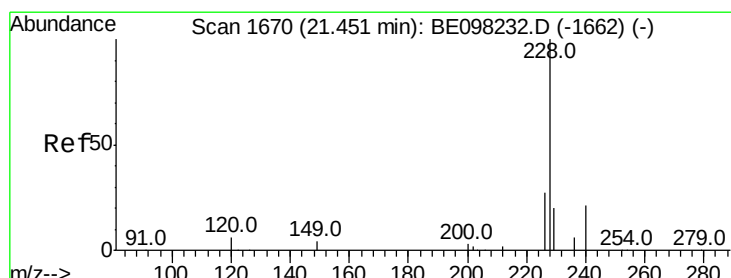
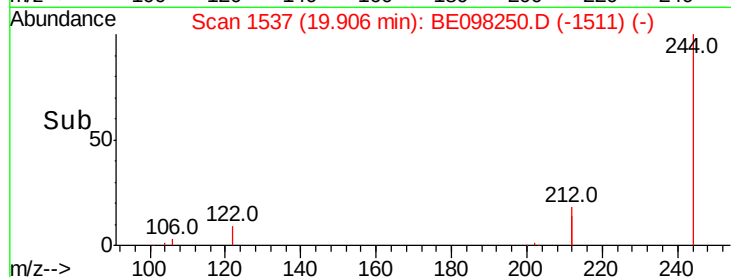
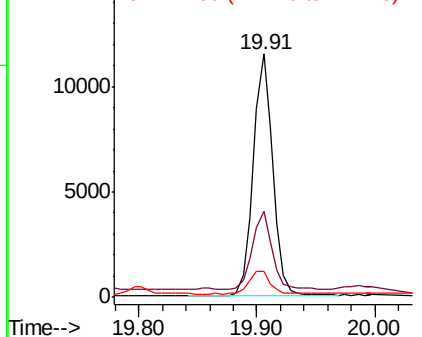


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.029 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

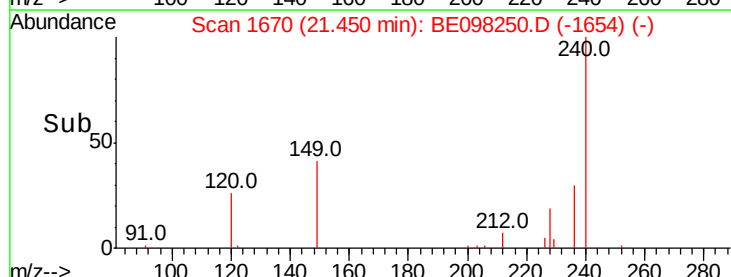
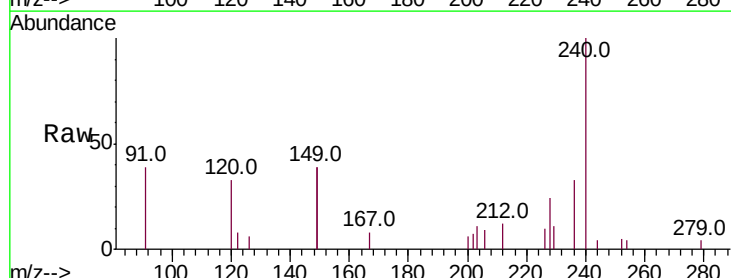
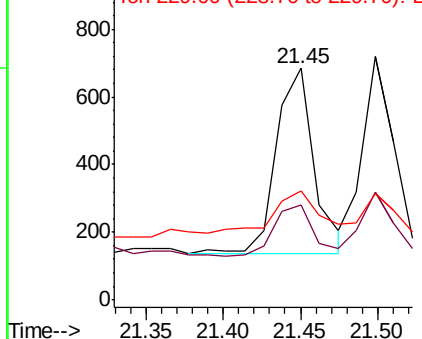
Tgt Ion:	228	Resp:	937
Ion Ratio	Lower	Upper	
228	100		
226	40.9	20.7	31.1#
229	46.9	16.2	24.4#

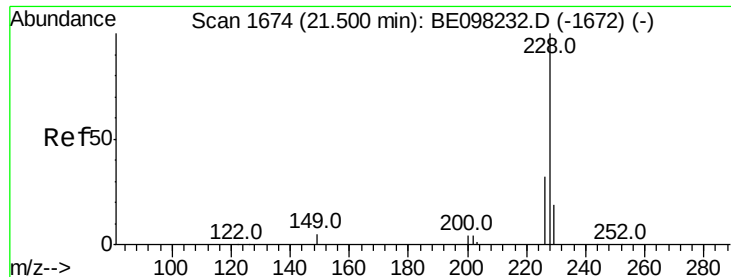
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.024 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

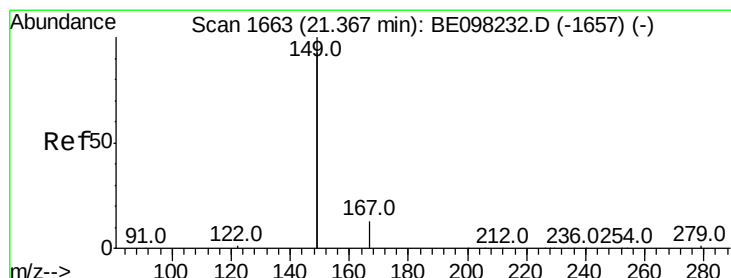
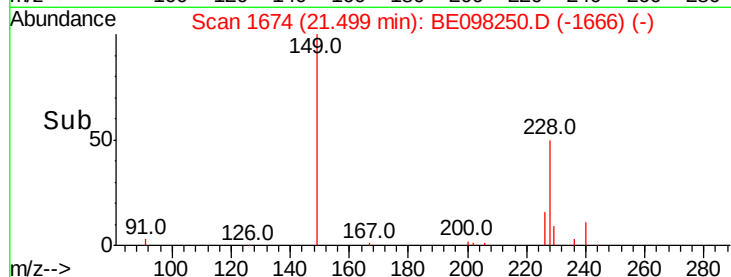
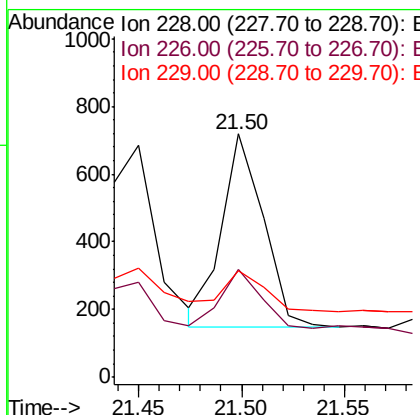
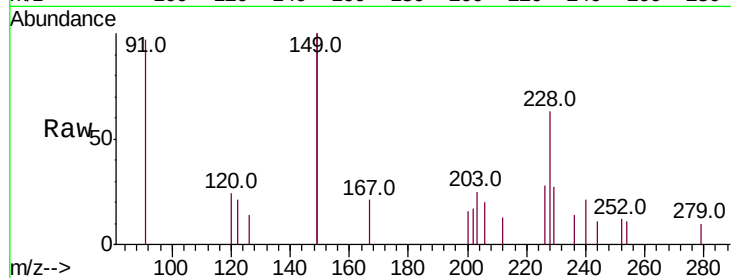
ClientSampleId :

MW-2-111418

Tot Ion:	228	Resp:	801
Ion Ratio	Lower	Upper	
228	100		
226	44.4	24.6	36.8#
229	43.5	16.0	24.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.179 ng

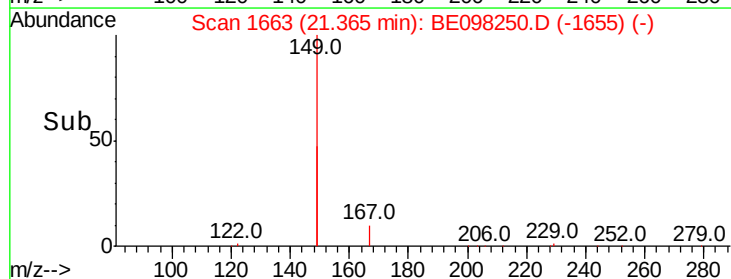
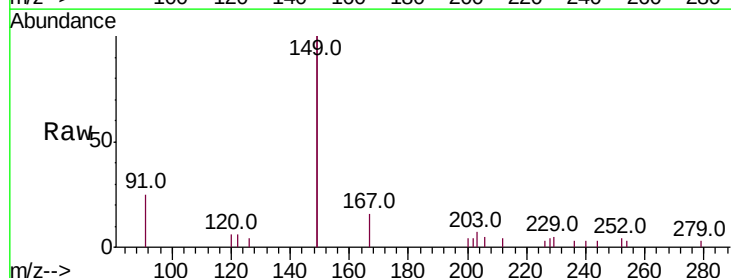
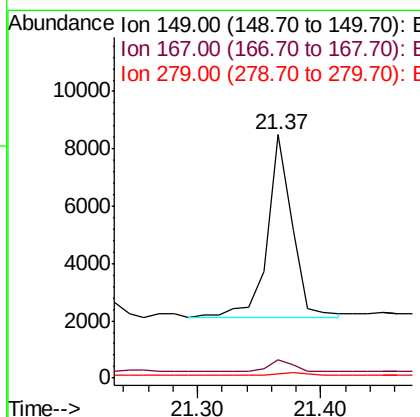
RT: 21.37 min Scan# 1663

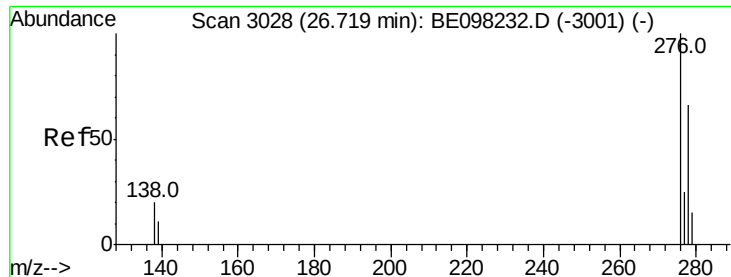
Delta R.T. -0.00 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Tgt Ion:	149	Resp:	9094
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.6	8.4
279	1.6	0.9	1.3#





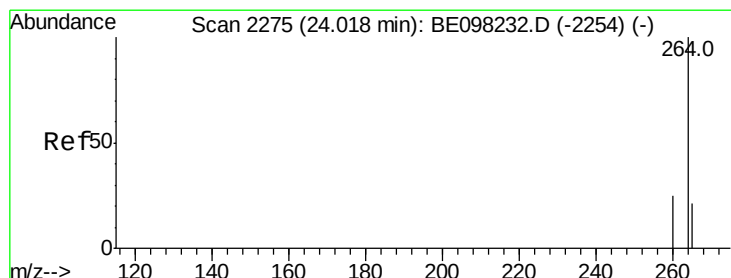
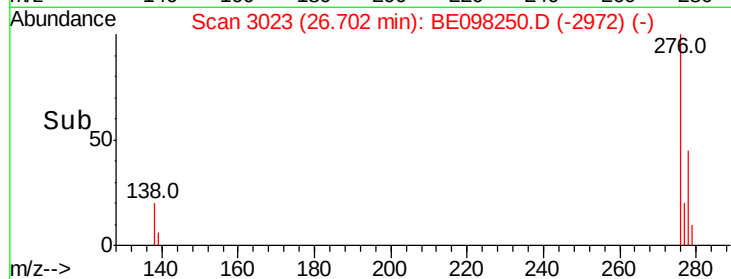
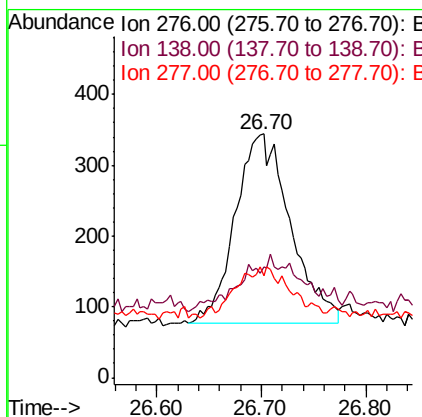
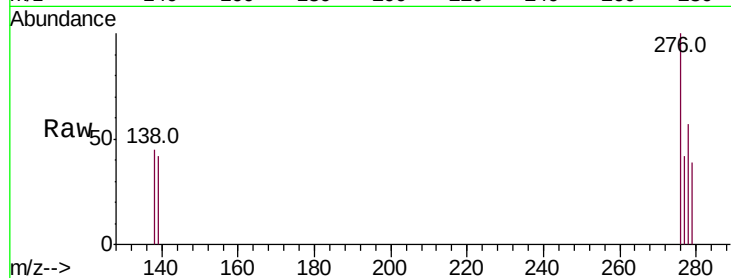
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.034 ng
 RT: 26.70 min Scan# 3023
 Delta R.T. -0.02 min
 Lab File: BE098250.D
 Acq: 19 Nov 2018 12:59

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111418

Tot Ion	Ratio	Resp	Lower	Upper
276	100	985		
138	12.1		6.4	9.6#
277	11.1		18.9	28.3#

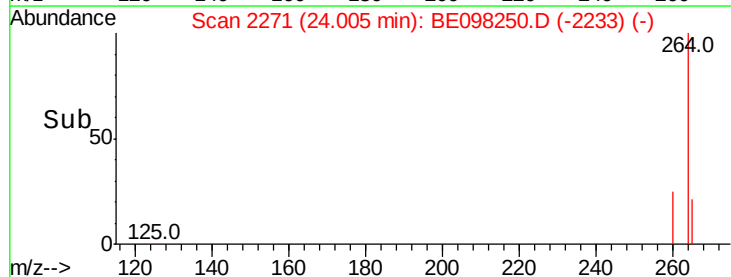
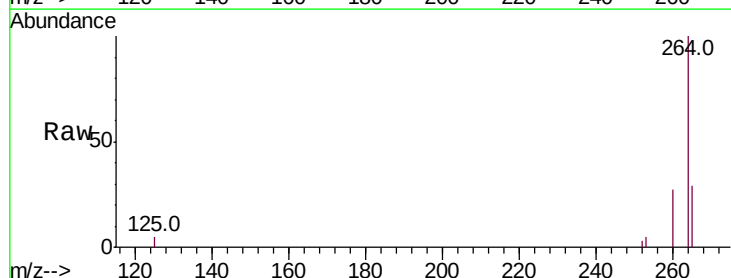
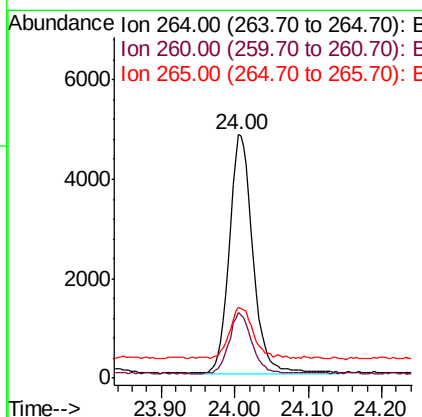
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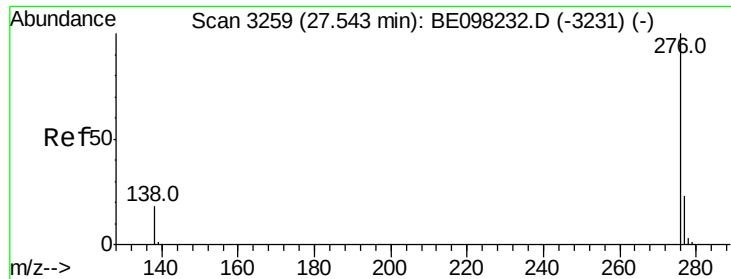
Sohil
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.00 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BE098250.D
 Acq: 19 Nov 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	10849		
260	26.8		19.9	29.9
265	28.9		21.3	31.9





#39

Benzo(a,h,i)perylene

Concen: 0.035 ng

RT: 27.52 min Scan# 3253

Delta R.T. -0.02 min

Lab File: BE098250.D

Acq: 19 Nov 2018 12:59

Instrument :

BNA_E

ClientSampleId :

MW-2-111418

Tot Ion	Ratio	Lower	Upper
276	100		
277	41.6	20.4	30.6#
138	45.2	13.2	19.8#

Manual Integrations
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