

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\
 Data File : BE098238.D
 Acq On : 16 Nov 2018 20:21
 Operator : SJ/JU
 Sample : J5957-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 W-2

Manual Integrations
 APPROVED

Sohil
 11/19/2018 3:44:05 PM

Quant Time: Nov 16 23:00:37 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	1337	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6632	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4402	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	10265	0.40	ng	0.00
27) Chrysene-d12	21.46	240	11233	0.40	ng	0.00
34) Perylene-d12	24.01	264	10763	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	451	0.13	ng	0.00
5) Phenol-d6	7.03	99	532	0.09	ng	0.00
8) Nitrobenzene-d5	9.02	82	1787	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3066	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	569	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	4897	0.26	ng	0.00
25) Fluoranthene-d10	19.31	212	32411	0.26	ng	0.00
29) Terphenyl-d14	19.91	244	5719	0.22	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.72	128	4373	0.065	ng	# 92
12) 2-Methylnaphthalene	12.34	142	315	0.026	ng	# 90
16) Acenaphthylene	14.25	152	3465	0.165	ng	# 88
17) Acenaphthene	14.60	154	40155	3.209	ng	99
18) Fluorene	15.57	166	8990	0.564	ng	# 94
23) Phenanthrene	17.31	178	6942	0.263	ng	98
24) Anthracene	17.41	178	7762	0.324	ng	97
26) Fluoranthene	19.34	202	22883	0.722	ng	98
28) Pyrene	19.70	202	22373	0.681	ng	# 94
30) Benzo(a)anthracene	21.45	228	9868	0.304	ng	# 89
31) Chrysene	21.50	228	7620	0.228	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.37	149	12413	0.245	ng	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	7989	0.279	ng	# 93
35) Benzo(b)fluoranthene	23.23	252	12917	0.425	ng	# 92
36) Benzo(k)fluoranthene	23.27	252	4297m	0.125	ng	
37) Benzo(a)pyrene	23.90	252	9689	0.325	ng	# 94
38) Dibenzo(a,h)anthracene	26.72	278	2025	0.085	ng	# 67
39) Benzo(a,h,i)perylene	27.53	276	9737	0.378	ng	# 95

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

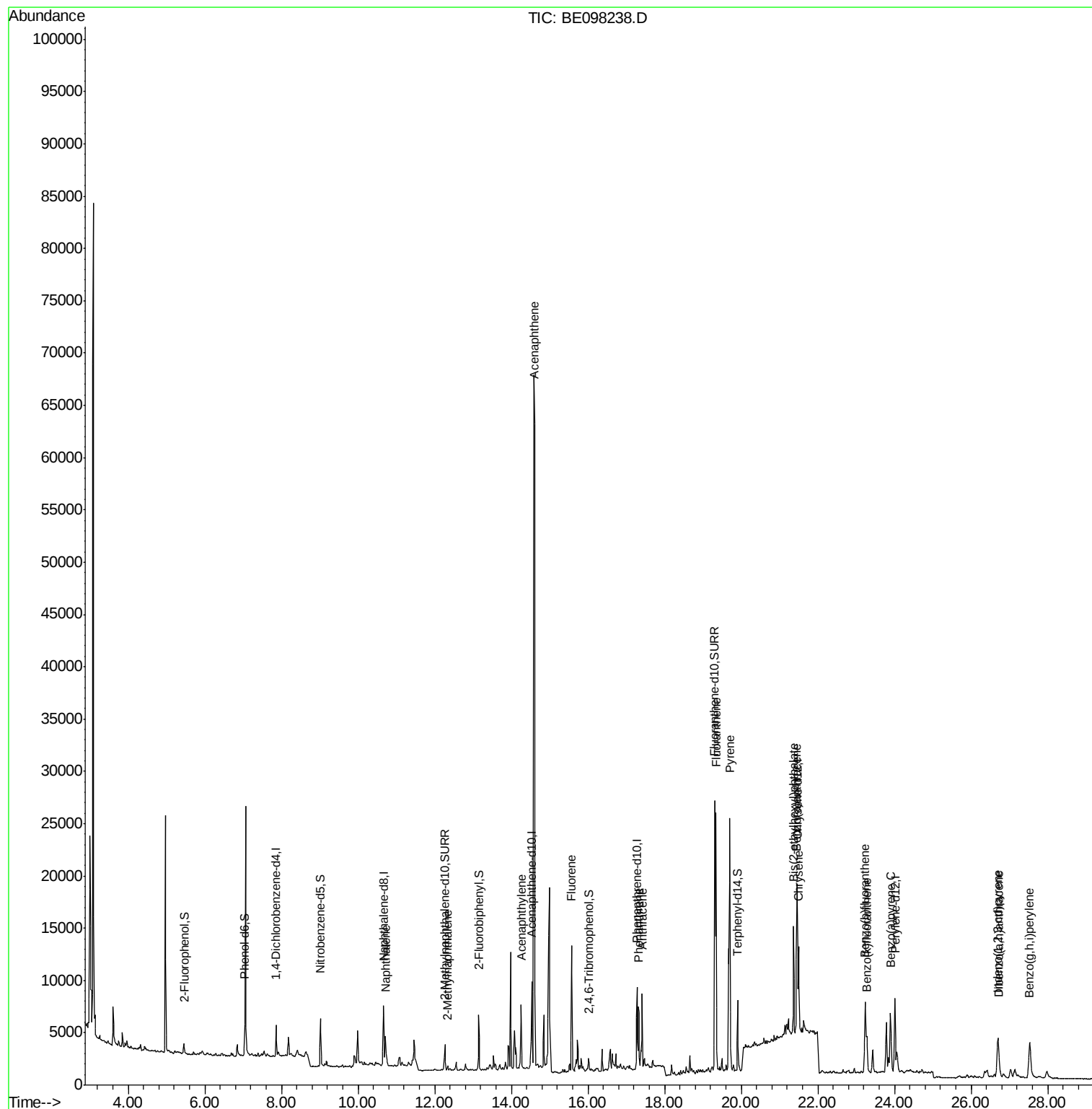
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\
Data File : BE098238.D
Acq On : 16 Nov 2018 20:21
Operator : SJ/JU
Sample : J5957-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

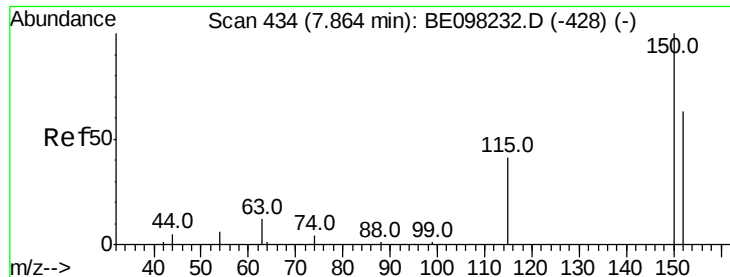
Instrument :
BNA_E
ClientSampleId :
W-2

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Quant Time: Nov 16 23:00:37 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

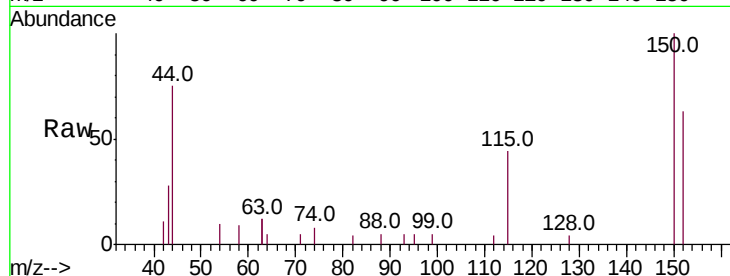
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampled :
W-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	70.6	60.3	90.5

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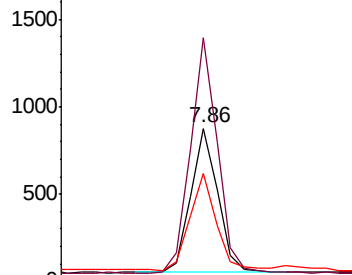


Abundance

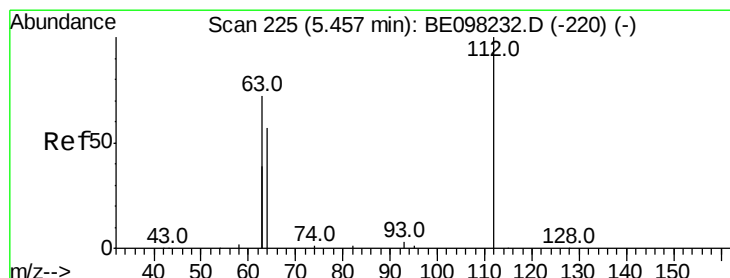
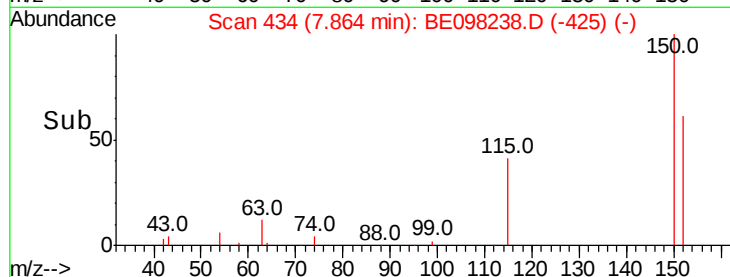
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



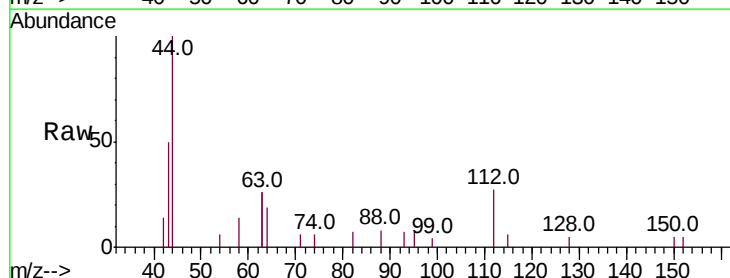
Time-->



#4

2-Fluorophenol
Concen: 0.126 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	81.2	61.7	92.5
63	186.9	136.2	204.2

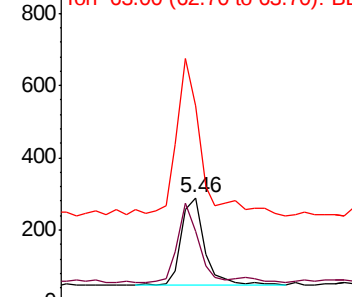


Abundance

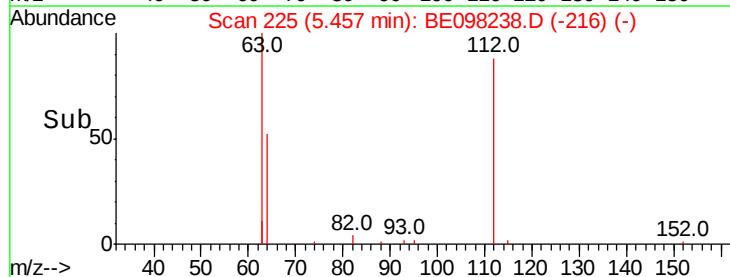
Ion 112.00 (111.70 to 112.70): E

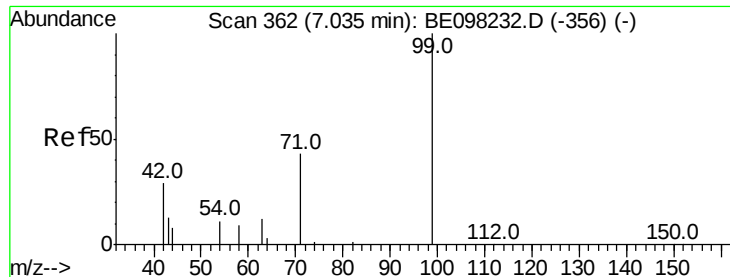
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.094 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Instrument :

BNA_E

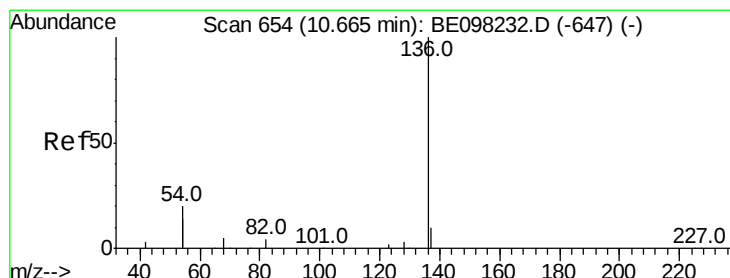
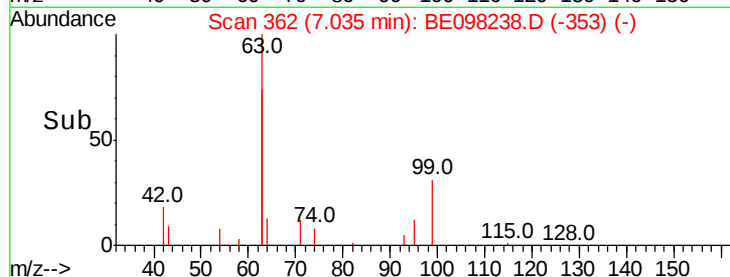
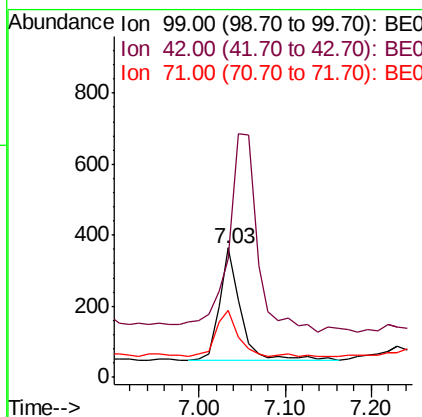
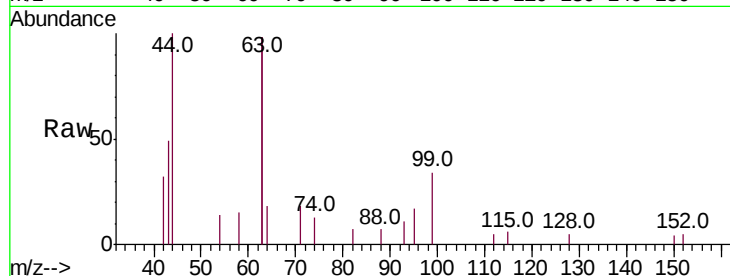
ClientSampled :

W-2

Tot Ion:	99	Resp:	532
Ion	Ratio	Lower	Upper
99	100		
42	252.8	27.1	40.7#
71	43.4	37.0	55.6

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#7

Naphthalene-d8

Concen: 0.400 ng

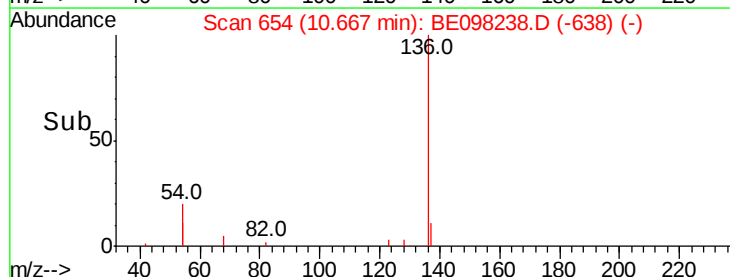
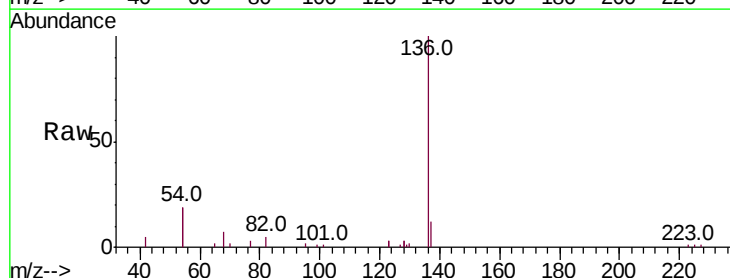
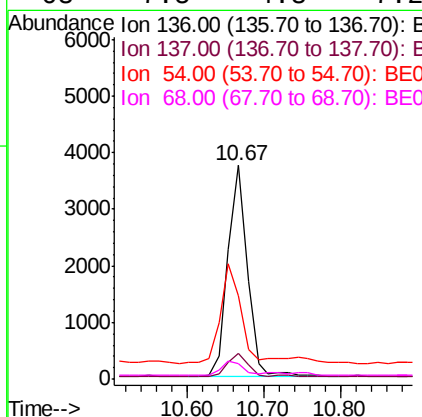
RT: 10.67 min Scan# 654

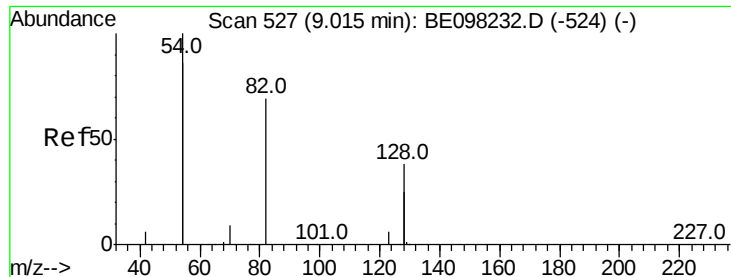
Delta R.T. 0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Tgt Ion:	136	Resp:	6632
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	38.9	31.3	46.9
68	7.5	4.8	7.2#





#8

Nitrobenzene-d5

Concen: 0.285 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Instrument :

BNA_E

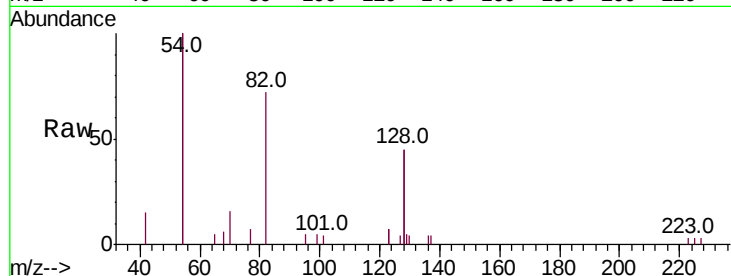
ClientSampled :

W-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	124.5	96.1	144.1
54	276.5	232.0	348.0

Manual Integrations
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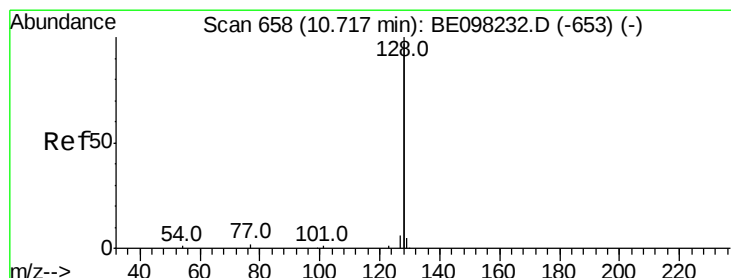
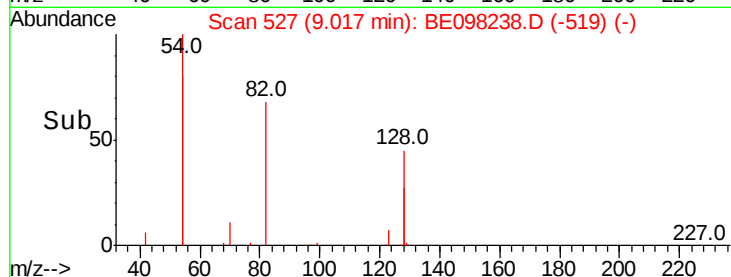
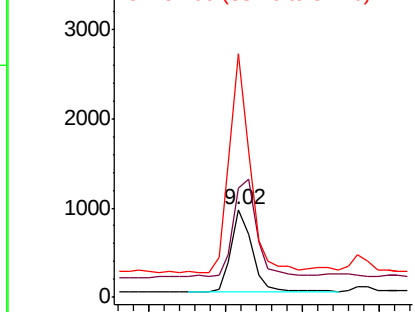
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Abundance Ion 82.00 (81.70 to 82.70): BE098238.D (-519) (-)

Ion 128.00 (127.70 to 128.70): BE098238.D (-519) (-)

Ion 54.00 (53.70 to 54.70): BE098238.D (-519) (-)



#9

Naphthalene

Concen: 0.065 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098238.D

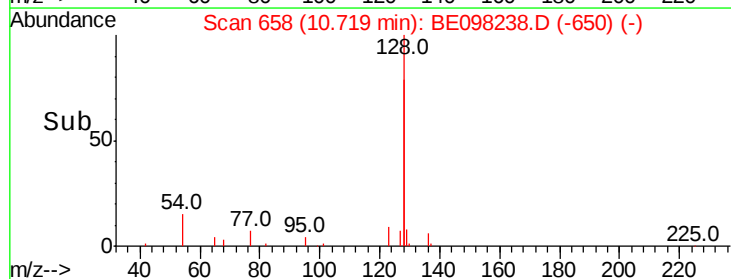
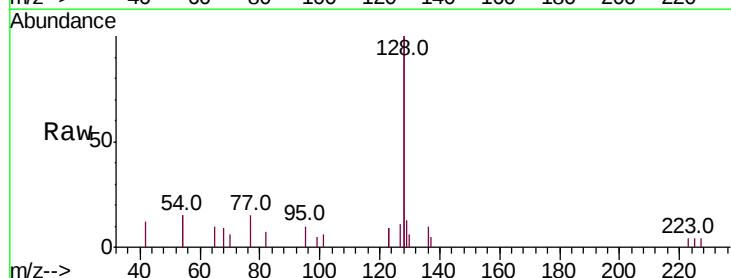
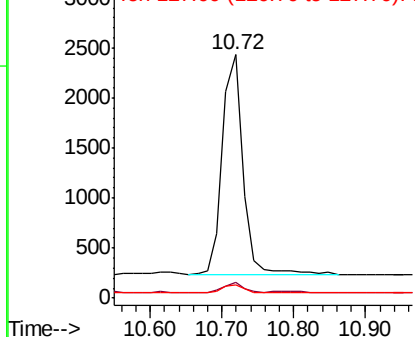
Acq: 16 Nov 2018 20:21

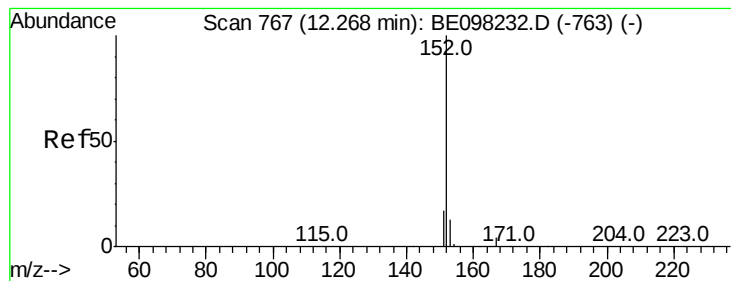
Tgt Ion	Ratio	Lower	Upper
128	100		
129	6.5	2.6	4.0#
127	5.5	2.8	4.2#

Abundance Ion 128.00 (127.70 to 128.70): BE098238.D (-650) (-)

Ion 129.00 (128.70 to 129.70): BE098238.D (-650) (-)

Ion 127.00 (126.70 to 127.70): BE098238.D (-650) (-)





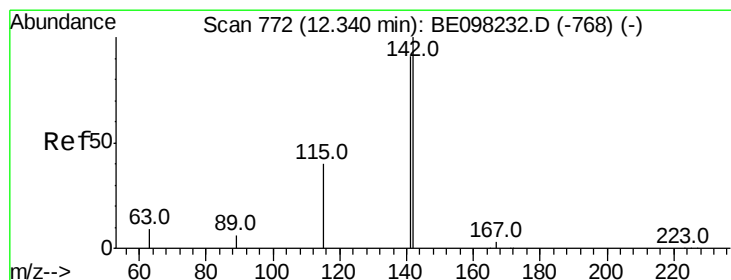
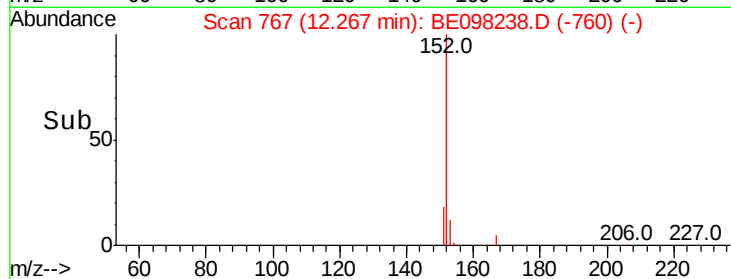
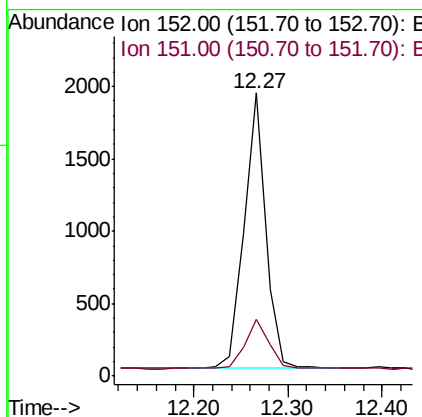
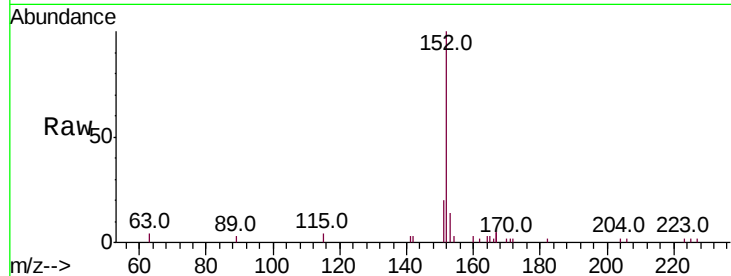
#11
 2-Methylnaphthalene-d10
 Concen: 0.263 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098238.D
 Acq: 16 Nov 2018 20:21

Instrument :
 BNA_E
 ClientSampleId :
 W-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2

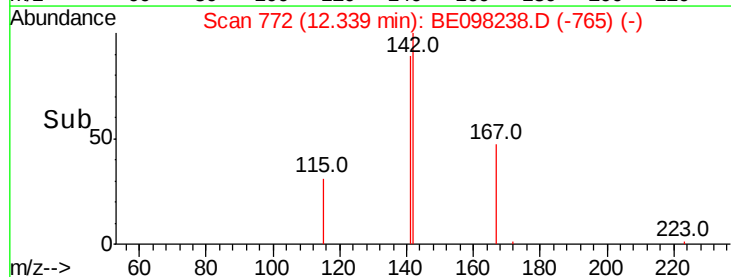
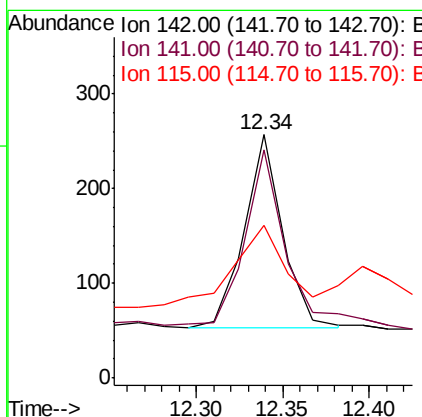
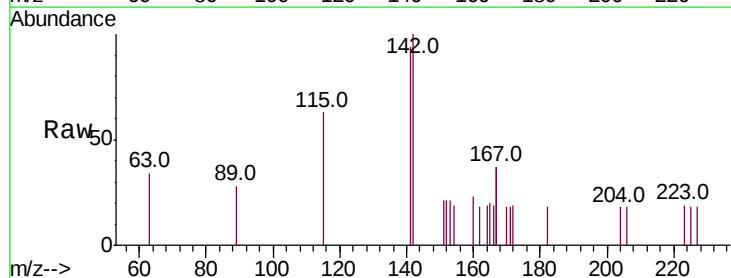
Manual Integrations
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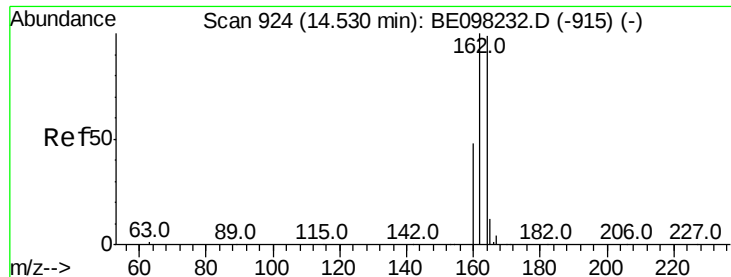
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#12
 2-Methylnaphthalene
 Concen: 0.026 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098238.D
 Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	76.3	114.5
115	62.6	35.8	53.8#





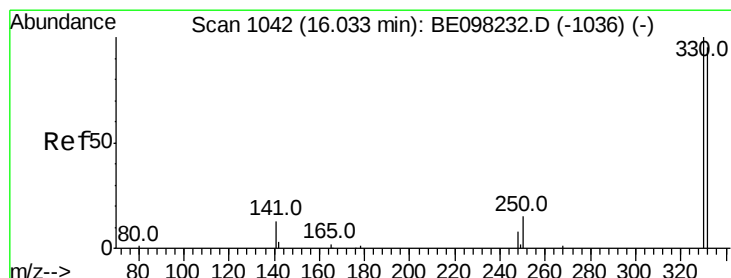
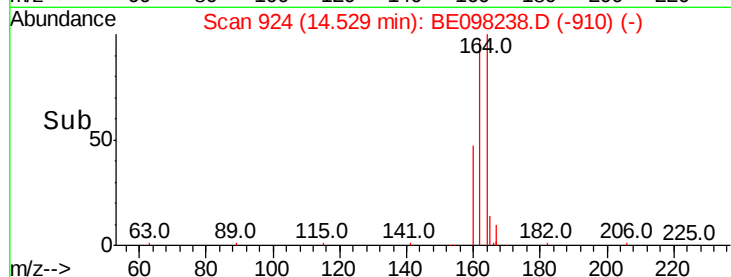
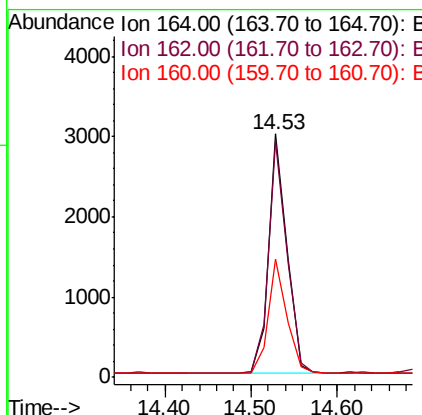
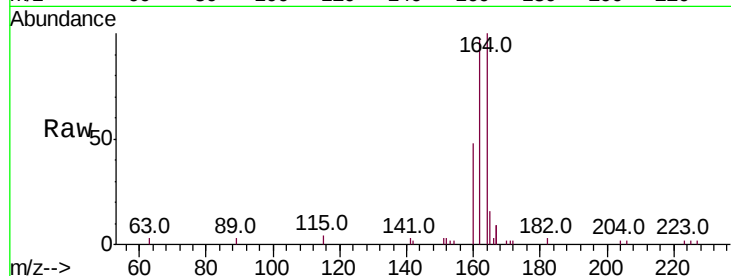
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.9	81.8	122.6
160	48.5	39.4	59.0

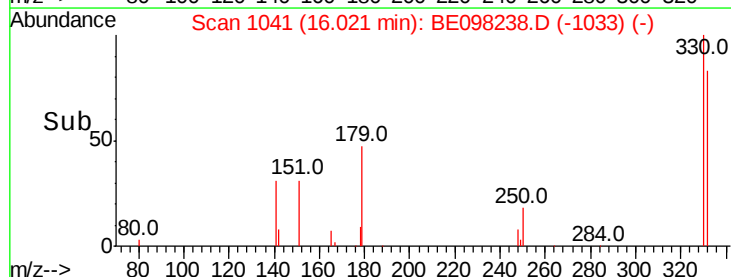
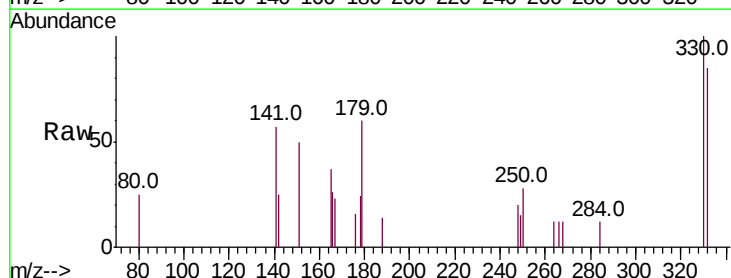
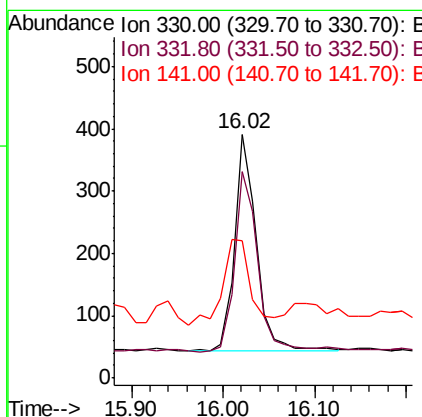
Manual Integrations
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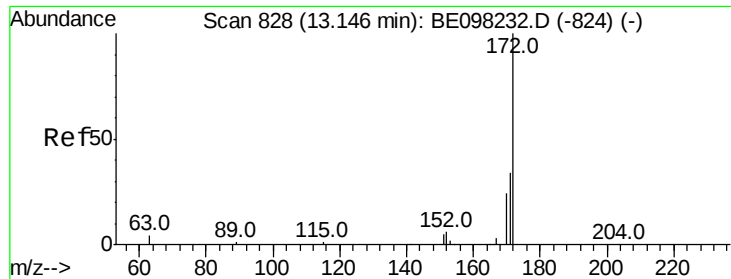
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#14
2,4,6-Tribromophenol
Concen: 0.401 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.7	77.7	116.5
141	51.3	33.6	50.4#





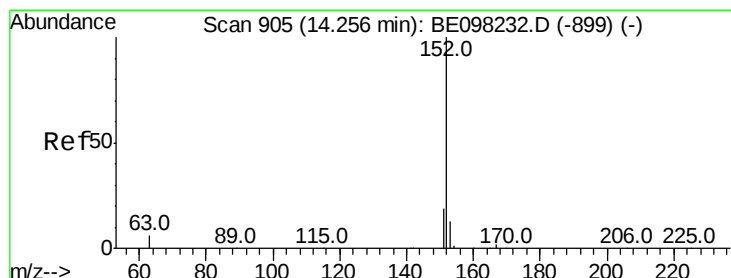
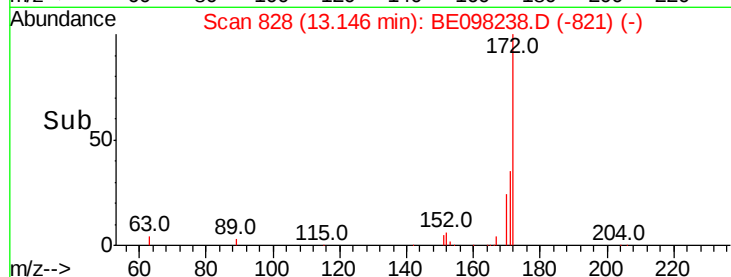
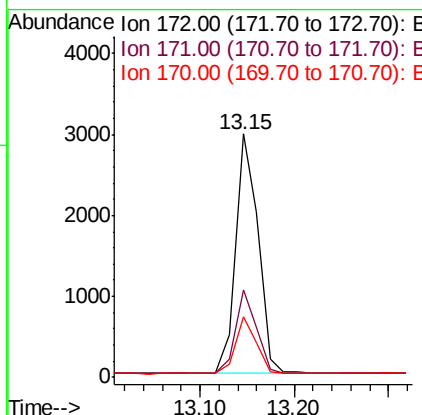
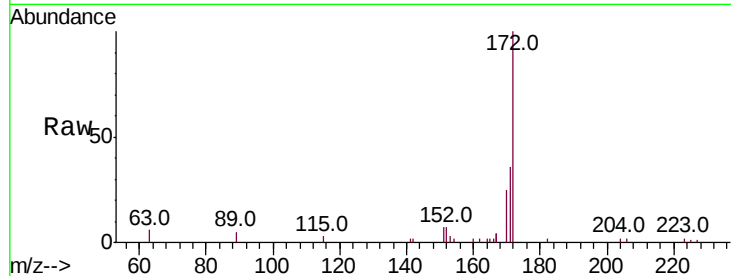
#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.3	40.9
170	24.9	19.4	29.0

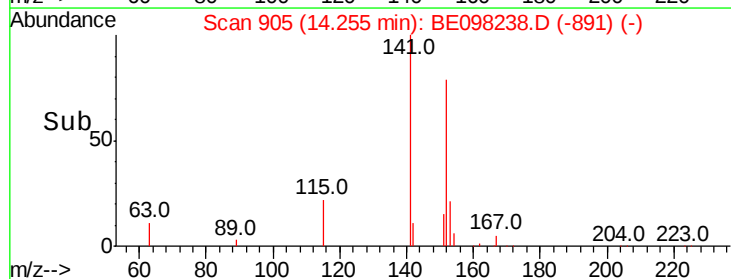
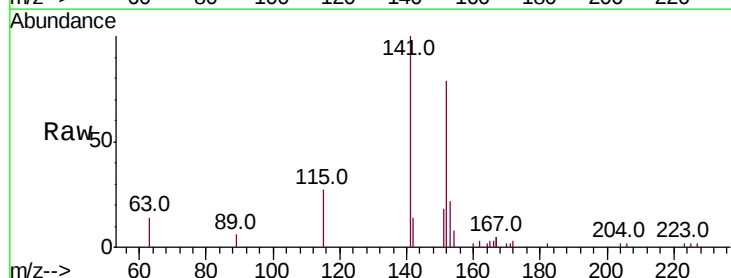
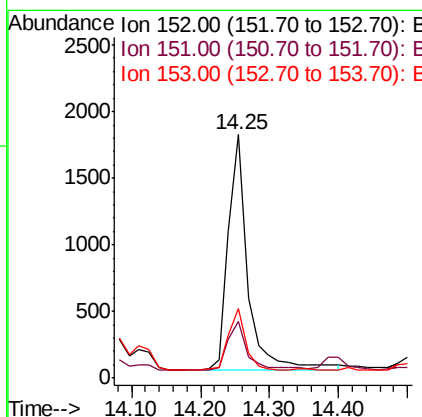
Manual Integrations
APPROVED

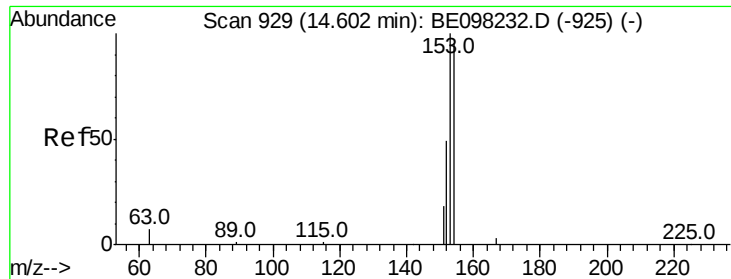
Sohil
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#16
Acenaphthylene
Concen: 0.165 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.4	24.6
153	23.0	10.6	15.8#





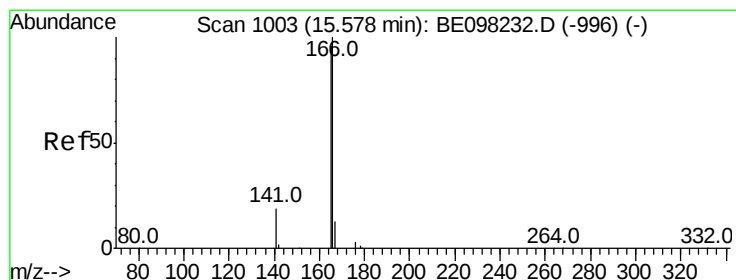
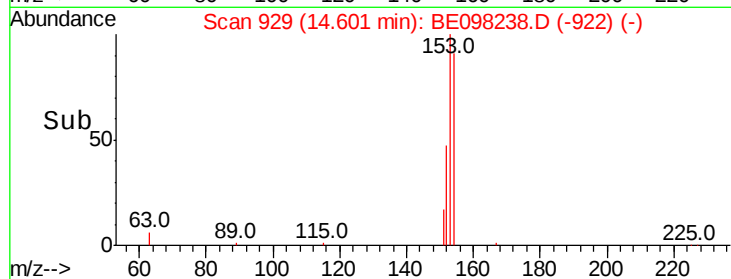
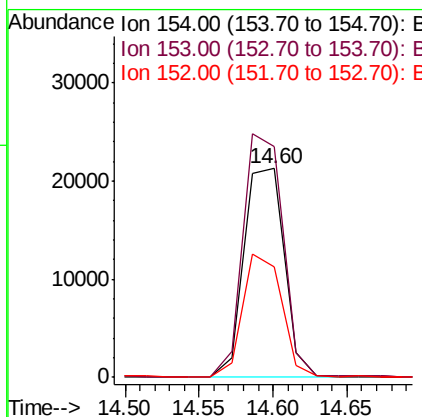
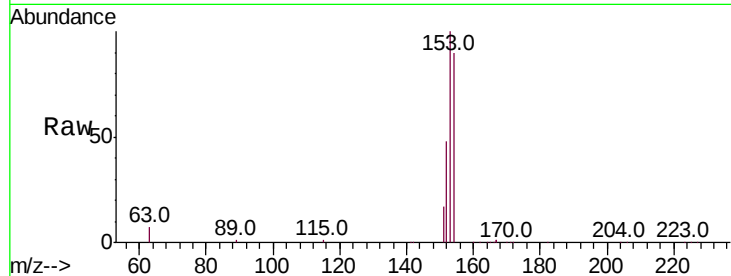
#17
Acenaphthene
Concen: 3.209 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.8	92.1	138.1
152	56.7	46.2	69.2

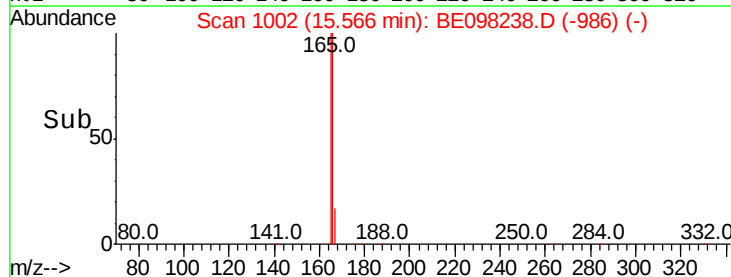
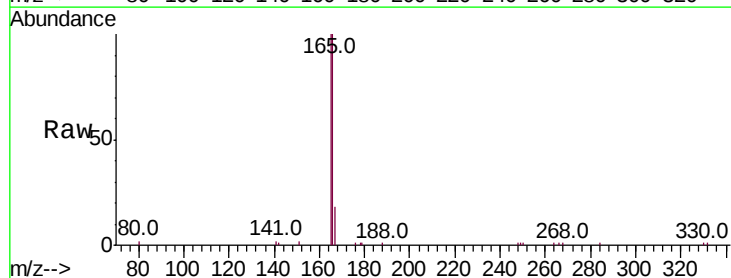
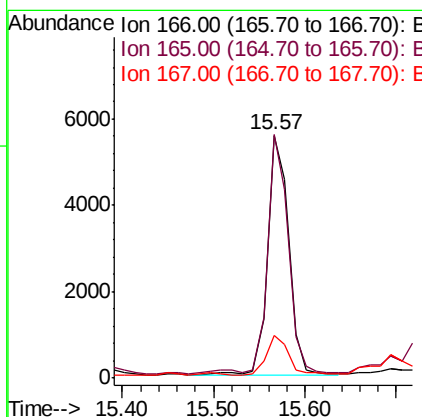
Manual Integrations
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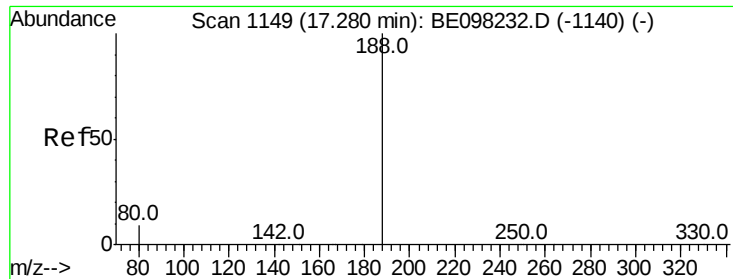
Sohil
11/19/2018 3:44:05 PM



#18
Fluorene
Concen: 0.564 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.9	80.1	120.1
167	17.0	10.8	16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098238.D

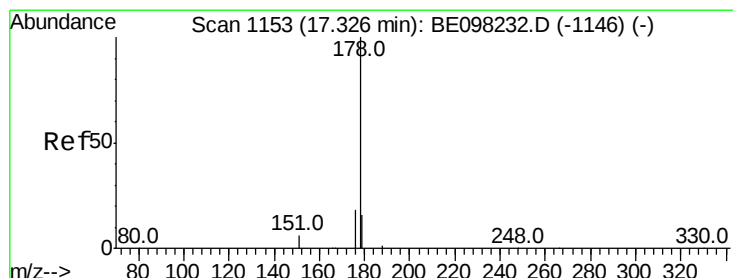
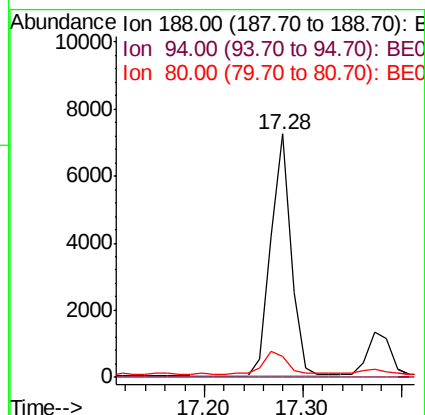
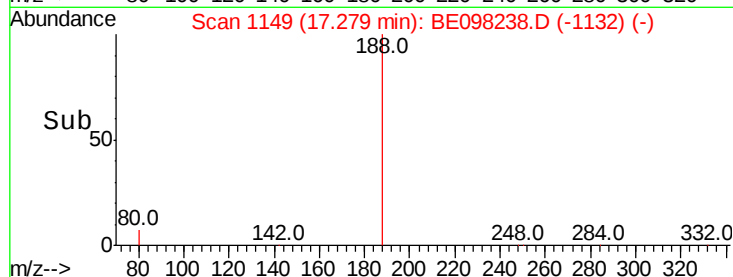
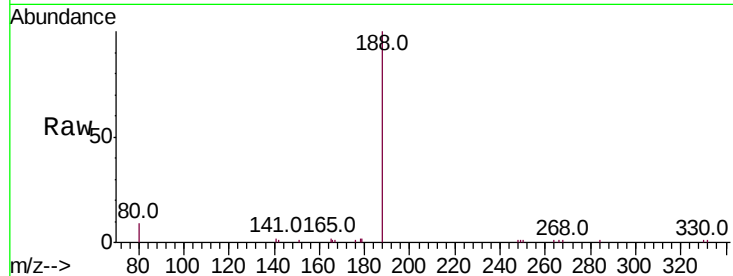
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampled :
W-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	6.7	10.1

Manual Integrations
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#23

Phenanthrene

Concen: 0.263 ng

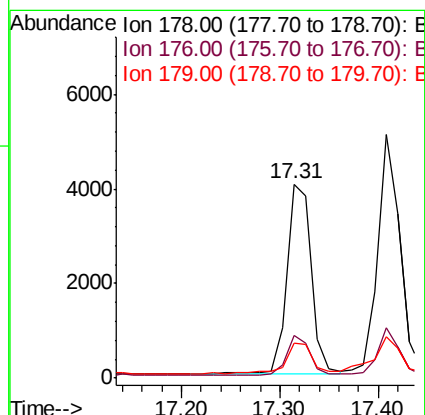
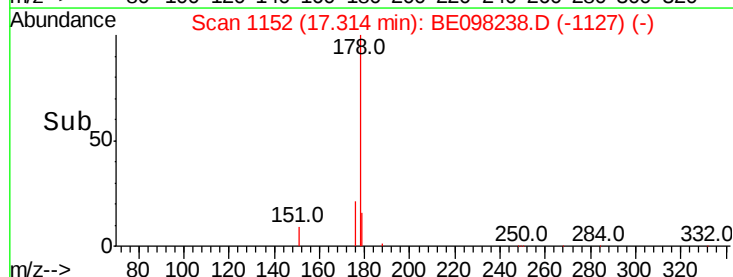
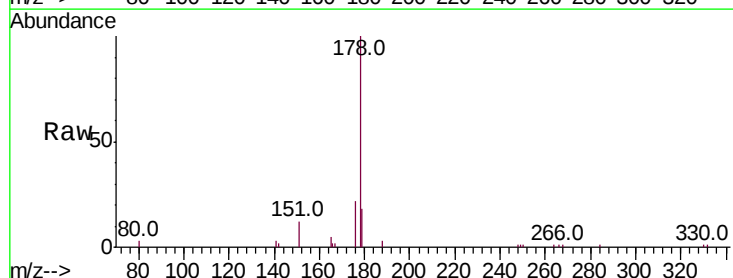
RT: 17.31 min Scan# 1152

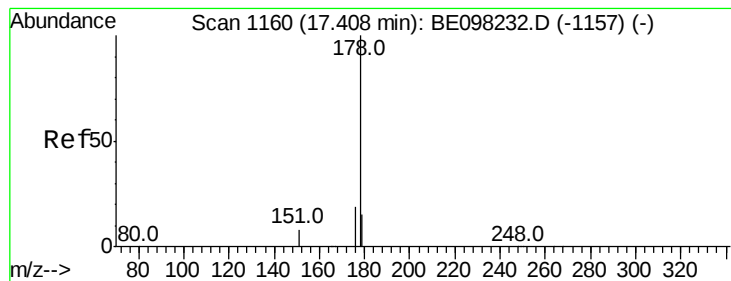
Delta R.T. -0.01 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	17.6	12.3	18.5





#24

Anthracene

Concen: 0.324 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Instrument :

BNA_E

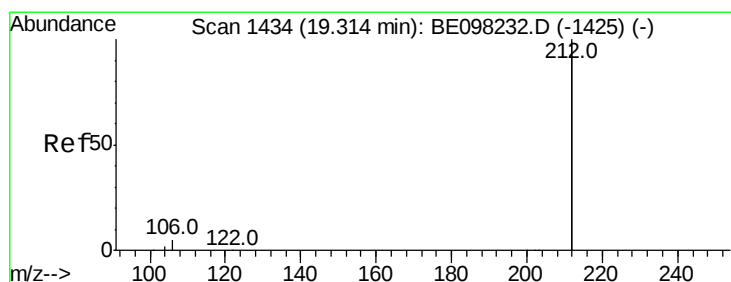
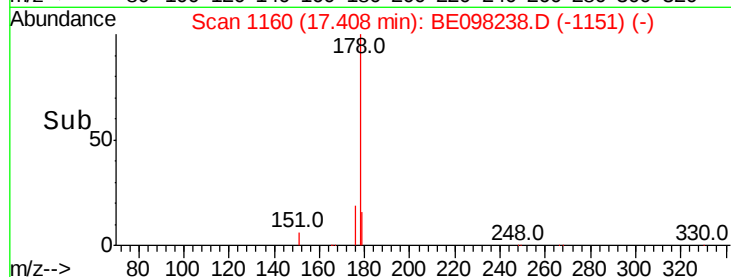
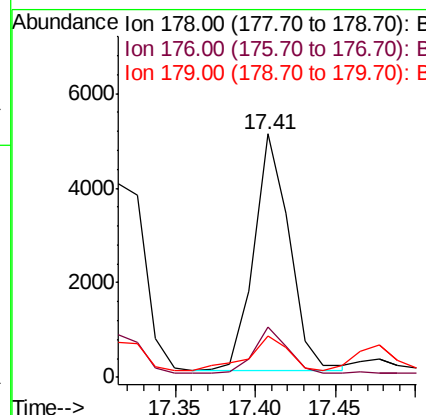
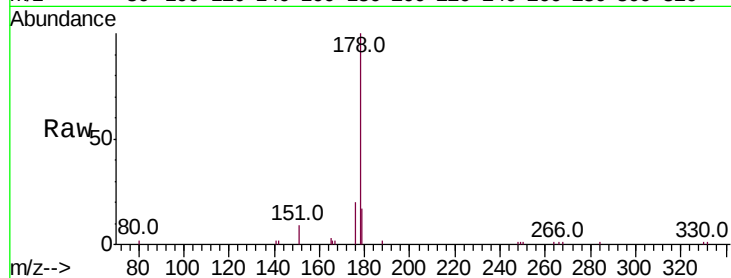
ClientSampleId :

W-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	16.6	12.1	18.1

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#25

Fluoranthene-d10

Concen: 0.260 ng

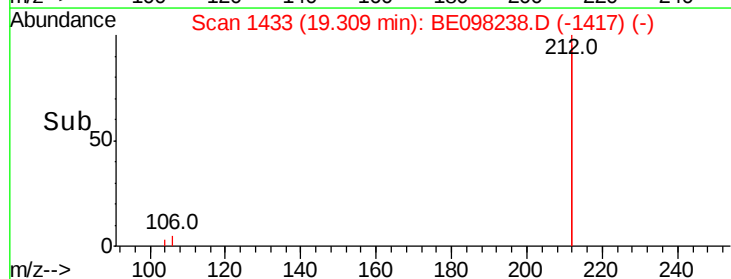
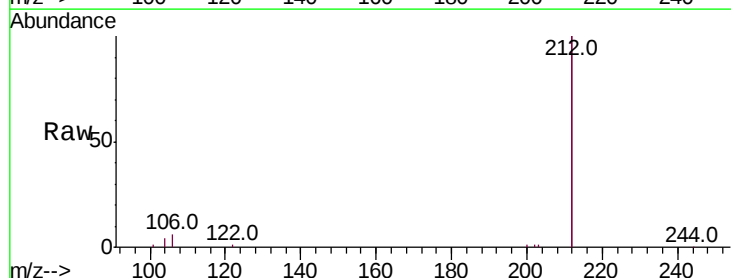
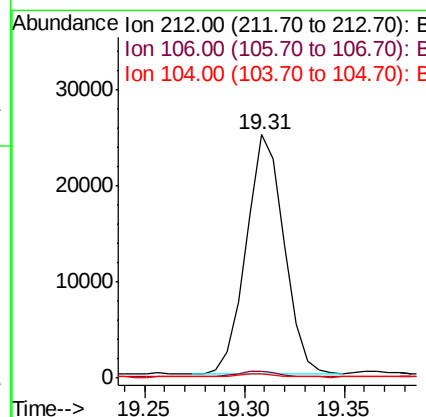
RT: 19.31 min Scan# 1433

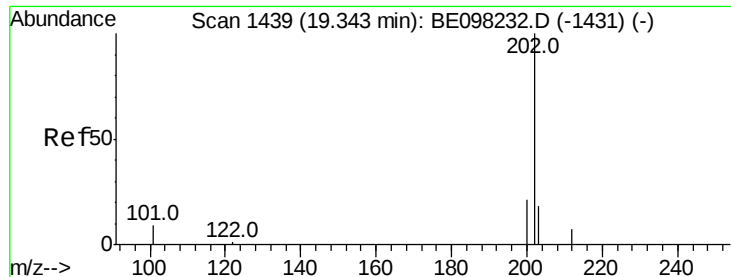
Delta R.T. -0.01 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.9	1.8	2.8#
104	1.7	1.1	1.7#





#26

Fluoranthene

Concen: 0.722 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Instrument :

BNA_E

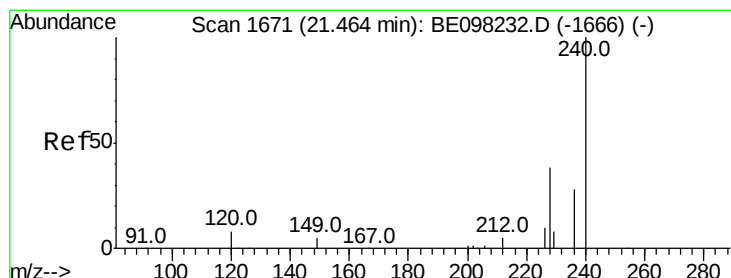
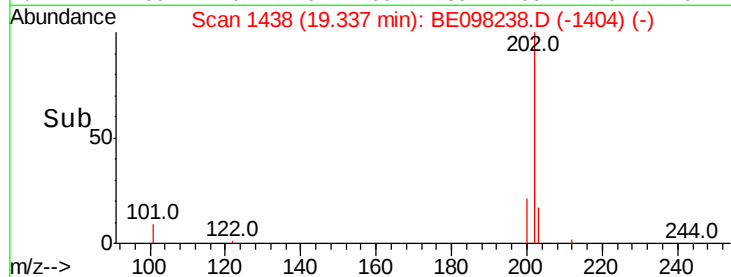
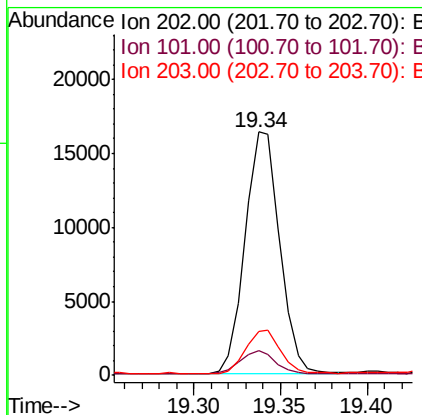
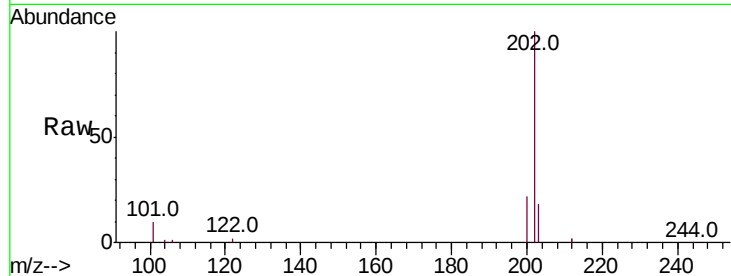
ClientSampled :

W-2

Tot Ion:	202	Resp:	22883
Ion Ratio	Lower	Upper	
202	100		
101	9.8	7.0	10.6
203	17.8	13.7	20.5

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

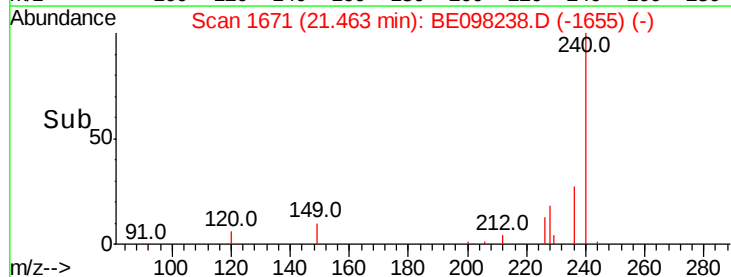
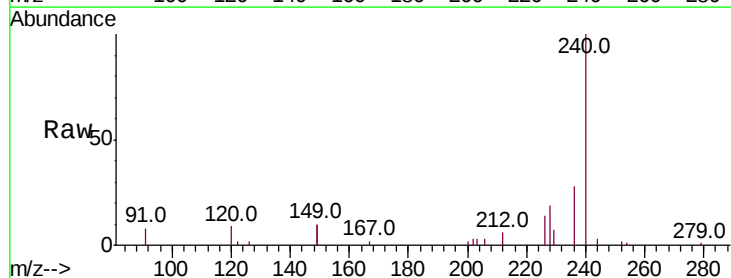
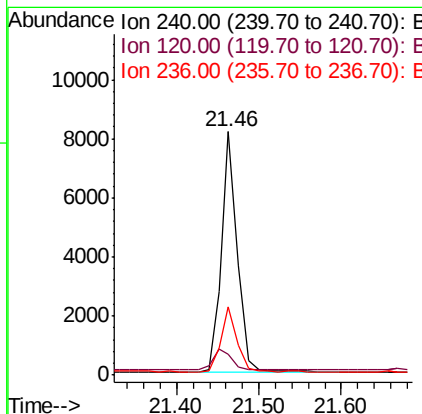
RT: 21.46 min Scan# 1671

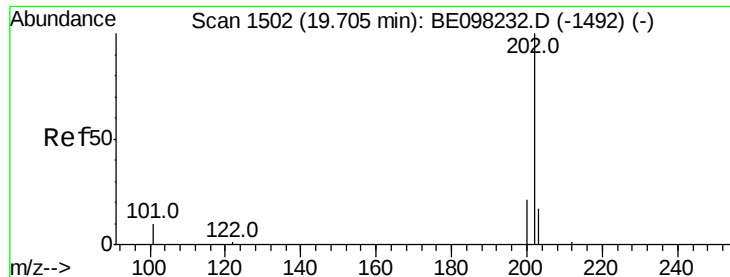
Delta R.T. -0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Tgt Ion:	240	Resp:	11233
Ion Ratio	Lower	Upper	
240	100		
120	8.7	4.8	7.2#
236	28.0	21.4	32.0





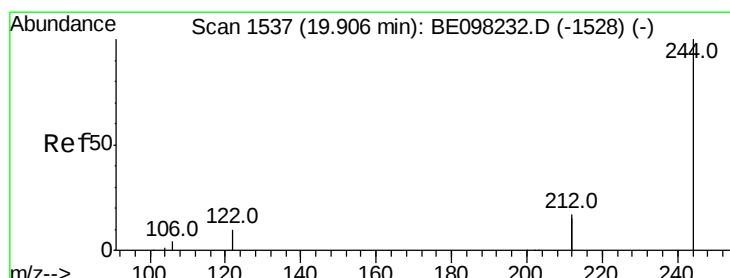
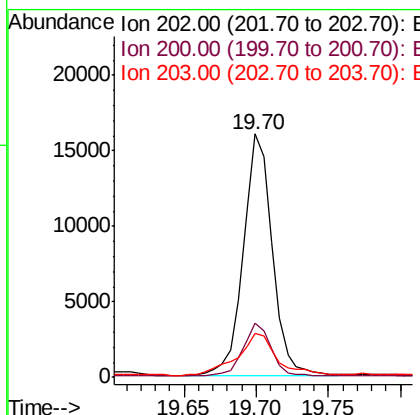
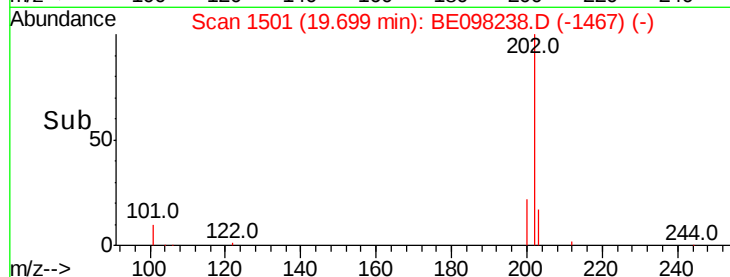
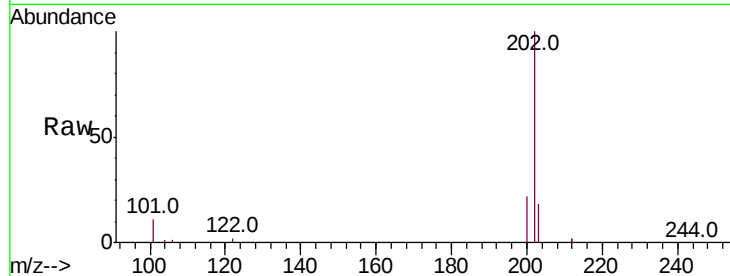
#28
Pvrene
Concen: 0.681 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	23.3	14.2	21.4

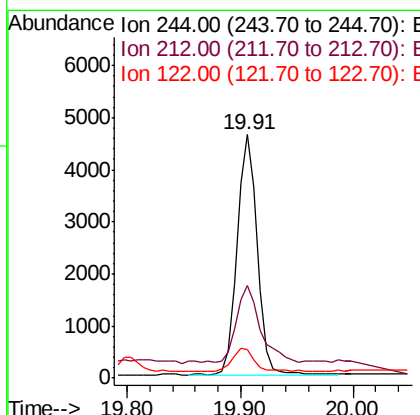
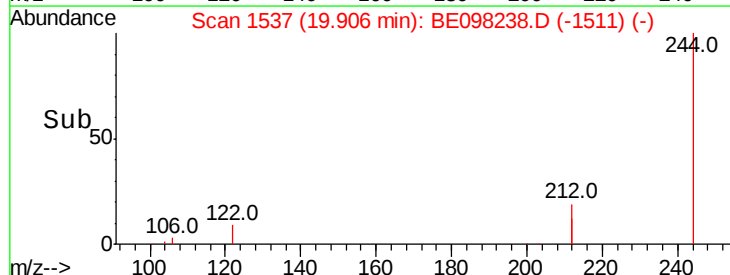
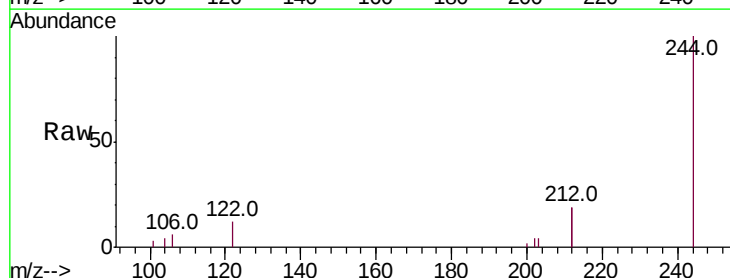
Manual Integrations
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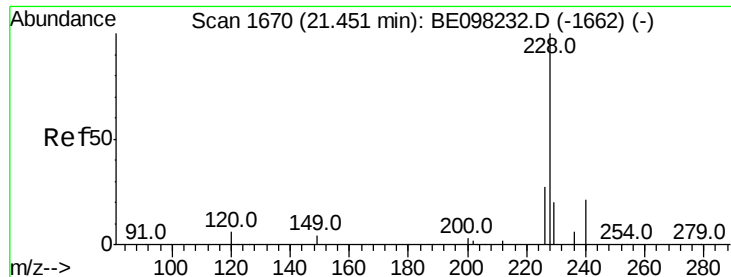
Sohil
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#29
Terphenyl-d14
Concen: 0.222 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	38.2	26.8	40.2
122	11.7	7.0	10.6





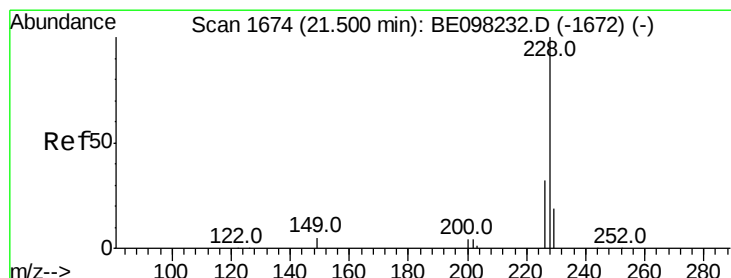
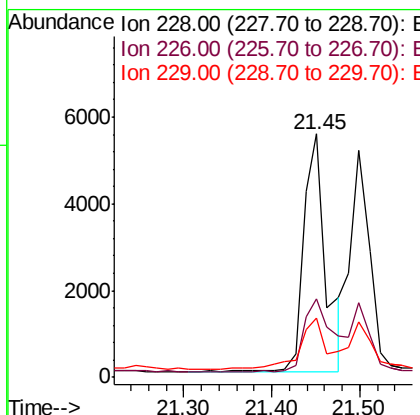
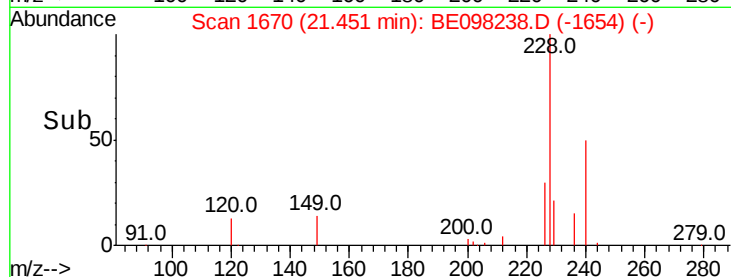
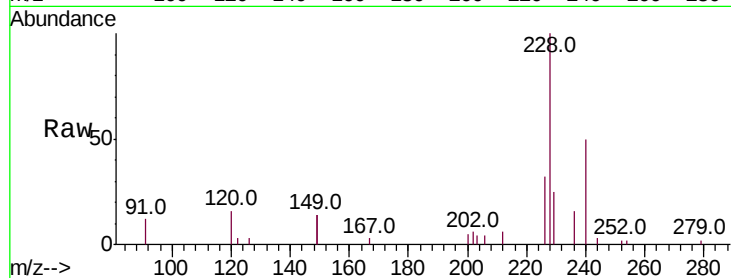
#30
Benzo(a)anthracene
Concen: 0.304 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	20.7	31.1#
229	24.6	16.2	24.4#

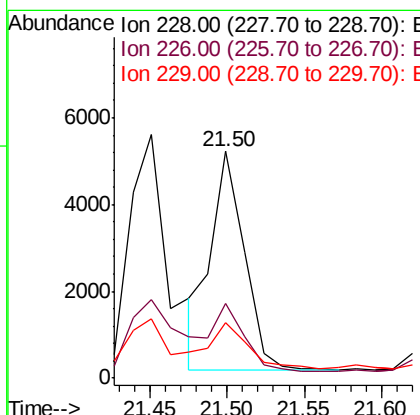
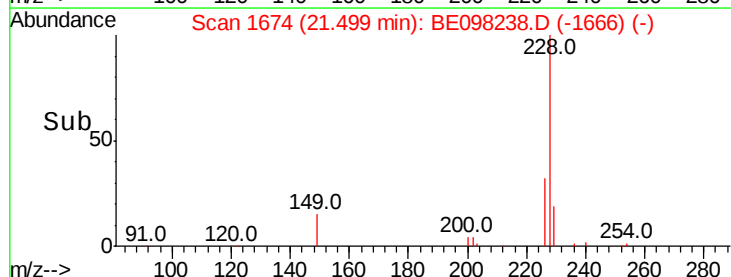
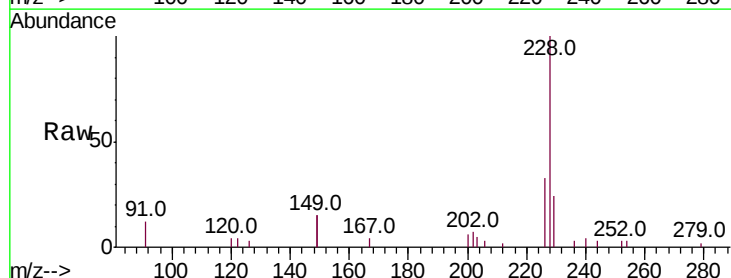
Manual Integrations
APPROVED

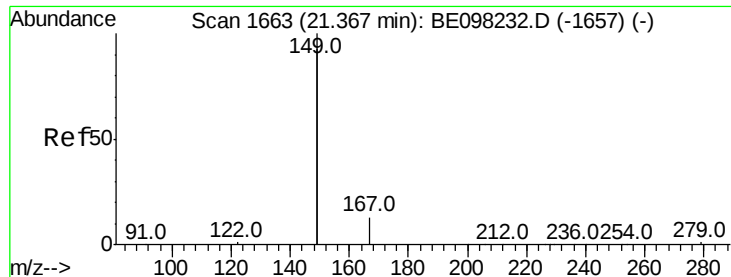
Sohil
11/19/2018 3:44:05 PM



#31
Chrysene
Concen: 0.228 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.6	36.8
229	24.4	16.0	24.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.245 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Instrument :

BNA_E

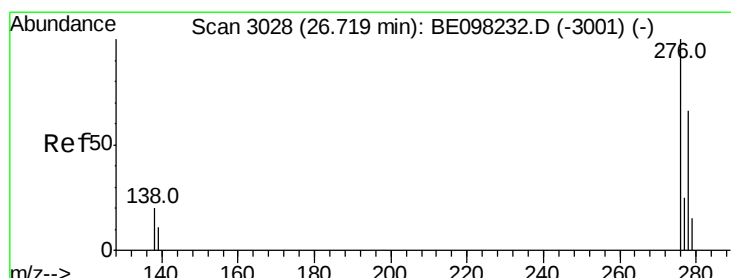
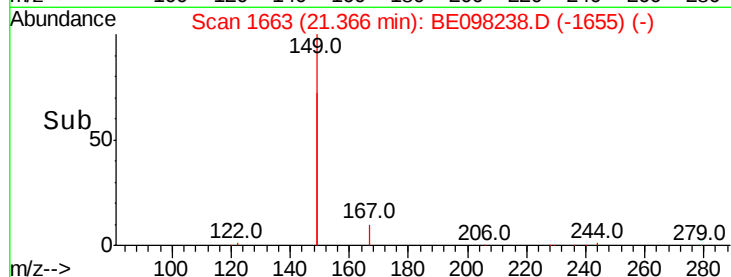
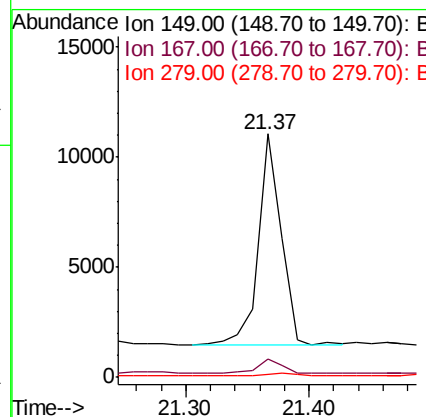
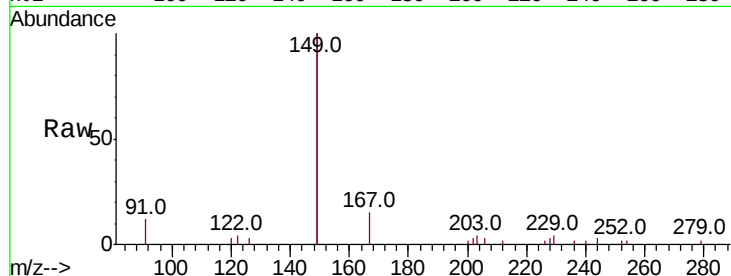
ClientSampled :

W-2

Tot Ion:	149	Resp:	12413
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.6	8.4
279	1.3	0.9	1.3

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.279 ng

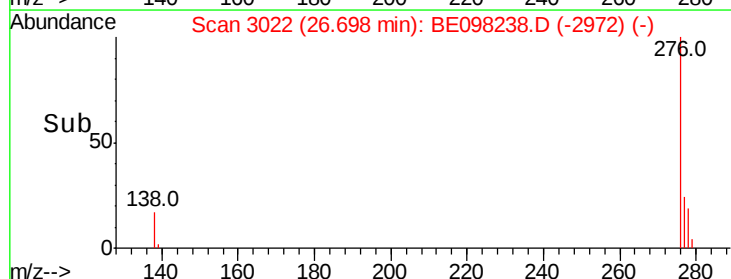
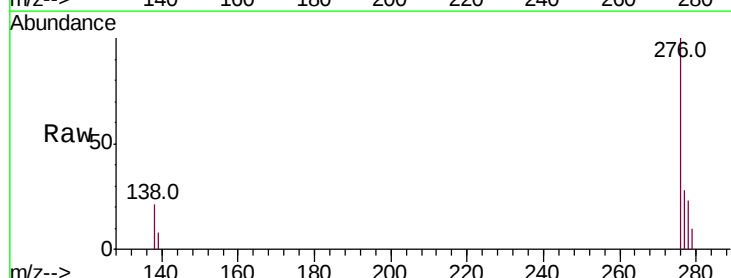
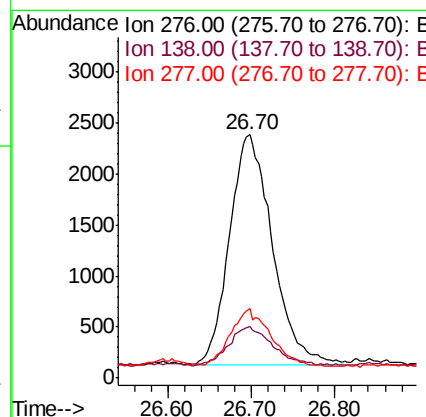
RT: 26.70 min Scan# 3022

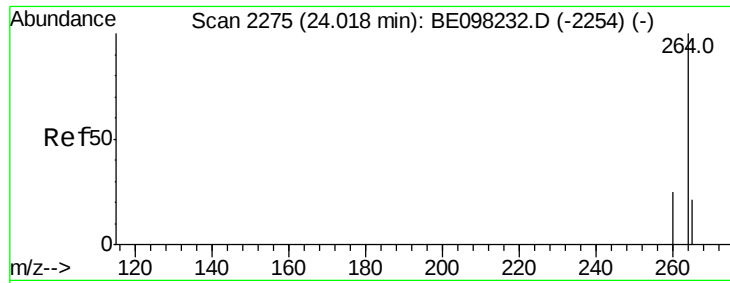
Delta R.T. -0.02 min

Lab File: BE098238.D

Acq: 16 Nov 2018 20:21

Tgt Ion:	276	Resp:	7989
Ion Ratio	Lower	Upper	
276	100		
138	17.7	6.4	9.6#
277	23.7	18.9	28.3





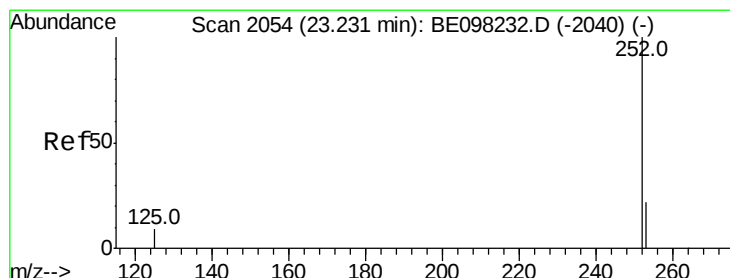
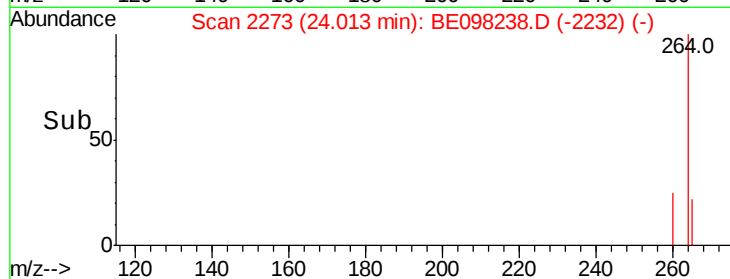
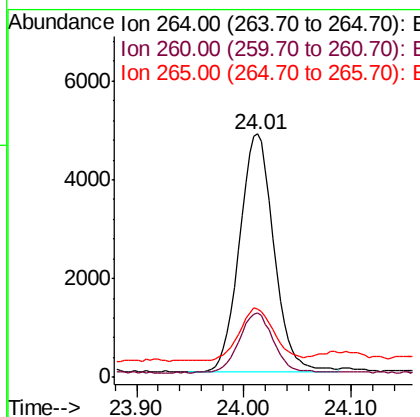
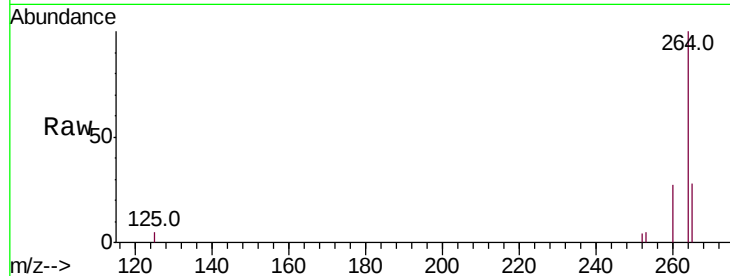
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BE098238.D
 Acq: 16 Nov 2018 20:21

Instrument :
 BNA_E
 ClientSampleId :
 W-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.9	29.9
265	27.9	21.3	31.9

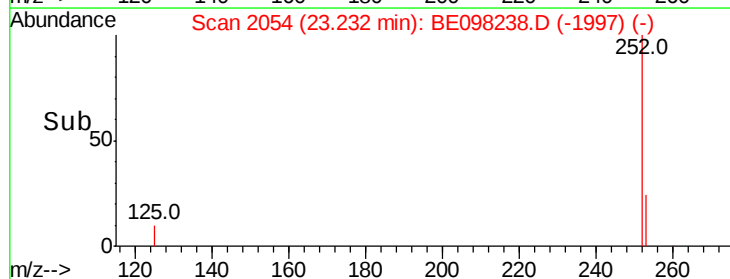
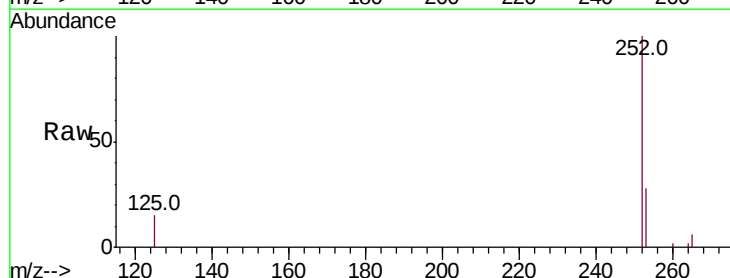
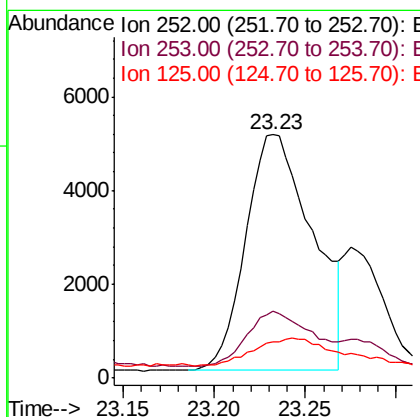
Manual Integrations
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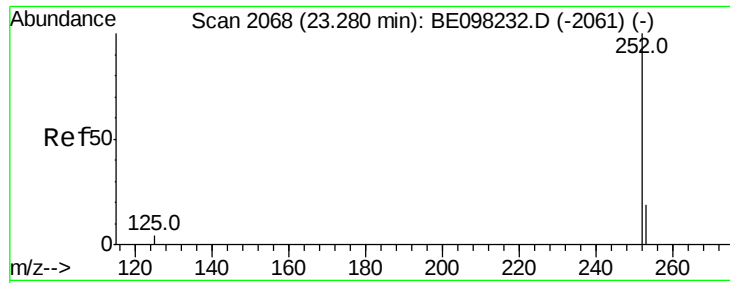
Sohil
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#35
 Benzo(b)fluoranthene
 Concen: 0.425 ng
 RT: 23.23 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BE098238.D
 Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.4	29.0
125	14.9	8.6	12.8





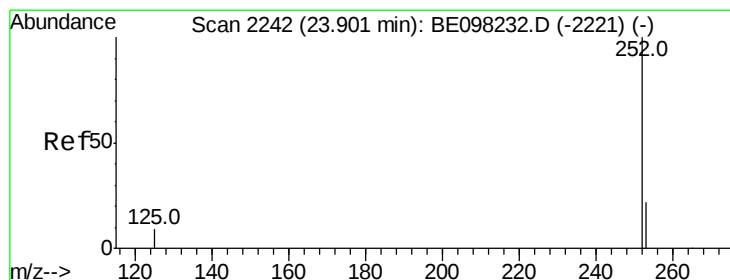
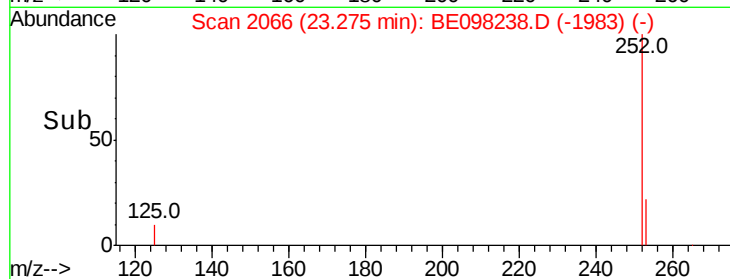
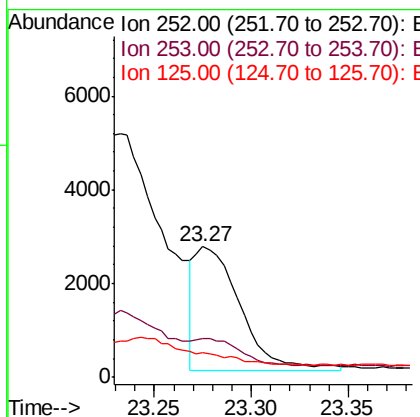
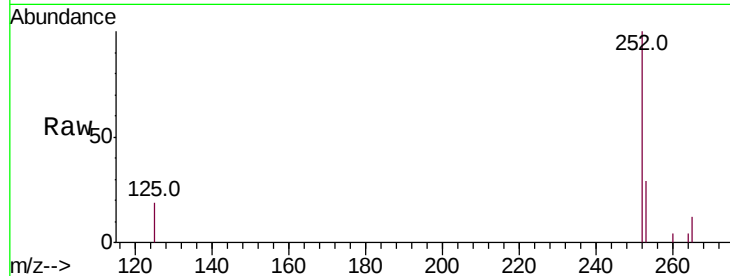
#36
Benzo(k)fluoranthene
Concen: 0.125 ng m
RT: 23.27 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.6	28.0#
125	18.8	7.4	11.0#

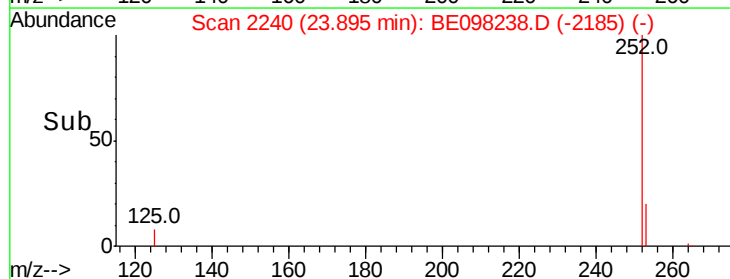
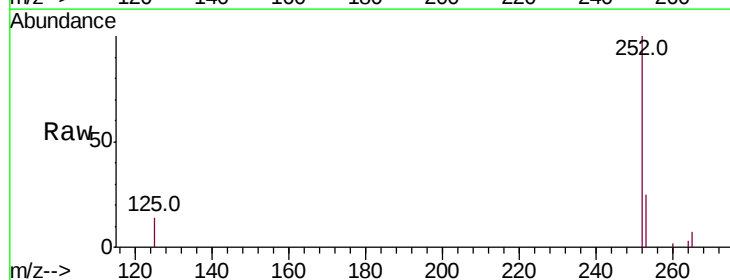
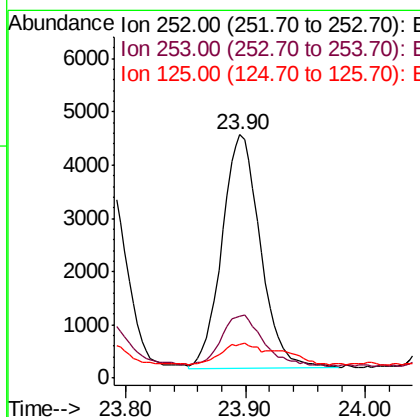
Manual Integrations
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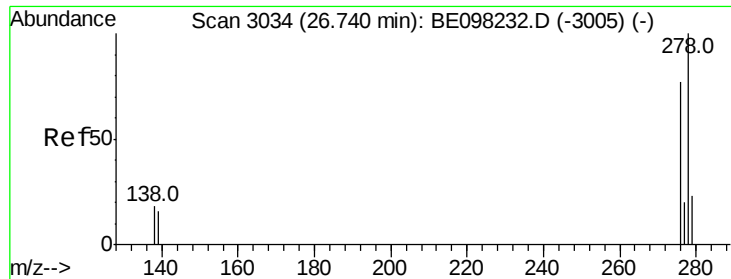
Sohil
11/19/2018 3:44:05 PM



#37
Benzo(a)pyrene
Concen: 0.325 ng
RT: 23.90 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.6	27.8
125	13.8	8.0	12.0#





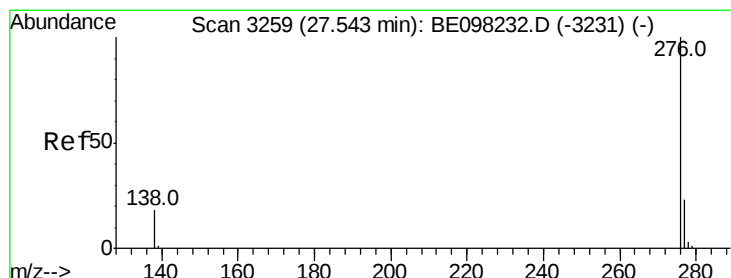
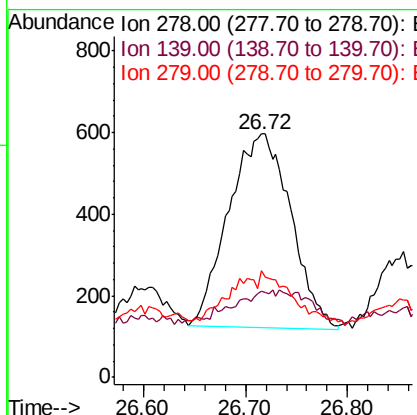
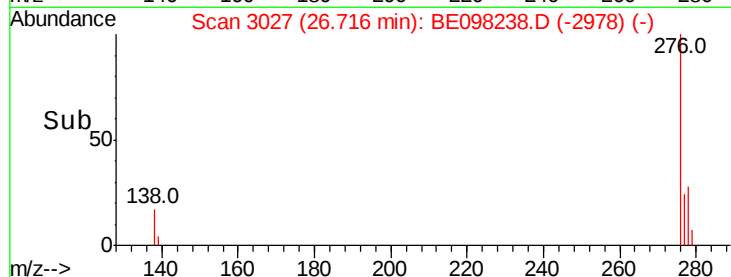
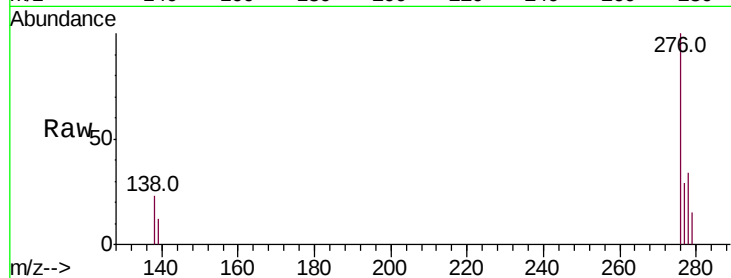
#38
Dibenzo(a,h)anthracene
Concen: 0.085 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.02 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Instrument :
BNA_E
ClientSampleId :
W-2

Tot Ion:278	Resp:	2025
Ion Ratio	Lower	Upper
278	100	
139	35.3	16.4 24.6#
279	43.7	21.3 31.9#

Manual Integrations
APPROVED

Sohil
11/19/2018 3:44:05 PM



#39
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 27.53 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BE098238.D
Acq: 16 Nov 2018 20:21

Tgt Ion:276	Resp:	9737
Ion Ratio	Lower	Upper
276	100	
277	27.0	20.4 30.6
138	20.1	13.2 19.8#

