

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098606.D
 Acq On : 2 Jan 2019 13:58
 Operator : SJ/JU
 Sample : J6590-03DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06ADL

Manual Integrations
 APPROVED

Sohil
 1/3/2019 11:22:07 AM

Quant Time: Jan 02 16:05:35 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	7.82	152	1139	0.40	ng	0.01
7) Naphthalene-d8	10.63	136	4817	0.40	ng	0.02
13) Acenaphthene-d10	14.49	164	3176	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	6852	0.40	ng	0.01
27) Chrysene-d12	21.43	240	9187	0.40	ng	0.02
34) Perylene-d12	23.96	264	7732	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	430	0.16	ng	0.03
5) Phenol-d6	7.00	99	806	0.21	ng	0.01
8) Nitrobenzene-d5	8.98	82	839	0.19	ng	0.02
11) 2-Methylnaphthalene-d10	12.22	152	1204	0.15	ng	0.02
14) 2,4,6-Tribromophenol	15.99	330	224	0.19	ng	0.02
15) 2-Fluorobiphenyl	13.10	172	1566	0.12	ng	0.02
25) Fluoranthene-d10	19.27	212	11843	0.13	ng	0.02
29) Terphenyl-d14	19.87	244	2636	0.12	ng	0.02

Target Compounds						Qvalue
9) Naphthalene	10.67	128	5879	0.121	ng	# 93
12) 2-Methylnaphthalene	12.30	142	883	0.112	ng	# 91
16) Acenaphthylene	14.21	152	4665	0.314	ng	96
17) Acenaphthene	14.56	154	884	0.099	ng	93
18) Fluorene	15.53	166	2677	0.224	ng	# 88
23) Phenanthrene	17.28	178	35614m	2.139	ng	
24) Anthracene	17.37	178	7365	0.496	ng	98
26) Fluoranthene	19.30	202	82963	3.766	ng	# 97
28) Pyrene	19.66	202	73183	2.539	ng	# 92
30) Benzo(a)anthracene	21.41	228	49337	1.886	ng	# 84
31) Chrysene	21.46	228	40384	1.474	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.33	149	62937	1.185	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.62	276	22511	0.826	ng	# 91
35) Benzo(b)fluoranthene	23.19	252	54085	2.558	ng	# 1
36) Benzo(k)fluoranthene	23.23	252	22422m	0.910	ng	
37) Benzo(a)pyrene	23.85	252	36524	1.674	ng	# 1
38) Dibenzo(a,h)anthracene	26.64	278	5877	0.286	ng	# 1
39) Benzo(a,h,i)perylene	27.44	276	20675	0.998	ng	# 72

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

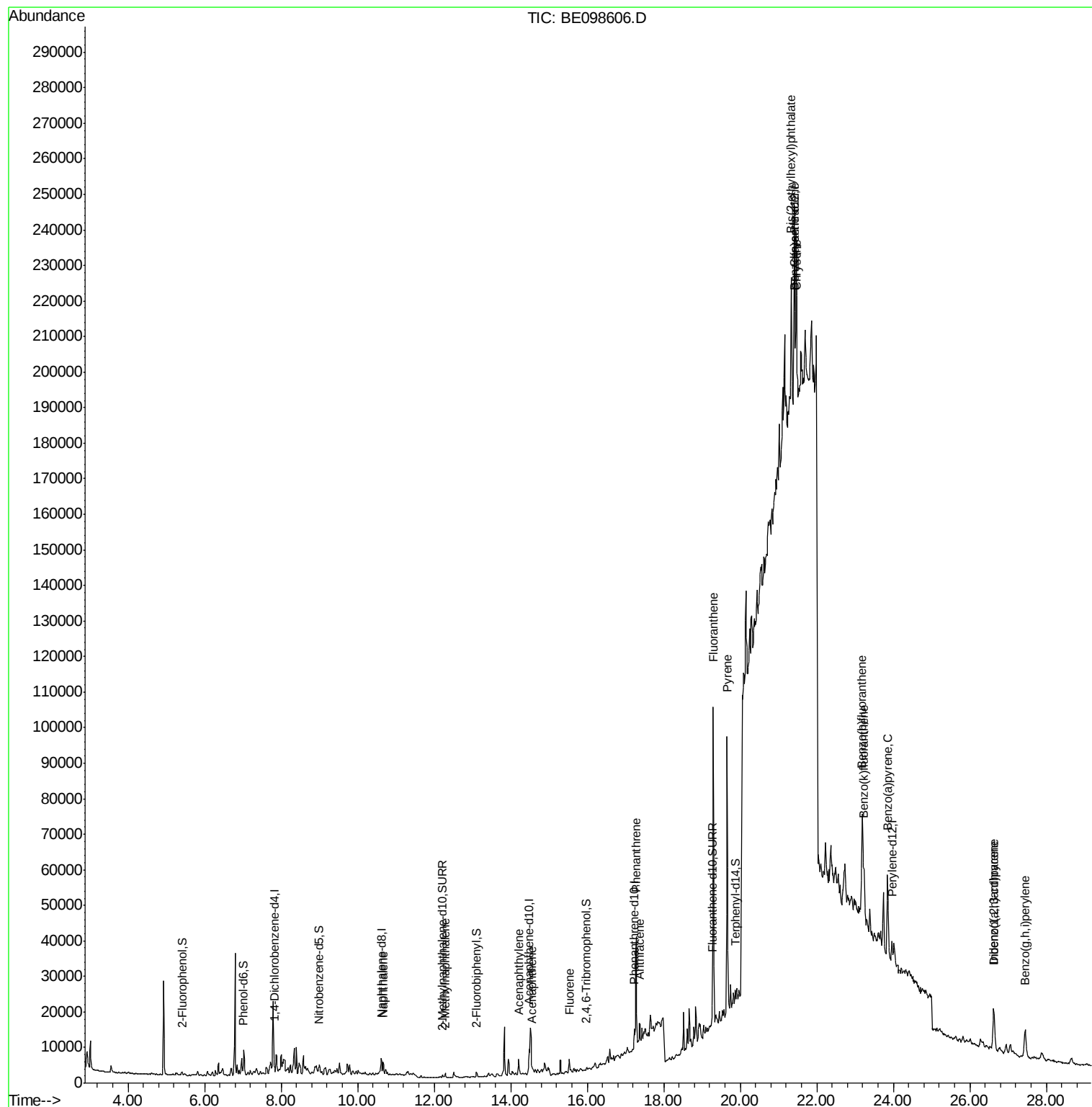
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098606.D
Acq On : 2 Jan 2019 13:58
Operator : SJ/JU
Sample : J6590-03DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleID :
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Manual Integrations
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1/3/2019 11:22:07 AM

Quant Time: Jan 02 16:05:35 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





#1

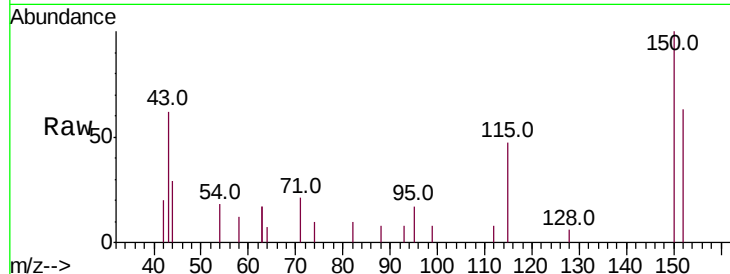
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampled :
AOC8-06ADL

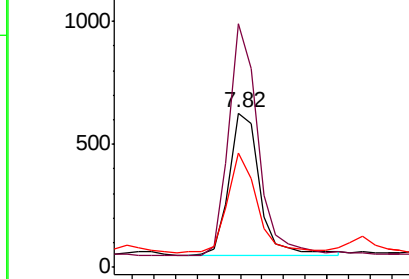
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.2	186.4
115	74.2	53.9	80.9

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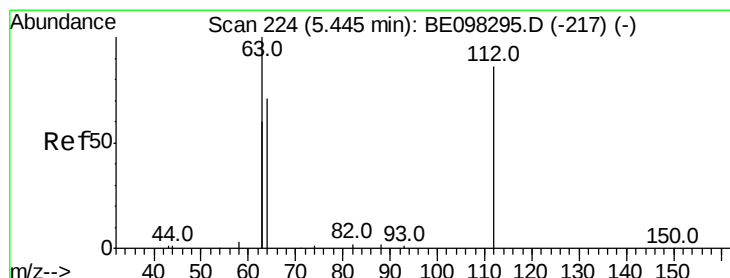
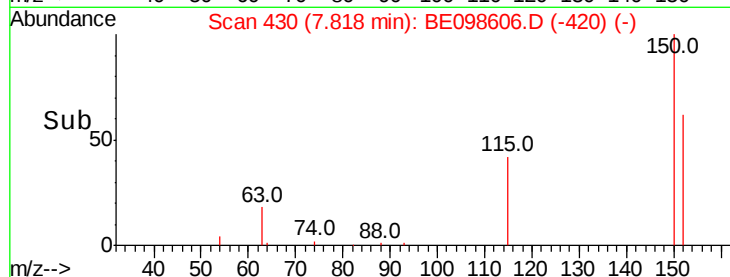
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



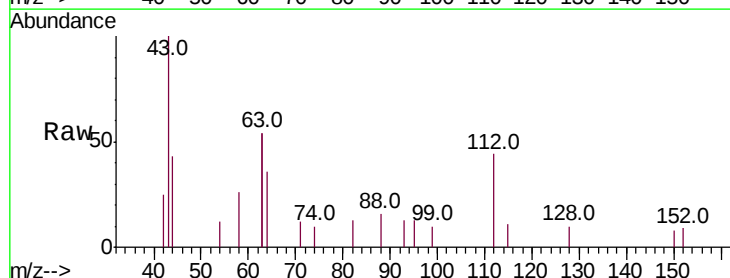
Time-->



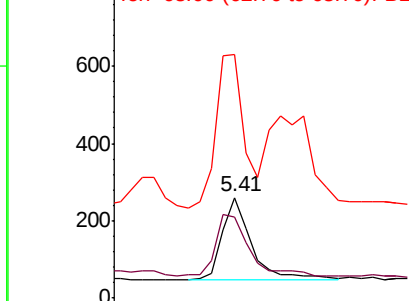
#4

2-Fluorophenol
Concen: 0.161 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.03 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

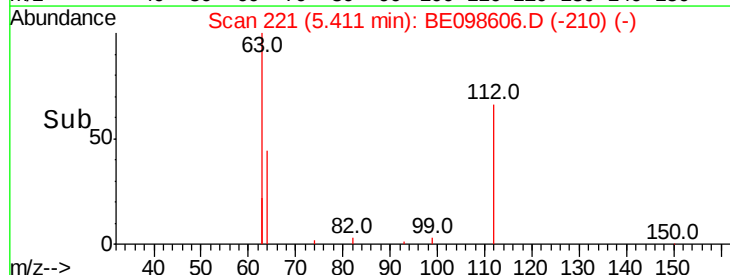
Tgt Ion	Ratio	Lower	Upper
112	100		
64	87.7	59.8	89.8
63	182.6	133.7	200.5

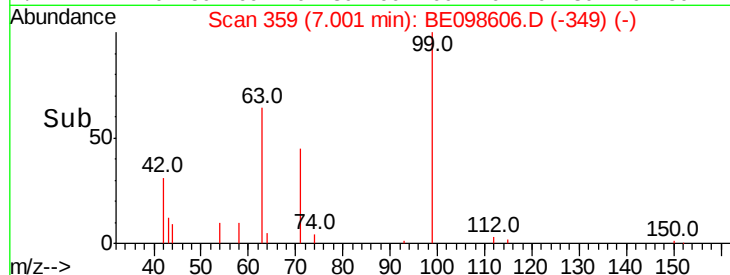
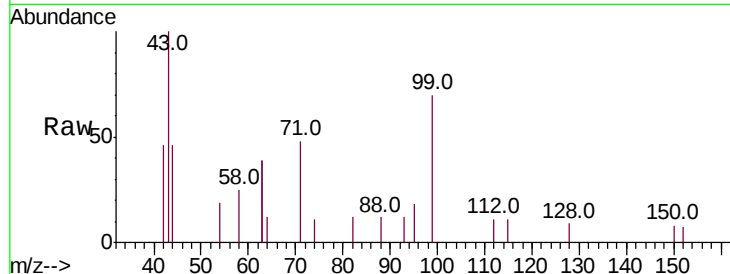
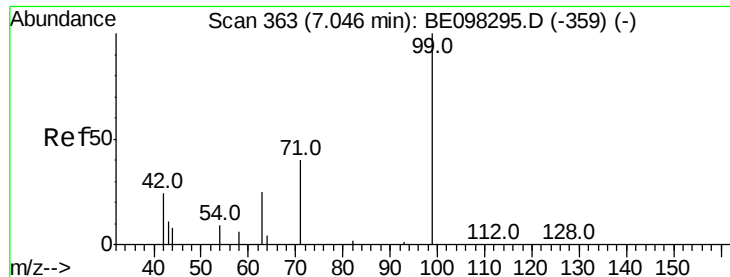


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





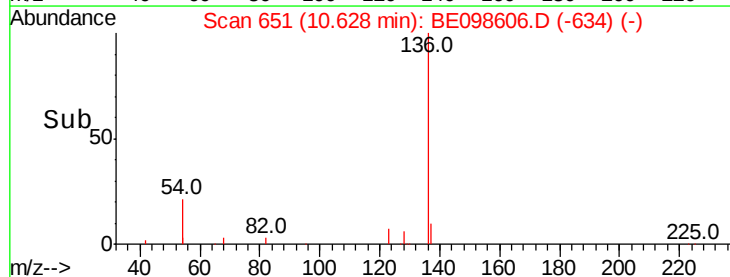
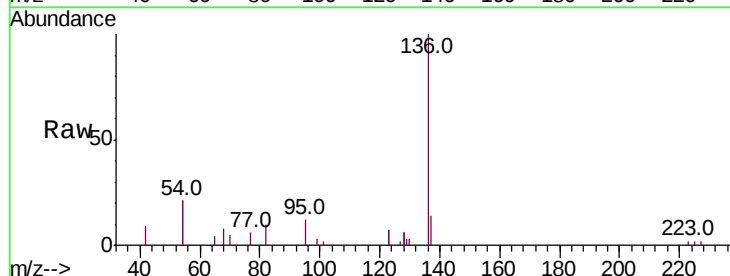
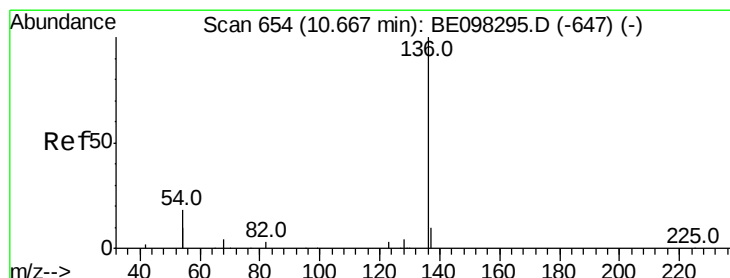
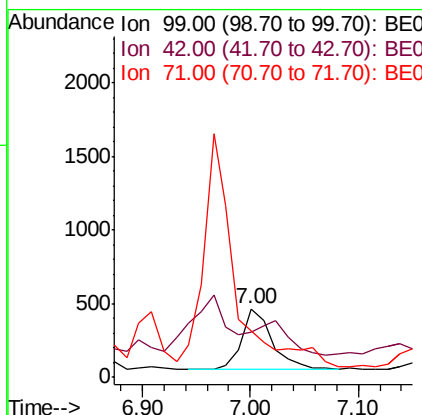
#5
Phenol-d6
Concen: 0.213 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.01 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

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

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

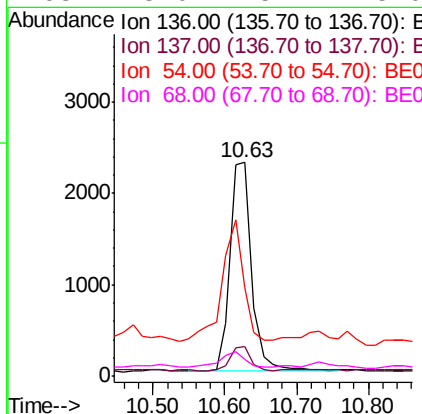
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.2	13.8
54	41.1	28.4	42.6
68	8.0	5.4	8.0





#8

Nitrobenzene-d5

Concen: 0.191 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Instrument :

BNA_E

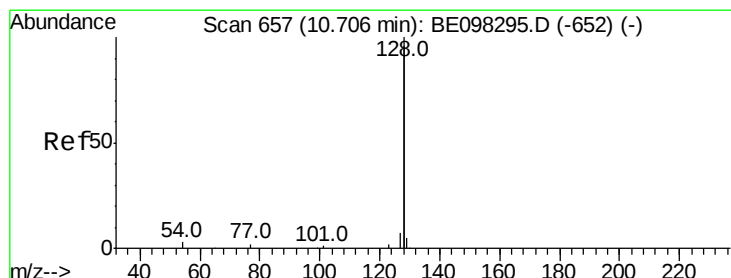
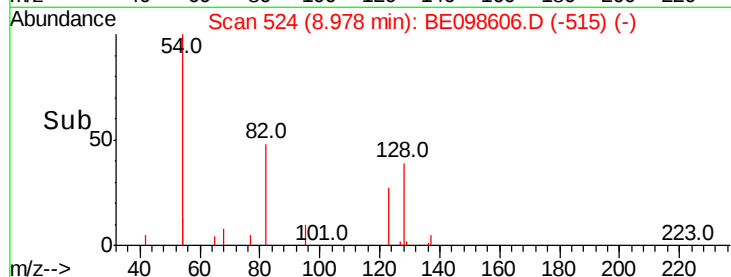
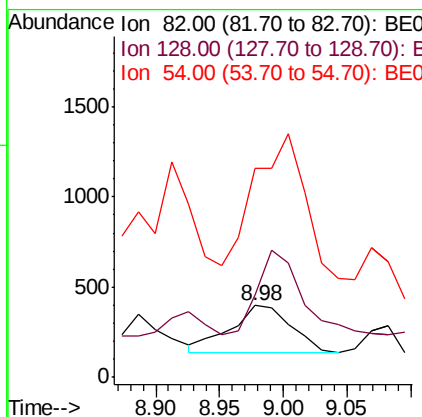
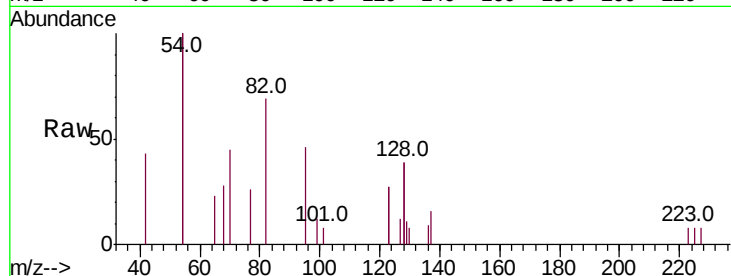
ClientSampleId :

AOC8-06ADL

Tot Ion:	82	Resp:	839
Ion	Ratio	Lower	Upper
82	100		
128	114.3	102.4	153.6
54	289.7	221.8	332.8

Manual Integrations
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#9

Naphthalene

Concen: 0.121 ng

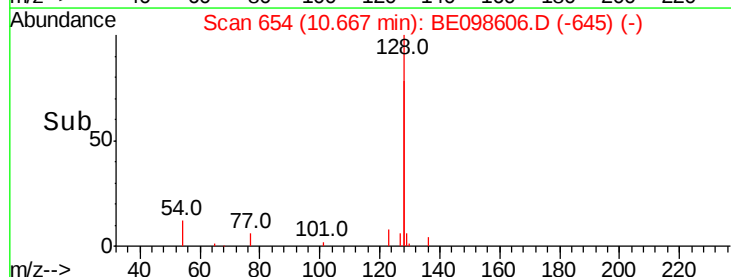
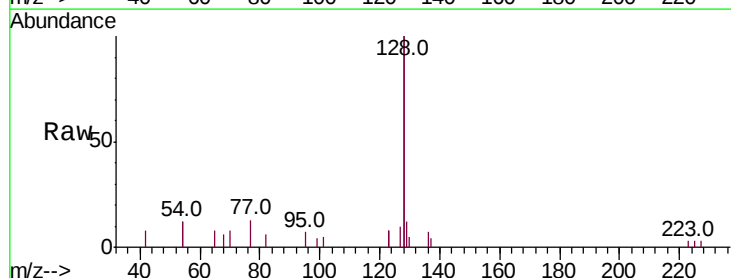
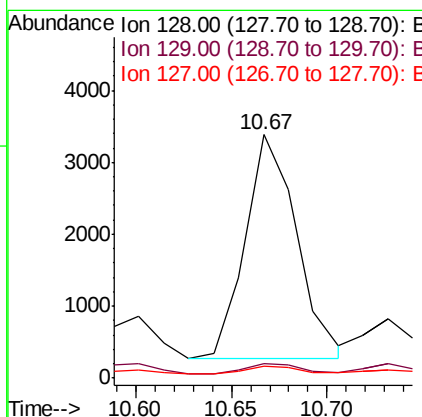
RT: 10.67 min Scan# 654

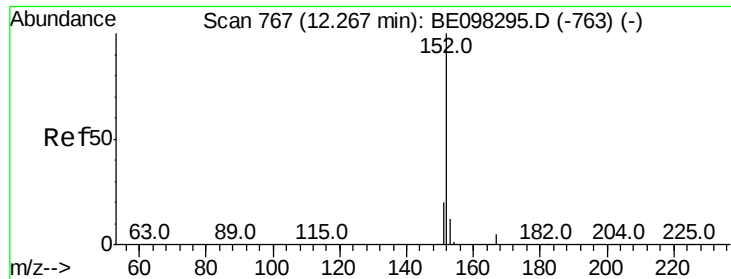
Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Tgt Ion:	128	Resp:	5879
Ion	Ratio	Lower	Upper
128	100		
129	5.8	2.5	3.7#
127	5.1	2.7	4.1#





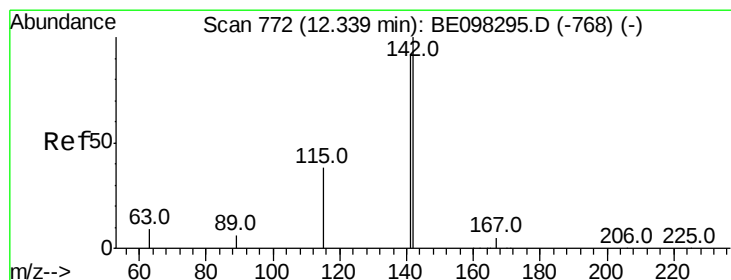
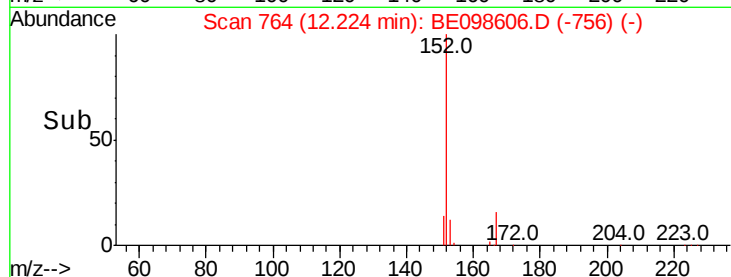
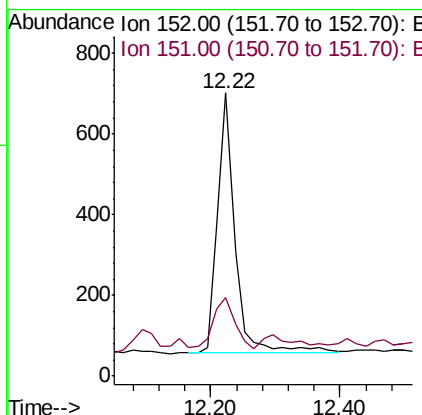
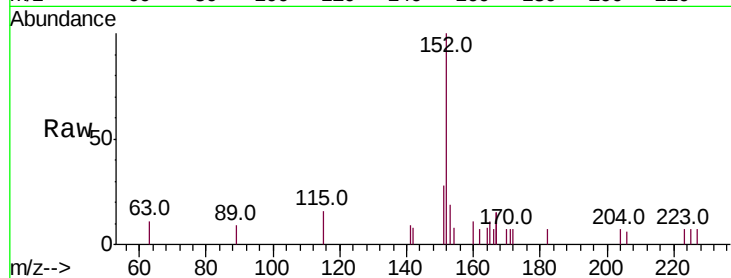
#11
2-Methylnaphthalene-d10
Concen: 0.154 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.7	16.2	24.4

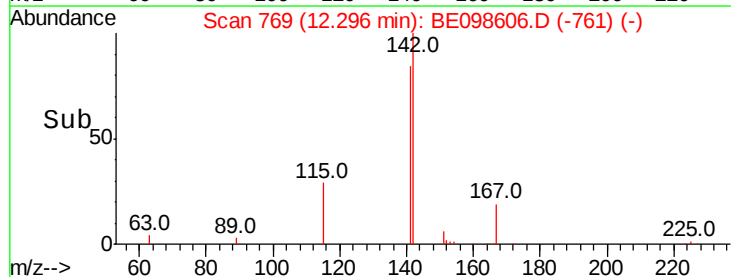
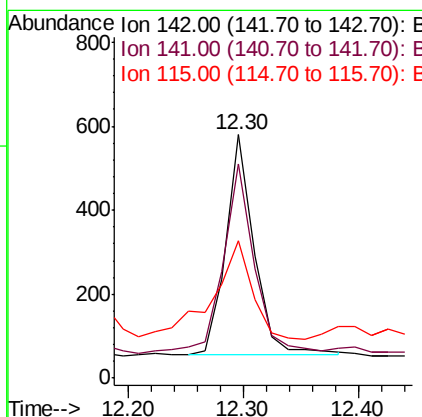
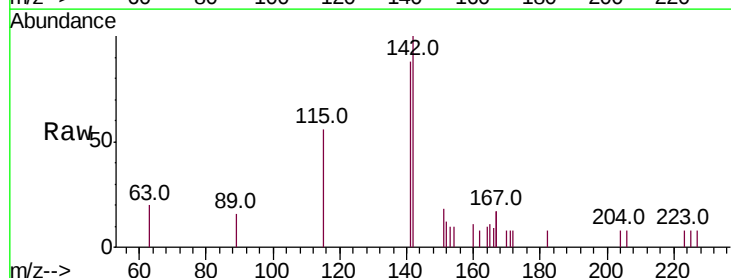
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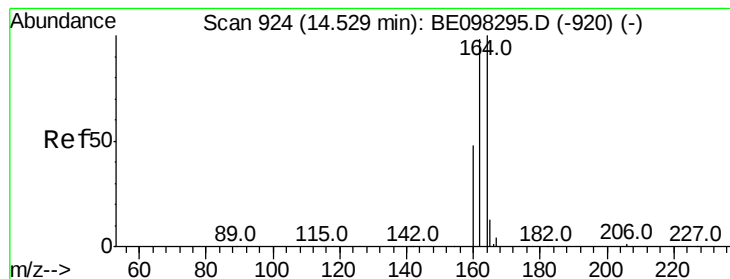
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#12
2-Methylnaphthalene
Concen: 0.112 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.0	106.6
115	56.2	32.2	48.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Instrument :

BNA_E

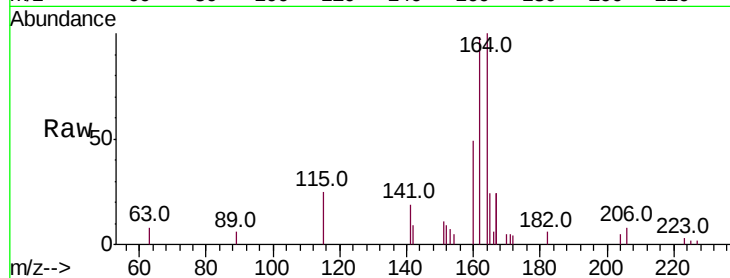
ClientSampleId :

AOC8-06ADL

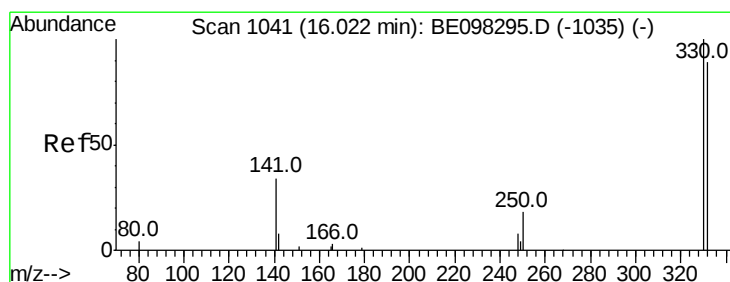
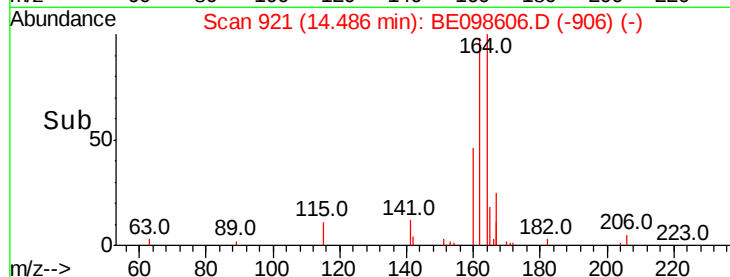
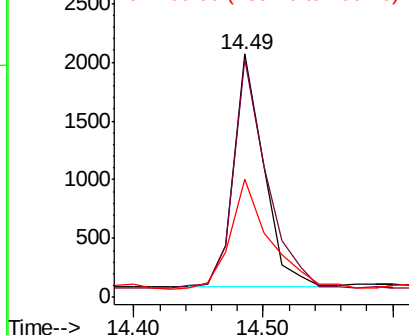
Tot Ion:	164	Resp:	3176
Ion Ratio	Lower	Upper	
164	100		
162	98.1	77.6	116.4
160	48.8	36.0	54.0

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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: 0.192 ng

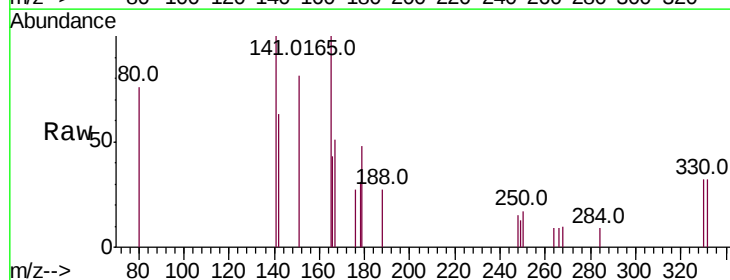
RT: 15.99 min Scan# 1038

Delta R.T. 0.02 min

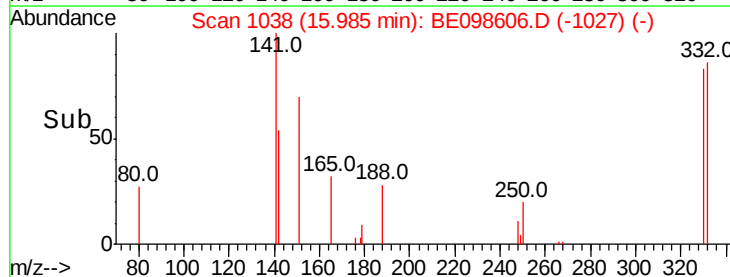
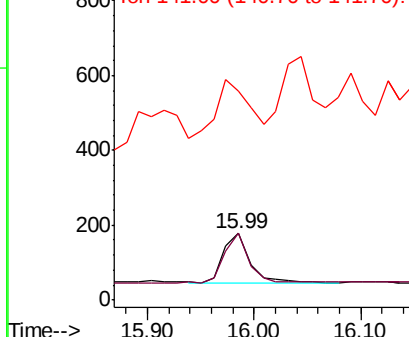
Lab File: BE098606.D

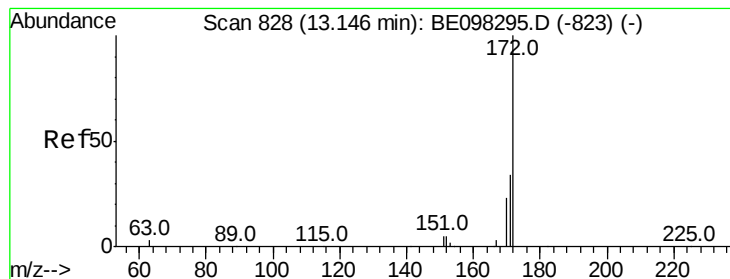
Acq: 2 Jan 2019 13:58

Tgt Ion:	330	Resp:	224
Ion Ratio	Lower	Upper	
330	100		
332	101.3	76.2	114.4
141	146.9	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





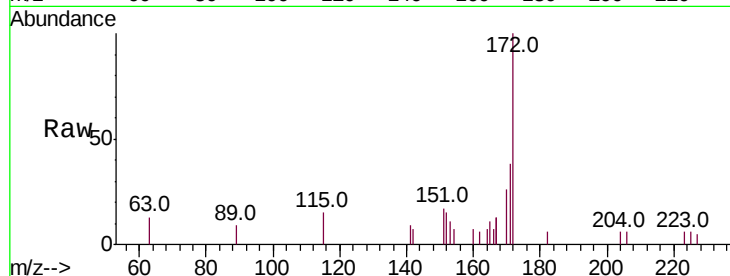
#15
2-Fluorobiphenyl
Concen: 0.117 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	27.5	41.3
170	25.6	19.6	29.4

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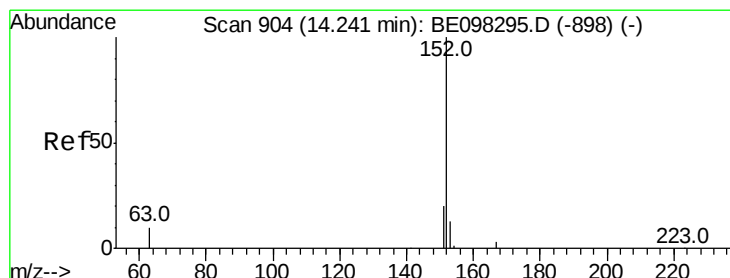
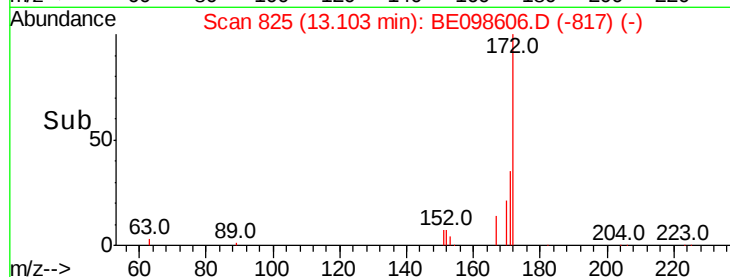
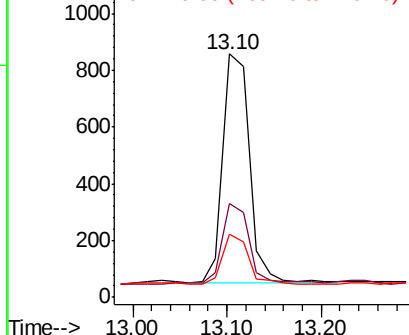


Abundance

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: 0.314 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.03 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

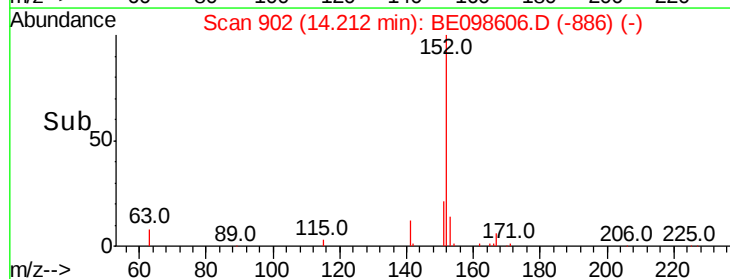
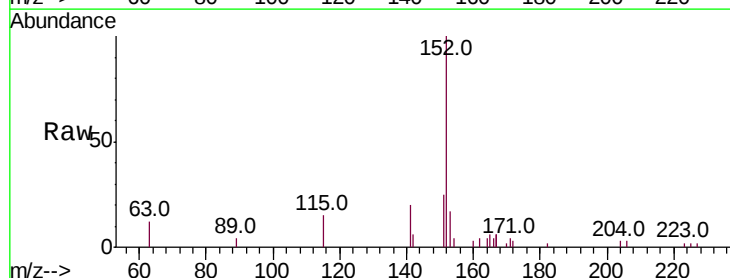
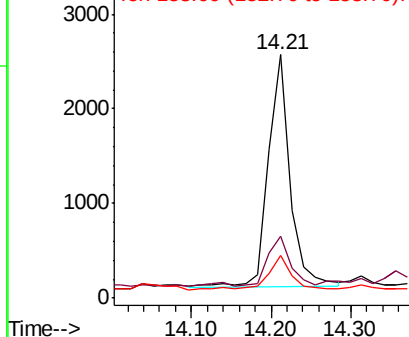
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.5	23.3
153	14.4	10.6	16.0

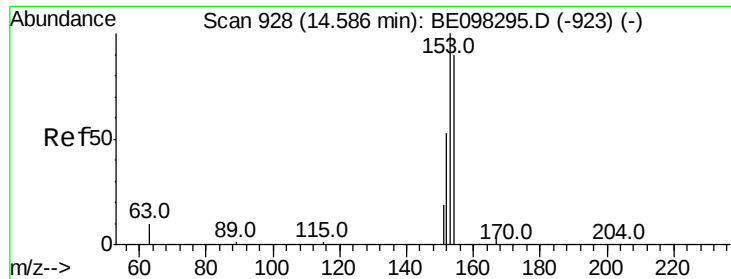
Abundance

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





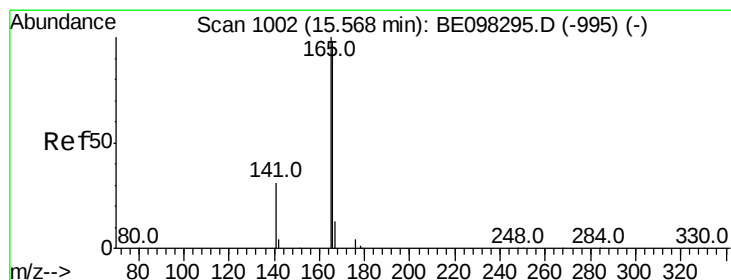
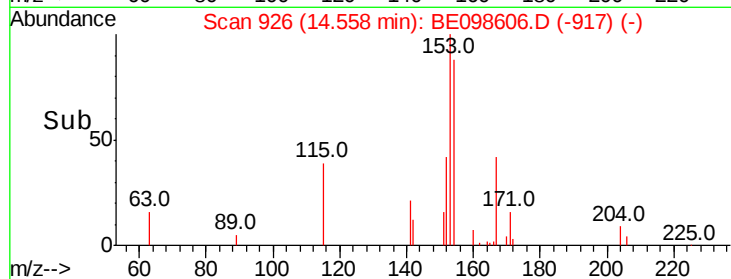
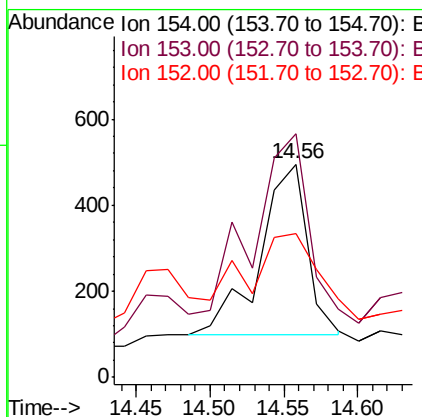
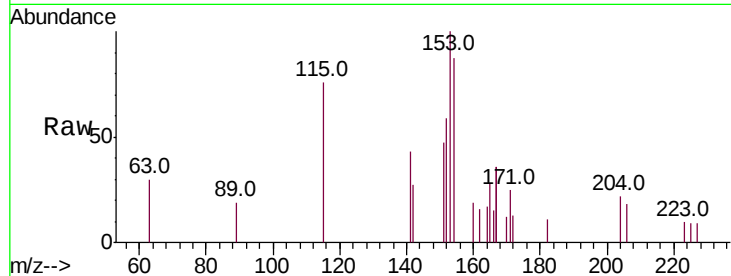
#17
Acenaphthene
Concen: 0.099 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.03 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.8	91.8	137.6
152	47.3	45.5	68.3

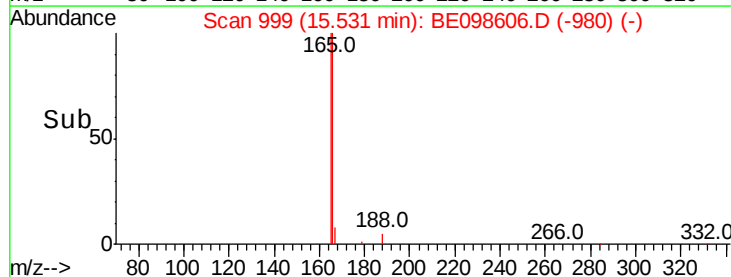
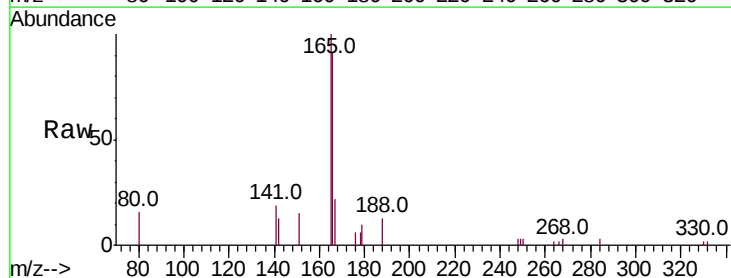
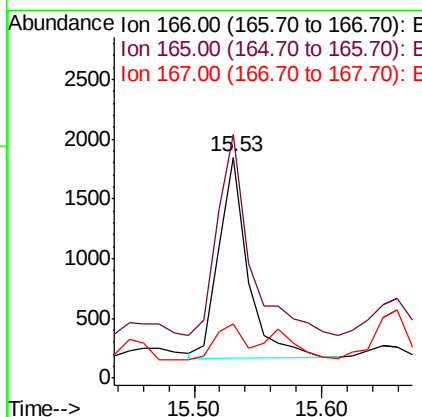
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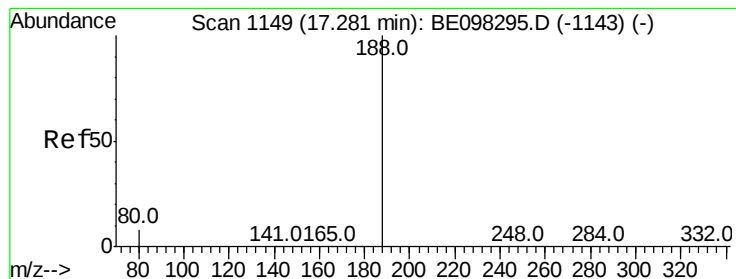
Sohil
1/3/2019 11:22:07 AM



#18
Fluorene
Concen: 0.224 ng
RT: 15.53 min Scan# 999
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.1	79.3	118.9
167	17.7	11.3	16.9#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Instrument :

BNA_E

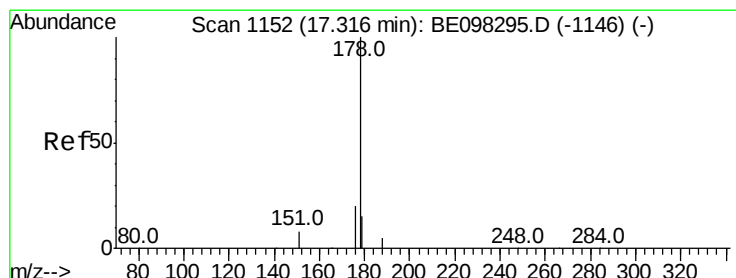
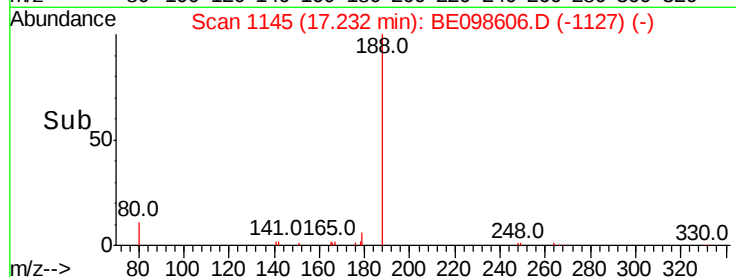
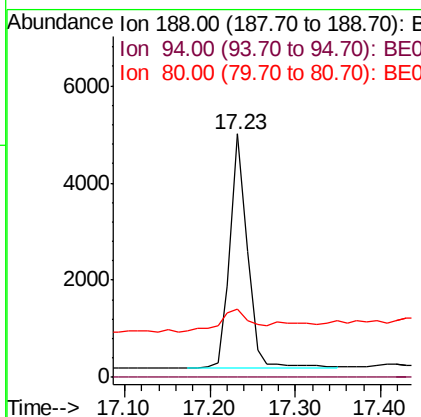
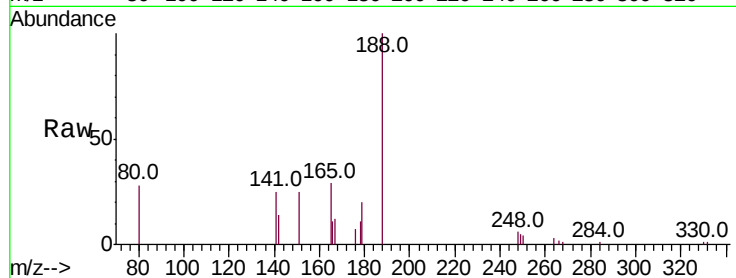
ClientSampleId :

AOC8-06ADL

Tot Ion:	188	Resp:	6852
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	27.8	7.2	10.8#

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#23

Phenanthrene

Concen: 2.139 ng m

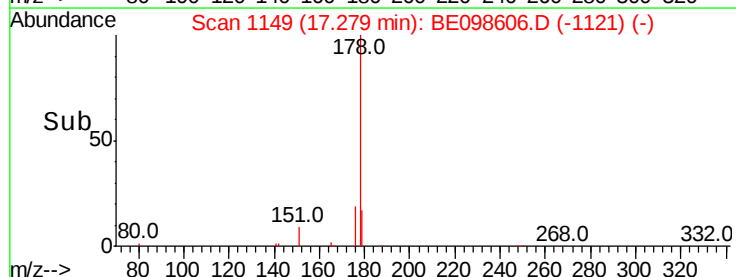
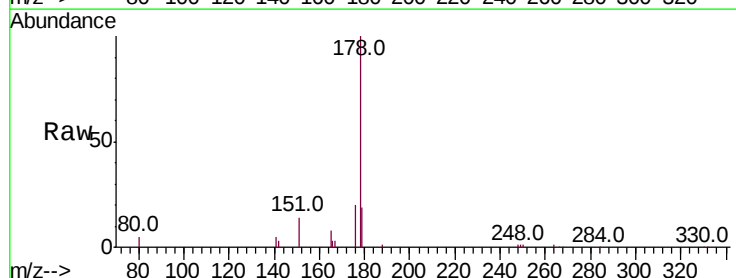
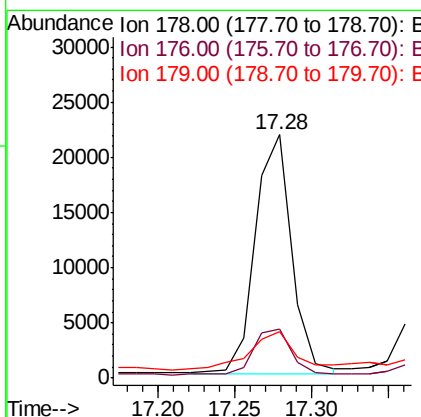
RT: 17.28 min Scan# 1149

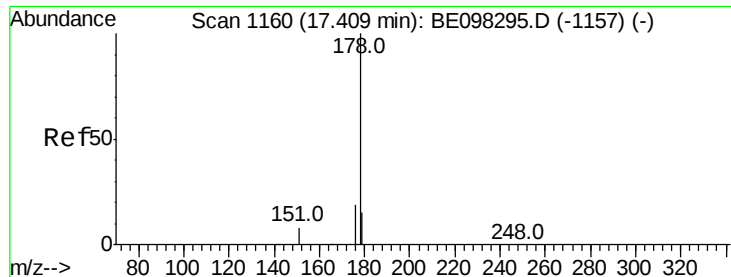
Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Tgt Ion:	178	Resp:	35614
Ion Ratio	Lower	Upper	
178	100		
176	4.0	15.9	23.9#
179	3.4	12.3	18.5#





#24

Anthracene

Concen: 0.496 ng

RT: 17.37 min Scan# 1157

Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Instrument :

BNA_E

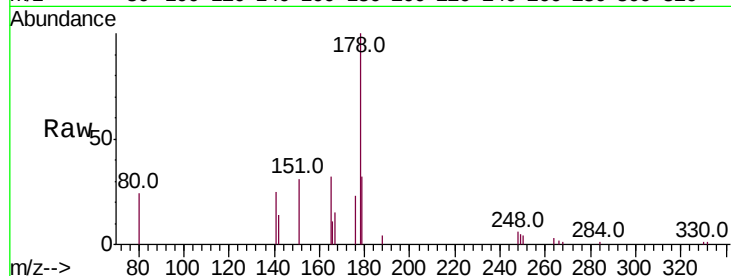
ClientSampleId :

AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	13.6	12.3	18.5

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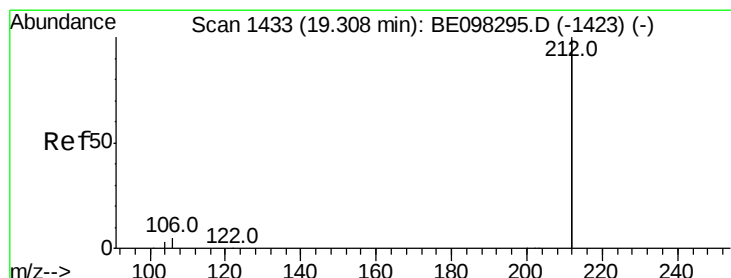
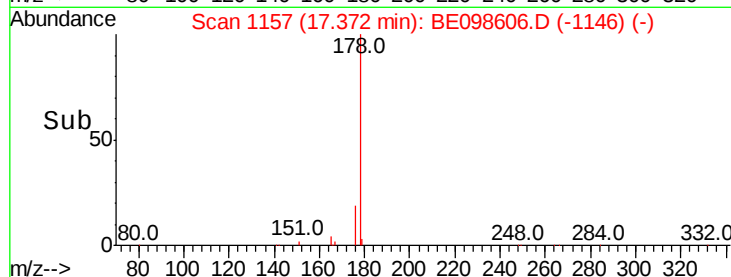
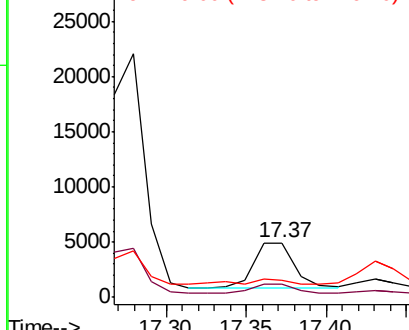


Abundance

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: 0.135 ng

RT: 19.27 min Scan# 1426

Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

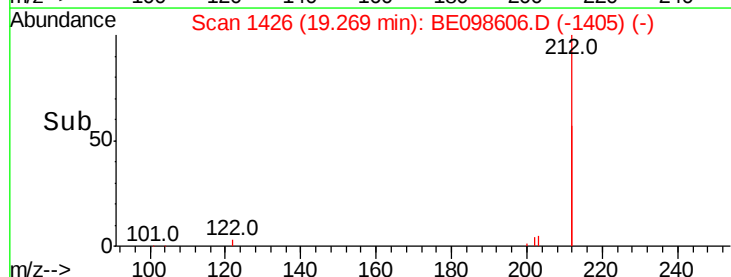
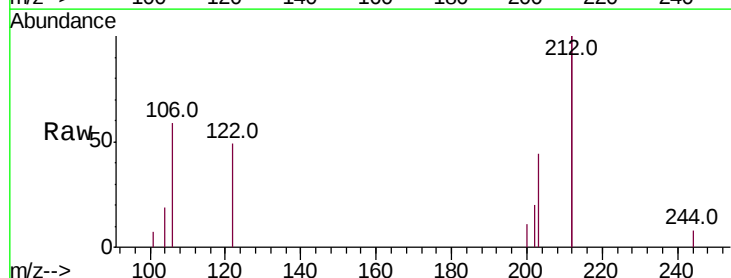
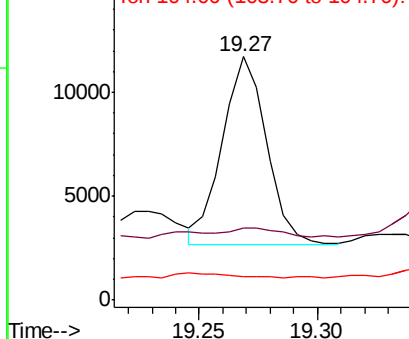
Tgt Ion	Ratio	Lower	Upper
212	100		
106	5.1	2.2	3.2#
104	0.0	1.3	1.9#

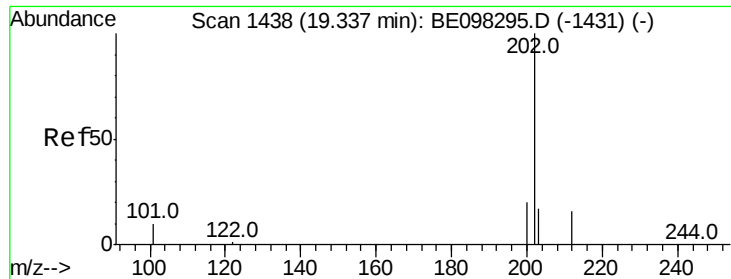
Abundance

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





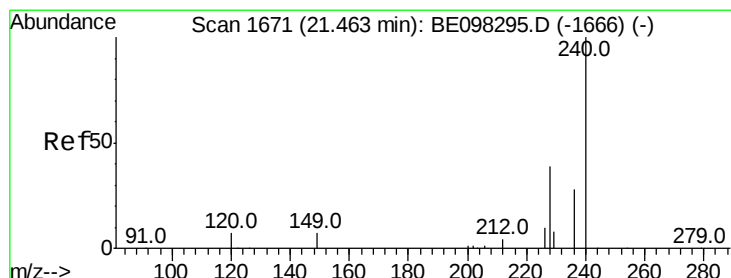
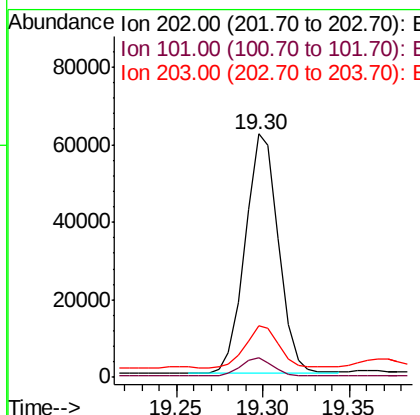
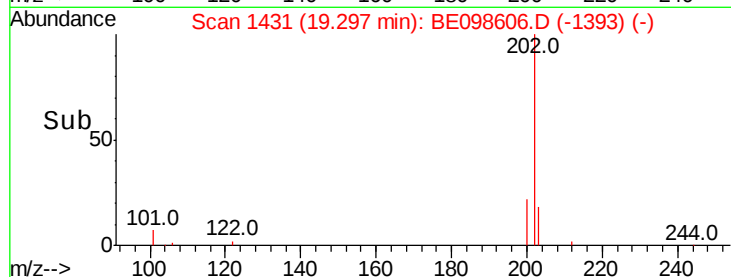
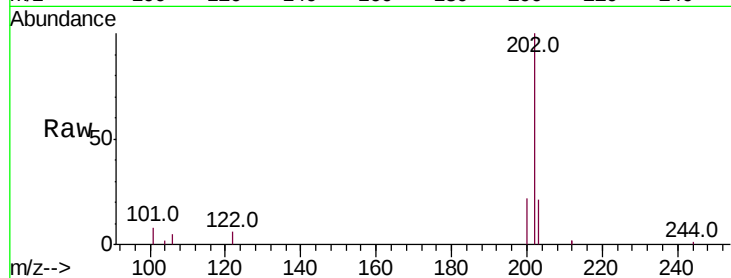
#26
 Fluoranthene
 Concen: 3.766 ng
 RT: 19.30 min Scan# 1431
 Delta R.T. 0.02 min
 Lab File: BE098606.D
 Acq: 2 Jan 2019 13:58

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	8.0	12.0#
203	17.1	13.8	20.6

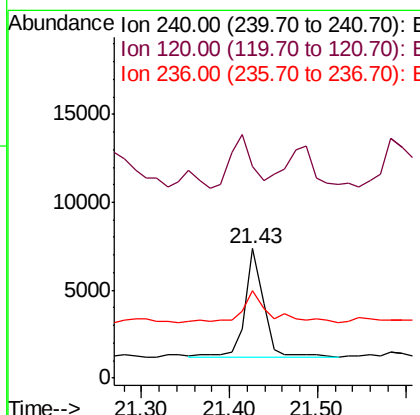
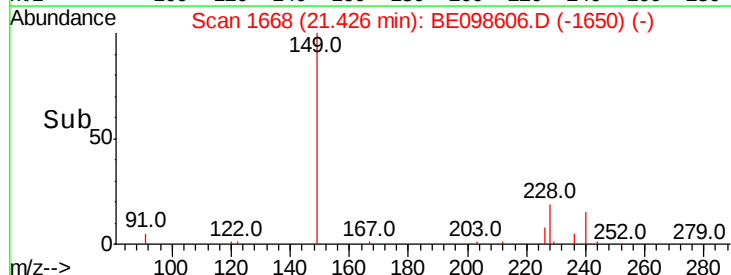
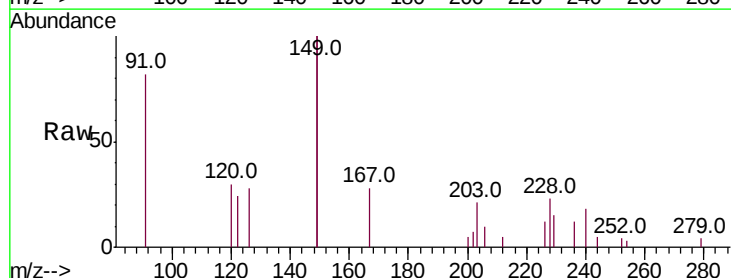
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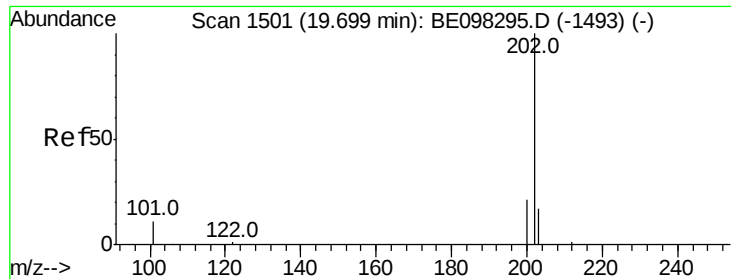
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1668
 Delta R.T. 0.02 min
 Lab File: BE098606.D
 Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	164.0	9.5	14.3#
236	67.9	22.7	34.1#





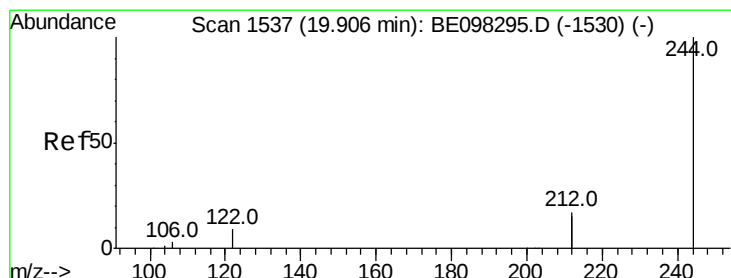
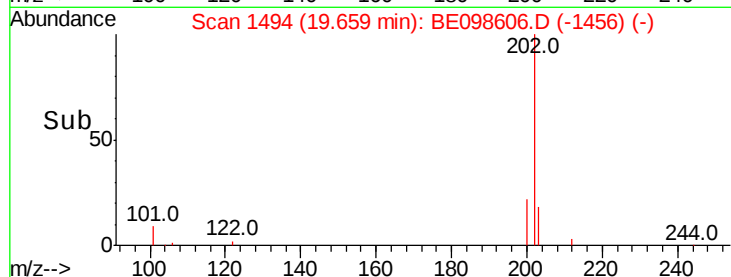
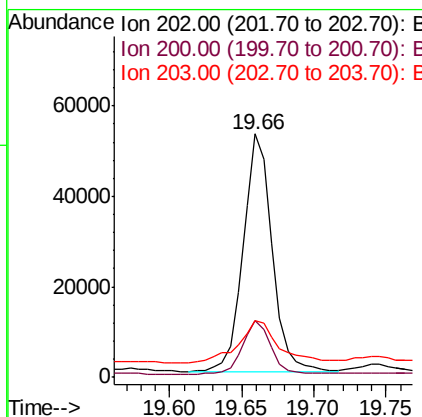
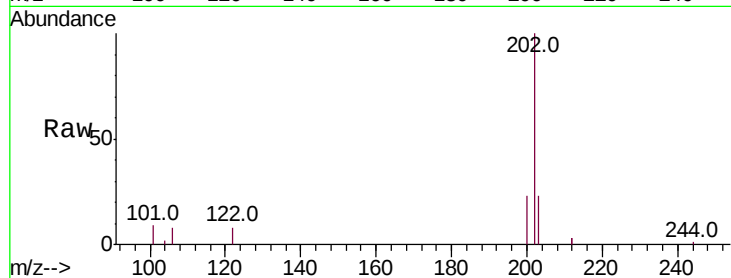
#28
Pvrene
Concen: 2.539 ng
RT: 19.66 min Scan# 1494
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.7	25.1
203	23.8	14.1	21.1

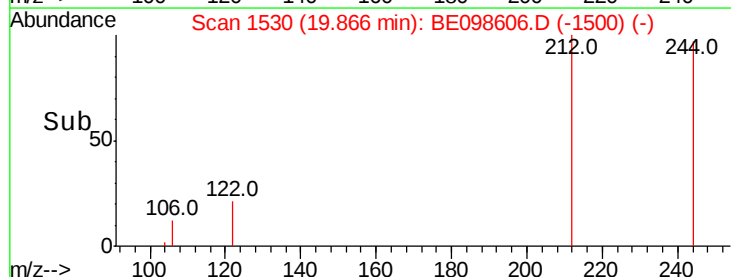
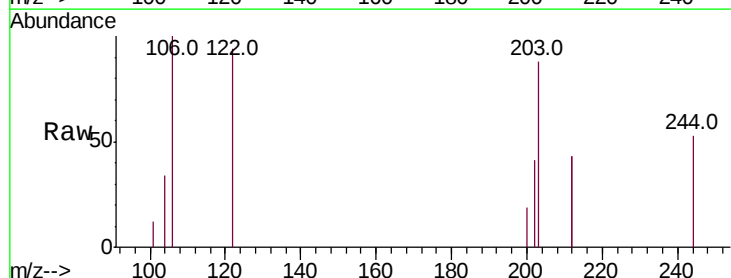
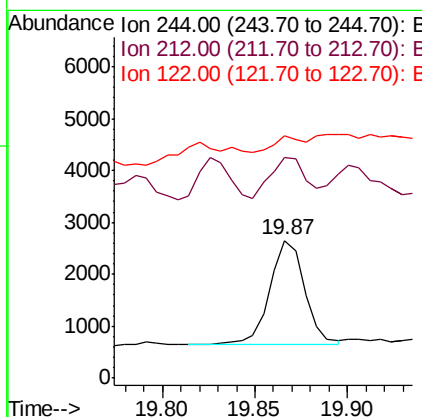
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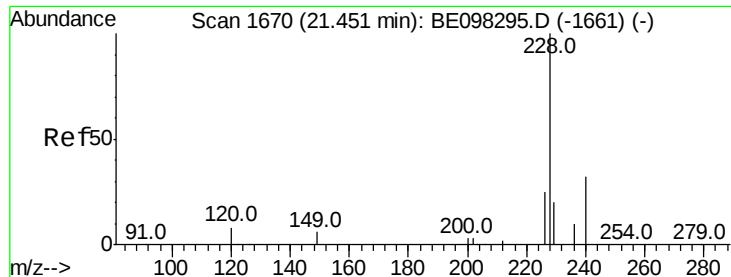
Sohil
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#29
Terphenyl-d14
Concen: 0.118 ng
RT: 19.87 min Scan# 1530
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	160.6	27.4	41.0
122	175.7	8.3	12.5





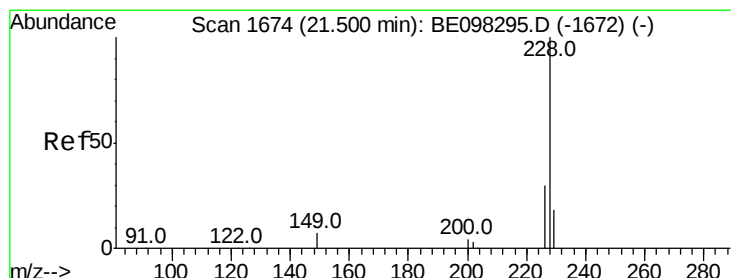
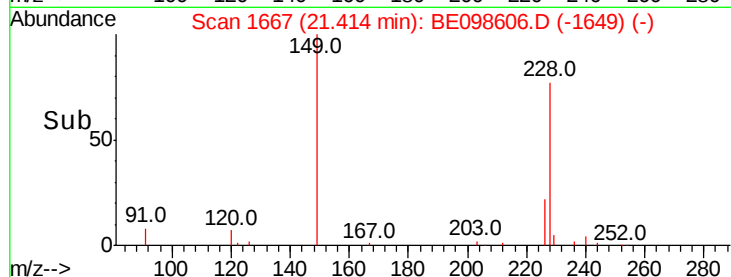
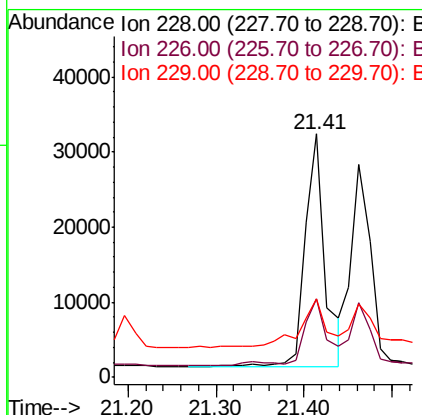
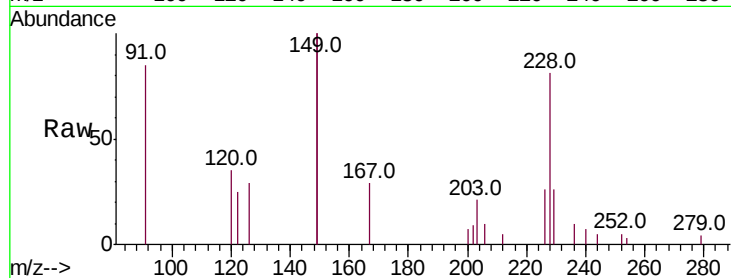
#30
Benzo(a)anthracene
Concen: 1.886 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	21.8	32.8
229	32.2	16.3	24.5#

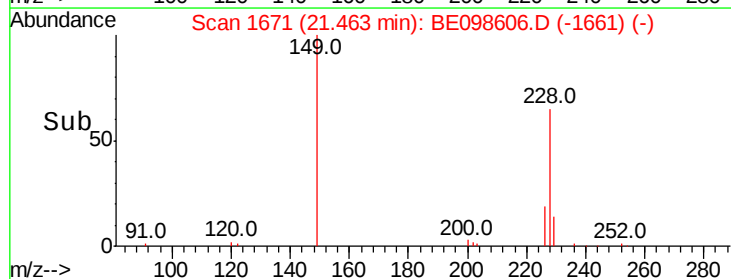
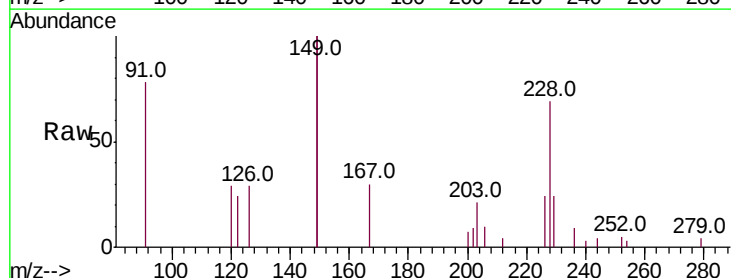
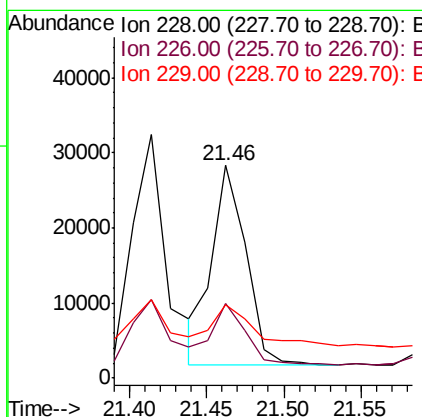
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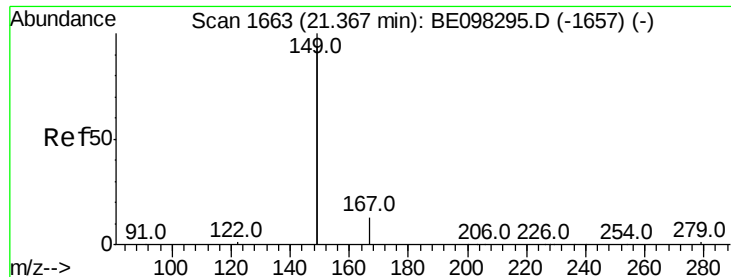
Sohil
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#31
Chrysene
Concen: 1.474 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	23.4	35.0#
229	34.5	16.2	24.4#





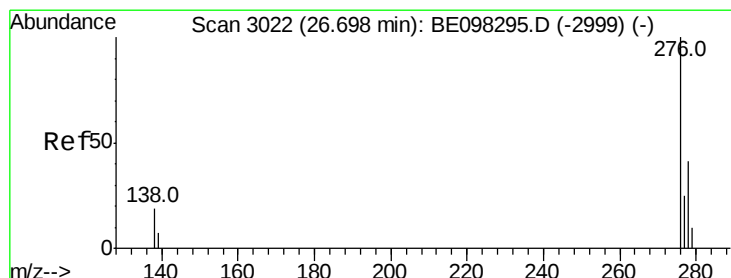
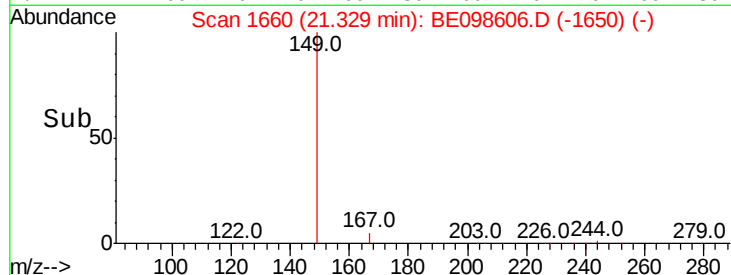
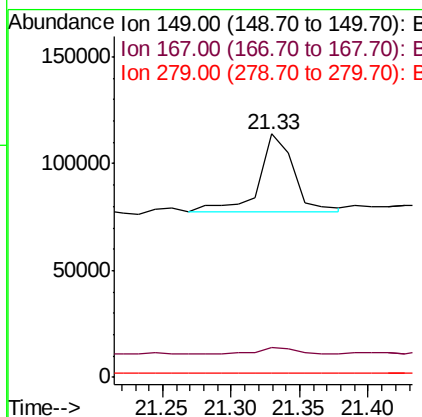
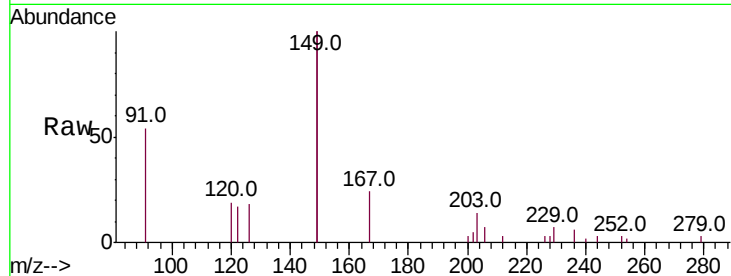
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.185 ng
 RT: 21.33 min Scan# 1660
 Delta R.T. 0.02 min
 Lab File: BE098606.D
 Acq: 2 Jan 2019 13:58

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
149	100		
167	9.3	5.7	8.5#
279	1.4	1.0	1.4

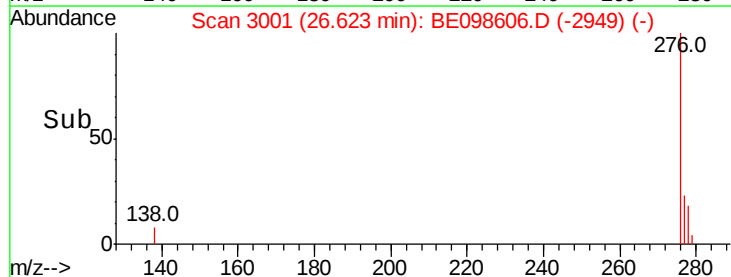
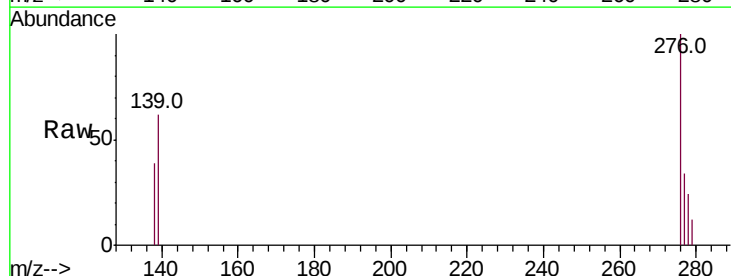
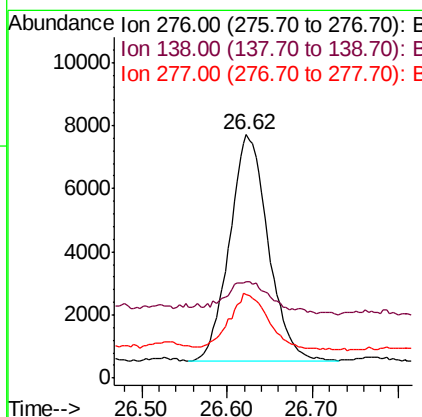
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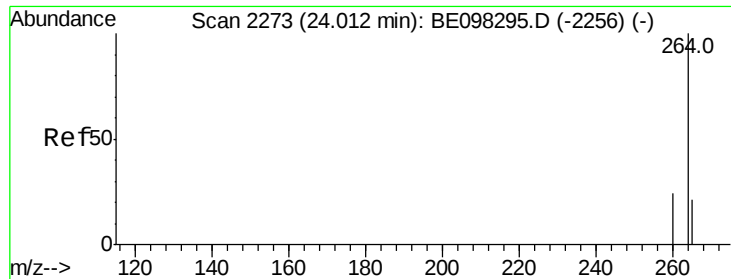
Sohil
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.826 ng
 RT: 26.62 min Scan# 3001
 Delta R.T. -0.01 min
 Lab File: BE098606.D
 Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.5	16.3	24.5#
277	24.2	20.2	30.4





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Instrument :

BNA_E

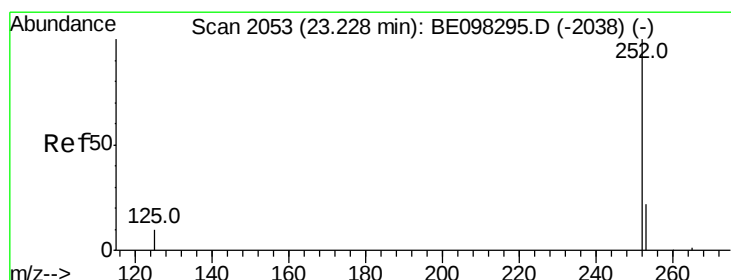
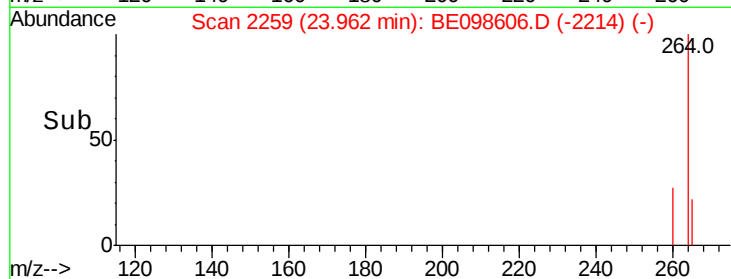
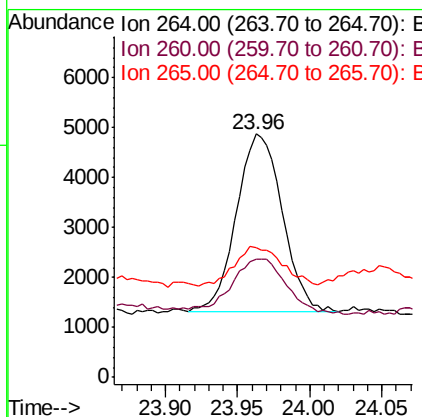
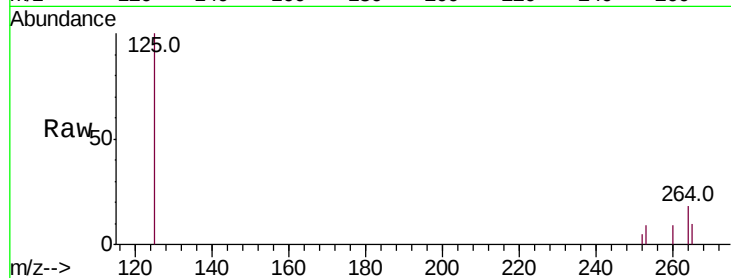
ClientSampleId :

AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	48.3	20.2	30.2#
265	53.4	25.2	37.8#

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#35

Benzo(b)fluoranthene

Concen: 2.558 ng

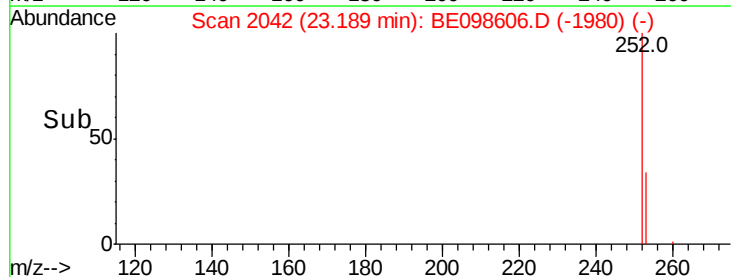
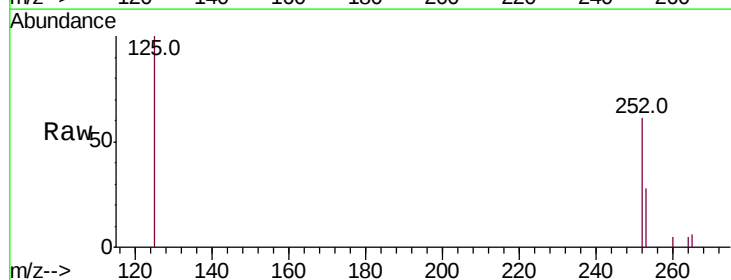
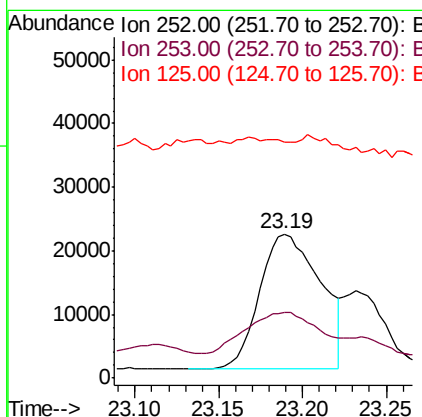
RT: 23.19 min Scan# 2042

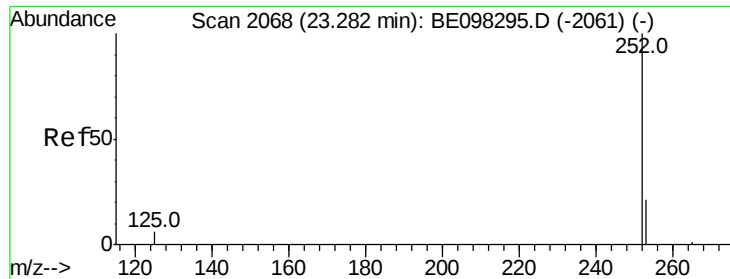
Delta R.T. 0.02 min

Lab File: BE098606.D

Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.5	20.0	30.0#
125	163.9	9.6	14.4#





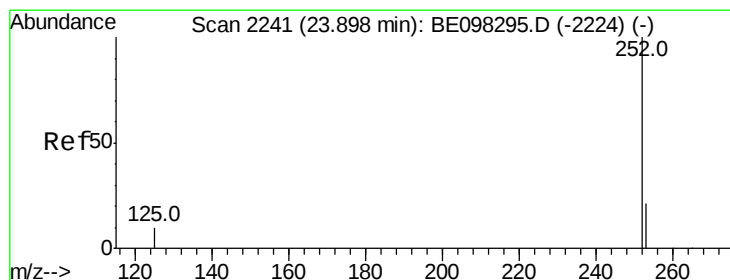
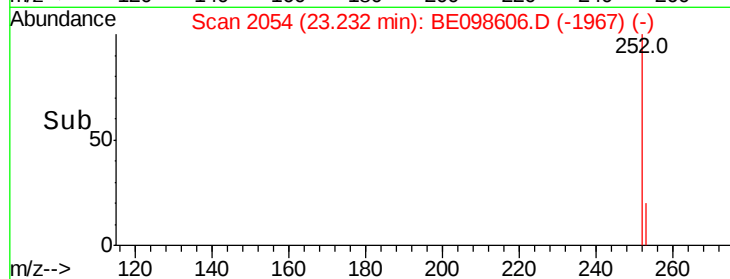
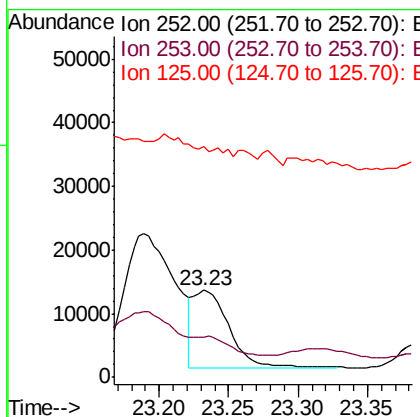
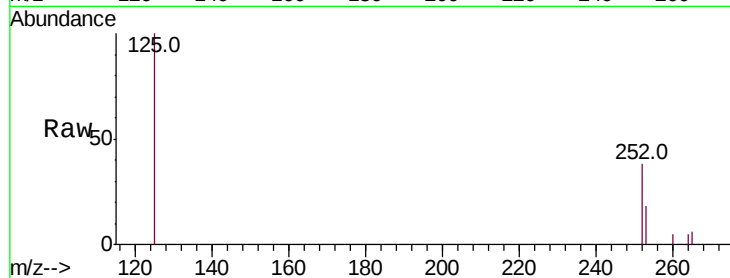
#36
Benzo(k)fluoranthene
Concen: 0.910 ng m
RT: 23.23 min Scan# 2054
Delta R.T. 0.01 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion:252 Resp: 22422
Ion Ratio Lower Upper
252 100
253 46.3 19.0 28.6#
125 263.9 9.1 13.7#

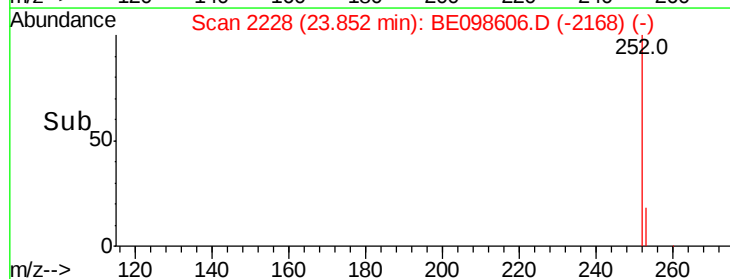
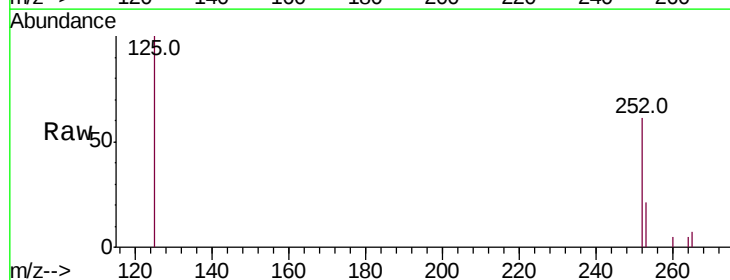
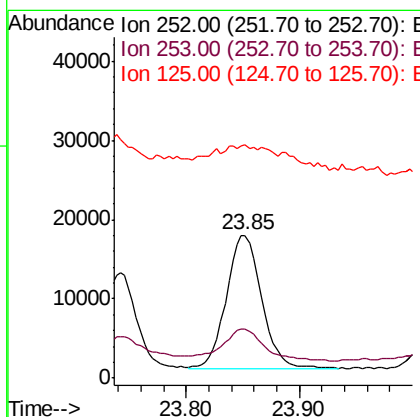
Manual Integrations
APPROVED

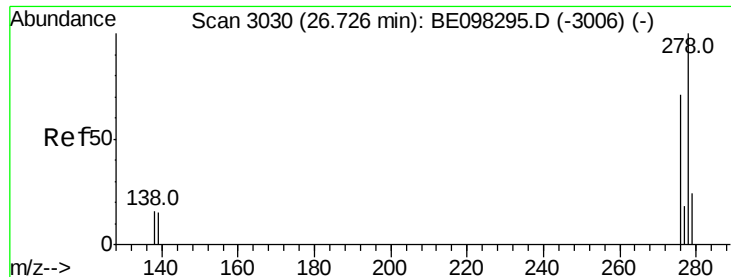
Sohil
1/3/2019 11:22:07 AM



#37
Benzo(a)pyrene
Concen: 1.674 ng
RT: 23.85 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion:252 Resp: 36524
Ion Ratio Lower Upper
252 100
253 34.3 20.6 30.8#
125 163.0 10.5 15.7#





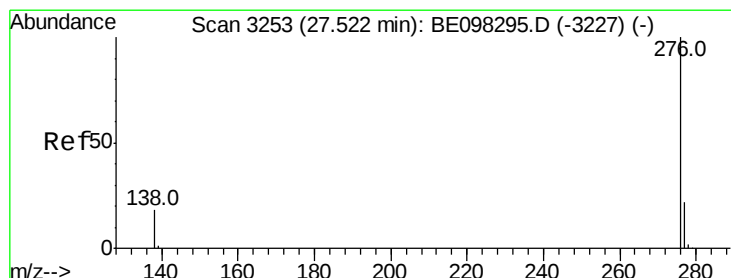
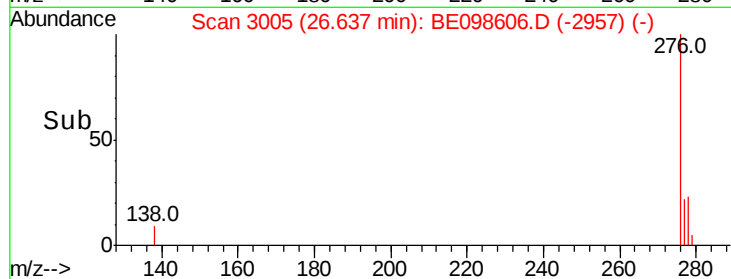
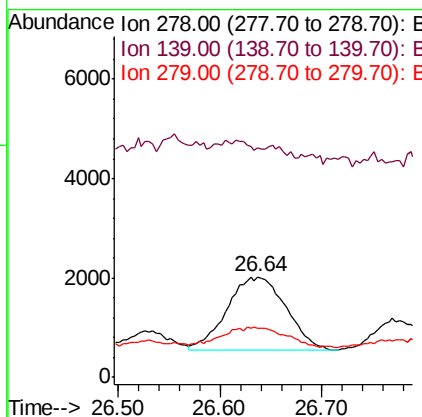
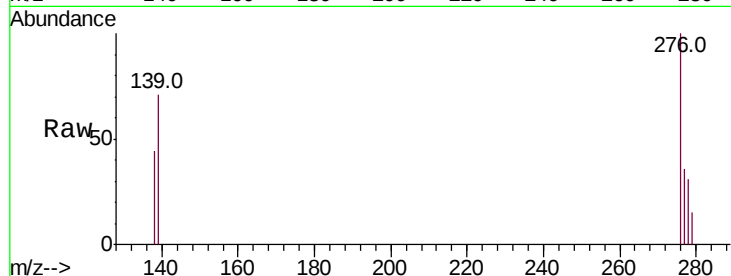
#38
Dibenzo(a,h)anthracene
Concen: 0.286 ng
RT: 26.64 min Scan# 3005
Delta R.T. -0.03 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Instrument :
BNA_E
ClientSampleId :
AOC8-06ADL

Tot Ion	Ratio	Lower	Upper
278	100		
139	228.1	14.5	21.7#
279	48.2	21.8	32.8#

Manual Integrations
APPROVED

Sohil
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#39
Benzo(g,h,i)perylene
Concen: 0.998 ng
RT: 27.44 min Scan# 3231
Delta R.T. -0.02 min
Lab File: BE098606.D
Acq: 2 Jan 2019 13:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.3	20.8	31.2#
138	39.6	15.8	23.6#

