

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100267.D
 Acq On : 1 Jul 2019 16:05
 Operator : JU/SJ
 Sample : K3428-03 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW168-061319

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:47:47 AM

Quant Time: Jul 02 03:21:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	833	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3027	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2428	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6652	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9423	0.40	ng	0.00
34) Perylene-d12	23.68	264	11135	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	93	0.04	ng	0.01
5) Phenol-d6	6.84	99	103	0.04	ng	0.00
8) Nitrobenzene-d5	8.82	82	124	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	513	0.09	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	75	0.04	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	341	0.04	ng	0.00
25) Fluoranthene-d10	19.10	212	7850	0.08	ng	0.00
29) Terphenyl-d14	19.70	244	2533	0.13	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	20086	0.602	ng	98
12) 2-Methylnaphthalene	12.12	142	3609	0.616	ng	96
16) Acenaphthylene	14.04	152	34946	2.999	ng	99
17) Acenaphthene	14.38	154	2297	0.348	ng	91
18) Fluorene	15.35	166	10039	1.028	ng	# 86
23) Phenanthrene	17.09	178	191048	11.850	ng	99
24) Anthracene	17.19	178	21520	1.482	ng	# 95
26) Fluoranthene	19.13	202	312808	12.181	ng	98
28) Pyrene	19.49	202	504255	20.212	ng	96
30) Benzo(a)anthracene	21.23	228	247541m	7.990	ng	
31) Chrysene	21.28	228	315208	10.132	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	4195	0.038	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.24	276	147635	3.588	ng	# 97
35) Benzo(b)fluoranthene	22.94	252	256430	8.494	ng	# 96
36) Benzo(k)fluoranthene	22.97	252	74810m	2.220	ng	
37) Benzo(a)pyrene	23.57	252	222530	7.355	ng	# 93
38) Dibenzo(a,h)anthracene	26.25	278	44352	1.404	ng	# 88
39) Benzo(a,h,i)perylene	27.03	276	180510	5.560	ng	98

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

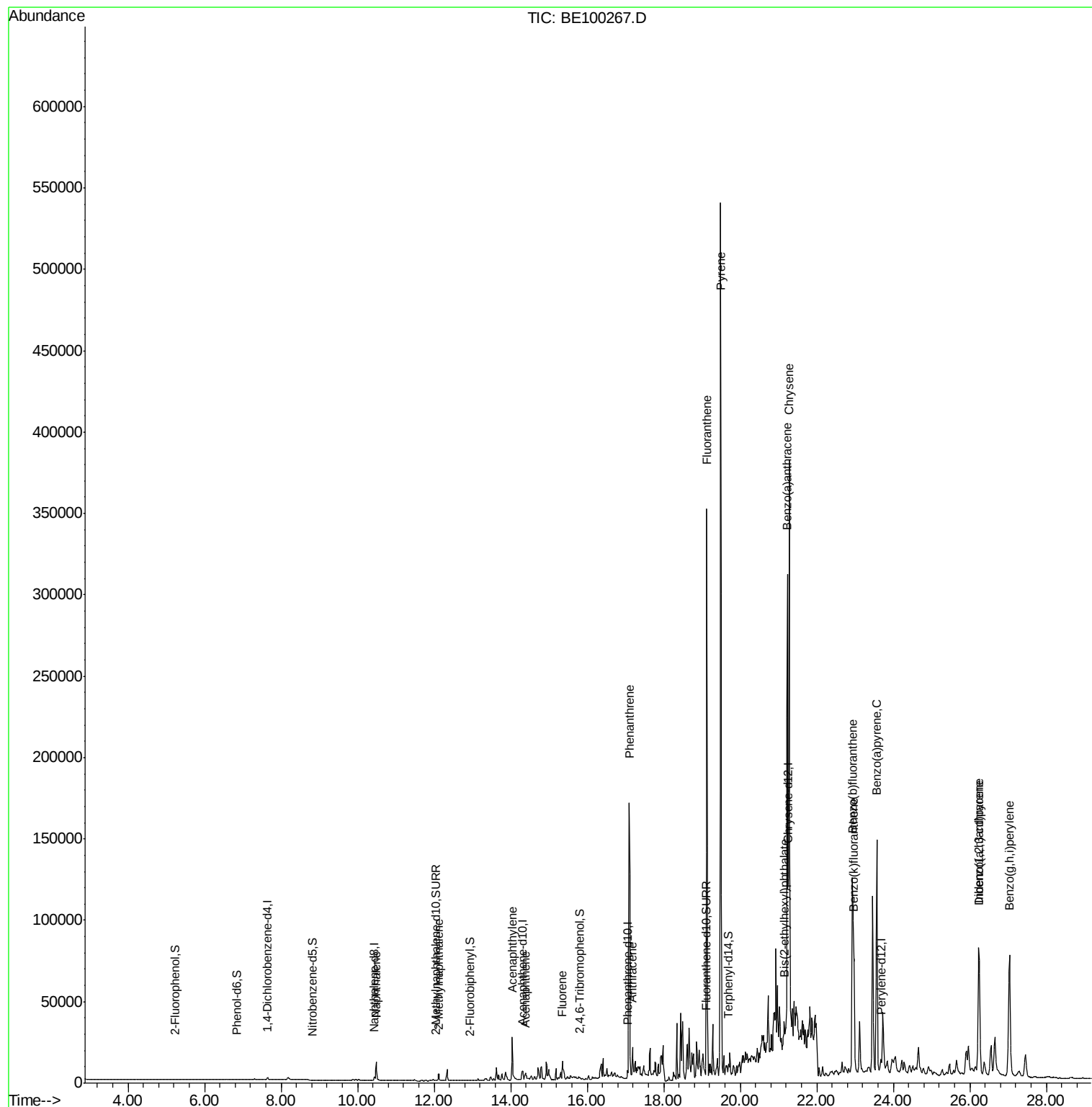
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

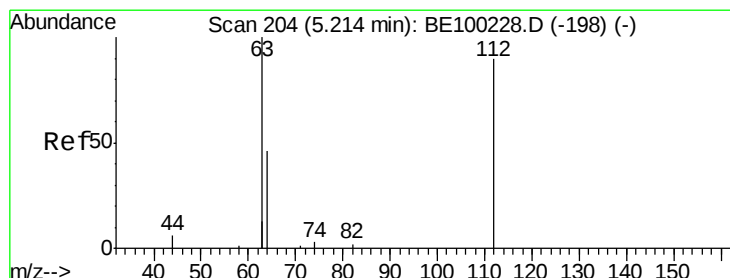
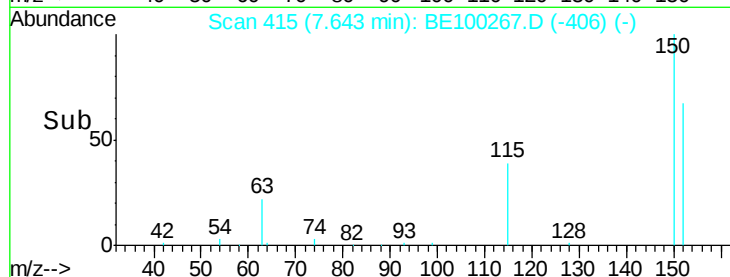
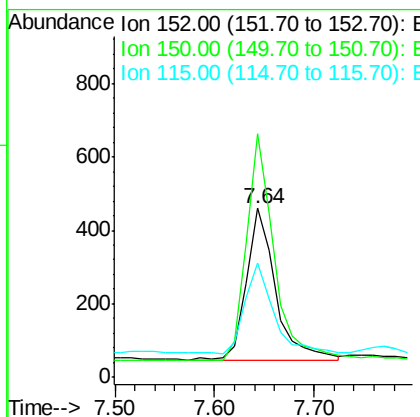
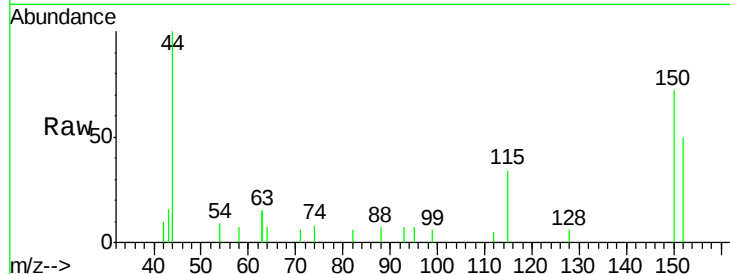
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.1	114.5	171.7
115	67.6	57.1	85.7

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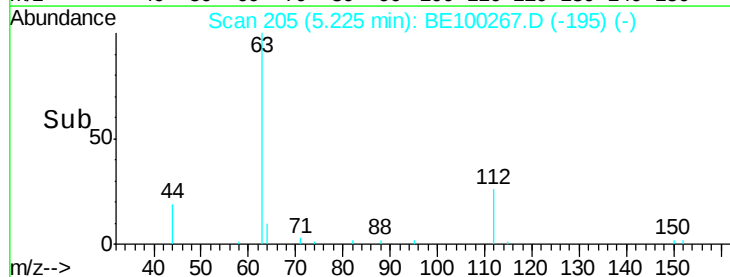
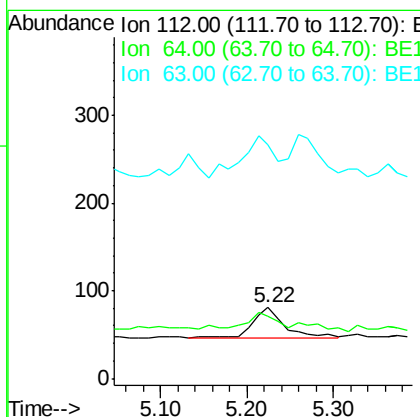
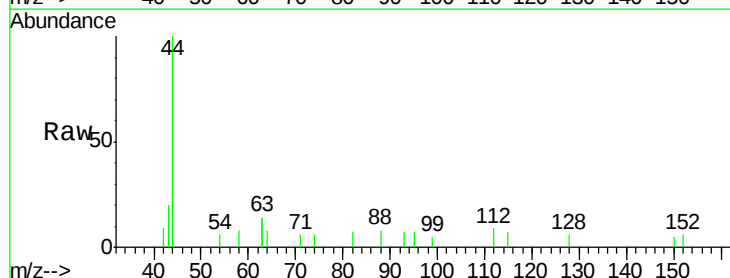
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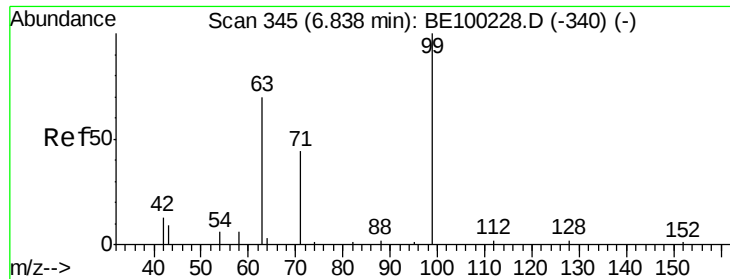


#4

2-Fluorophenol
Concen: 0.044 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.9	39.4	59.0
63	136.6	104.5	156.7





#5

Phenol-d6

Concen: 0.037 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

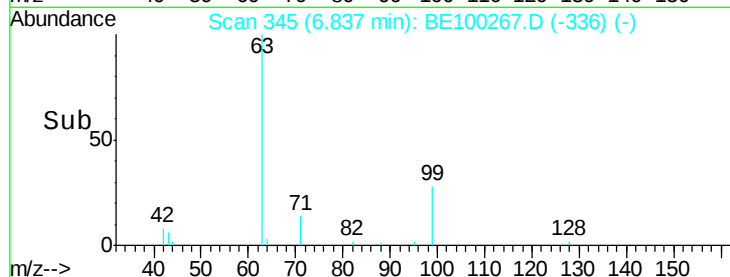
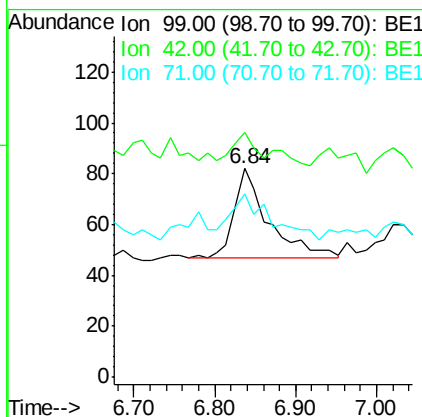
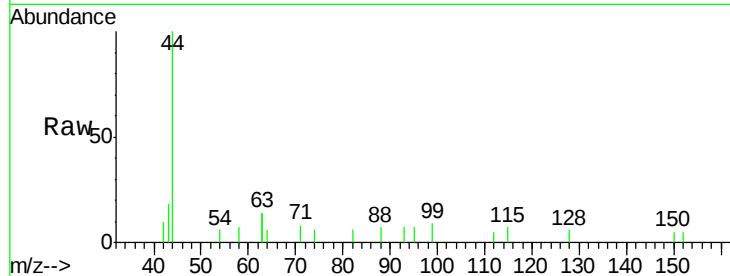
ClientSampleId :

EXT-084-SW168-061319

Tot Ion:	99	Resp:	103
Ion	Ratio	Lower	Upper
99	100		
42	17.5	11.2	16.8#
71	58.3	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

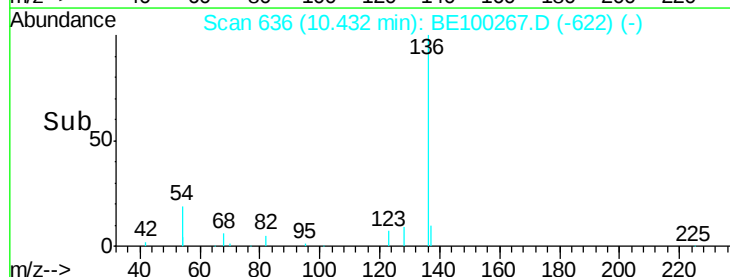
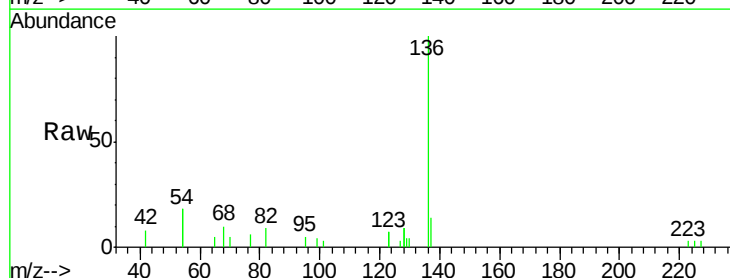
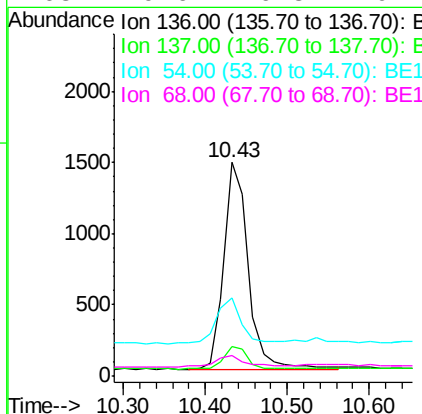
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Tgt Ion:	136	Resp:	3027
Ion	Ratio	Lower	Upper
136	100		
137	13.5	11.8	17.8
54	36.8	27.7	41.5
68	9.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.041 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

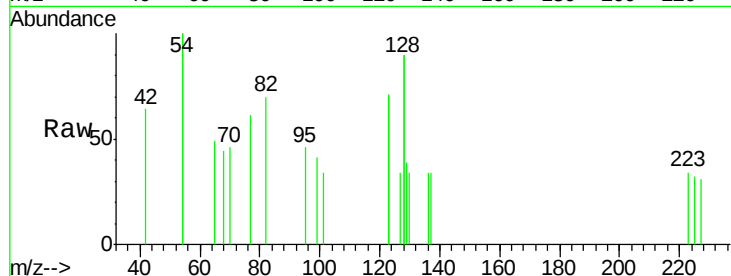
ClientSampleId :

EXT-084-SW168-061319

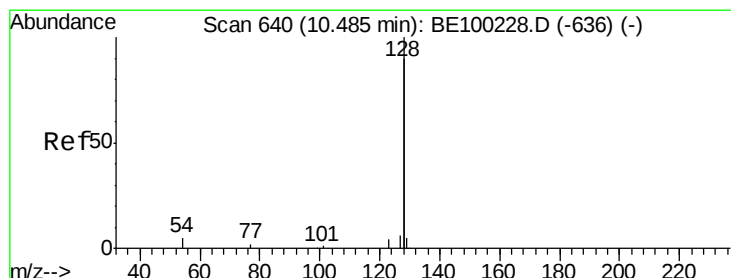
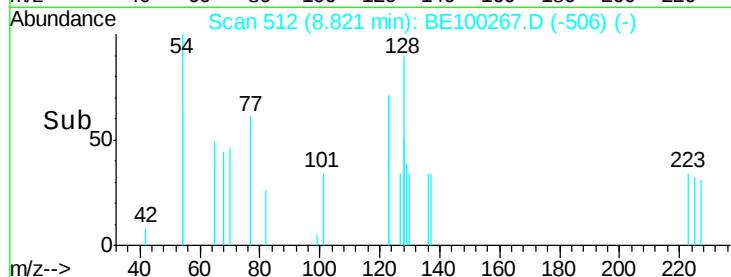
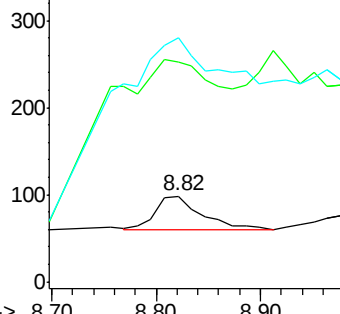
Tot Ion:	82	Resp:	124
Ion	Ratio	Lower	Upper
82	100		
128	257.1	140.9	211.3#
54	285.7	146.2	219.2#

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.602 ng

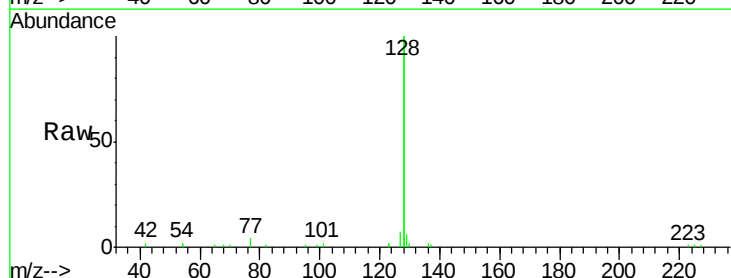
RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

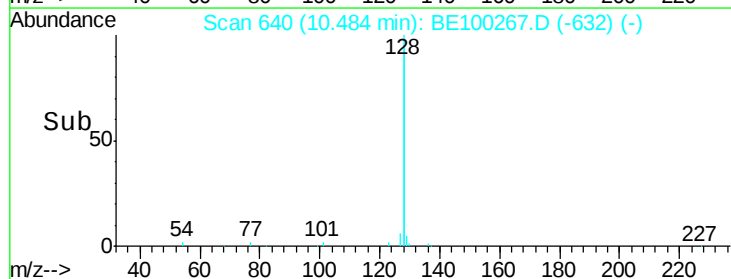
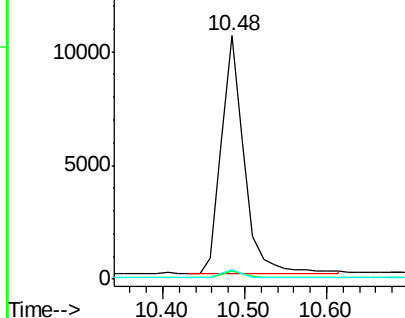
Lab File: BE100267.D

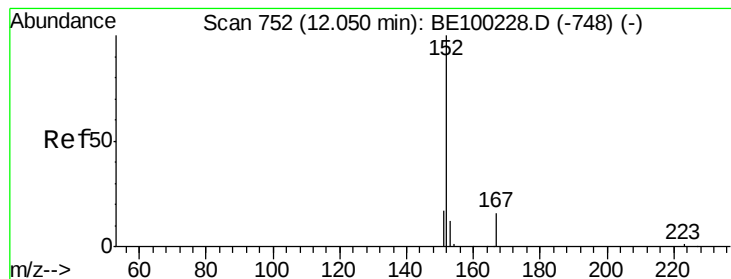
Acq: 1 Jul 2019 16:05

Tgt Ion:	128	Resp:	20086
Ion	Ratio	Lower	Upper
128	100		
129	3.2	3.0	4.6
127	3.6	3.5	5.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





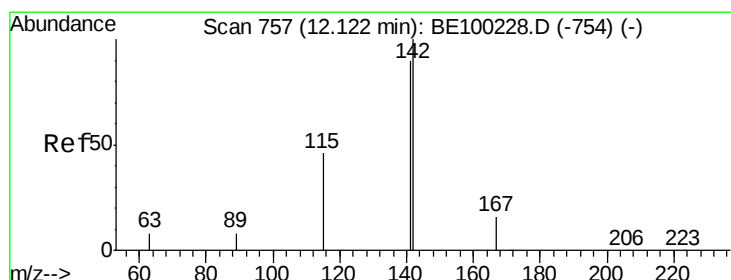
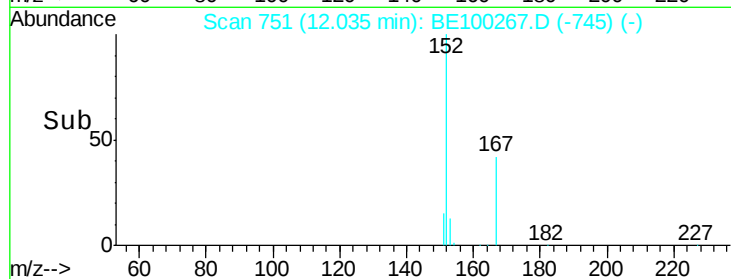
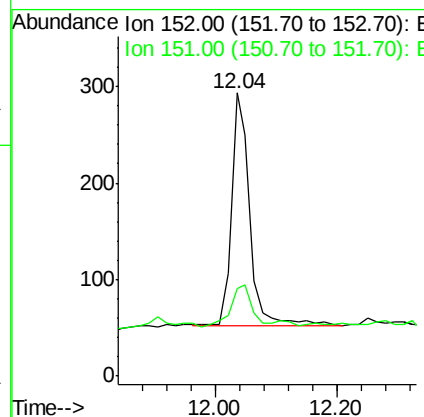
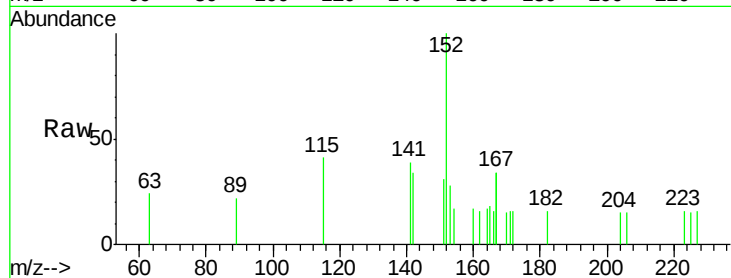
#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.02 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion:152 Resp: 513
Ion Ratio Lower Upper
152 100
151 21.1 15.1 22.7

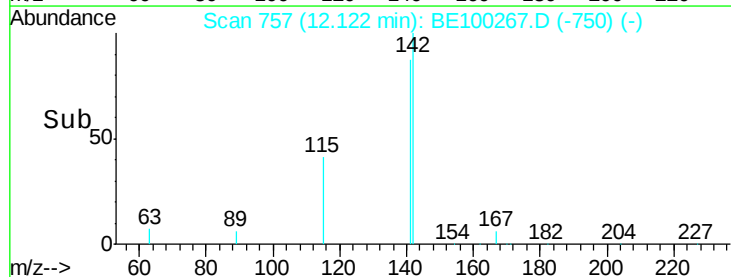
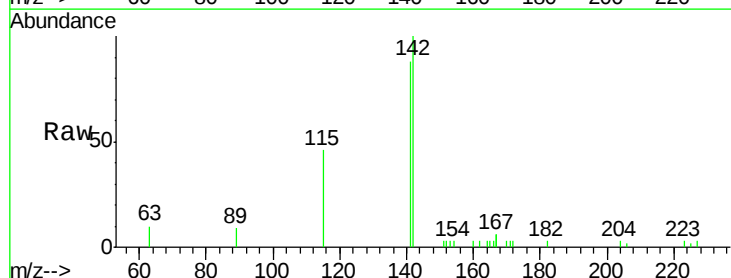
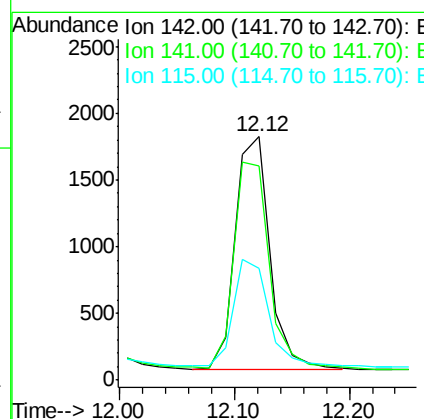
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#12
2-Methylnaphthalene
Concen: 0.616 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion:142 Resp: 3609
Ion Ratio Lower Upper
142 100
141 88.1 72.4 108.6
115 45.8 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

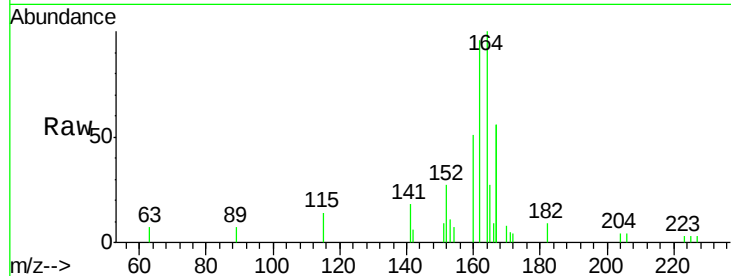
ClientSampleId :

EXT-084-SW168-061319

Tot Ion:	164	Resp:	2428
Ion Ratio	Lower	Upper	
164	100		
162	96.3	83.4	125.0
160	51.0	45.0	67.6

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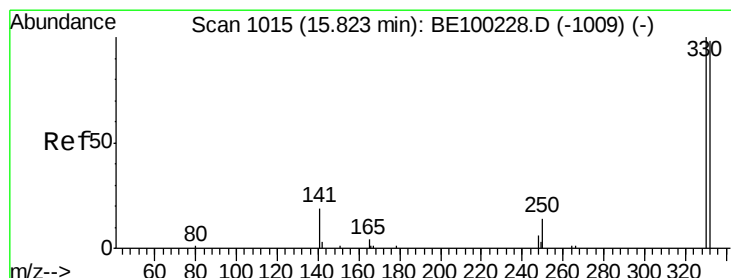
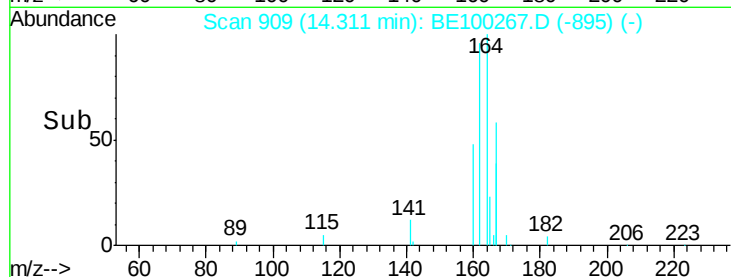
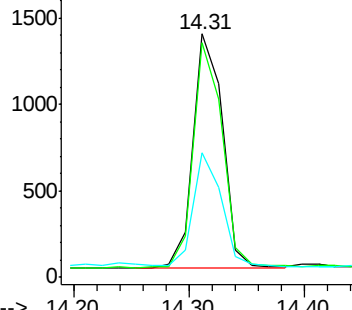
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.044 ng

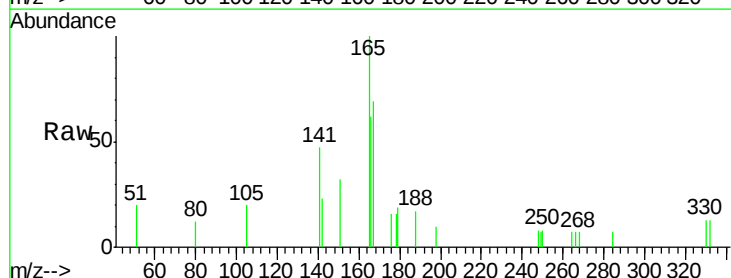
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

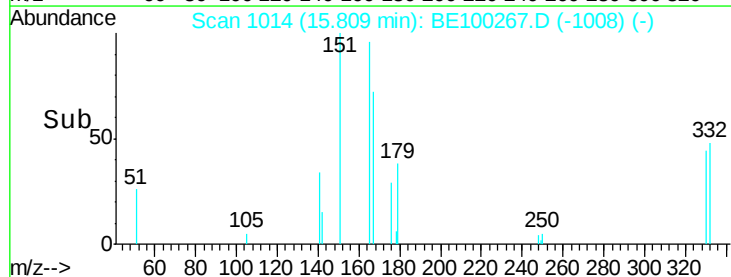
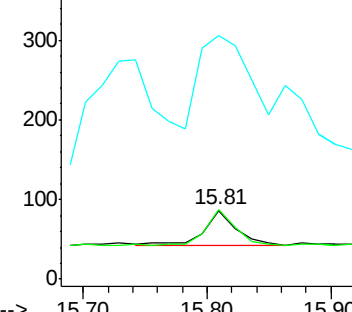
Tgt Ion:	330	Resp:	75
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.0	115.4
141	994.7	22.0	33.0#



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





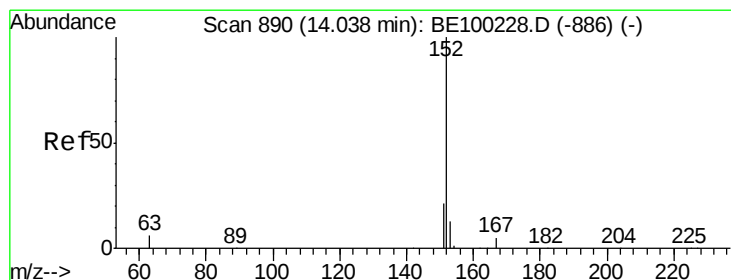
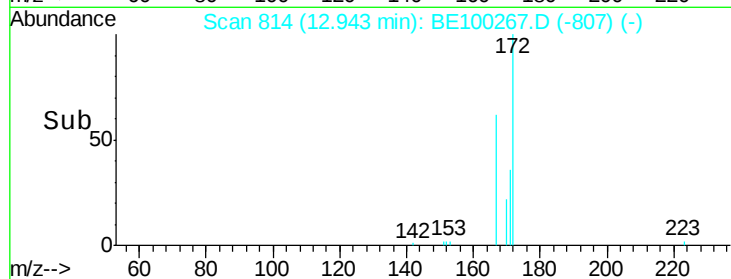
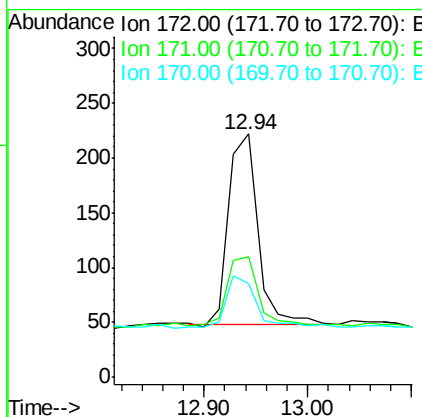
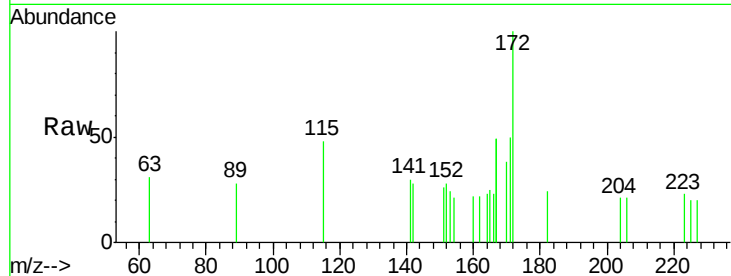
#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	49.5	31.9	47.9#
170	38.3	22.2	33.2#

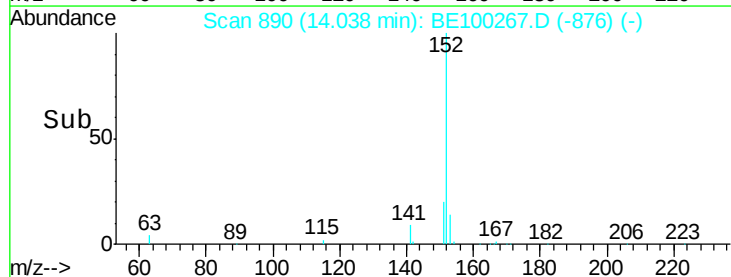
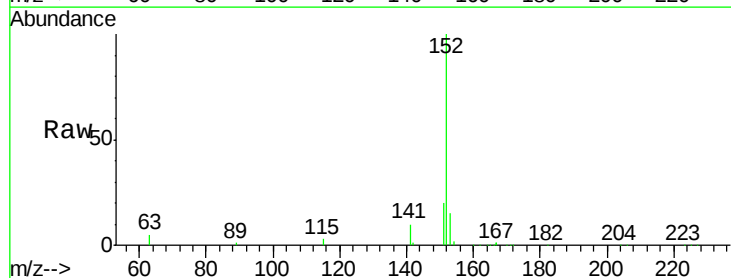
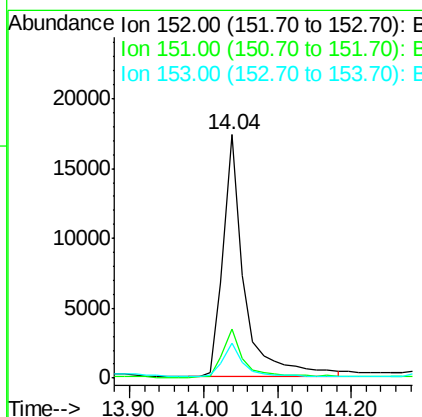
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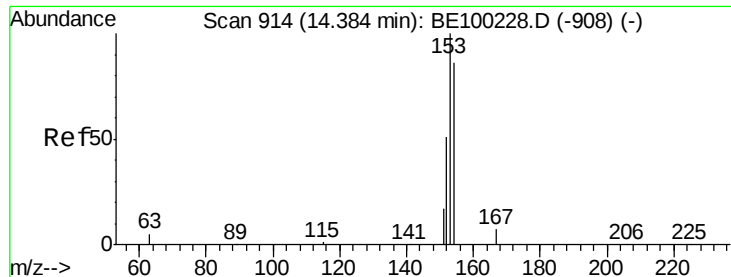
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#16
Acenaphthylene
Concen: 2.999 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.5	10.5	15.7





#17

Acenaphthene

Concen: 0.348 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

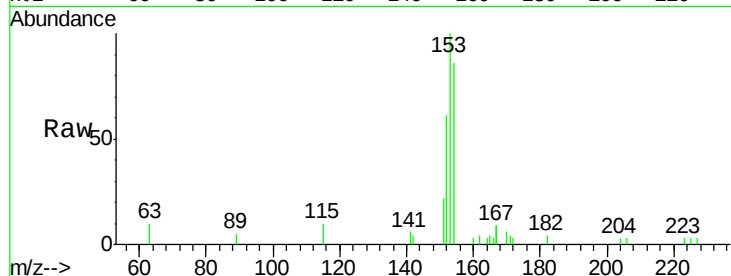
ClientSampleId :

EXT-084-SW168-061319

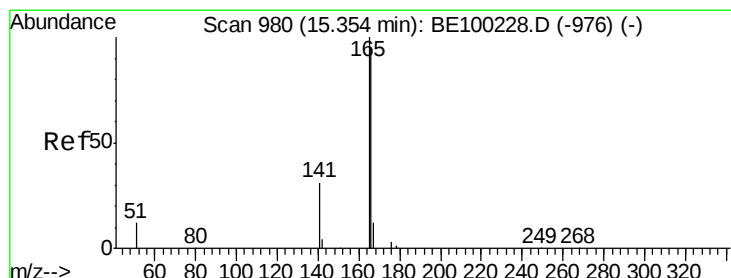
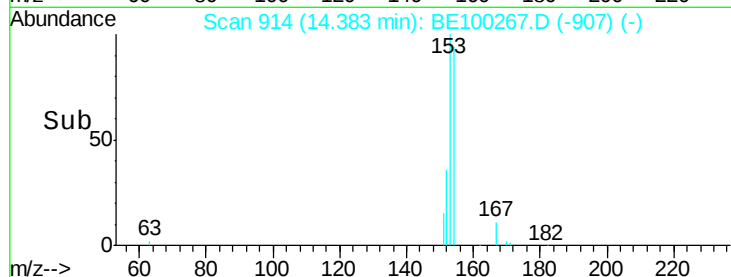
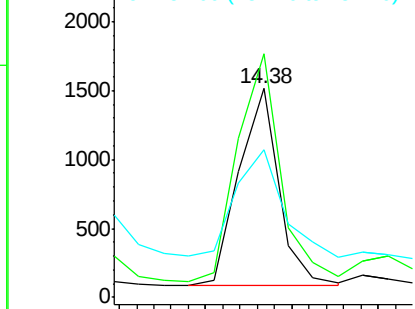
Tot Ion:	154	Resp:	2297
Ion Ratio	Lower	Upper	
154	100		
153	125.2	93.4	140.2
152	70.1	49.4	74.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 1.028 ng

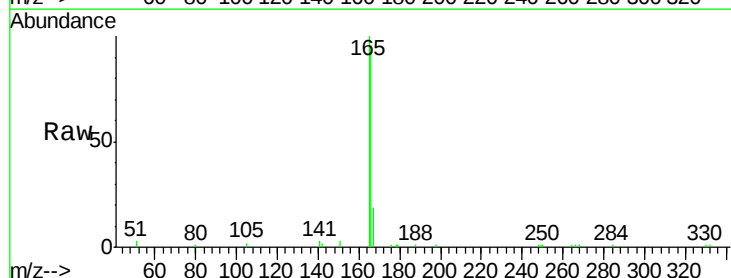
RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

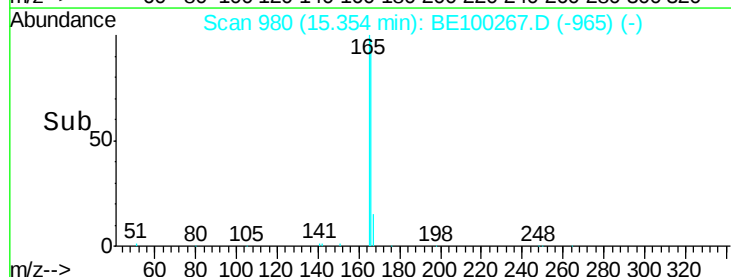
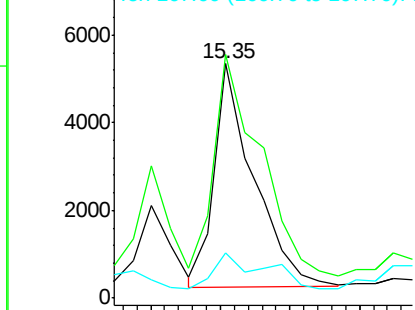
Lab File: BE100267.D

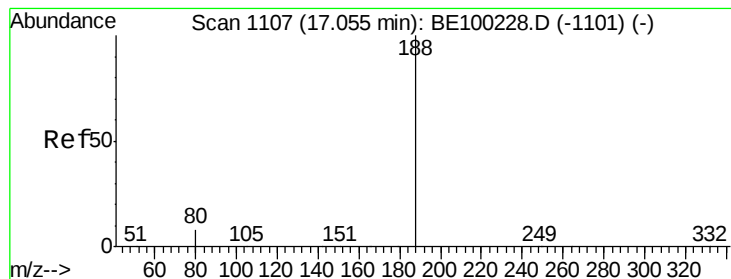
Acq: 1 Jul 2019 16:05

Tgt Ion:	166	Resp:	10039
Ion Ratio	Lower	Upper	
166	100		
165	115.3	81.1	121.7
167	21.1	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

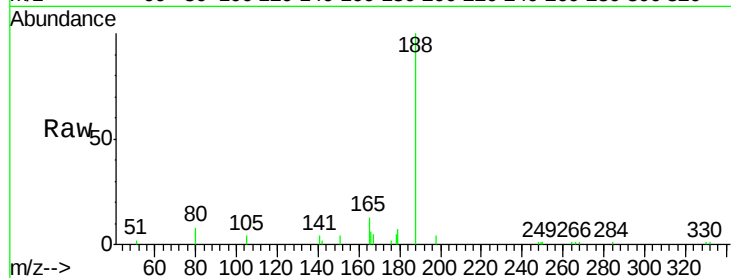
ClientSampleId :

EXT-084-SW168-061319

Tot Ion:	188	Resp:	6652
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.0	7.6	11.4

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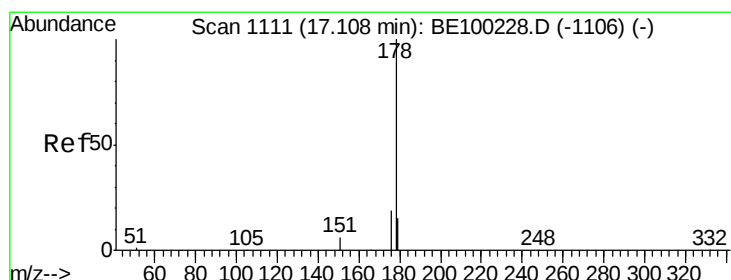
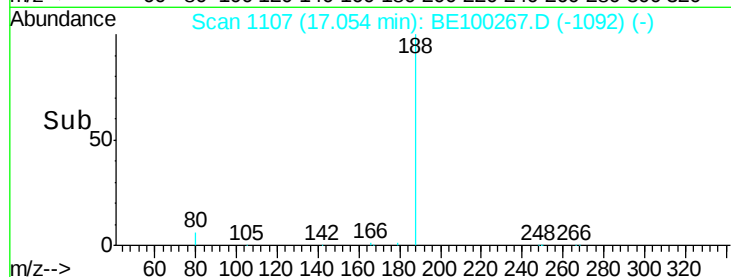
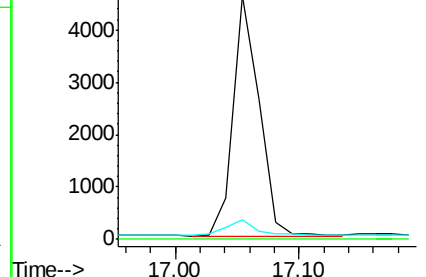
mohammad
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 11.850 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100267.D

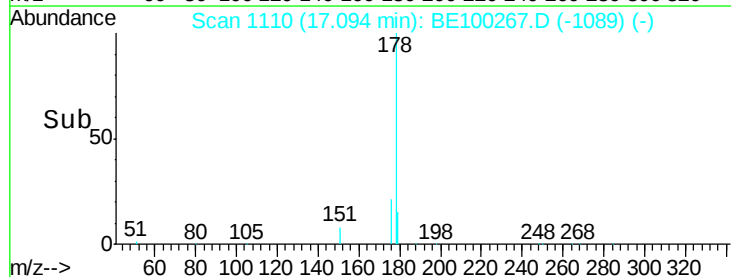
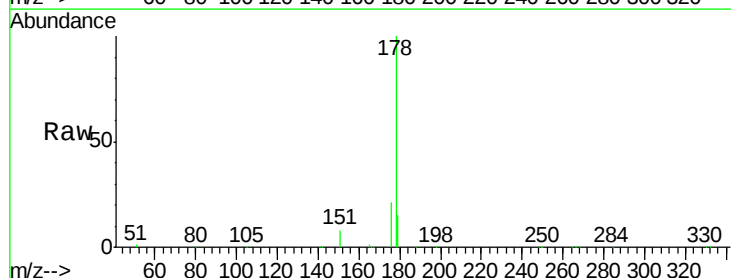
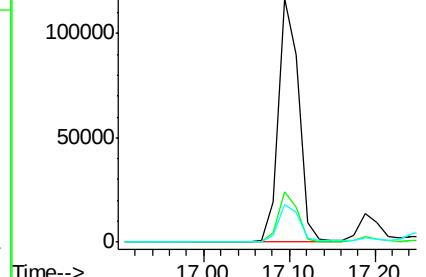
Acq: 1 Jul 2019 16:05

Tgt Ion:	178	Resp:	191048
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	15.8	12.2	18.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





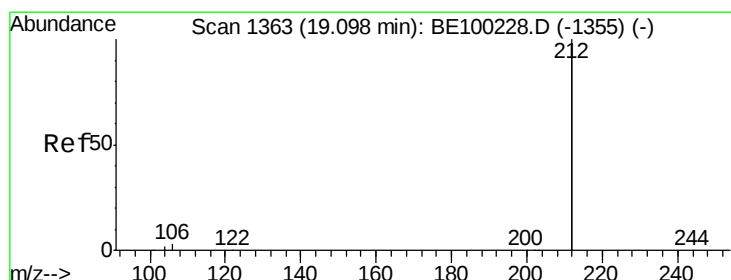
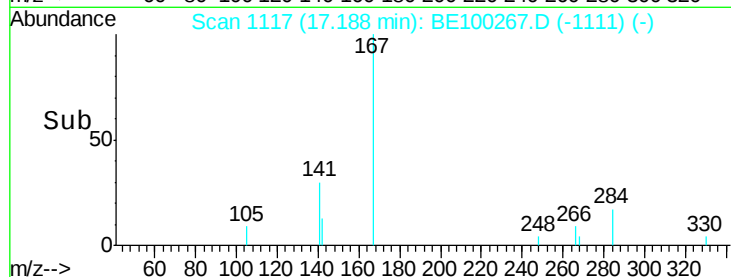
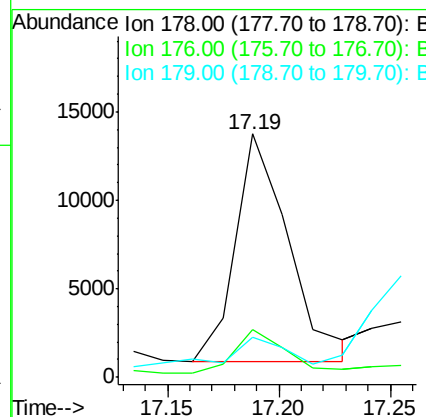
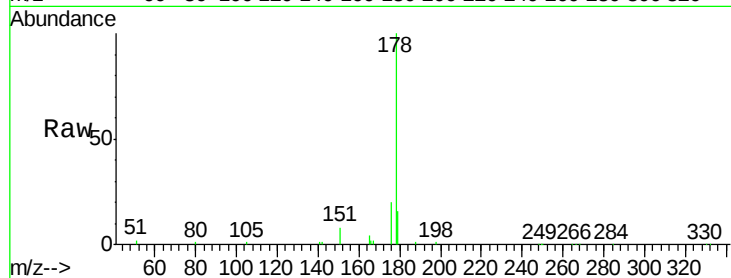
#24
 Anthracene
 Concen: 1.482 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100267.D
 Acq: 1 Jul 2019 16:05

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	10.5	12.2	18.2

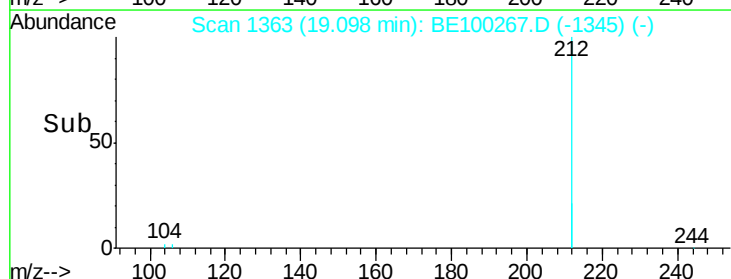
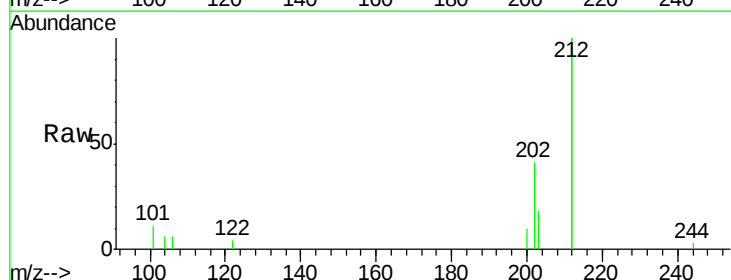
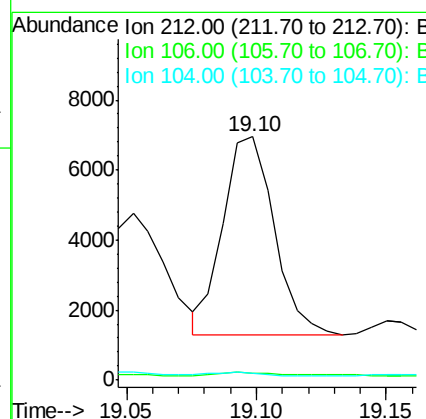
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#25
 Fluoranthene-d10
 Concen: 0.081 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100267.D
 Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.8	0.8	1.2





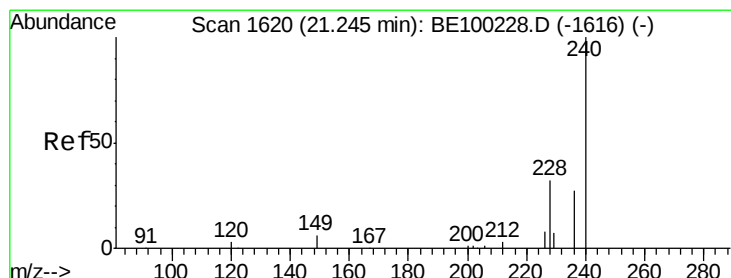
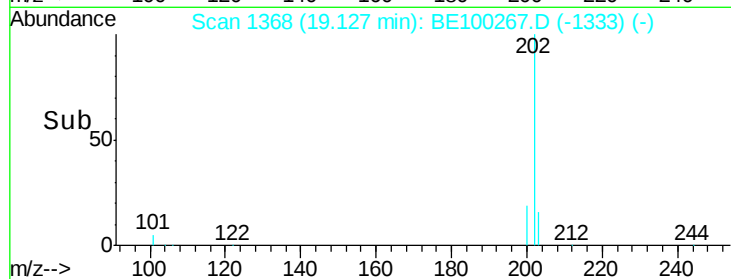
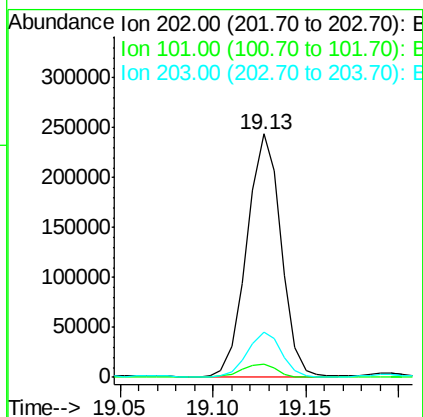
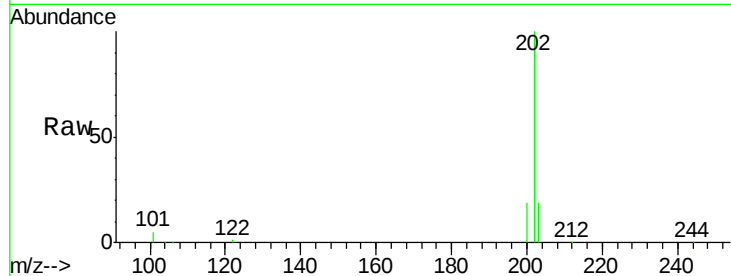
#26
Fluoranthene
Concen: 12.181 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	18.3	13.7	20.5

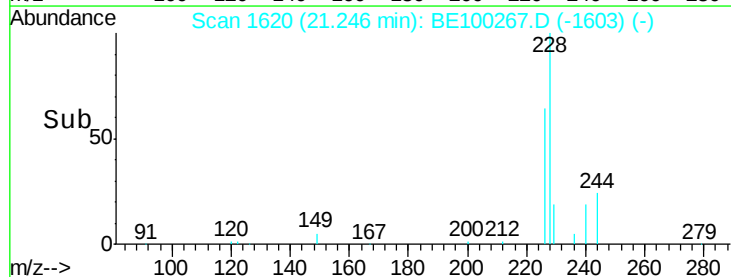
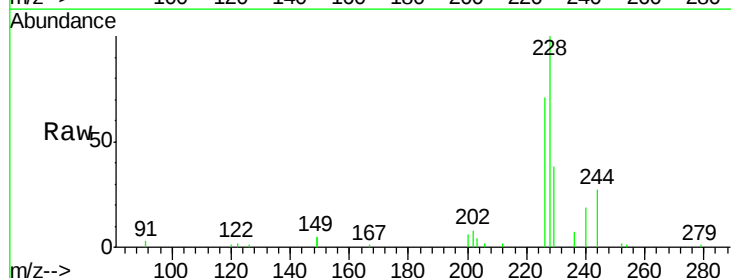
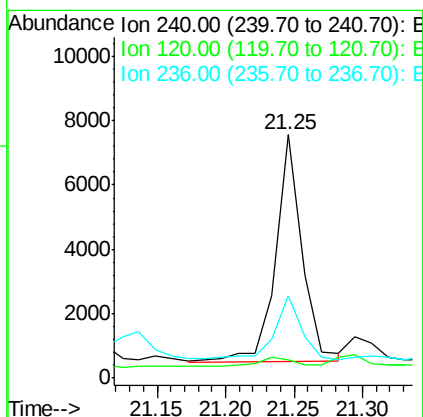
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	3.3	4.9#
236	33.6	22.6	34.0





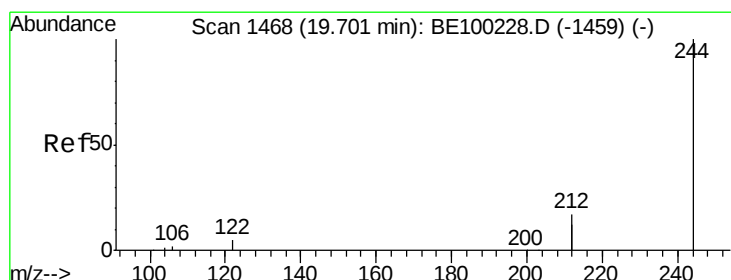
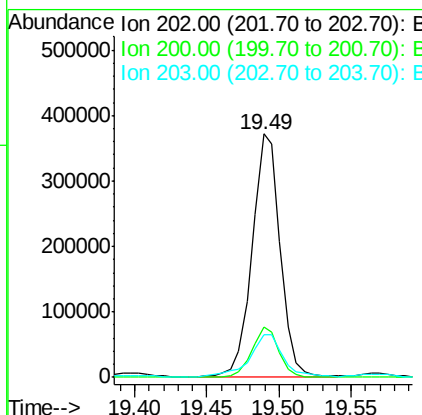
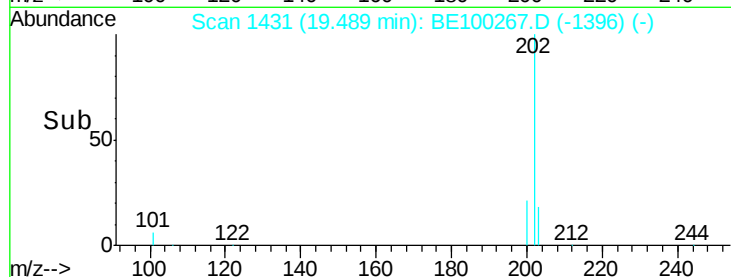
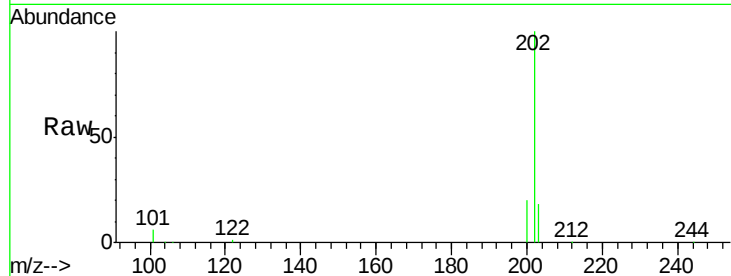
#28
Pvrene
Concen: 20.212 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	15.6	23.4
203	20.7	14.0	21.0

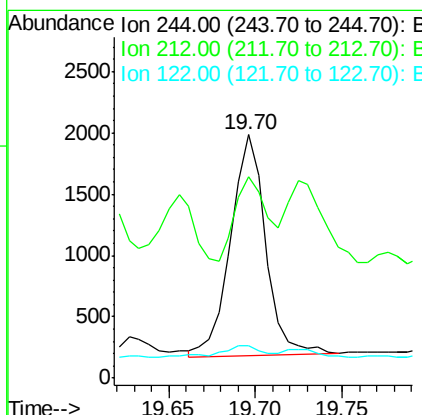
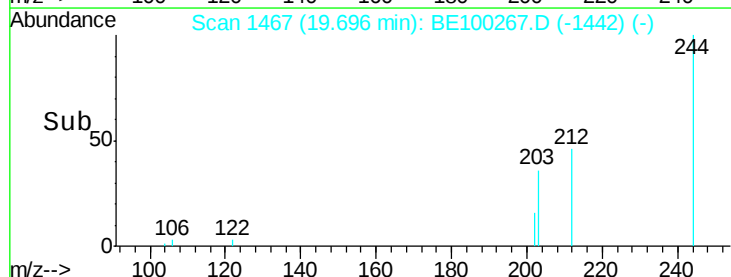
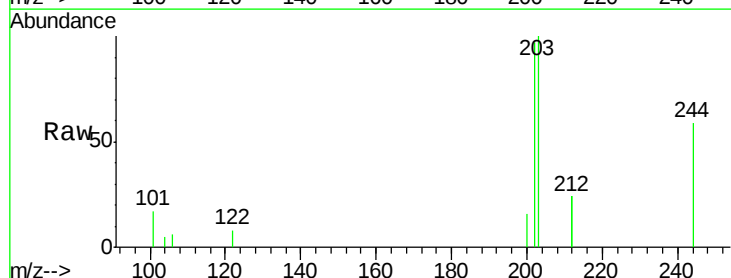
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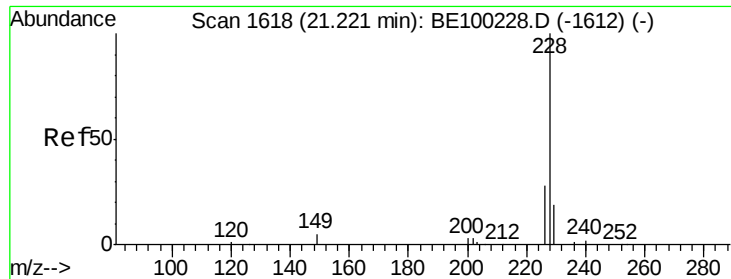
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#29
Terphenyl-d14
Concen: 0.130 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	82.6	27.3	40.9#
122	13.4	4.7	7.1#





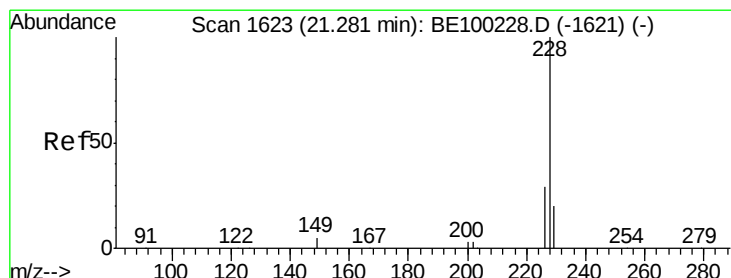
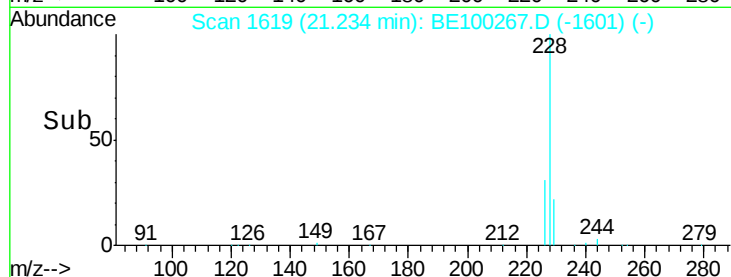
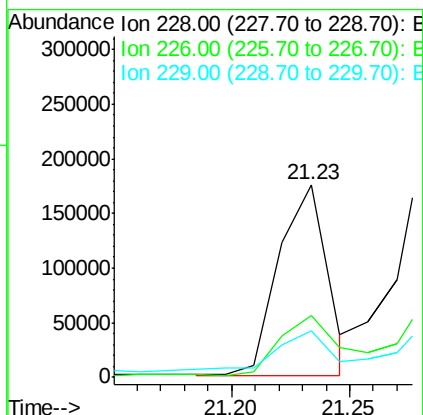
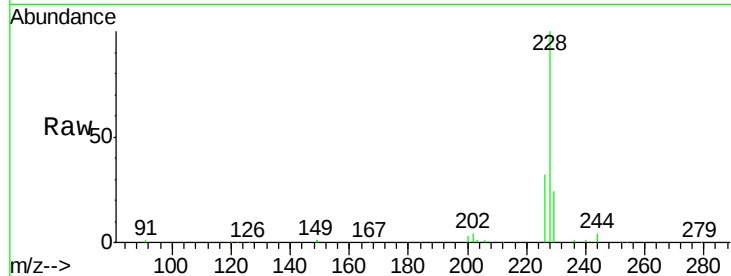
#30
Benzo(a)anthracene
Concen: 7.990 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.2	34.8
229	24.2	15.7	23.5

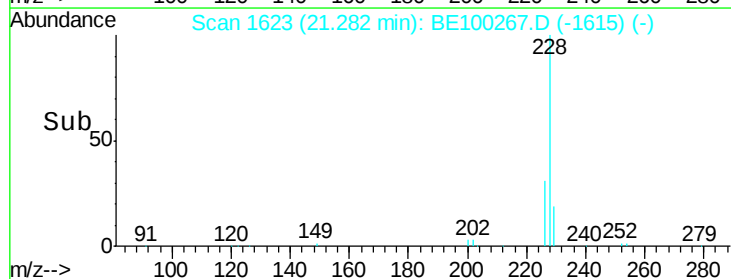
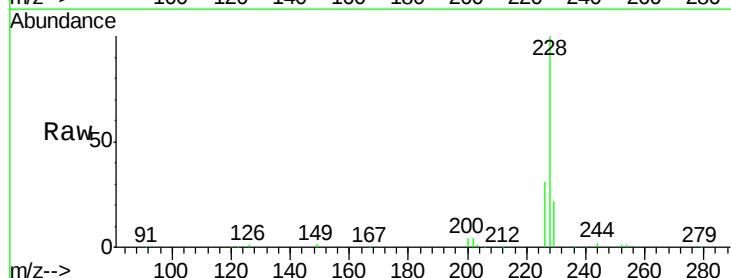
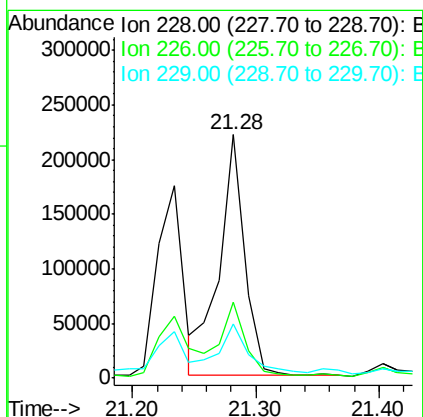
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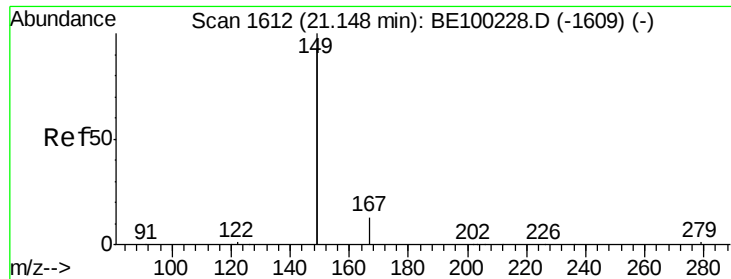
mohammad
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#31
Chrysene
Concen: 10.132 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	22.3	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.038 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Instrument :

BNA_E

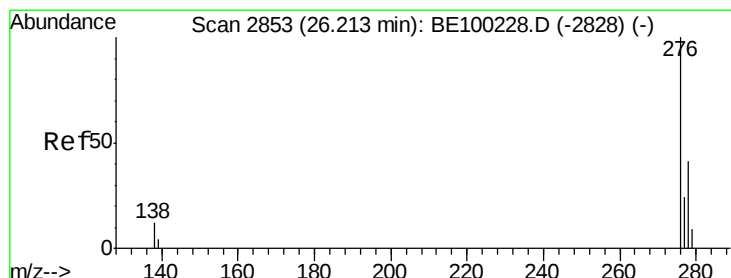
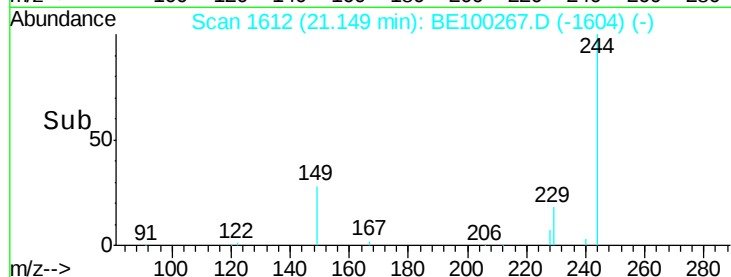
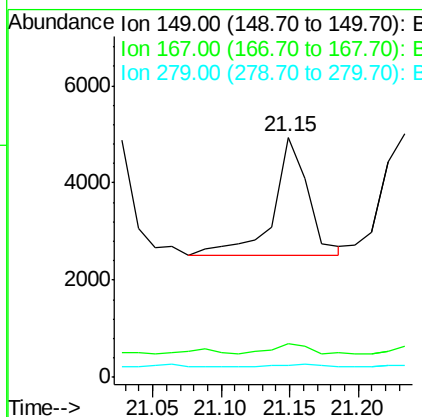
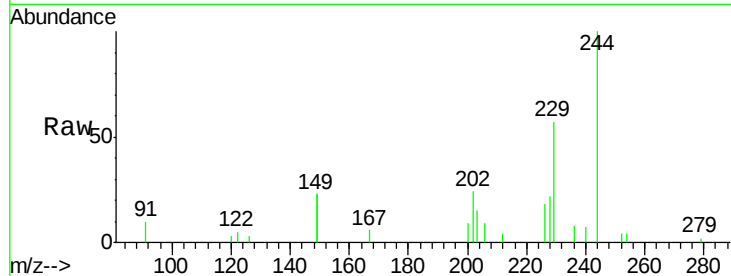
ClientSampleId :

EXT-084-SW168-061319

Tot Ion:	149	Resp:	4195
Ion Ratio	Lower	Upper	
149	100		
167	9.5	5.8	8.8#
279	2.9	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.588 ng

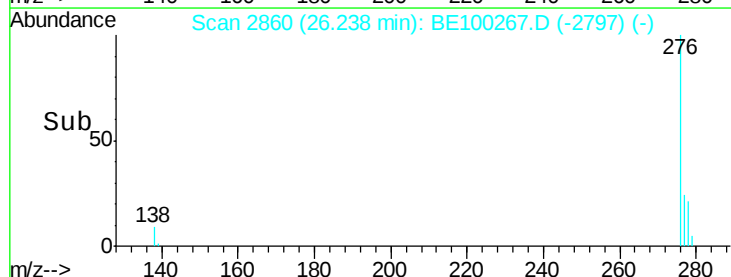
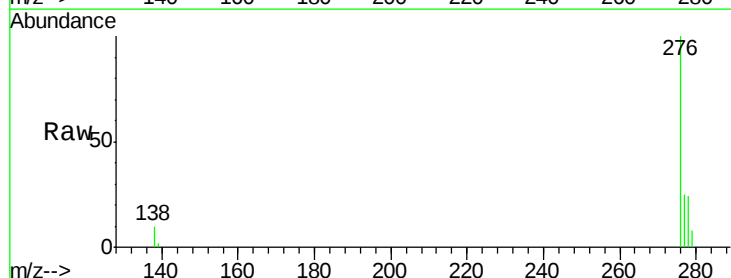
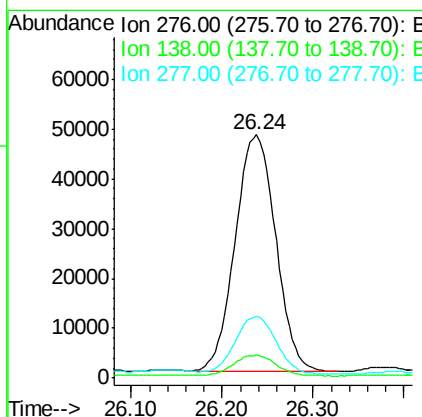
RT: 26.24 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BE100267.D

Acq: 1 Jul 2019 16:05

Tgt Ion:	276	Resp:	147635
Ion Ratio	Lower	Upper	
276	100		
138	9.2	9.4	14.0#
277	25.0	19.2	28.8





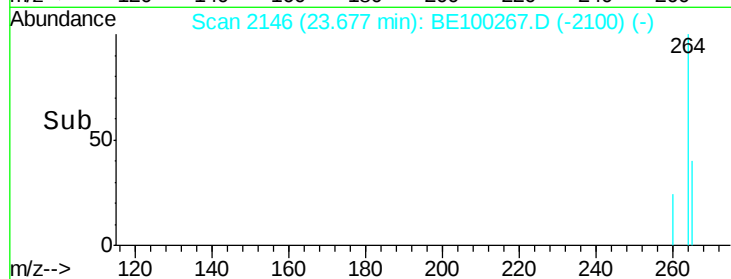
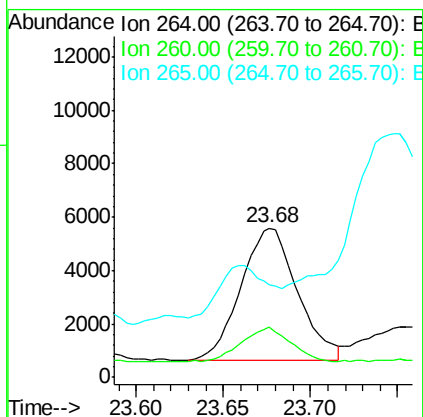
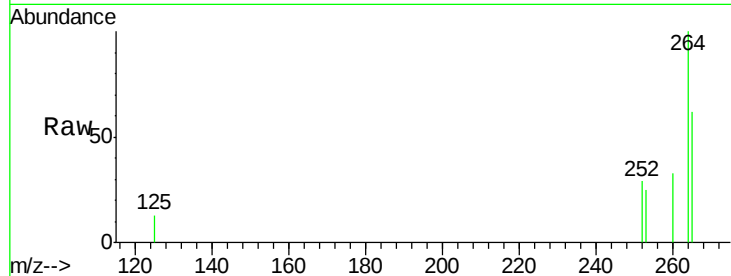
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: BE100267.D
 Acq: 1 Jul 2019 16:05

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.4	20.8	31.2#
265	61.8	21.8	32.6#

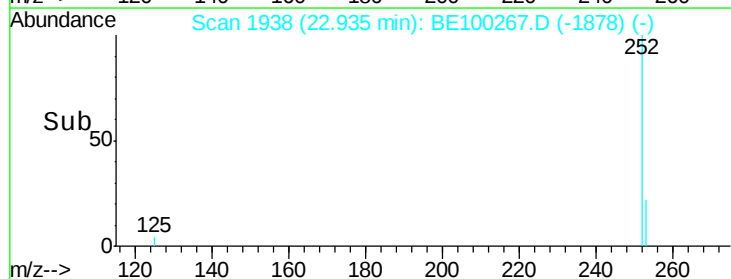
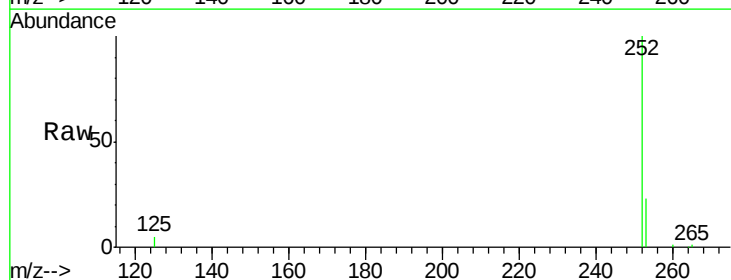
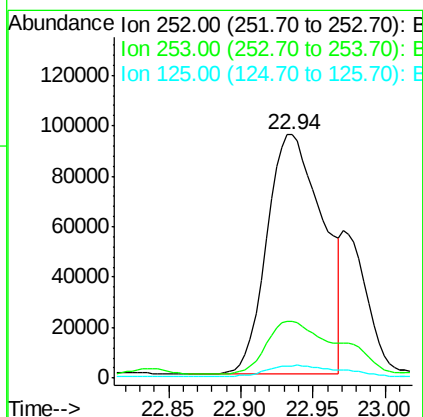
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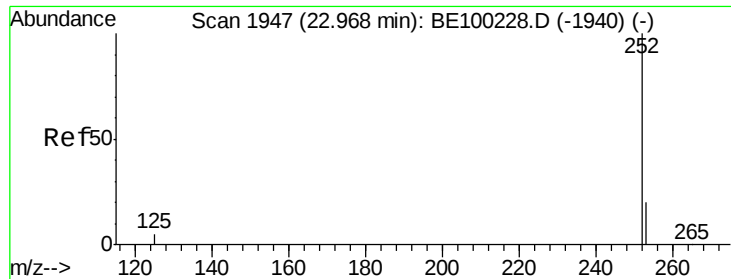
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#35
 Benzo(b)fluoranthene
 Concen: 8.494 ng
 RT: 22.94 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: BE100267.D
 Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	5.1	7.4	11.0#





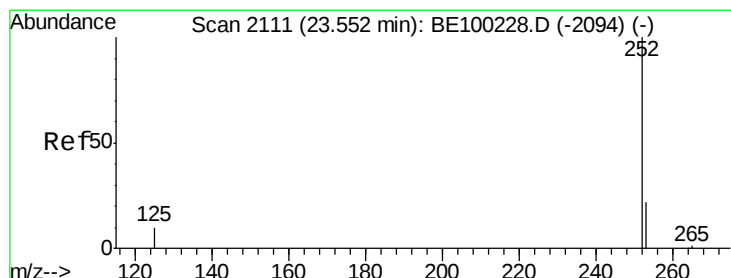
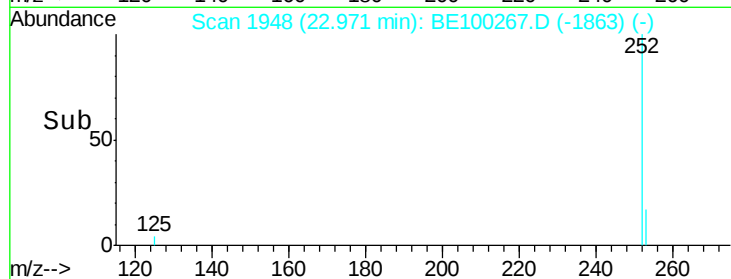
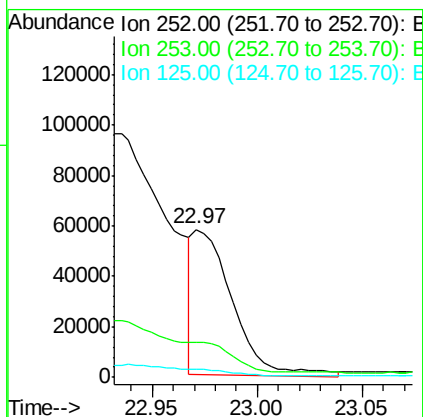
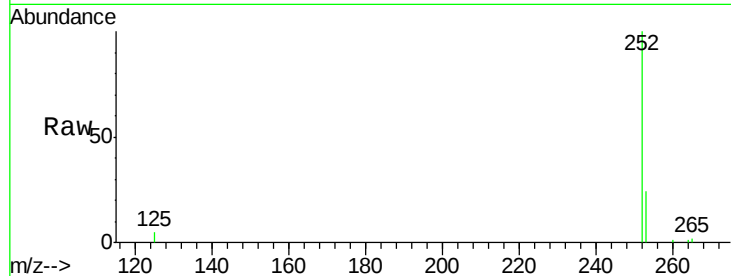
#36
Benzo(k)fluoranthene
Concen: 2.220 ng
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	5.3	5.0	7.4

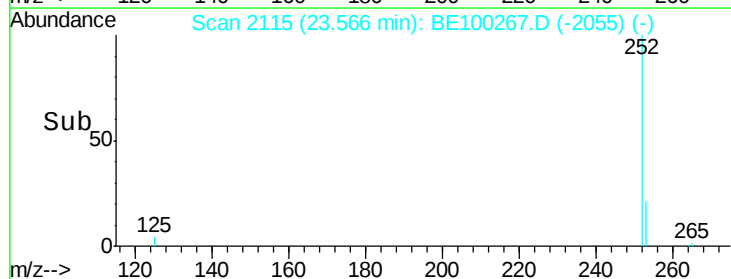
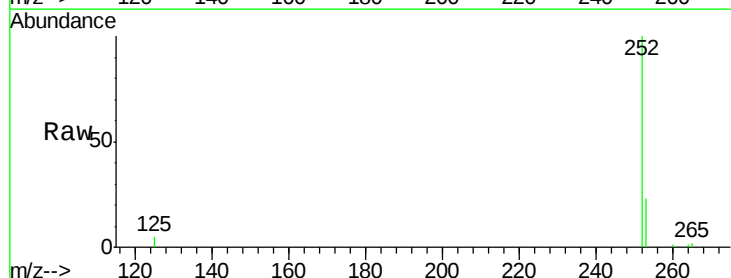
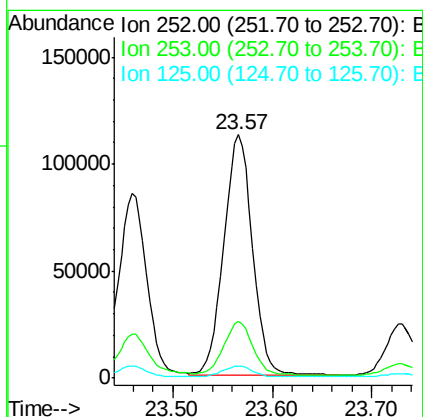
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#37
Benzo(a)pyrene
Concen: 7.355 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	5.1	9.0	13.6





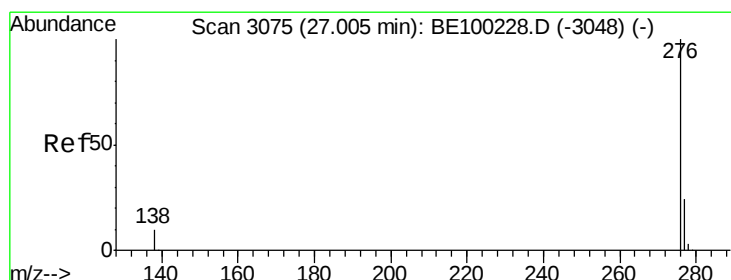
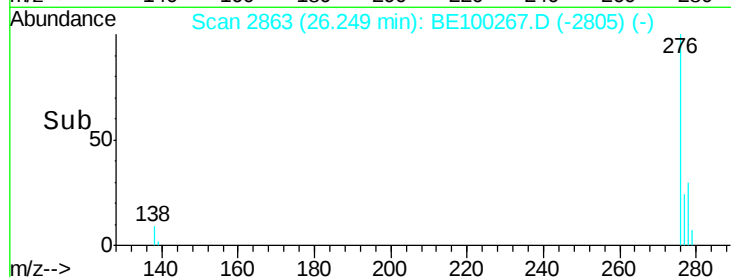
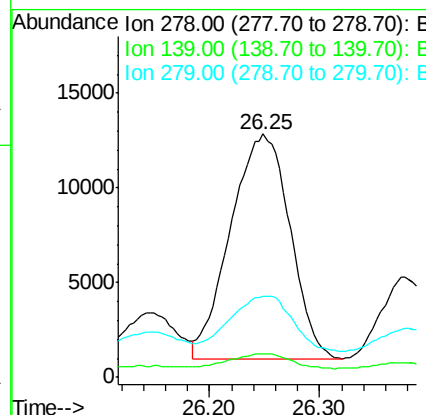
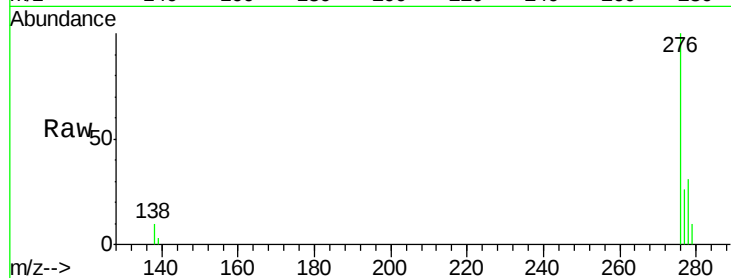
#38
Dibenzo(a,h)anthracene
Concen: 1.404 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW168-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.2	12.2
279	33.5	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/3/2019 9:47:47 AM



#39
Benzo(g,h,i)perylene
Concen: 5.560 ng
RT: 27.03 min Scan# 3083
Delta R.T. 0.03 min
Lab File: BE100267.D
Acq: 1 Jul 2019 16:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.2
138	9.5	9.0	13.6

