

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
 Data File : BE098263.D
 Acq On : 21 Nov 2018 15:48
 Operator : SJ/JU
 Sample : J5996-05DL 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Manual Integrations
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mohammad
 11/23/2018 11:47:38 AM

Quant Time: Nov 22 00:34:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 19:05:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1516	0.40	ng	0.02
7) Naphthalene-d8	10.68	136	7217	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	4555	0.40	ng	0.01
19) Phenanthrene-d10	17.29	188	9881	0.40	ng	0.01
27) Chrysene-d12	21.48	240	11632	0.40	ng	0.01
34) Perylene-d12	24.02	264	10830	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	100	0.02	ng	0.00
5) Phenol-d6	7.07	99	149	0.02	ng	0.03
8) Nitrobenzene-d5	9.04	82	99	0.01	ng	0.03
11) 2-Methylnaphthalene-d10	12.28	152	220	0.02	ng	0.01
14) 2,4,6-Tribromophenol	16.04	330	62	0.04	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	287	0.01	ng	0.01
25) Fluoranthene-d10	19.32	212	1813	0.02	ng	0.00
29) Terphenyl-d14	19.91	244	506	0.02	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.73	128	4539	0.062	ng	# 95
12) 2-Methylnaphthalene	12.35	142	891	0.069	ng	# 95
16) Acenaphthylene	14.27	152	6528	0.301	ng	# 98
17) Acenaphthene	14.60	154	798	0.062	ng	# 94
18) Fluorene	15.59	166	2143	0.130	ng	# 93
23) Phenanthrene	17.33	178	17281	0.680	ng	# 97
24) Anthracene	17.42	178	6041	0.262	ng	# 98
26) Fluoranthene	19.35	202	53349	1.749	ng	# 99
28) Pyrene	19.71	202	51825	1.524	ng	# 97
30) Benzo(a)anthracene	21.45	228	36369	1.081	ng	# 92
31) Chrysene	21.51	228	33594m	0.970	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.38	149	4632	0.088	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.72	276	21989	0.742	ng	# 92
35) Benzo(b)fluoranthene	23.24	252	46344	1.515	ng	# 90
36) Benzo(k)fluoranthene	23.29	252	15595m	0.452	ng	# 90
37) Benzo(a)pyrene	23.91	252	33429	1.113	ng	# 90
38) Dibenzo(a,h)anthracene	26.73	278	5498	0.228	ng	# 57
39) Benzo(a,h,i)perylene	27.55	276	19447	0.750	ng	# 90

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

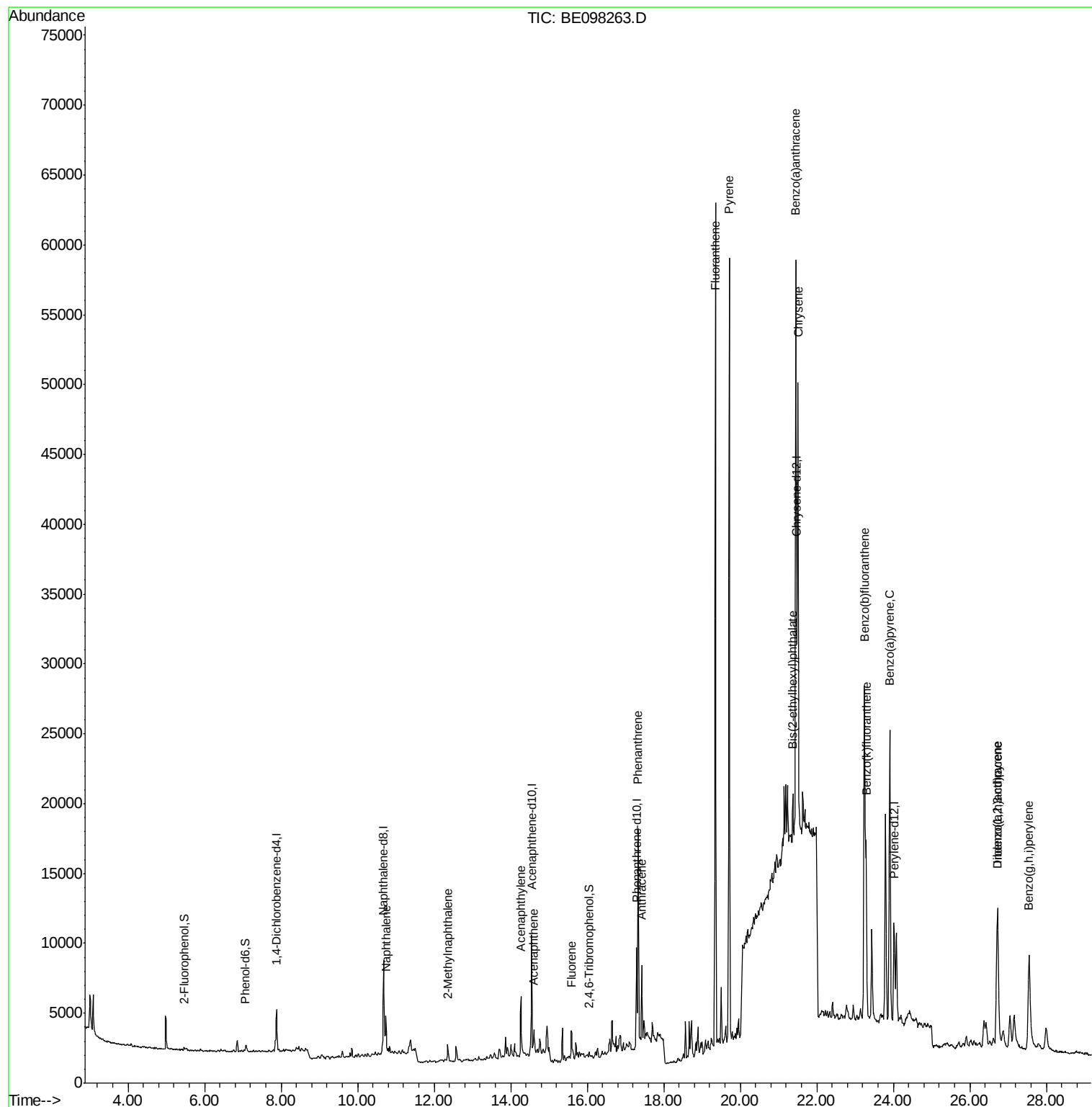
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
Data File : BE098263.D
Acq On : 21 Nov 2018 15:48
Operator : SJ/JU
Sample : J5996-05DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

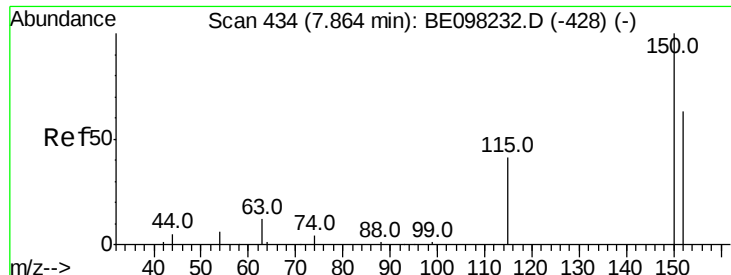
Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

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11/23/2018 11:47:38 AM

Quant Time: Nov 22 00:34:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. 0.02 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

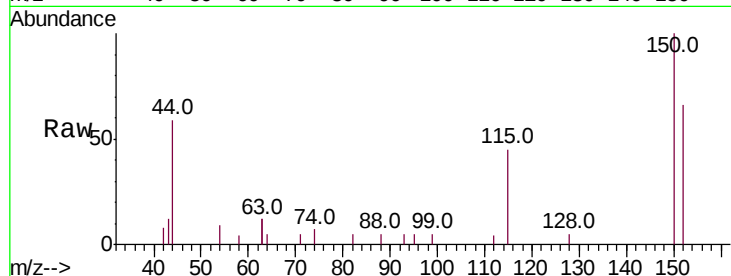
ClientSampleId :

AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	127.5	191.3
115	67.7	60.3	90.5

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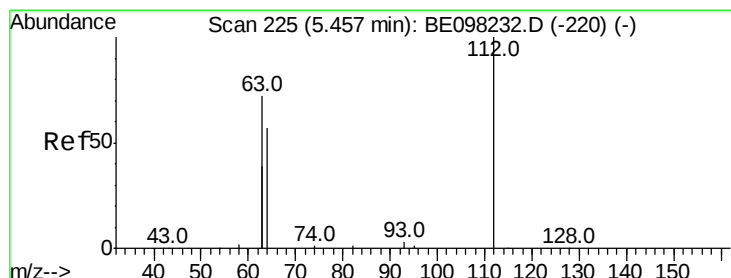
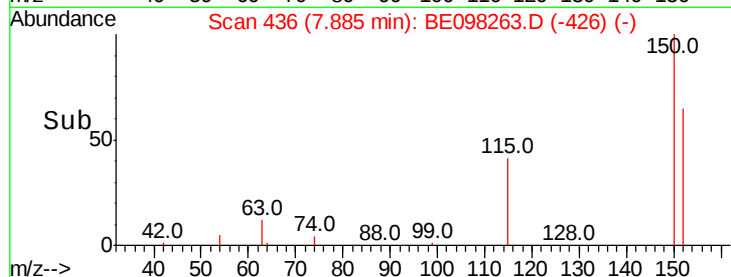
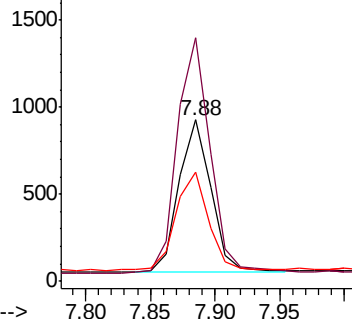


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.025 ng

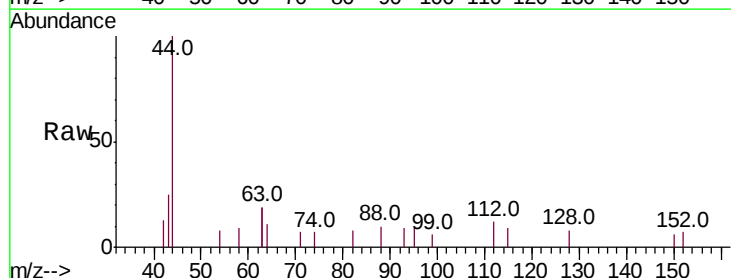
RT: 5.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	61.7	92.5
63	122.0	136.2	204.2

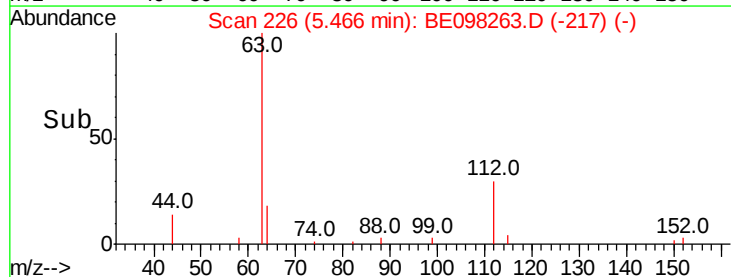
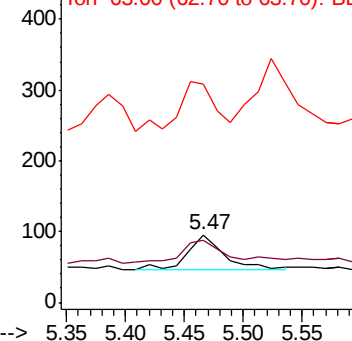


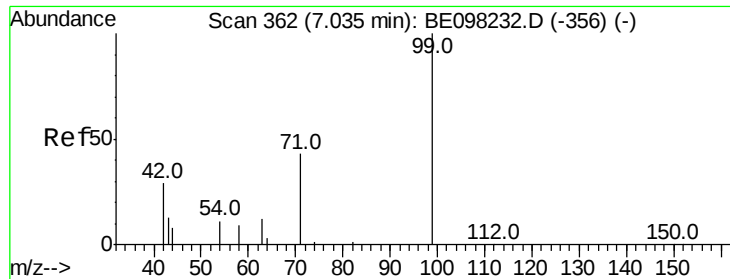
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.023 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.03 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

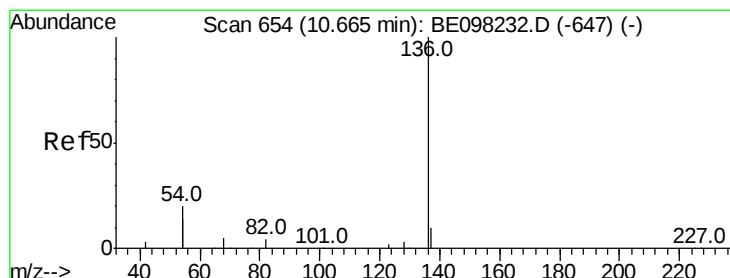
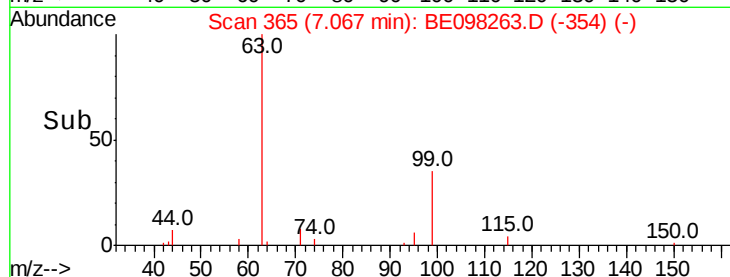
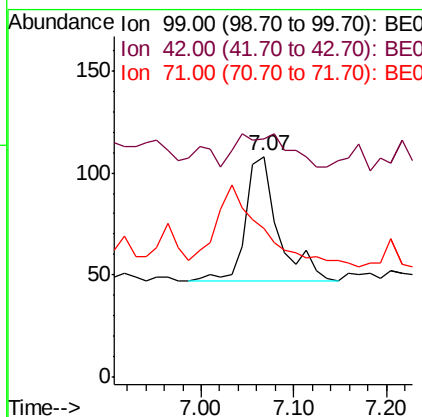
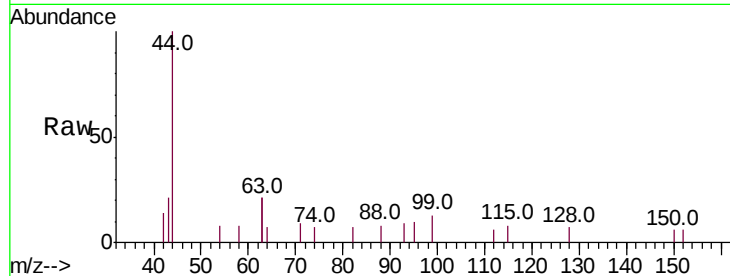
ClientSampleId :

AOC8-01R-ADL

Tot Ion:	99	Resp:	149
Ion	Ratio	Lower	Upper
99	100		
42	0.0	27.1	40.7#
71	0.0	37.0	55.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

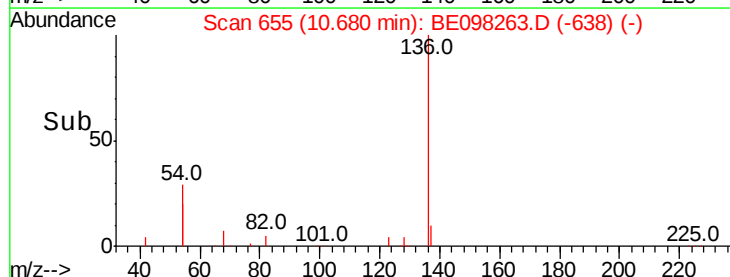
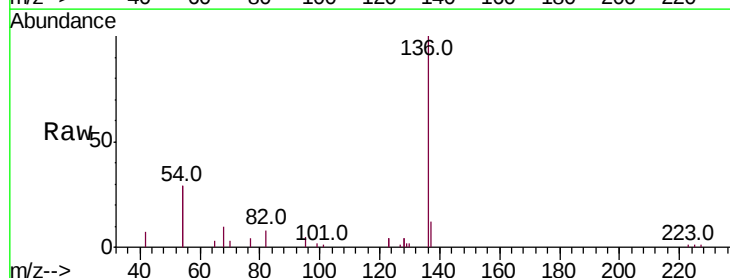
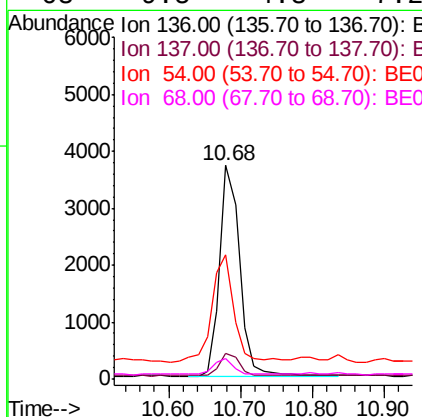
RT: 10.68 min Scan# 655

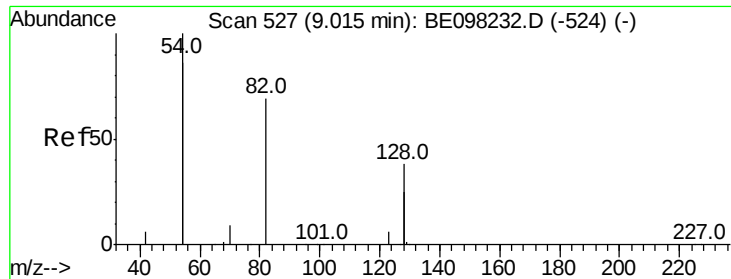
Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Tgt Ion:	136	Resp:	7217
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	58.2	31.3	46.9#
68	9.5	4.8	7.2#





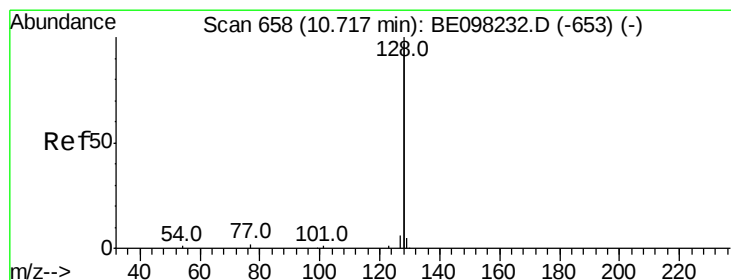
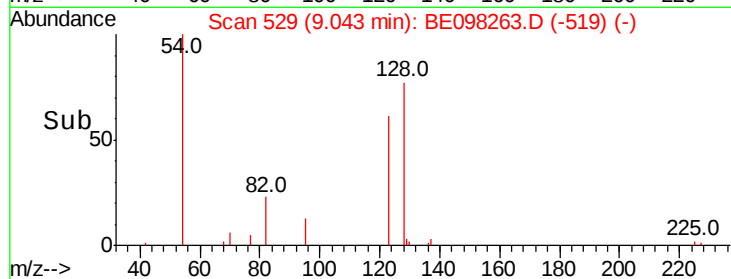
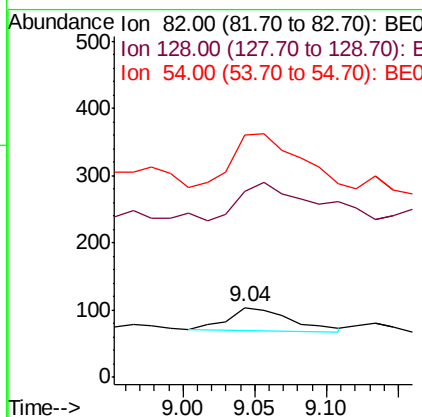
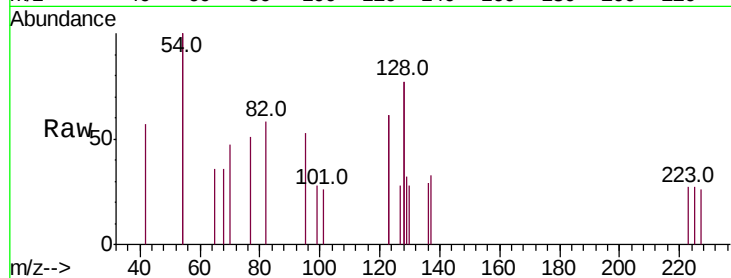
#8
 Nitrobenzene-d5
 Concen: 0.015 ng
 RT: 9.04 min Scan# 529
 Delta R.T. 0.03 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	265.4	96.1	144.1#
54	346.2	232.0	348.0

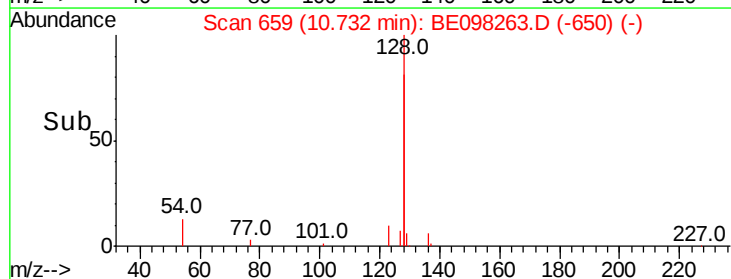
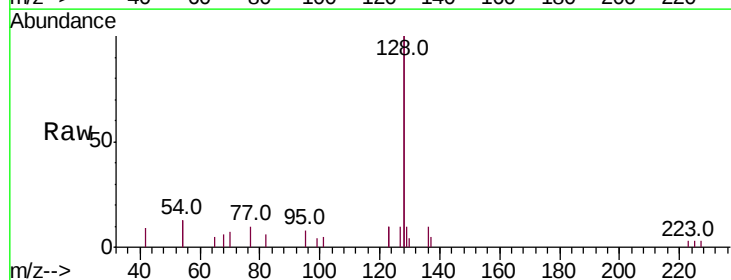
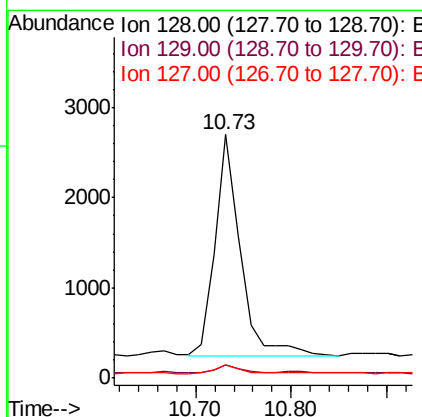
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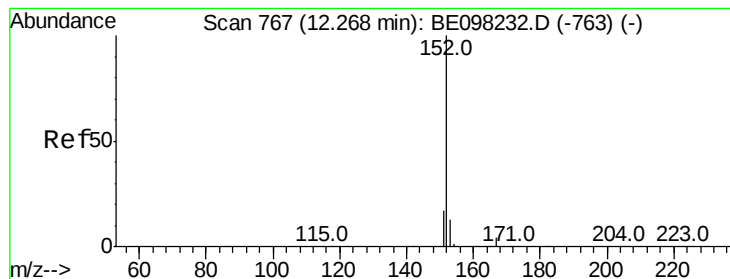
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#9
 Naphthalene
 Concen: 0.062 ng
 RT: 10.73 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.2	2.6	4.0#
127	5.2	2.8	4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.017 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

ClientSampleId :

AOC8-01R-ADL

Tot Ion:152 Resp: 220

Ion Ratio Lower Upper

152 100

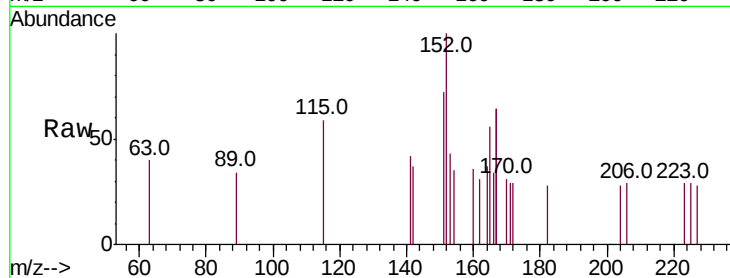
151 47.3 15.4 23.2#

Manual Integrations

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

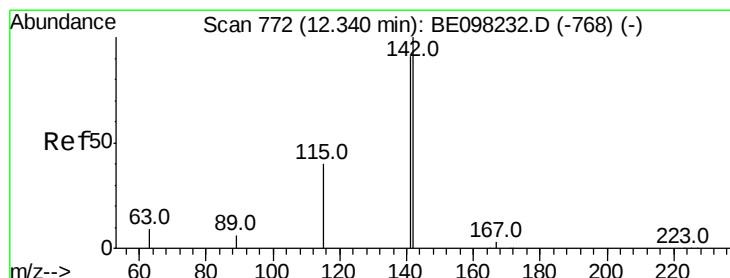
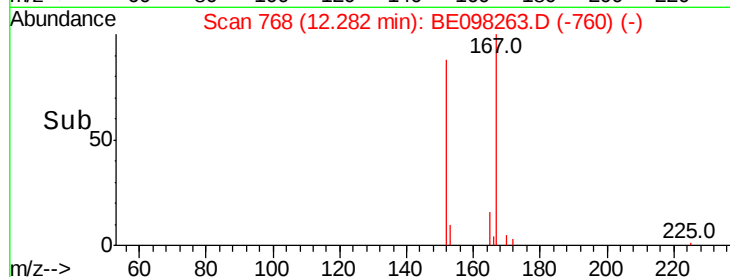
150

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.069 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

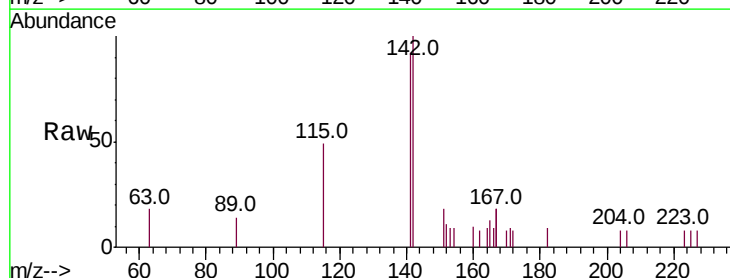
Tgt Ion:142 Resp: 891

Ion Ratio Lower Upper

142 100

141 91.6 76.3 114.5

115 49.5 35.8 53.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

800

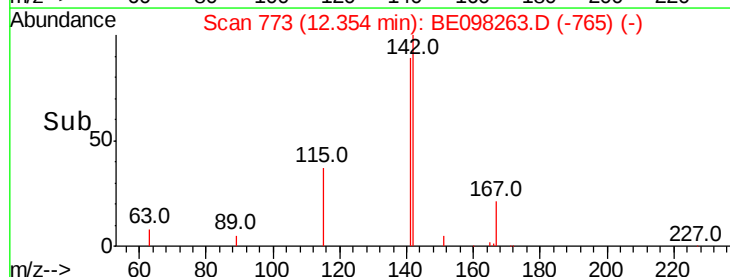
600

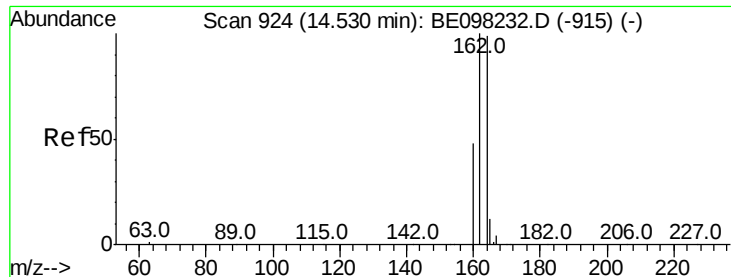
400

200

0

Time-->





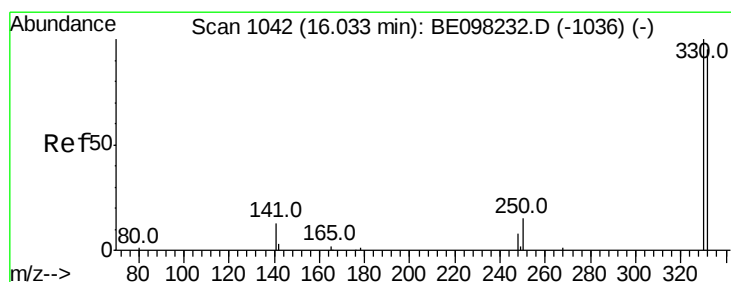
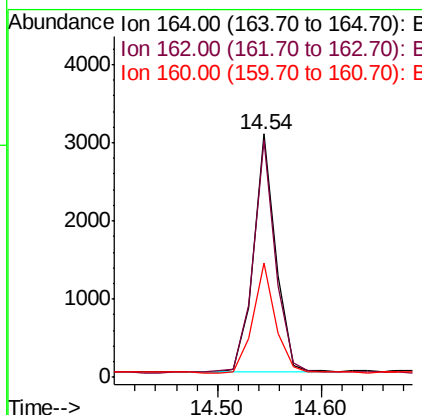
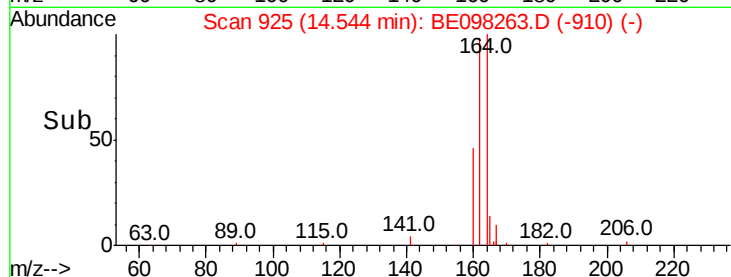
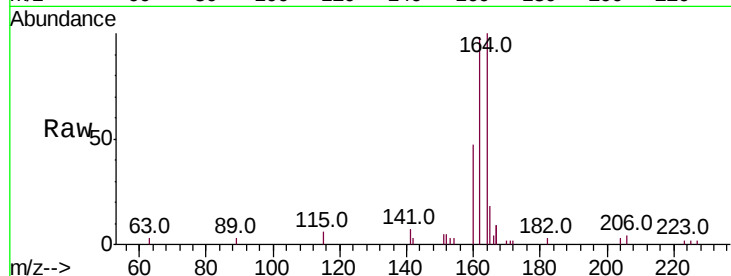
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.7	81.8	122.6
160	47.0	39.4	59.0

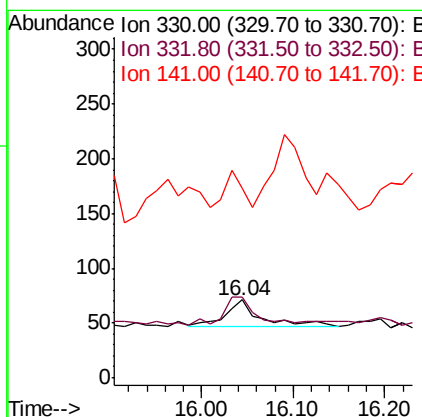
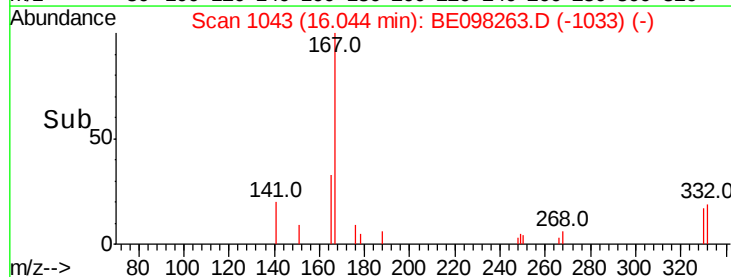
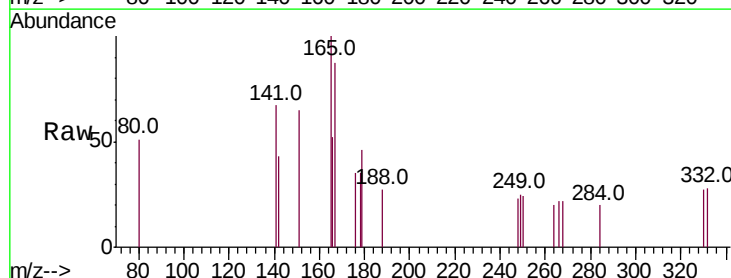
Manual Integrations
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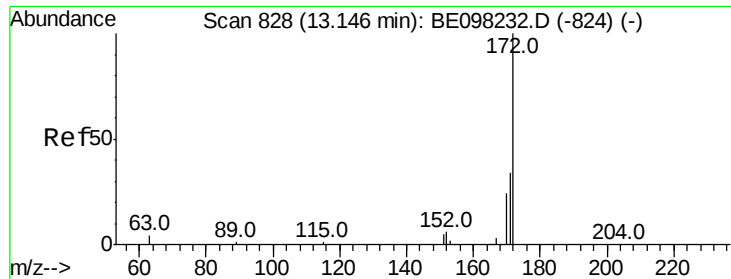
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#14
2,4,6-Tribromophenol
Concen: 0.042 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	104.8	77.7	116.5
141	67.7	33.6	50.4#





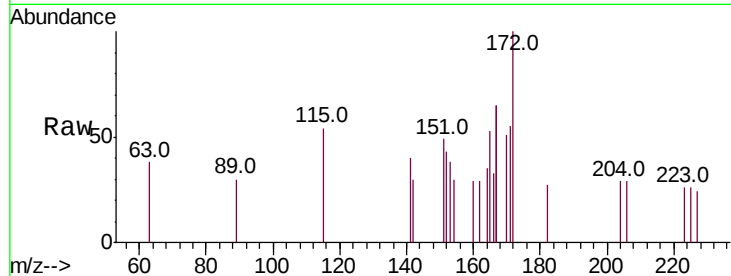
#15
2-Fluorobiphenyl
Concen: 0.014 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
172	100		
171	54.9	27.3	40.9#
170	50.5	19.4	29.0#

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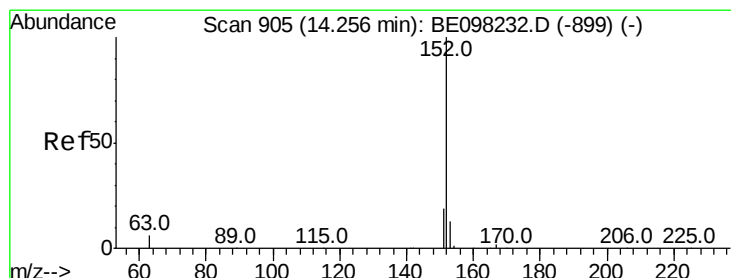
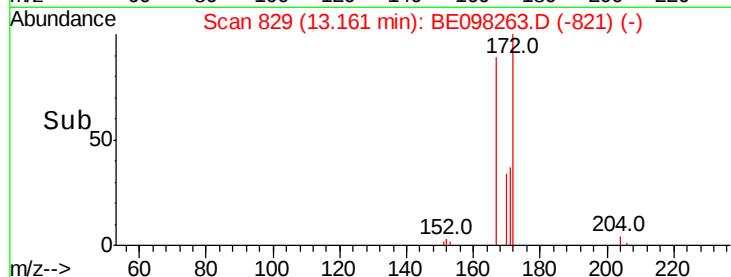
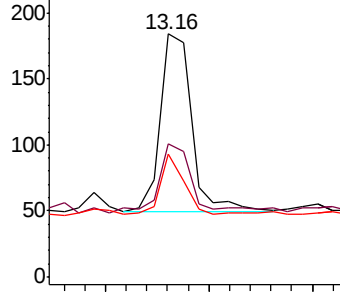


Abundance

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: 0.301 ng
RT: 14.27 min Scan# 906
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

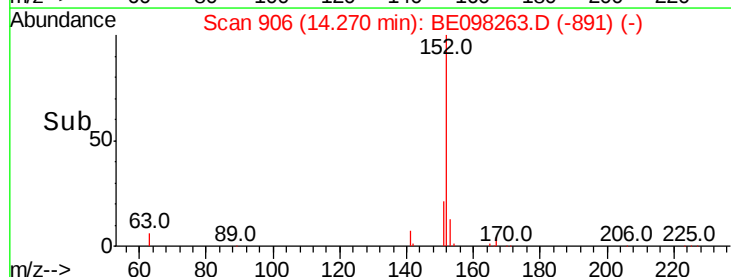
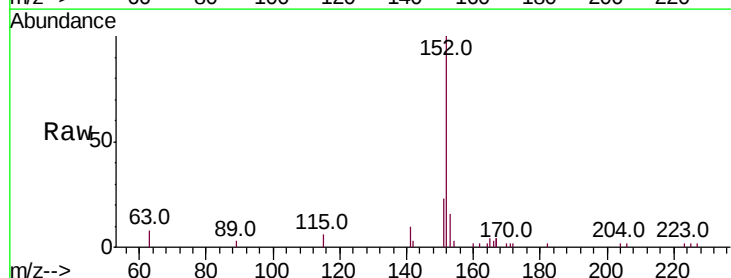
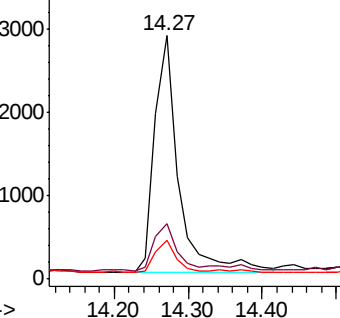
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.4	24.6
153	12.5	10.6	15.8

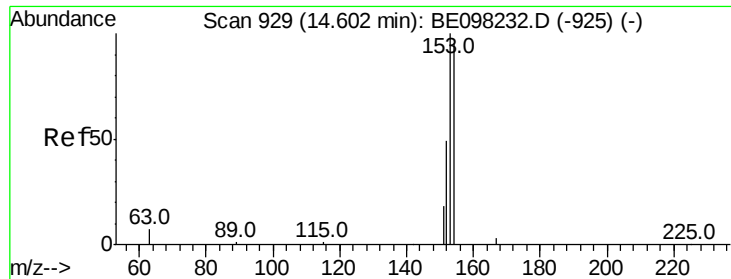
Abundance

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





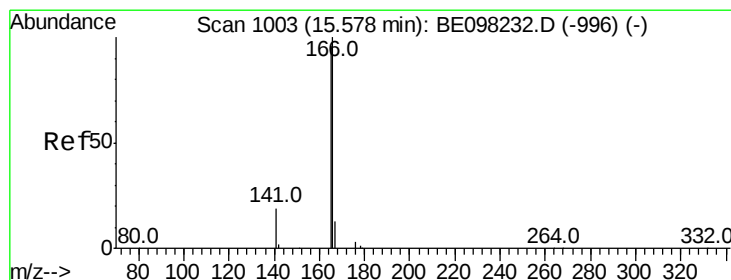
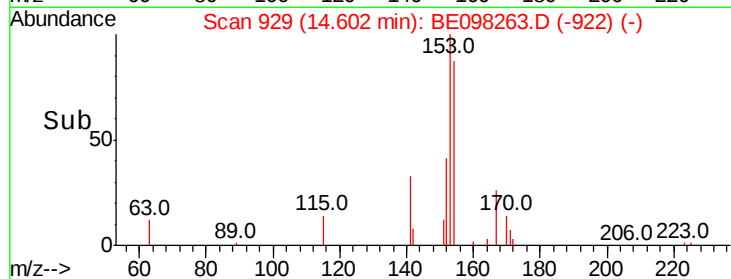
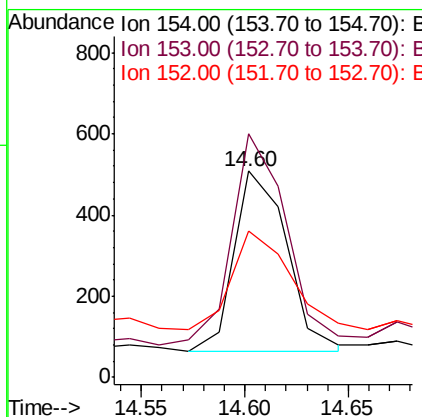
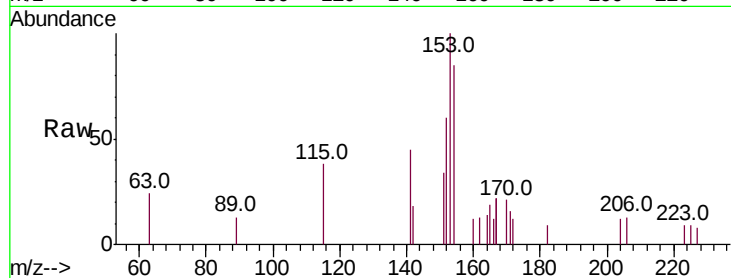
#17
Acenaphthene
Concen: 0.062 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.8	92.1	138.1
152	59.6	46.2	69.2

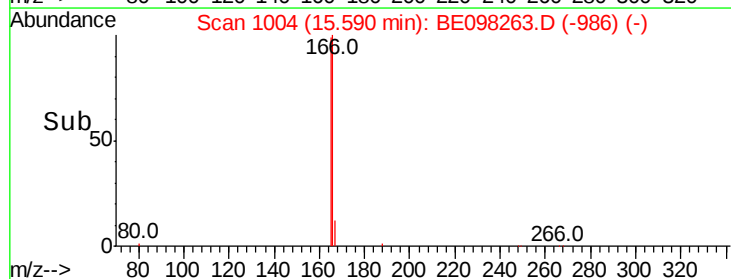
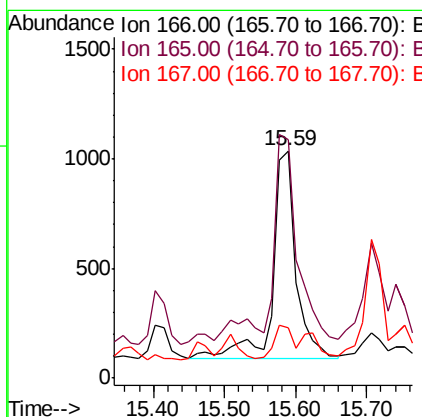
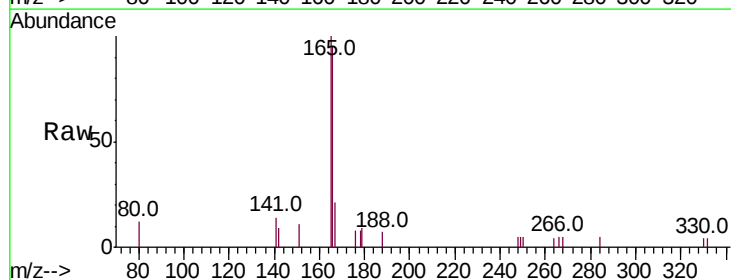
Manual Integrations
APPROVED

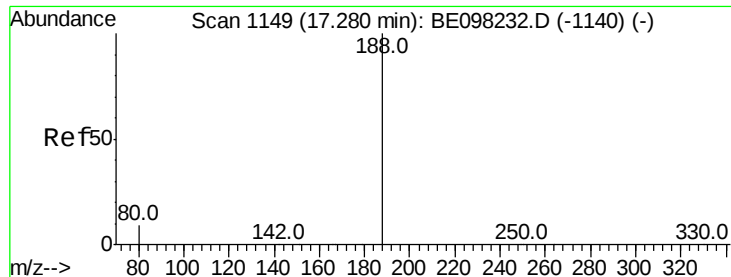
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#18
Fluorene
Concen: 0.130 ng
RT: 15.59 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.3	80.1	120.1
167	12.7	10.8	16.2





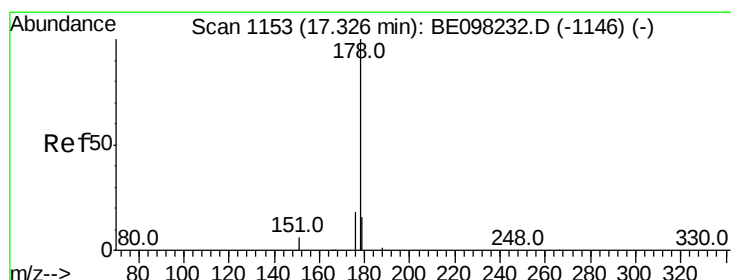
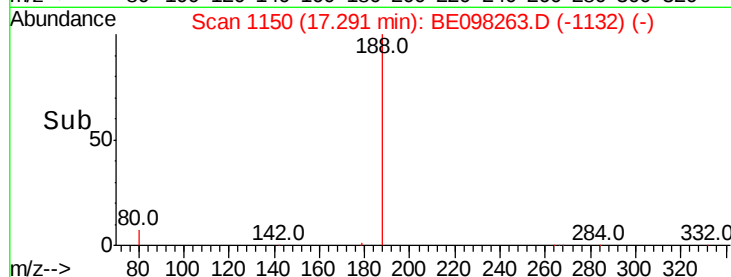
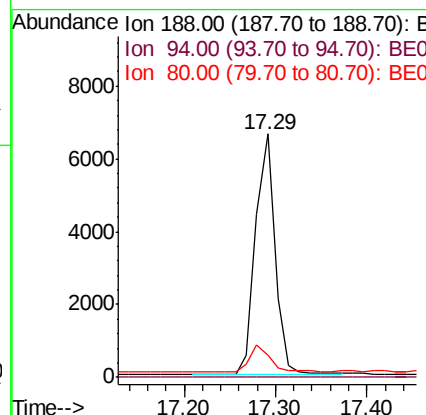
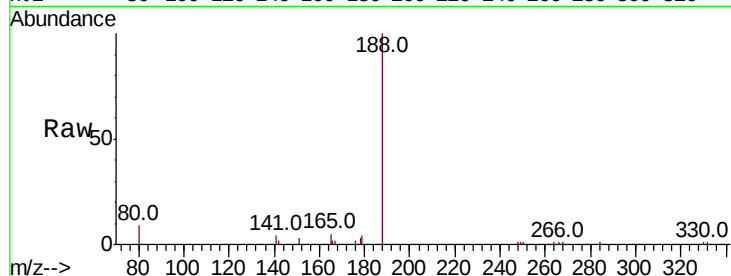
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	9881		
94	0.0	0.0	0.0	0.0
80	9.3	6.7	10.1	

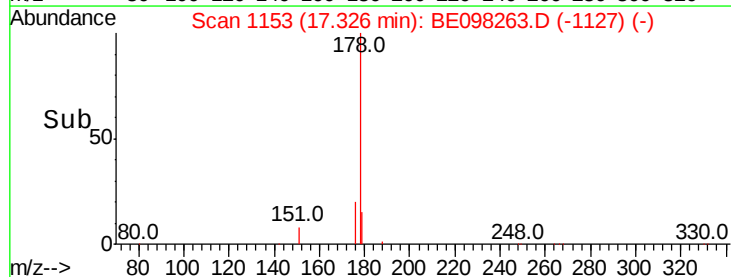
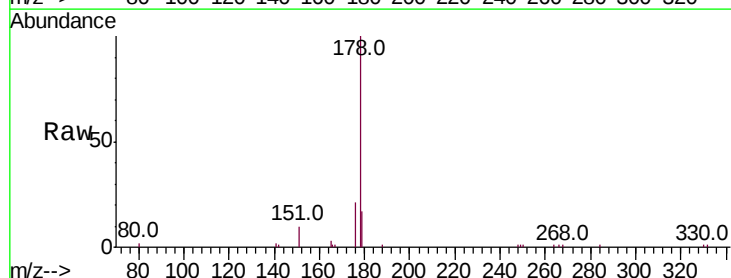
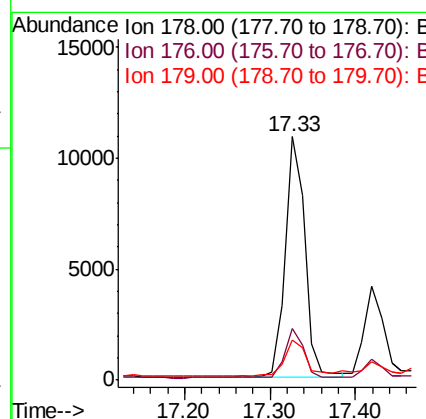
Manual Integrations
APPROVED

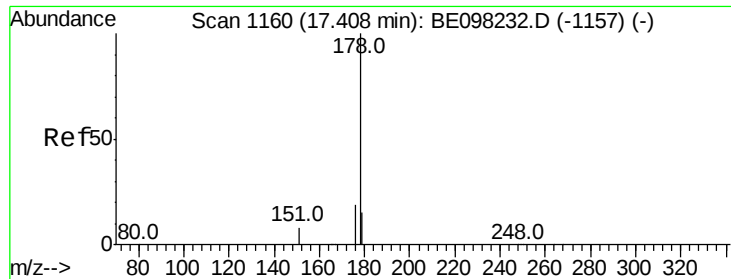
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#23
Phenanthrene
Concen: 0.680 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	17281		
176	19.2	15.8	23.8	
179	17.3	12.3	18.5	





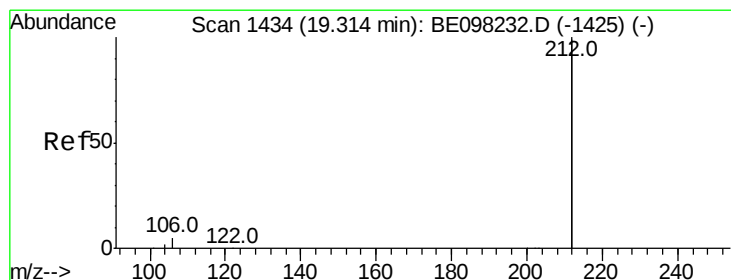
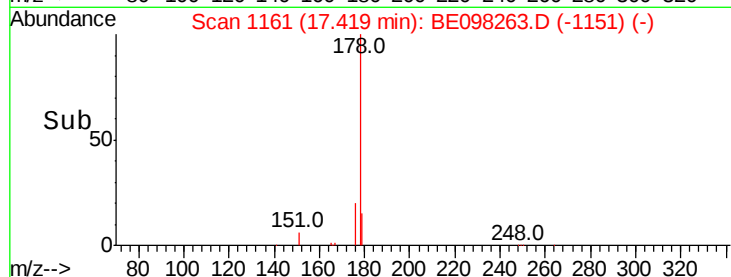
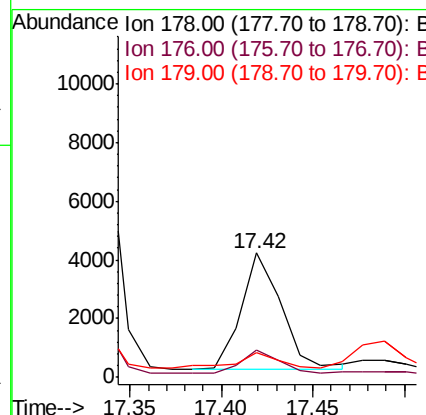
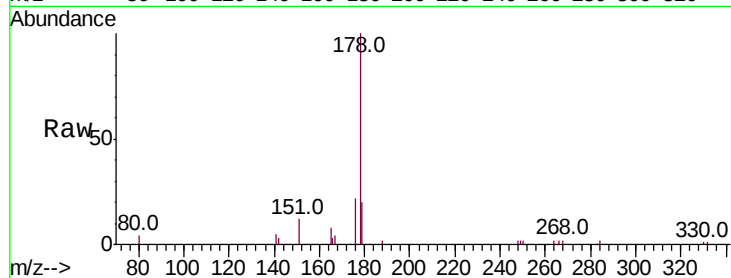
#24
 Anthracene
 Concen: 0.262 ng
 RT: 17.42 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Instrument :
 BNA_E
 ClientSampleID :
 AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	14.3	12.1	18.1

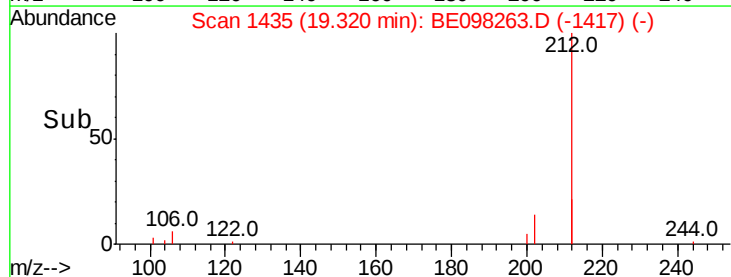
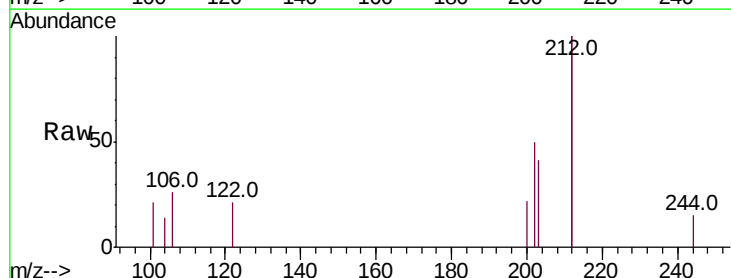
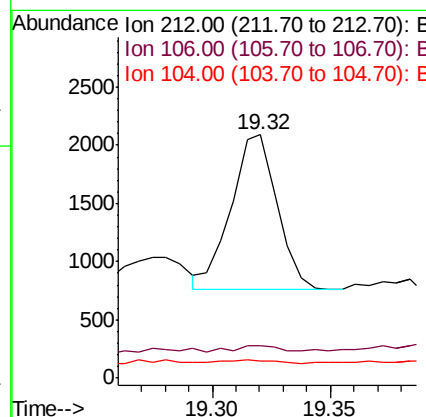
Manual Integrations
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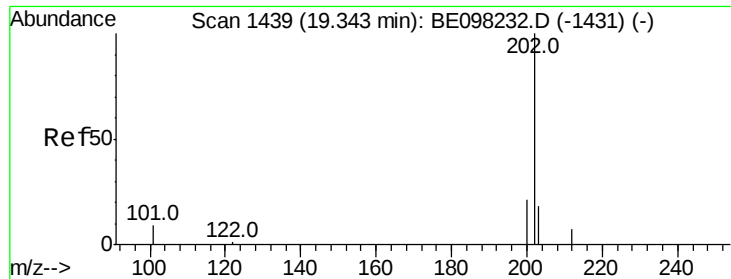
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.015 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.6	1.8	2.8#
104	2.2	1.1	1.7#





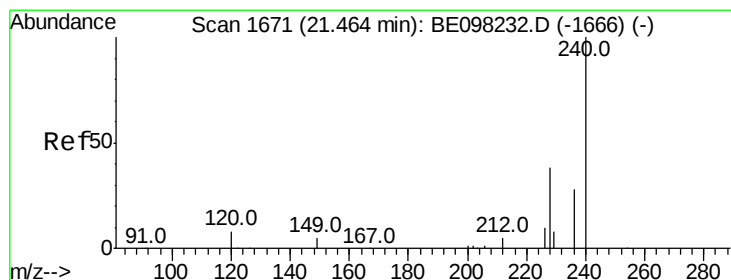
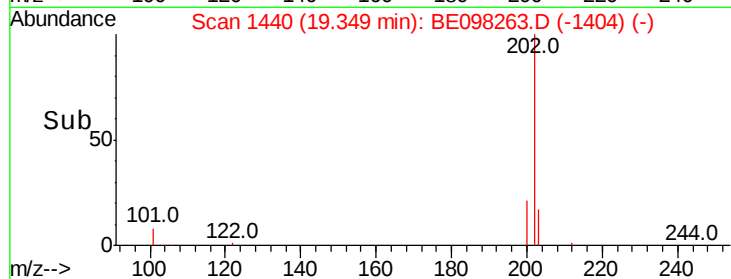
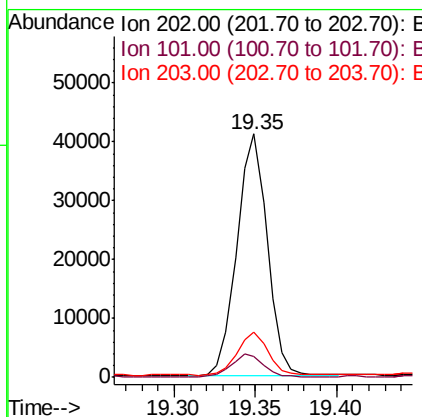
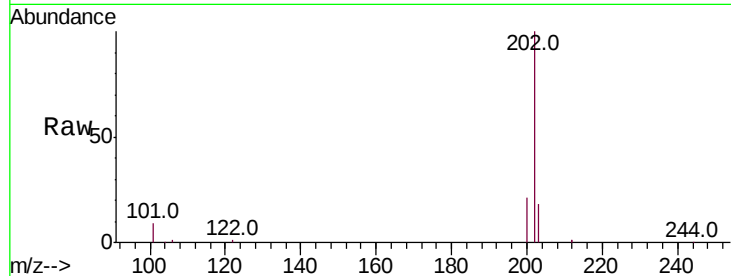
#26
Fluoranthene
 Concen: 1.749 ng
 RT: 19.35 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.0	10.6
203	17.7	13.7	20.5

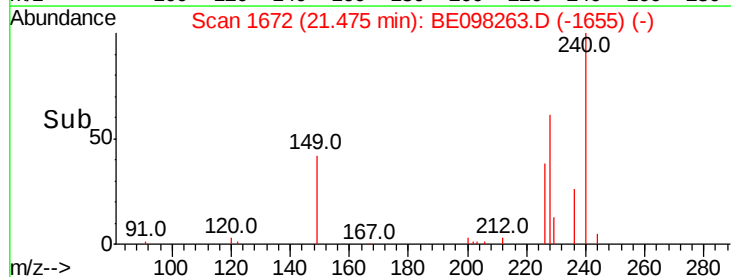
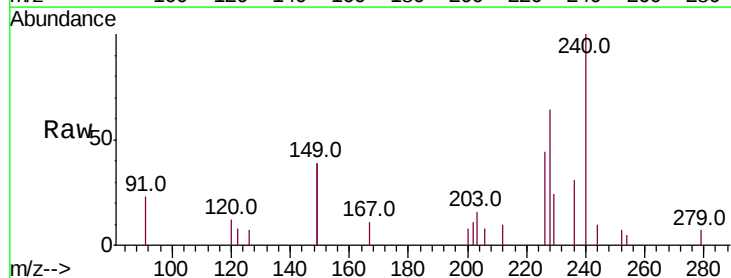
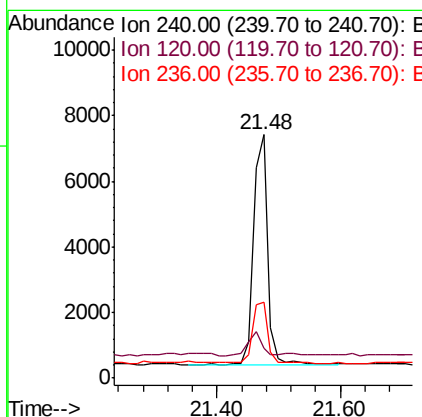
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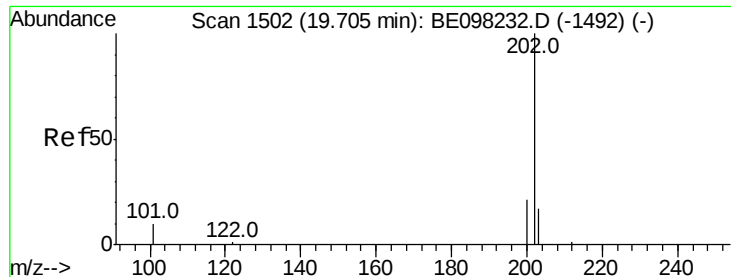
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.48 min Scan# 1672
 Delta R.T. 0.01 min
 Lab File: BE098263.D
 Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	4.8	7.2#
236	31.1	21.4	32.0





#28

Pvrene

Concen: 1.524 ng

RT: 19.71 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

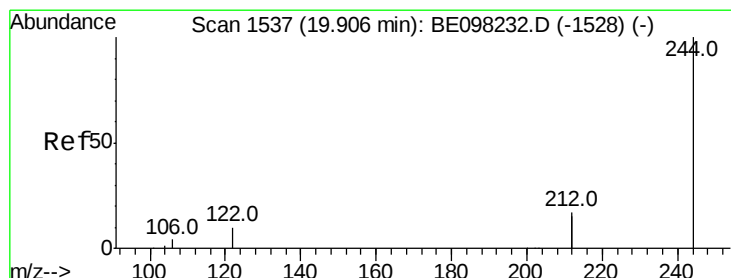
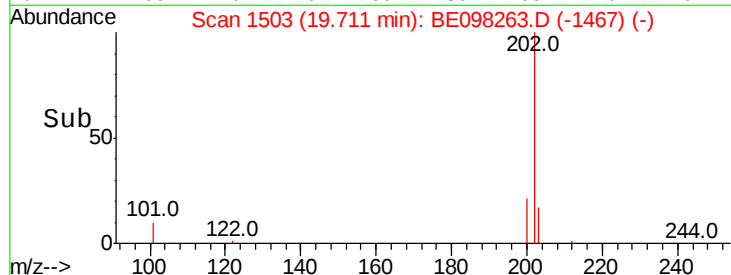
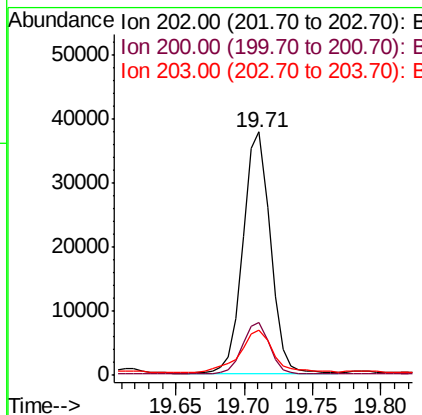
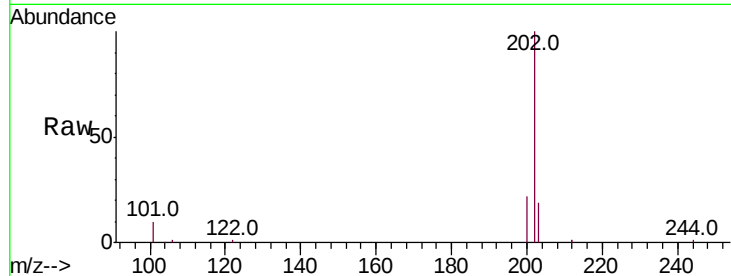
ClientSampleId :

AOC8-01R-ADL

Tot Ion:	202	Resp:	51825
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.2	25.8
203	20.8	14.2	21.4

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#29

Terphenyl-d14

Concen: 0.019 ng

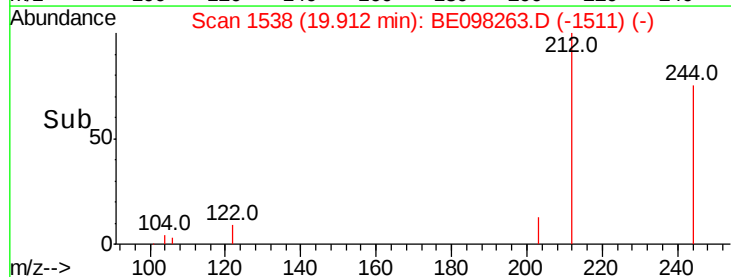
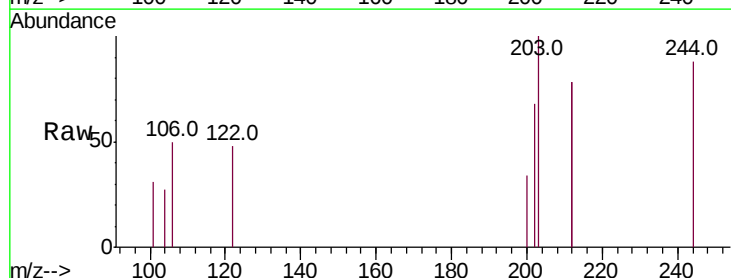
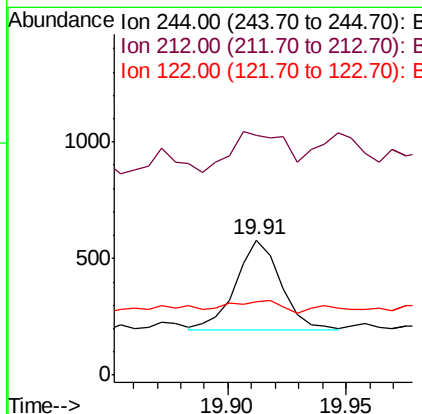
RT: 19.91 min Scan# 1538

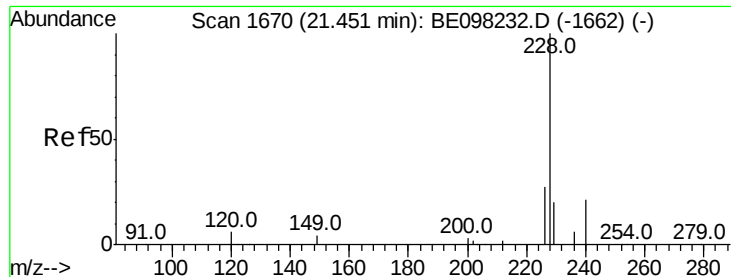
Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Tgt Ion:	244	Resp:	506
Ion Ratio	Lower	Upper	
244	100		
212	177.5	26.8	40.2#
122	54.6	7.0	10.6#





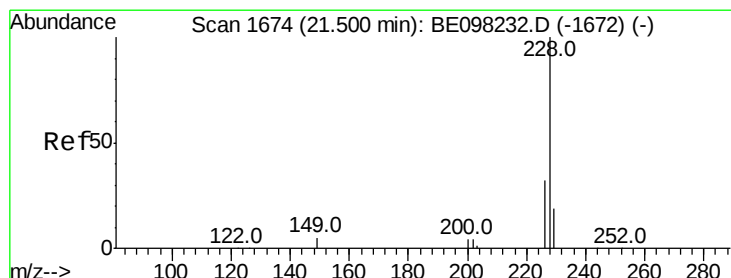
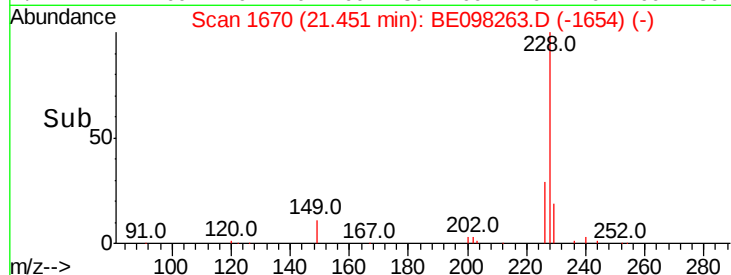
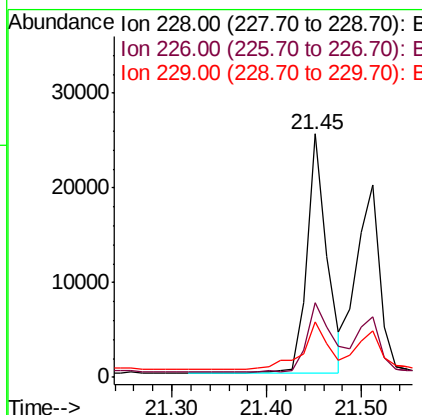
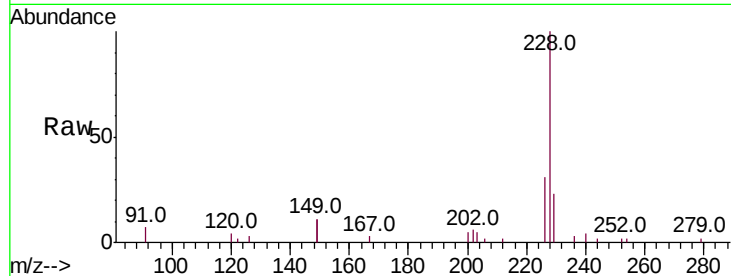
#30
Benzo(a)anthracene
Concen: 1.081 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	20.7	31.1
229	22.7	16.2	24.4

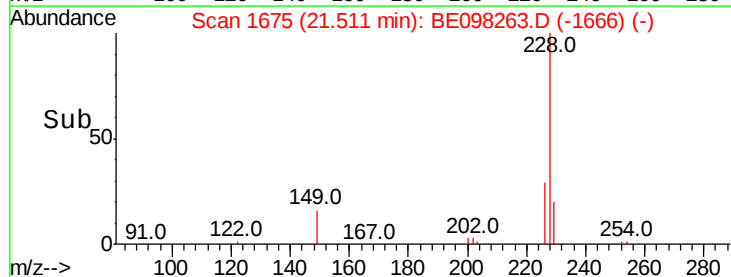
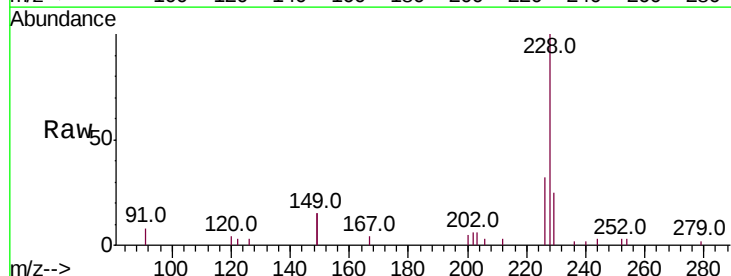
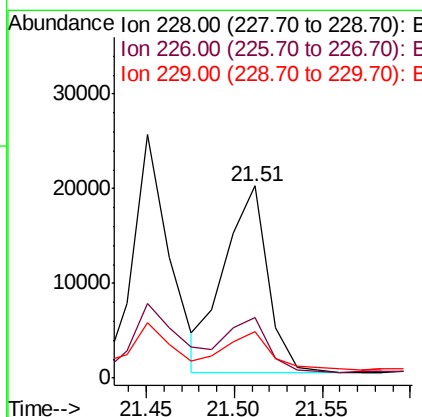
Manual Integrations
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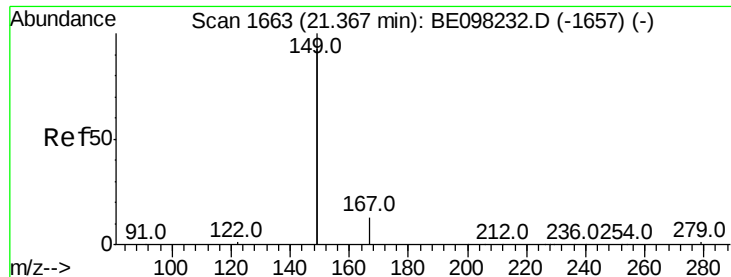
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#31
Chrysene
Concen: 0.970 ng m
RT: 21.51 min Scan# 1675
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.6	36.8
229	24.5	16.0	24.0





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.088 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Instrument :

BNA_E

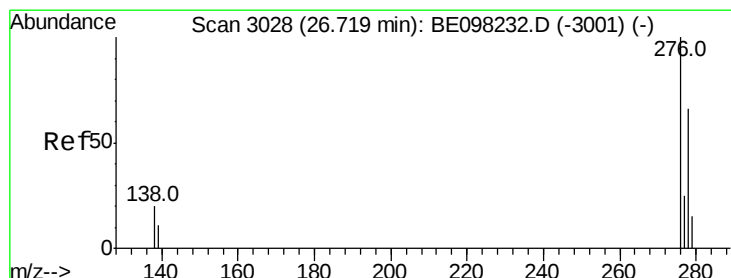
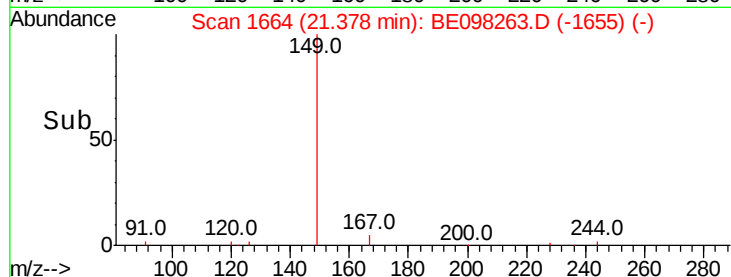
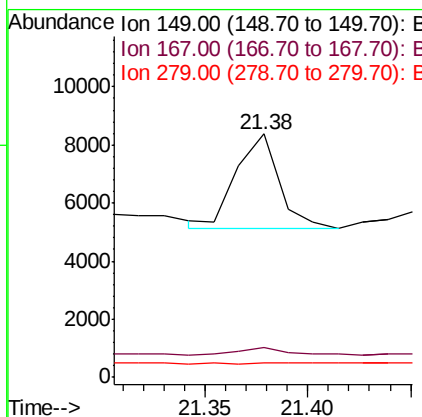
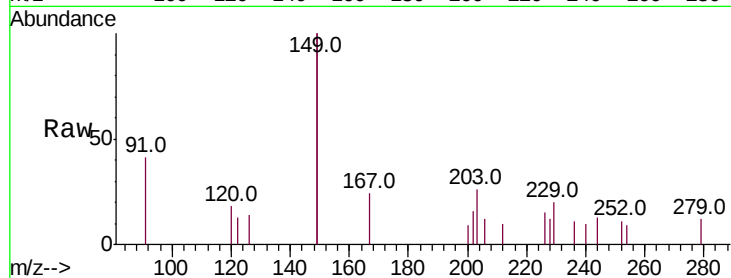
ClientSampleId :

AOC8-01R-ADL

Tot Ion:	149	Resp:	4632
Ion Ratio	Lower	Upper	
149	100		
167	9.7	5.6	8.4#
279	3.5	0.9	1.3#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.742 ng

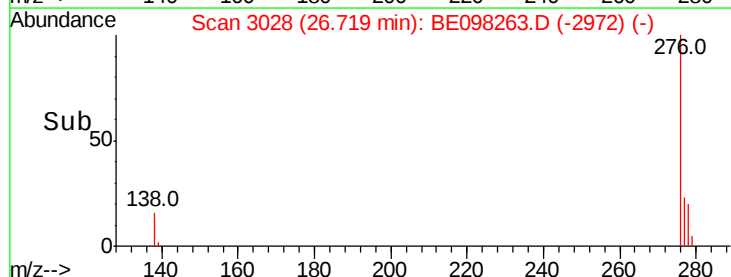
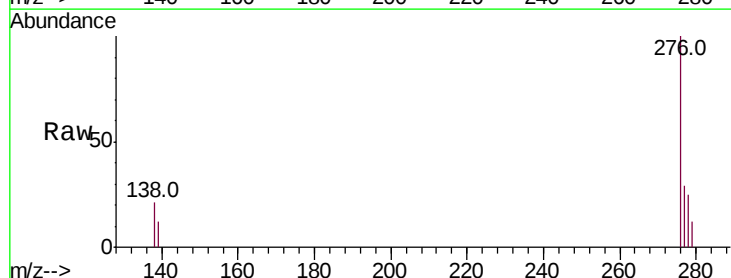
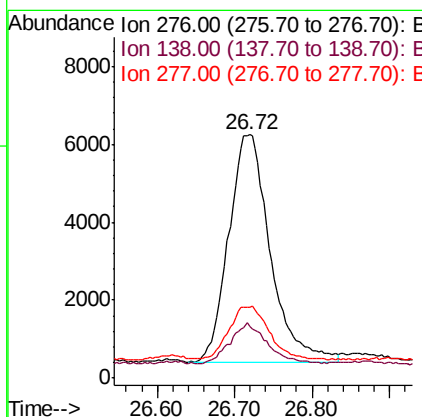
RT: 26.72 min Scan# 3028

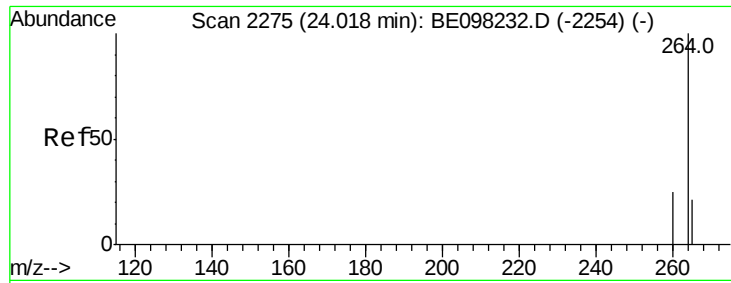
Delta R.T. 0.00 min

Lab File: BE098263.D

Acq: 21 Nov 2018 15:48

Tgt Ion:	276	Resp:	21989
Ion Ratio	Lower	Upper	
276	100		
138	15.7	6.4	9.6#
277	22.0	18.9	28.3





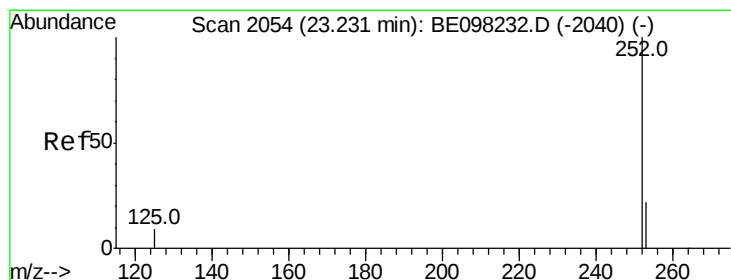
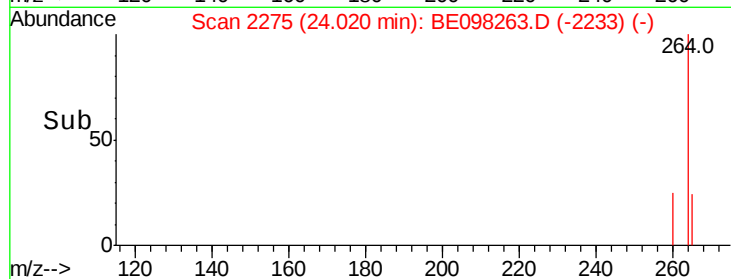
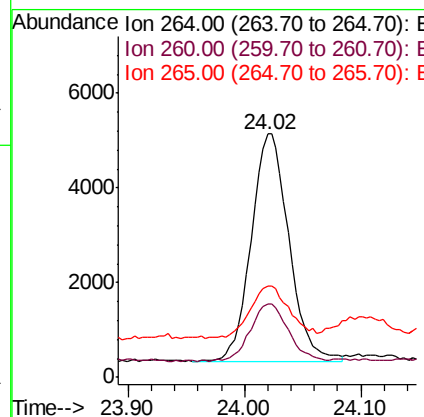
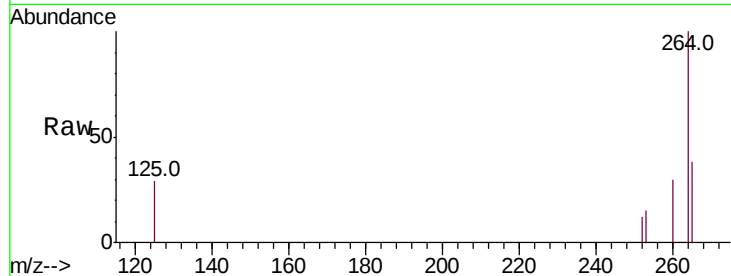
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.9	19.9	29.9#
265	37.7	21.3	31.9#

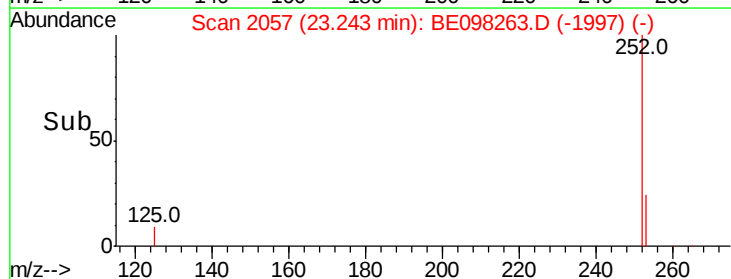
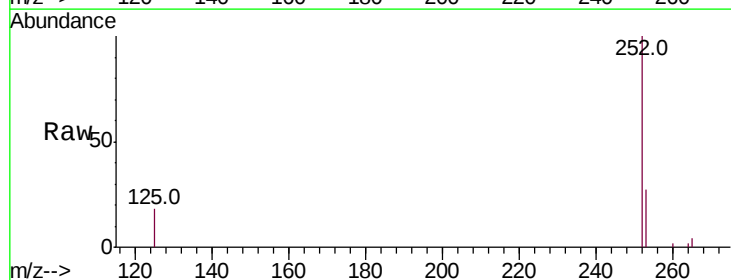
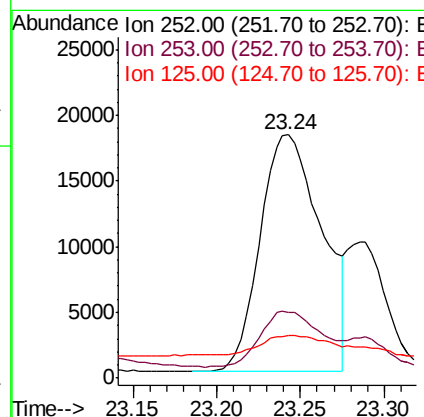
Manual Integrations
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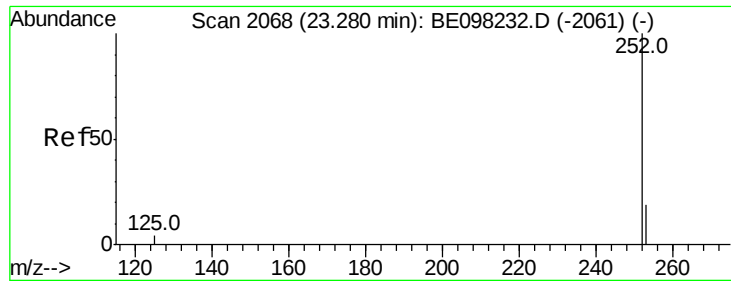
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#35
Benzo(b)fluoranthene
Concen: 1.515 ng
RT: 23.24 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.4	29.0
125	17.8	8.6	12.8#





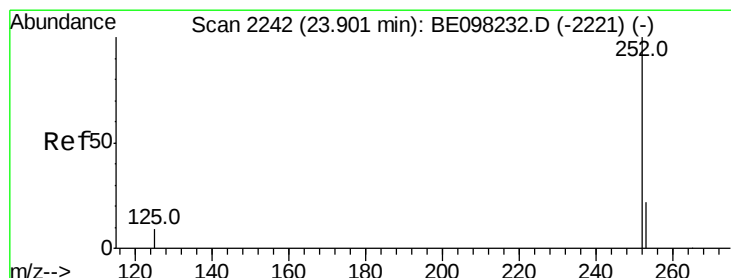
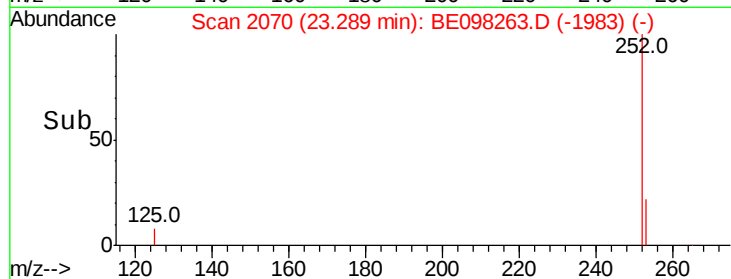
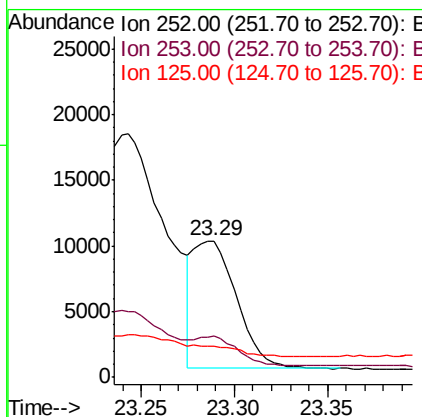
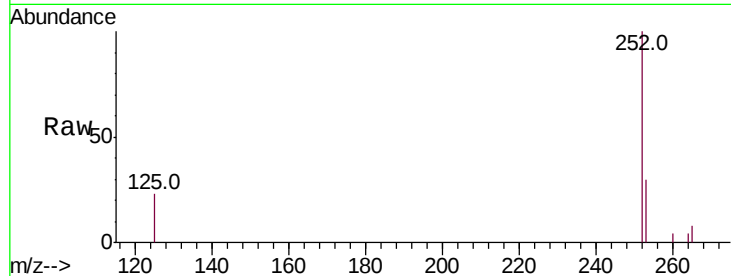
#36
Benzo(k)fluoranthene
Concen: 0.452 ng m
RT: 23.29 min Scan# 2070
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.6	28.0#
125	23.0	7.4	11.0#

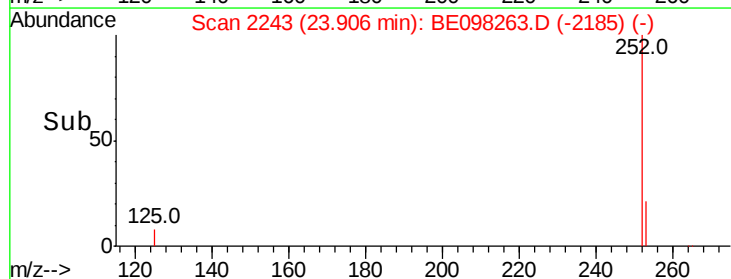
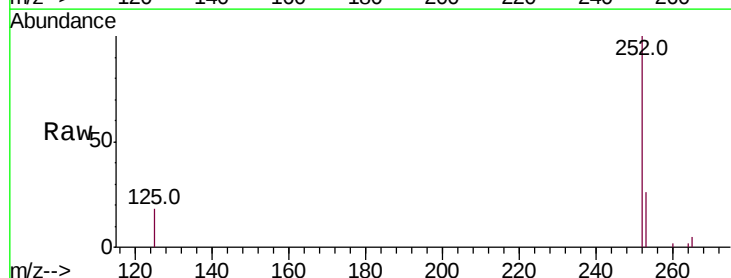
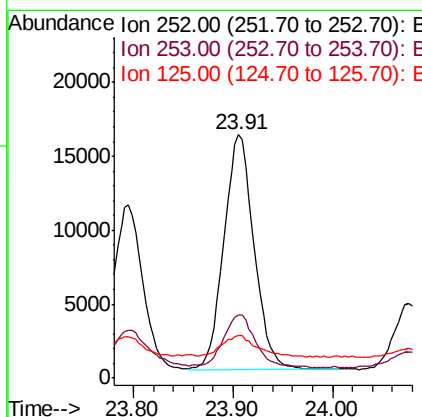
Manual Integrations
APPROVED

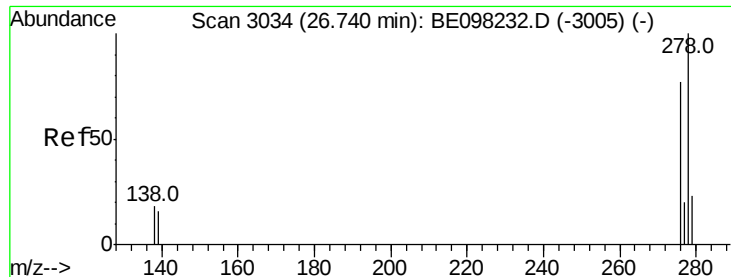
mohammad
11/23/2018 11:47:38 AM



#37
Benzo(a)pyrene
Concen: 1.113 ng
RT: 23.91 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.6	27.8
125	17.6	8.0	12.0#





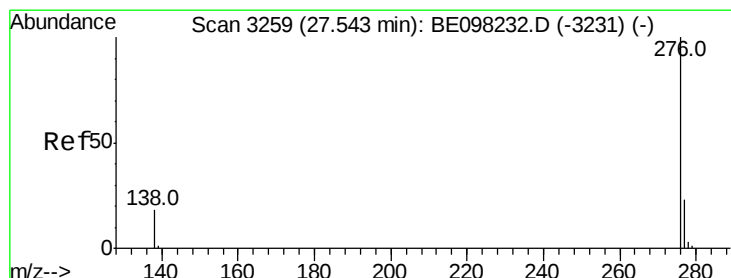
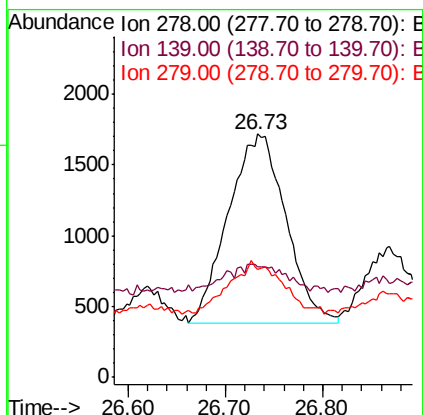
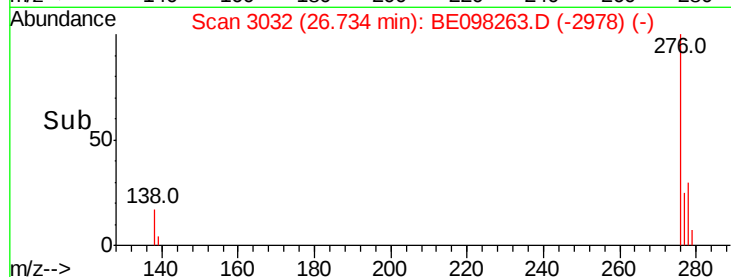
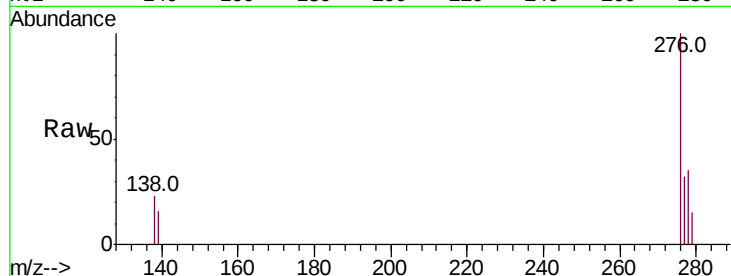
#38
Dibenzo(a,h)anthracene
Concen: 0.228 ng
RT: 26.73 min Scan# 3032
Delta R.T. -0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-ADL

Tot Ion	Ratio	Lower	Upper
278	100		
139	45.2	16.4	24.6#
279	44.4	21.3	31.9#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.750 ng
RT: 27.55 min Scan# 3261
Delta R.T. 0.01 min
Lab File: BE098263.D
Acq: 21 Nov 2018 15:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.3	20.4	30.6
138	21.3	13.2	19.8#

