

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101818\
 Data File : BE097978.D
 Acq On : 18 Oct 2018 15:34
 Operator : SJ/JU
 Sample : J5521-06DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-02ADL

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:59:18 PM

Quant Time: Oct 19 01:33:51 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	7.87	152	2238	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	11194	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	8169	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	20976	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	23429	0.40	ng	-0.01
34) Perylene-d12	24.03	264	22891	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	55	0.01	ng	-0.01
5) Phenol-d6	7.06	99	105	0.01	ng	0.00
8) Nitrobenzene-d5	9.04	82	63	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	84	0.00	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	47	0.01	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	180	0.01	ng	0.00
25) Fluoranthene-d10	19.32	212	898	0.00	ng	-0.01
29) Terphenyl-d14	19.91	244	628	0.01	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.73	128	5663	0.051	ng	# 96
12) 2-Methylnaphthalene	12.35	142	1005	0.053	ng	# 87
16) Acenaphthylene	14.27	152	6786	0.180	ng	96
17) Acenaphthene	14.61	154	2657	0.115	ng	99
18) Fluorene	15.59	166	8784	0.277	ng	99
23) Phenanthrene	17.33	178	97906	1.837	ng	100
24) Anthracene	17.42	178	32054	0.637	ng	98
26) Fluoranthene	19.35	202	199950	2.859	ng	98
28) Pyrene	19.71	202	170596	2.524	ng	# 95
30) Benzo(a)anthracene	21.46	228	116330	1.619	ng	99
31) Chrysene	21.51	228	85486	1.256	ng	99
33) Indeno(1,2,3-cd)pyrene	26.72	276	56243	0.891	ng	96
35) Benzo(b)fluoranthene	23.25	252	116376	1.767	ng	# 90
36) Benzo(k)fluoranthene	23.29	252	46299m	0.674	ng	
37) Benzo(a)pyrene	23.91	252	88831m	1.383	ng	
38) Dibenzo(a,h)anthracene	26.73	278	13950	0.222	ng	95
39) Benzo(g,h,i)perylene	27.54	276	53598	0.832	ng	93

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

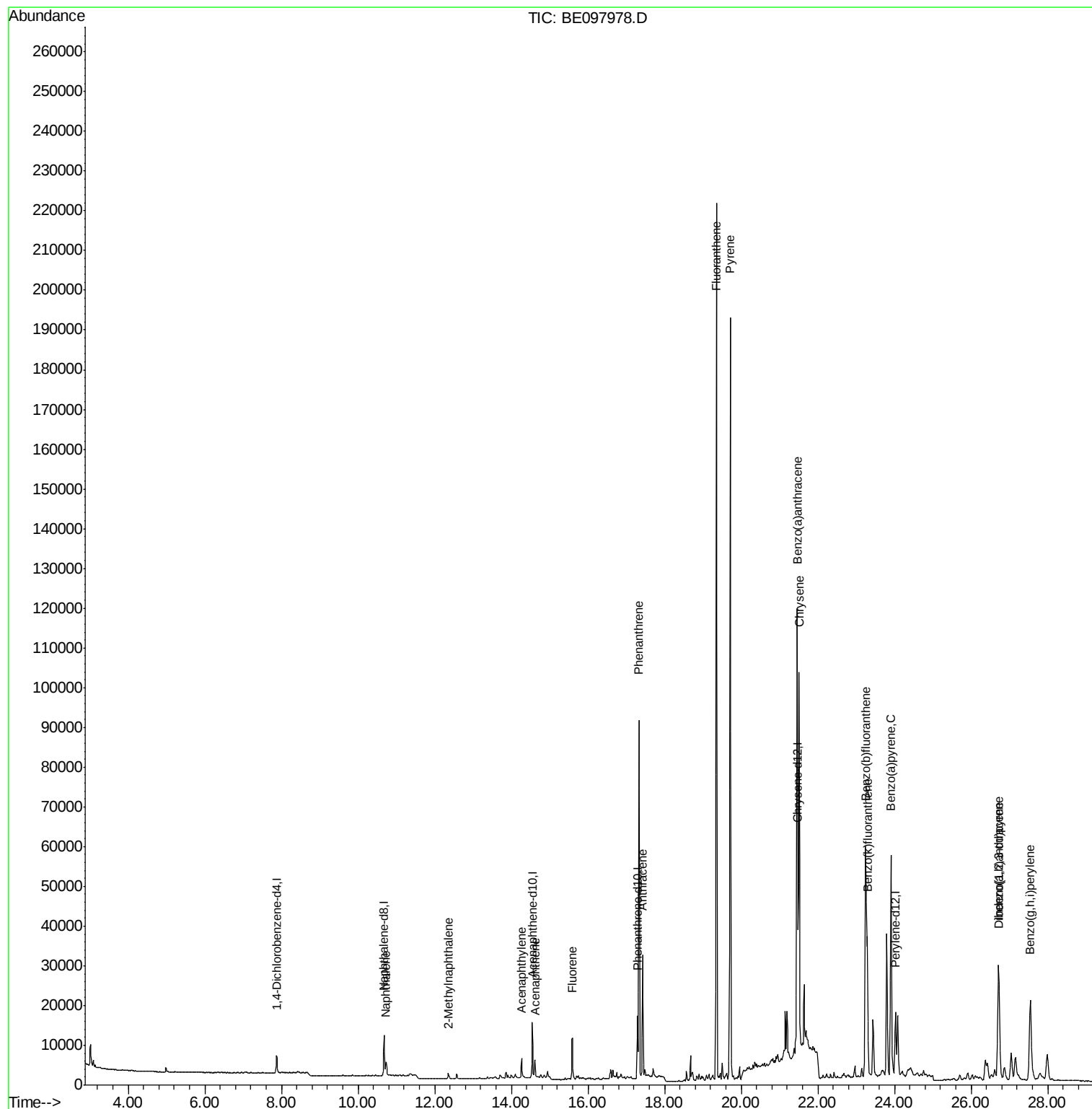
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101818\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

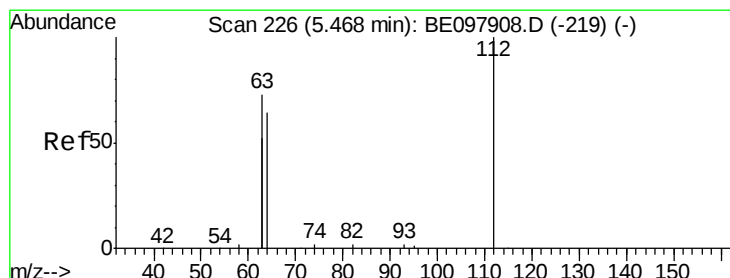
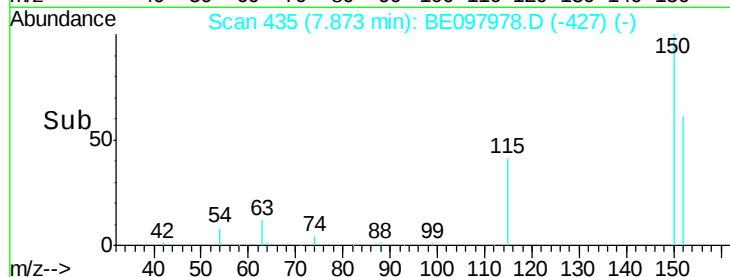
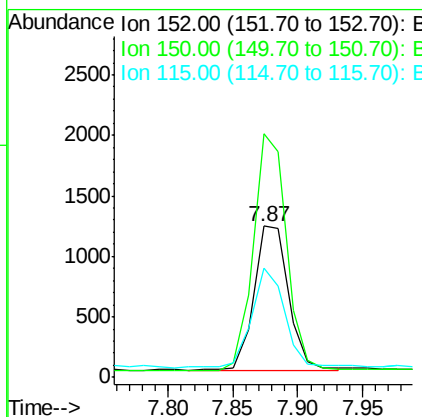
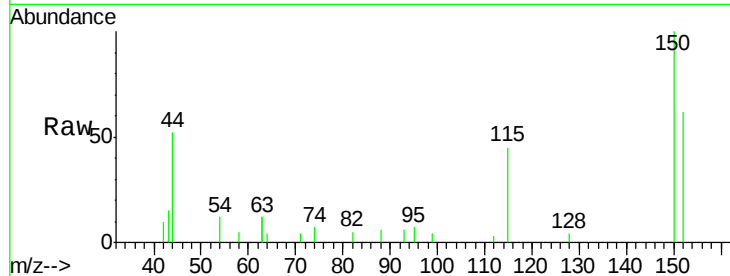
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.01 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Instrument :
BNA_E
ClientSampleId :
AOC8-02ADL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.2	118.2	177.4
115	72.4	50.9	76.3

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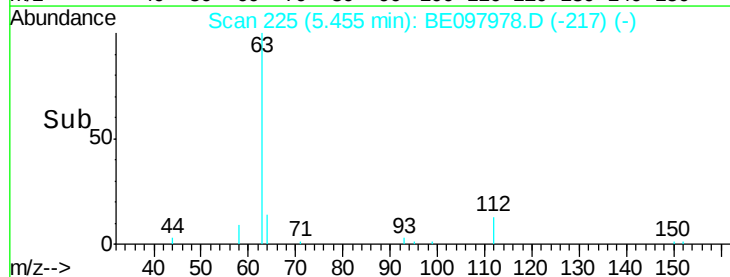
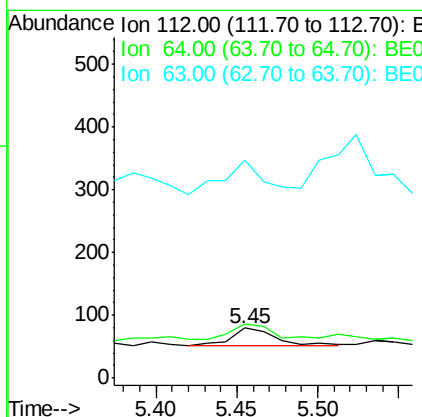
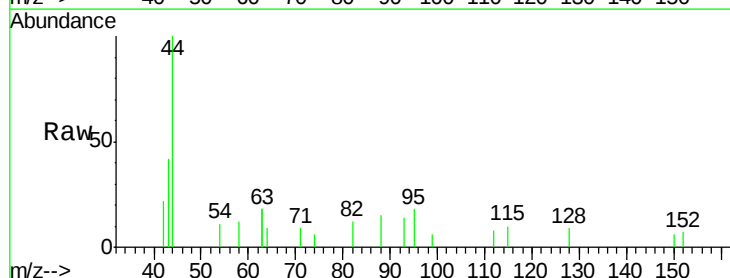
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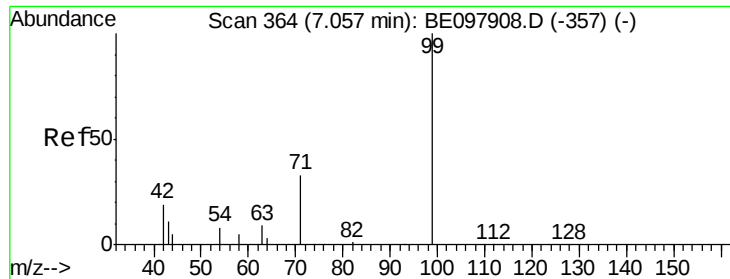


#4

2-Fluorophenol
Concen: 0.008 ng
RT: 5.45 min Scan# 225
Delta R.T. -0.01 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.4	58.9	88.3
63	178.2	120.3	180.5





#5

Phenol-d6

Concen: 0.010 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

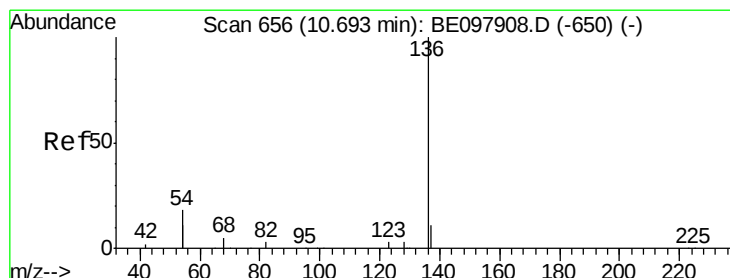
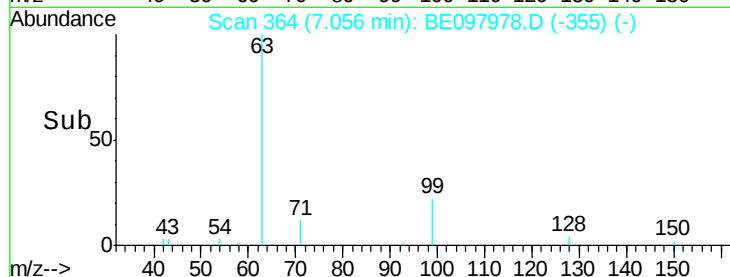
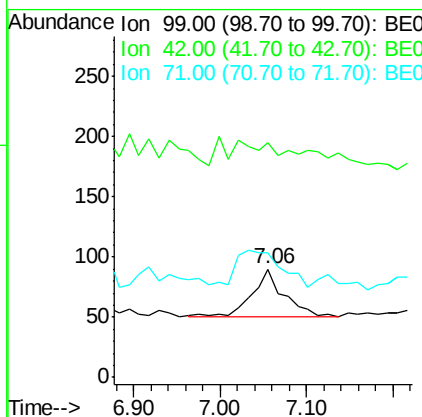
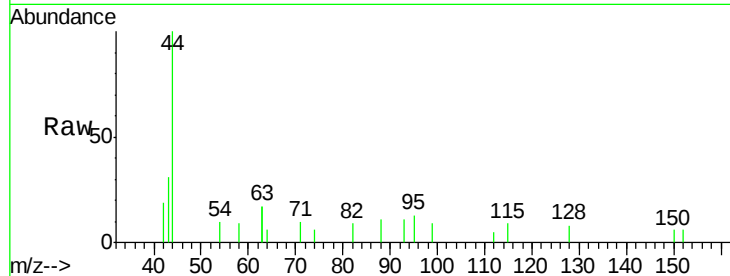
ClientSampleId :

AOC8-02ADL

Tgt 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

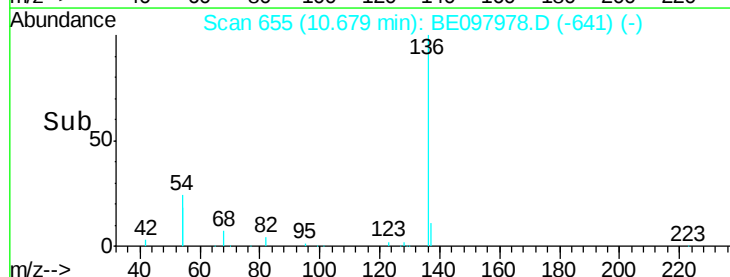
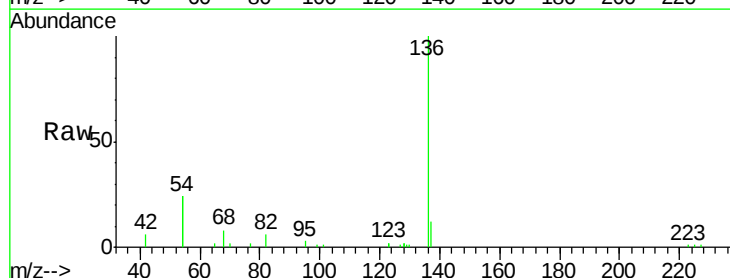
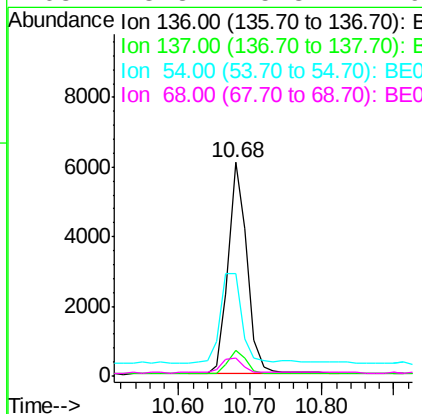
RT: 10.68 min Scan# 655

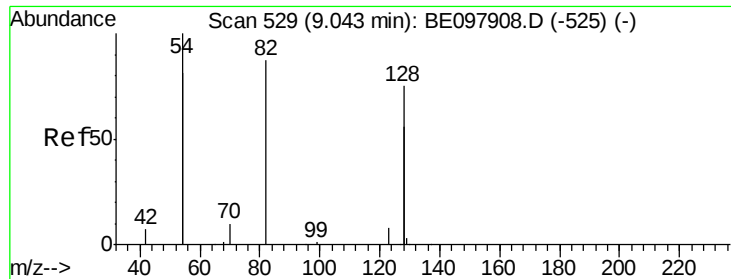
Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	47.8	27.7	41.5#
68	8.3	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.006 ng

RT: 9.04 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

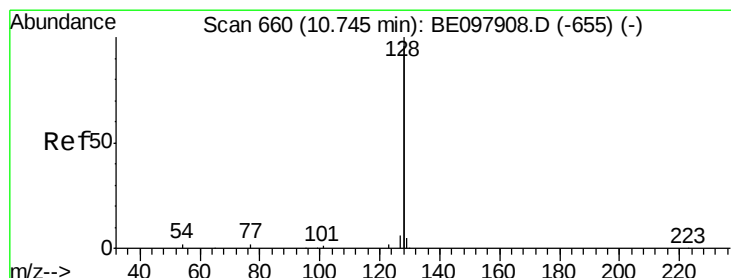
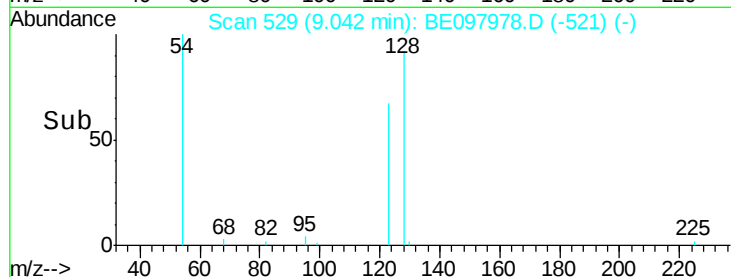
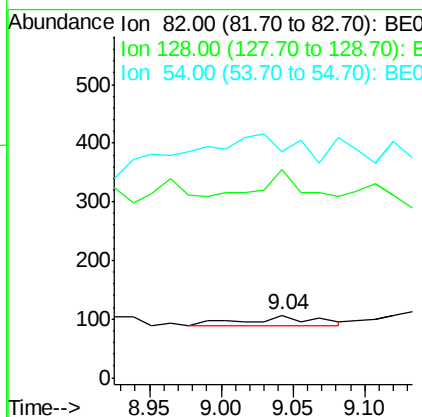
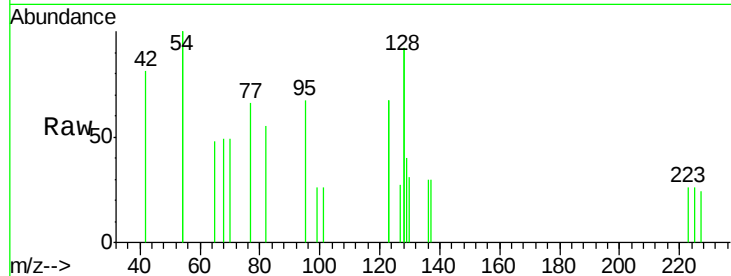
ClientSampleId :

AOC8-02ADL

Tgt Ion:	82	Resp:	63
Ion Ratio	Lower	Upper	
82	100		
128	334.0	129.9	194.9#
54	364.2	174.0	261.0#

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#9

Naphthalene

Concen: 0.051 ng

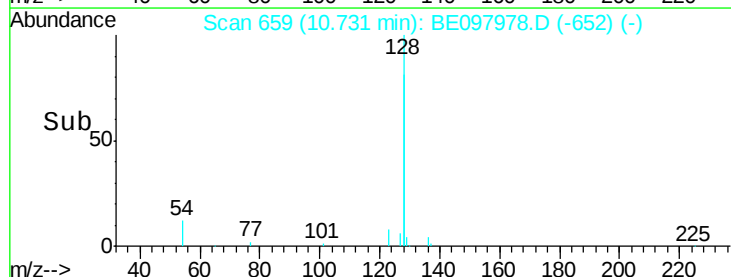
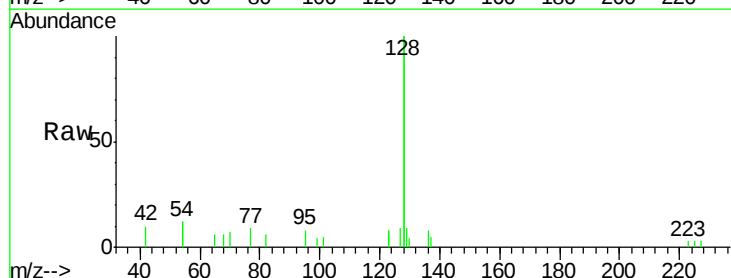
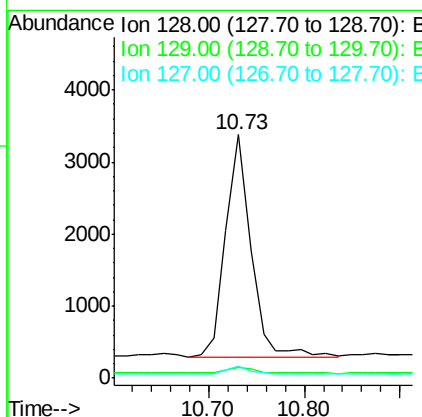
RT: 10.73 min Scan# 659

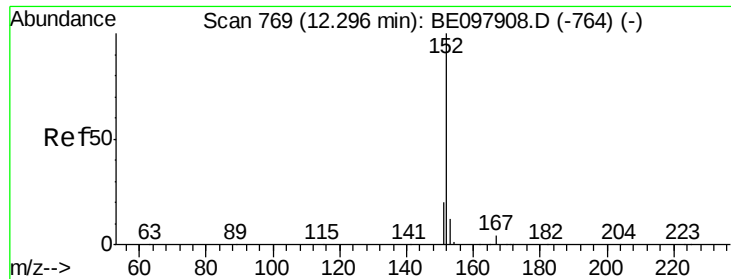
Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion:	128	Resp:	5663
Ion Ratio	Lower	Upper	
128	100		
129	4.5	2.5	3.7#
127	4.7	2.8	4.2#





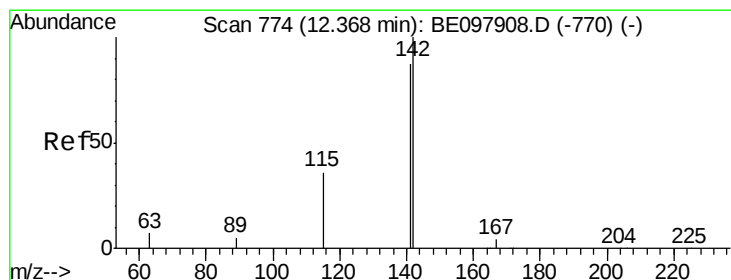
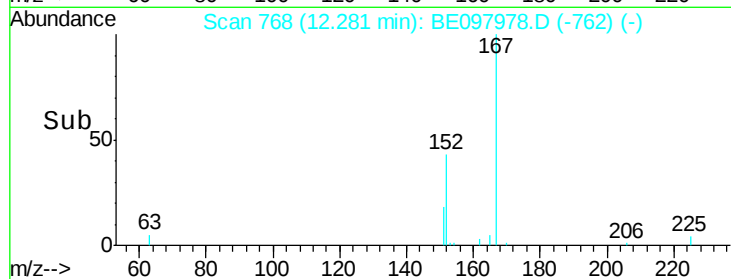
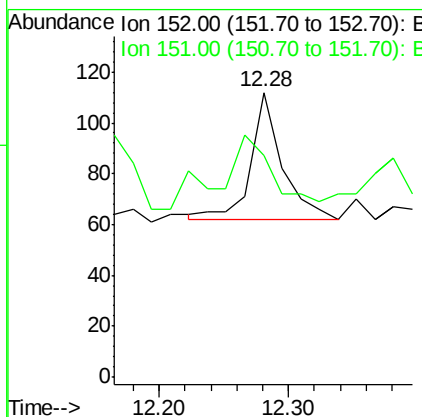
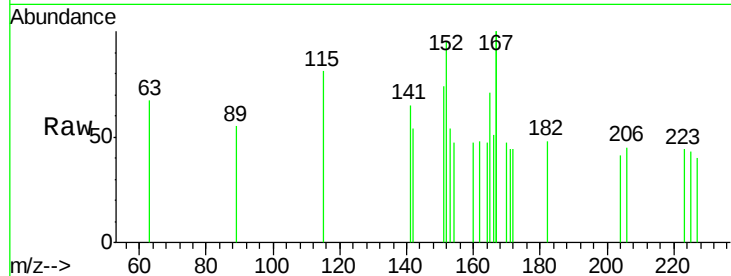
#11
2-Methylnaphthalene-d10
Concen: 0.005 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Instrument :
BNA_E
ClientSampleId :
AOC8-02ADL

Tgt Ion:152 Resp: 84
Ion Ratio Lower Upper
152 100
151 98.8 16.2 24.4#

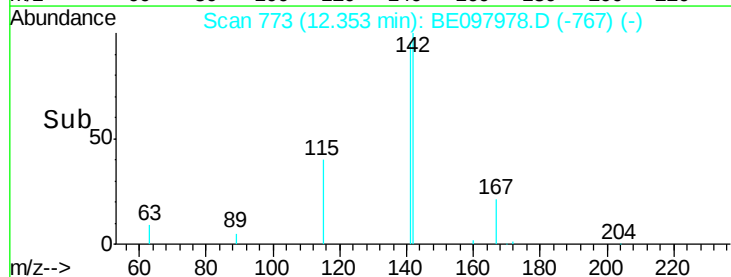
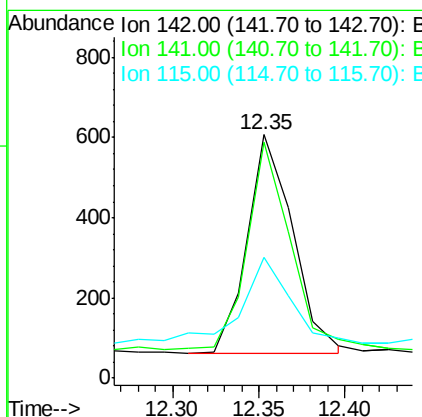
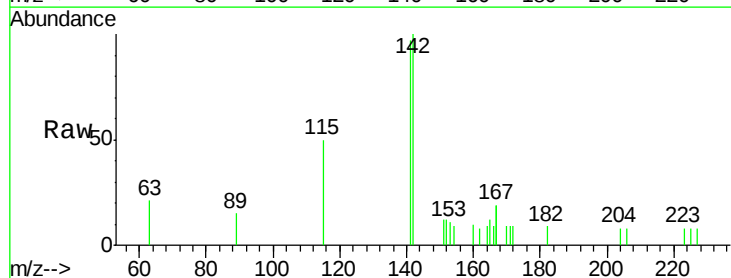
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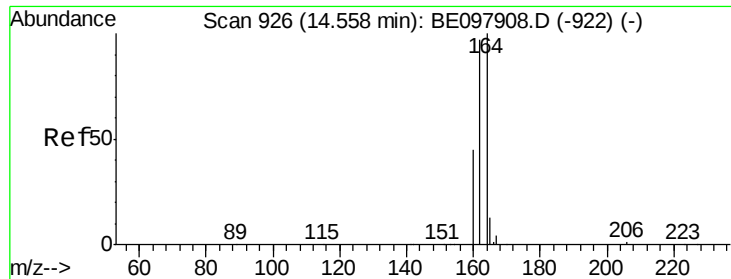
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#12
2-Methylnaphthalene
Concen: 0.053 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.02 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Tgt Ion:142 Resp: 1005
Ion Ratio Lower Upper
142 100
141 97.2 69.8 104.6
115 49.8 30.5 45.7#





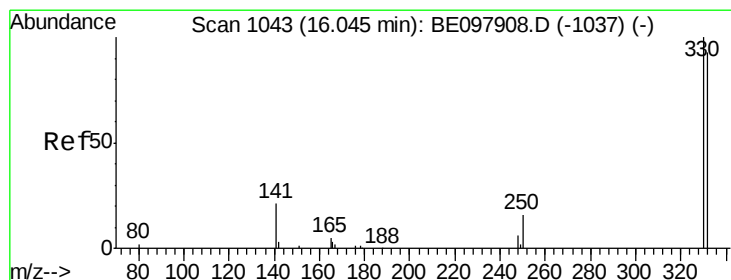
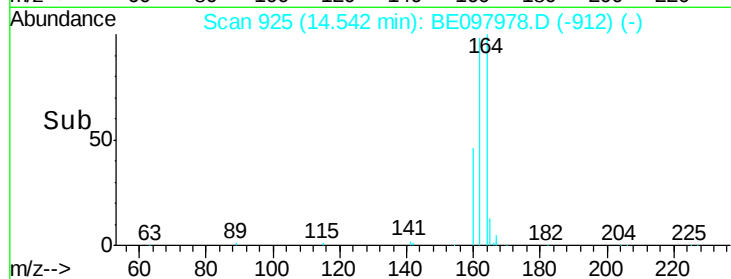
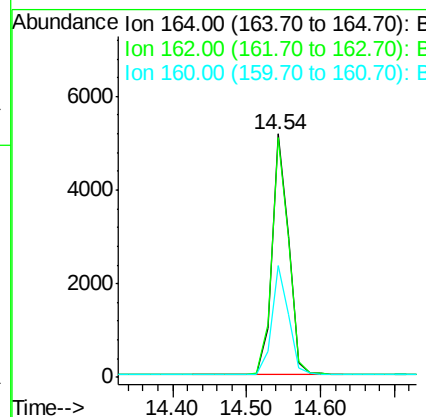
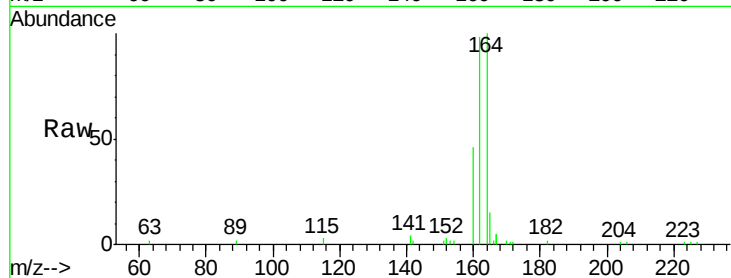
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.02 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	77.4	116.2
160	46.2	36.5	54.7

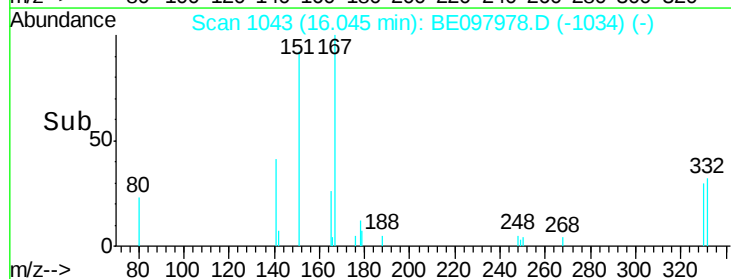
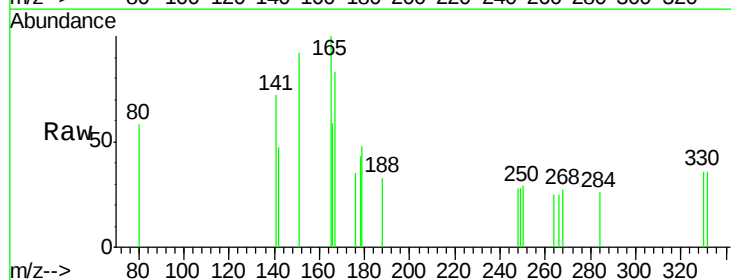
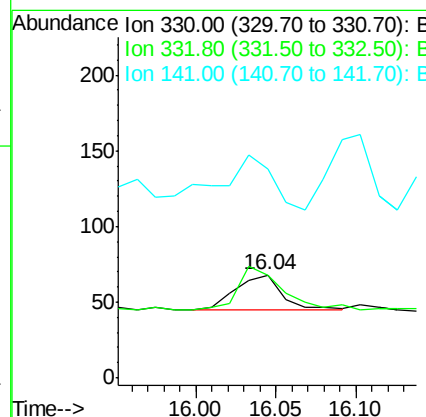
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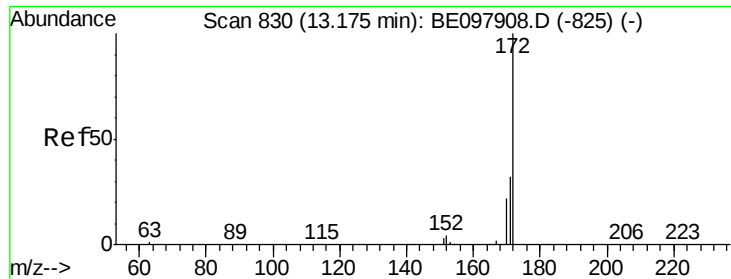
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#14
2,4,6-Tribromophenol
Concen: 0.011 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	125.5	76.5	114.7#
141	174.5	31.8	47.6#





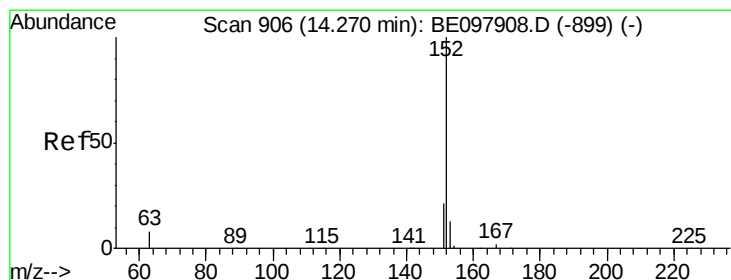
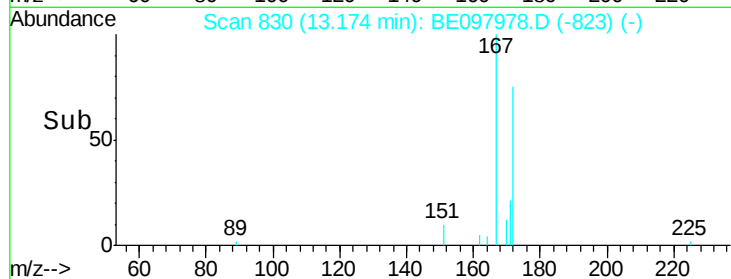
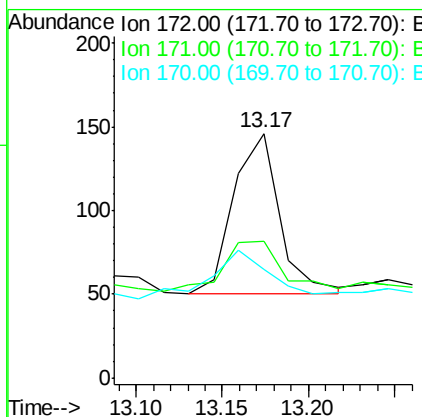
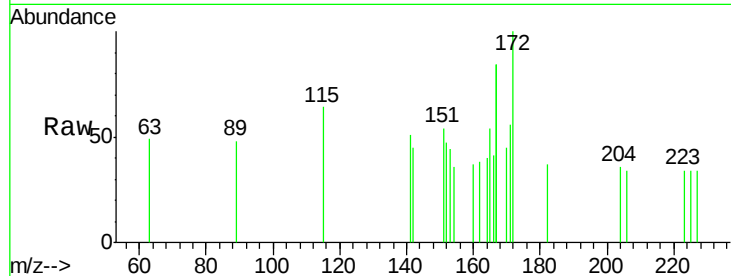
#15
2-Fluorobiphenyl
Concen: 0.005 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Instrument :
BNA_E
ClientSampleId :
AOC8-02ADL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	56.2	26.0	39.0#
170	44.5	18.0	27.0#

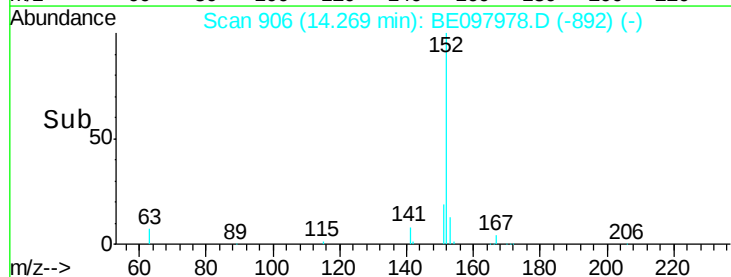
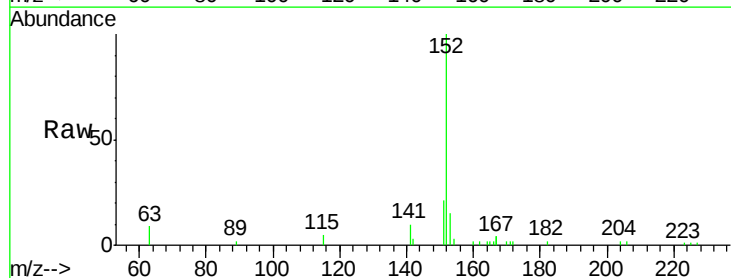
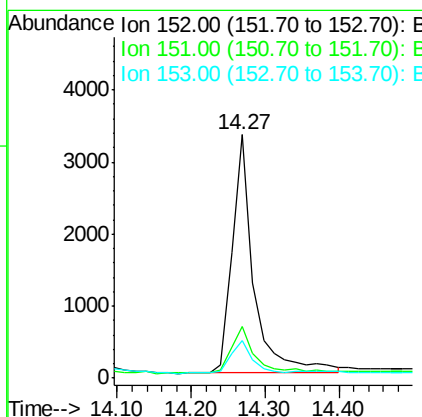
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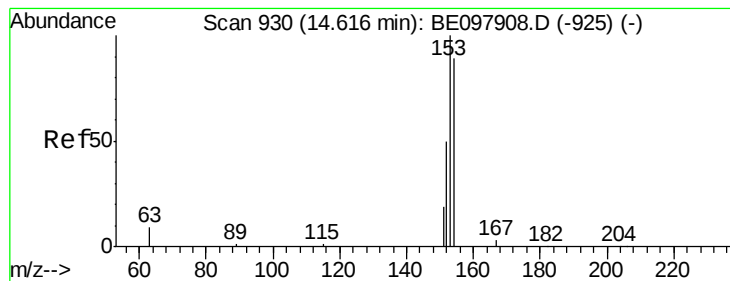
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#16
Acenaphthylene
Concen: 0.180 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.1	24.1
153	14.4	10.9	16.3





#17

Acenaphthene

Concen: 0.115 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

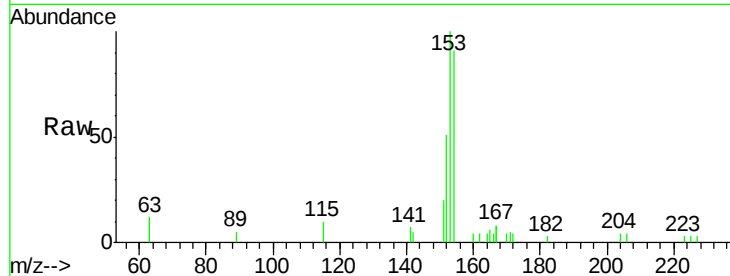
ClientSampleId :

AOC8-02ADL

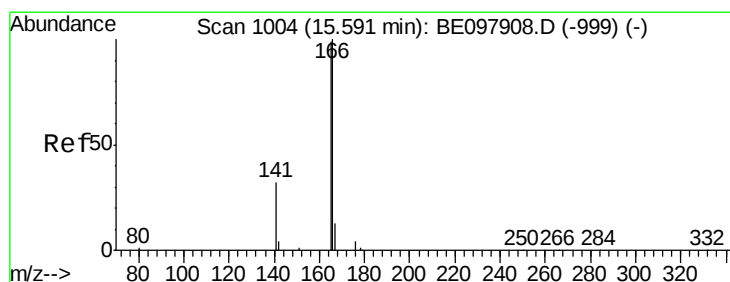
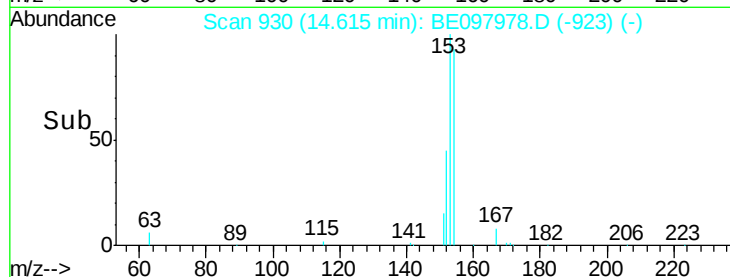
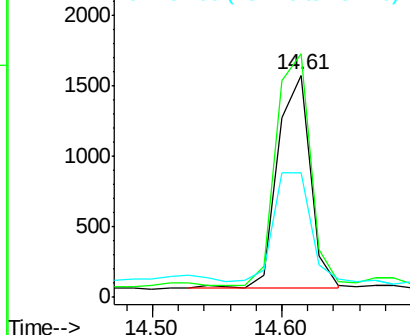
Tgt Ion:	154	Resp:	2657
Ion Ratio	Lower	Upper	
154	100		
153	115.0	92.6	139.0
152	56.8	45.5	68.3

Manual Integrations
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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: 0.277 ng

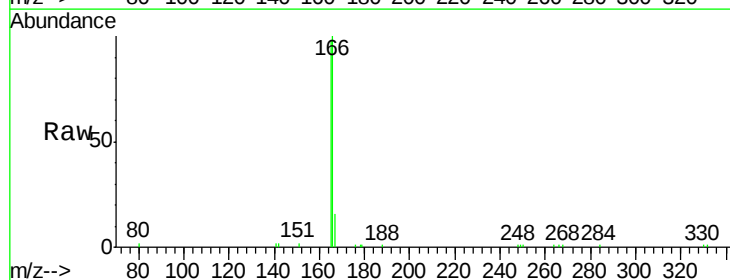
RT: 15.59 min Scan# 1004

Delta R.T. -0.00 min

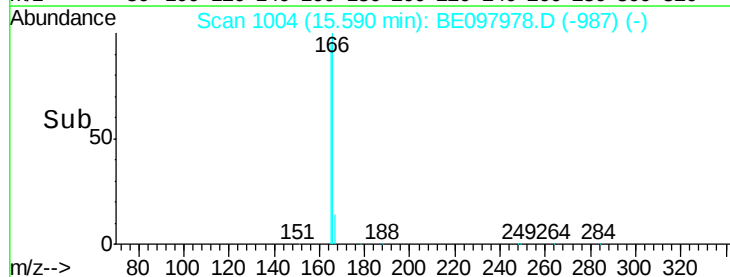
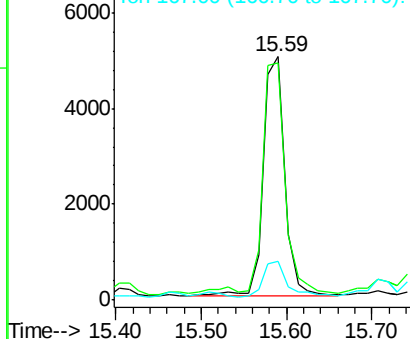
Lab File: BE097978.D

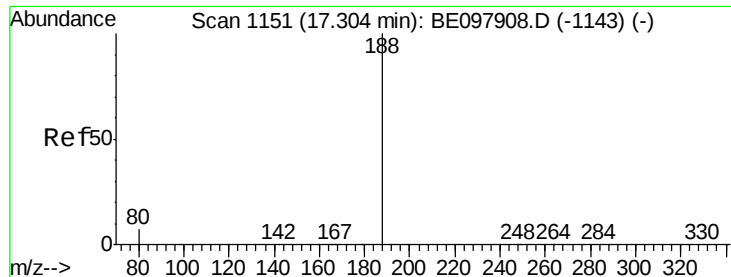
Acq: 18 Oct 2018 15:34

Tgt Ion:	166	Resp:	8784
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.2	117.4
167	16.3	11.0	16.6



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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

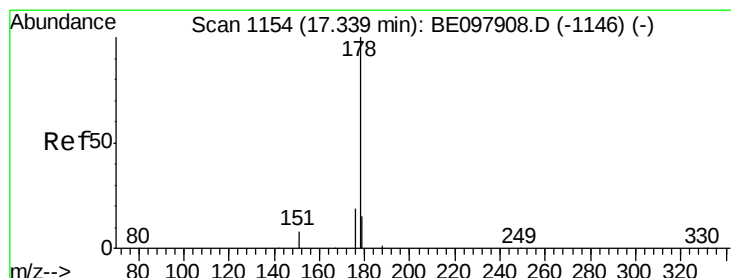
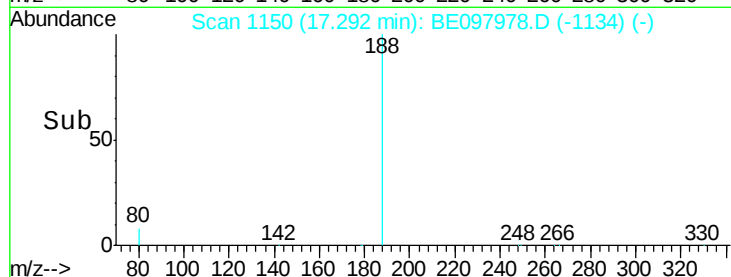
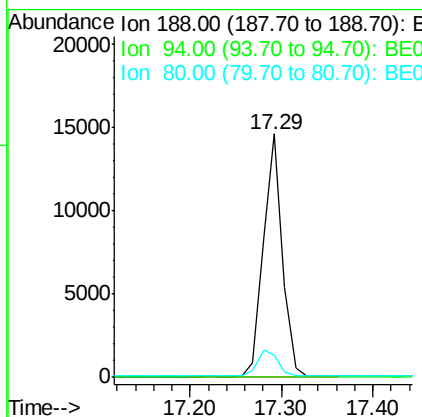
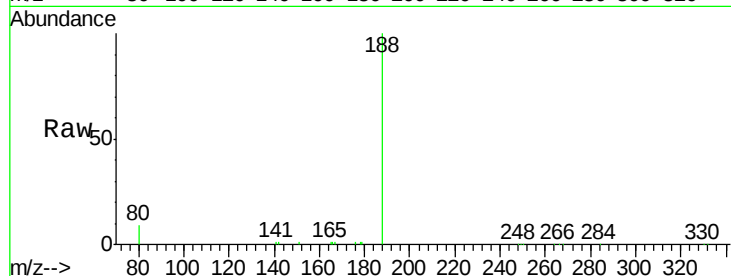
ClientSampleId :

AOC8-02ADL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	20976		
94	0.0	0.0	0.0	0.0
80	8.9	6.3	9.5	

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#23

Phenanthrene

Concen: 1.837 ng

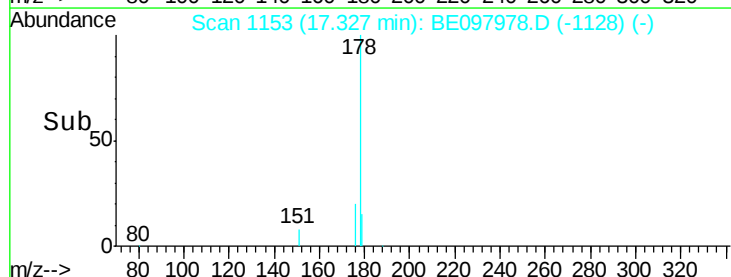
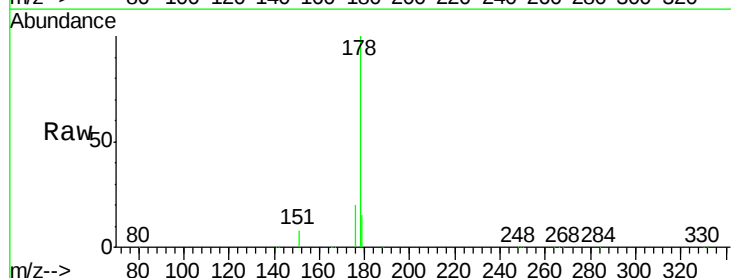
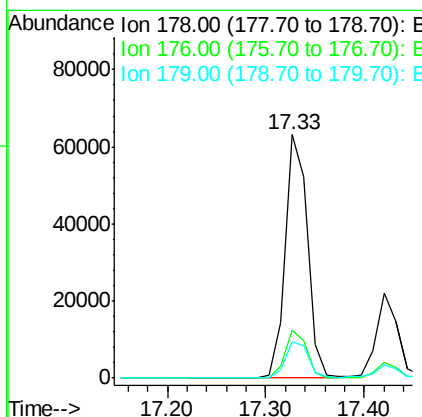
RT: 17.33 min Scan# 1153

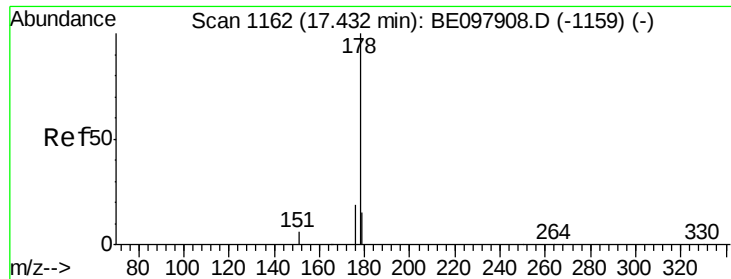
Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	97906		
176	19.4	15.5	23.3	
179	15.5	12.2	18.4	





#24

Anthracene

Concen: 0.637 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

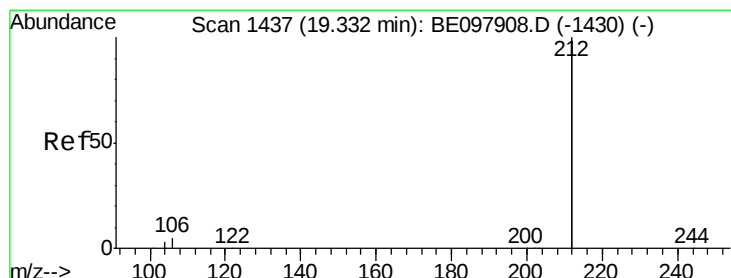
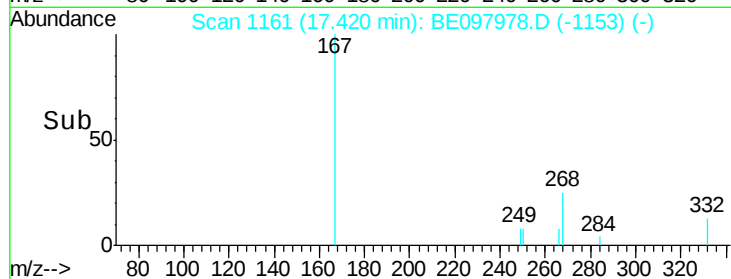
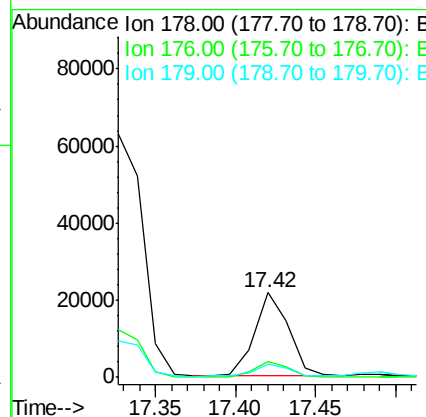
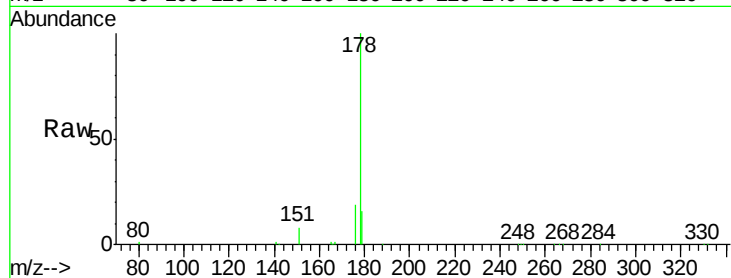
ClientSampleId :

AOC8-02ADL

Tgt Ion:	178	Resp:	32054
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.9	22.3
179	15.9	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.003 ng

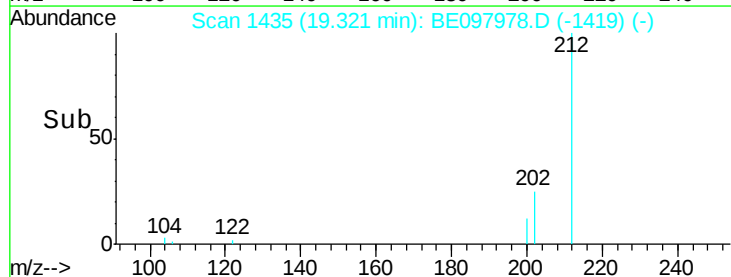
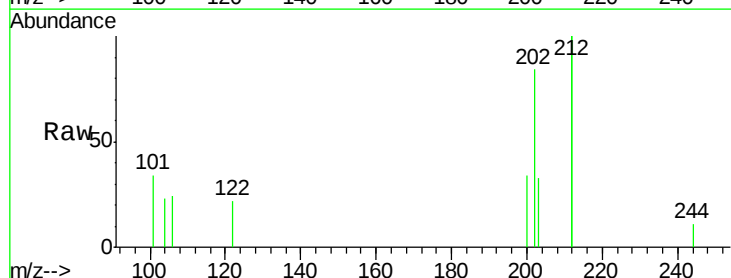
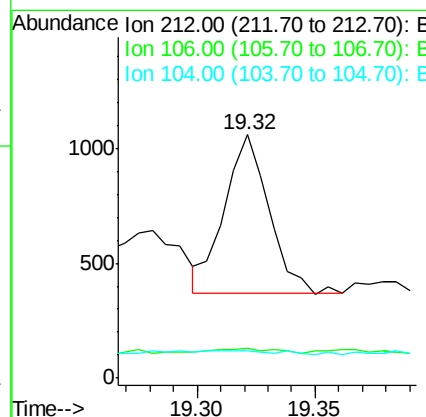
RT: 19.32 min Scan# 1435

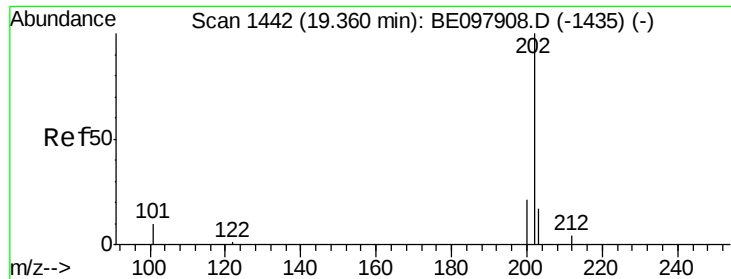
Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion:	212	Resp:	898
Ion Ratio	Lower	Upper	
212	100		
106	4.3	2.3	3.5#
104	2.1	1.3	1.9#





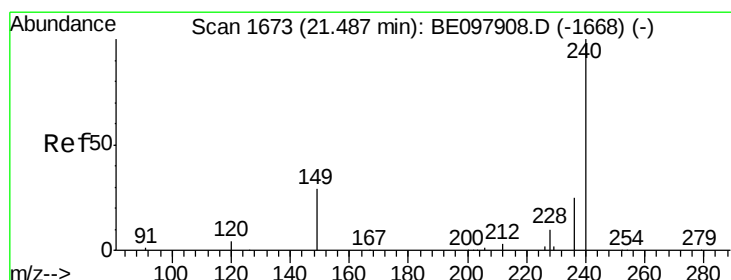
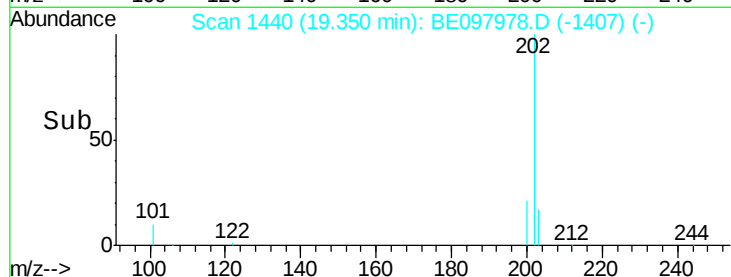
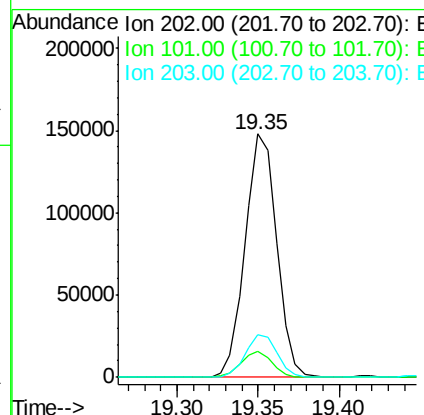
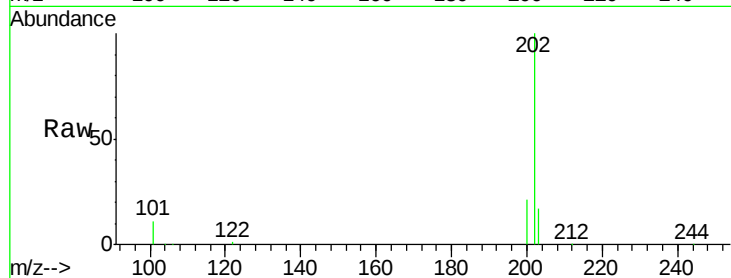
#26
 Fluoranthene
 Concen: 2.859 ng
 RT: 19.35 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-02ADL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	199950		
101	10.3	8.2	12.2	
203	17.4	15.0	22.4	

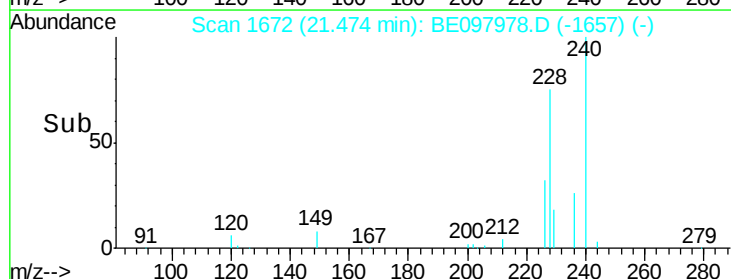
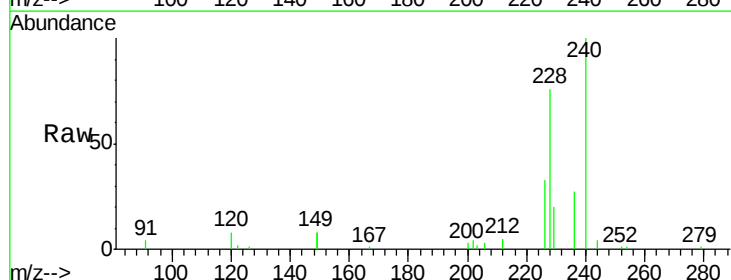
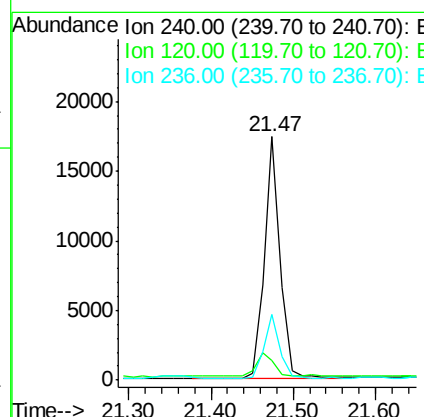
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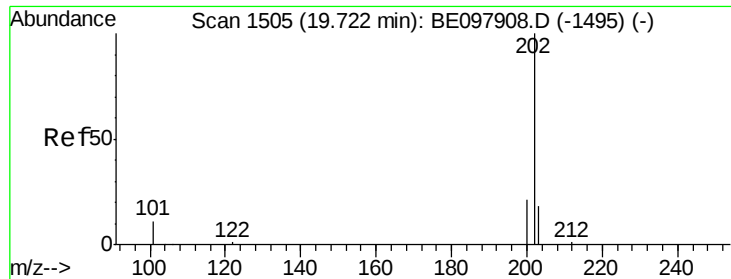
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.47 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	23429		
120	8.0	7.1	10.7	
236	27.2	21.3	31.9	





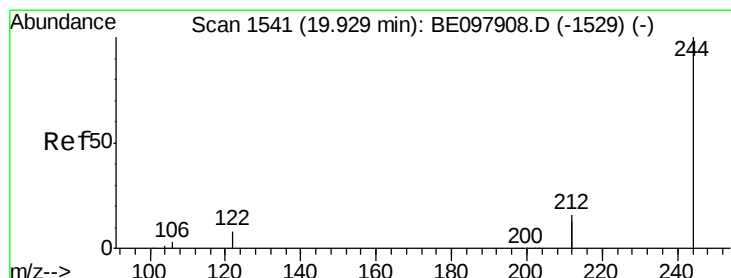
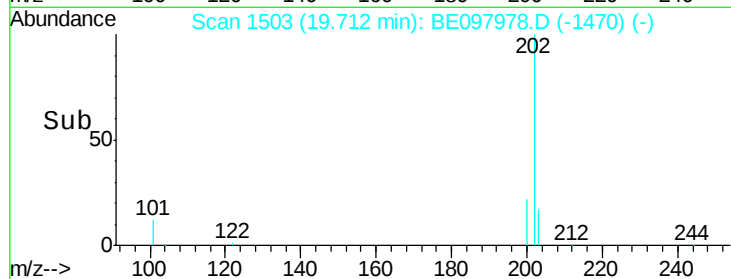
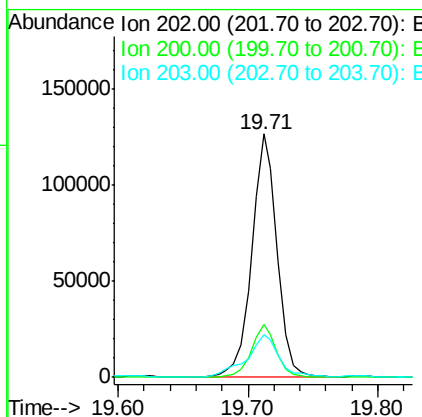
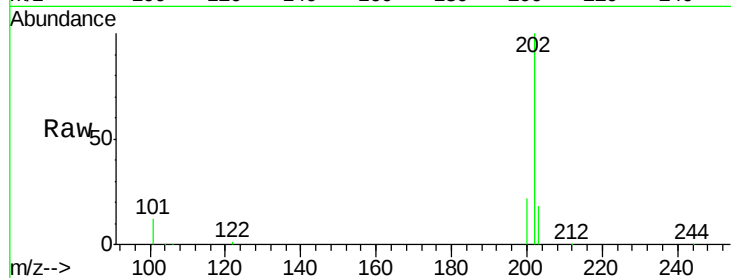
#28
 Pyrene
 Concen: 2.524 ng
 RT: 19.71 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-02ADL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.0	25.4
203	22.3	14.2	21.4

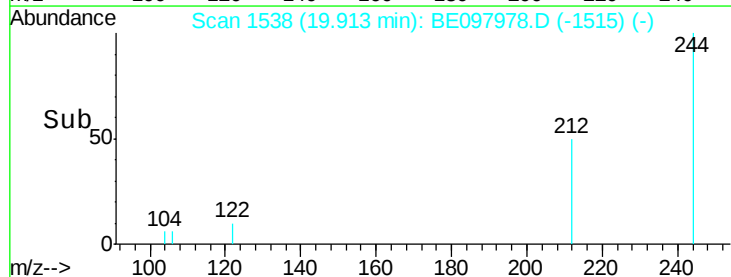
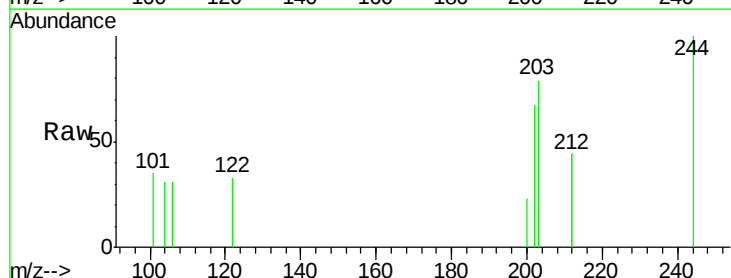
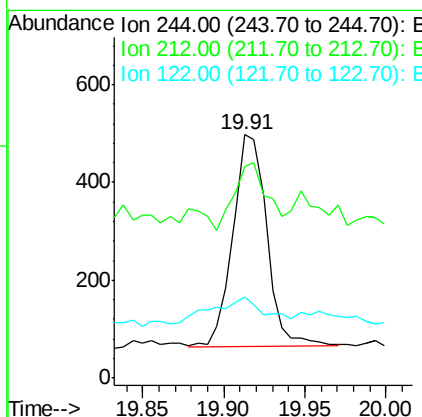
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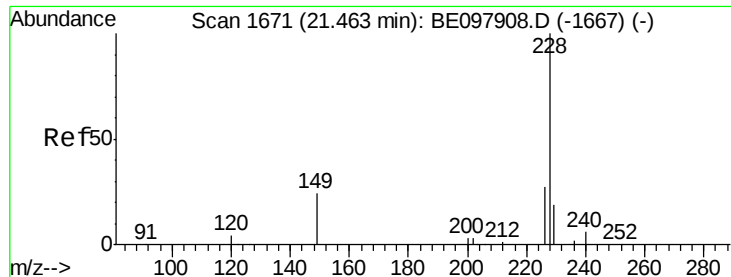
Sohil
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#29
 Terphenyl-d14
 Concen: 0.012 ng
 RT: 19.91 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	87.1	26.2	39.2
122	33.3	7.7	11.5





#30

Benzo(a)anthracene

Concen: 1.619 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

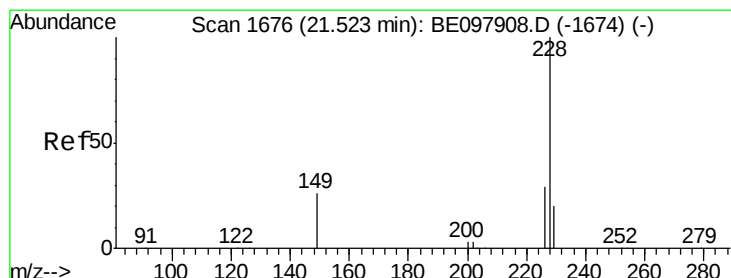
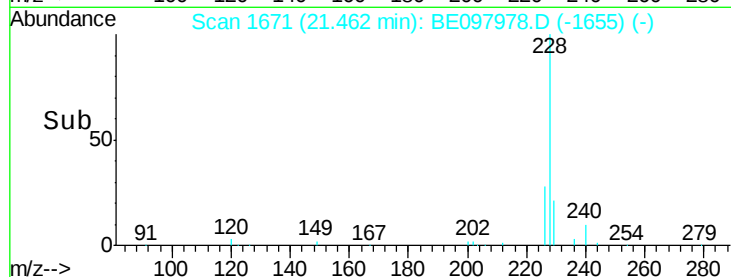
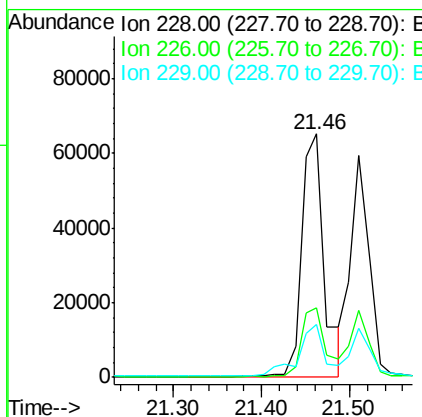
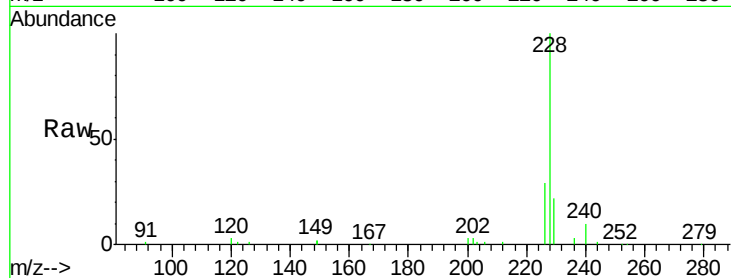
ClientSampleId :

AOC8-02ADL

Tgt Ion:	228	Resp:	116330
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	21.8	16.9	25.3

Manual Integrations
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#31

Chrysene

Concen: 1.256 ng

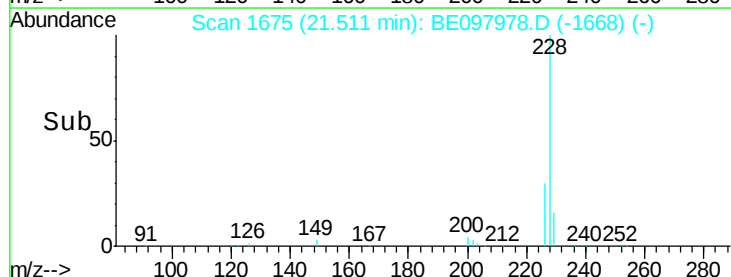
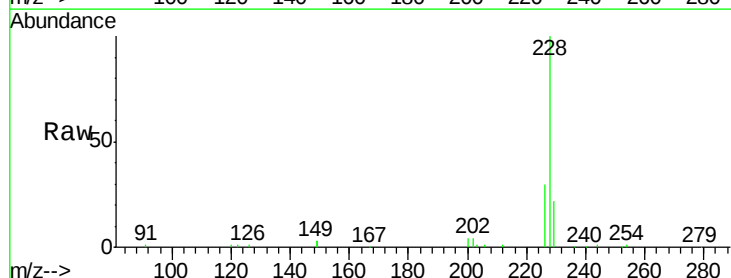
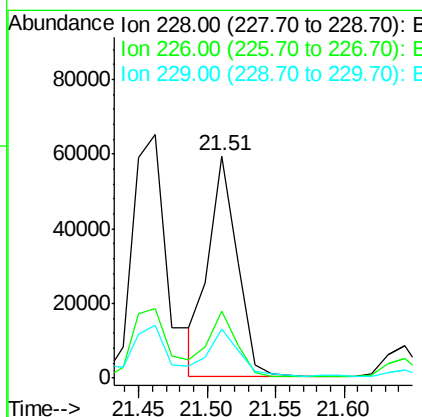
RT: 21.51 min Scan# 1675

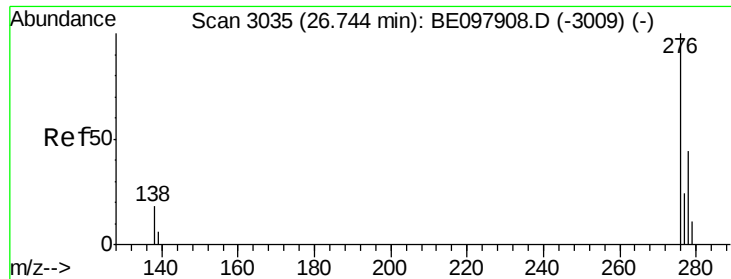
Delta R.T. -0.01 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion:	228	Resp:	85486
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.3	36.5
229	22.0	17.3	25.9





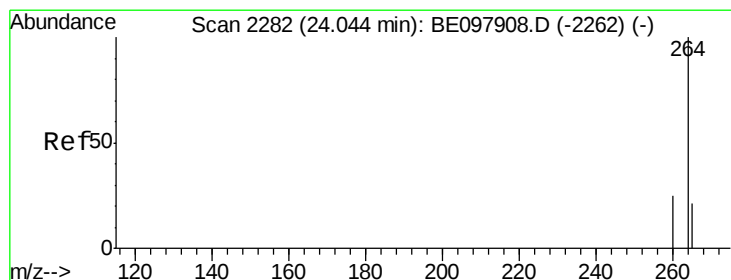
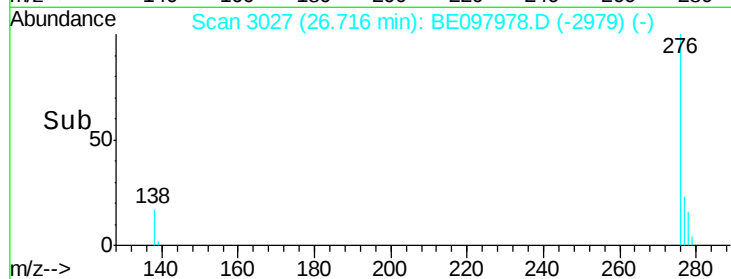
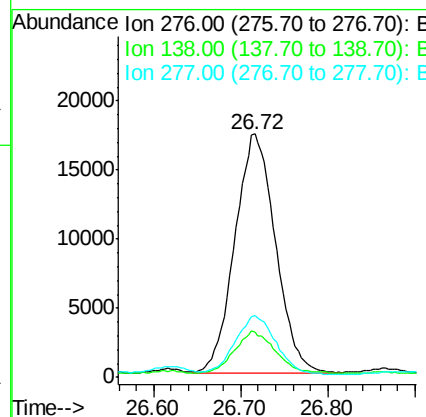
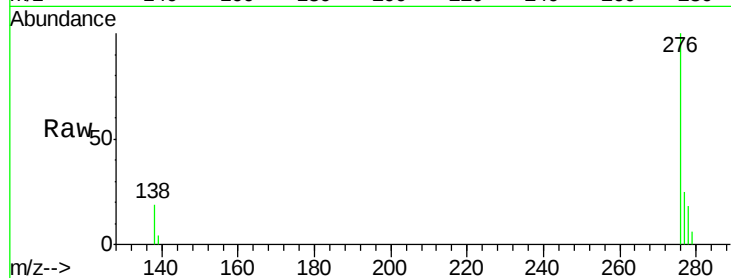
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.891 ng
 RT: 26.72 min Scan# 3027
 Delta R.T. -0.03 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-02ADL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	17.0	25.6
277	24.6	20.5	30.7

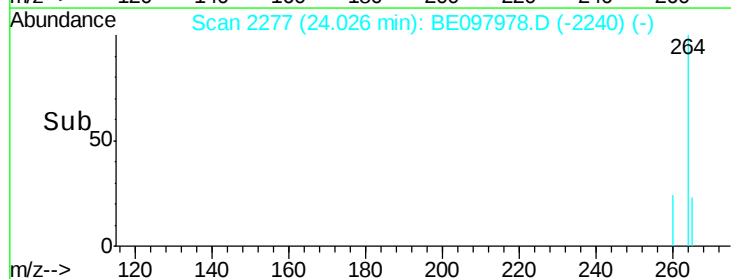
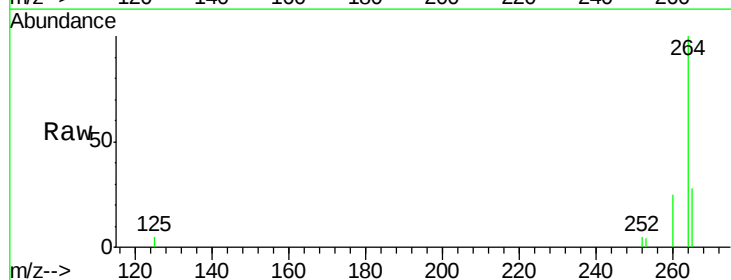
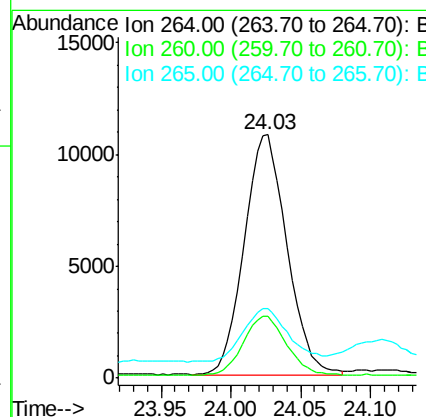
Manual Integrations
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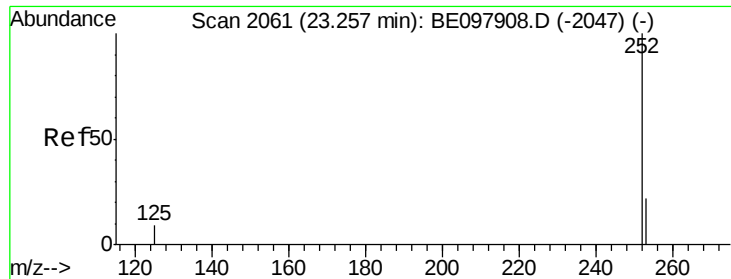
Sohil
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE097978.D
 Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	21.1	31.7
265	28.5	29.2	43.8#





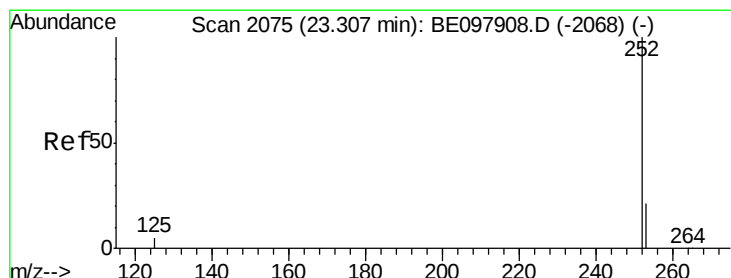
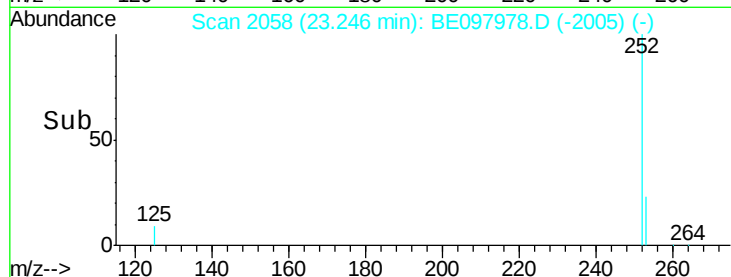
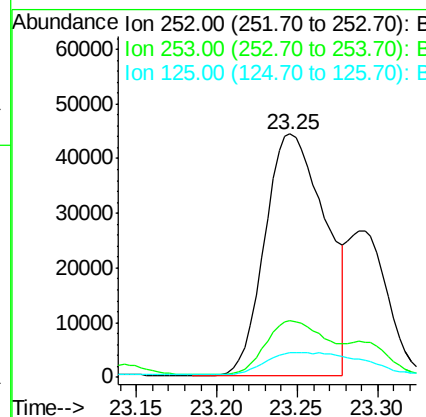
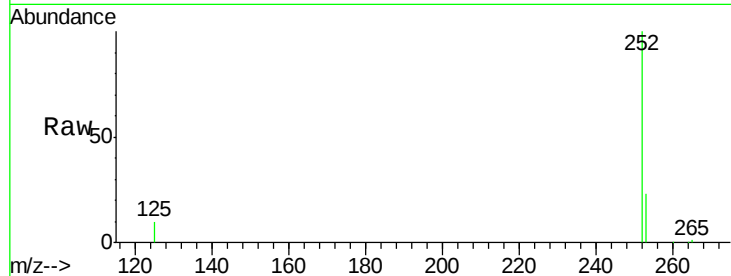
#35
Benzo(b)fluoranthene
Concen: 1.767 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Instrument :
BNA_E
ClientSampleId :
AOC8-02ADL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.6	31.0
125	9.9	14.3	21.5#

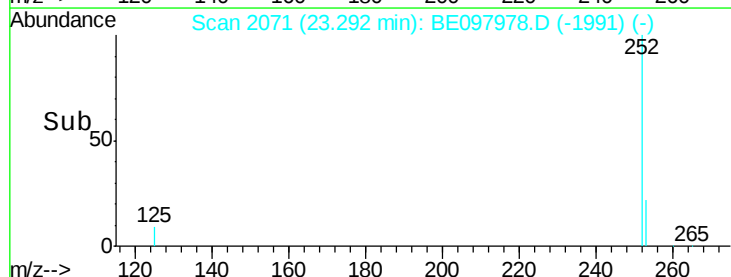
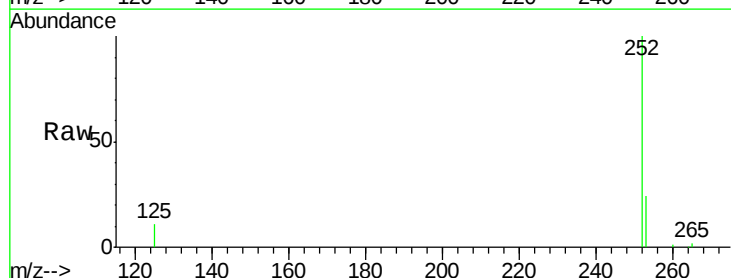
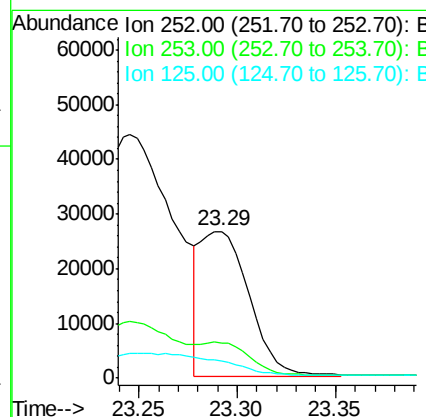
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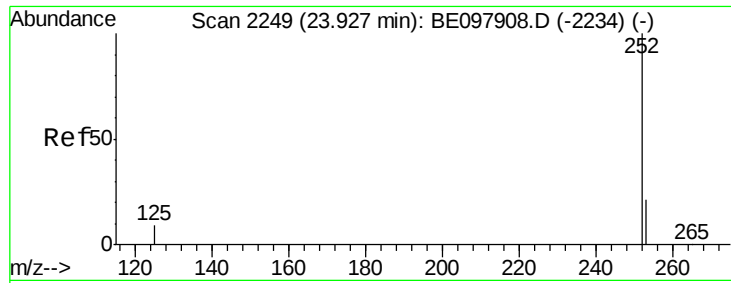
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.674 ng m
RT: 23.29 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BE097978.D
Acq: 18 Oct 2018 15:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.4	30.6
125	11.2	14.6	21.8#





#37

Benzo(a)pyrene

Concen: 1.383 ng m

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

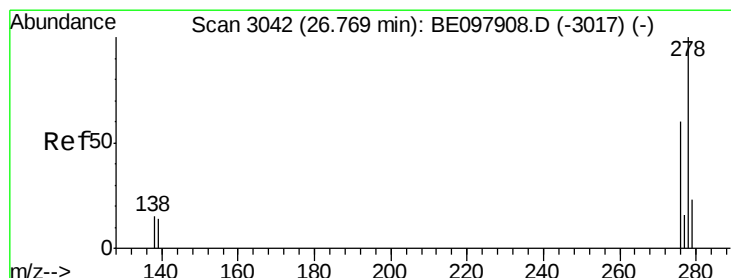
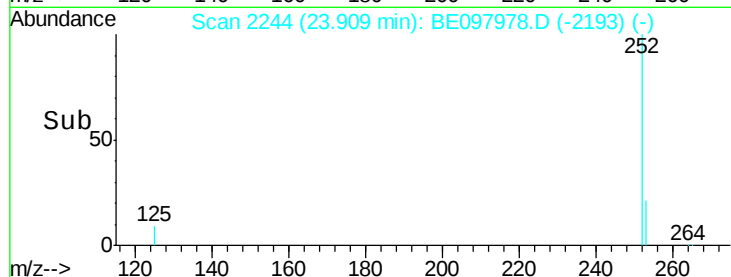
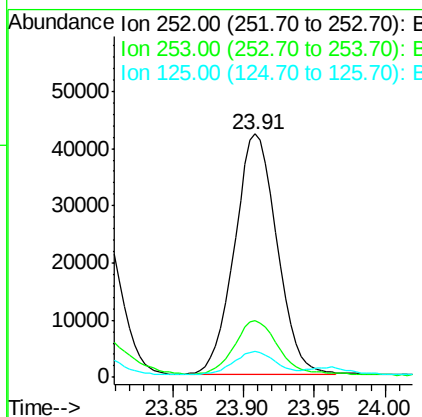
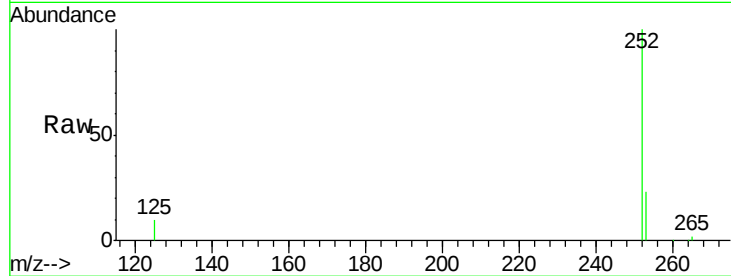
ClientSampleId :

AOC8-02ADL

Tgt Ion:	252	Resp:	88831
Ion Ratio	Lower	Upper	
252	100		
253	23.4	20.6	31.0
125	10.4	15.6	23.4#

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#38

Dibenzo(a,h)anthracene

Concen: 0.222 ng

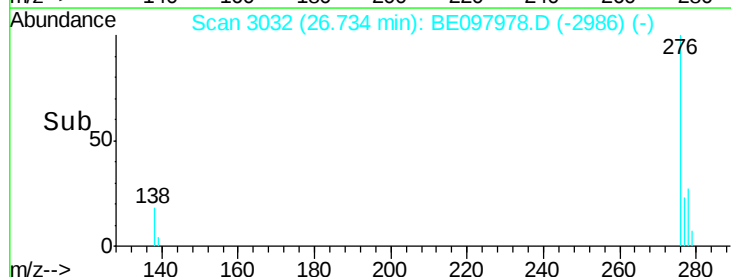
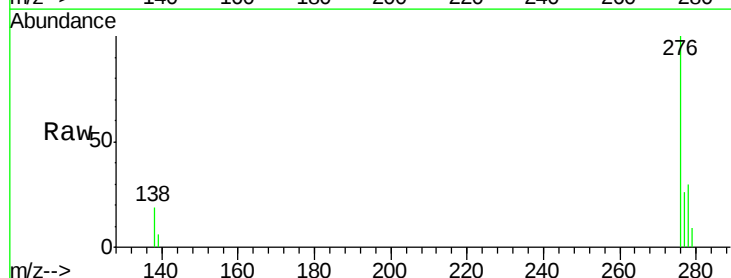
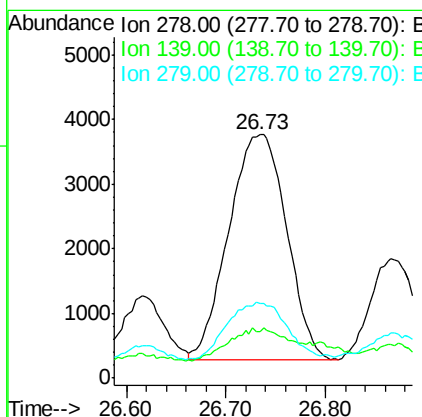
RT: 26.73 min Scan# 3032

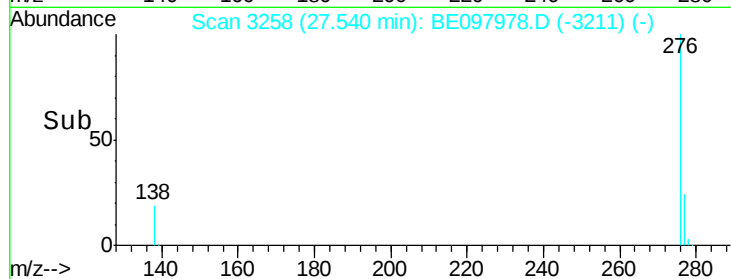
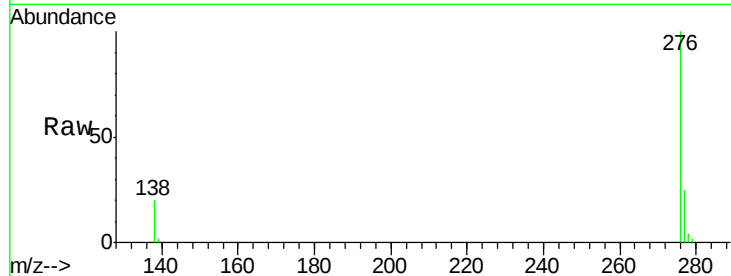
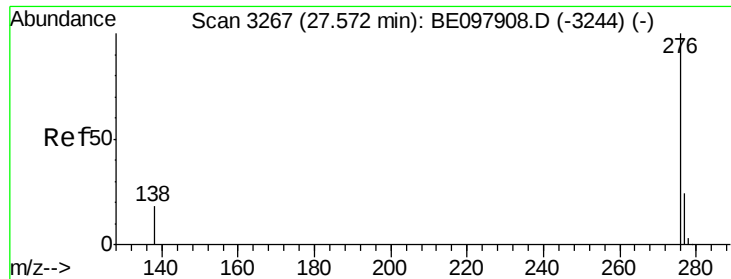
Delta R.T. -0.04 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Tgt Ion:	278	Resp:	13950
Ion Ratio	Lower	Upper	
278	100		
139	19.2	16.3	24.5
279	30.5	21.4	32.2





#39

Benzo(g,h,i)perylene

Concen: 0.832 ng

RT: 27.54 min Scan# 3258

Delta R.T. -0.03 min

Lab File: BE097978.D

Acq: 18 Oct 2018 15:34

Instrument :

BNA_E

ClientSampleId :

AOC8-02ADL

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	25.0	22.1	33.1	
138	19.8	19.3	28.9	

Manual Integrations
APPROVED

Sohil
10/19/2018 3:59:18 PM

