

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100262.D
 Acq On : 1 Jul 2019 13:06
 Operator : JU/SJ
 Sample : K3428-18DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW167-061319DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:47:34 AM

Quant Time: Jul 02 15:10:09 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	7.65	152	746	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2833	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2362	0.40	ng	0.01
19) Phenanthrene-d10	17.05	188	6914	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9204	0.40	ng	0.00
34) Perylene-d12	23.67	264	11000	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	111	0.06	ng	0.00
5) Phenol-d6	6.84	99	209	0.08	ng	0.00
8) Nitrobenzene-d5	8.82	82	217	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	116	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	140	0.08	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	606	0.07	ng	0.00
25) Fluoranthene-d10	19.10	212	1850	0.02	ng	0.00
29) Terphenyl-d14	19.70	244	2848	0.15	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	6517	0.209	ng	99
12) 2-Methylnaphthalene	12.12	142	1349	0.246	ng	98
16) Acenaphthylene	14.04	152	12363	1.091	ng	98
17) Acenaphthene	14.38	154	1208	0.188	ng	# 93
18) Fluorene	15.35	166	4373	0.460	ng	# 85
23) Phenanthrene	17.09	178	80751	4.819	ng	99
24) Anthracene	17.19	178	7566	0.501	ng	# 95
26) Fluoranthene	19.13	202	109638	4.108	ng	98
28) Pyrene	19.49	202	182673	7.496	ng	97
30) Benzo(a)anthracene	21.23	228	84821m	2.803	ng	
31) Chrysene	21.28	228	115696	3.807	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	4508	0.048	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.23	276	49141	1.223	ng	97
35) Benzo(b)fluoranthene	22.93	252	84411	2.830	ng	# 96
36) Benzo(k)fluoranthene	22.97	252	29057m	0.873	ng	
37) Benzo(a)pyrene	23.56	252	76639	2.564	ng	# 93
38) Dibenzo(a,h)anthracene	26.25	278	15720	0.504	ng	# 87
39) Benzo(a,h,i)perylene	27.02	276	58997	1.840	ng	99

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

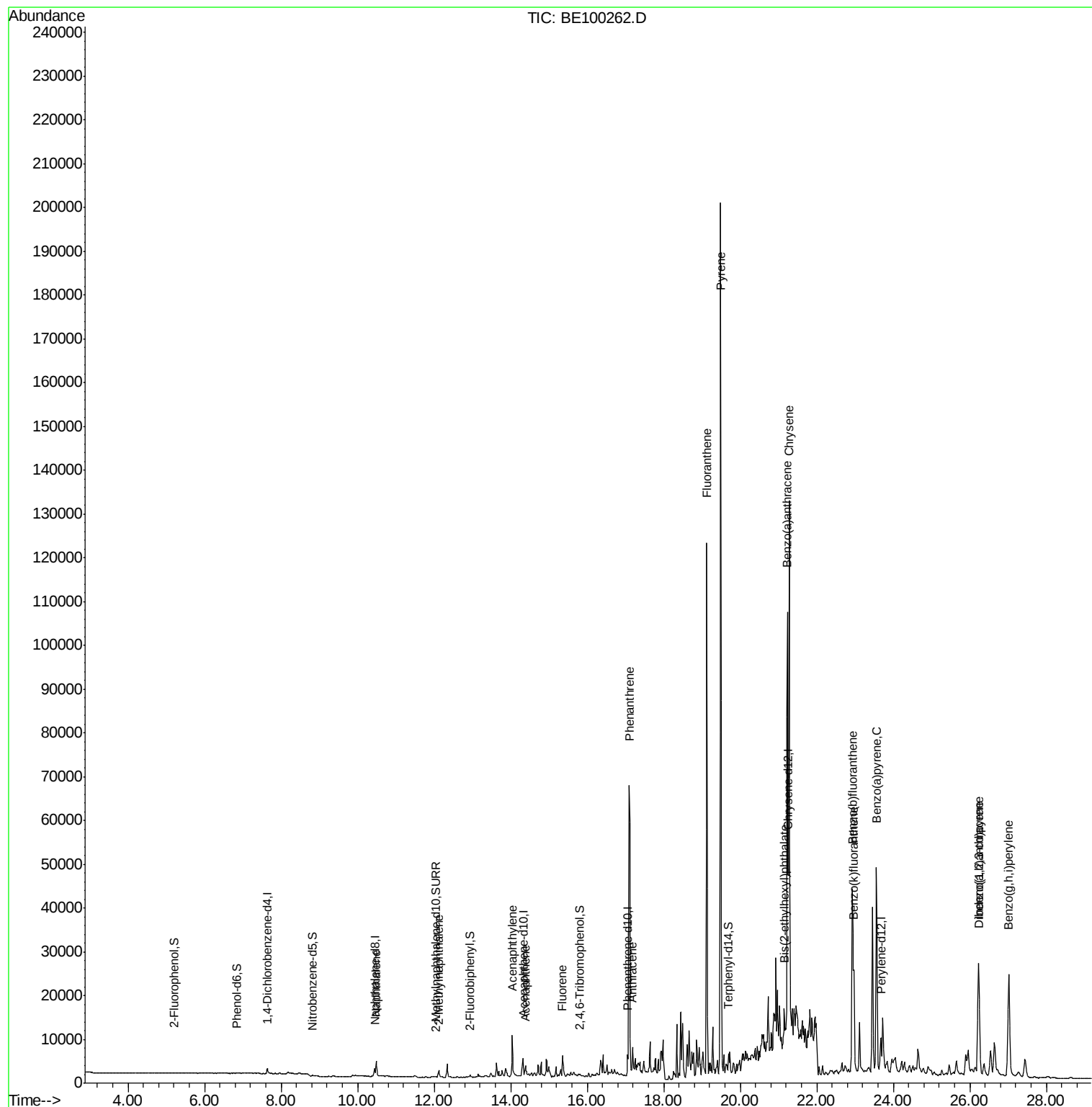
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100262.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

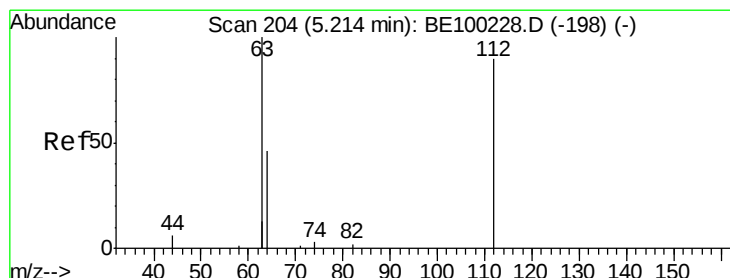
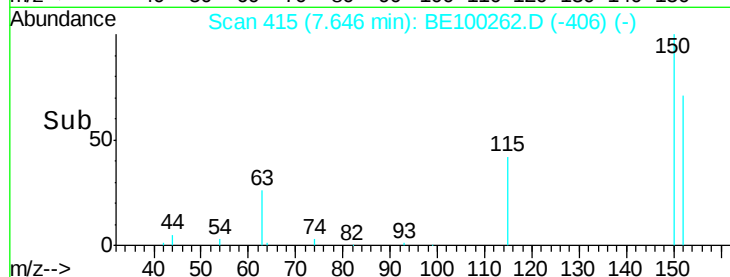
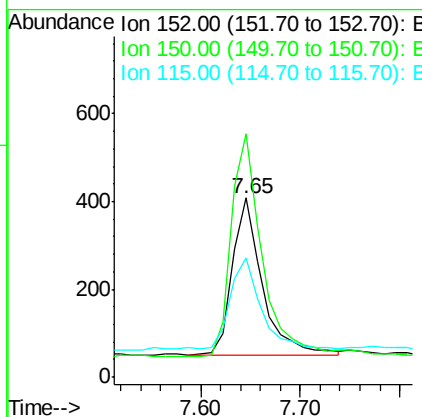
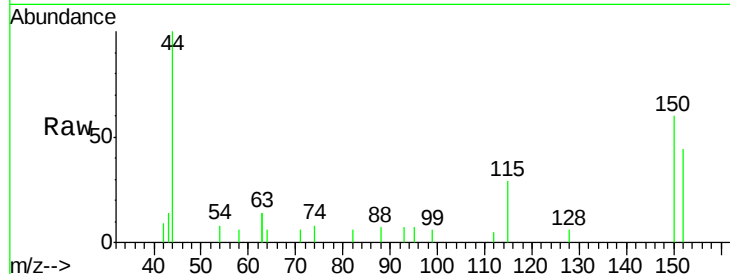
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.8	114.5	171.7
115	66.9	57.1	85.7

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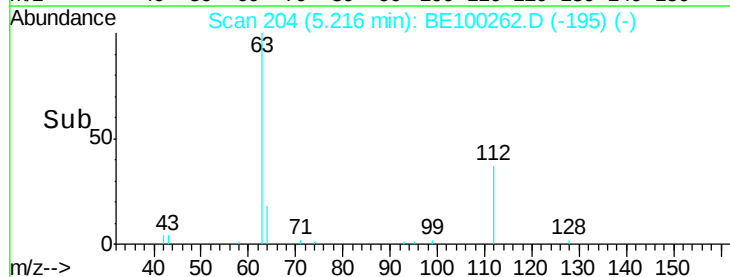
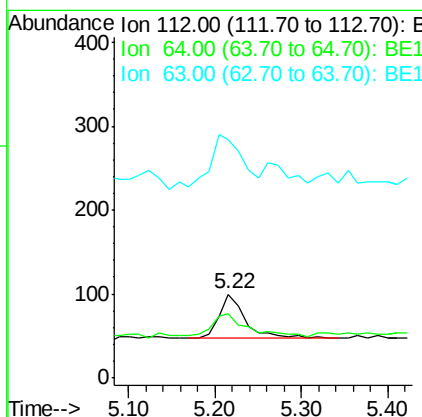
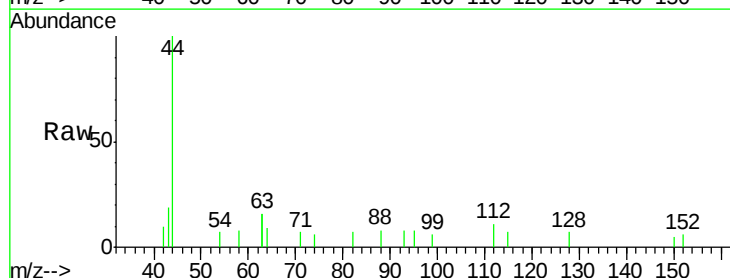
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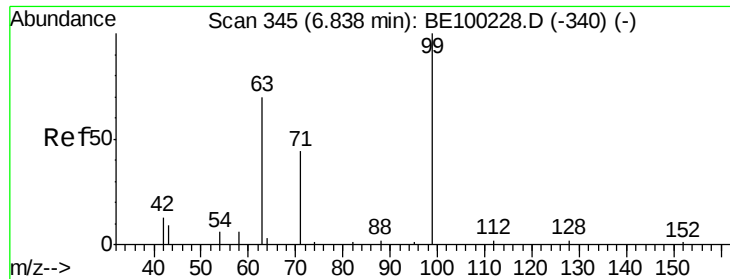


#4

2-Fluorophenol
Concen: 0.058 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	39.4	59.0#
63	162.2	104.5	156.7#





#5

Phenol-d6

Concen: 0.084 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Instrument :

BNA_E

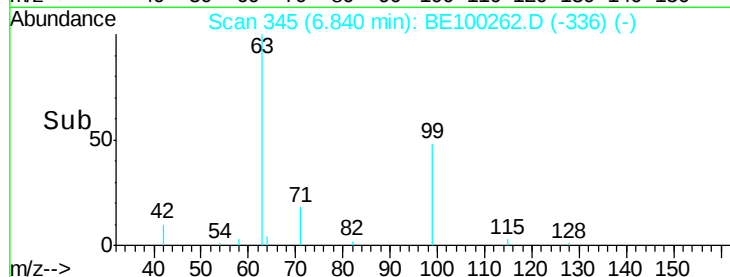
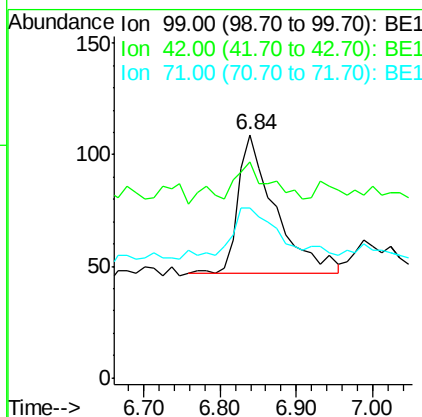
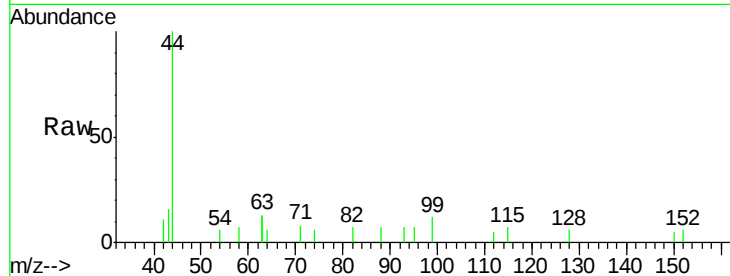
ClientSampleId :

EXT-084-SW167-061319DL

Tot Ion:	99	Resp:	209
Ion	Ratio	Lower	Upper
99	100		
42	23.9	11.2	16.8#
71	36.4	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

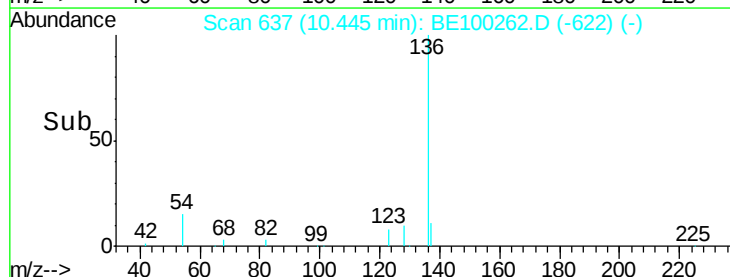
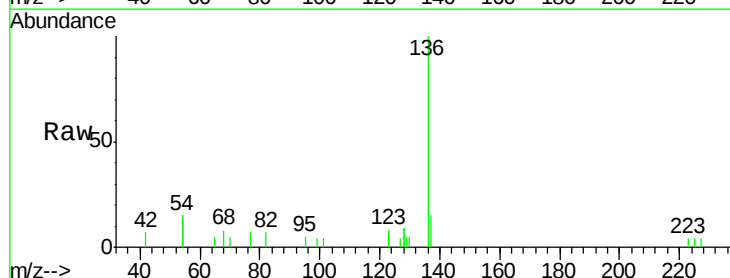
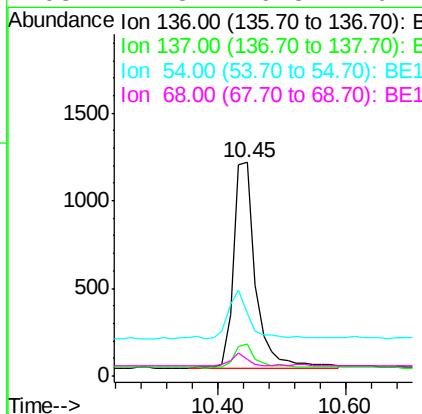
RT: 10.45 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Tgt Ion:	136	Resp:	2833
Ion	Ratio	Lower	Upper
136	100		
137	14.7	11.8	17.8
54	29.5	27.7	41.5
68	7.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.077 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Instrument :

BNA_E

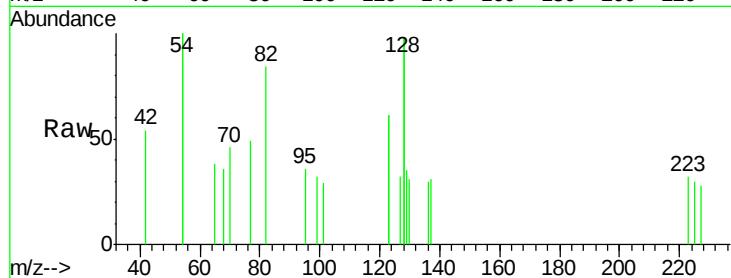
ClientSampleId :

EXT-084-SW167-061319DL

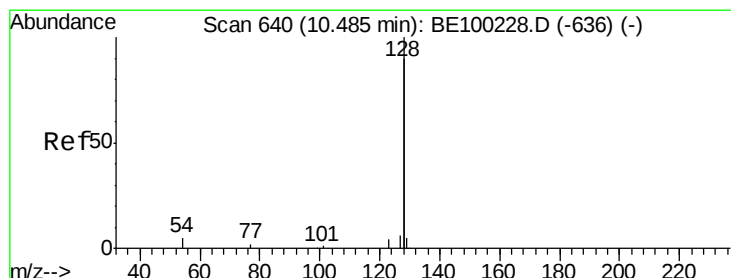
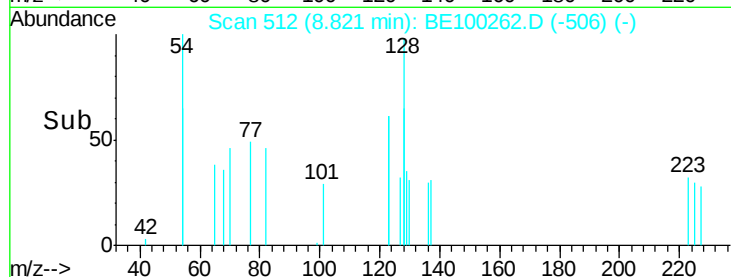
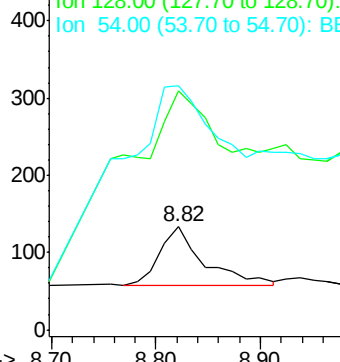
Tot Ion:	82	Resp:	217
Ion	Ratio	Lower	Upper
82	100		
128	233.1	140.9	211.3#
54	237.6	146.2	219.2#

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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: 0.209 ng

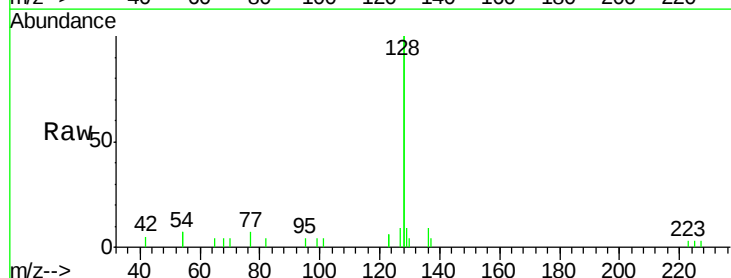
RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

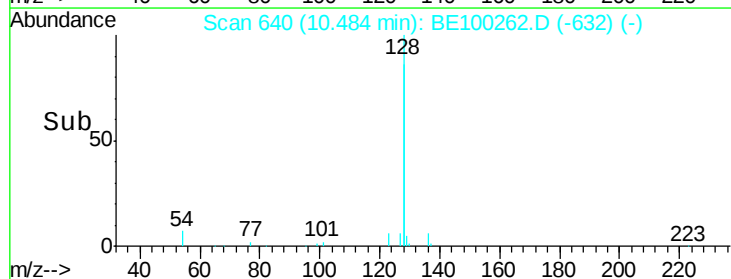
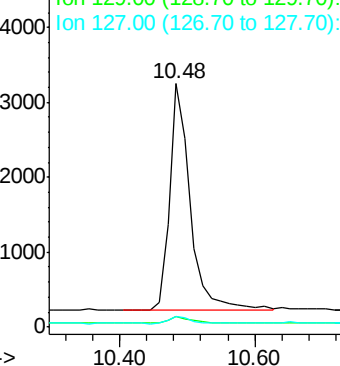
Lab File: BE100262.D

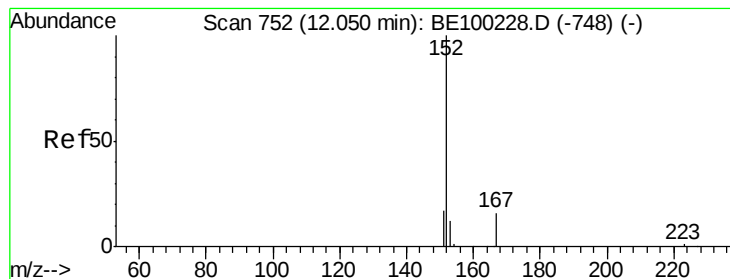
Acq: 1 Jul 2019 13:06

Tgt Ion:	128	Resp:	6517
Ion	Ratio	Lower	Upper
128	100		
129	4.3	3.0	4.6
127	4.6	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





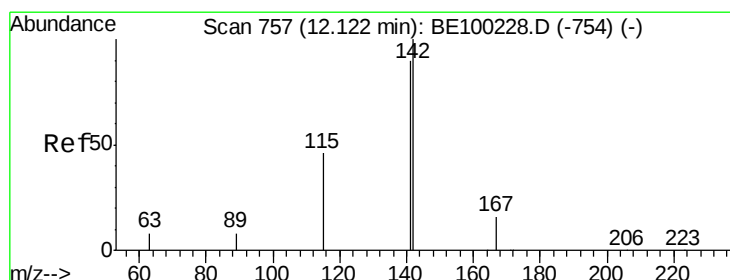
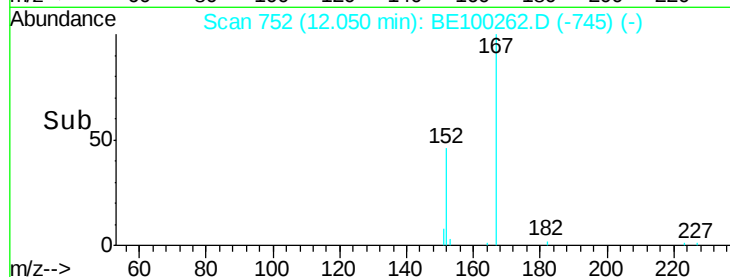
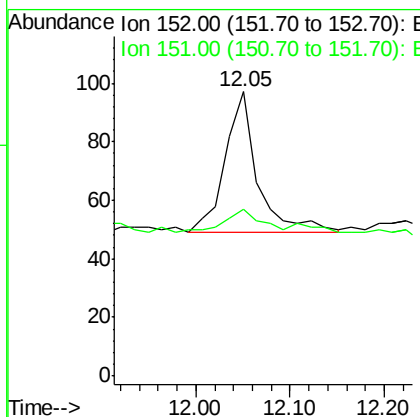
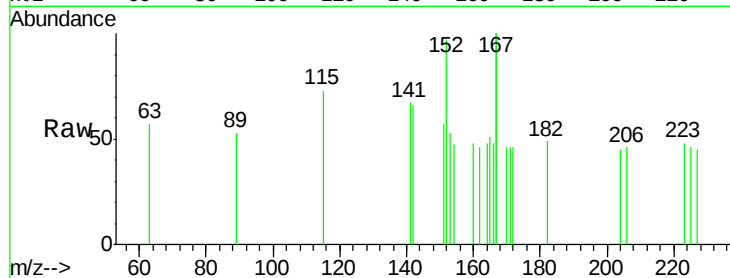
#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion:152 Resp: 116
Ion Ratio Lower Upper
152 100
151 19.0 15.1 22.7

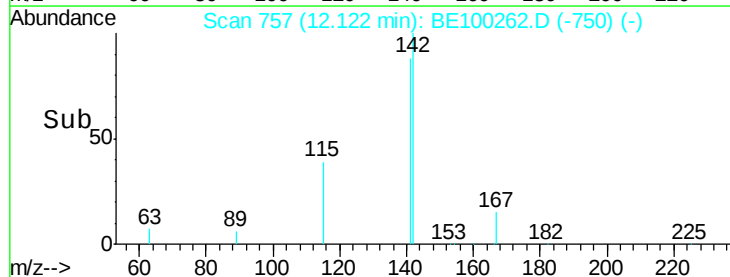
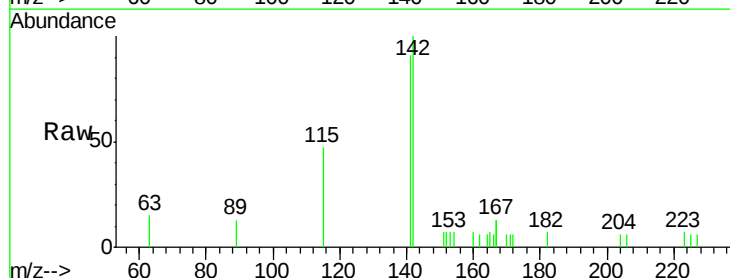
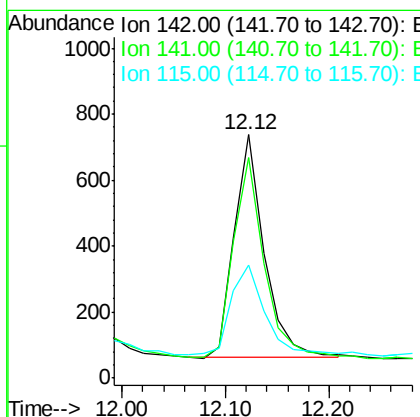
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#12
2-Methylnaphthalene
Concen: 0.246 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion:142 Resp: 1349
Ion Ratio Lower Upper
142 100
141 90.5 72.4 108.6
115 46.6 40.4 60.6





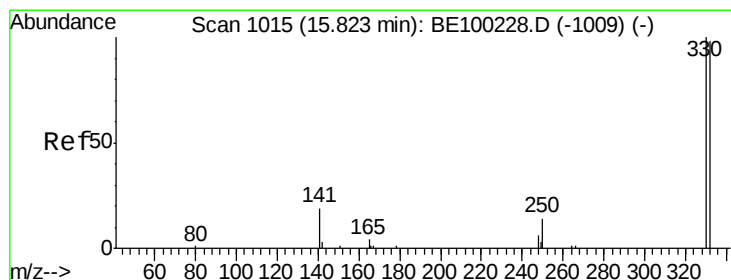
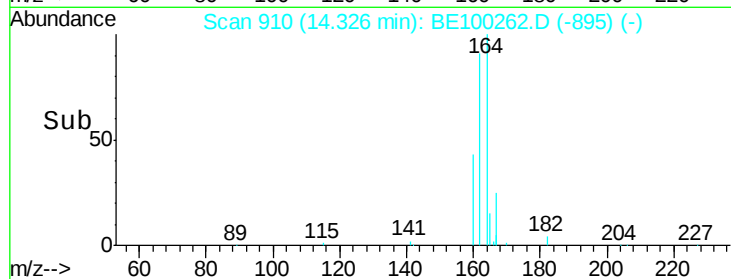
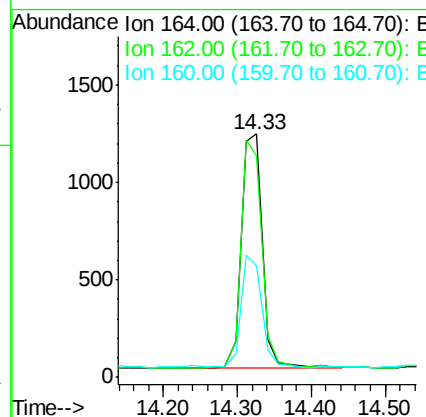
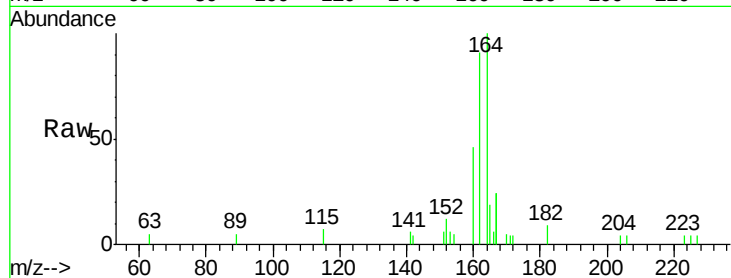
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	91.1	83.4	125.0
160	46.0	45.0	67.6

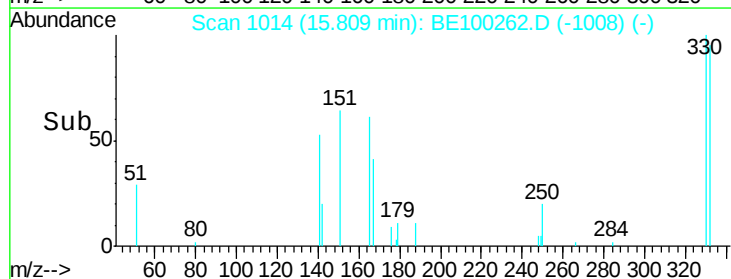
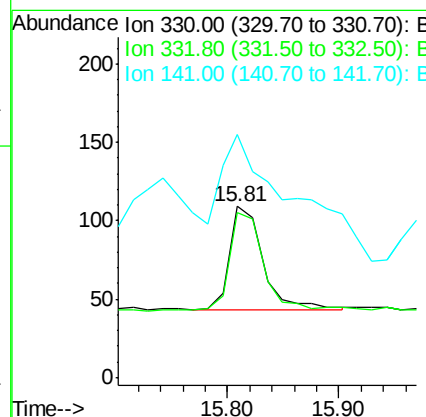
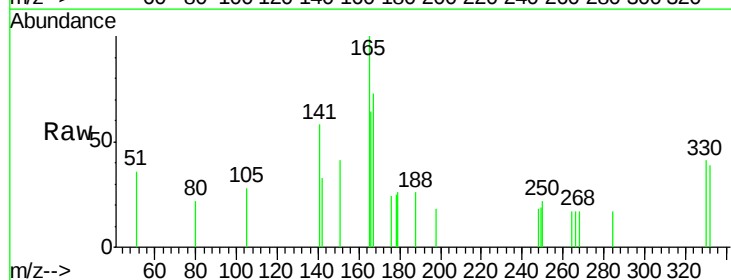
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#14
2,4,6-Tribromophenol
Concen: 0.085 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.4
141	257.1	22.0	33.0#





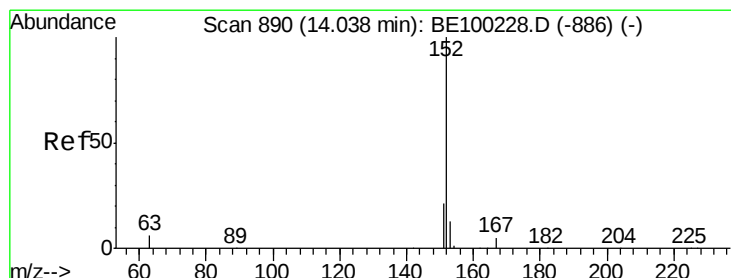
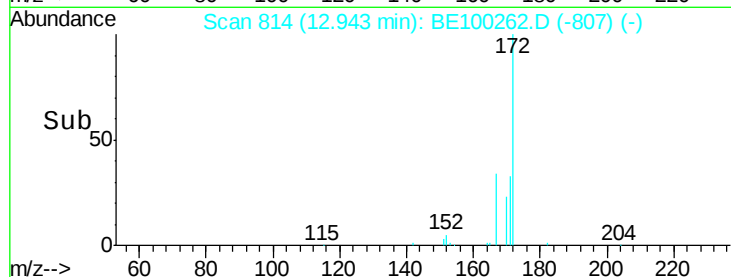
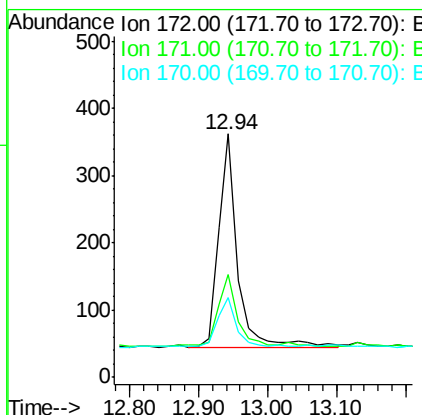
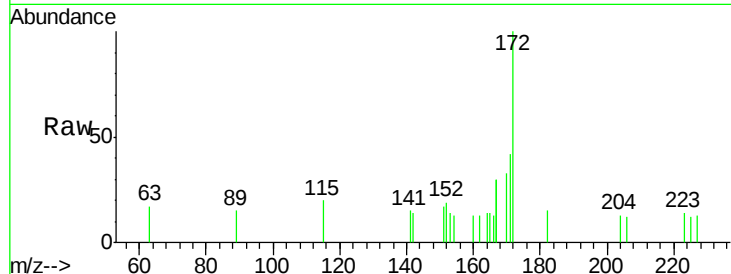
#15
2-Fluorobiphenyl
Concen: 0.066 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.3	31.9	47.9
170	32.9	22.2	33.2

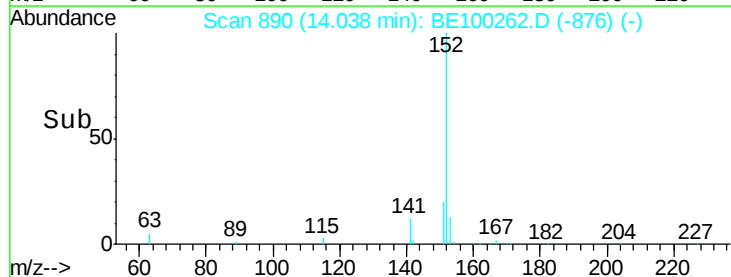
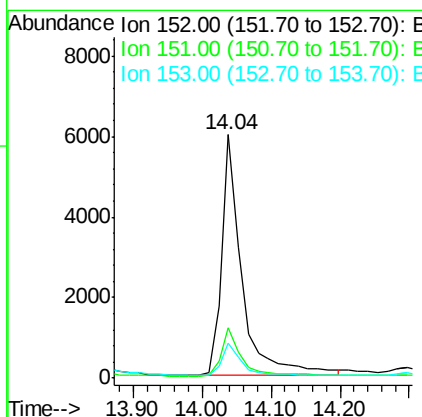
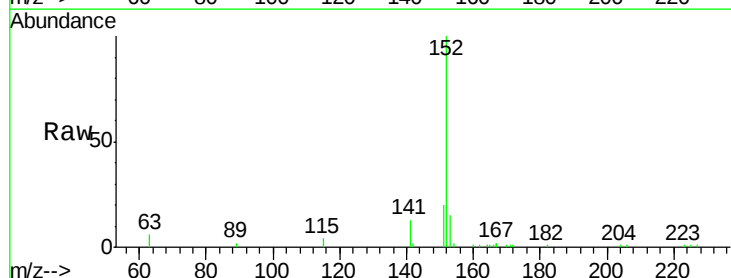
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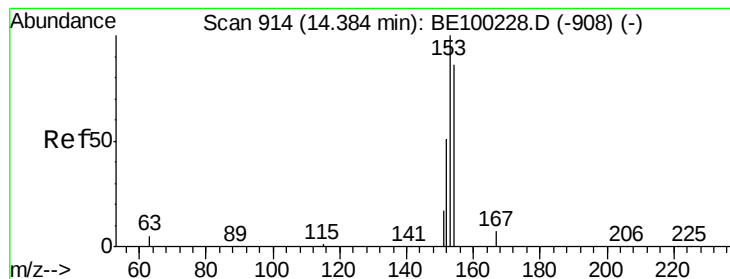
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#16
Acenaphthylene
Concen: 1.091 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	25.0
153	13.5	10.5	15.7





#17

Acenaphthene

Concen: 0.188 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Instrument :

BNA_E

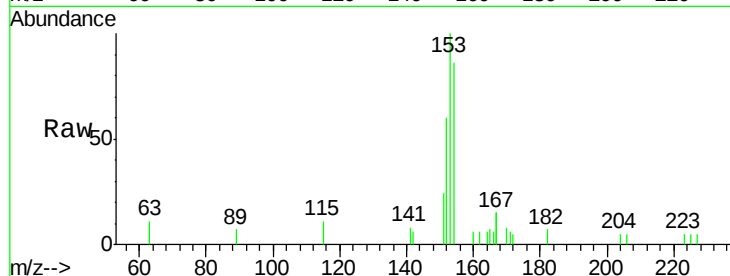
ClientSampleId :

EXT-084-SW167-061319DL

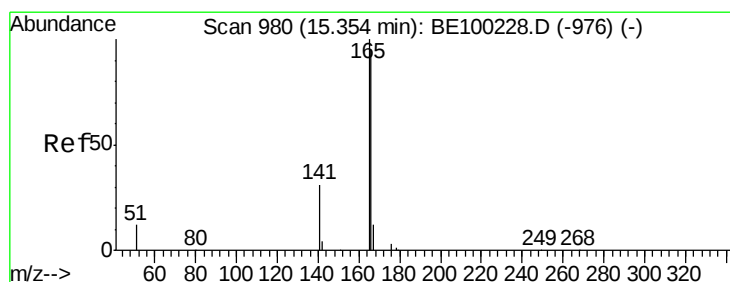
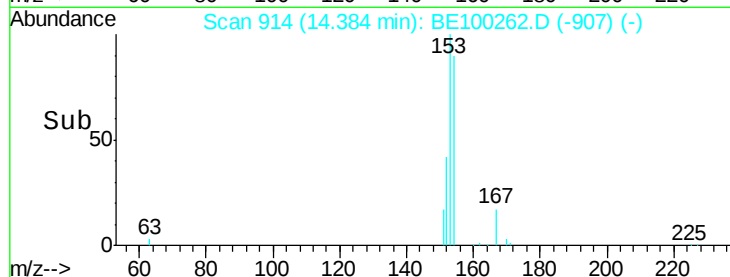
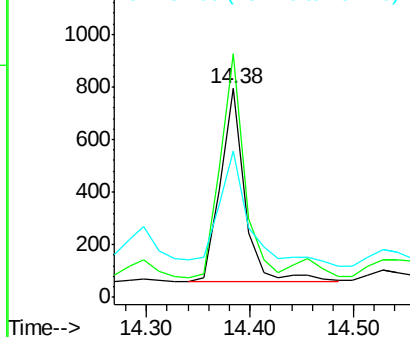
Tot Ion:	154	Resp:	1208
Ion Ratio	Lower	Upper	
154	100		
153	115.1	93.4	140.2
152	75.2	49.4	74.2#

Manual Integrations
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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: 0.460 ng

RT: 15.35 min Scan# 980

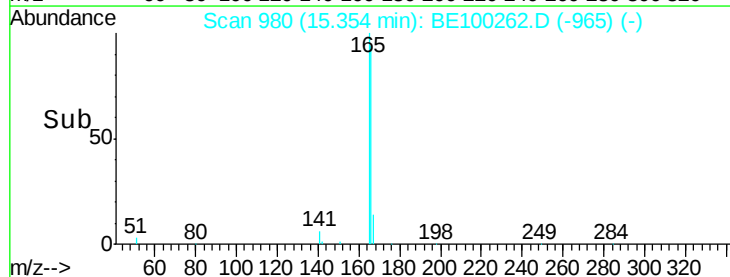
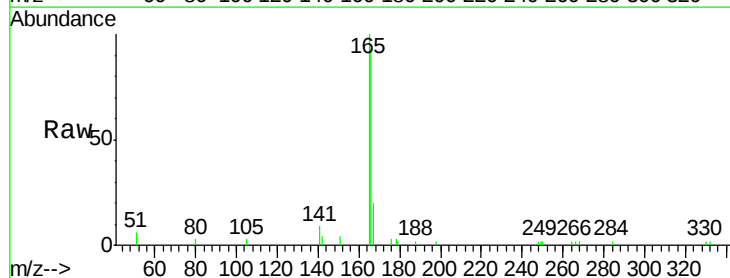
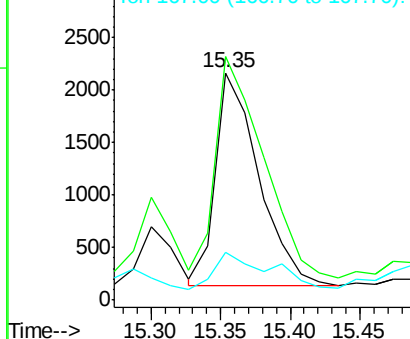
Delta R.T. -0.00 min

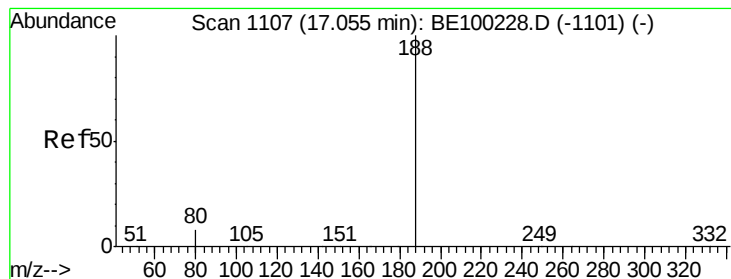
Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Tgt Ion:	166	Resp:	4373
Ion Ratio	Lower	Upper	
166	100		
165	115.2	81.1	121.7
167	22.2	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: BE100262.D

Acq: 1 Jul 2019 13:06

Instrument :

BNA_E

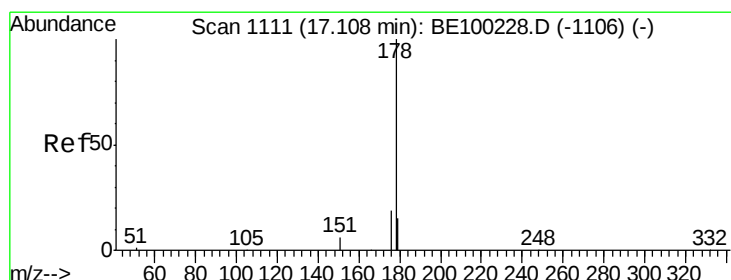
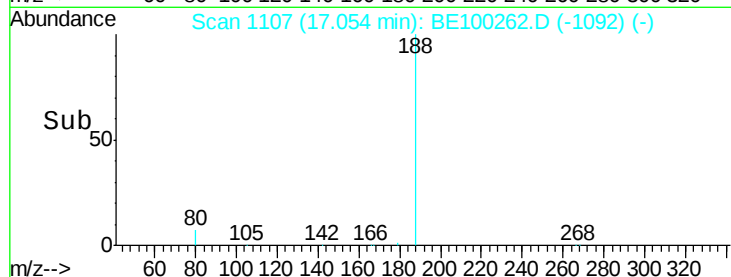
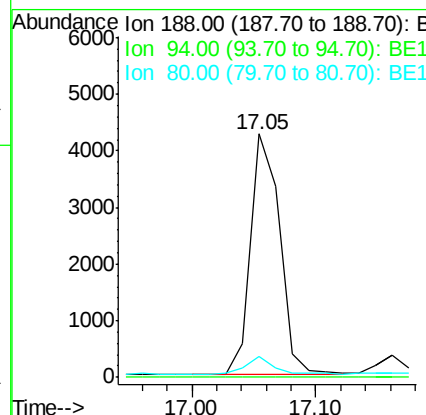
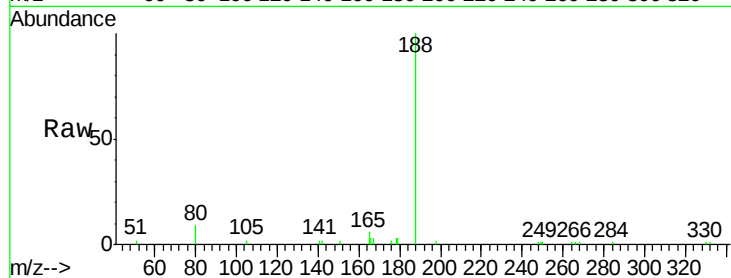
ClientSampleId :

EXT-084-SW167-061319DL

Tot Ion:	188	Resp:	6914
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.6	7.6	11.4

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#23

Phenanthrene

Concen: 4.819 ng

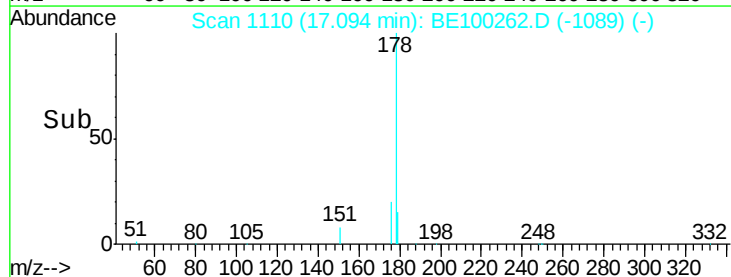
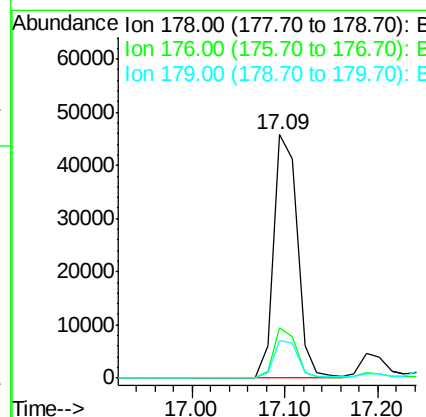
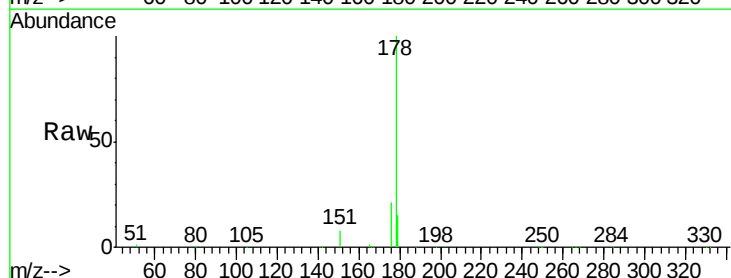
RT: 17.09 min Scan# 1110

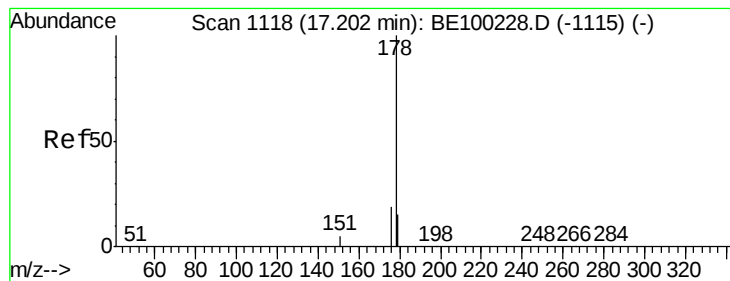
Delta R.T. -0.01 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Tgt Ion:	178	Resp:	80751
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	15.6	12.2	18.2





#24

Anthracene

Concen: 0.501 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Instrument :

BNA_E

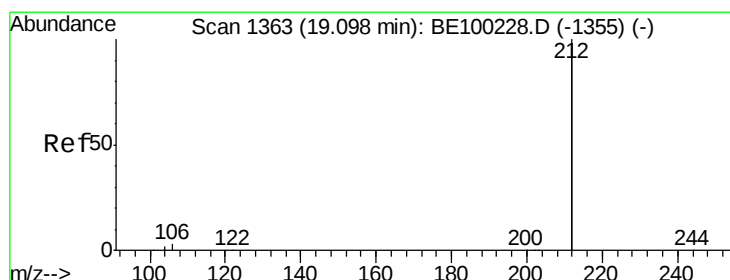
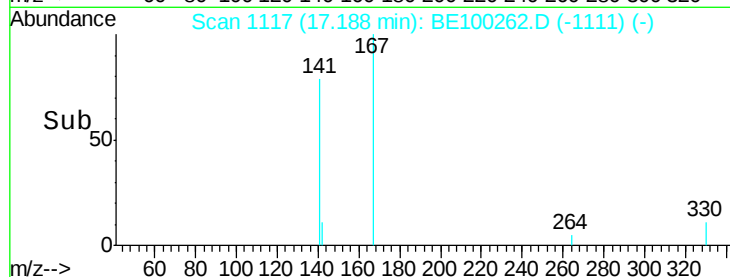
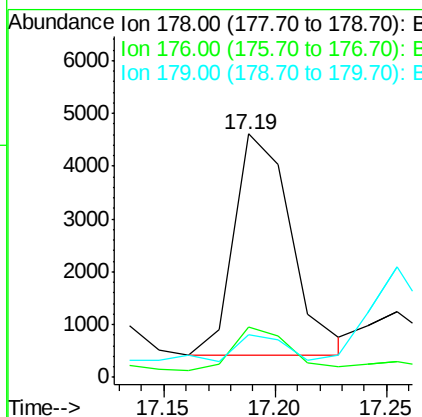
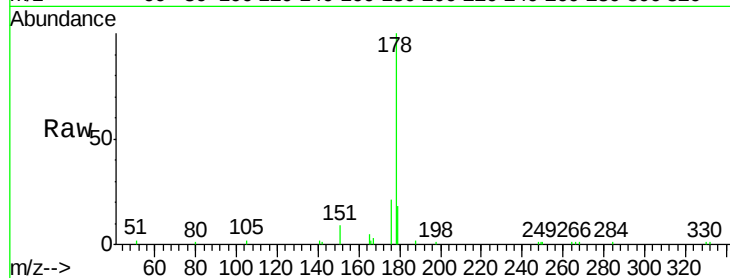
ClientSampleId :

EXT-084-SW167-061319DL

Tot Ion:	178	Resp:	7566
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.3	22.9
179	10.7	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.018 ng

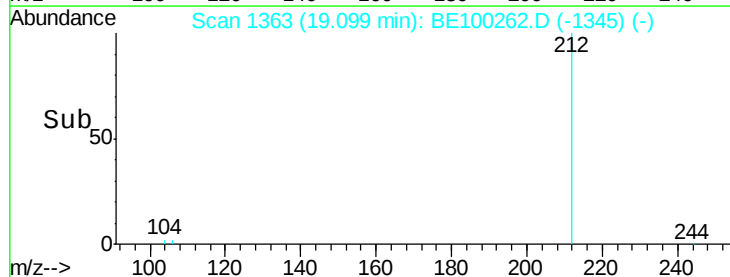
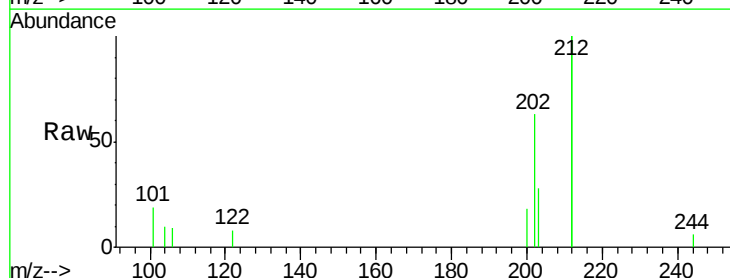
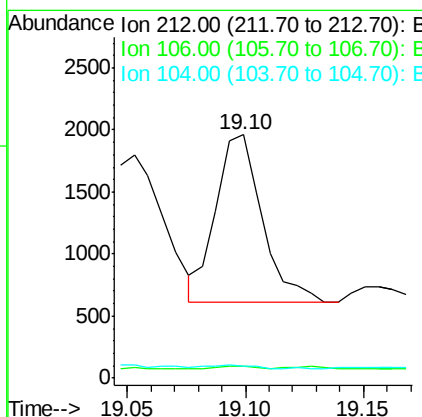
RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100262.D

Acq: 1 Jul 2019 13:06

Tgt Ion:	212	Resp:	1850
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	2.4	0.8	1.2#





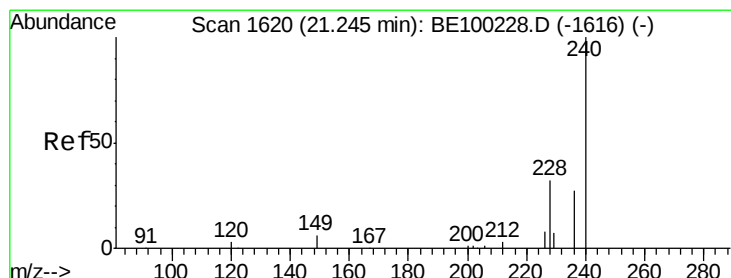
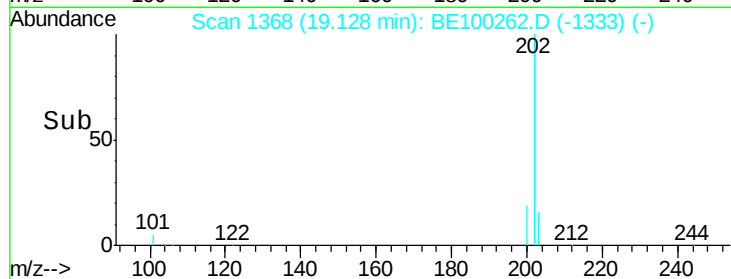
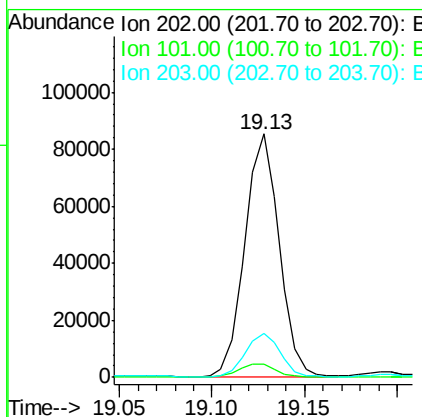
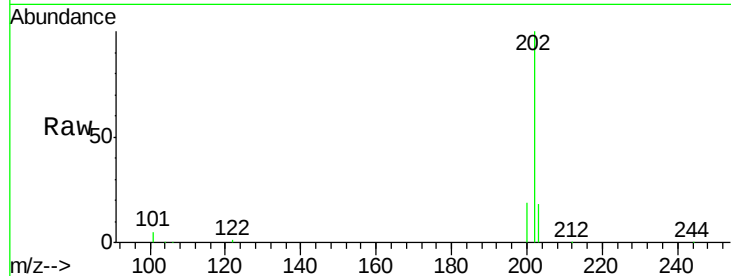
#26
Fluoranthene
 Concen: 4.108 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100262.D
 Acq: 1 Jul 2019 13:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	18.2	13.7	20.5

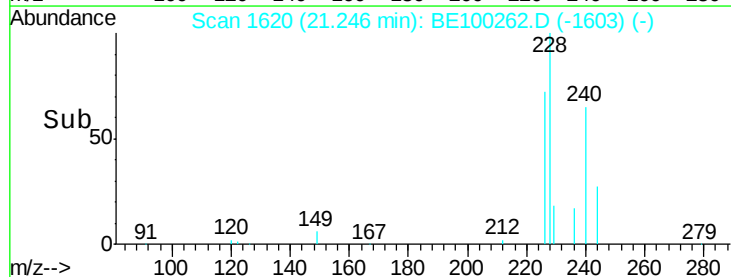
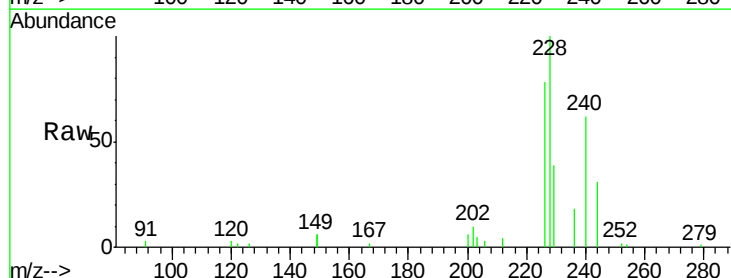
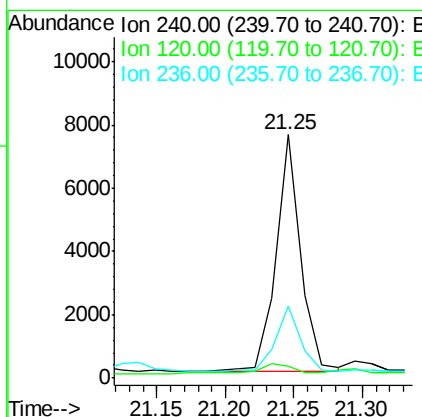
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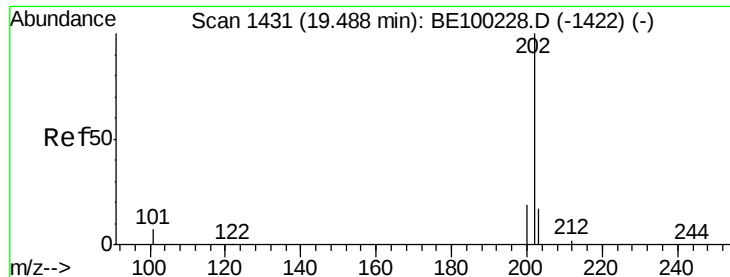
mohammad
 7/3/2019 9:47:34 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100262.D
 Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.3	4.9
236	29.4	22.6	34.0





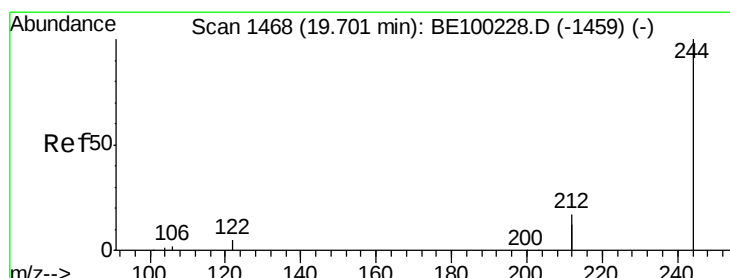
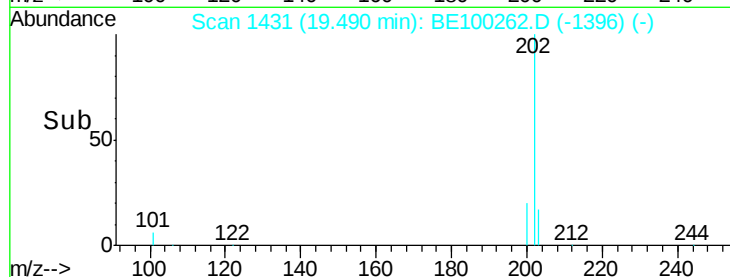
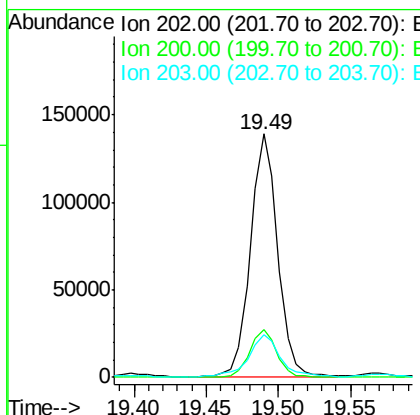
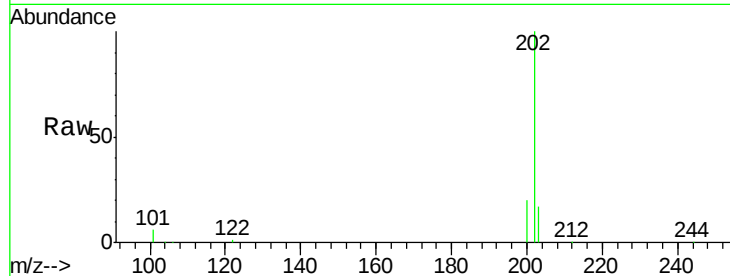
#28
Pvrene
Concen: 7.496 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.6	15.6	23.4	
203	20.0	14.0	21.0	

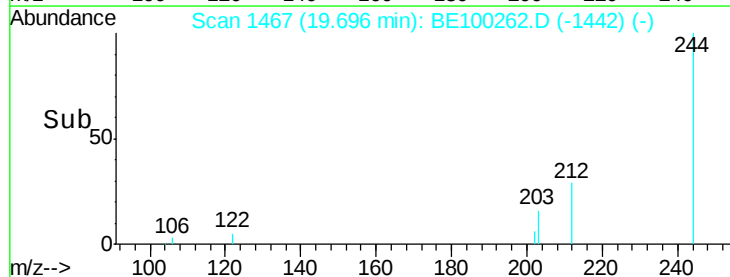
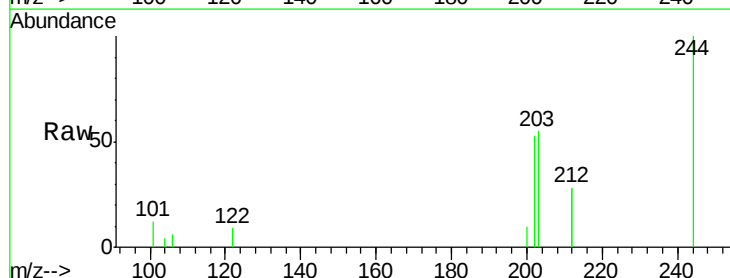
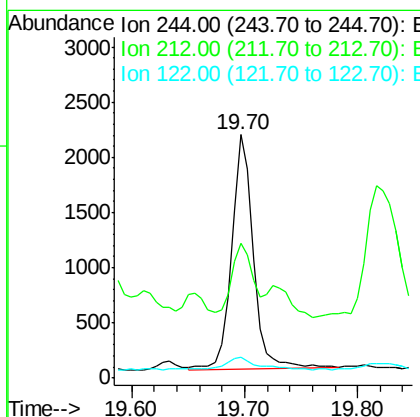
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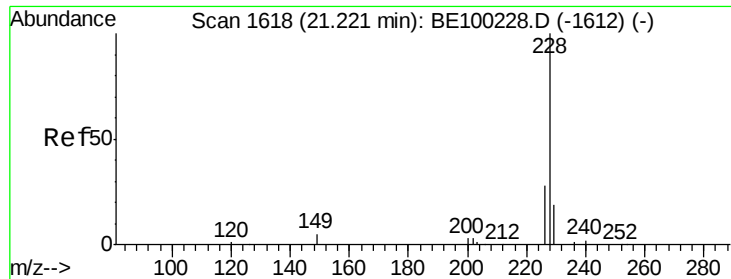
mohammad
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#29
Terphenyl-d14
Concen: 0.149 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	55.5	27.3	40.9#	
122	8.7	4.7	7.1#	





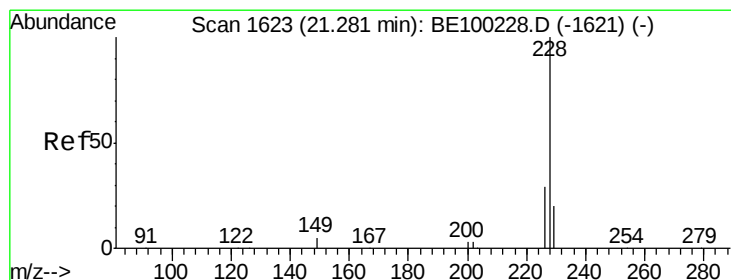
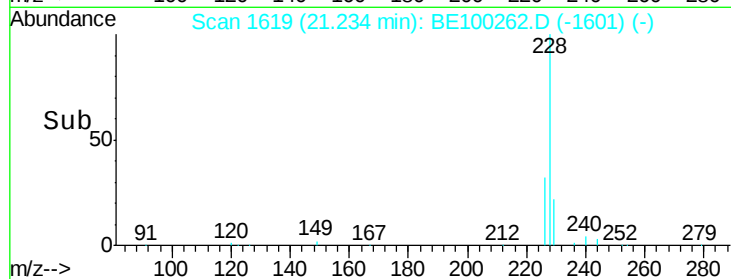
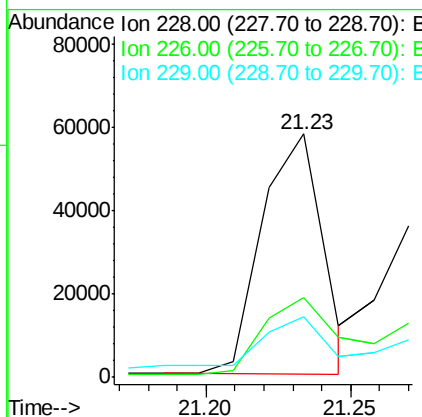
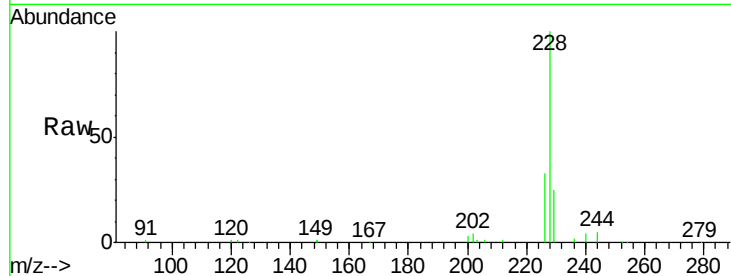
#30
Benzo(a)anthracene
Concen: 2.803 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.2	34.8
229	24.8	15.7	23.5

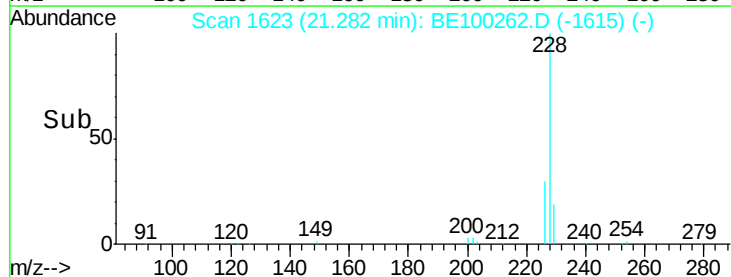
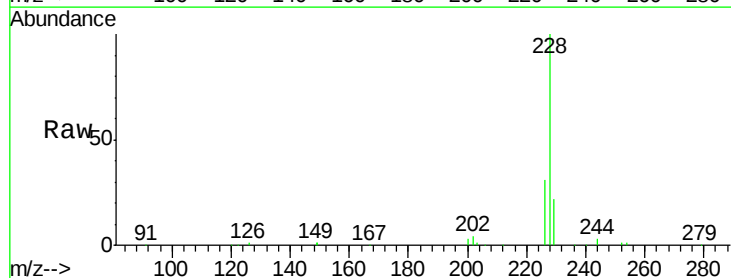
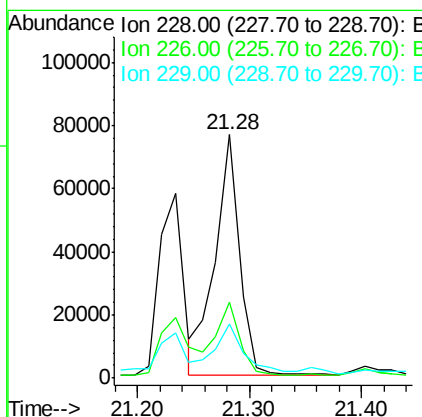
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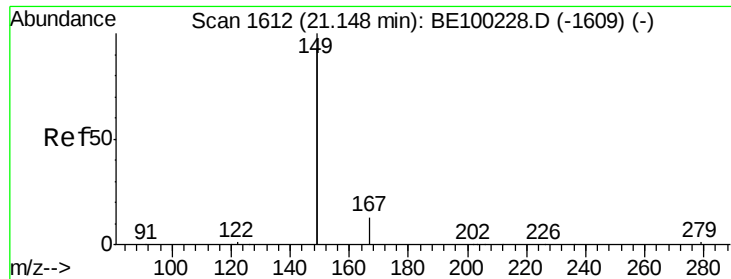
mohammad
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#31
Chrysene
Concen: 3.807 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	22.3	16.5	24.7





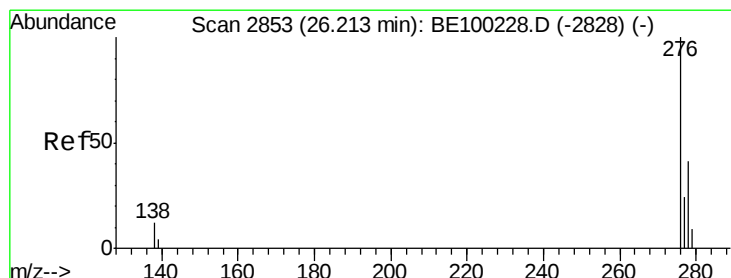
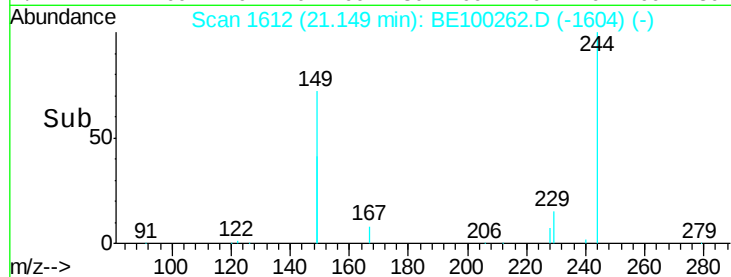
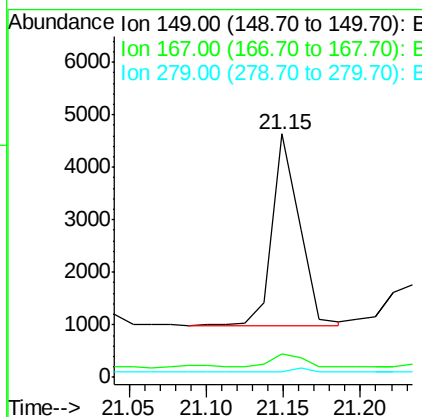
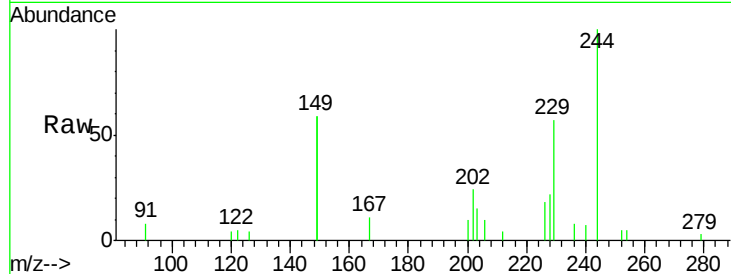
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.048 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.0	5.8	8.8
279	2.8	1.1	1.7

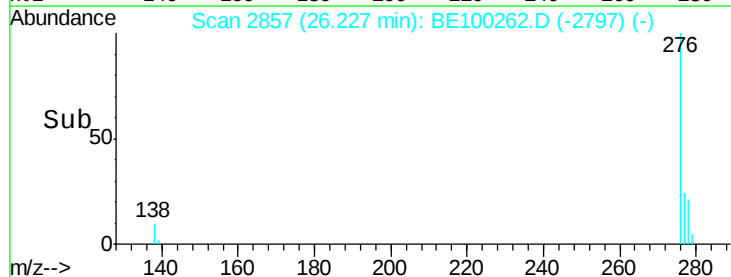
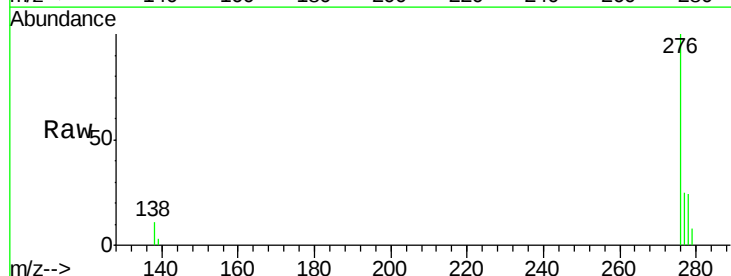
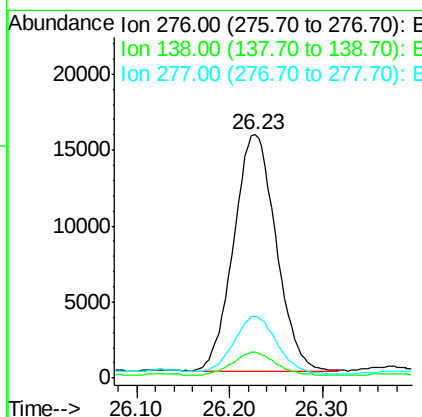
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#33
Indeno(1,2,3-cd)pyrene
Concen: 1.223 ng
RT: 26.23 min Scan# 2857
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.9	9.4	14.0
277	24.9	19.2	28.8





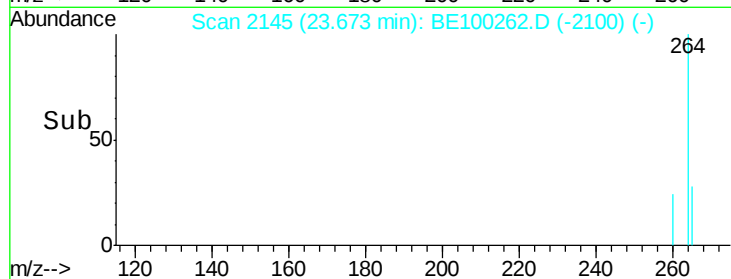
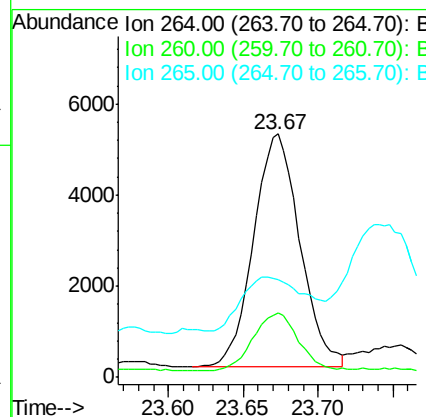
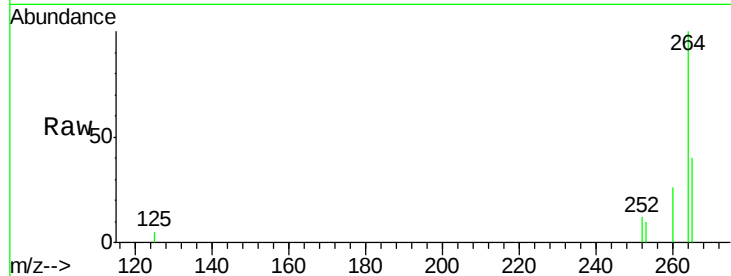
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.8	31.2
265	40.1	21.8	32.6

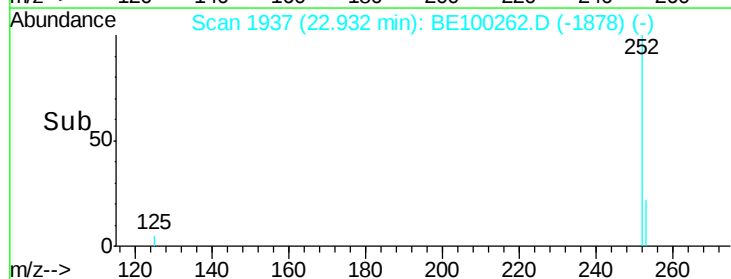
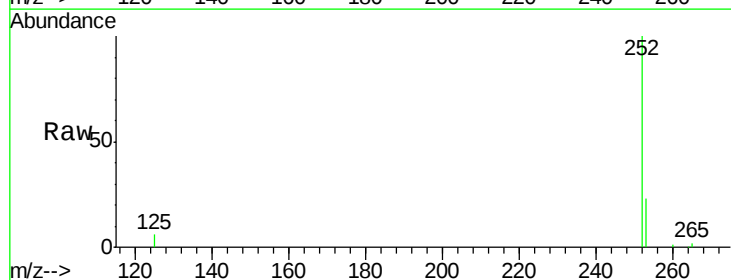
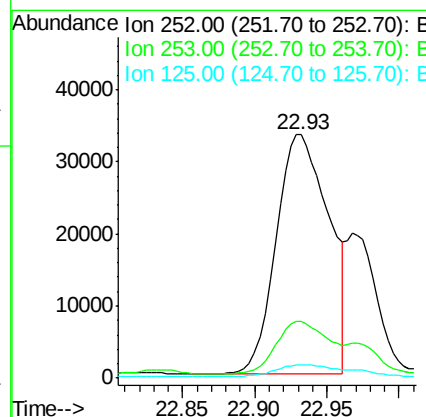
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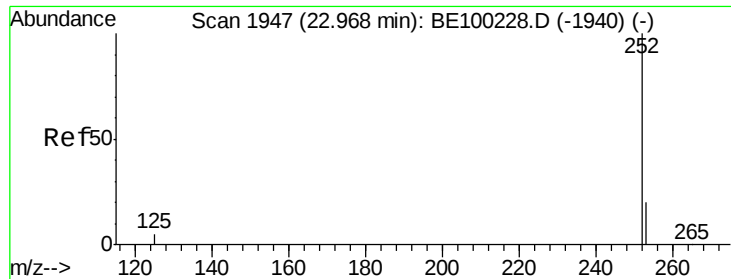
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#35
Benzo(b)fluoranthene
Concen: 2.830 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	5.6	7.4	11.0





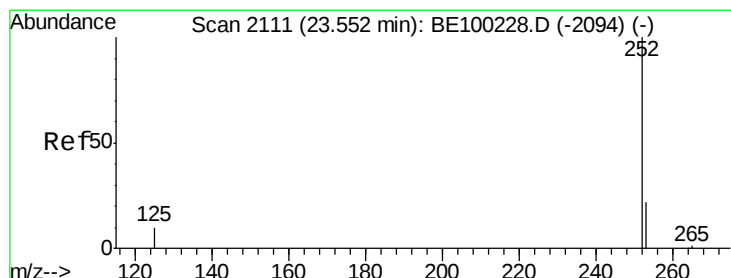
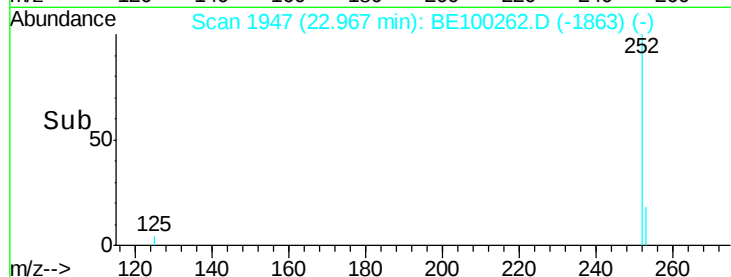
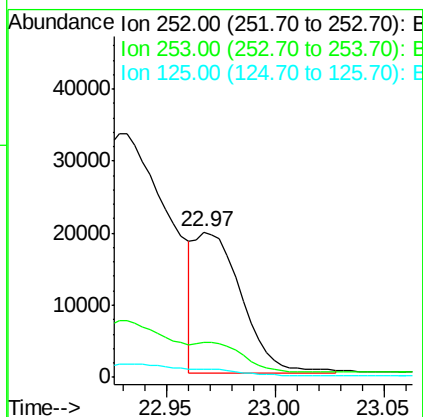
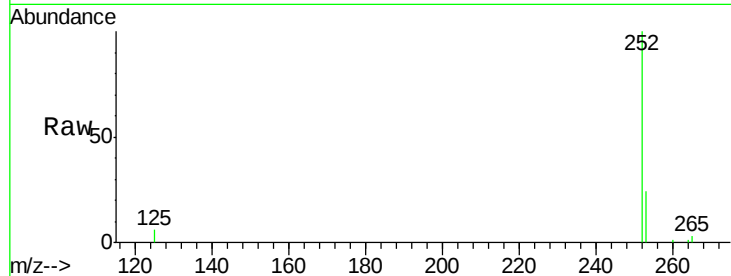
#36
Benzo(k)fluoranthene
Concen: 0.873 ng m
RT: 22.97 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	5.6	5.0	7.4

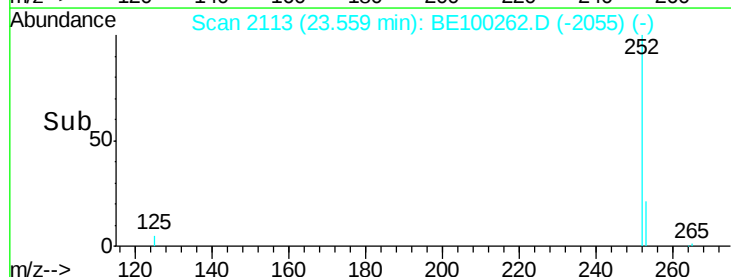
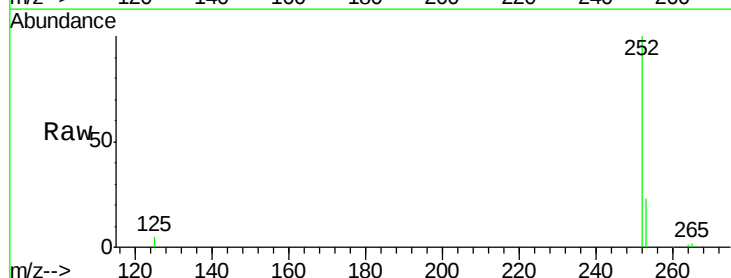
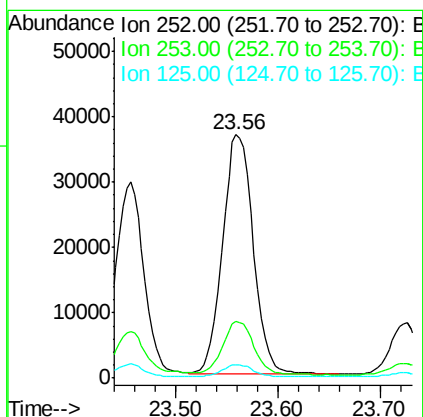
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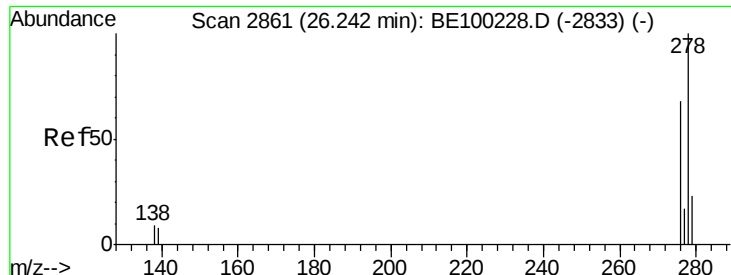
mohammad
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#37
Benzo(a)pyrene
Concen: 2.564 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.6	29.4
125	5.5	9.0	13.6





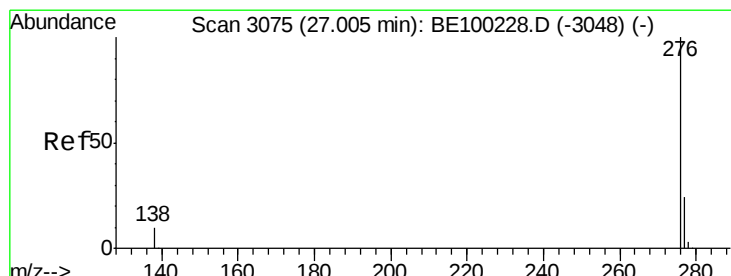
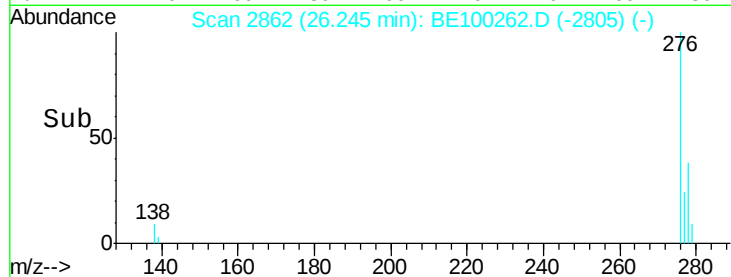
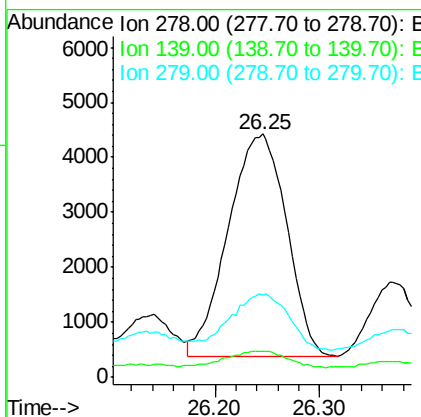
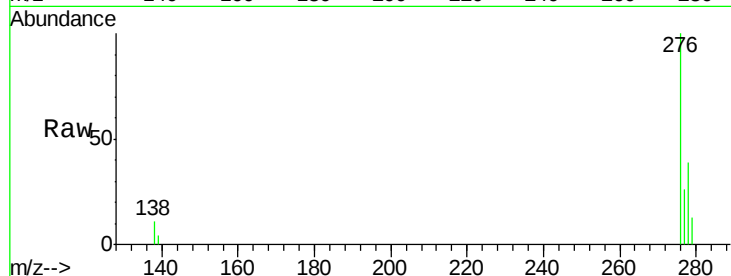
#38
Dibenzo(a,h)anthracene
Concen: 0.504 ng
RT: 26.25 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.8	8.2	12.2
279	34.0	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 1.840 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100262.D
Acq: 1 Jul 2019 13:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.2
138	10.2	9.0	13.6

