

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\
 Data File : BE098248.D
 Acq On : 19 Nov 2018 11:48
 Operator : SJ/JU
 Sample : J5957-02DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 W-2DL

Manual Integrations
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Sohil
 11/20/2018 12:34:11 PM

Quant Time: Nov 19 12:39:49 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	7.86	152	1702	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	8182	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	5199	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	12186	0.40	ng	0.00
27) Chrysene-d12	21.46	240	13415	0.40	ng	0.00
34) Perylene-d12	24.01	264	12891	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	294	0.06	ng	0.00
5) Phenol-d6	7.04	99	300	0.04	ng	0.00
8) Nitrobenzene-d5	9.03	82	1044	0.14	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	1872	0.13	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	292	0.17	ng	-0.01
15) 2-Fluorobiphenyl	13.14	172	2930	0.13	ng	0.00
25) Fluoranthene-d10	19.31	212	18842	0.13	ng	0.00
29) Terphenyl-d14	19.91	244	3264	0.11	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.72	128	2700	0.032	ng	# 90
16) Acenaphthylene	14.25	152	1910	0.077	ng	# 88
17) Acenaphthene	14.59	154	22882	1.548	ng	# 99
18) Fluorene	15.57	166	4991	0.265	ng	# 97
23) Phenanthrene	17.32	178	4052	0.129	ng	# 97
24) Anthracene	17.41	178	4302	0.151	ng	# 97
26) Fluoranthene	19.34	202	13338	0.354	ng	# 98
28) Pyrene	19.70	202	12887	0.329	ng	# 94
30) Benzo(a)anthracene	21.45	228	5360m	0.138	ng	
31) Chrysene	21.50	228	6017m	0.151	ng	
32) Bis(2-ethylhexyl)phthalate	21.37	149	8388	0.139	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.69	276	4796	0.140	ng	# 92
35) Benzo(b)fluoranthene	23.23	252	7298	0.200	ng	# 89
36) Benzo(k)fluoranthene	23.27	252	3153m	0.077	ng	
37) Benzo(a)pyrene	23.89	252	5771	0.161	ng	# 89
38) Dibenzo(a,h)anthracene	26.71	278	1320	0.046	ng	# 61
39) Benzo(a,h,i)perylene	27.53	276	5629	0.182	ng	# 96

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

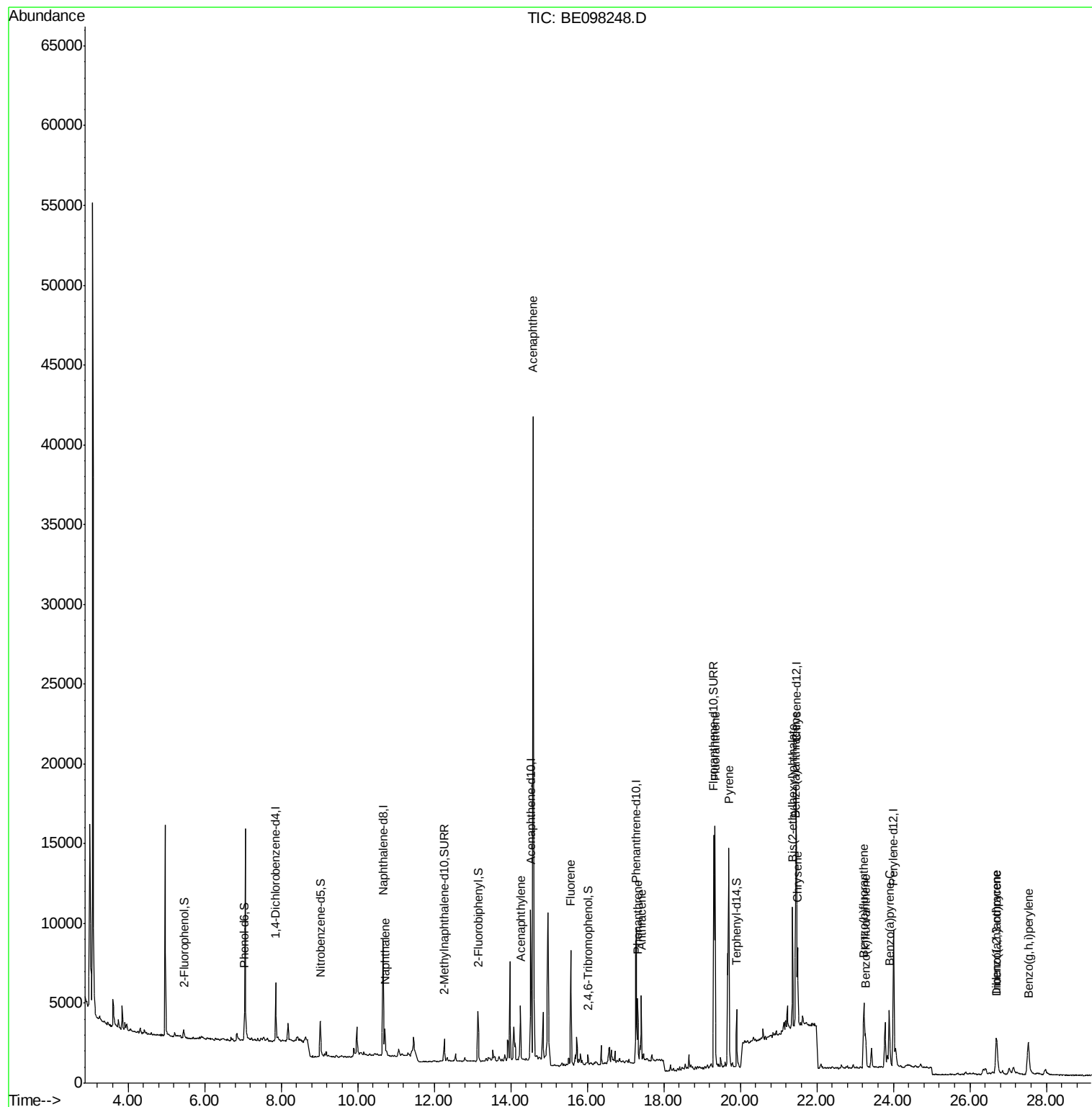
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\
Data File : BE098248.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

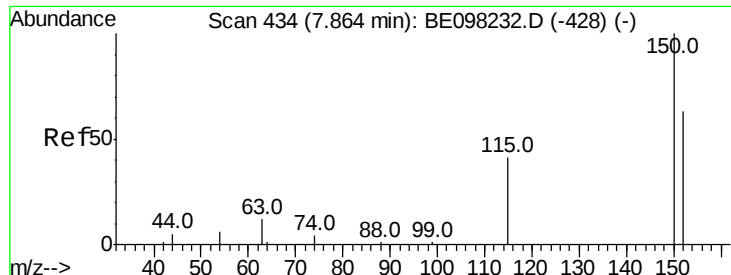
Instrument :
BNA_E
ClientSampleId :
W-2DL

Quant Time: Nov 19 12:39:49 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
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#1

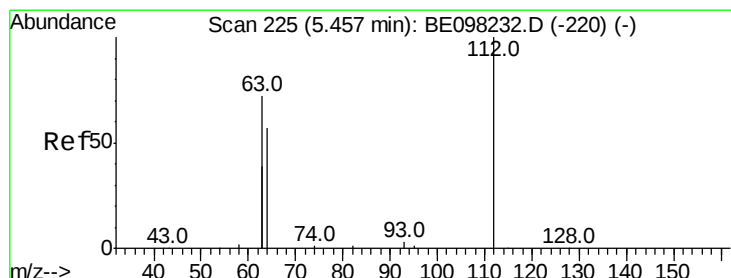
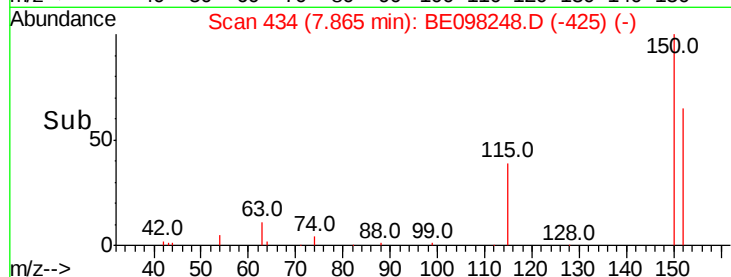
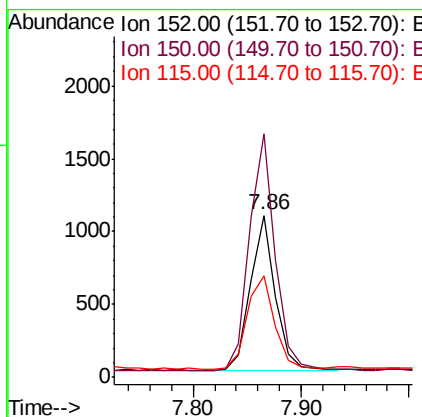
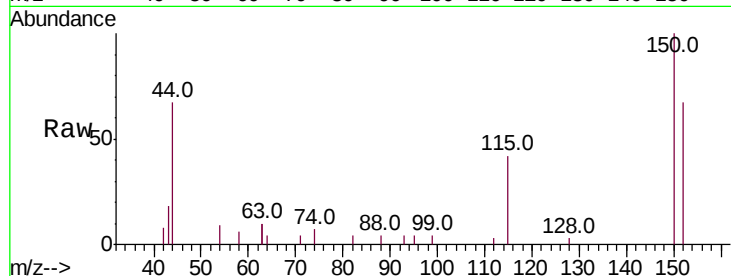
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Instrument :
BNA_E
ClientSampleId :
W-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	127.5	191.3
115	62.6	60.3	90.5

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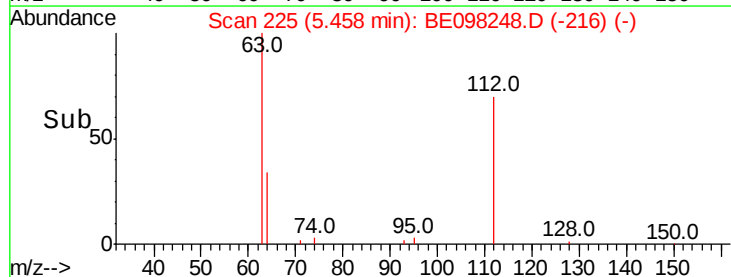
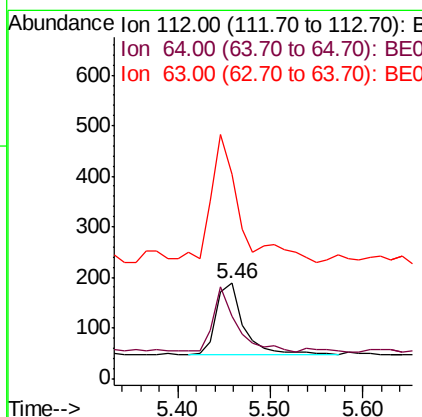
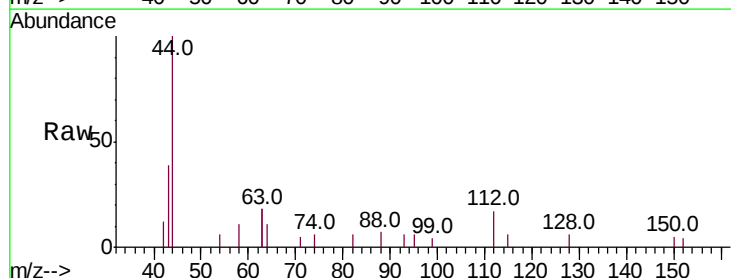
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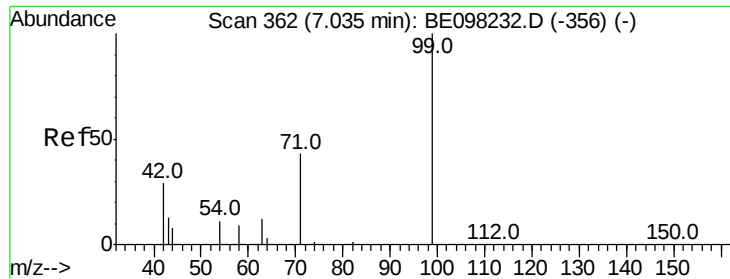


#4

2-Fluorophenol
Concen: 0.064 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.5	61.7	92.5
63	147.6	136.2	204.2





#5

Phenol-d6

Concen: 0.042 ng

RT: 7.04 min Scan# 362

Delta R.T. 0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

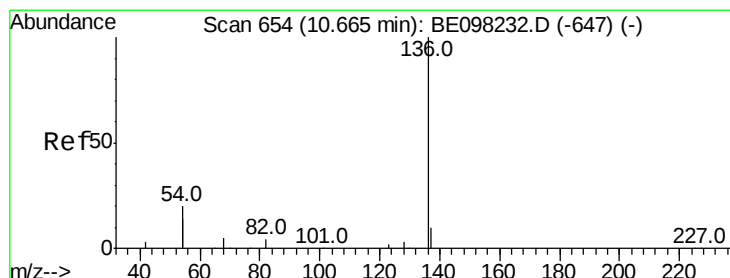
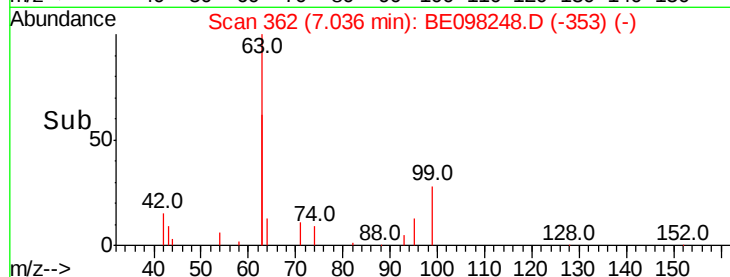
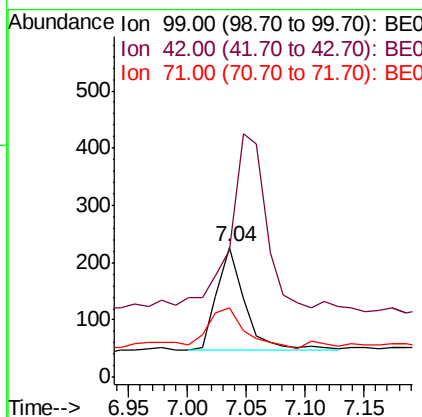
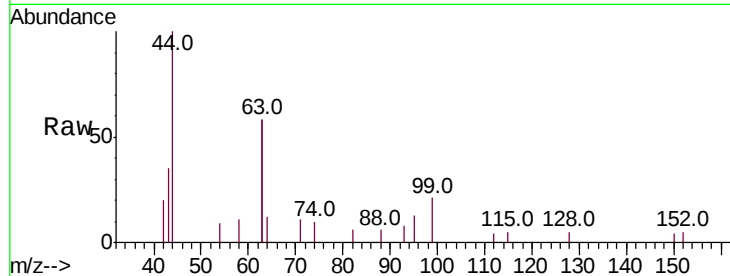
ClientSampled :

W-2DL

Tot Ion:	99	Resp:	300
Ion	Ratio	Lower	Upper
99	100		
42	211.0	27.1	40.7#
71	60.0	37.0	55.6#

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

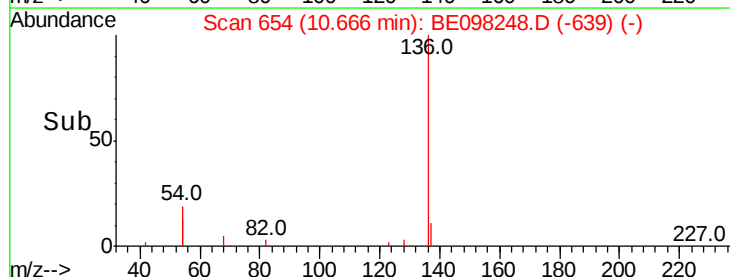
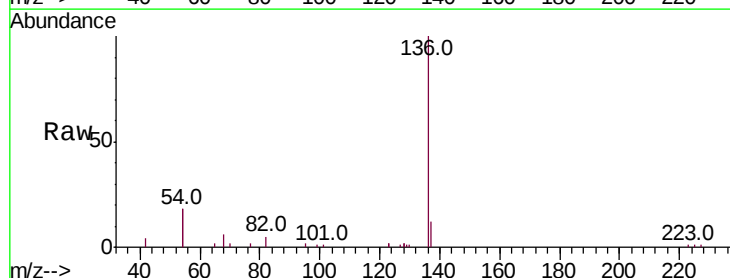
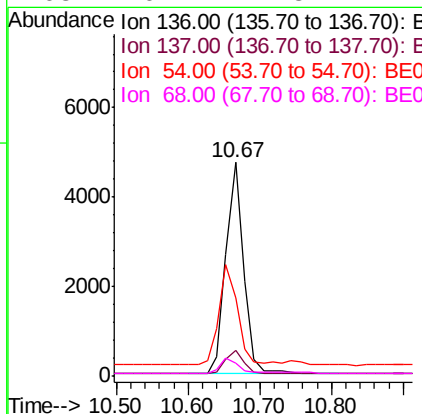
RT: 10.67 min Scan# 654

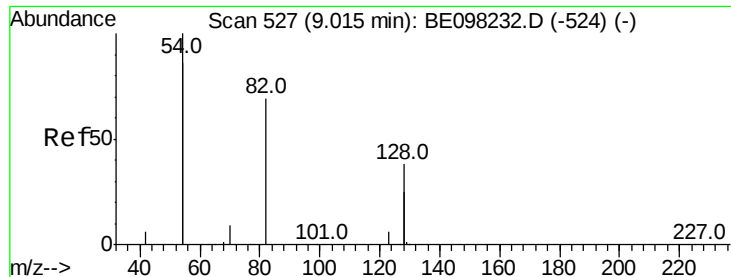
Delta R.T. 0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Tgt Ion:	136	Resp:	8182
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	36.8	31.3	46.9
68	6.1	4.8	7.2





#8

Nitrobenzene-d5

Concen: 0.135 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

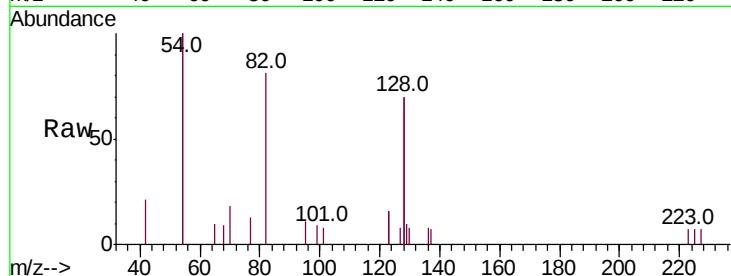
ClientSampled :

W-2DL

Tot Ion	82	Resp	1044
Ion	Ratio	Lower	Upper
82	100		
128	173.0	96.1	144.1#
54	246.2	232.0	348.0

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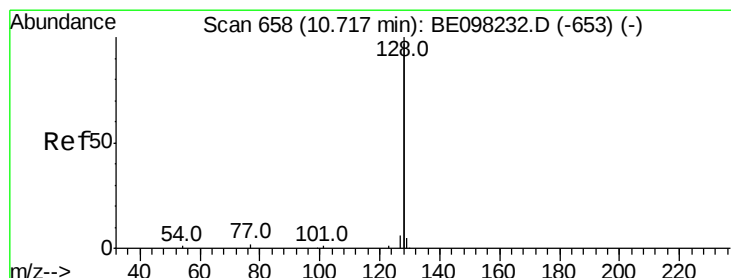
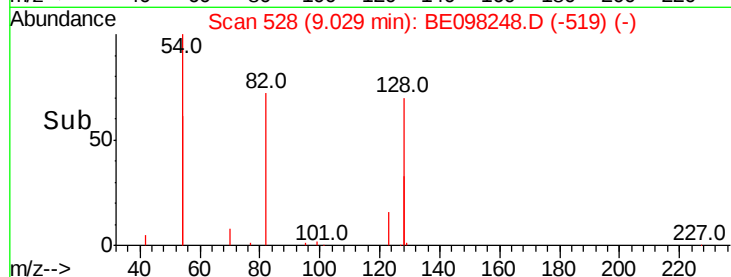
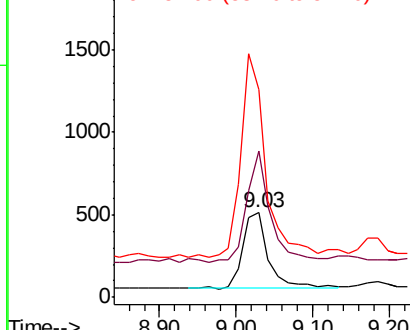


Abundance

Ion 82.00 (81.70 to 82.70): BE098232.D (-524) (-)

Ion 128.00 (127.70 to 128.70): BE098232.D (-524) (-)

Ion 54.00 (53.70 to 54.70): BE098232.D (-524) (-)



#9

Naphthalene

Concen: 0.032 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

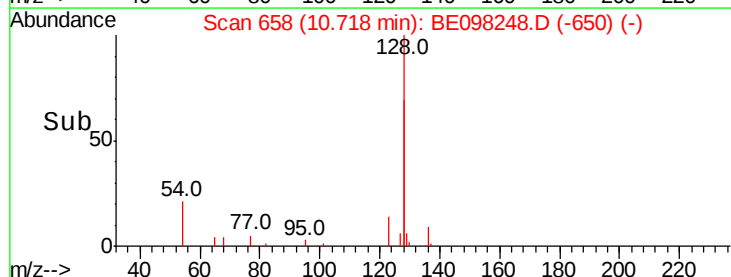
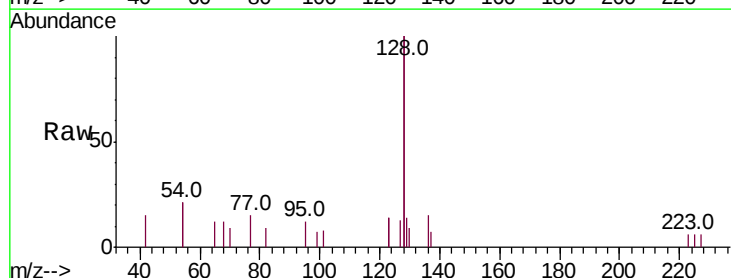
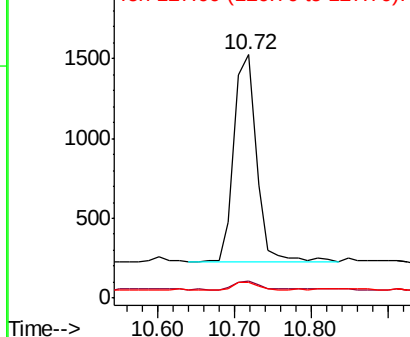
Tgt Ion	128	Resp	2700
Ion	Ratio	Lower	Upper
128	100		
129	6.8	2.6	4.0#
127	6.6	2.8	4.2#

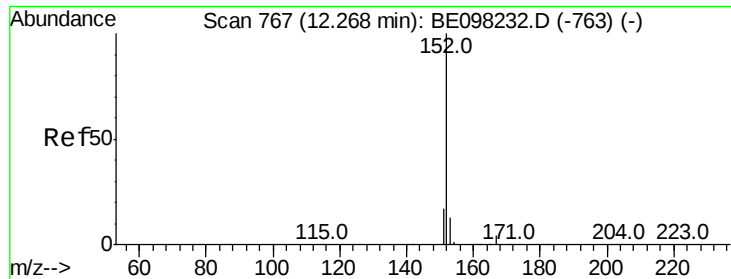
Abundance

Ion 128.00 (127.70 to 128.70): BE098232.D (-653) (-)

Ion 129.00 (128.70 to 129.70): BE098232.D (-653) (-)

Ion 127.00 (126.70 to 127.70): BE098232.D (-653) (-)





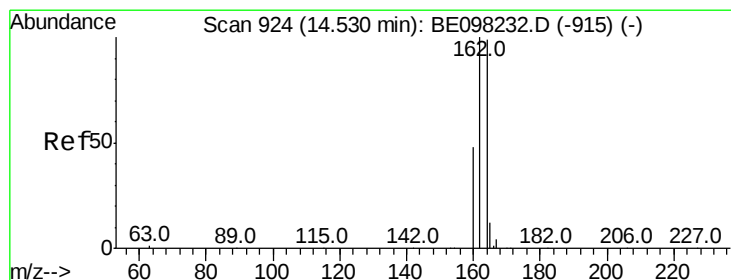
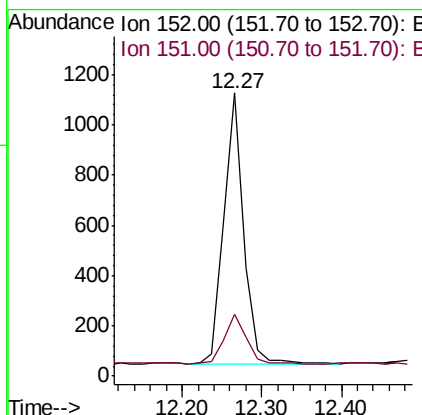
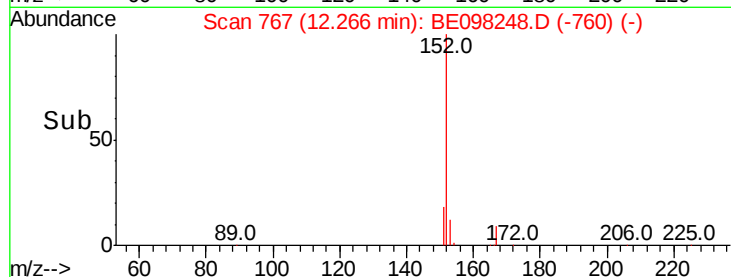
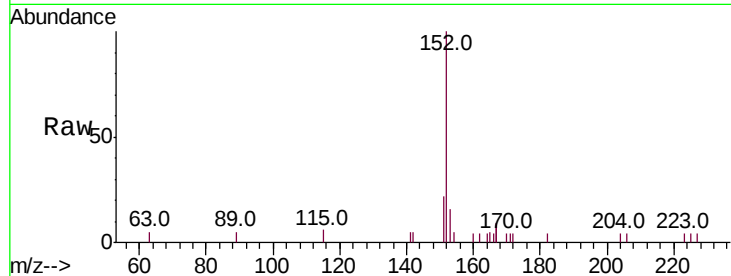
#11
 2-Methylnaphthalene-d10
 Concen: 0.130 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Instrument :
 BNA_E
 ClientSampled :
 W-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.4	23.2

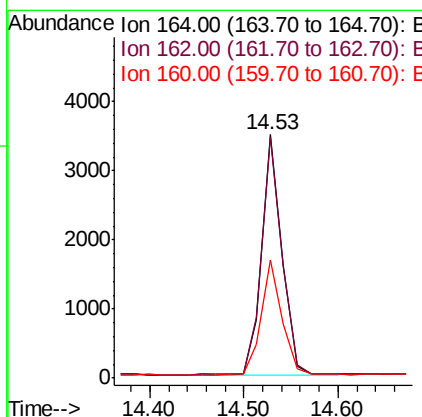
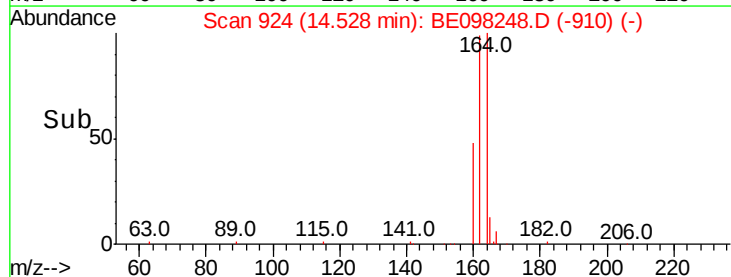
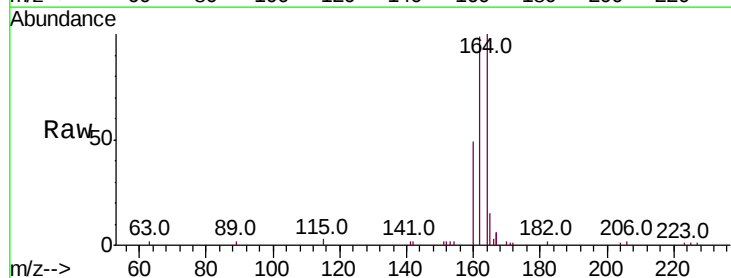
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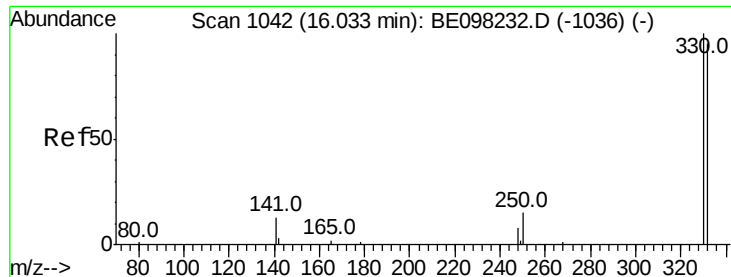
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.8	122.6
160	48.6	39.4	59.0





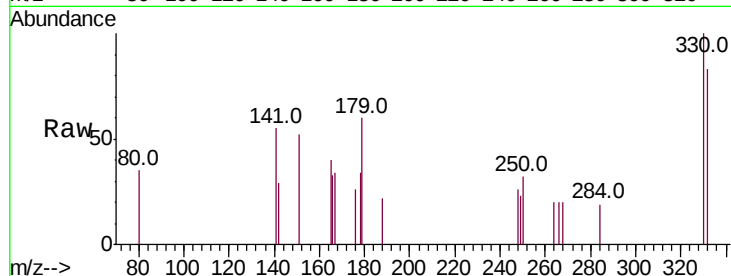
#14
 2,4,6-Tribromophenol
 Concen: 0.174 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Instrument :
 BNA_E
 ClientSampled :
 W-2DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.8	77.7	116.5
141	54.5	33.6	50.4

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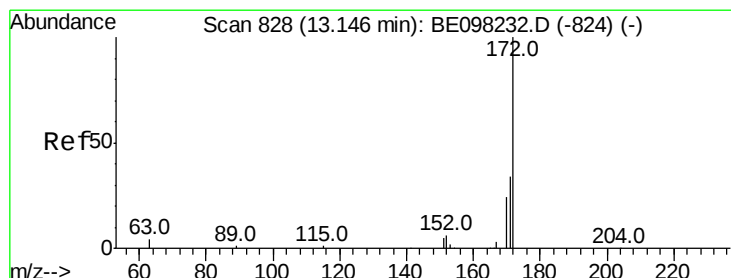
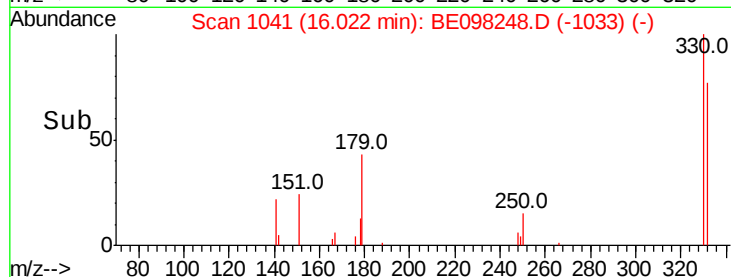
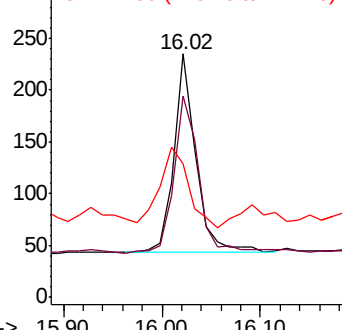


Abundance

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: 0.130 ng
 RT: 13.14 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

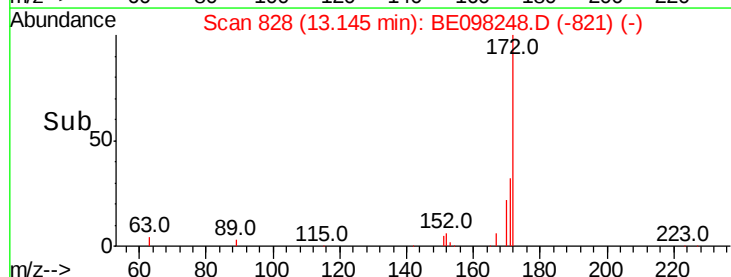
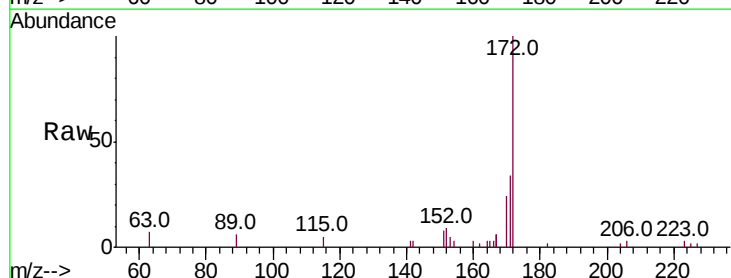
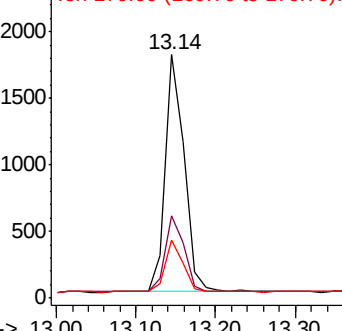
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.3	40.9
170	24.0	19.4	29.0

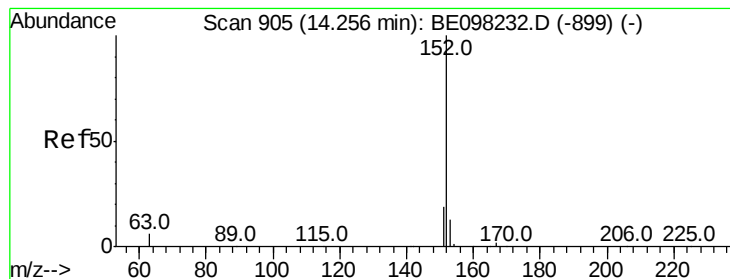
Abundance

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: 0.077 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

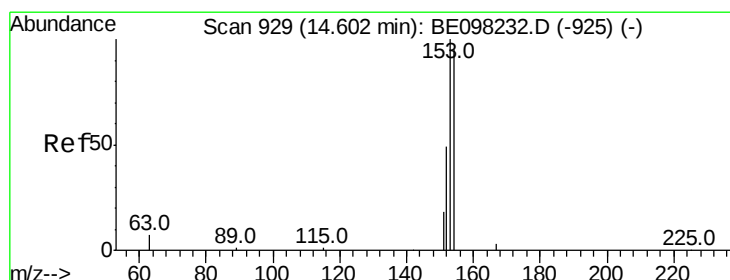
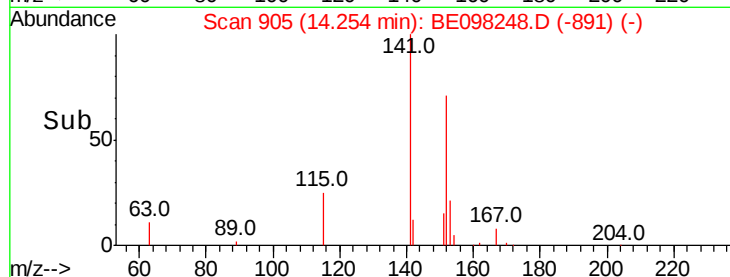
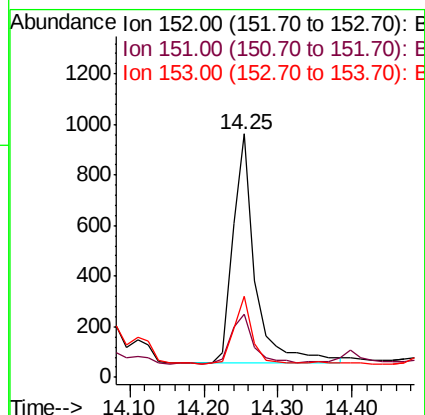
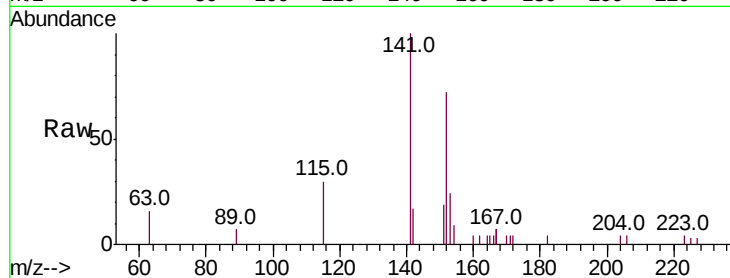
ClientSampled :

W-2DL

Tot Ion:	152	Resp:	1910
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.4	24.6
153	23.4	10.6	15.8#

Manual Integrations
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#17

Acenaphthene

Concen: 1.548 ng

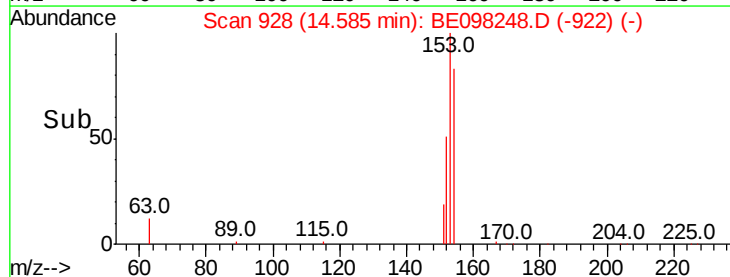
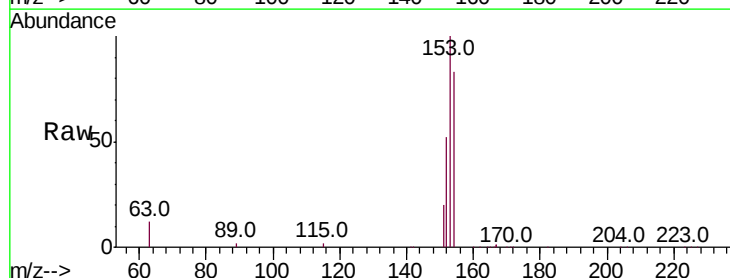
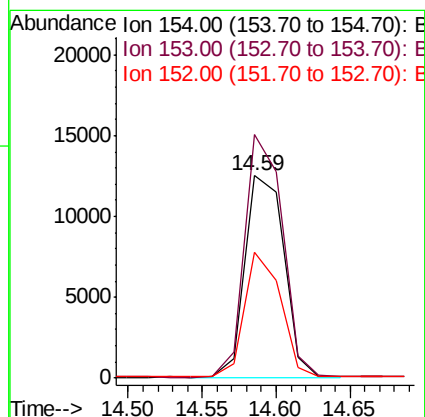
RT: 14.59 min Scan# 928

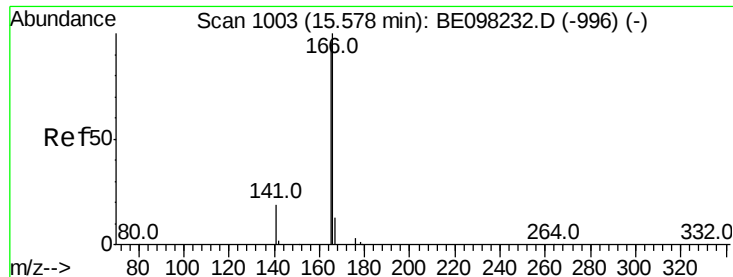
Delta R.T. -0.02 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Tgt Ion:	154	Resp:	22882
Ion Ratio	Lower	Upper	
154	100		
153	116.2	92.1	138.1
152	57.7	46.2	69.2





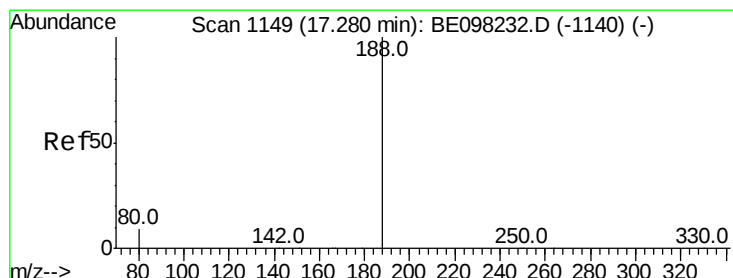
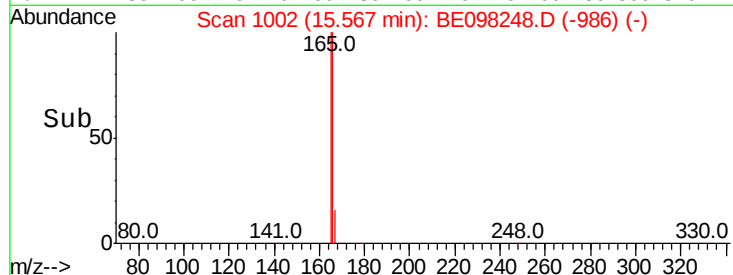
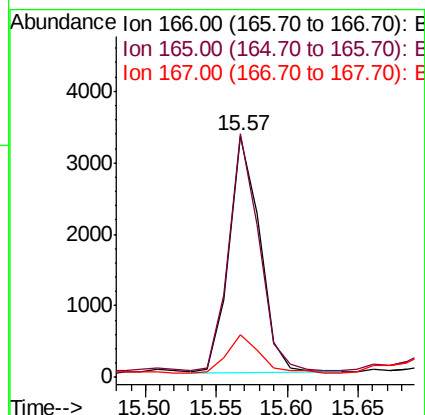
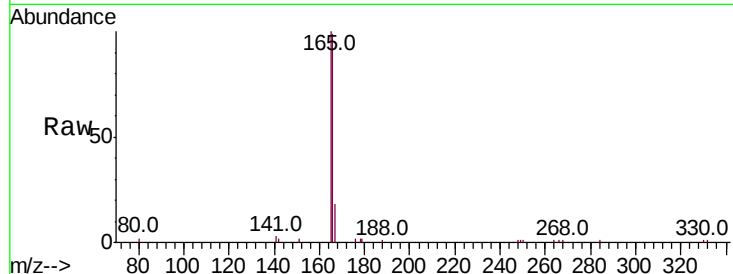
#18
 Fluorene
 Concen: 0.265 ng
 RT: 15.57 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Instrument :
 BNA_E
 ClientSampleId :
 W-2DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	80.1	120.1
167	17.8	10.8	16.2

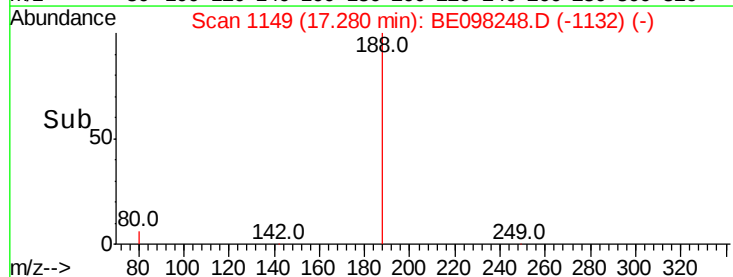
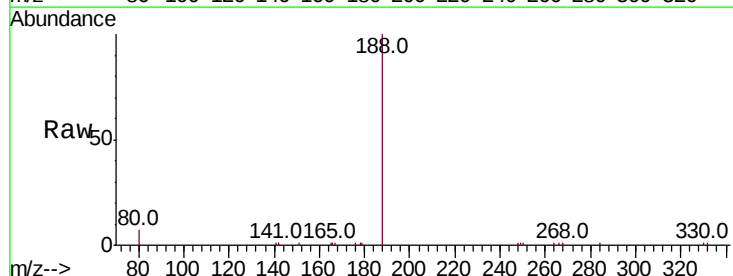
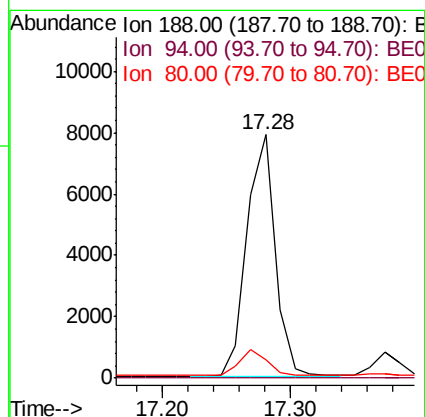
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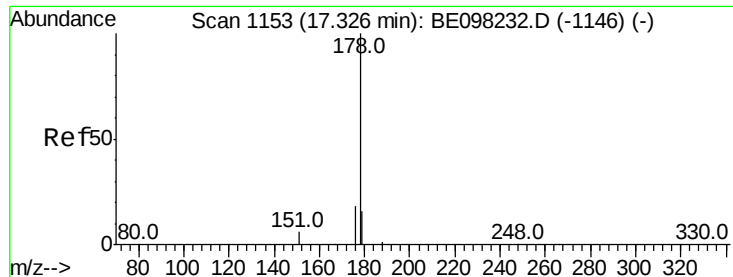
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.28 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.7	10.1





#23

Phenanthrene

Concen: 0.129 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

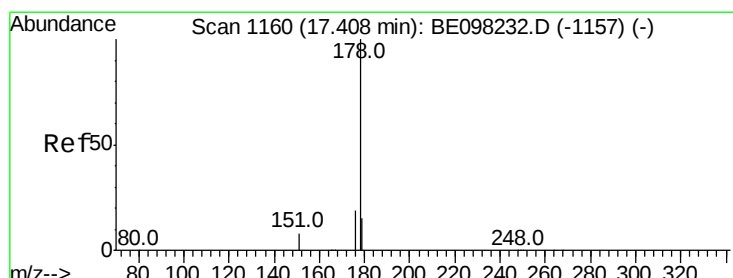
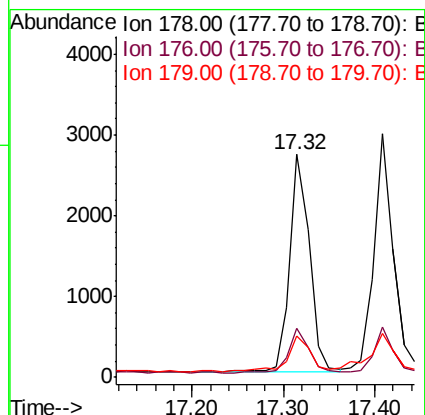
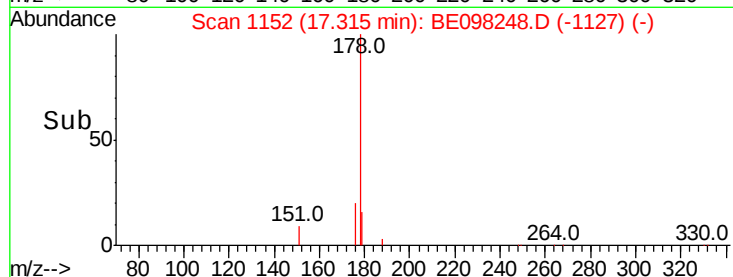
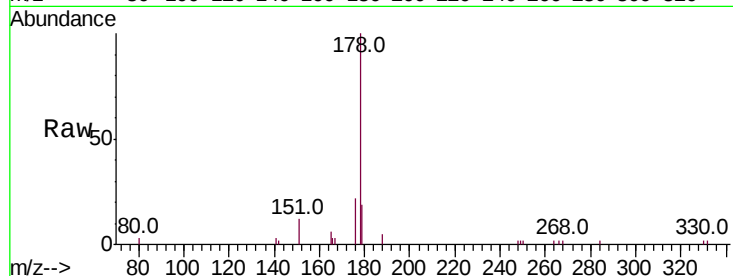
ClientSampled :

W-2DL

Tot Ion:	178	Resp:	4052
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	17.6	12.3	18.5

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#24

Anthracene

Concen: 0.151 ng

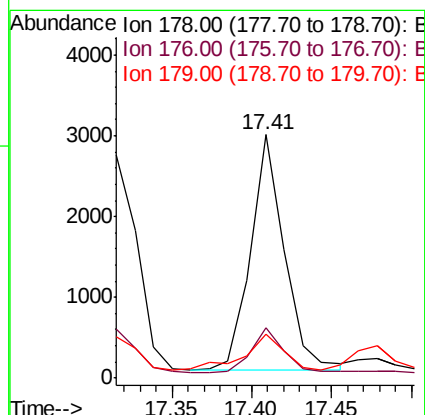
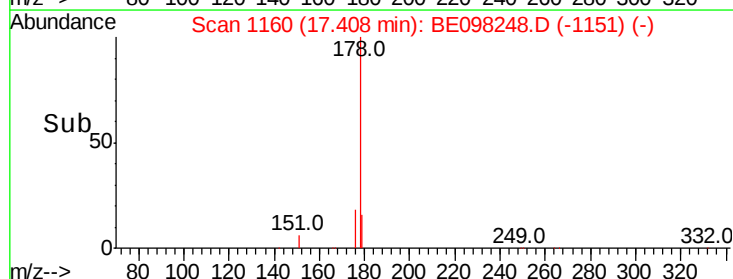
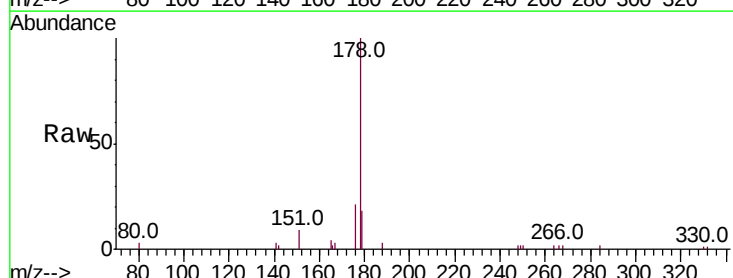
RT: 17.41 min Scan# 1160

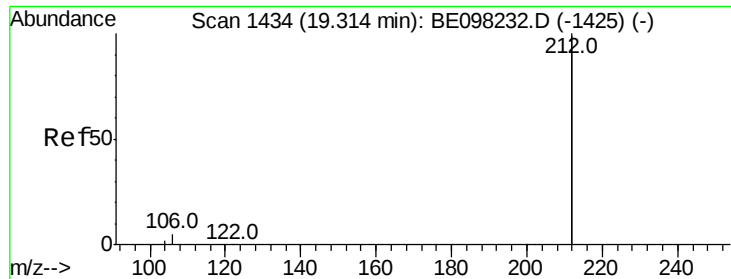
Delta R.T. 0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Tgt Ion:	178	Resp:	4302
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.7	23.5
179	17.4	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.127 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

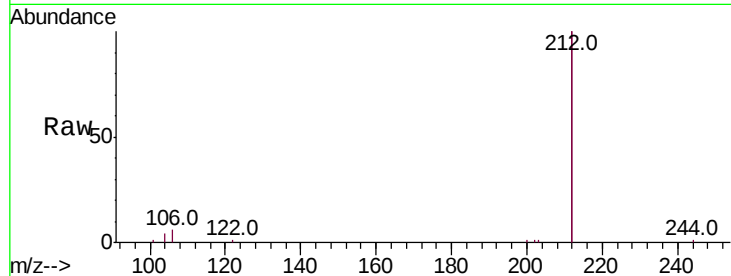
ClientSampleId :

W-2DL

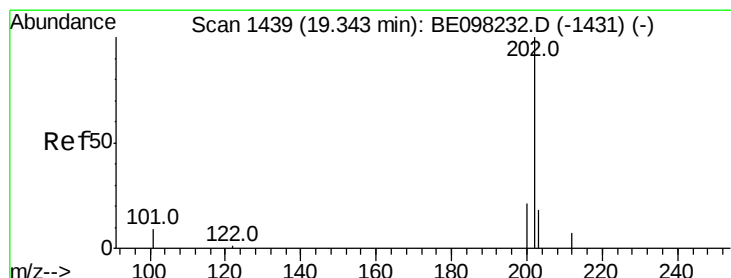
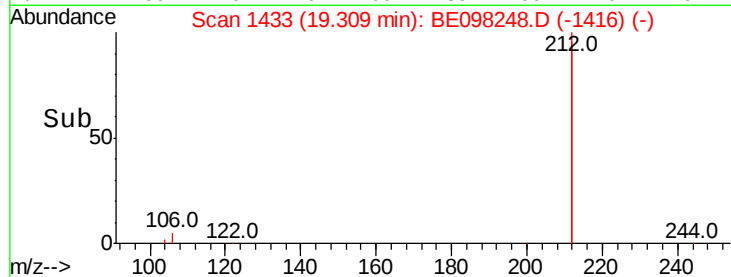
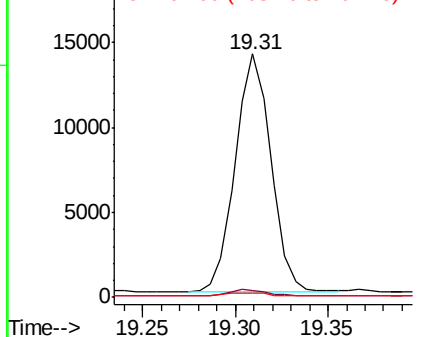
Tot Ion:	212	Resp:	18842
Ion Ratio	Lower	Upper	
212	100		
106	2.7	1.8	2.8
104	1.6	1.1	1.7

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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: 0.354 ng

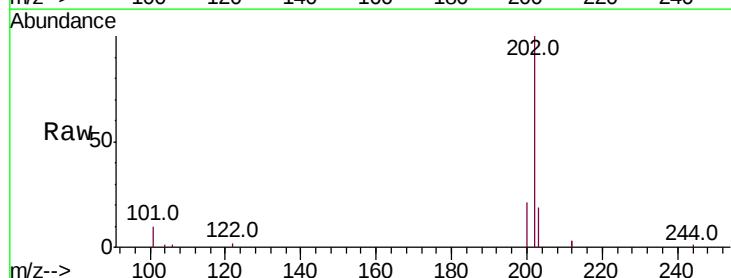
RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

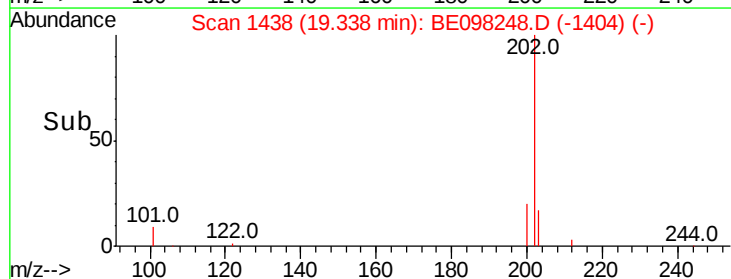
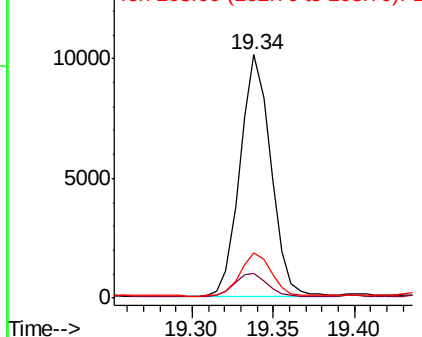
Lab File: BE098248.D

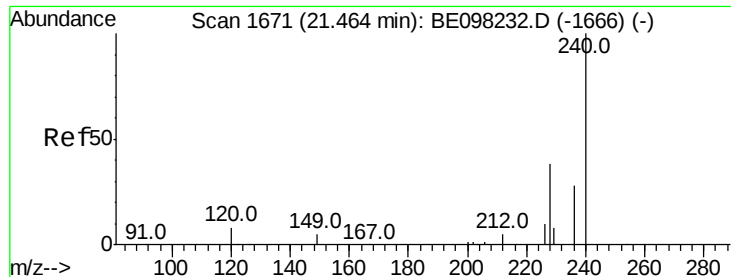
Acq: 19 Nov 2018 11:48

Tgt Ion:	202	Resp:	13338
Ion Ratio	Lower	Upper	
202	100		
101	10.2	7.0	10.6
203	17.9	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

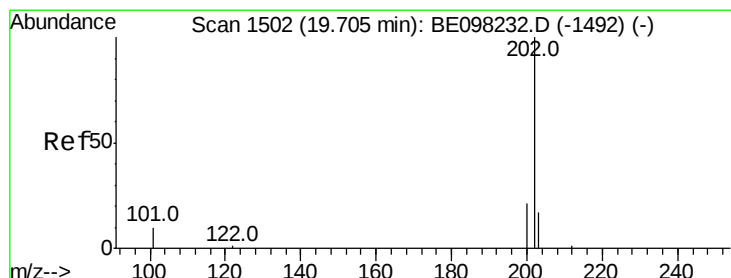
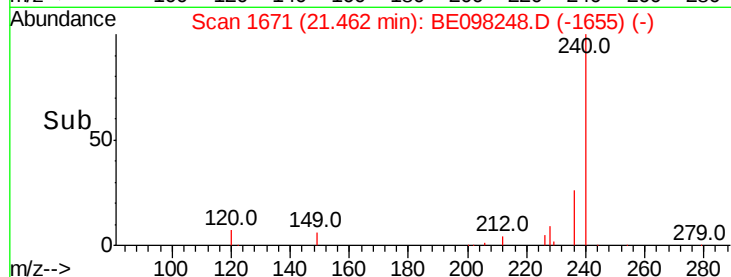
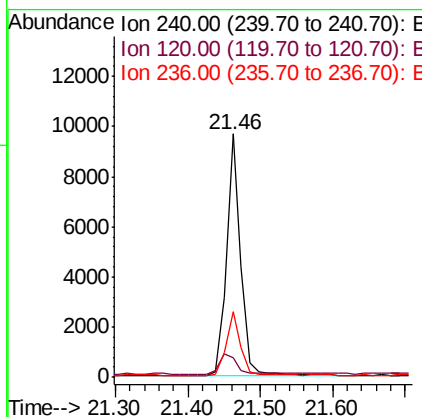
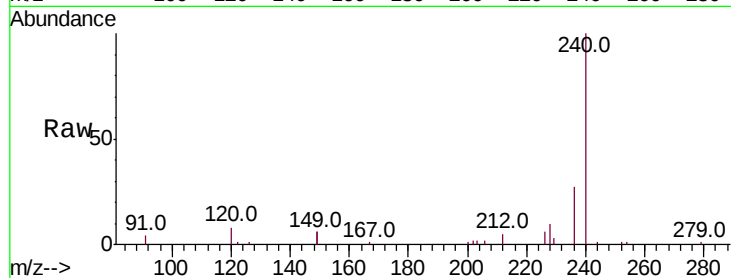
ClientSampled :

W-2DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	4.8	7.2#
236	27.1	21.4	32.0

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#28

Pyrene

Concen: 0.329 ng

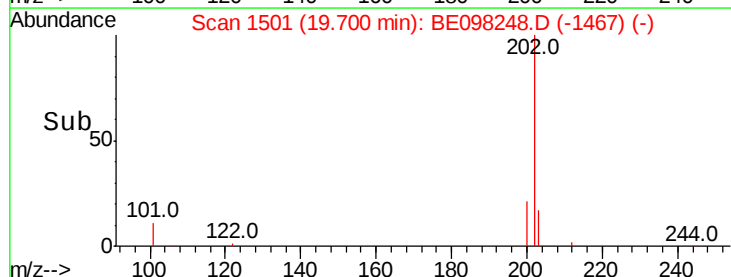
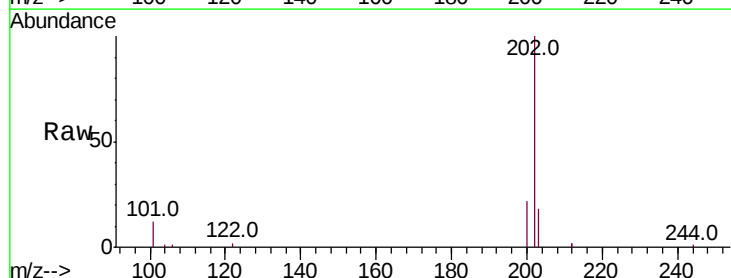
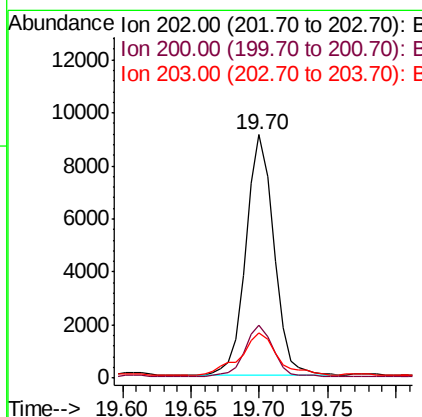
RT: 19.70 min Scan# 1501

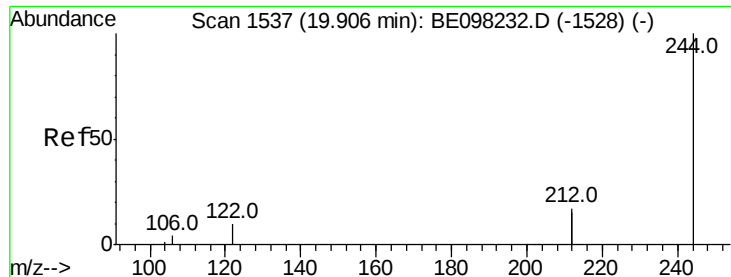
Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	23.3	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.106 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

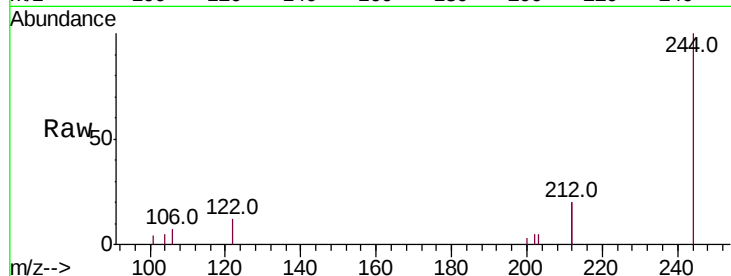
ClientSampleId :

W-2DL

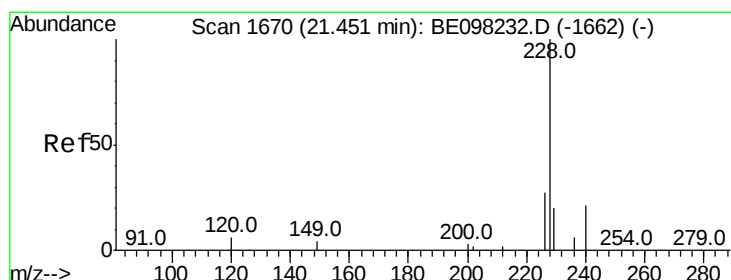
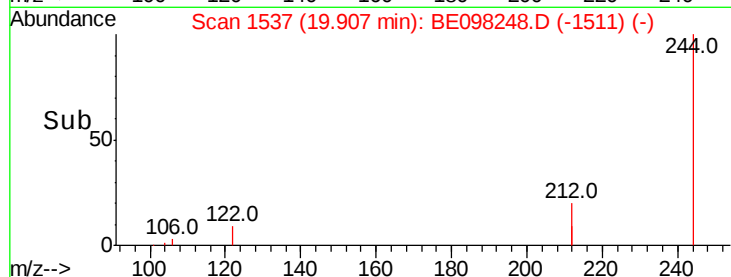
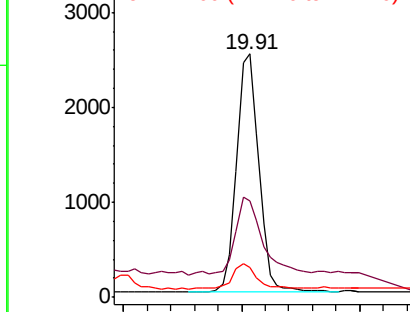
Tot Ion	Ratio	Lower	Upper
244	100		
212	39.8	26.8	40.2
122	12.4	7.0	10.6

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.138 ng m

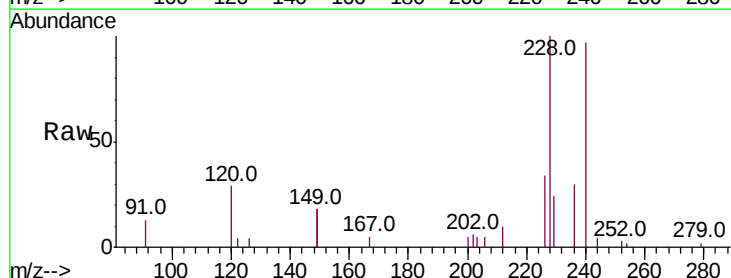
RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

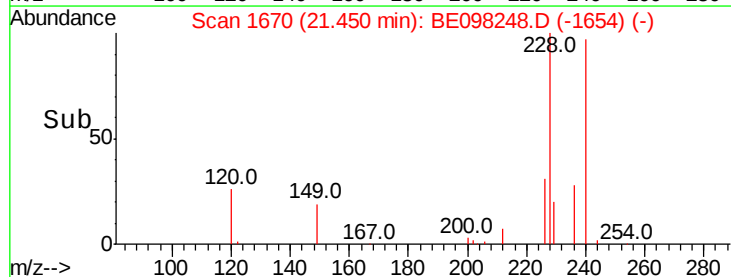
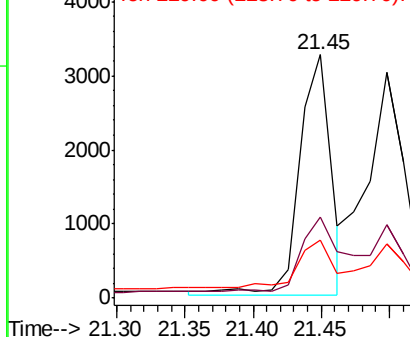
Lab File: BE098248.D

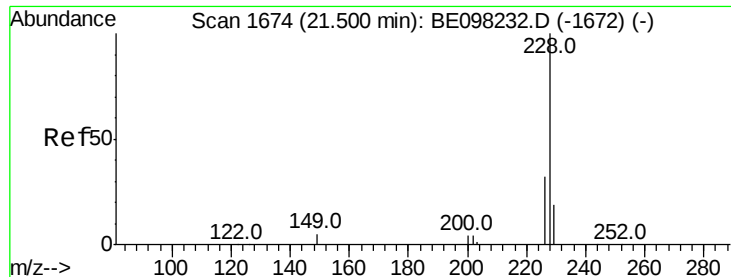
Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	20.7	31.1
229	23.9	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.151 ng/mL

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

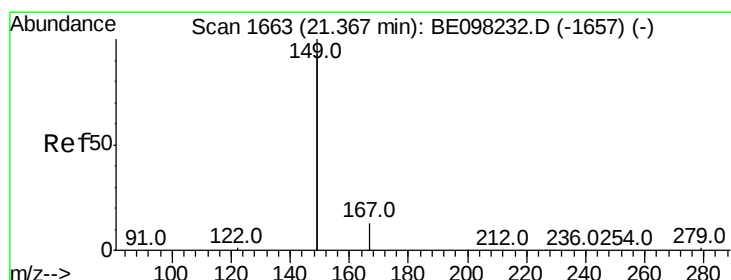
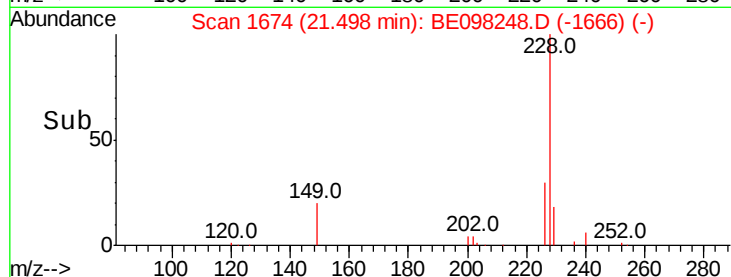
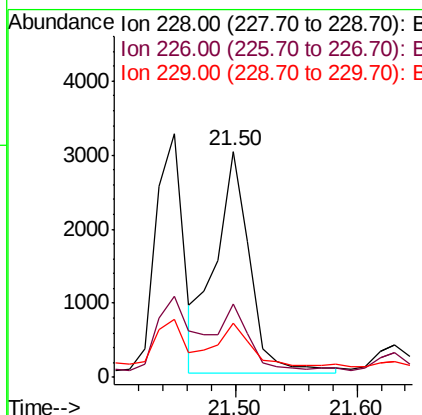
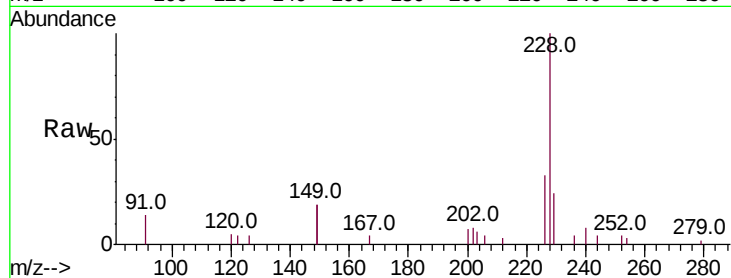
ClientSampleID :

W-2DL

Tot Ion:	228	Resp:	6017
Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.6	36.8
229	24.0	16.0	24.0

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.139 ng/mL

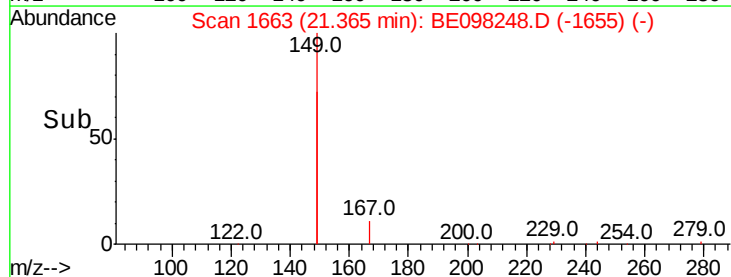
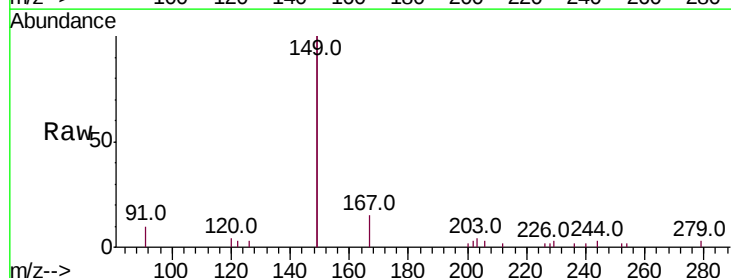
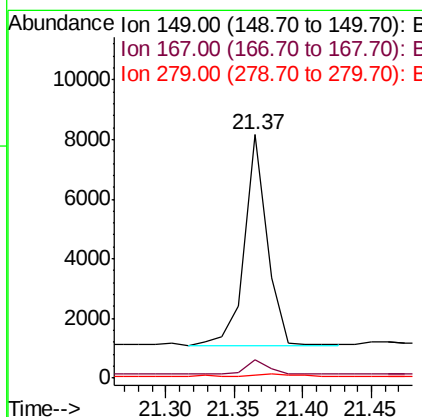
RT: 21.37 min Scan# 1663

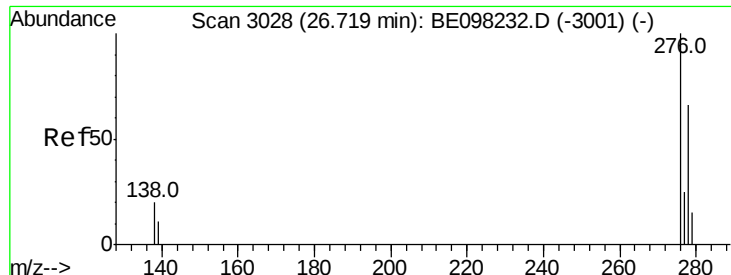
Delta R.T. -0.00 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Tgt Ion:	149	Resp:	8388
Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.6	8.4
279	1.6	0.9	1.3#





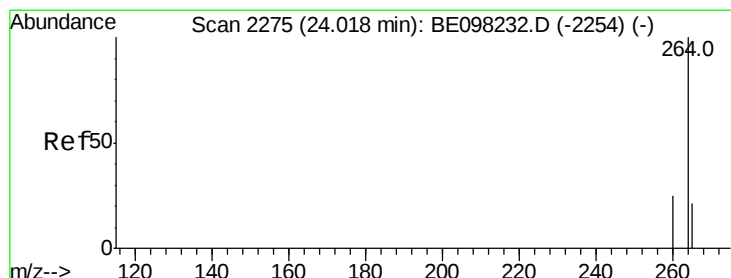
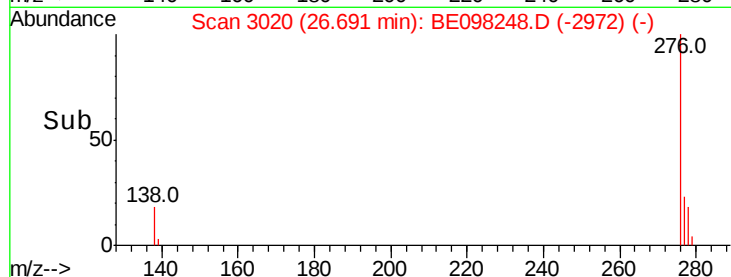
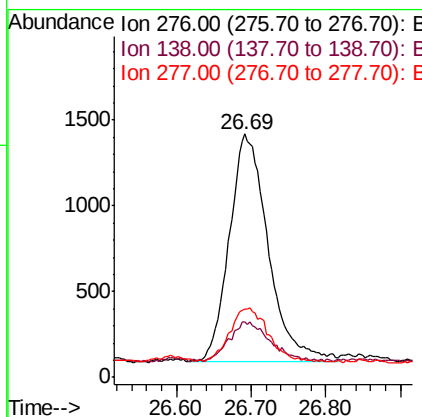
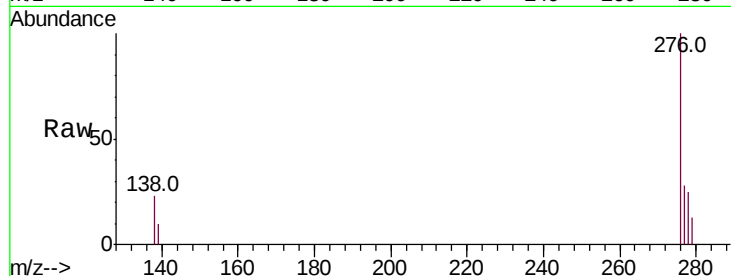
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.140 ng
 RT: 26.69 min Scan# 3020
 Delta R.T. -0.03 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Instrument :
 BNA_E
 ClientSampleId :
 W-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	6.4	9.6#
277	23.6	18.9	28.3

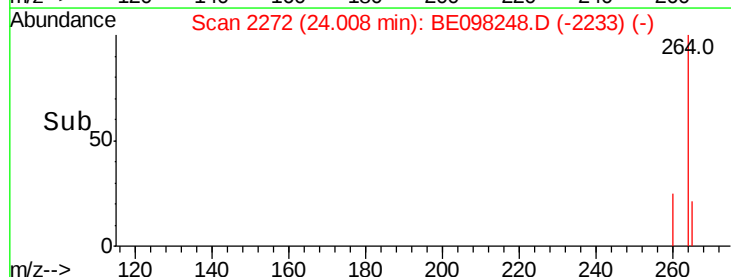
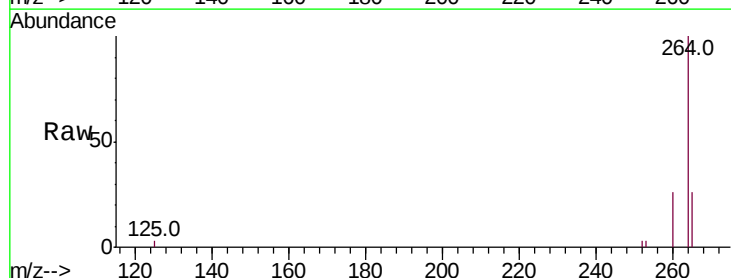
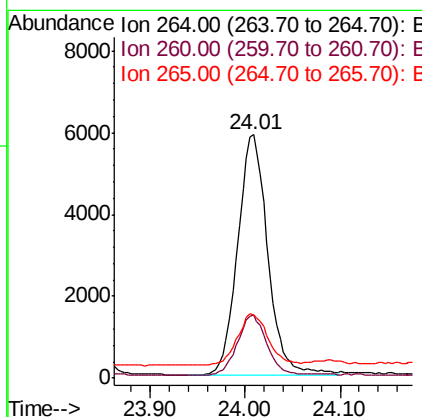
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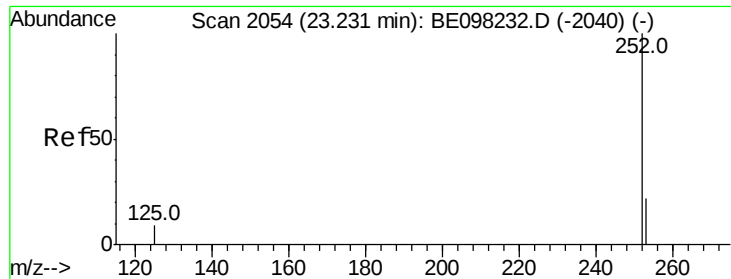
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BE098248.D
 Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.9	29.9
265	25.9	21.3	31.9





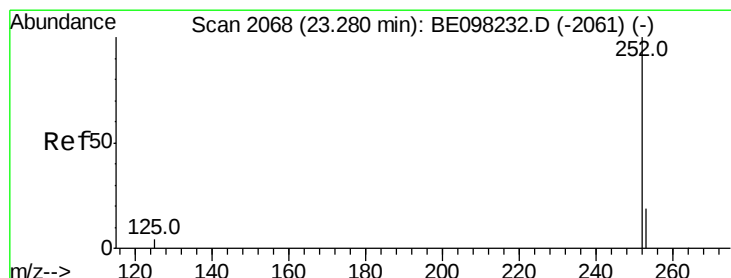
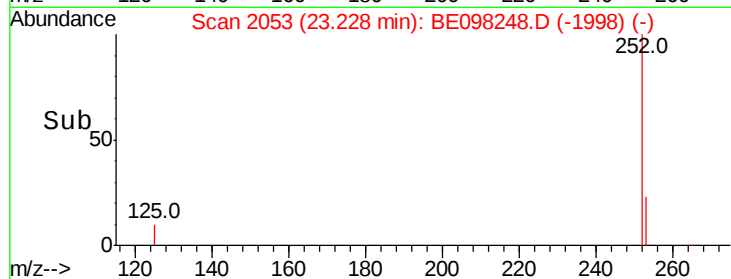
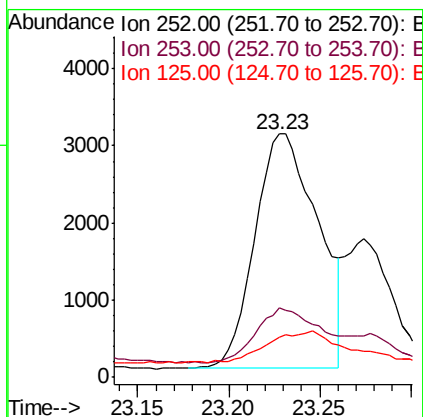
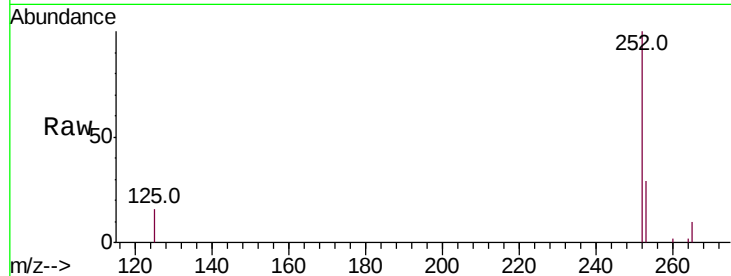
#35
Benzo(b)fluoranthene
Concen: 0.200 ng
RT: 23.23 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Instrument :
BNA_E
ClientSampled :
W-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	19.4	29.0
125	16.4	8.6	12.8

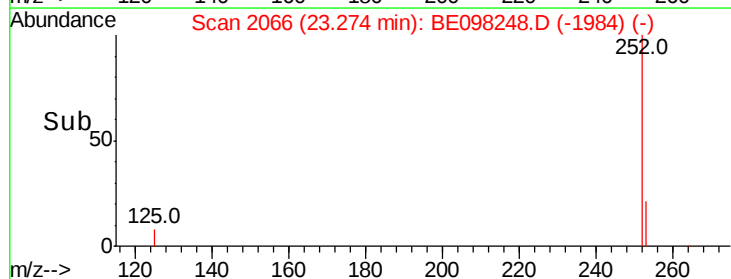
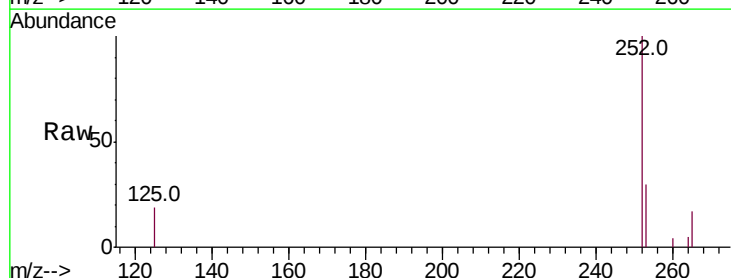
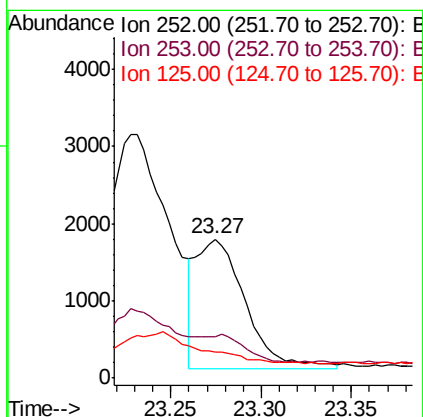
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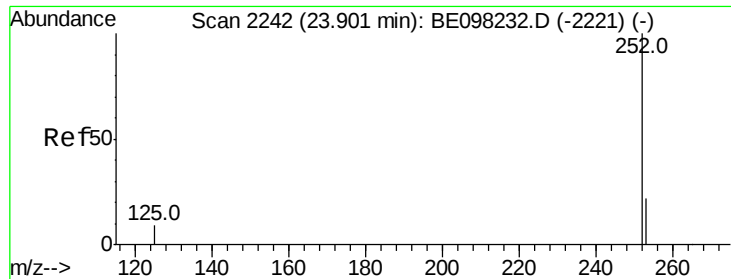
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#36
Benzo(k)fluoranthene
Concen: 0.077 ng m
RT: 23.27 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.6	28.0
125	19.0	7.4	11.0





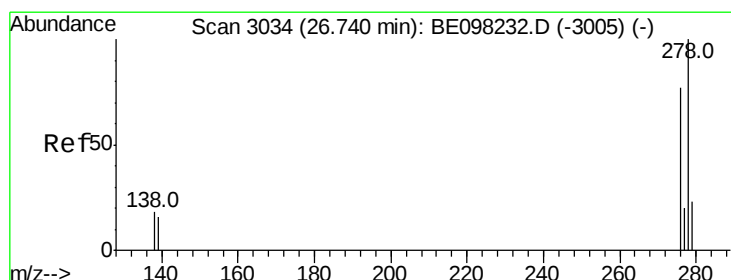
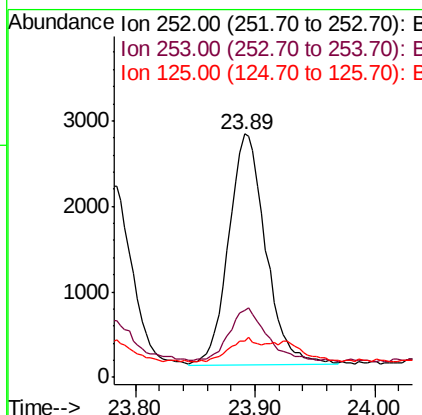
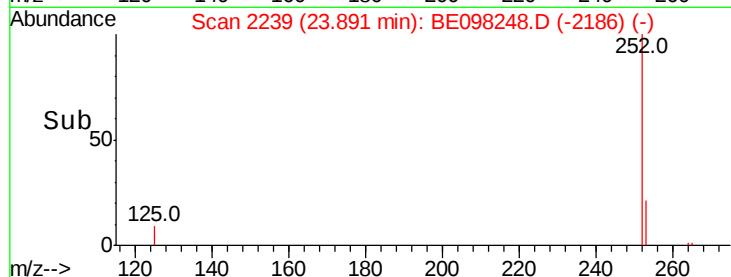
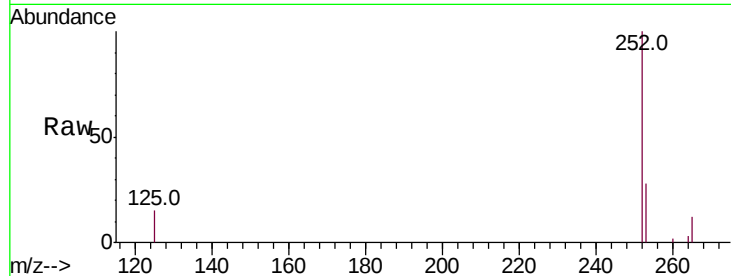
#37
Benzo(a)pyrene
Concen: 0.161 ng
RT: 23.89 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Instrument :
BNA_E
ClientSampleId :
W-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.6	27.8
125	15.0	8.0	12.0#

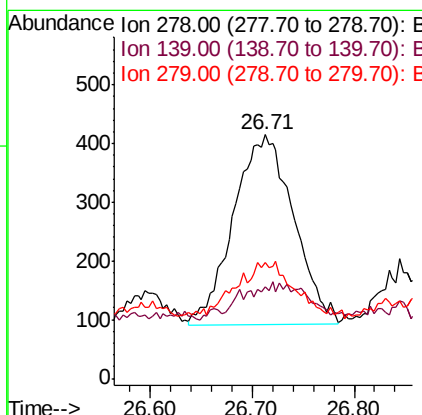
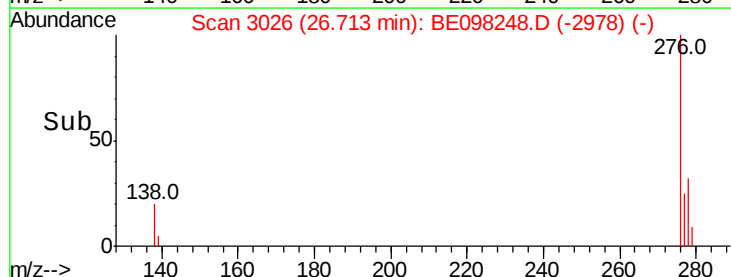
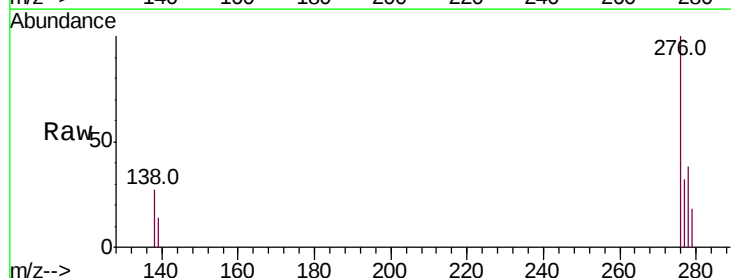
Manual Integrations
APPROVED

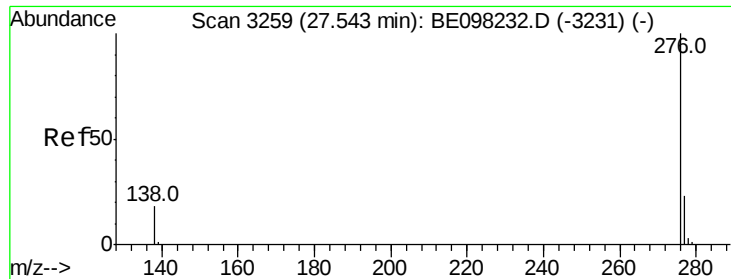
Sohil
11/20/2018 12:34:11 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.046 ng
RT: 26.71 min Scan# 3026
Delta R.T. -0.03 min
Lab File: BE098248.D
Acq: 19 Nov 2018 11:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.8	16.4	24.6#
279	47.7	21.3	31.9#





#39

Benzo(a,h,i)perylene

Concen: 0.182 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BE098248.D

Acq: 19 Nov 2018 11:48

Instrument :

BNA_E

ClientSampleId :

W-2DL

Tot Ion:	276	Resp:	5629
Ion Ratio	Lower	Upper	
276	100		
277	25.7	20.4	30.6
138	21.0	13.2	19.8

Manual Integrations
APPROVED

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

