

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100308.D
 Acq On : 2 Jul 2019 18:39
 Operator : JU/SJ
 Sample : K3445-05 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW113-061719

Manual Integrations
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 7/3/2019 10:48:57 PM

Quant Time: Jul 03 03:43:34 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	902	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	3195	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2584	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7204	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9267	0.40	ng	0.00
34) Perylene-d12	23.67	264	11148	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	91	0.04	ng	0.00
5) Phenol-d6	6.85	99	83	0.03	ng	0.00
8) Nitrobenzene-d5	8.83	82	91	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	258	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	67	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	302	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	3999	0.04	ng	0.00
29) Terphenyl-d14	19.70	244	937	0.05	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	1450	0.041	ng	# 86
12) 2-Methylnaphthalene	12.12	142	244	0.039	ng	# 82
16) Acenaphthylene	14.04	152	1732	0.140	ng	97
17) Acenaphthene	14.38	154	141	0.020	ng	# 91
18) Fluorene	15.35	166	372	0.036	ng	# 86
23) Phenanthrene	17.09	178	8921	0.511	ng	99
24) Anthracene	17.19	178	1186	0.075	ng	94
26) Fluoranthene	19.13	202	23848	0.857	ng	99
28) Pyrene	19.49	202	28667	1.168	ng	96
30) Benzo(a)anthracene	21.23	228	19065m	0.626	ng	
31) Chrysene	21.28	228	19322	0.632	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	10011	0.175	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.23	276	14348	0.355	ng	97
35) Benzo(b)fluoranthene	22.93	252	23713	0.785	ng	93
36) Benzo(k)fluoranthene	22.97	252	8554m	0.254	ng	
37) Benzo(a)pyrene	23.56	252	17111	0.565	ng	95
38) Dibenzo(a,h)anthracene	26.25	278	3683	0.116	ng	# 68
39) Benzo(a,h,i)perylene	27.03	276	16747	0.515	ng	97

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

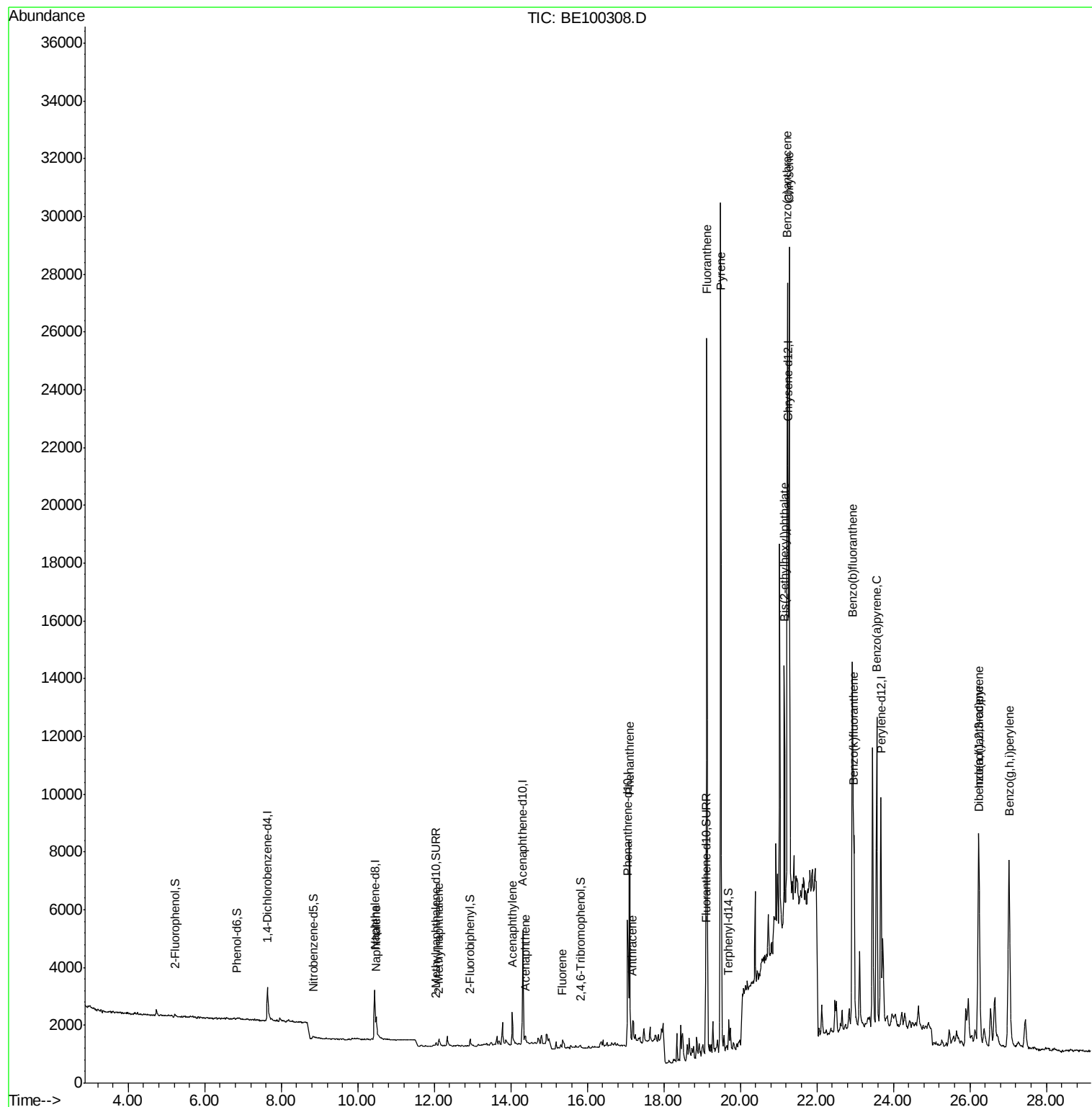
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QLast Update : Fri Jun 28 14:06:53 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Instrument :

BNA_E

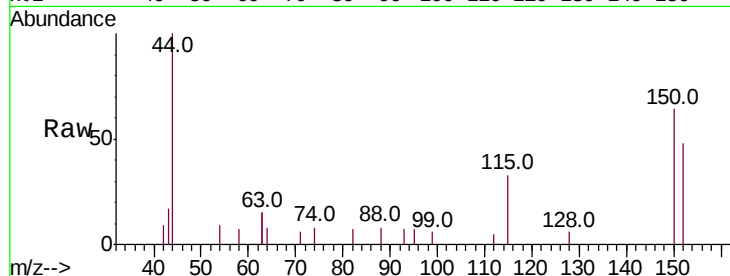
ClientSampleId :

EXT-008-SW113-061719

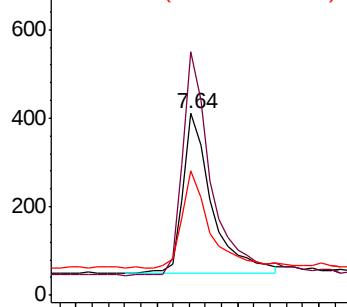
Tot Ion:	152	Resp:	902
Ion	Ratio	Lower	Upper
152	100		
150	134.1	114.5	171.7
115	68.5	57.1	85.7

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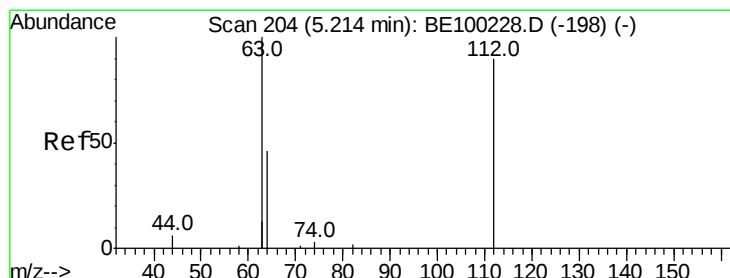
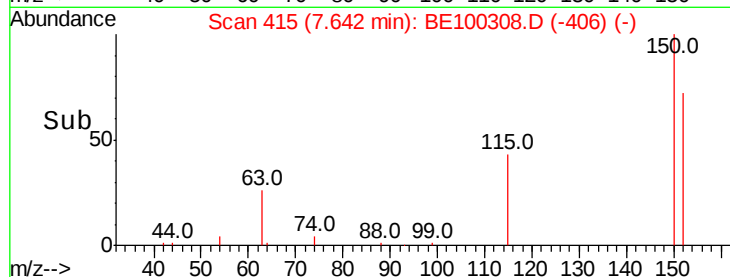
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->



#4

2-Fluorophenol

Concen: 0.040 ng

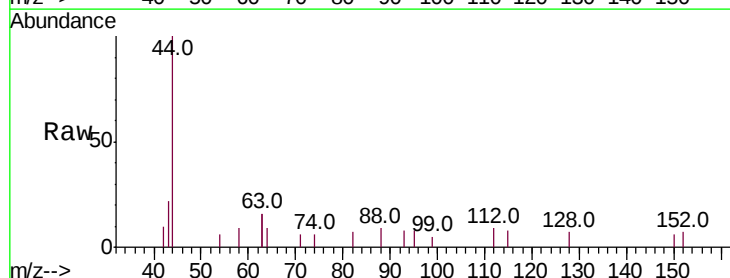
RT: 5.22 min Scan# 205

Delta R.T. 0.01 min

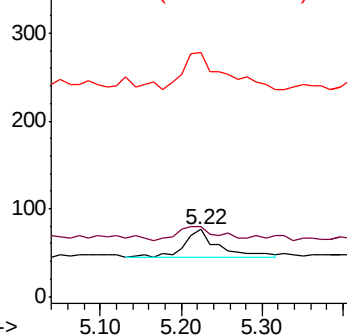
Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

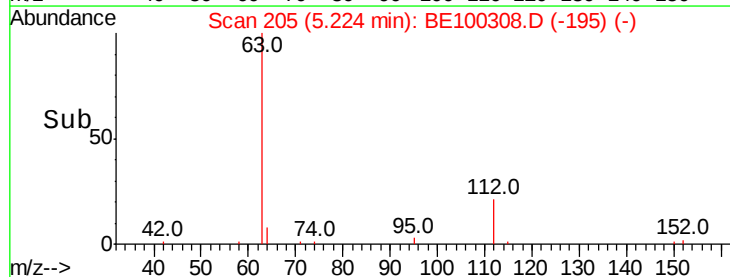
Tgt Ion:	112	Resp:	91
Ion	Ratio	Lower	Upper
112	100		
64	60.4	39.4	59.0#
63	156.0	104.5	156.7

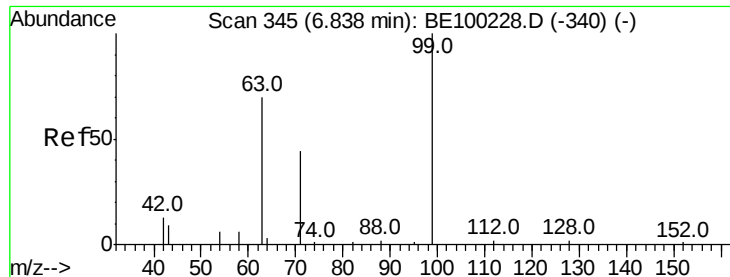


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.027 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Instrument :

BNA_E

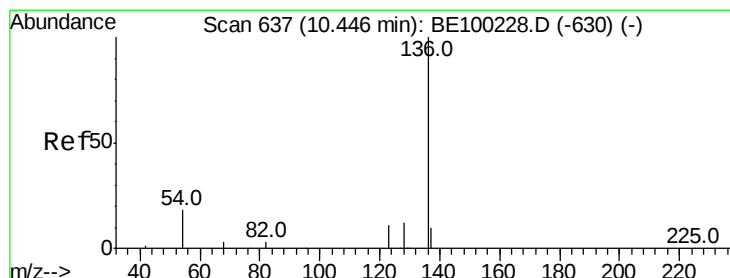
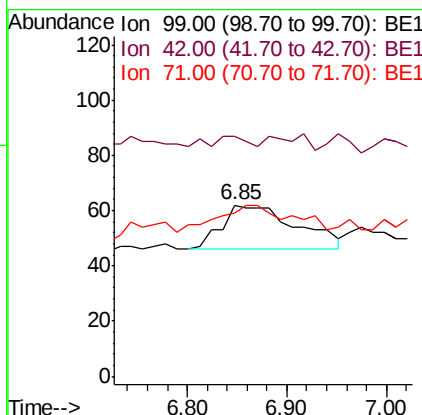
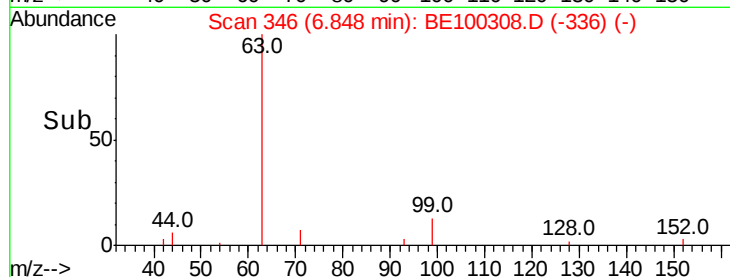
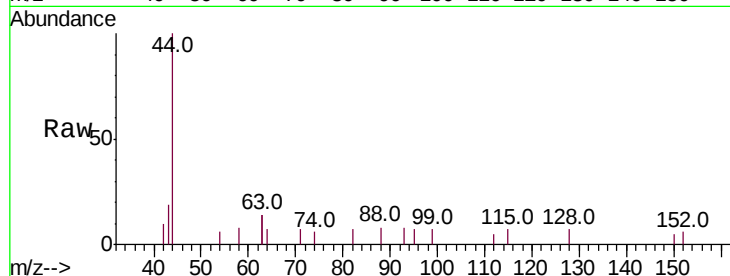
ClientSampleId :

EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	63.9	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

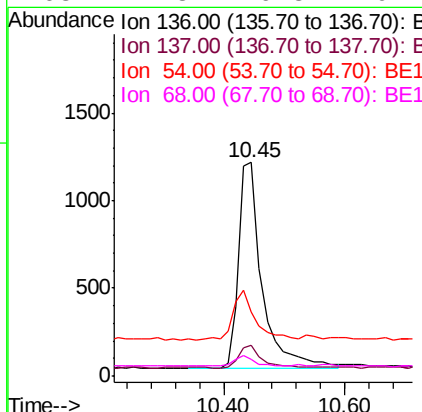
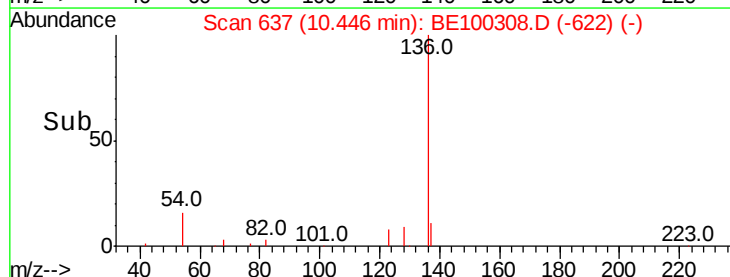
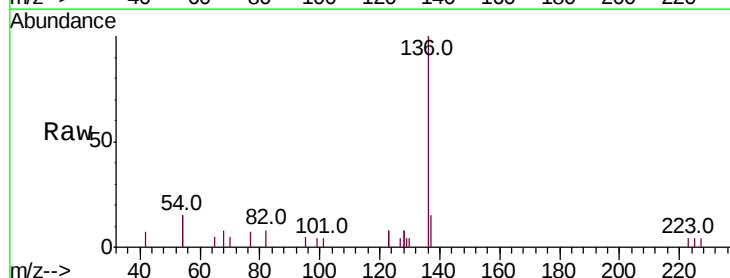
RT: 10.45 min Scan# 637

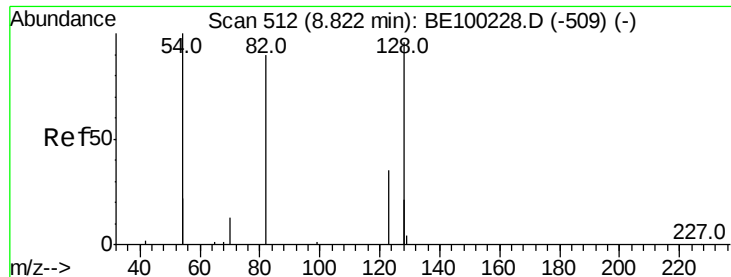
Delta R.T. 0.00 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.5	11.8	17.8
54	30.2	27.7	41.5
68	7.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.029 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Instrument :

BNA_E

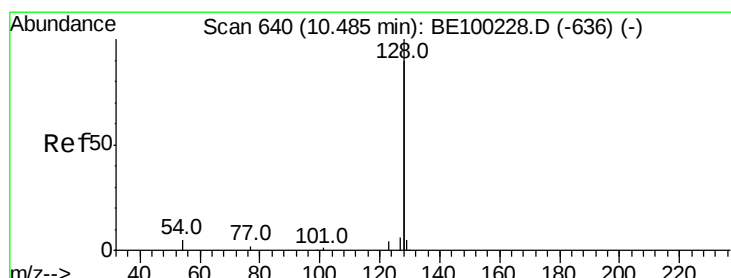
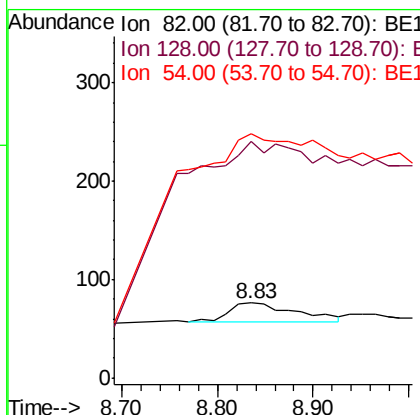
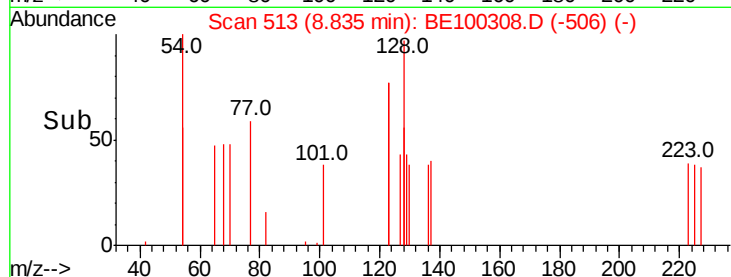
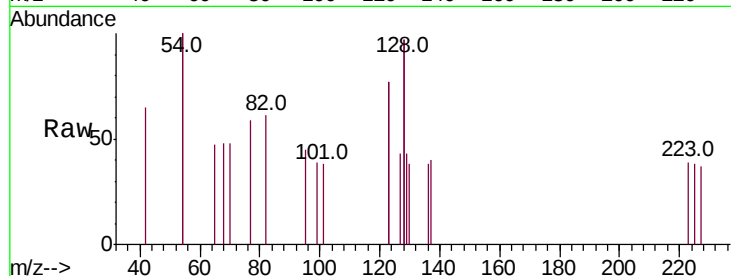
ClientSampleId :

EXT-008-SW113-061719

Tot Ion:	82	Resp:	91
Ion	Ratio	Lower	Upper
82	100		
128	315.8	140.9	211.3#
54	326.3	146.2	219.2#

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#9

Naphthalene

Concen: 0.041 ng

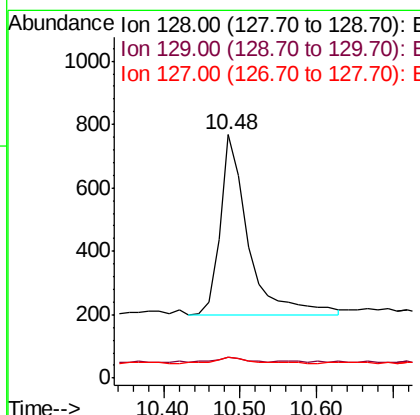
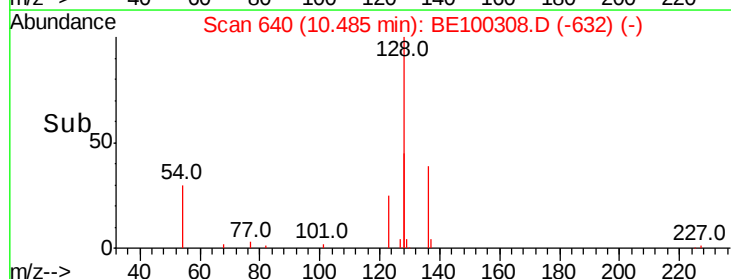
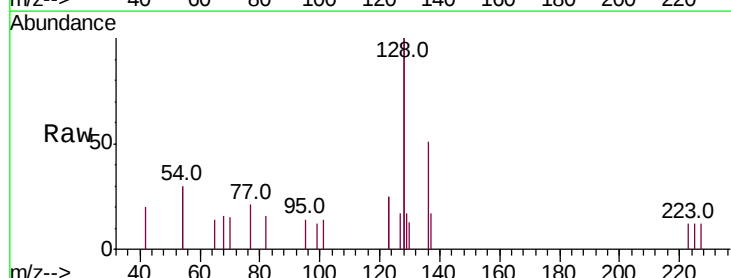
RT: 10.48 min Scan# 640

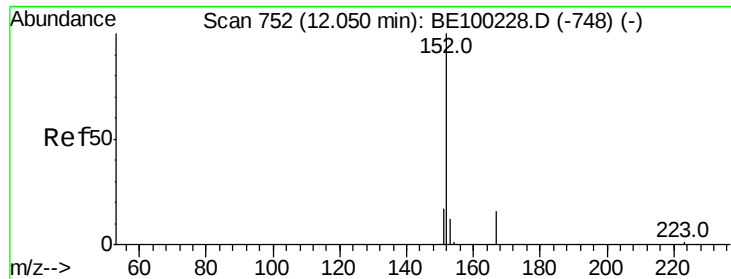
Delta R.T. 0.00 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Tgt Ion:	128	Resp:	1450
Ion	Ratio	Lower	Upper
128	100		
129	8.6	3.0	4.6#
127	8.6	3.5	5.3#





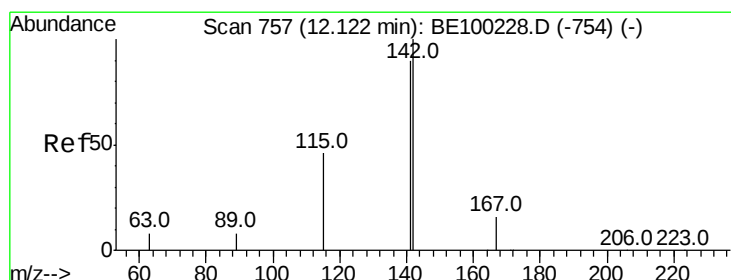
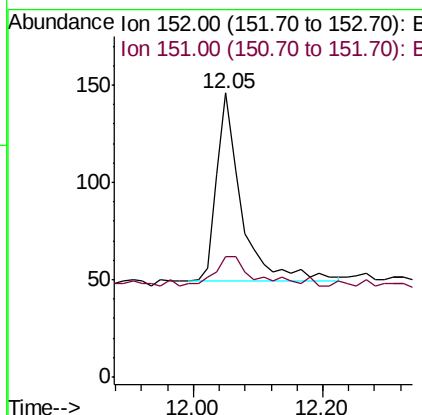
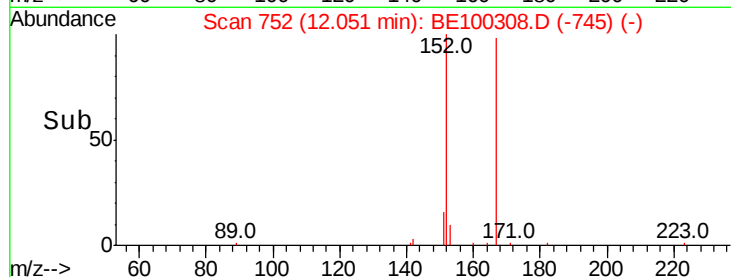
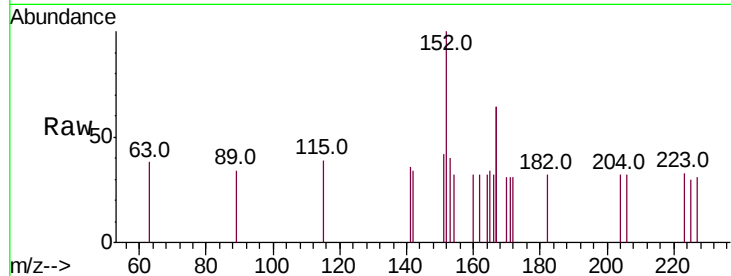
#11
2-Methylnaphthalene-d10
Concen: 0.043 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion:152 Resp: 258
Ion Ratio Lower Upper
152 100
151 22.1 15.1 22.7

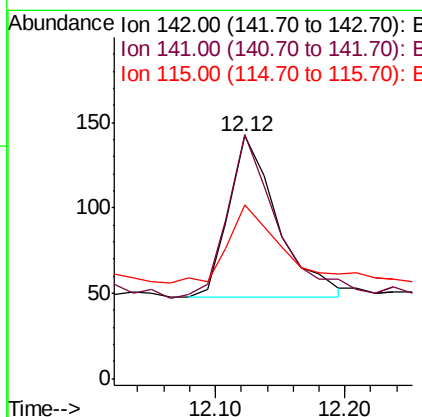
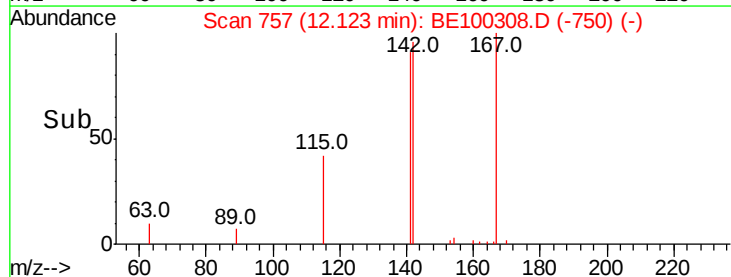
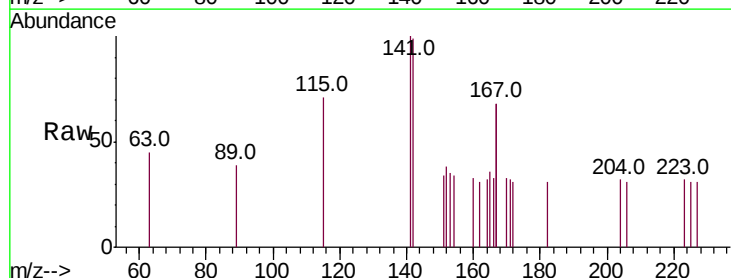
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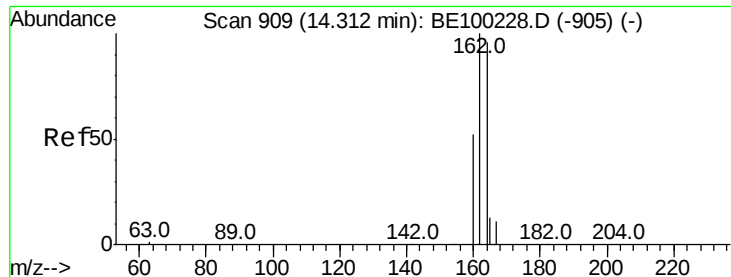
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#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion:142 Resp: 244
Ion Ratio Lower Upper
142 100
141 100.7 72.4 108.6
115 71.8 40.4 60.6#





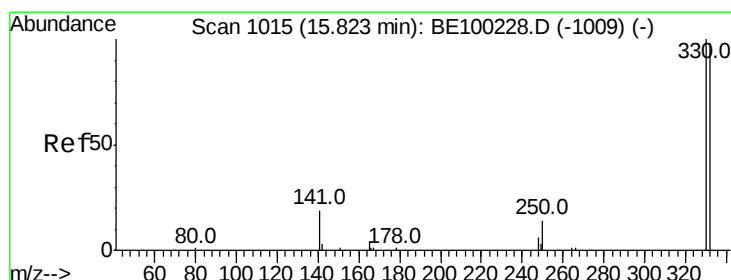
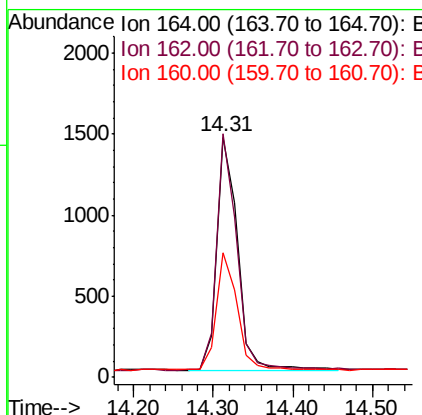
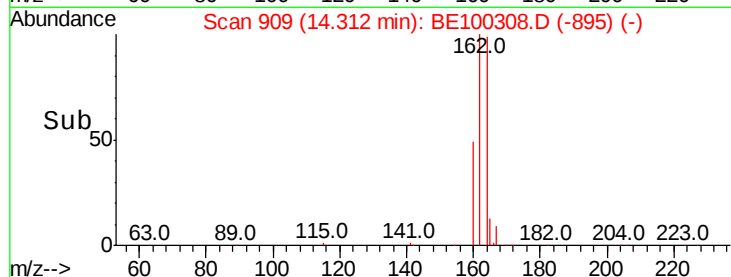
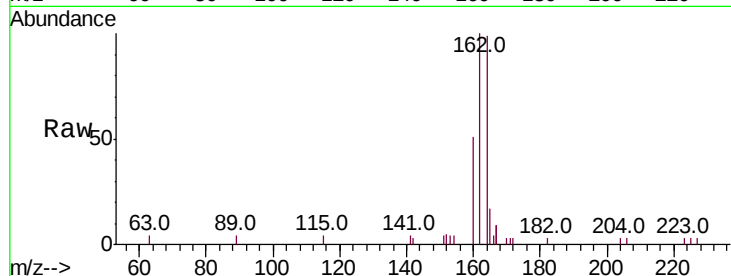
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.4	125.0
160	51.6	45.0	67.6

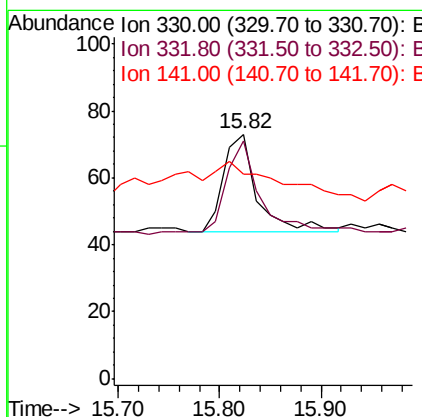
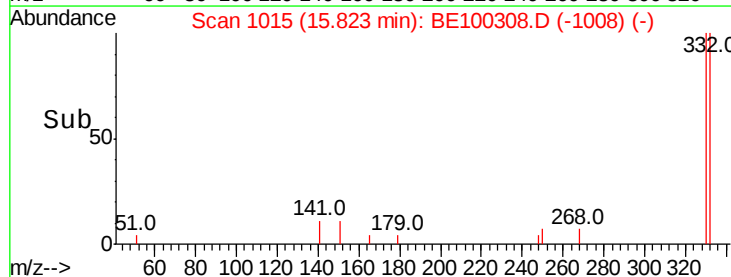
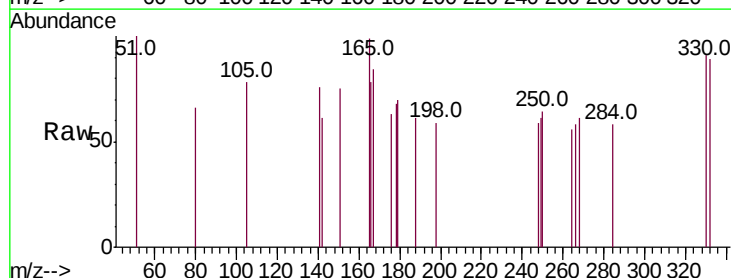
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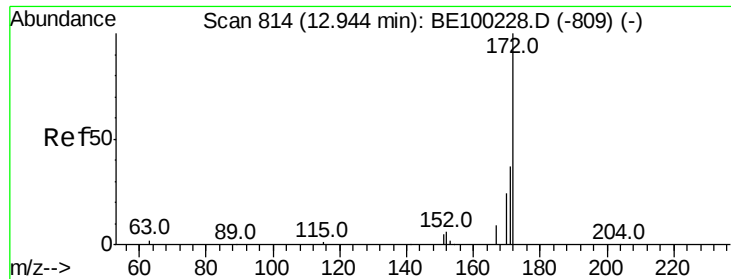
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#14
2,4,6-Tribromophenol
Concen: 0.037 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.0	77.0	115.4
141	79.1	22.0	33.0#





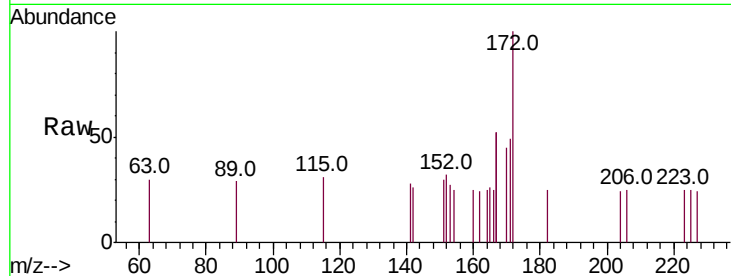
#15
2-Fluorobiphenyl
Concen: 0.030 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

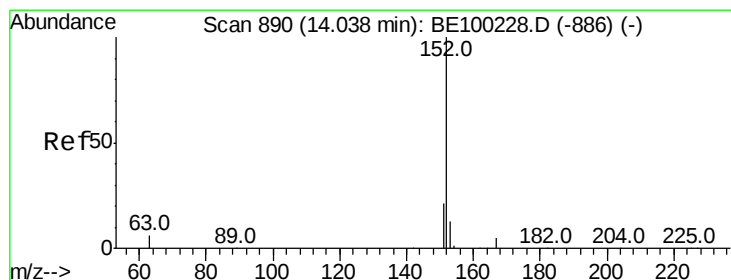
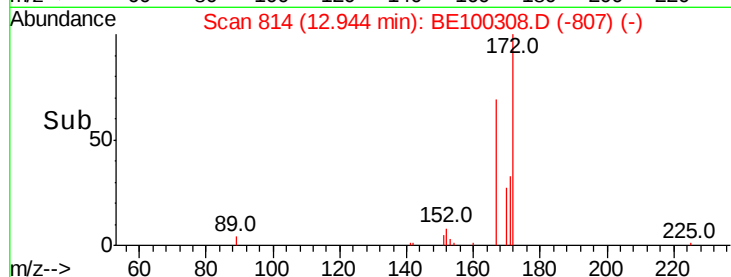
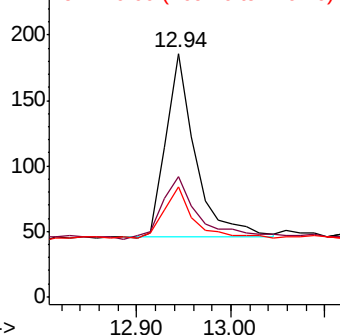
Tot Ion	Ratio	Lower	Upper
172	100		
171	49.5	31.9	47.9#
170	45.2	22.2	33.2#

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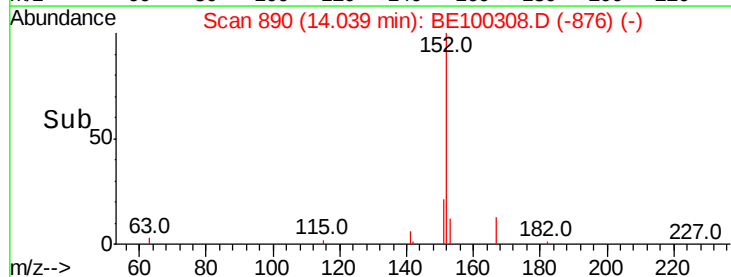
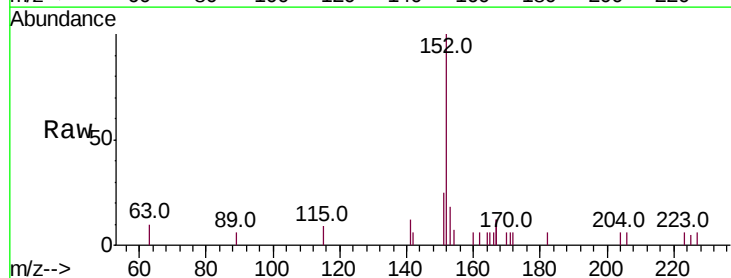
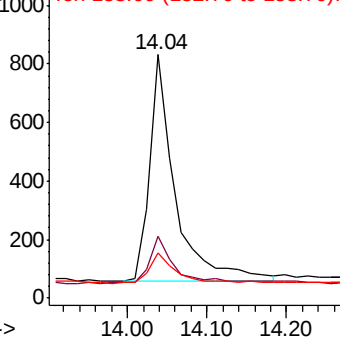
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

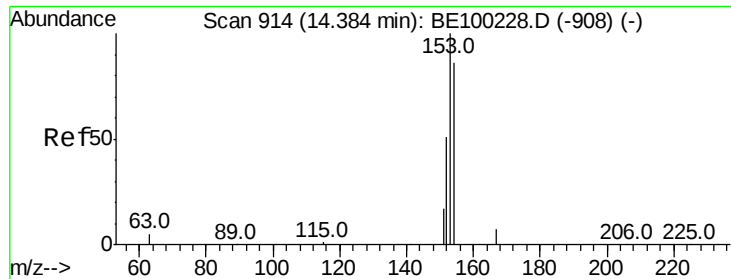


#16
Acenaphthylene
Concen: 0.140 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.6	25.0
153	14.0	10.5	15.7

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





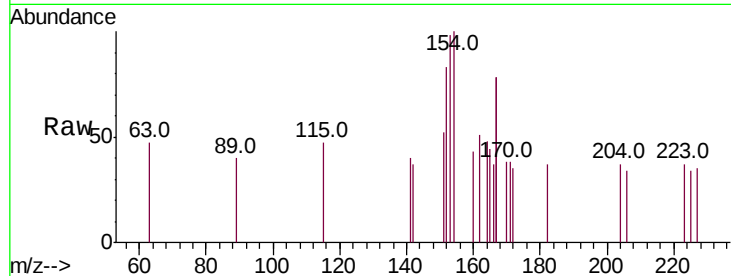
#17
Acenaphthene
Concen: 0.020 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

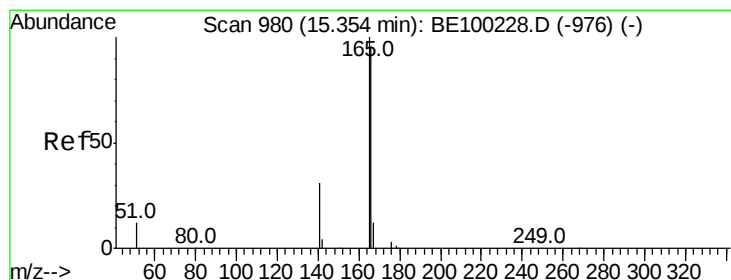
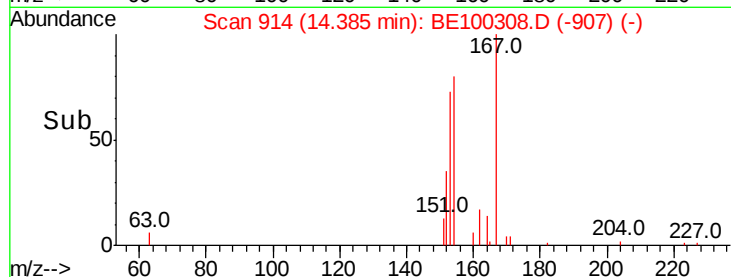
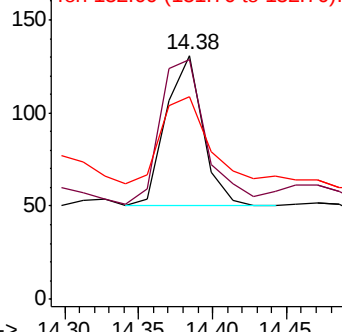
Tot Ion	Ratio	Lower	Upper
154	100		
153	119.9	93.4	140.2
152	78.0	49.4	74.2

Manual Integrations
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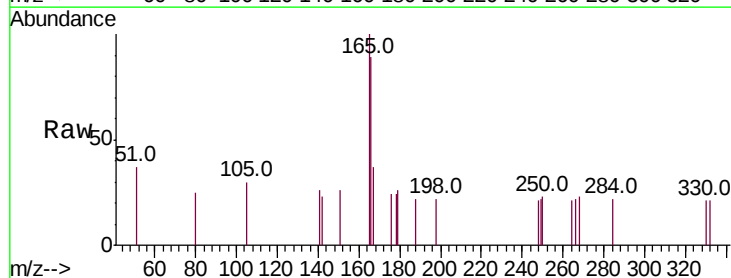


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

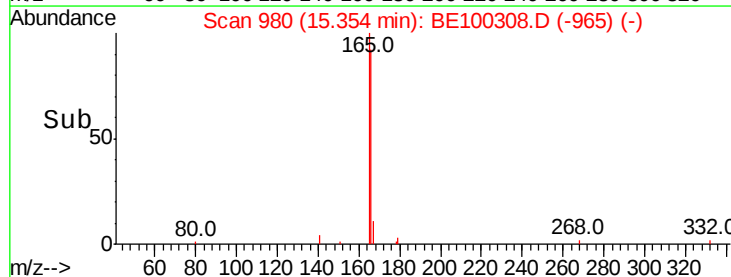
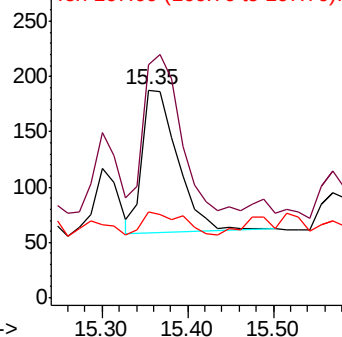


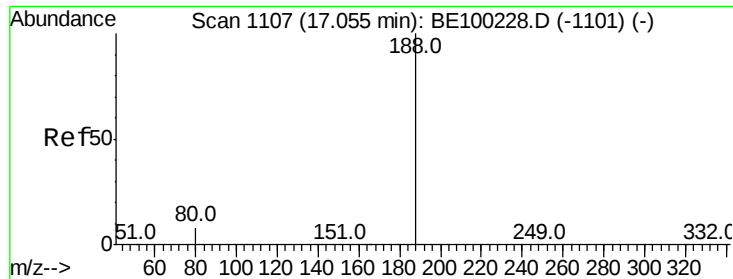
#18
Fluorene
Concen: 0.036 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.6	81.1	121.7
167	17.7	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





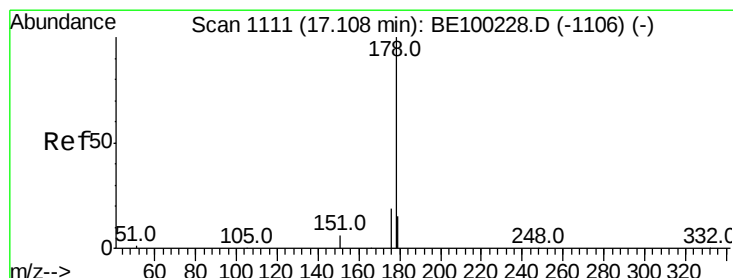
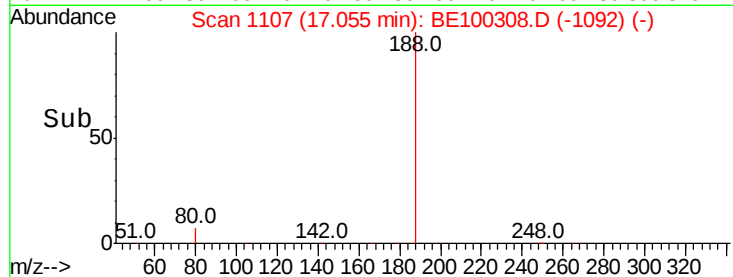
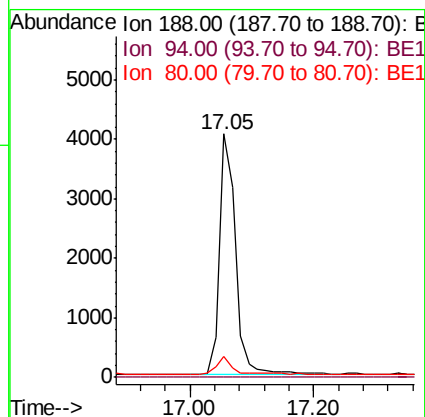
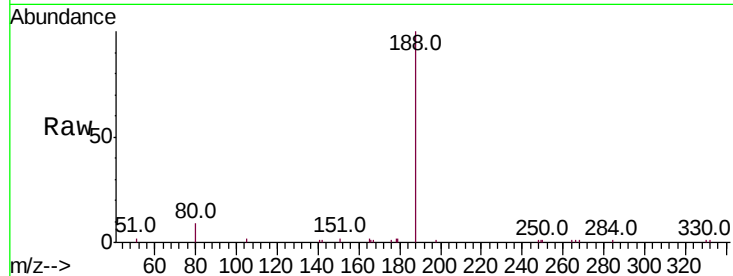
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

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

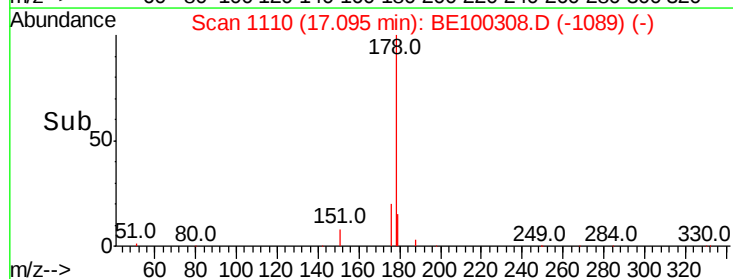
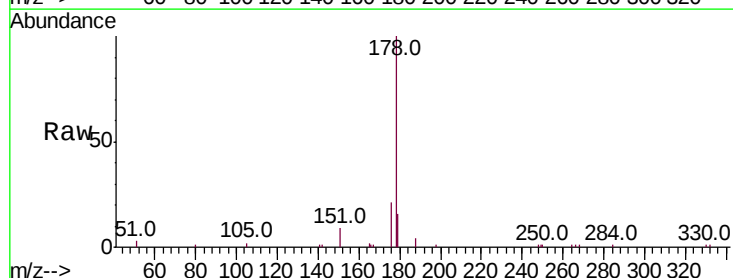
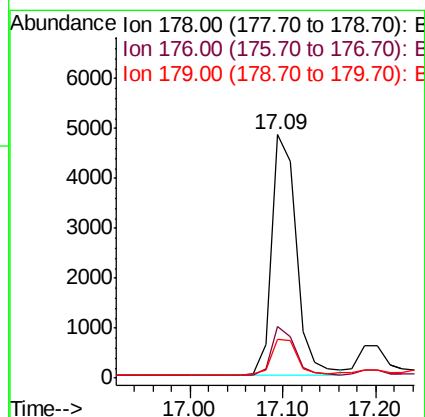
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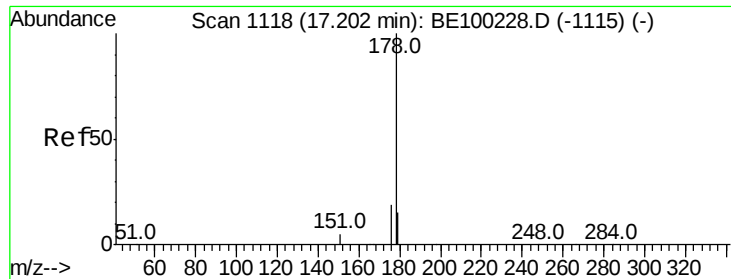
mohammad
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#23
Phenanthrene
Concen: 0.511 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.6	12.2	18.2





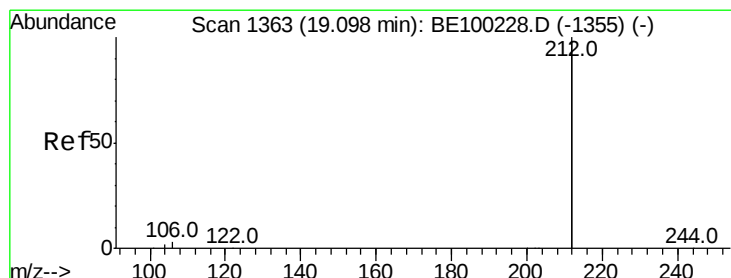
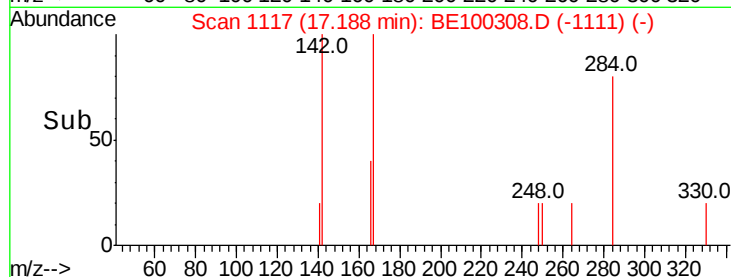
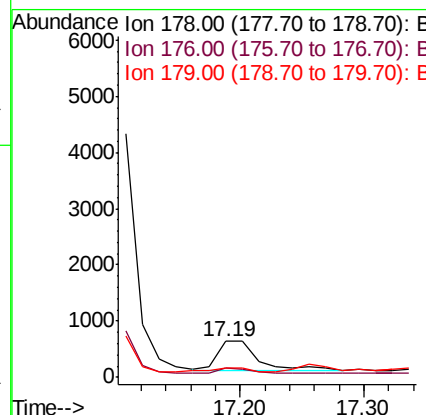
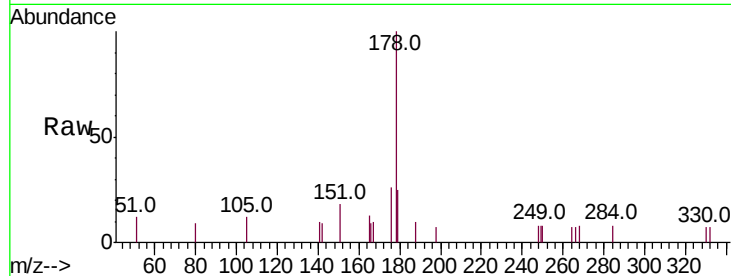
#24
 Anthracene
 Concen: 0.075 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100308.D
 Acq: 2 Jul 2019 18:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.3	22.9
179	12.4	12.2	18.2

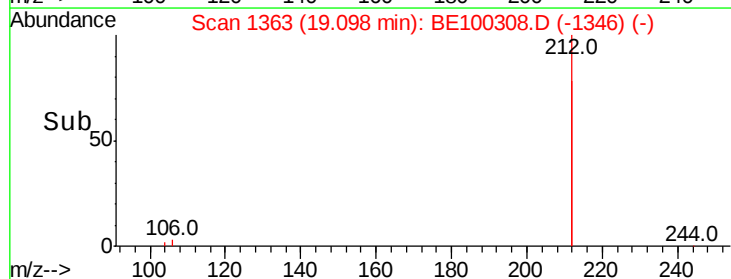
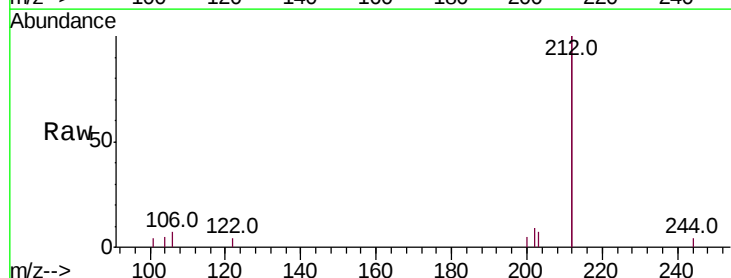
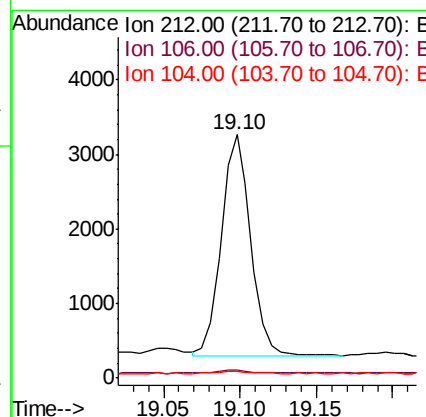
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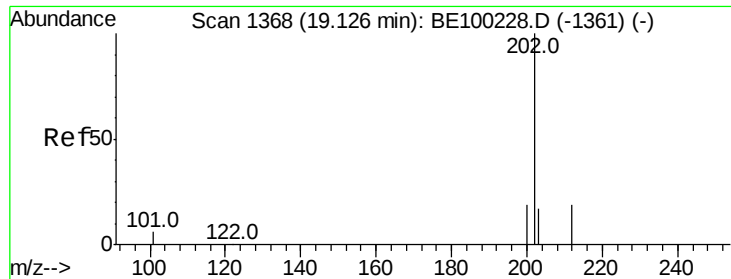
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100308.D
 Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.3	0.8	1.2#





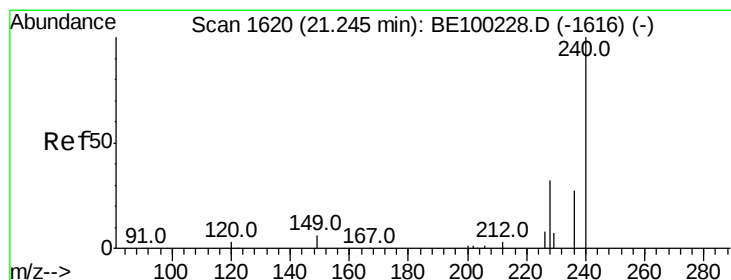
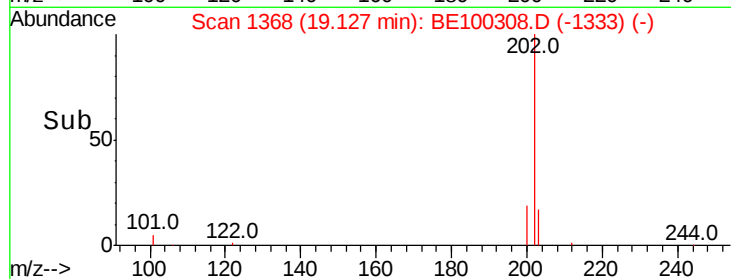
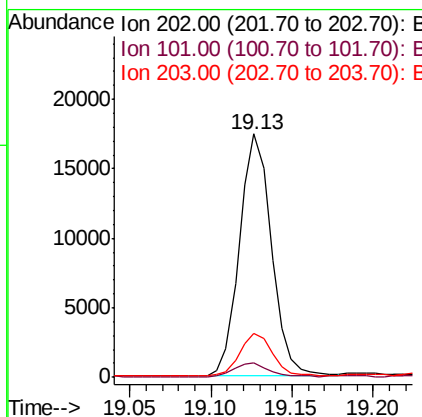
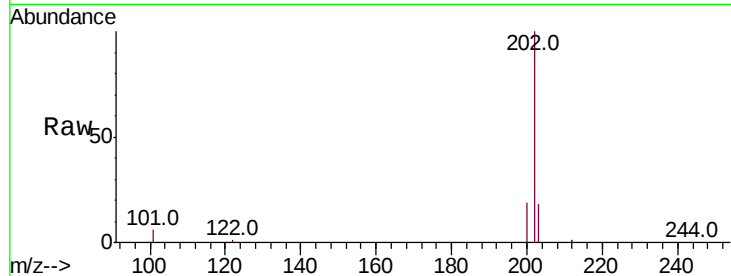
#26
Fluoranthene
 Concen: 0.857 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100308.D
 Acq: 2 Jul 2019 18:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.8	13.7	20.5

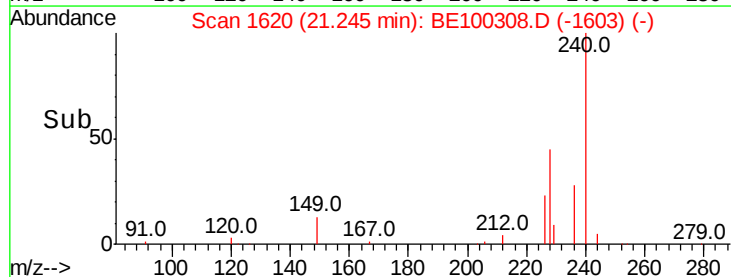
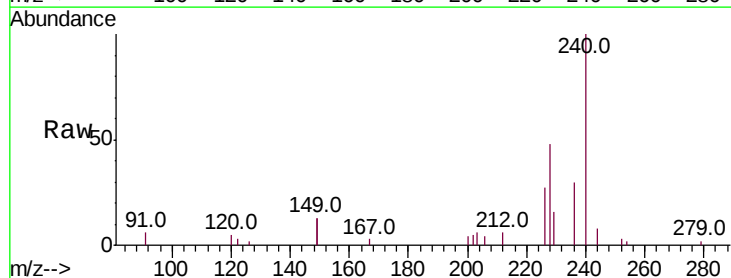
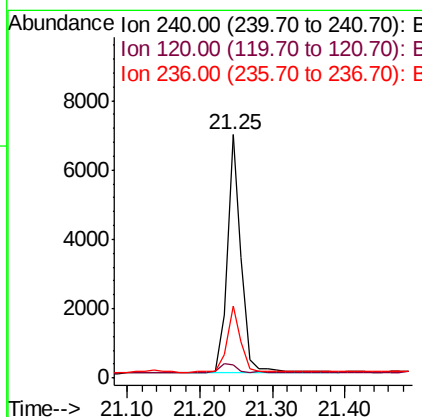
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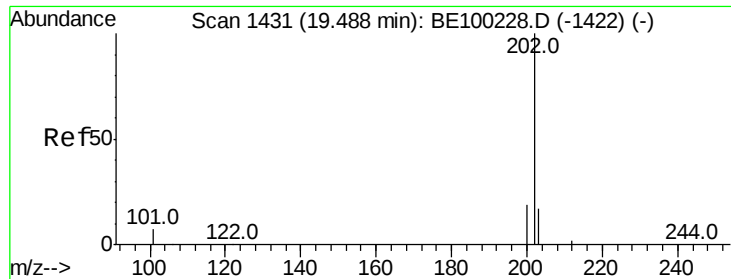
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100308.D
 Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	3.3	4.9#
236	29.8	22.6	34.0





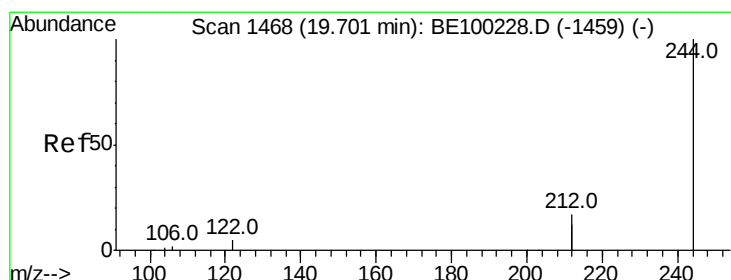
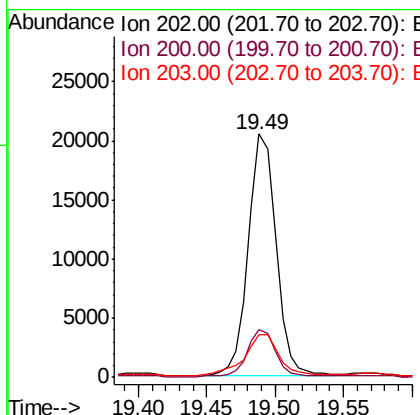
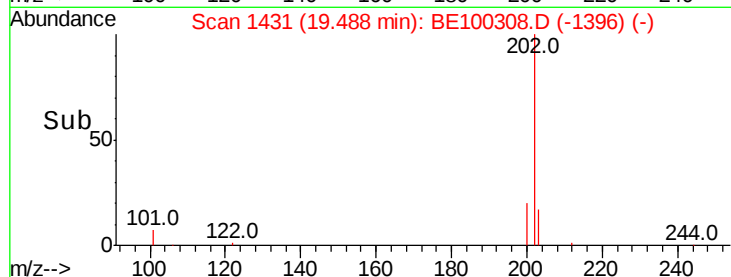
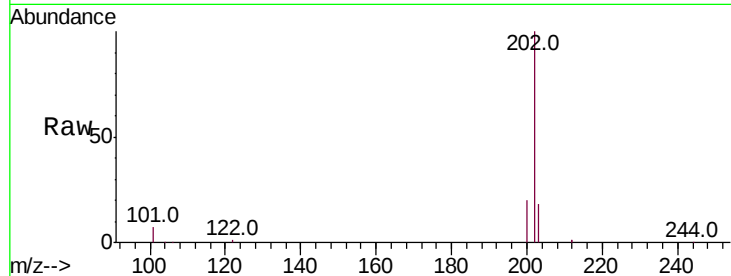
#28
Pvrene
Concen: 1.168 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	15.6	23.4	
203	20.9	14.0	21.0	

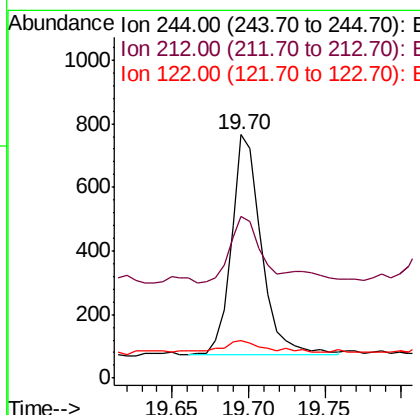
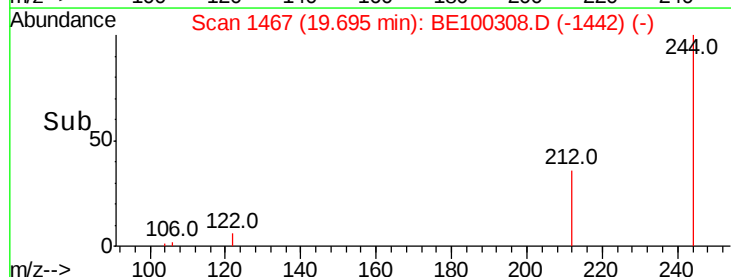
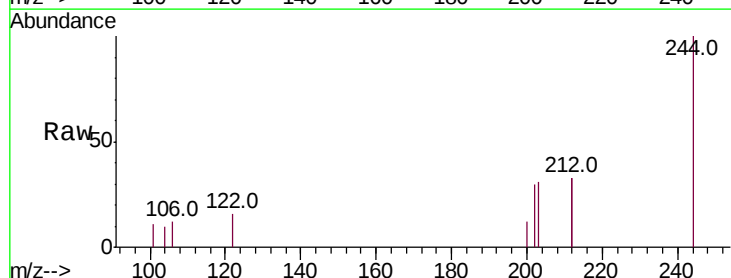
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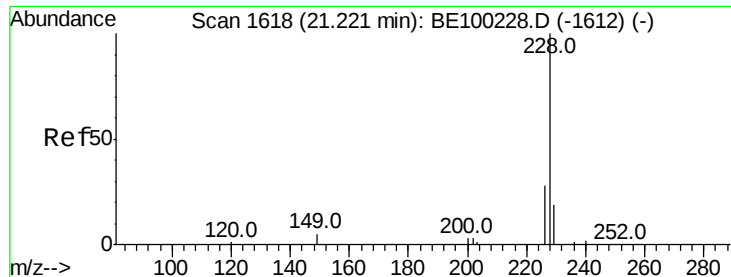
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#29
Terphenyl-d14
Concen: 0.049 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	66.3	27.3	40.9#	
122	15.7	4.7	7.1#	





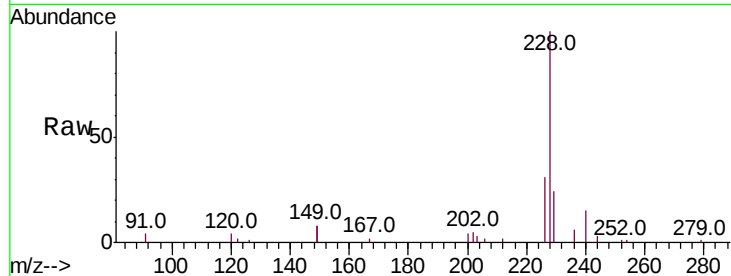
#30
Benzo(a)anthracene
Concen: 0.626 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.2	34.8
229	24.1	15.7	23.5

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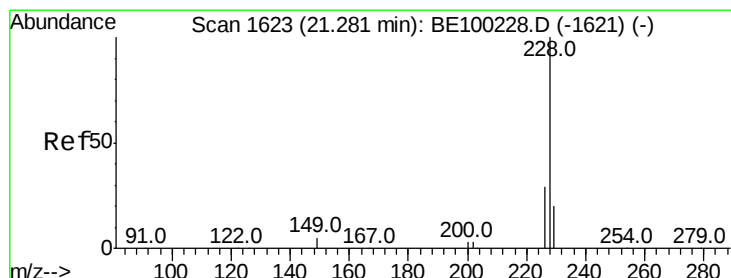
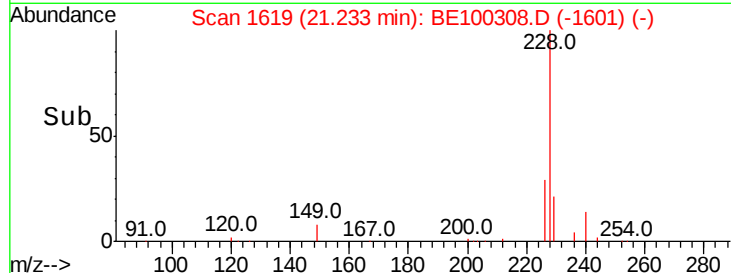
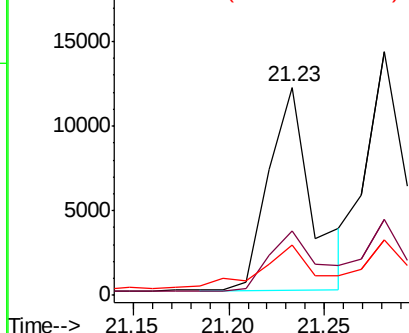


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.632 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

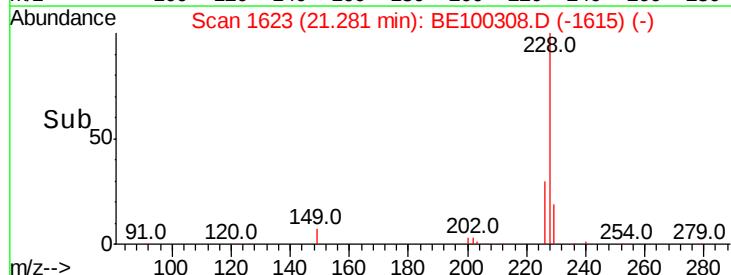
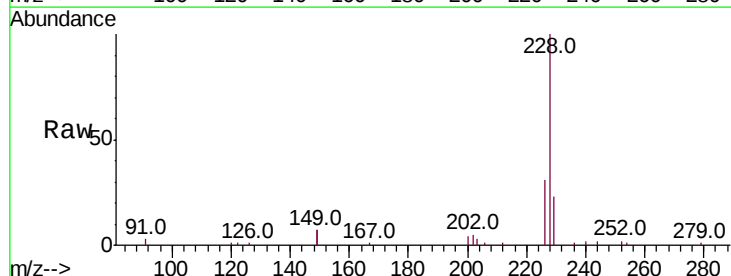
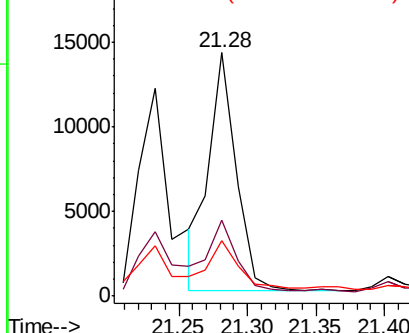
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	23.0	16.5	24.7

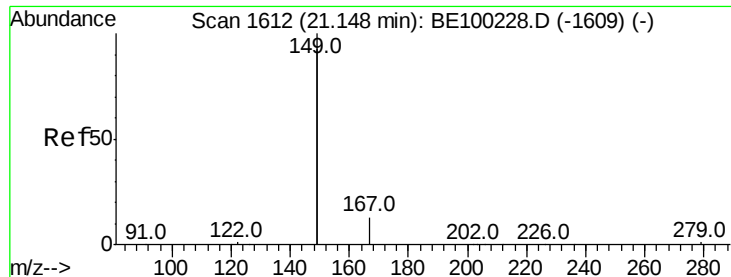
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.175 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Instrument :

BNA_E

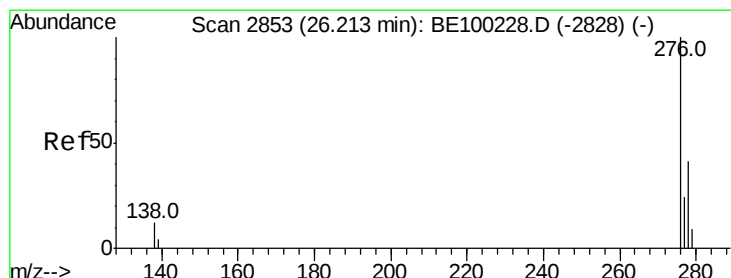
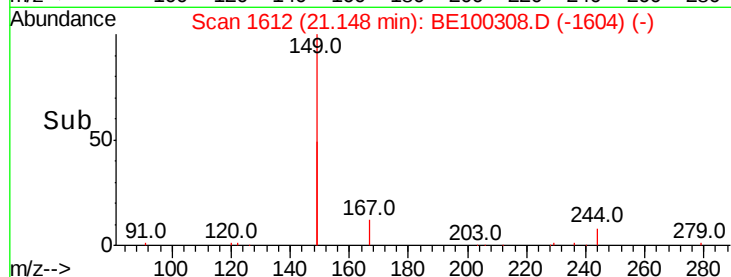
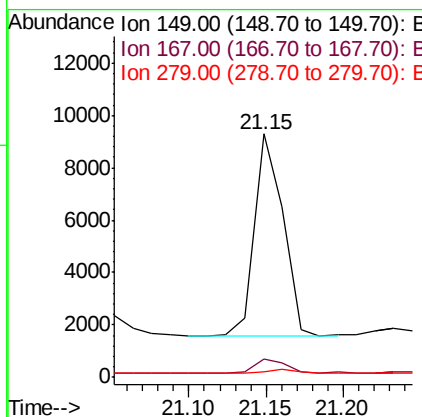
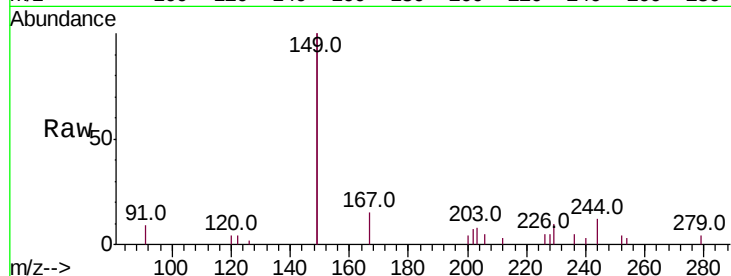
ClientSampleId :

EXT-008-SW113-061719

Tot Ion:	149	Resp:	10011
Ion Ratio	Lower	Upper	
149	100		
167	8.1	5.8	8.8
279	1.8	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.355 ng

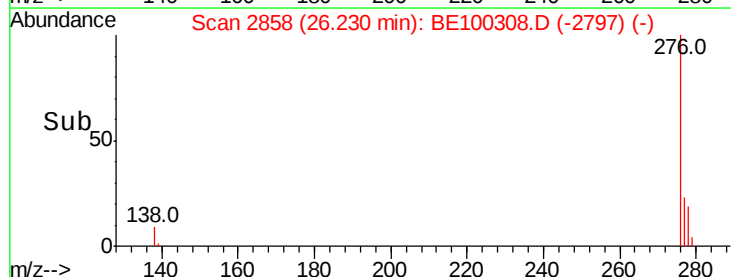
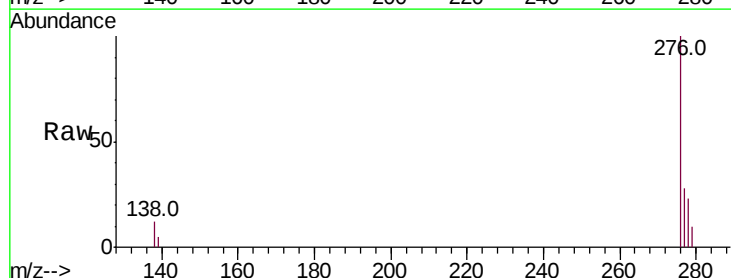
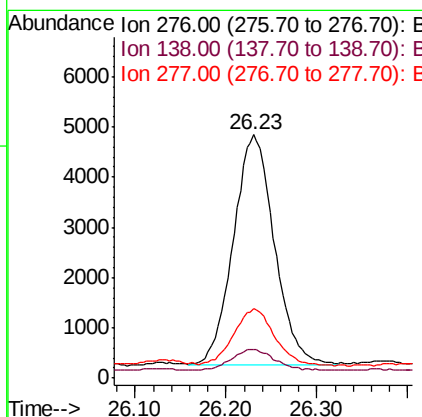
RT: 26.23 min Scan# 2858

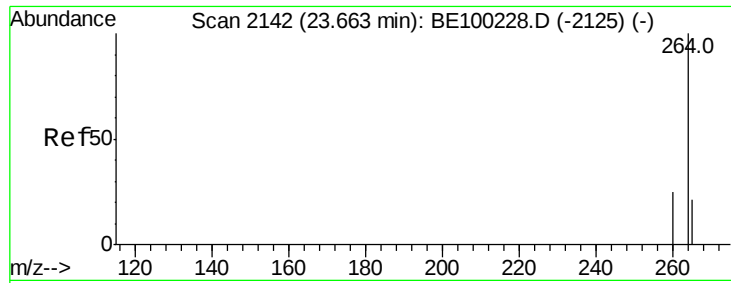
Delta R.T. 0.02 min

Lab File: BE100308.D

Acq: 2 Jul 2019 18:39

Tgt Ion:	276	Resp:	14348
Ion Ratio	Lower	Upper	
276	100		
138	9.5	9.4	14.0
277	24.8	19.2	28.8





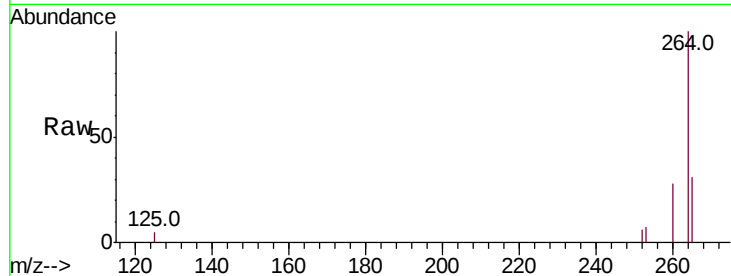
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	31.3	21.8	32.6

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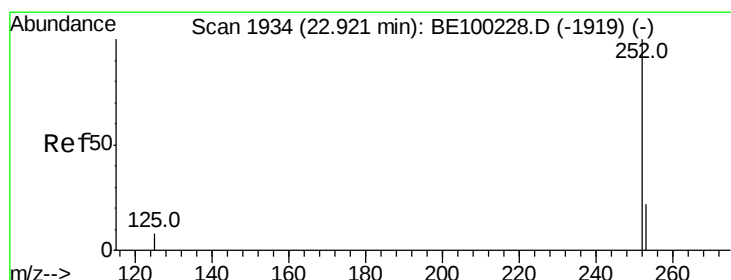
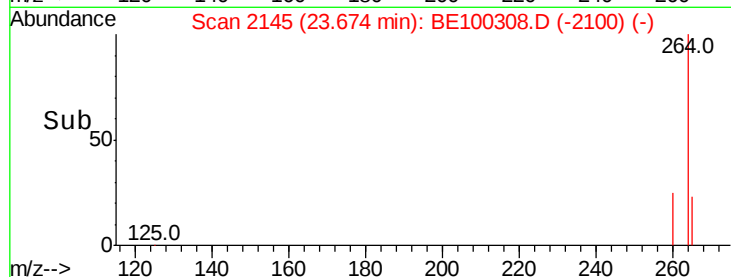
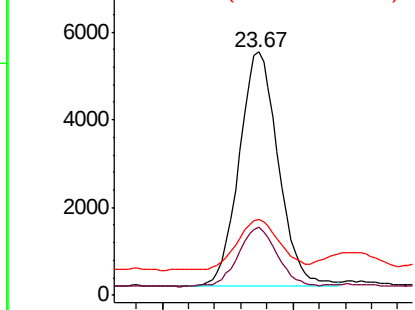


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 0.785 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

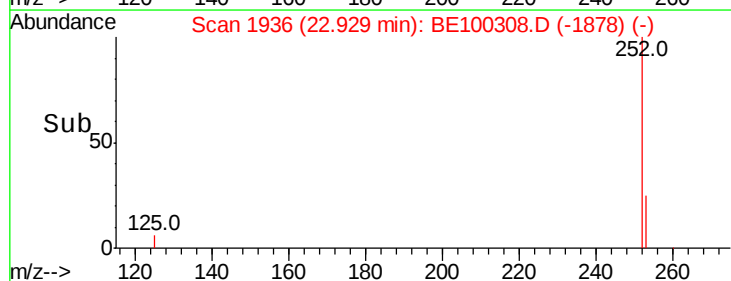
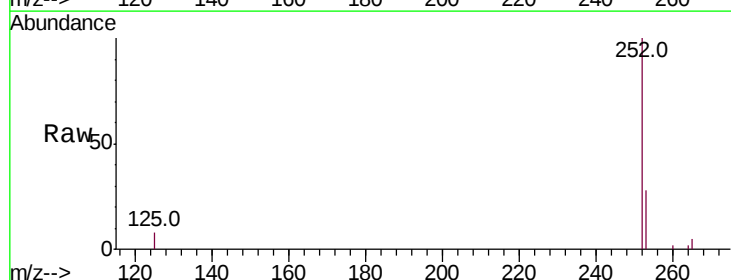
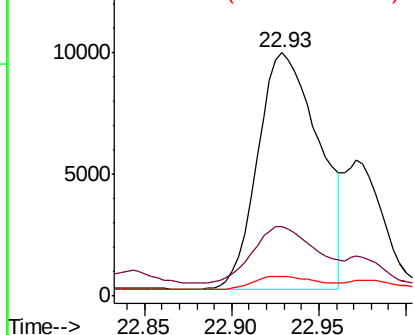
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	19.2	28.8
125	8.3	7.4	11.0

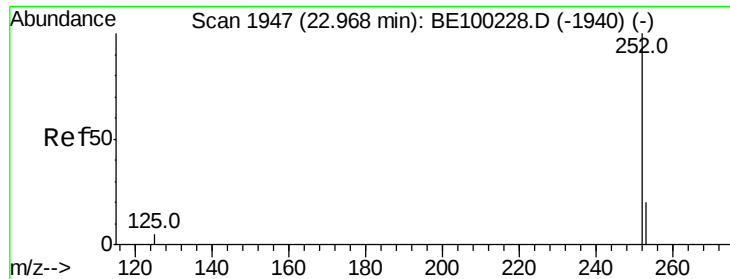
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





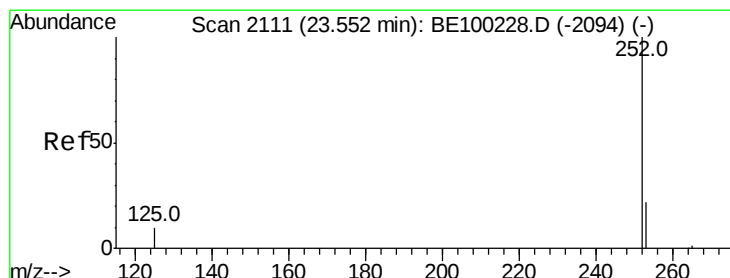
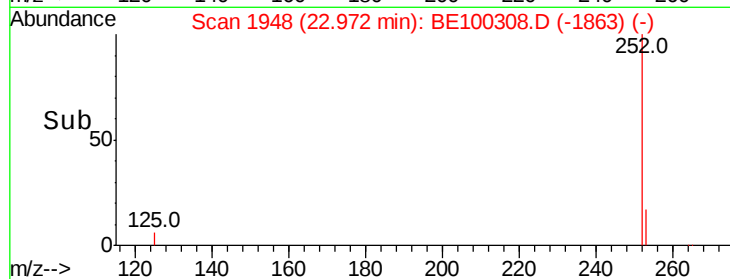
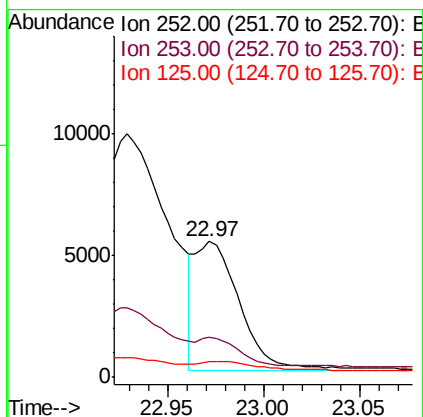
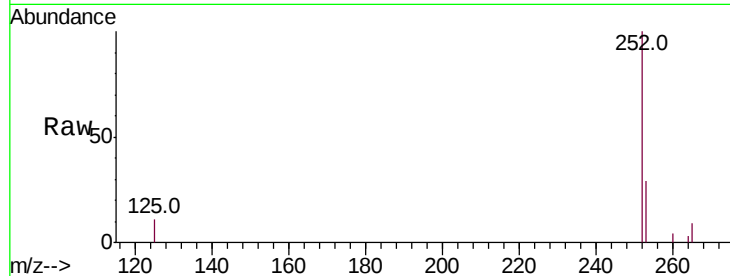
#36
Benzo(k)fluoranthene
Concen: 0.254 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.9	26.9#
125	11.2	5.0	7.4#

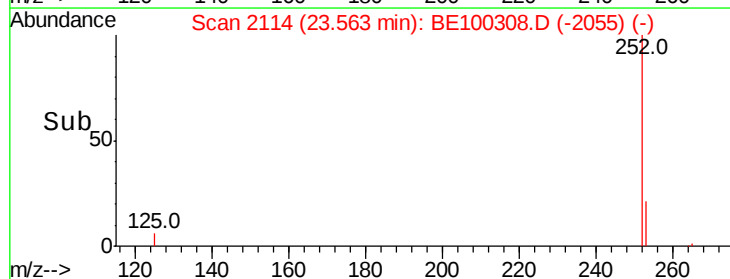
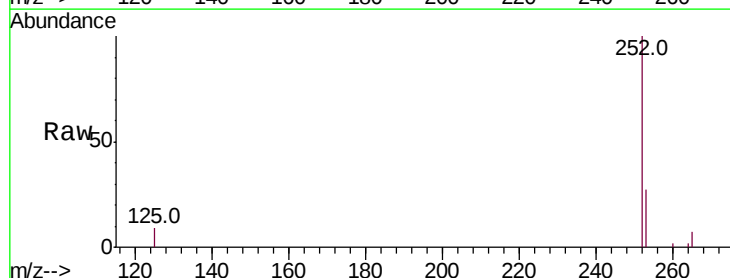
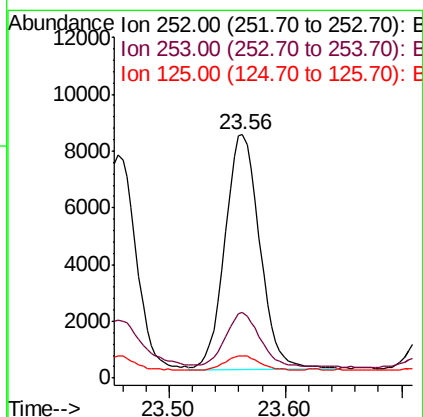
Manual Integrations
APPROVED

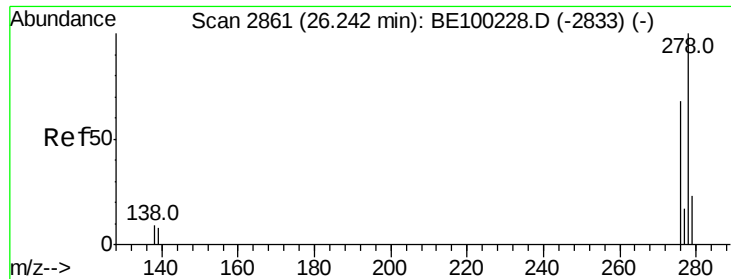
mohammad
7/3/2019 10:48:57 PM



#37
Benzo(a)pyrene
Concen: 0.565 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.6	29.4
125	9.3	9.0	13.6





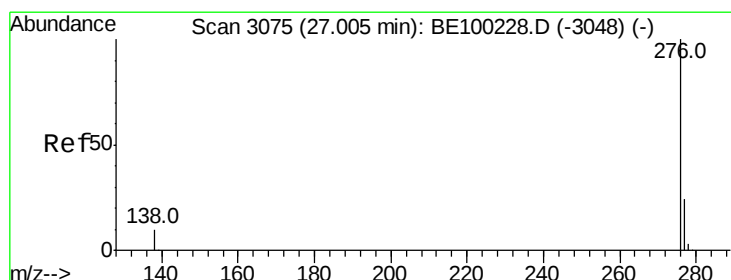
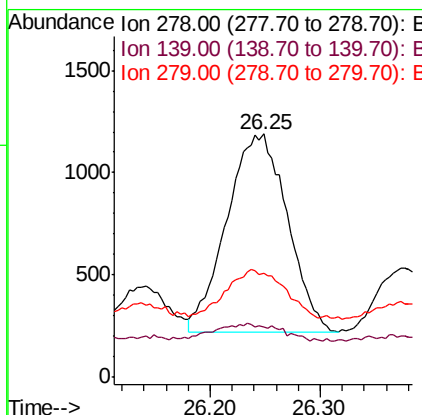
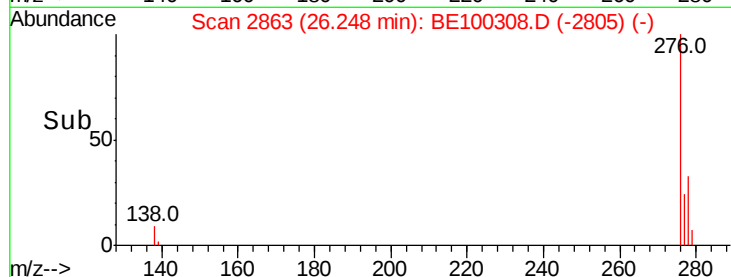
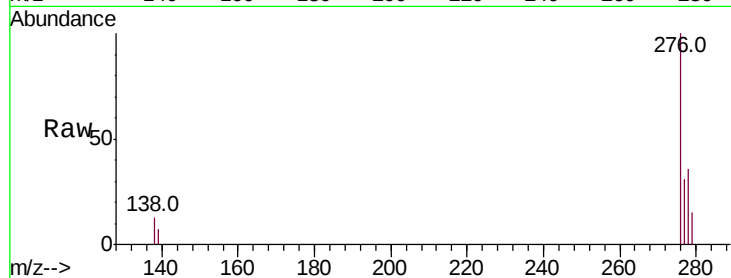
#38
Dibenzo(a,h)anthracene
Concen: 0.116 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW113-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.4	8.2	12.2#
279	42.8	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:48:57 PM



#39
Benzo(g,h,i)perylene
Concen: 0.515 ng
RT: 27.03 min Scan# 3081
Delta R.T. 0.02 min
Lab File: BE100308.D
Acq: 2 Jul 2019 18:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.2	30.2
138	11.9	9.0	13.6

