

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098603.D
 Acq On : 2 Jan 2019 11:38
 Operator : SJ/JU
 Sample : J6590-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06A

Manual Integrations
 APPROVED

Sohil
 1/3/2019 11:22:00 AM

Quant Time: Jan 02 13:38:24 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 02 10:30:27 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1131	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4427	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3267	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	6104	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10328	0.40	ng	0.02
34) Perylene-d12	23.98	264	7405	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	867	0.33	ng	0.01
5) Phenol-d6	6.99	99	1535	0.41	ng	0.00
8) Nitrobenzene-d5	8.96	82	1673	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2138	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	403	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	2926	0.21	ng	0.02
25) Fluoranthene-d10	19.26	212	21379	0.27	ng	0.01
29) Terphenyl-d14	19.87	244	5436	0.22	ng	0.02

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	11078	0.249	ng	# 95
12) 2-Methylnaphthalene	12.28	142	1616	0.223	ng	# 90
16) Acenaphthylene	14.20	152	8338	0.545	ng	# 92
17) Acenaphthene	14.54	154	1516	0.165	ng	# 89
18) Fluorene	15.52	166	4842	0.394	ng	# 94
23) Phenanthrene	17.27	178	64576m	4.353	ng	
24) Anthracene	17.36	178	12631	0.955	ng	# 99
26) Fluoranthene	19.29	202	151675	7.729	ng	# 97
28) Pyrene	19.65	202	136567	4.214	ng	# 92
30) Benzo(a)anthracene	21.41	228	104970	3.569	ng	# 87
31) Chrysene	21.46	228	89615	2.909	ng	# 84
33) Indeno(1,2,3-cd)pyrene	26.64	276	40943	1.336	ng	# 93
35) Benzo(b)fluoranthene	23.20	252	116864	5.771	ng	# 1
36) Benzo(k)fluoranthene	23.24	252	43469m	1.843	ng	
37) Benzo(a)pyrene	23.86	252	73144	3.501	ng	# 1
38) Dibenzo(a,h)anthracene	26.65	278	10678	0.543	ng	# 1
39) Benzo(a,h,i)perylene	27.46	276	37682	1.900	ng	# 82

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

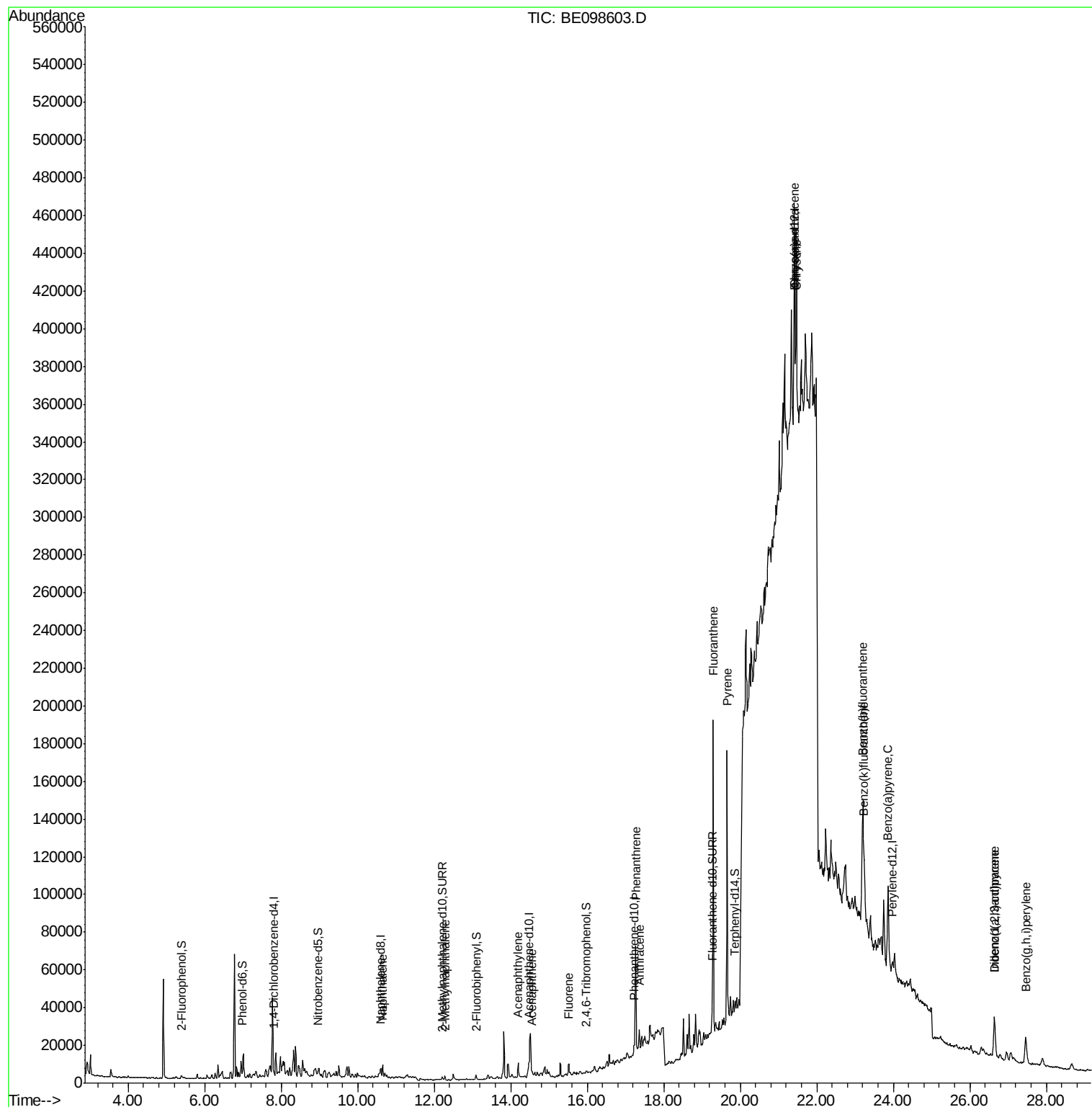
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098603.D
Acq On : 2 Jan 2019 11:38
Operator : SJ/JU
Sample : J6590-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

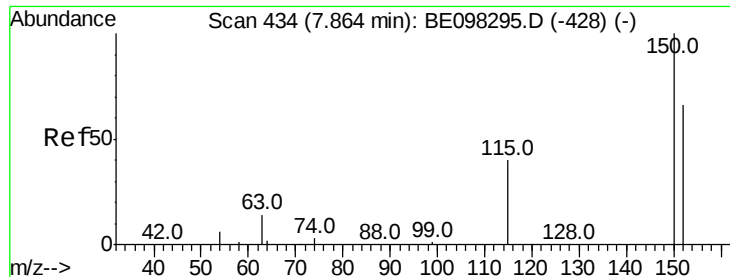
Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Quant Time: Jan 02 13:38:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration

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#1

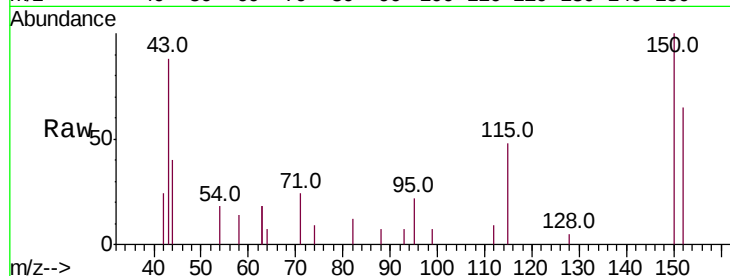
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

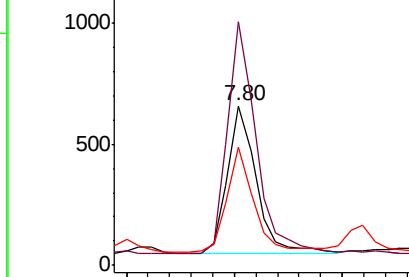
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.2	186.4
115	74.0	53.9	80.9

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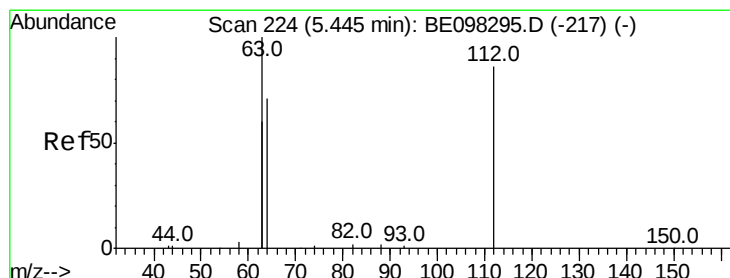
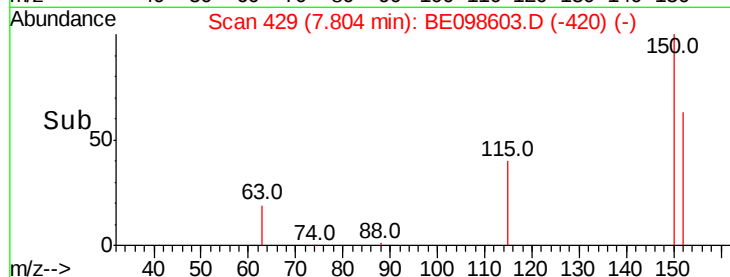
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



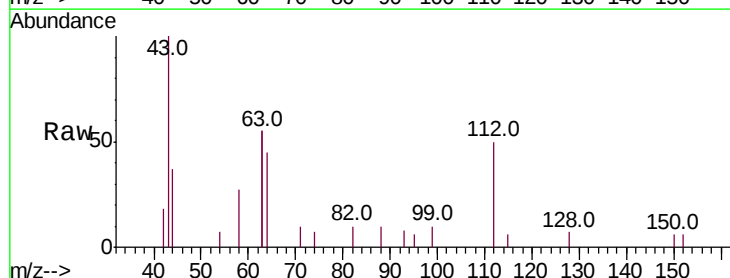
Time-->



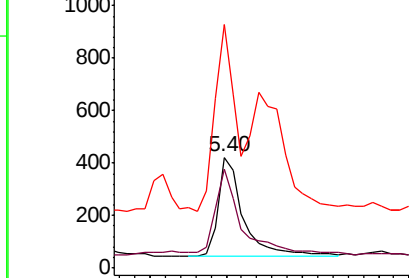
#4

2-Fluorophenol
Concen: 0.328 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

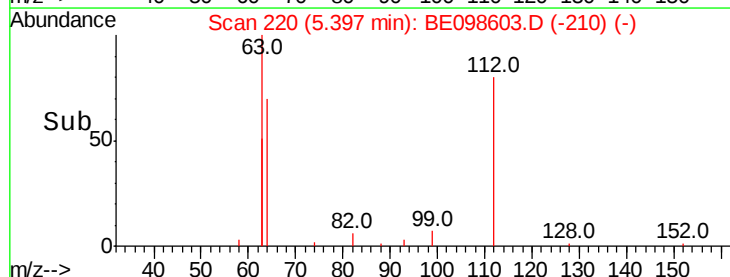
Tgt Ion	Ratio	Lower	Upper
112	100		
64	89.9	59.8	89.8#
63	149.9	133.7	200.5

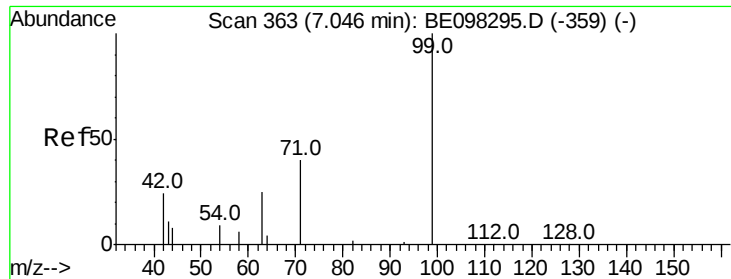


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.409 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

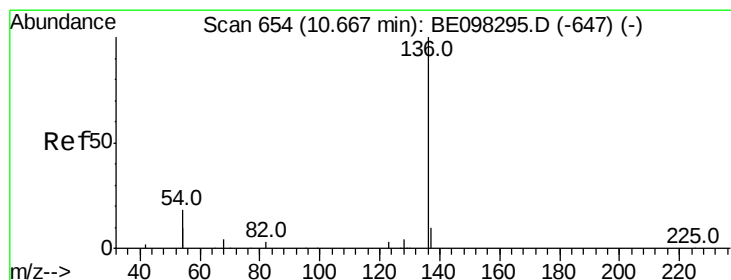
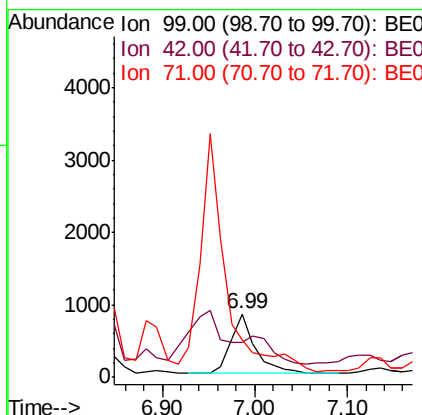
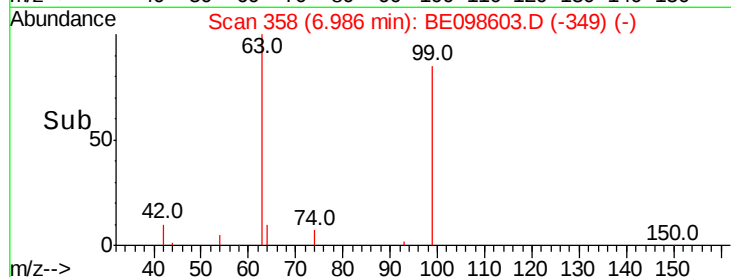
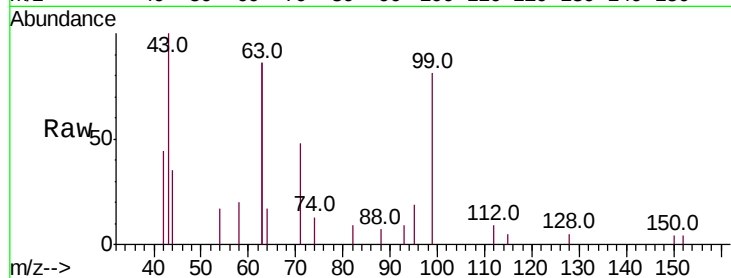
ClientSampleId :

AOC8-06A

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	26.3	39.5#
71	0.0	33.6	50.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

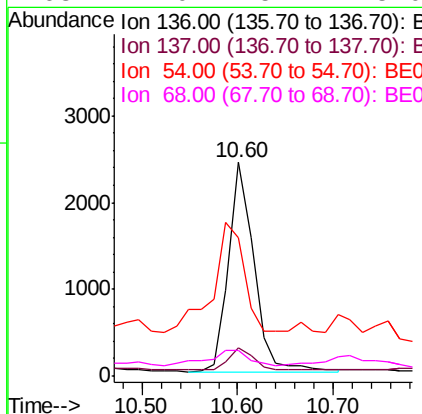
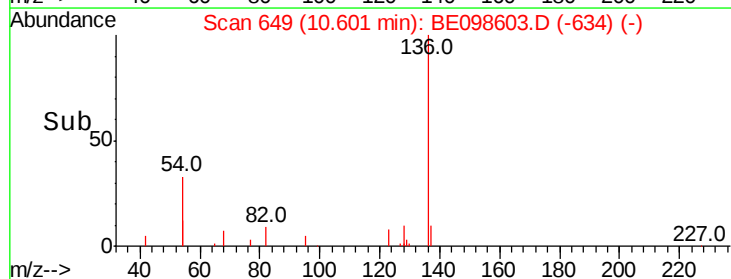
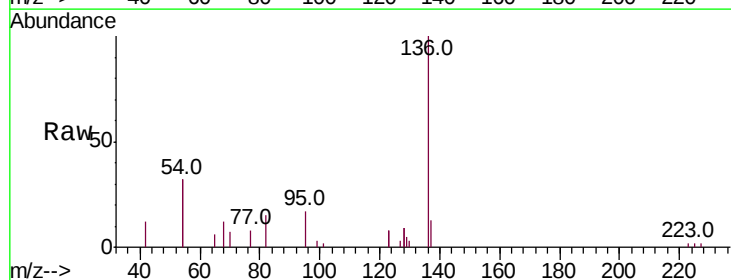
RT: 10.60 min Scan# 649

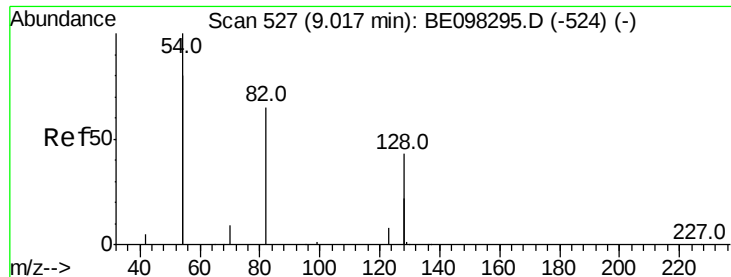
Delta R.T. -0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.2	13.8
54	64.4	28.4	42.6#
68	12.0	5.4	8.0#





#8

Nitrobenzene-d5

Concen: 0.415 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

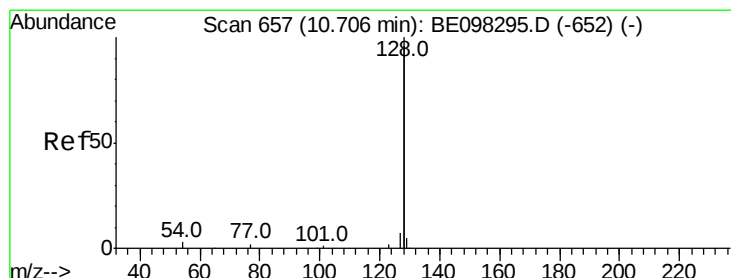
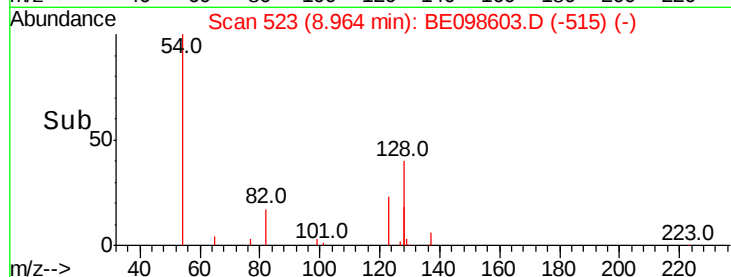
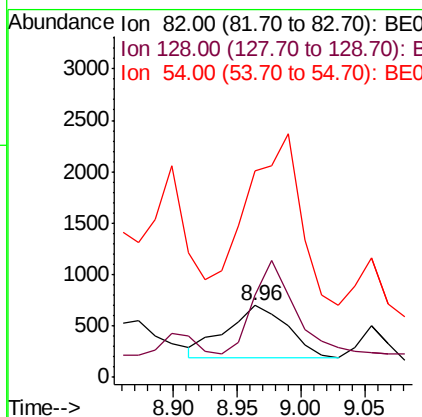
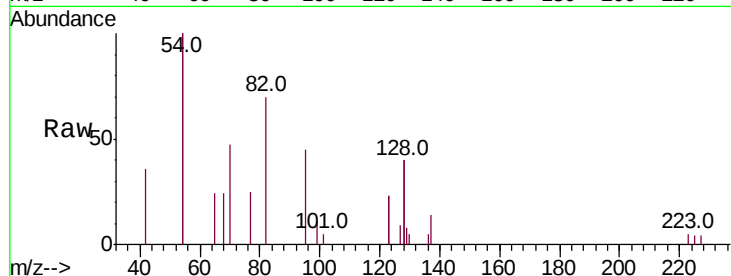
ClientSampled :

AOC8-06A

Tot Ion:	82	Resp:	1673
Ion	Ratio	Lower	Upper
82	100		
128	114.9	102.4	153.6
54	287.1	221.8	332.8

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#9

Naphthalene

Concen: 0.249 ng

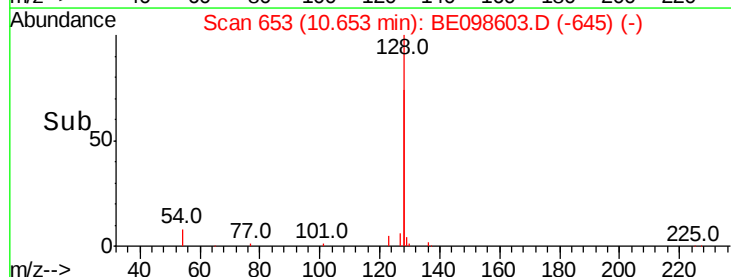
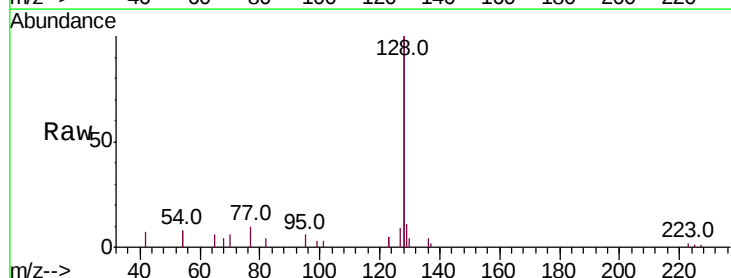
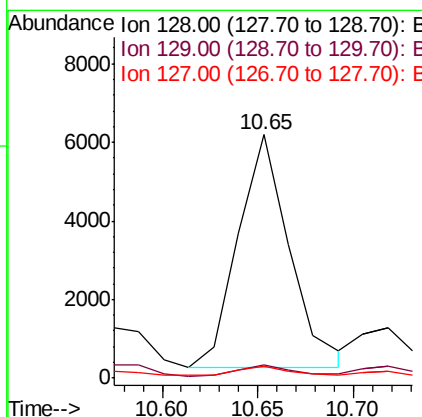
RT: 10.65 min Scan# 653

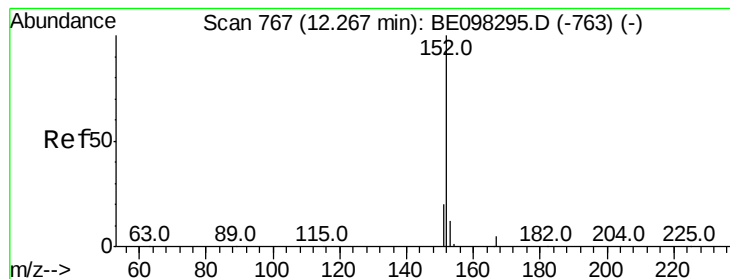
Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Tgt Ion:	128	Resp:	11078
Ion	Ratio	Lower	Upper
128	100		
129	5.3	2.5	3.7#
127	4.7	2.7	4.1#





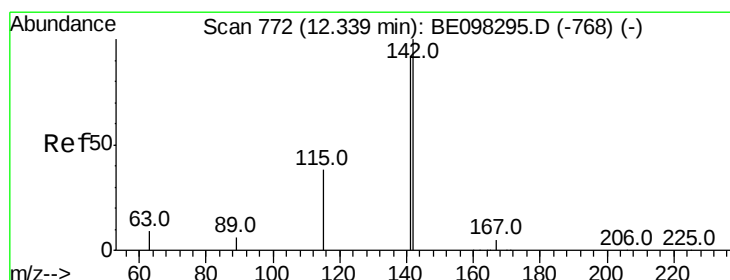
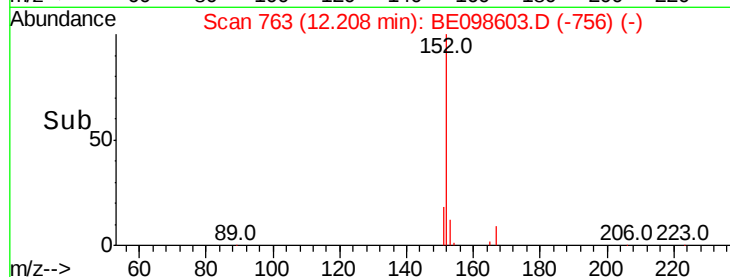
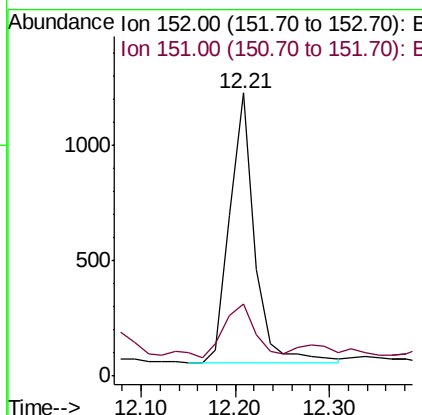
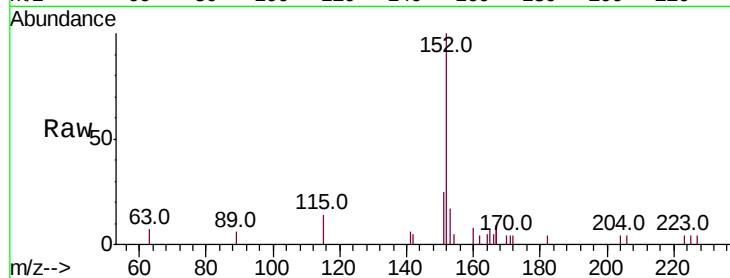
#11
2-Methylnaphthalene-d10
Concen: 0.297 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Lower	Upper
152	100		
151	24.6	16.2	24.4#

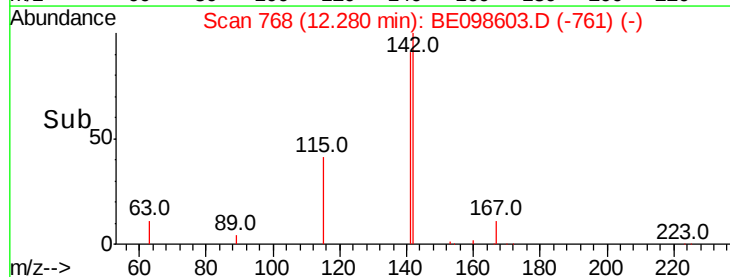
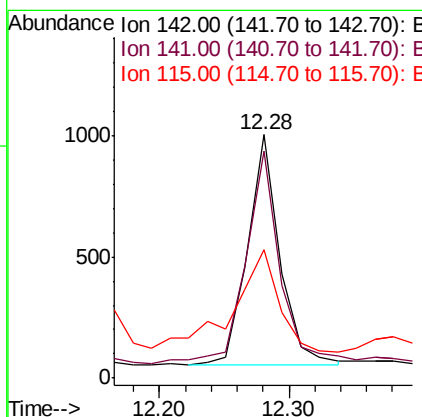
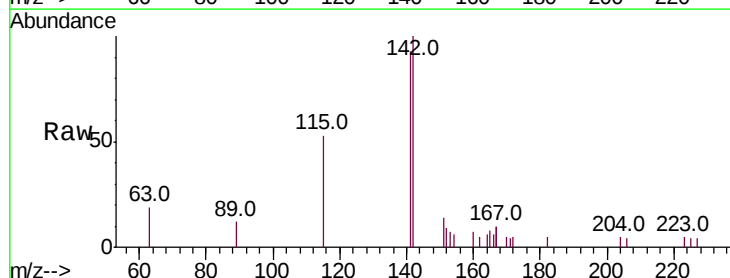
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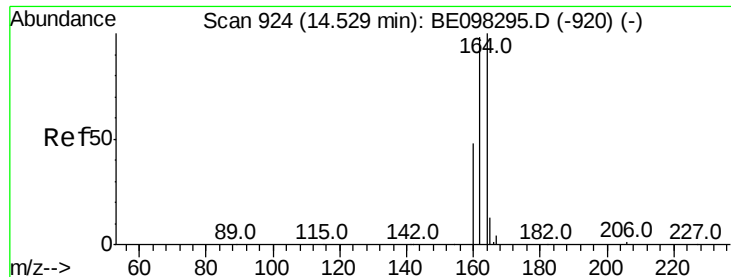
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#12
2-Methylnaphthalene
Concen: 0.223 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.0	106.6
115	52.9	32.2	48.2#





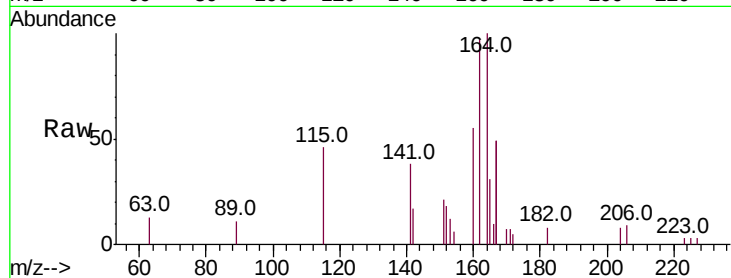
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06A

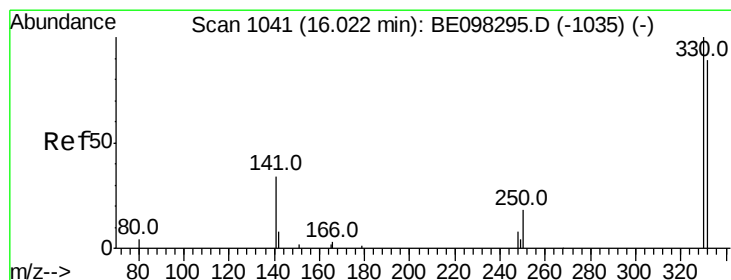
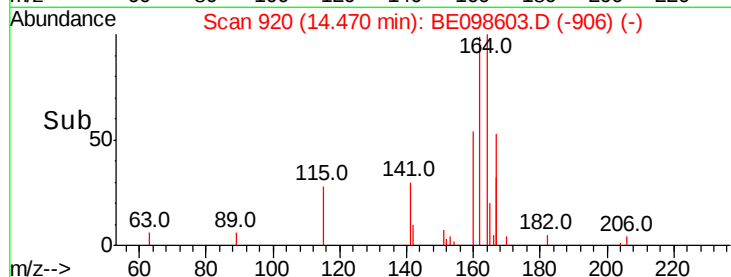
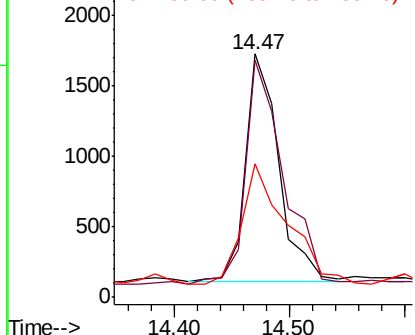
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.5	77.6	116.4
160	54.6	36.0	54.0#

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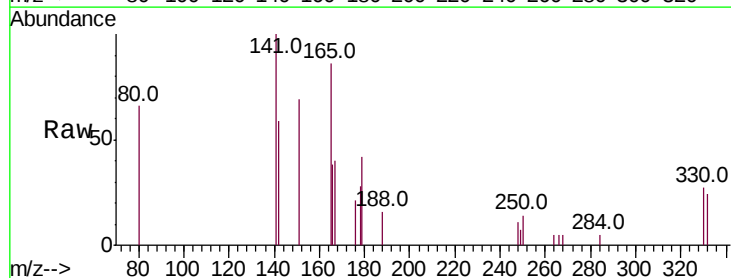


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

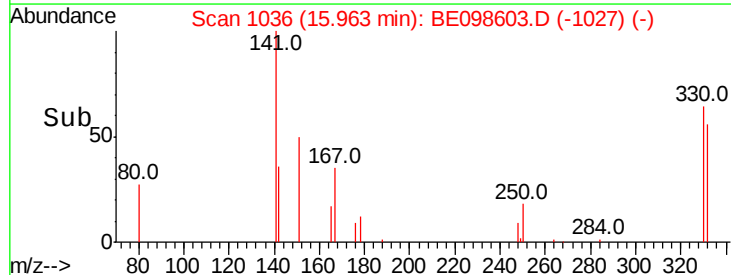
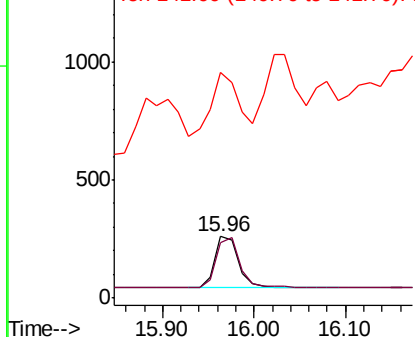


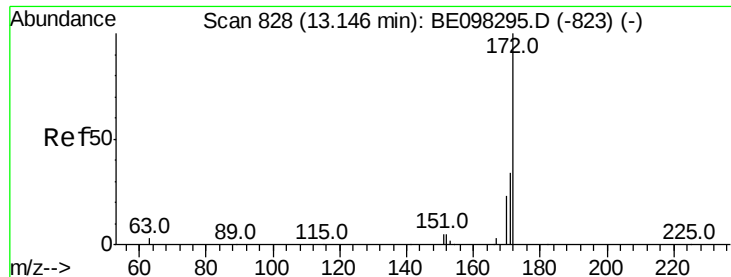
#14
 2,4,6-Tribromophenol
 Concen: 0.336 ng
 RT: 15.96 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.2	114.4
141	136.2	39.0	58.4#



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





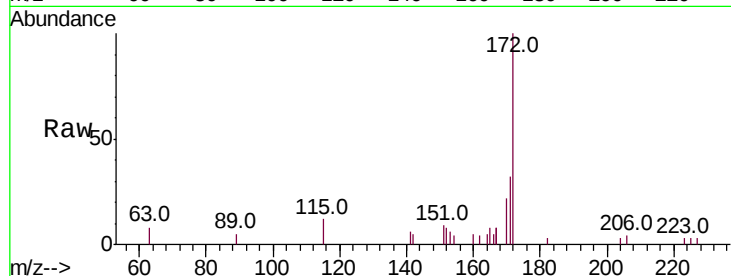
#15
2-Fluorobiphenyl
Concen: 0.212 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.0	27.5	41.3
170	21.5	19.6	29.4

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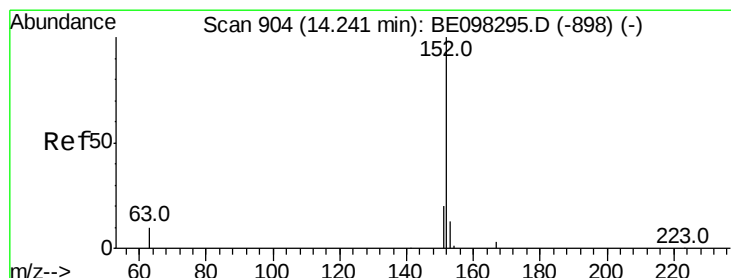
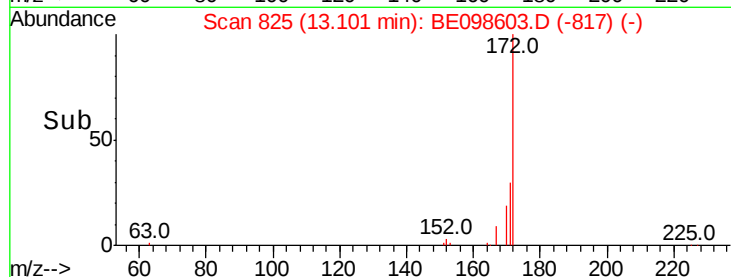
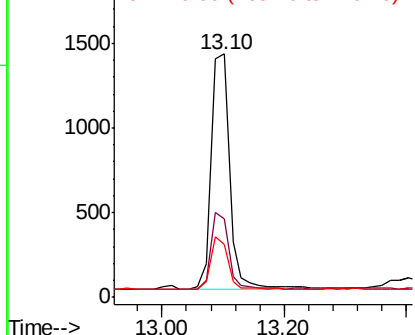


Abundance

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



#16
Acenaphthylene
Concen: 0.545 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

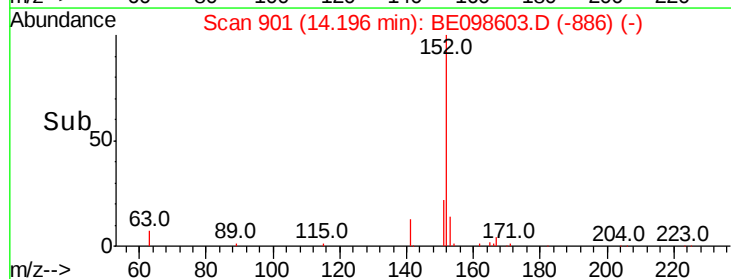
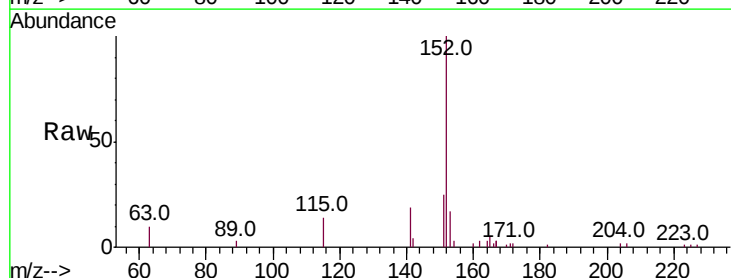
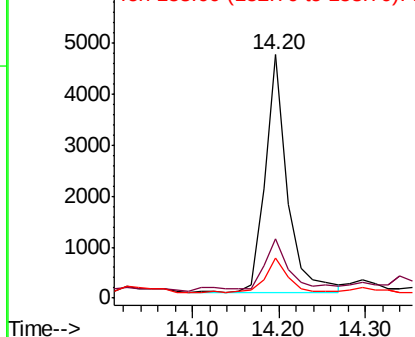
Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	15.5	23.3
153	16.6	10.6	16.0

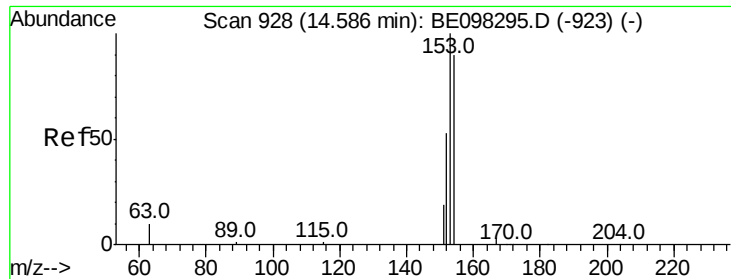
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





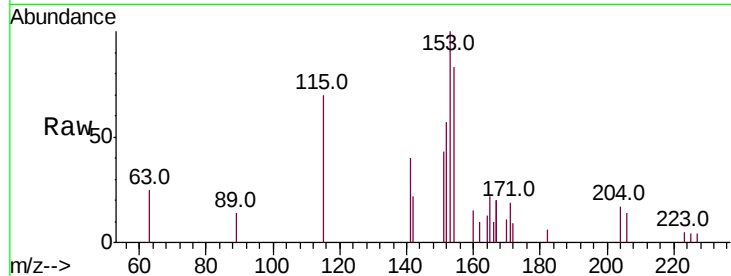
#17
Acenaphthene
Concen: 0.165 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

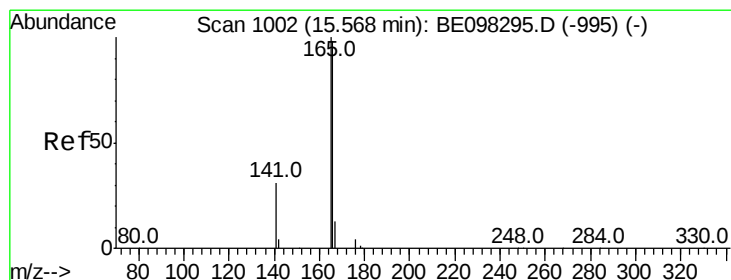
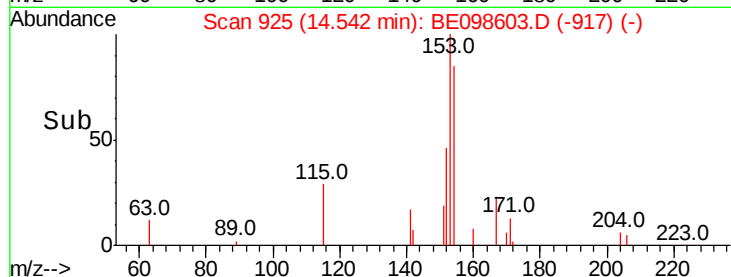
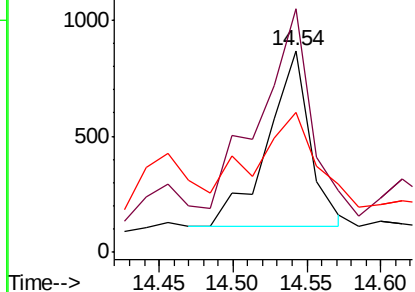
Tot Ion	Ratio	Lower	Upper
154	100		
153	130.5	91.8	137.6
152	54.9	45.5	68.3

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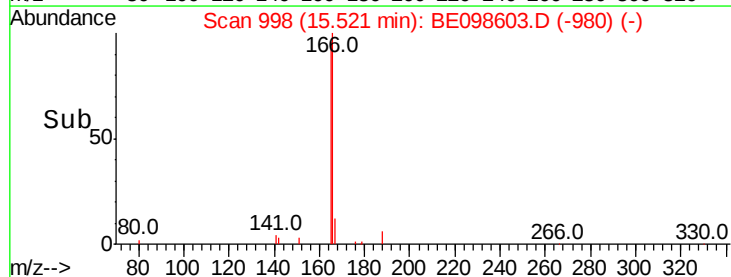
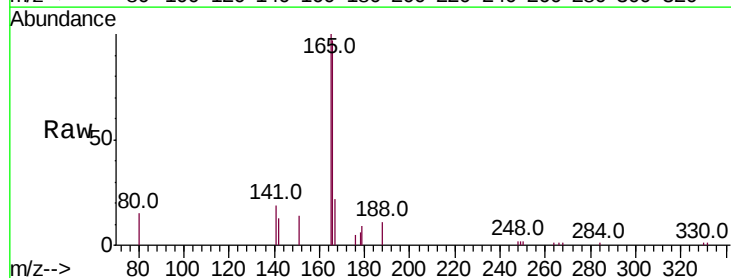
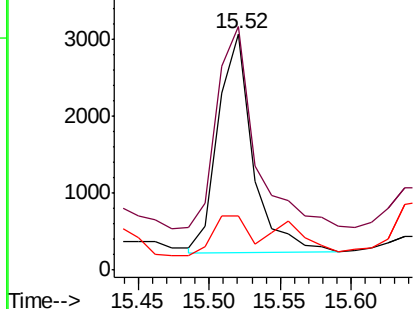
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

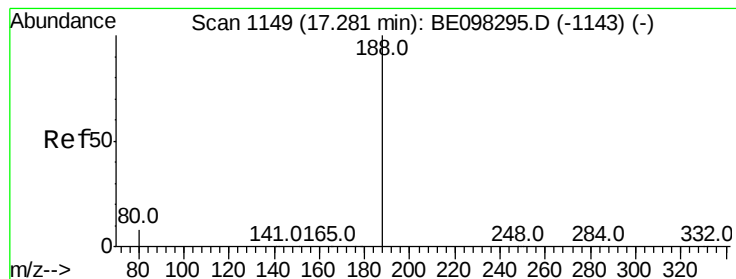


#18
Fluorene
Concen: 0.394 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.0	79.3	118.9
167	19.5	11.3	16.9#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

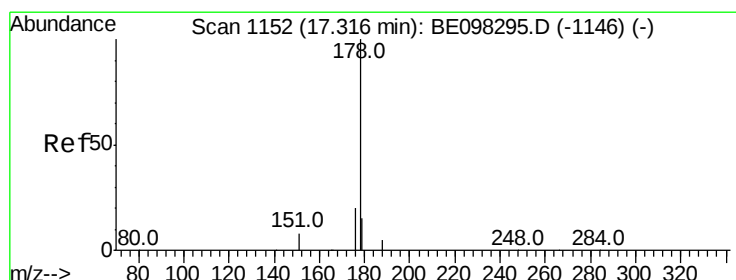
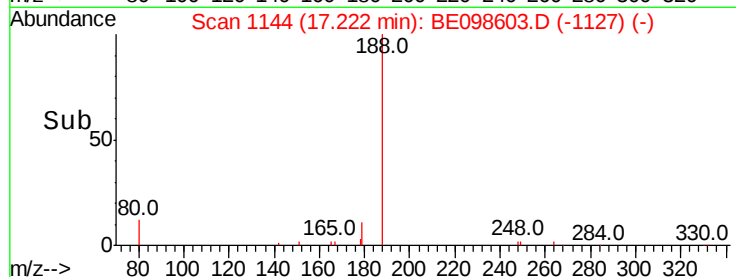
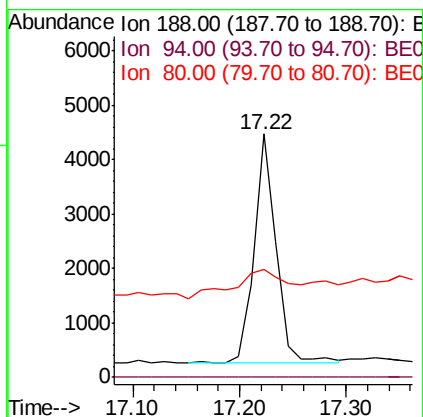
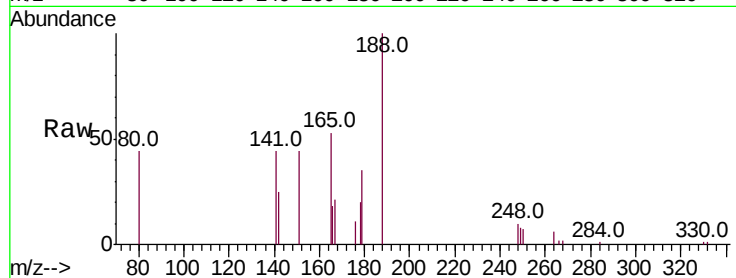
ClientSampleId :

AOC8-06A

Tot Ion:	188	Resp:	6104
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	44.4	7.2	10.8#

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#23

Phenanthrene

Concen: 4.353 ng m

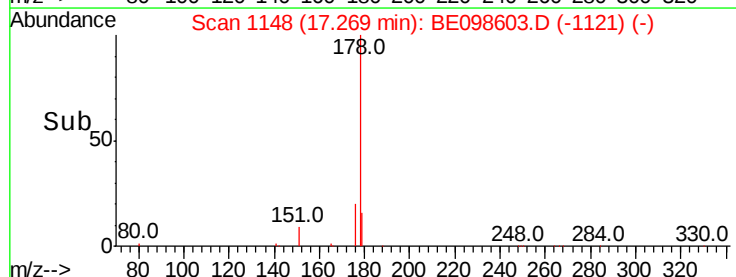
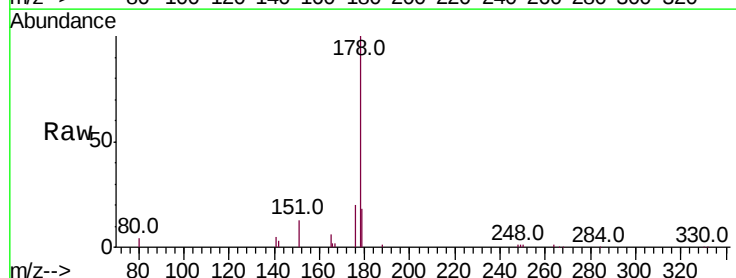
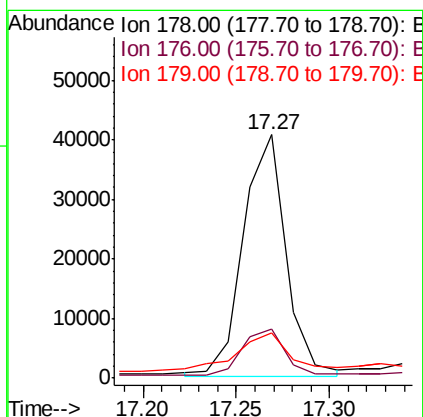
RT: 17.27 min Scan# 1148

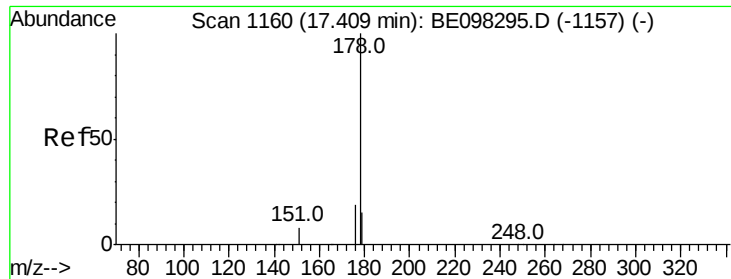
Delta R.T. 0.01 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Tgt Ion:	178	Resp:	64576
Ion Ratio	Lower	Upper	
178	100		
176	4.3	15.9	23.9#
179	3.4	12.3	18.5#





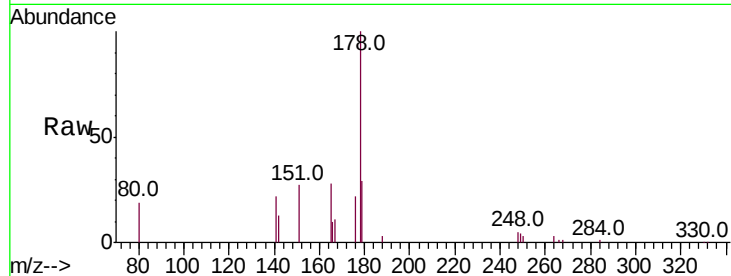
#24
 Anthracene
 Concen: 0.955 ng
 RT: 17.36 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Instrument :
 BNA_E
 ClientSampled :
 AOC8-06A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	14.6	12.3	18.5

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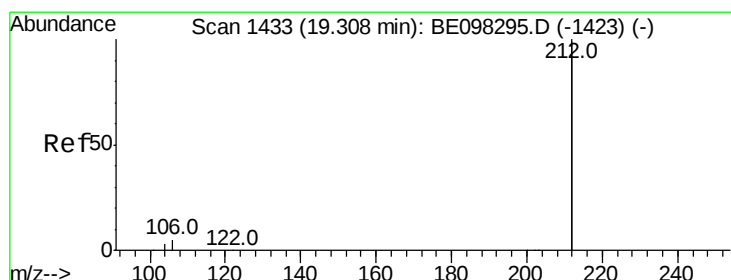
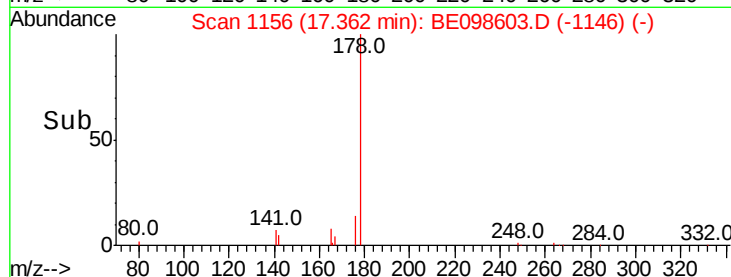
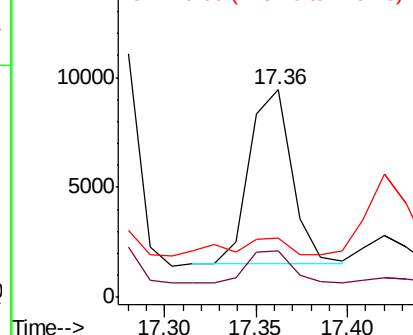


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25
 Fluoranthene-d10
 Concen: 0.273 ng
 RT: 19.26 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

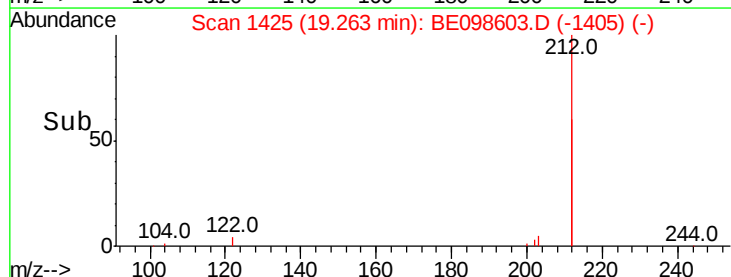
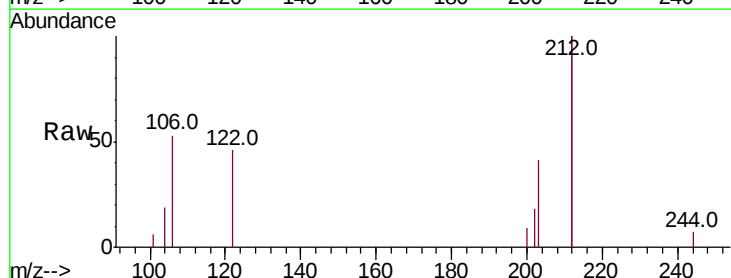
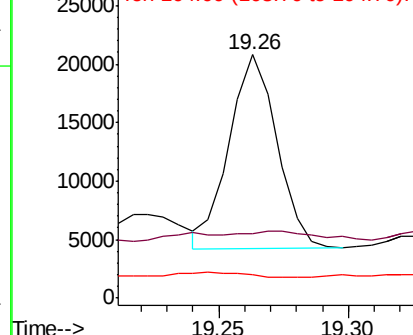
Tgt Ion	Ratio	Lower	Upper
212	100		
106	7.0	2.2	3.2#
104	0.0	1.3	1.9#

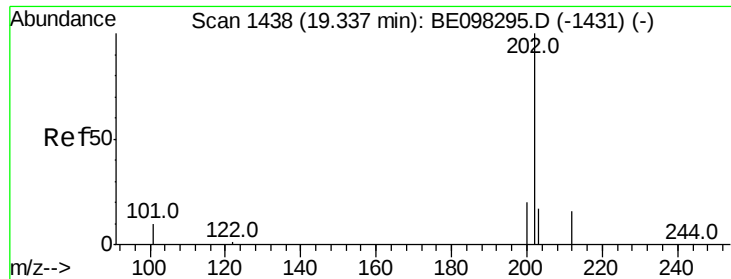
Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





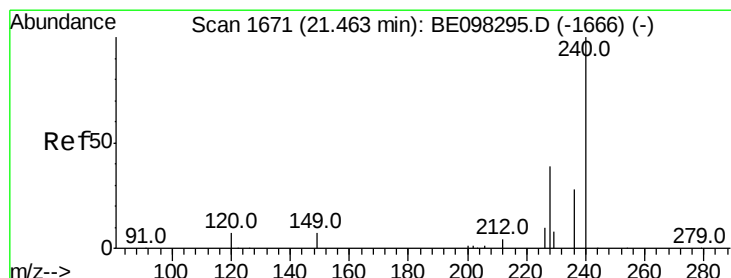
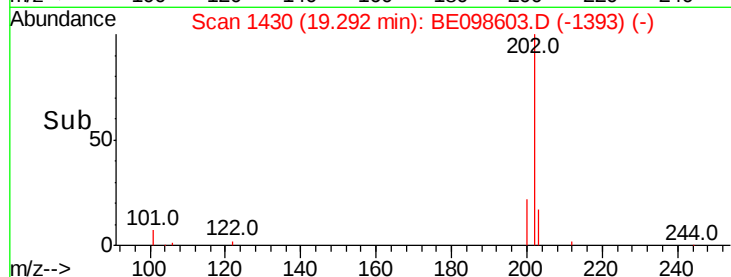
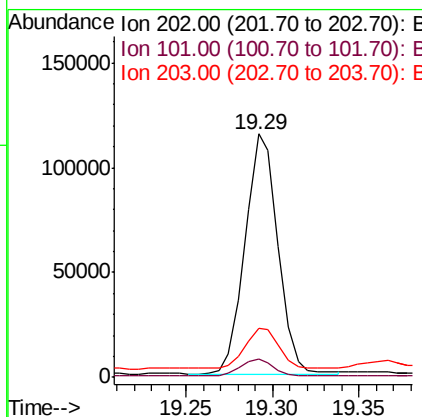
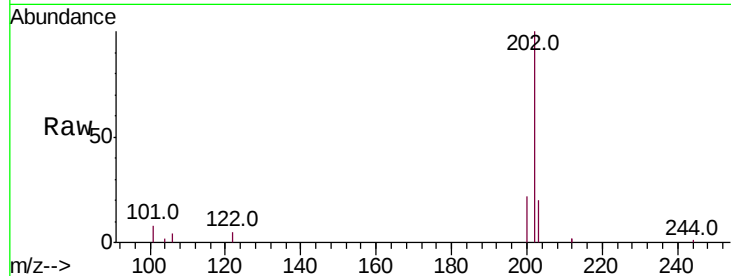
#26
 Fluoranthene
 Concen: 7.729 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. 0.01 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.1	8.0	12.0#
203	17.2	13.8	20.6

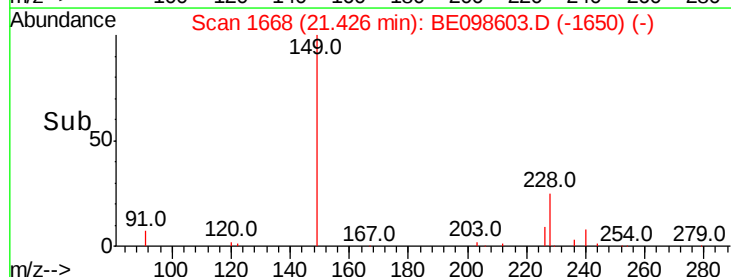
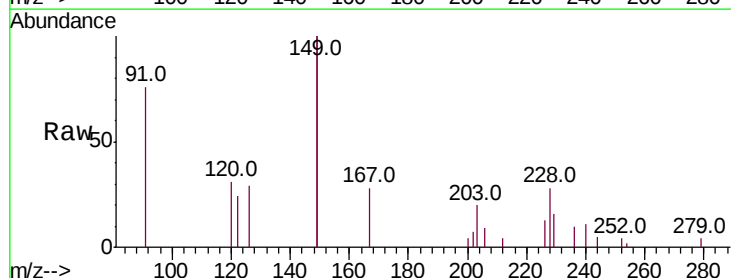
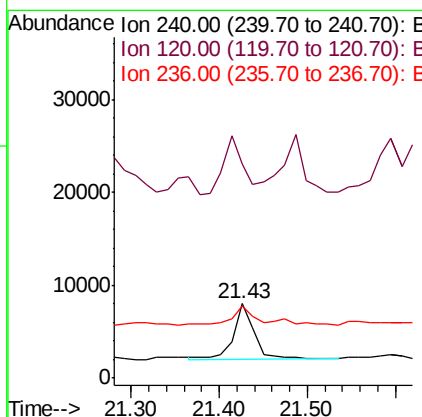
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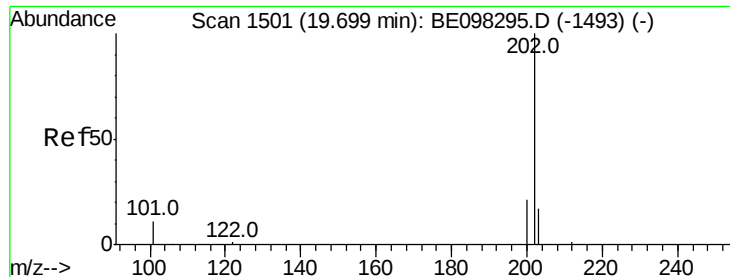
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1668
 Delta R.T. 0.02 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	287.6	9.5	14.3#
236	97.0	22.7	34.1#





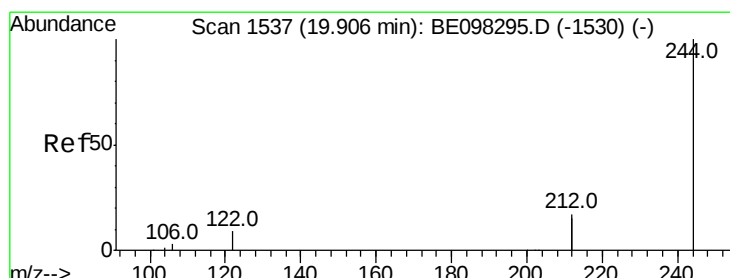
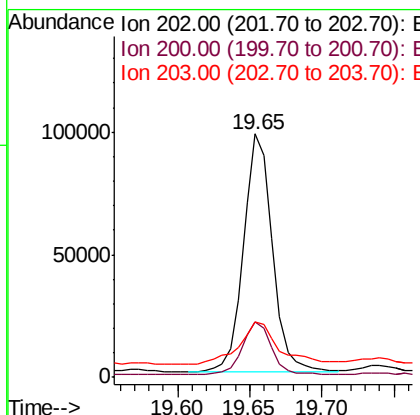
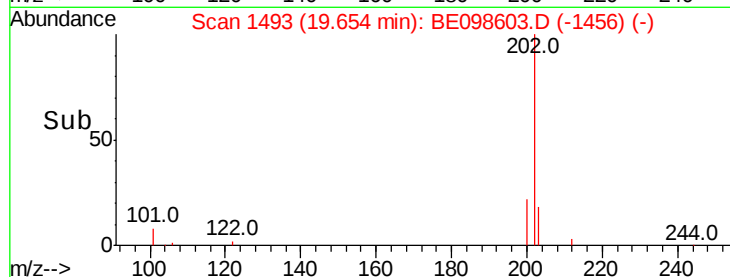
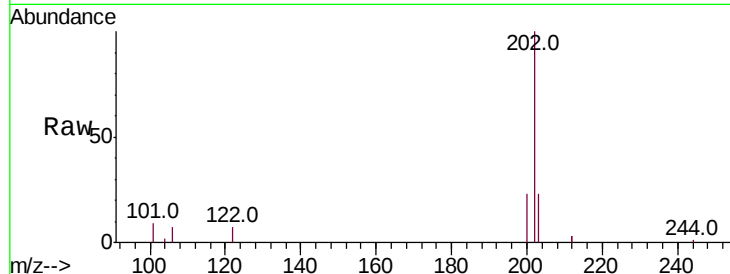
#28
Pvrene
Concen: 4.214 ng
RT: 19.65 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	16.7	25.1
203	24.3	14.1	21.1

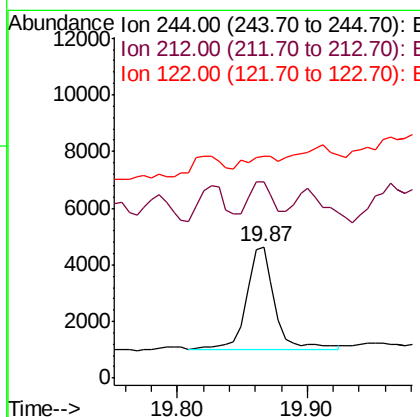
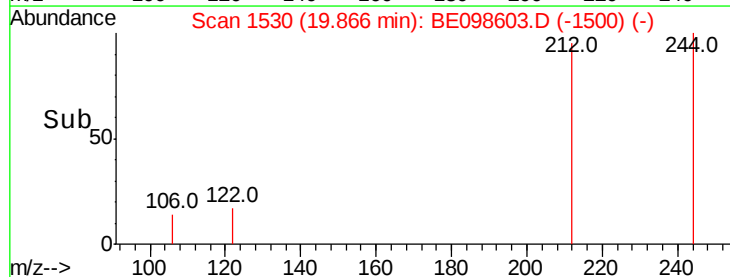
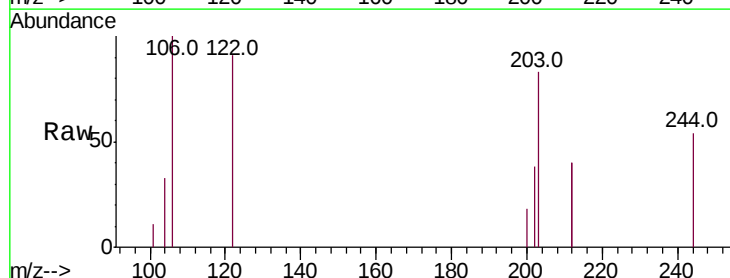
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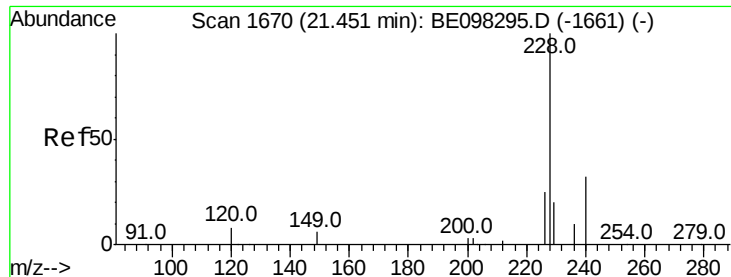
Sohil
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#29
Terphenyl-d14
Concen: 0.217 ng
RT: 19.87 min Scan# 1530
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	150.1	27.4	41.0
122	169.4	8.3	12.5





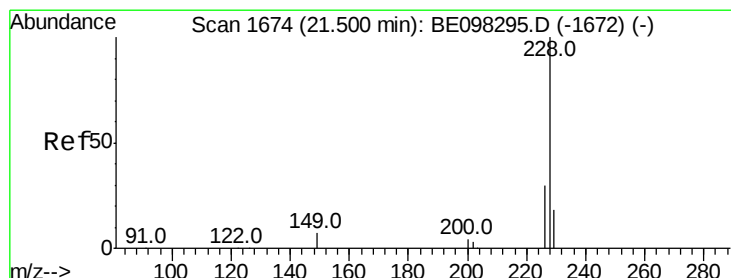
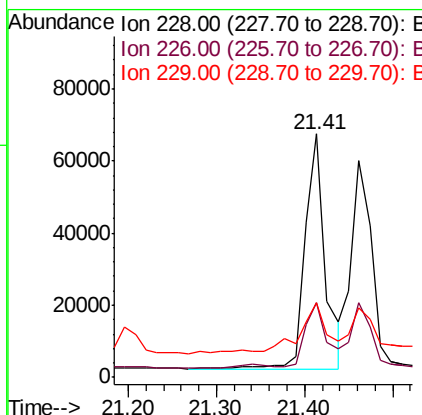
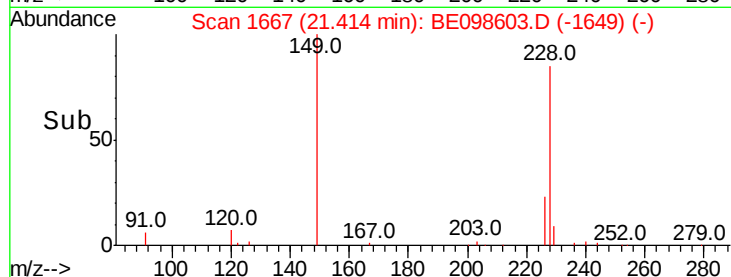
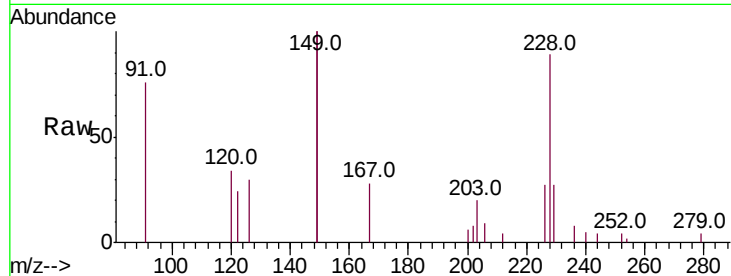
#30
Benzo(a)anthracene
Concen: 3.569 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.8	32.8
229	30.6	16.3	24.5#

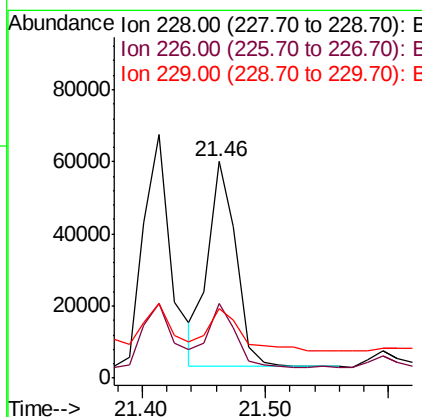
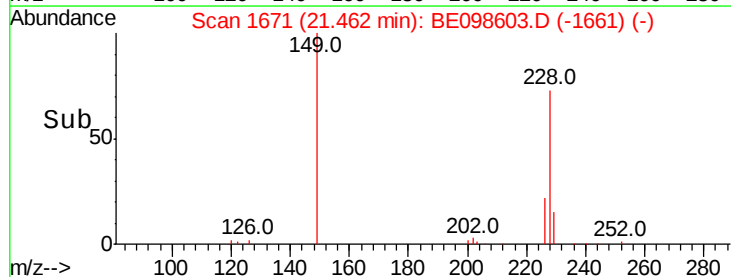
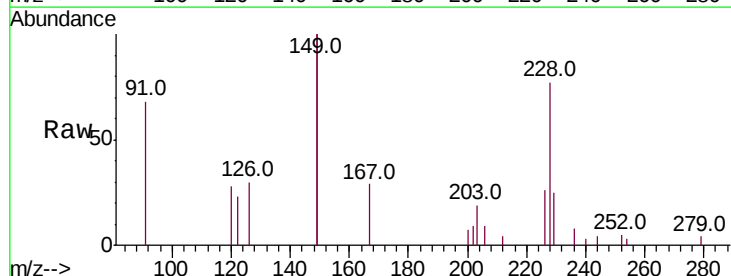
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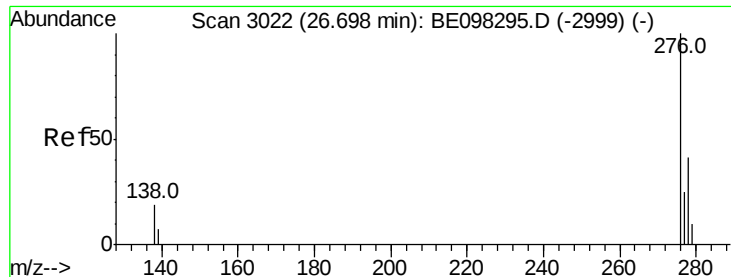
Sohil
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#31
Chrysene
Concen: 2.909 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	23.4	35.0
229	32.3	16.2	24.4#





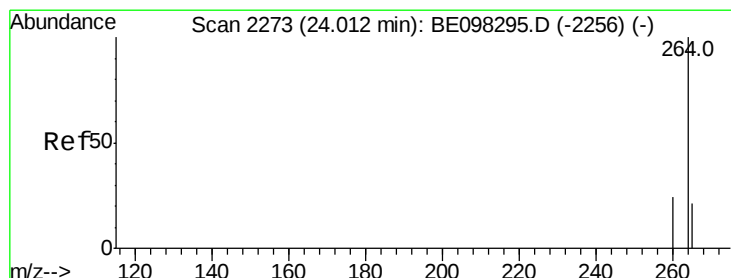
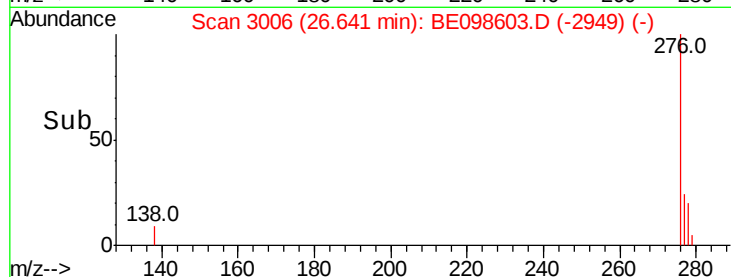
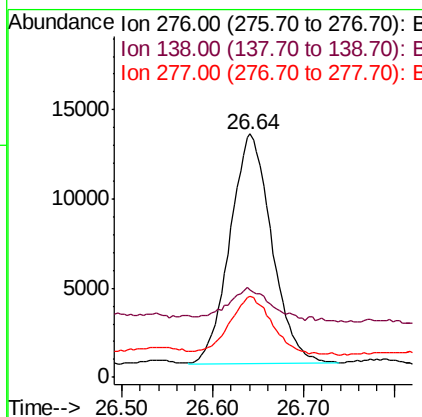
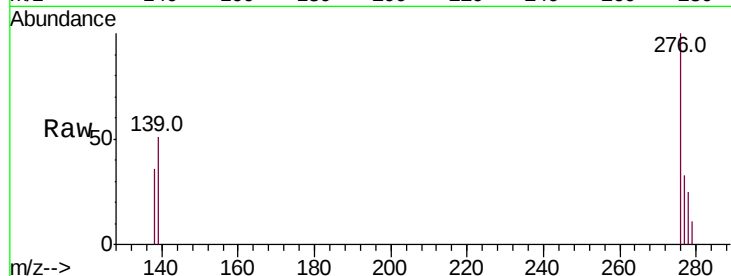
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.336 ng
 RT: 26.64 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06A

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.3	16.3	24.5#
277	24.4	20.2	30.4

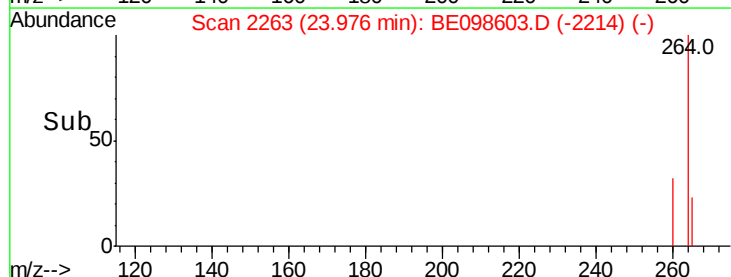
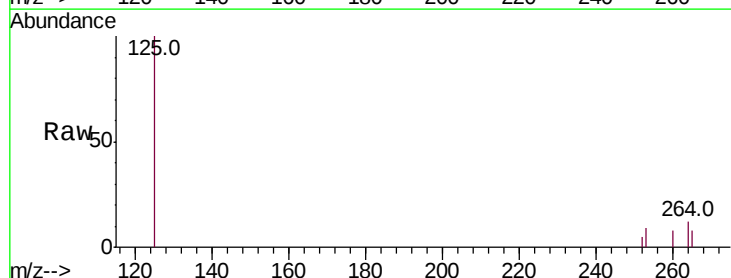
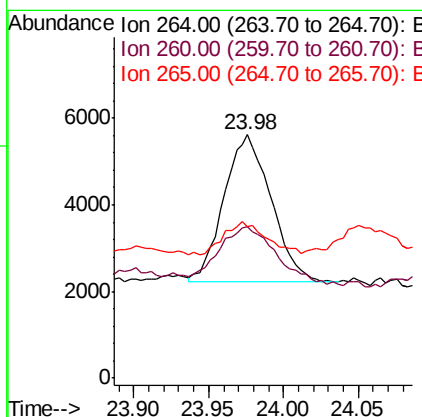
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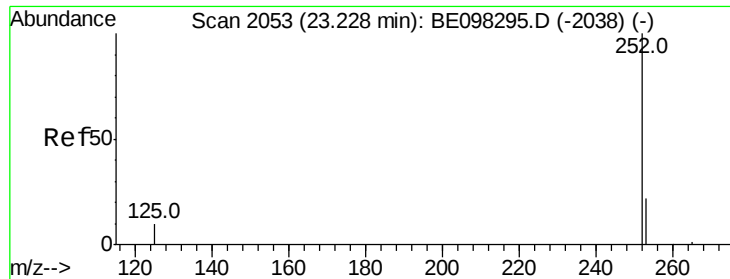
Sohil
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2263
 Delta R.T. 0.02 min
 Lab File: BE098603.D
 Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	62.0	20.2	30.2#
265	62.4	25.2	37.8#





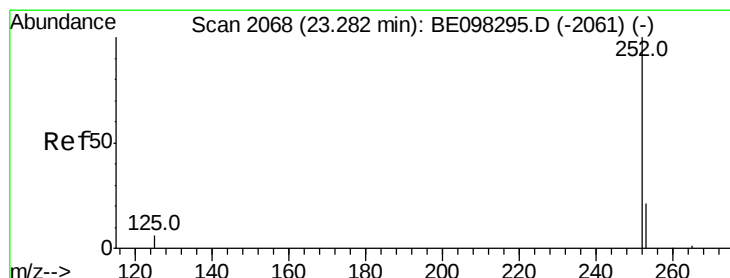
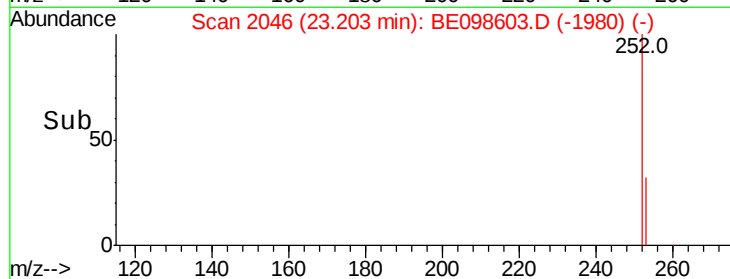
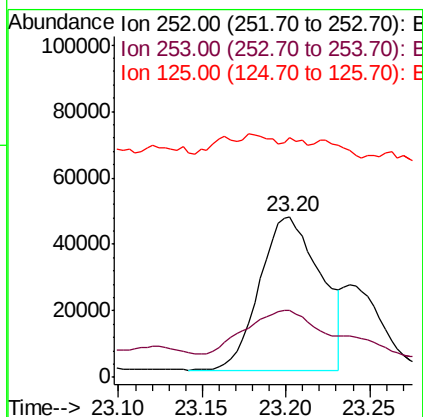
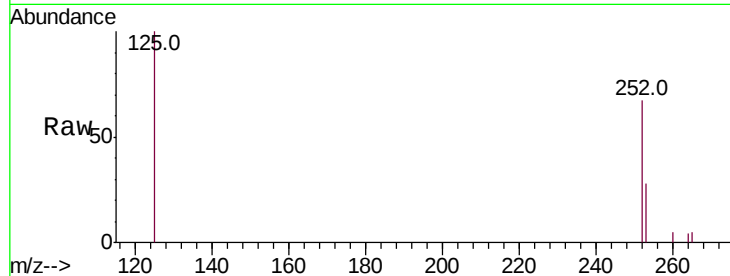
#35
Benzo(b)fluoranthene
Concen: 5.771 ng
RT: 23.20 min Scan# 2046
Delta R.T. 0.03 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Lower	Upper
252	100		
253	41.5	20.0	30.0#
125	148.8	9.6	14.4#

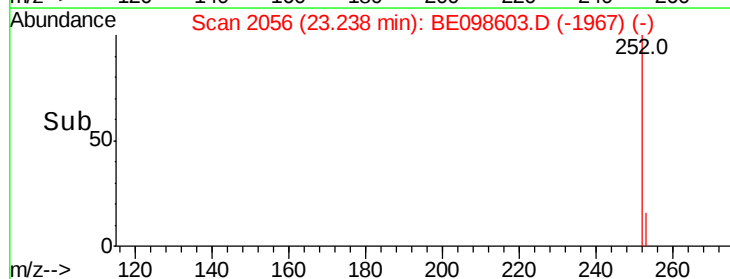
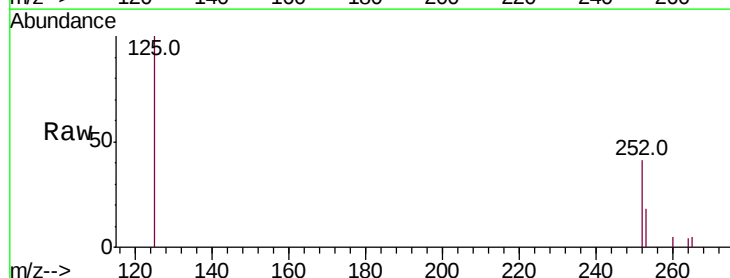
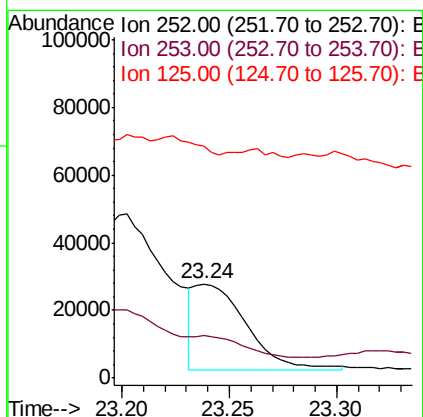
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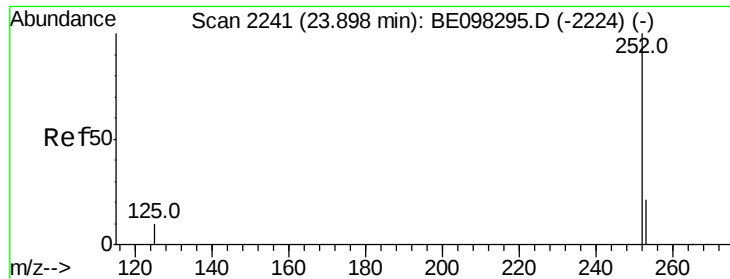
Sohil
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#36
Benzo(k)fluoranthene
Concen: 1.843 ng m
RT: 23.24 min Scan# 2056
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.2	19.0	28.6#
125	246.6	9.1	13.7#





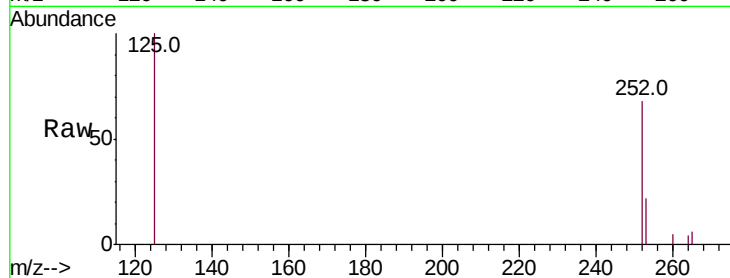
#37
Benzo(a)pyrene
Concen: 3.501 ng
RT: 23.86 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

Instrument :
BNA_E
ClientSampleId :
AOC8-06A

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	20.6	30.8#
125	147.3	10.5	15.7#

Manual Integrations
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Sohil
1/3/2019 11:22:00 AM

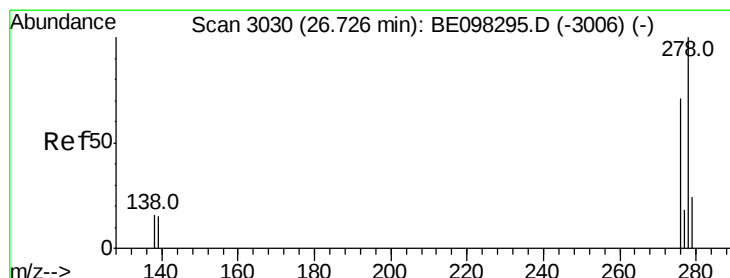
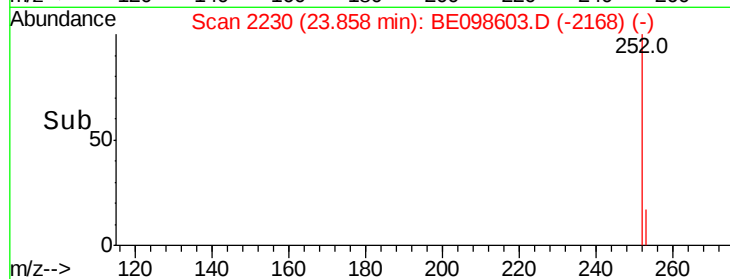
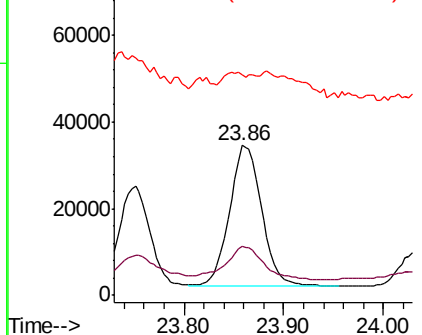


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.543 ng
RT: 26.65 min Scan# 3008
Delta R.T. -0.02 min
Lab File: BE098603.D
Acq: 2 Jan 2019 11:38

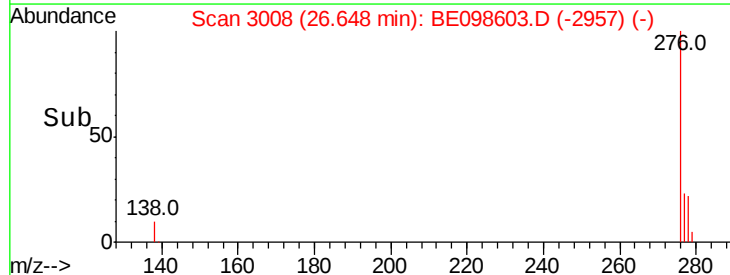
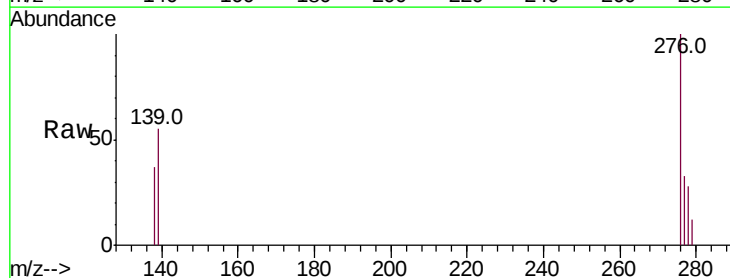
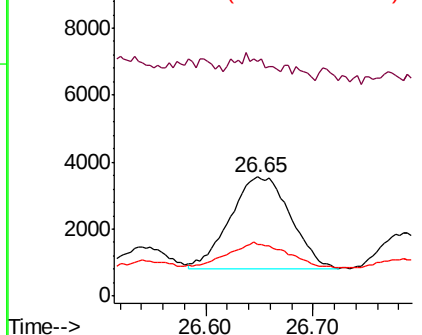
Tgt Ion	Ratio	Lower	Upper
278	100		
139	197.5	14.5	21.7#
279	43.0	21.8	32.8#

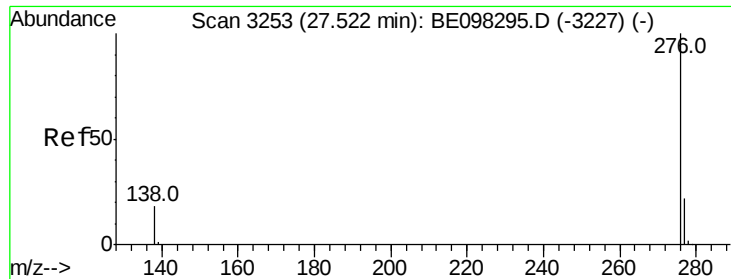
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.900 ng

RT: 27.46 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BE098603.D

Acq: 2 Jan 2019 11:38

Instrument :

BNA_E

ClientSampleId :

AOC8-06A

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.1	20.8	31.2
138	33.1	15.8	23.6

Manual Integrations
APPROVED

Sohil
1/3/2019 11:22:00 AM

