

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100311.D
 Acq On : 2 Jul 2019 20:26
 Operator : JU/SJ
 Sample : K3446-14DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

Manual Integrations
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Quant Time: Jul 03 03:50:12 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	867	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3116	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2492	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6821	0.40	ng	0.00
27) Chrysene-d12	21.24	240	8814	0.40	ng	0.00
34) Perylene-d12	23.67	264	10402	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	327	0.15	ng	0.00
5) Phenol-d6	6.83	99	484	0.17	ng	-0.01
8) Nitrobenzene-d5	8.82	82	422	0.14	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	962	0.16	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	294	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1406	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	14570	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	3280	0.18	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	3592	0.105	ng	# 96
12) 2-Methylnaphthalene	12.12	142	526	0.087	ng	94
16) Acenaphthylene	14.04	152	2556	0.214	ng	98
17) Acenaphthene	14.38	154	639	0.094	ng	95
18) Fluorene	15.35	166	1423	0.142	ng	# 94
23) Phenanthrene	17.09	178	42153	2.550	ng	100
24) Anthracene	17.19	178	6613	0.444	ng	97
26) Fluoranthene	19.13	202	98293	3.733	ng	99
28) Pyrene	19.49	202	95478	4.092	ng	96
30) Benzo(a)anthracene	21.23	228	59152	2.041	ng	97
31) Chrysene	21.28	228	53977	1.855	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	120743	2.890	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	35331	0.918	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	67876	2.407	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	26326m	0.836	ng	
37) Benzo(a)pyrene	23.56	252	48542	1.717	ng	# 96
38) Dibenzo(a,h)anthracene	26.25	278	8970	0.304	ng	# 80
39) Benzo(a,h,i)perylene	27.03	276	35546	1.172	ng	99

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

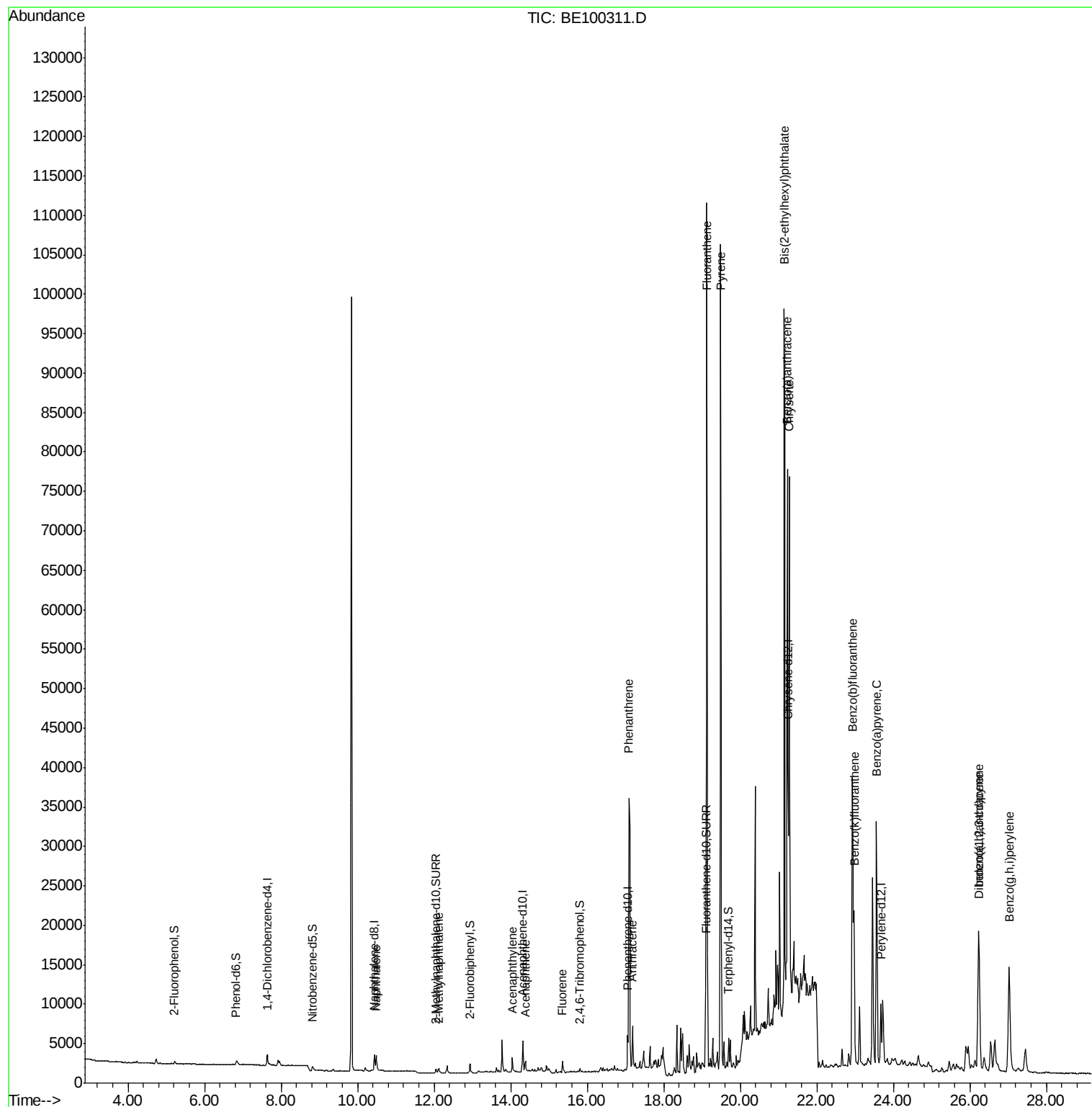
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

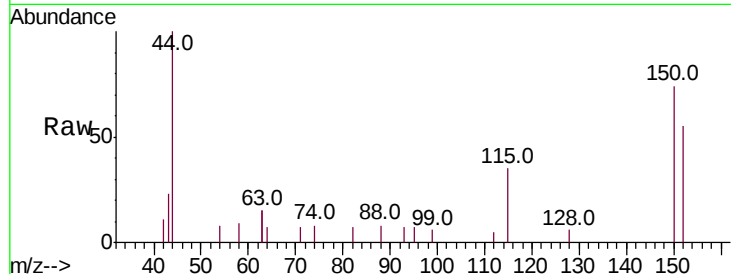
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.0	114.5	171.7
115	63.4	57.1	85.7

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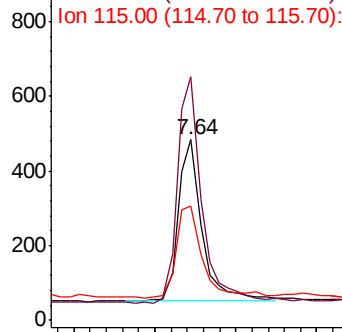


Abundance

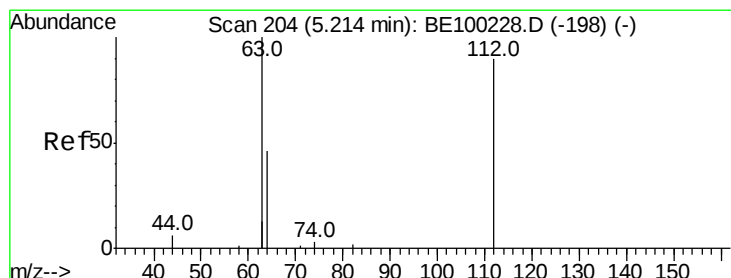
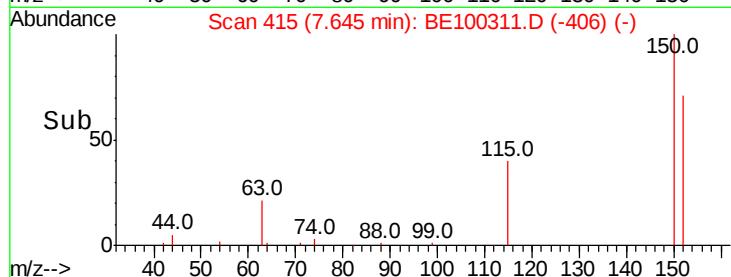
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



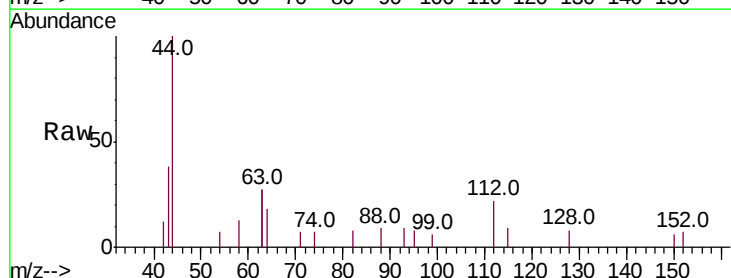
Time-->



#4

2-Fluorophenol
Concen: 0.148 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	39.4	59.0#
63	148.3	104.5	156.7

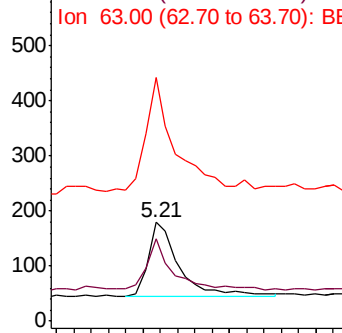


Abundance

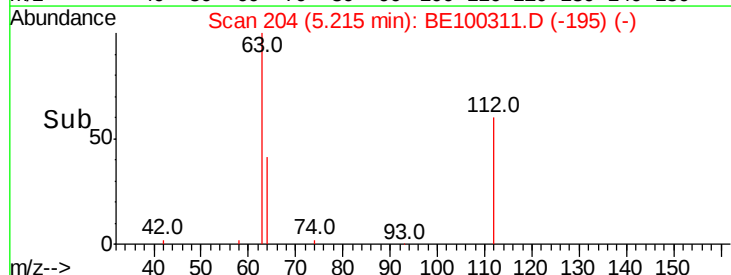
Ion 112.00 (111.70 to 112.70): E

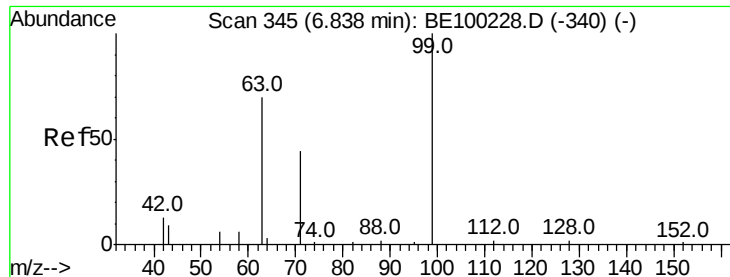
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.166 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

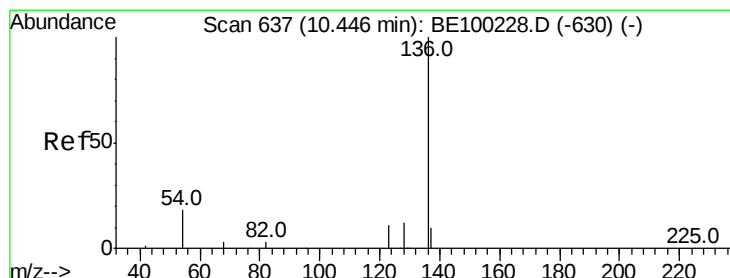
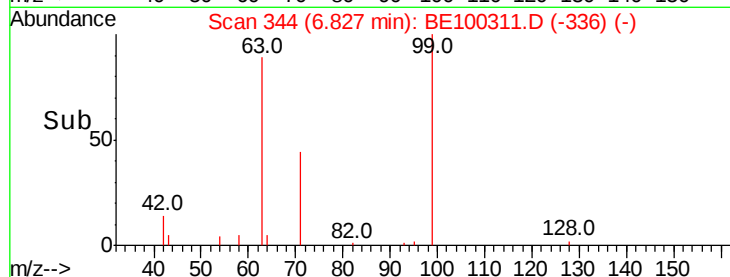
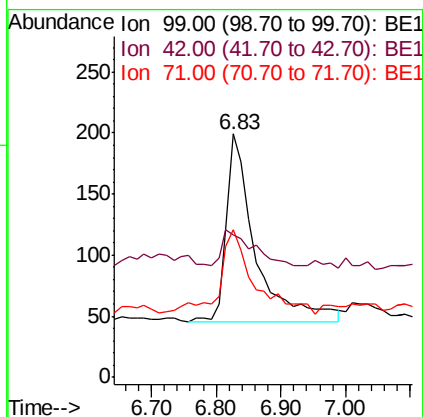
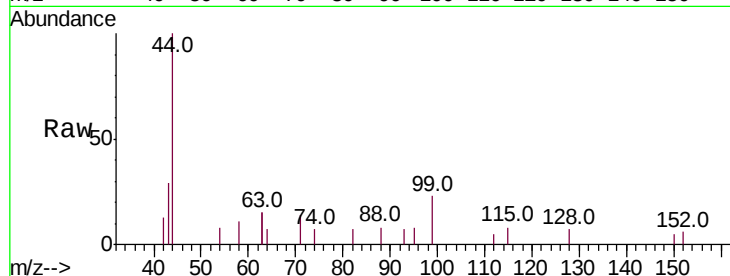
ClientSampleId :

EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.3	11.2	16.8#
71	47.7	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

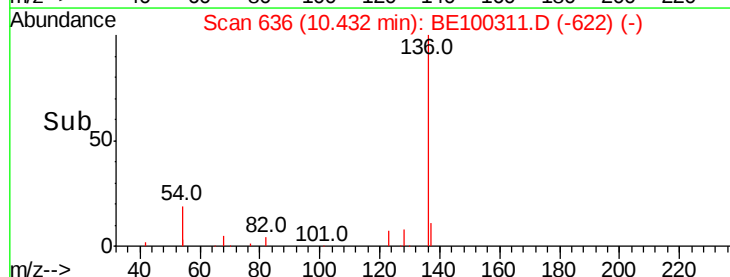
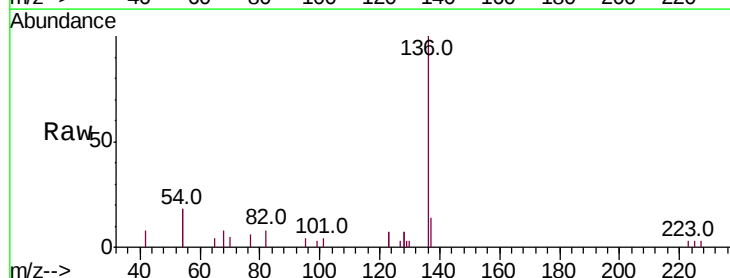
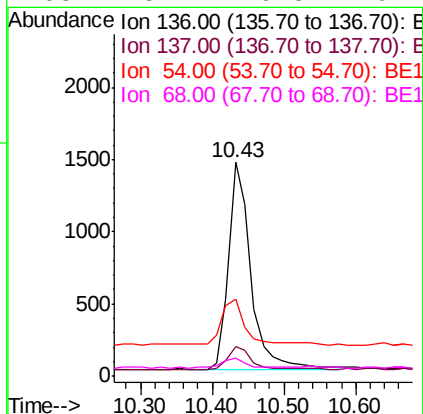
RT: 10.43 min Scan# 636

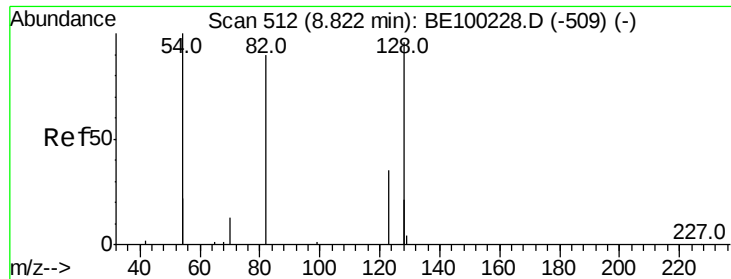
Delta R.T. -0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.6	11.8	17.8
54	35.8	27.7	41.5
68	8.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.136 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

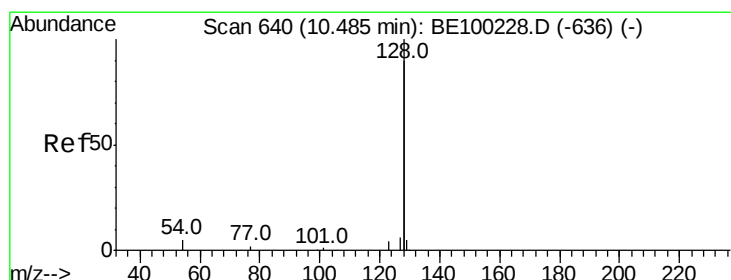
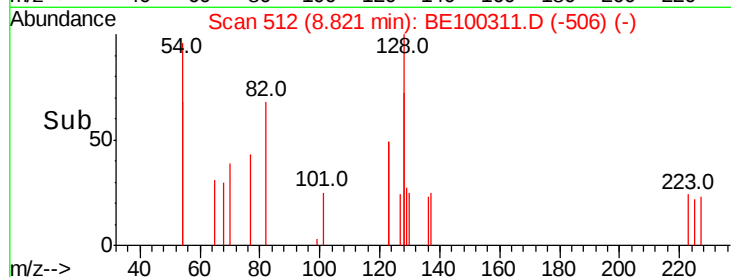
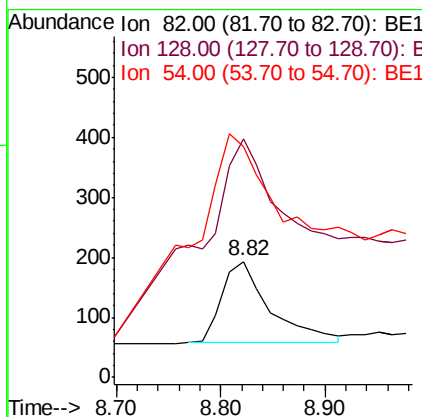
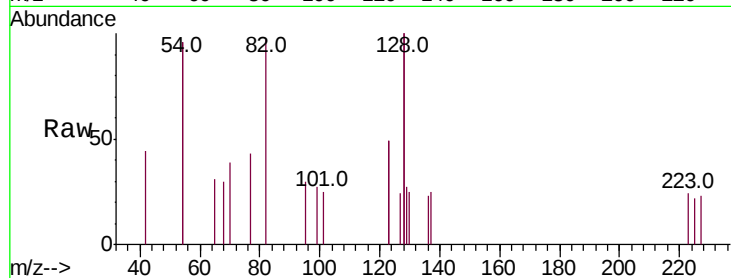
ClientSampleId :

EXT-008-SW123-061819-1DL

Tot Ion:	82	Resp:	422
Ion	Ratio	Lower	Upper
82	100		
128	206.2	140.9	211.3
54	199.0	146.2	219.2

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#9

Naphthalene

Concen: 0.105 ng

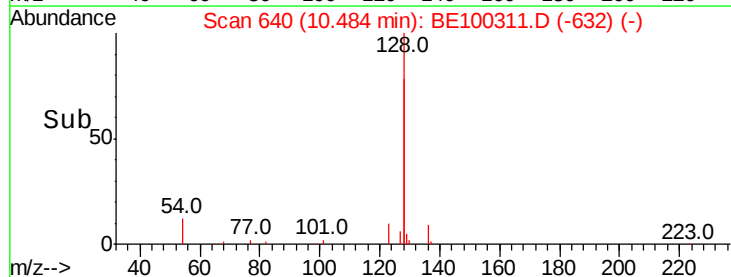
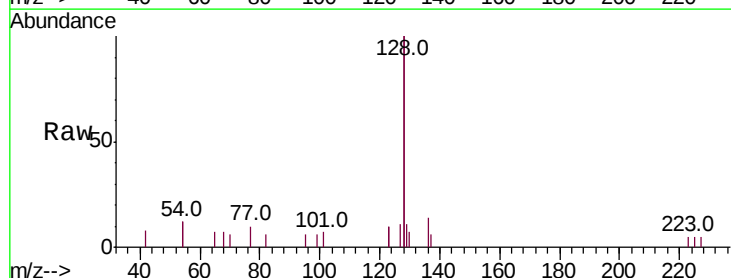
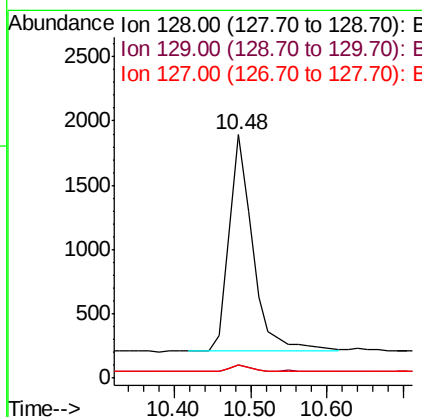
RT: 10.48 min Scan# 640

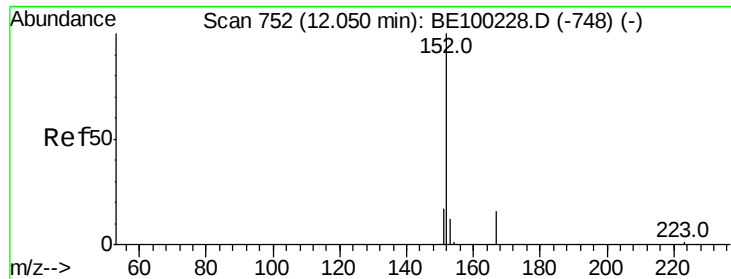
Delta R.T. -0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion:	128	Resp:	3592
Ion	Ratio	Lower	Upper
128	100		
129	5.3	3.0	4.6#
127	5.5	3.5	5.3#





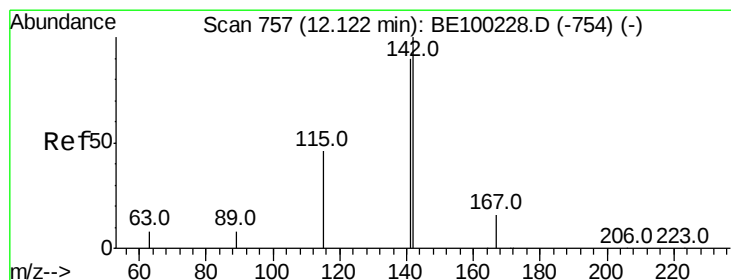
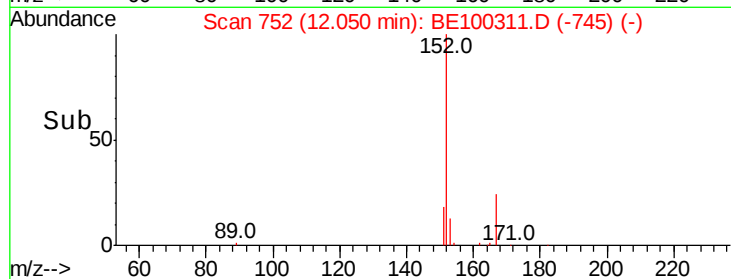
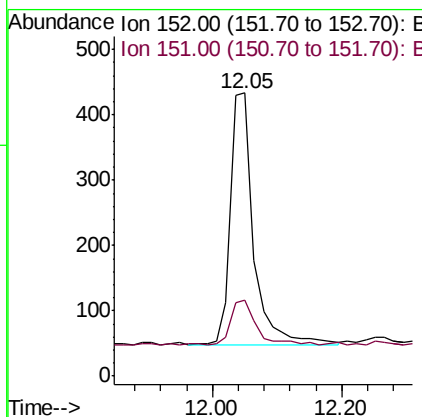
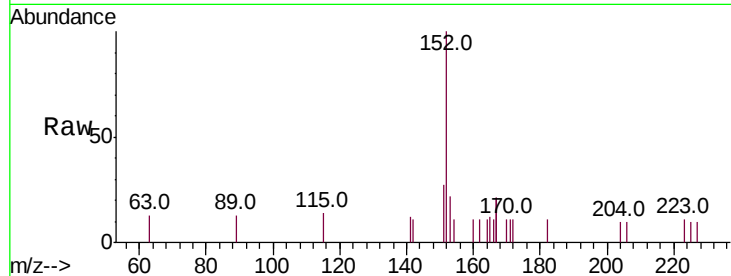
#11
2-Methylnaphthalene-d10
Concen: 0.164 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.1	22.7

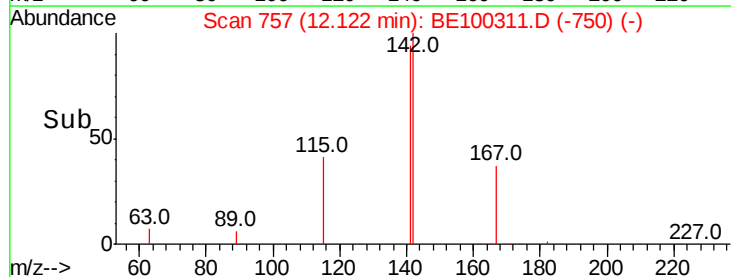
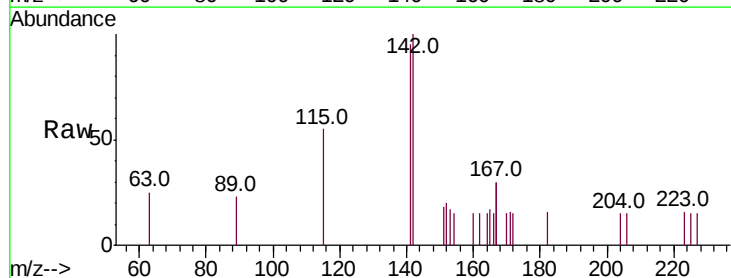
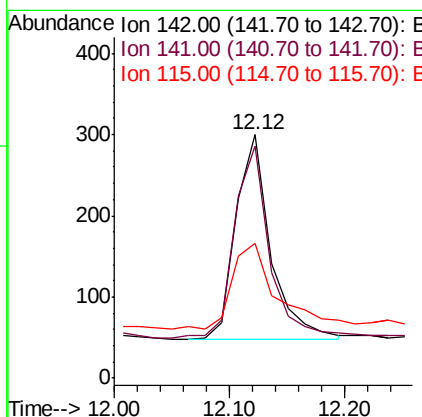
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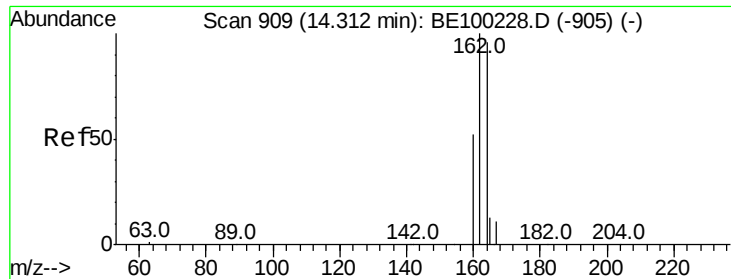
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#12
2-Methylnaphthalene
Concen: 0.087 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.3	72.4	108.6
115	55.3	40.4	60.6





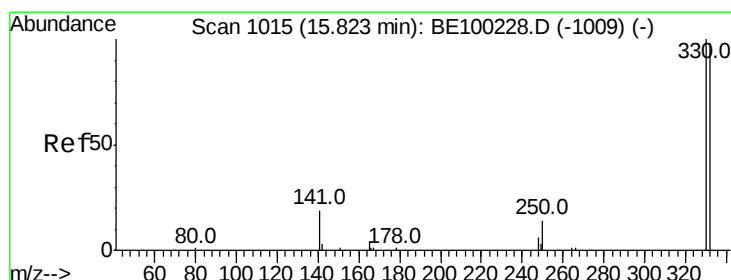
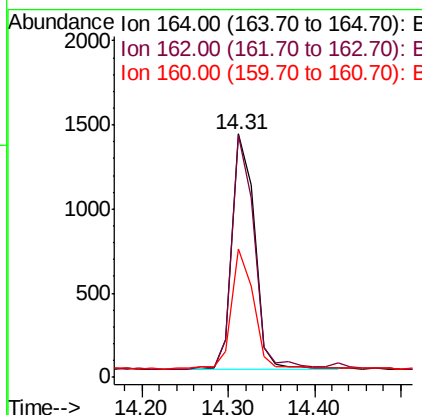
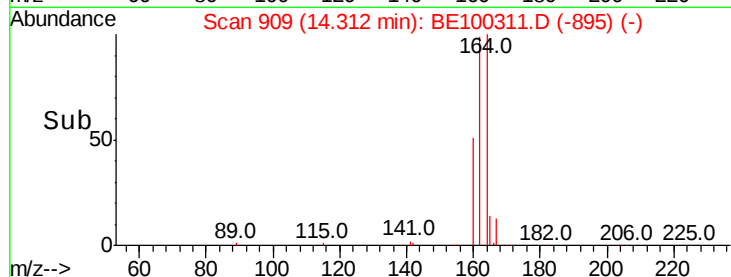
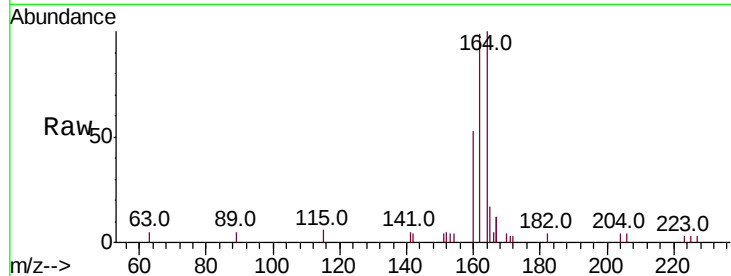
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	83.4	125.0
160	52.6	45.0	67.6

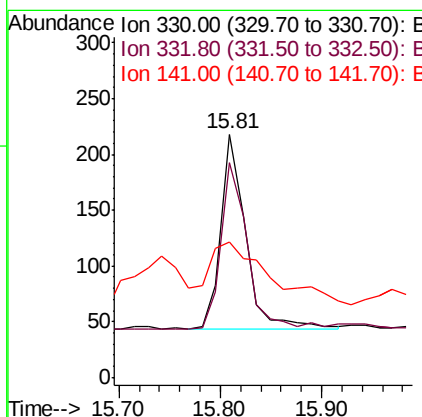
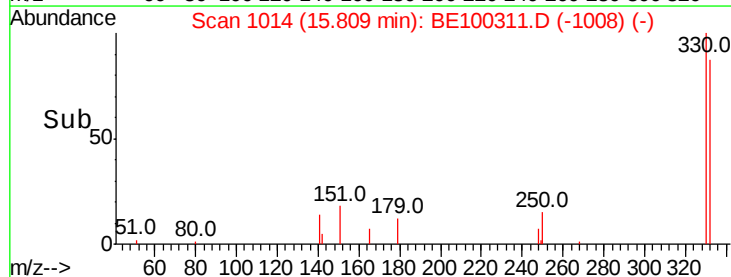
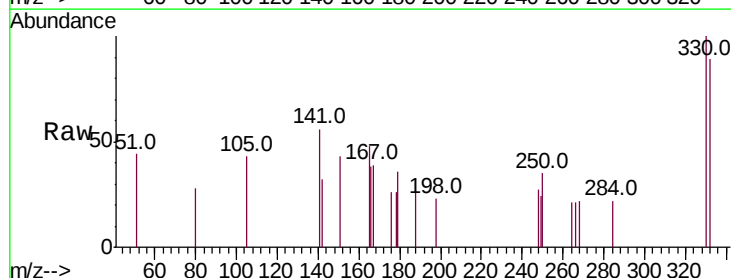
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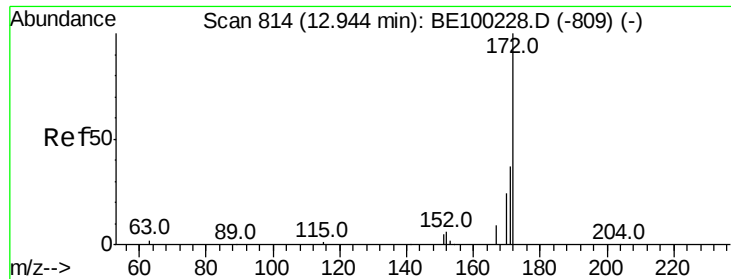
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#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.8	77.0	115.4
141	79.9	22.0	33.0#





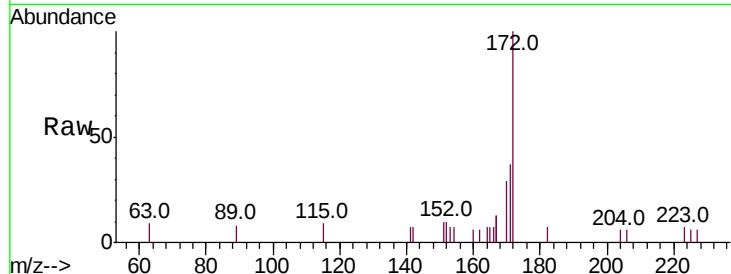
#15
2-Fluorobiphenyl
Concen: 0.145 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

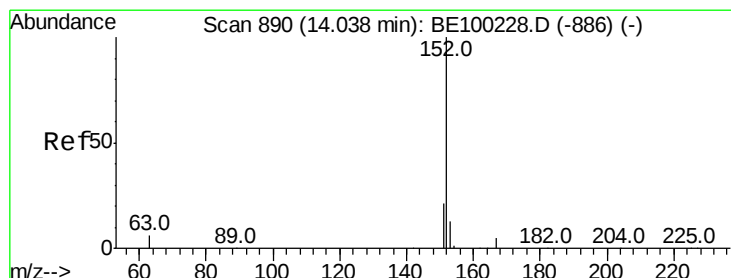
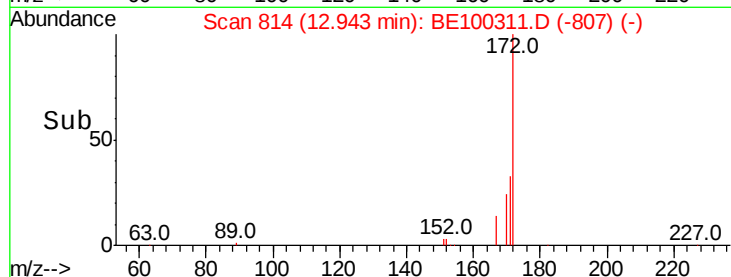
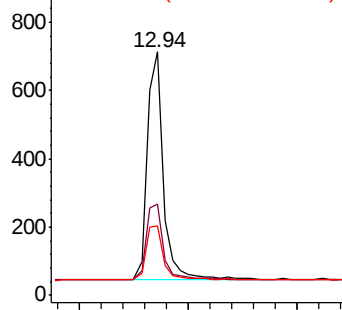
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.9	47.9
170	28.6	22.2	33.2

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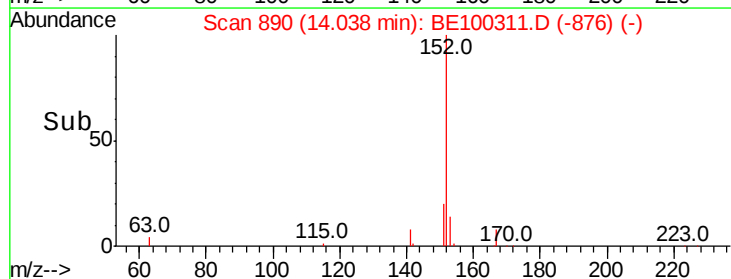
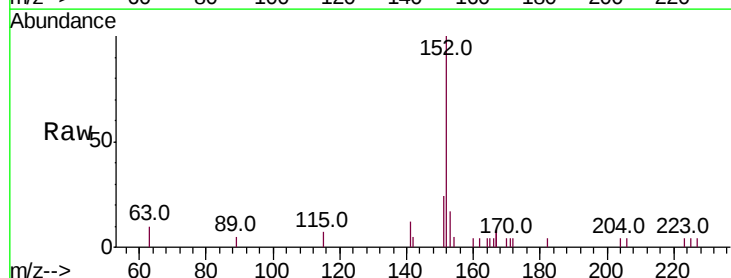
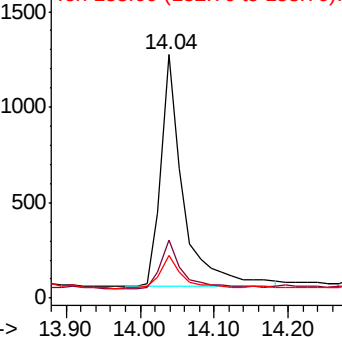
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

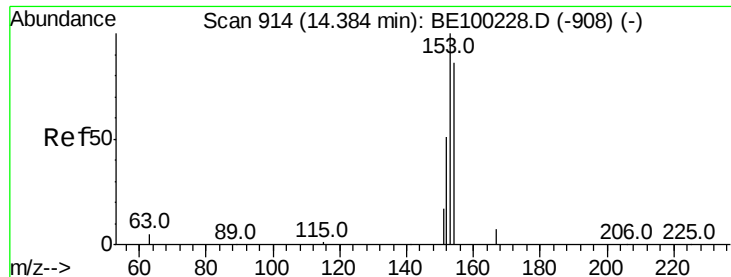


#16
Acenaphthylene
Concen: 0.214 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0
153	14.8	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





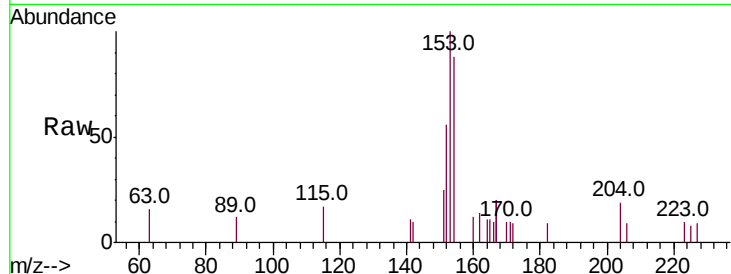
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

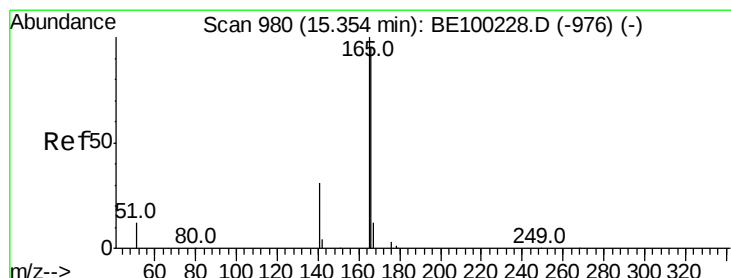
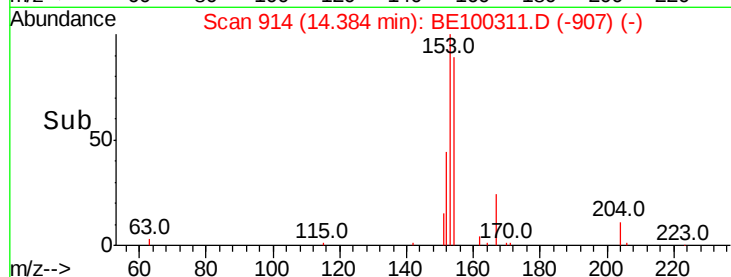
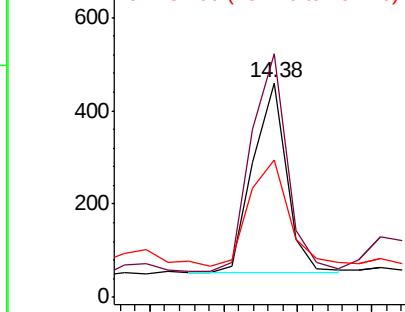
Tot Ion	Ratio	Lower	Upper
154	100		
153	121.9	93.4	140.2
152	67.1	49.4	74.2

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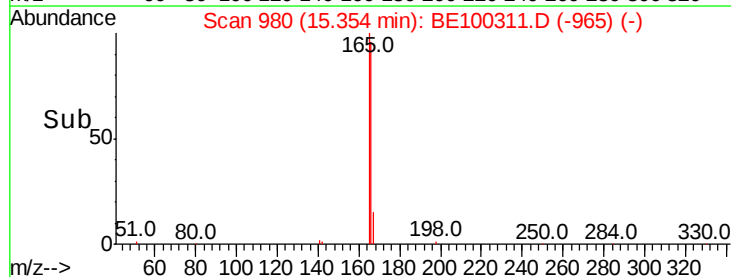
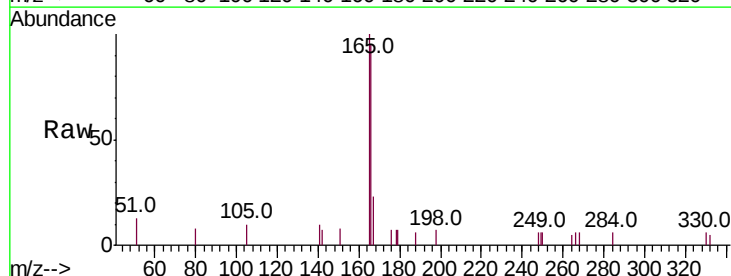
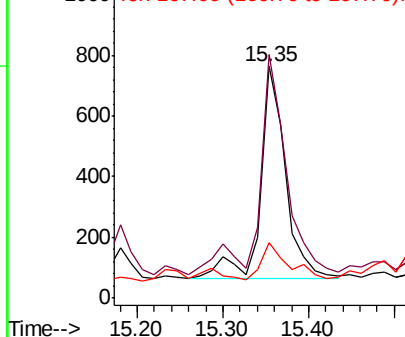
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

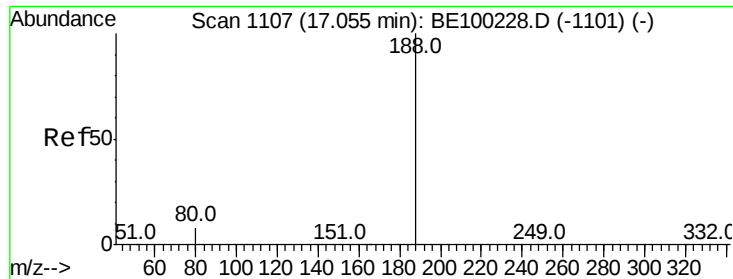


#18
Fluorene
Concen: 0.142 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.7	81.1	121.7
167	18.6	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





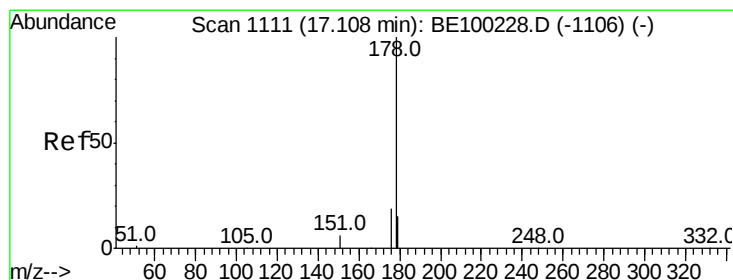
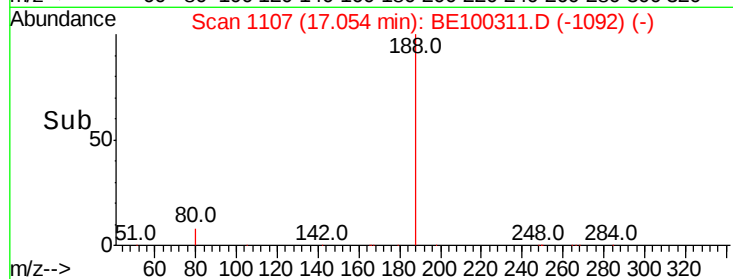
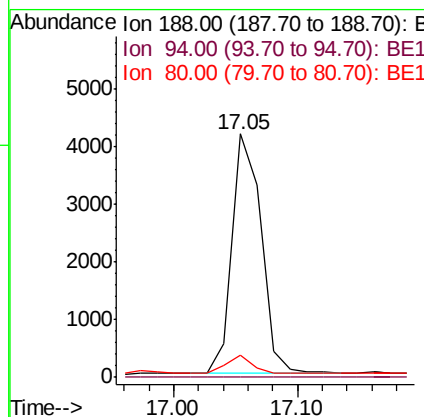
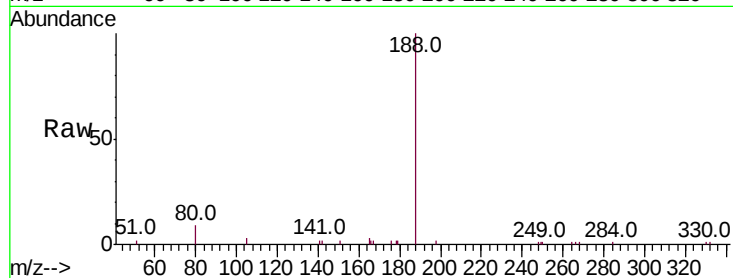
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6821		
94	0.0	0.0	0.0	0.0
80	9.2	7.6	11.4	

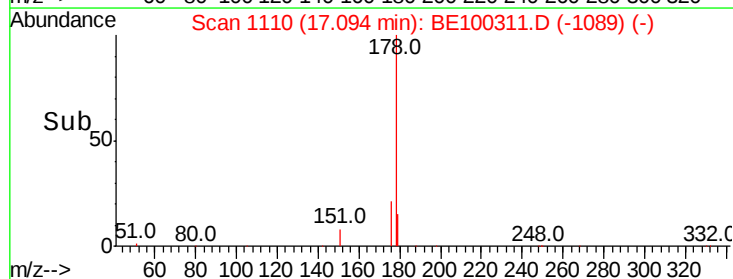
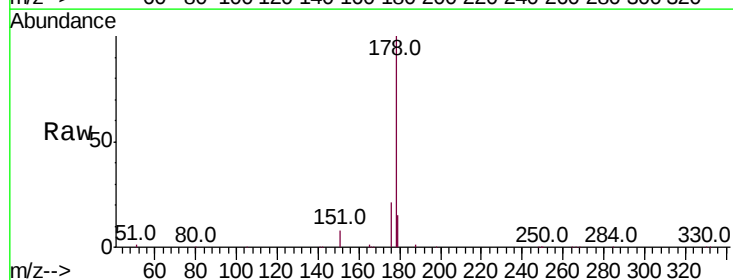
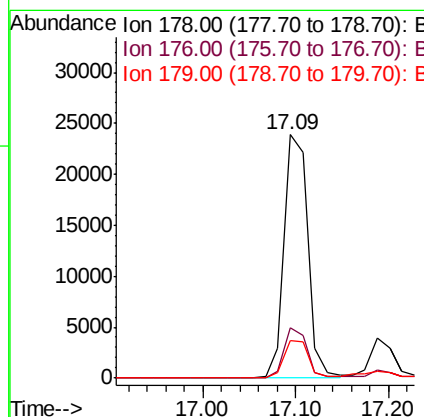
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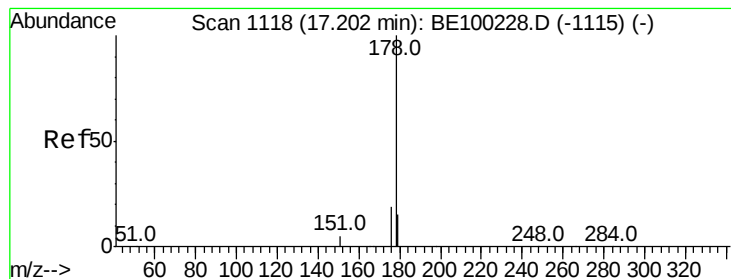
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#23
Phenanthrene
Concen: 2.550 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	42153		
176	19.8	15.9	23.9	
179	15.5	12.2	18.2	





#24

Anthracene

Concen: 0.444 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

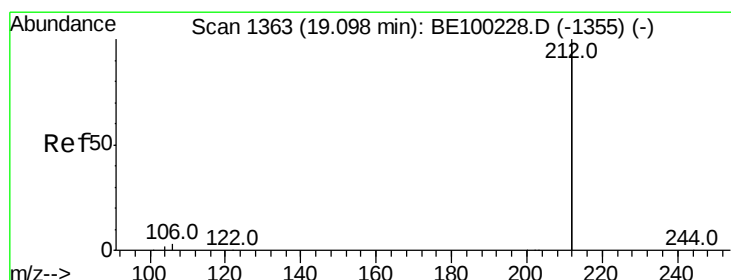
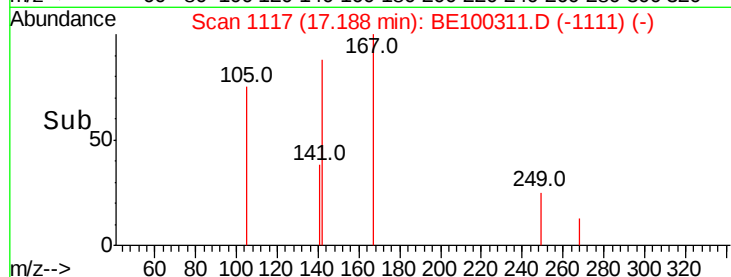
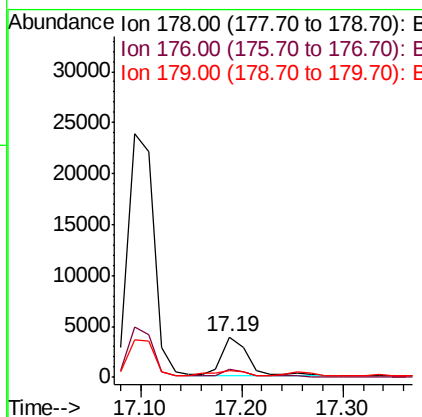
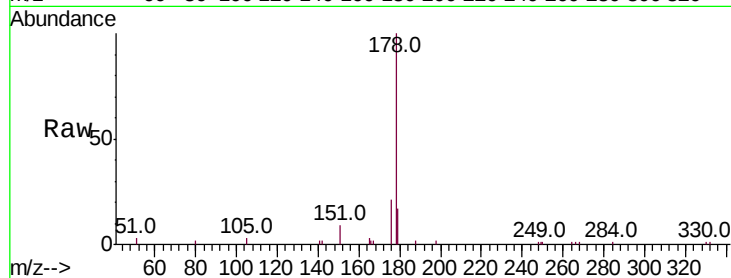
ClientSampleId :

EXT-008-SW123-061819-1DL

Tot Ion:178	Resp:	6613
Ion Ratio	Lower	Upper
178	100	
176	18.1	15.3 22.9
179	17.3	12.2 18.2

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#25

Fluoranthene-d10

Concen: 0.147 ng

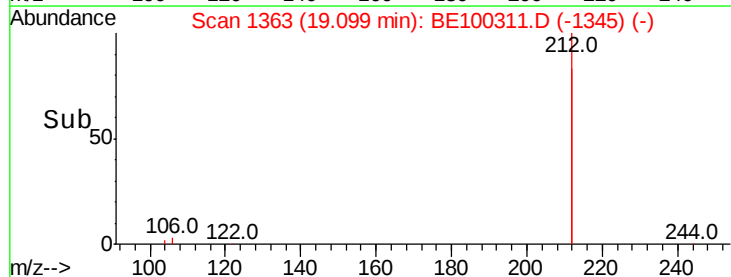
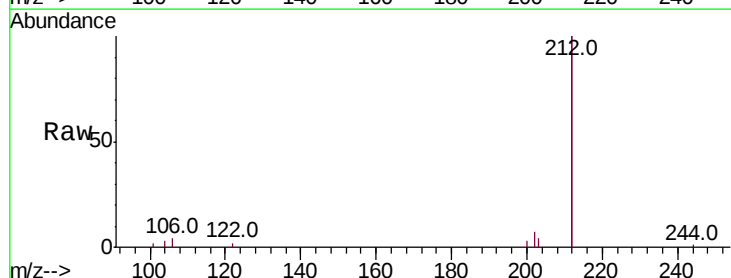
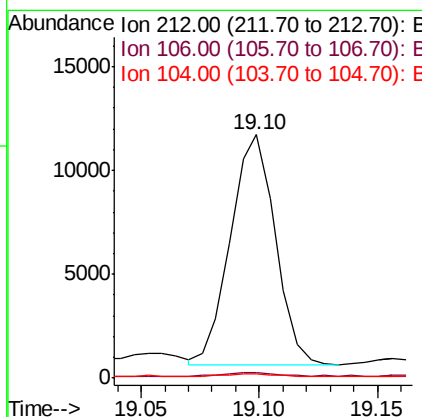
RT: 19.10 min Scan# 1363

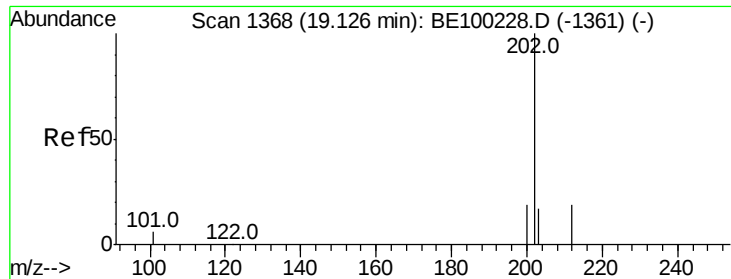
Delta R.T. 0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion:212	Resp:	14570
Ion Ratio	Lower	Upper
212	100	
106	1.8	1.3 1.9
104	1.0	0.8 1.2





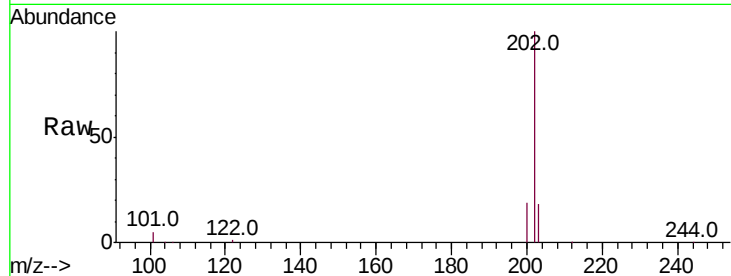
#26
 Fluoranthene
 Concen: 3.733 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.7	13.7	20.5

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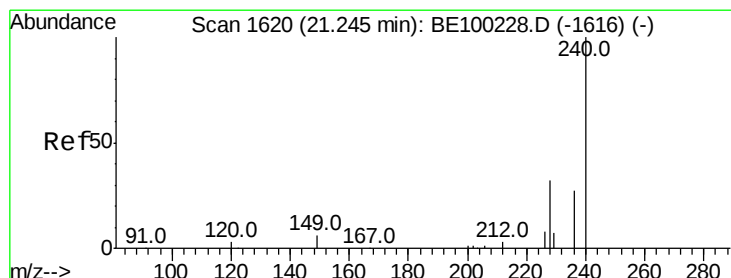
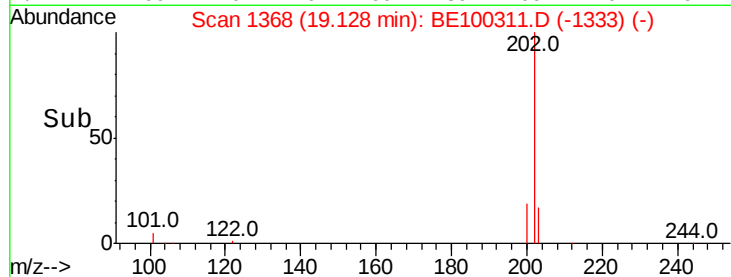
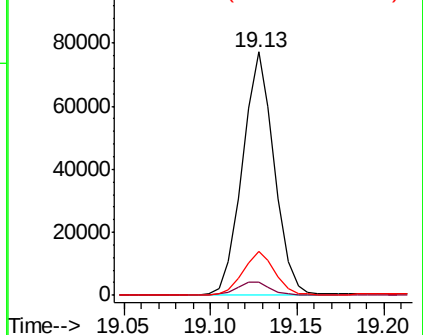


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

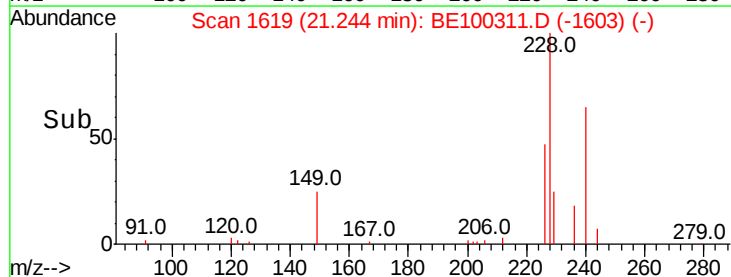
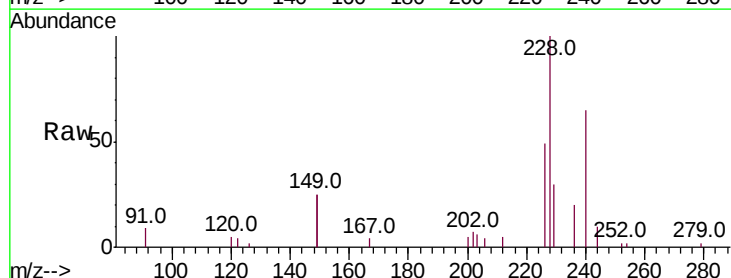
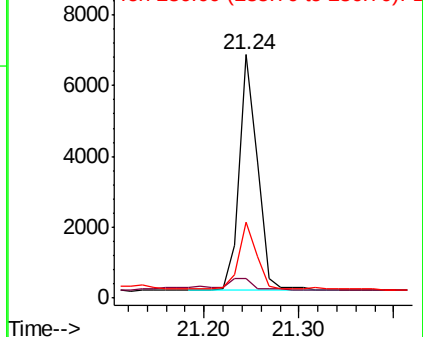
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.9	3.3	4.9#
236	31.0	22.6	34.0

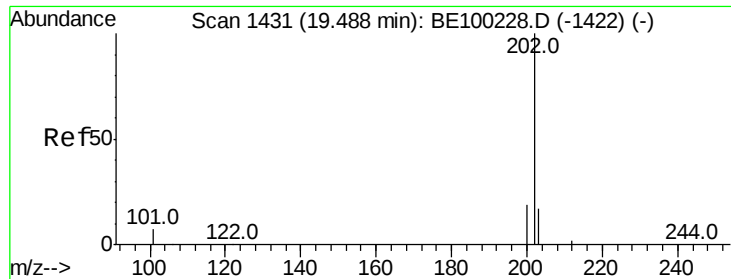
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





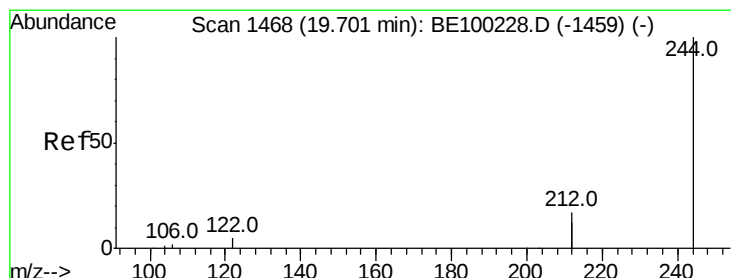
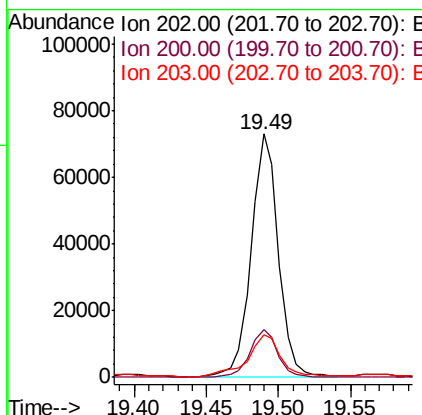
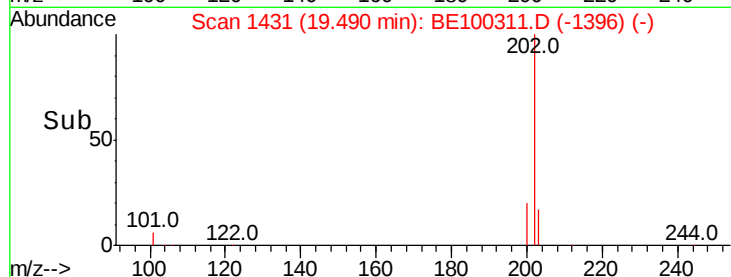
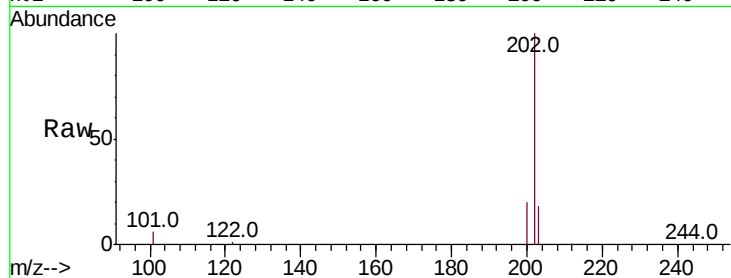
#28
Pvrene
Concen: 4.092 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.6	14.0	21.0

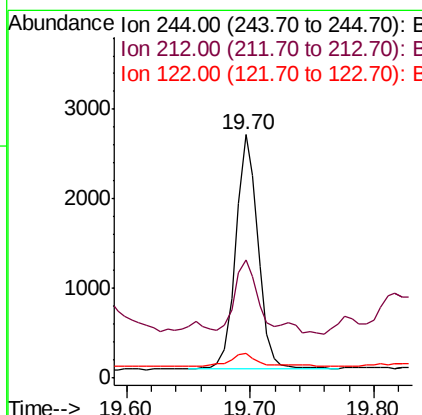
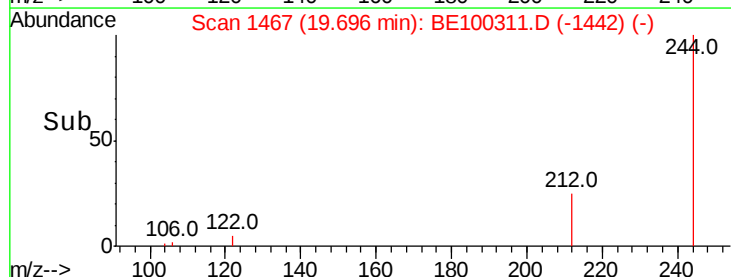
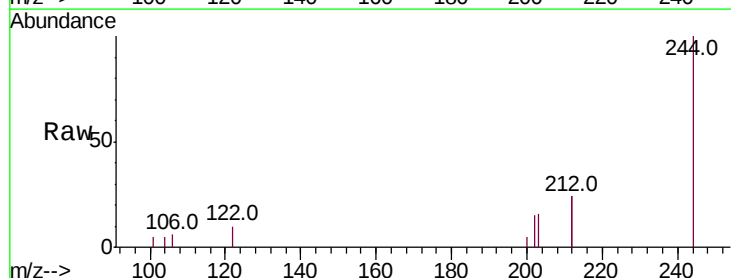
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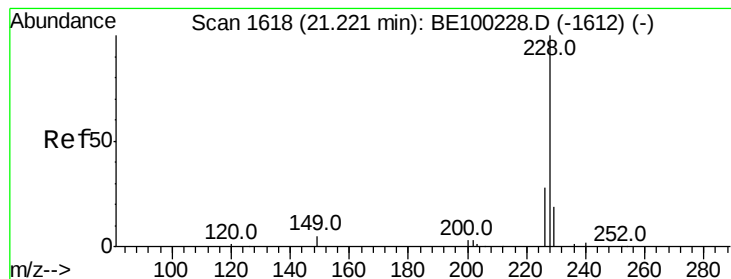
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#29
Terphenyl-d14
Concen: 0.180 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	48.5	27.3	40.9#
122	10.0	4.7	7.1#





#30

Benzo(a)anthracene

Concen: 2.041 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

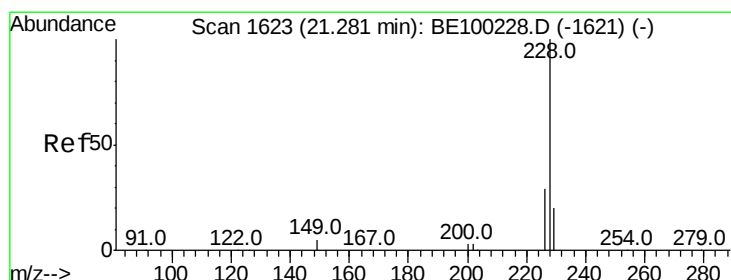
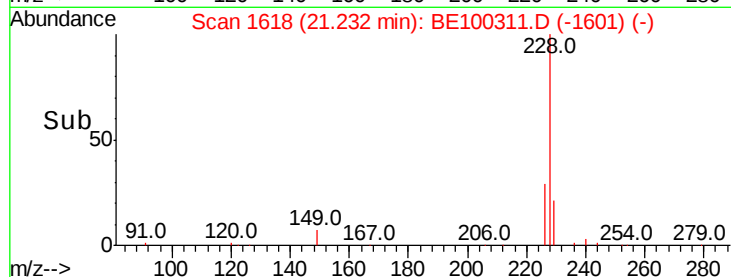
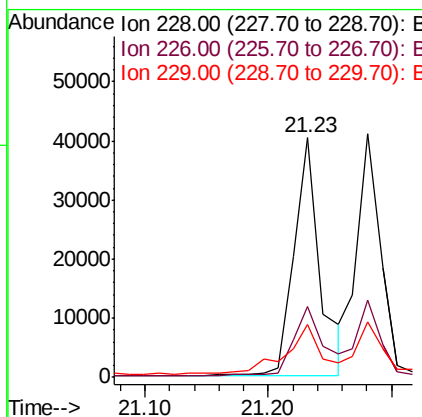
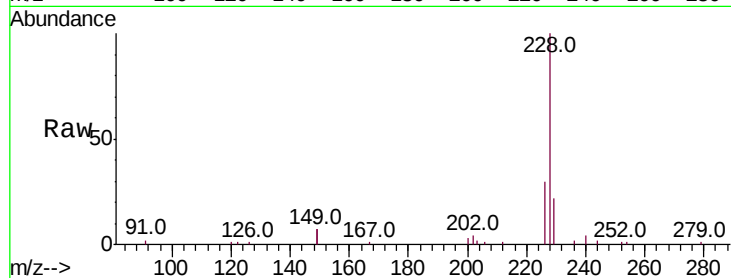
ClientSampleId :

EXT-008-SW123-061819-1DL

Tot Ion:	228	Resp:	59152
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	22.2	15.7	23.5

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#31

Chrysene

Concen: 1.855 ng

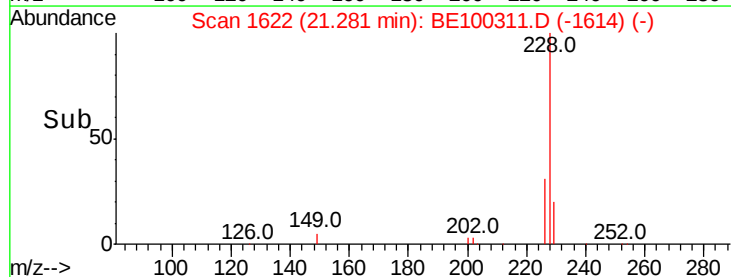
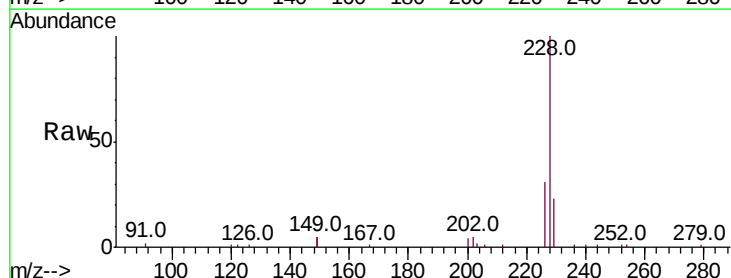
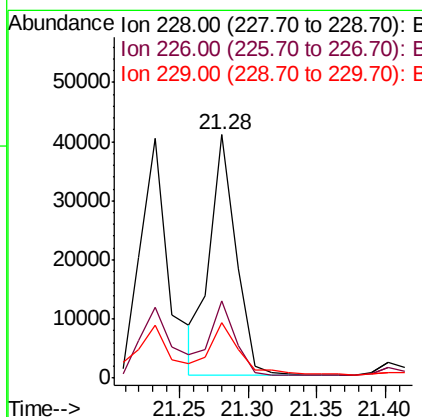
RT: 21.28 min Scan# 1622

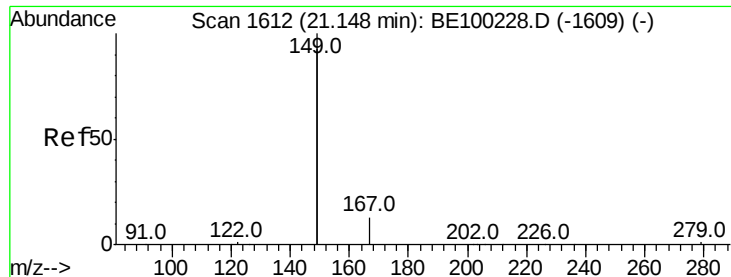
Delta R.T. -0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion:	228	Resp:	53977
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.9	35.9
229	22.8	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.890 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

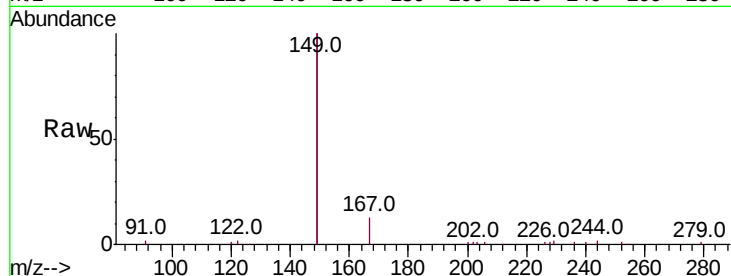
ClientSampleId :

EXT-008-SW123-061819-1DL

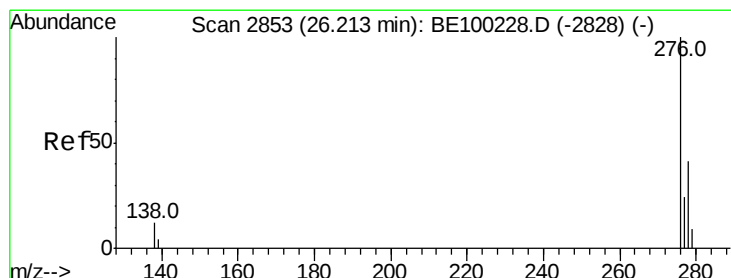
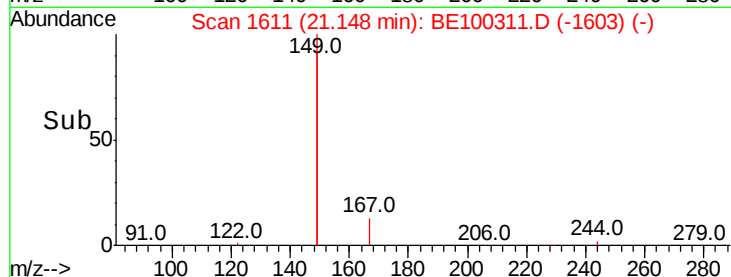
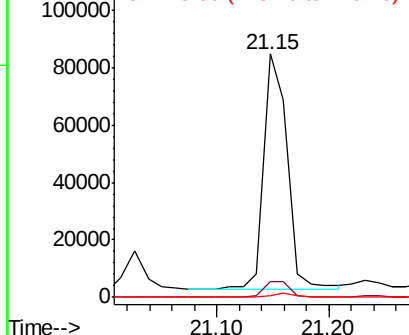
Tot Ion:	149	Resp:	120743
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.8	8.8
279	1.4	1.1	1.7

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.918 ng

RT: 26.23 min Scan# 2857

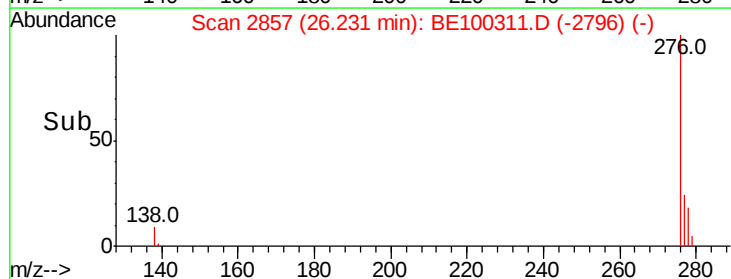
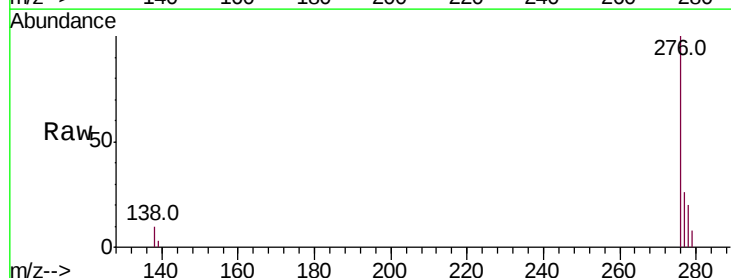
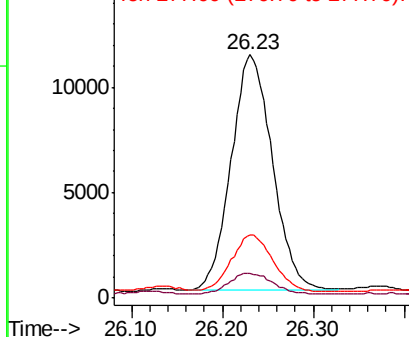
Delta R.T. 0.02 min

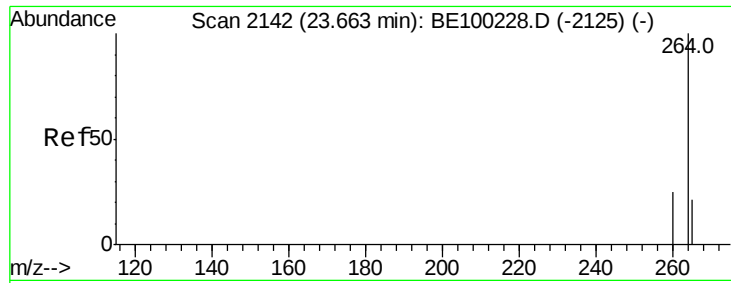
Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion:	276	Resp:	35331
Ion Ratio	Lower	Upper	
276	100		
138	9.2	9.4	14.0#
277	24.4	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





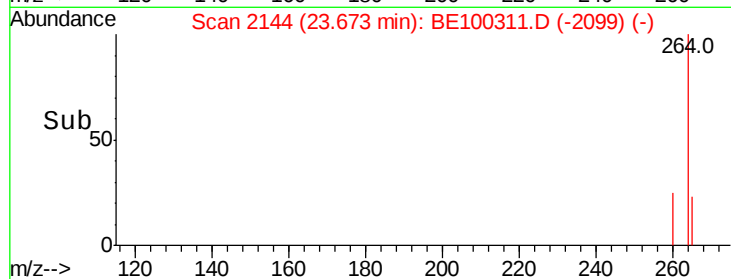
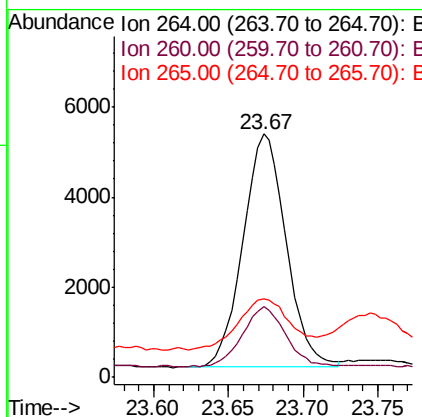
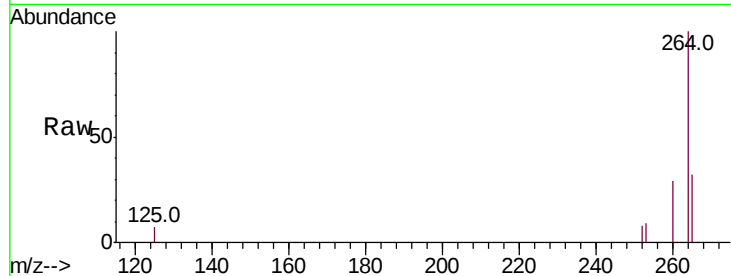
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.8	20.8	31.2
265	32.4	21.8	32.6

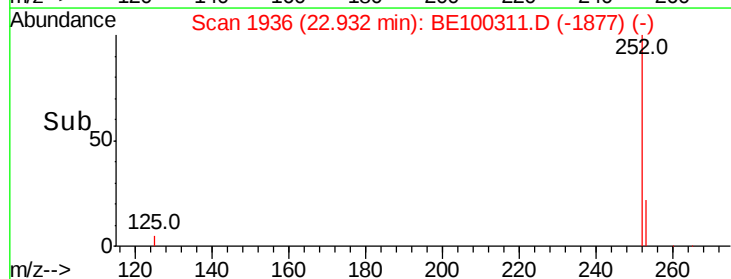
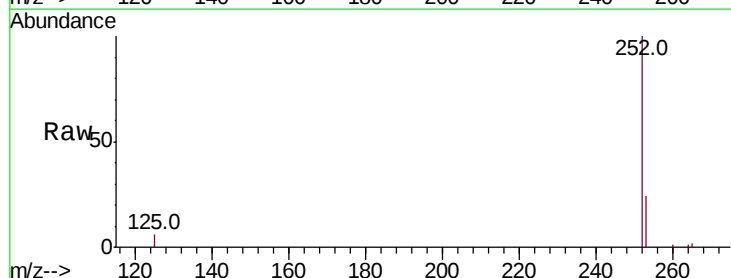
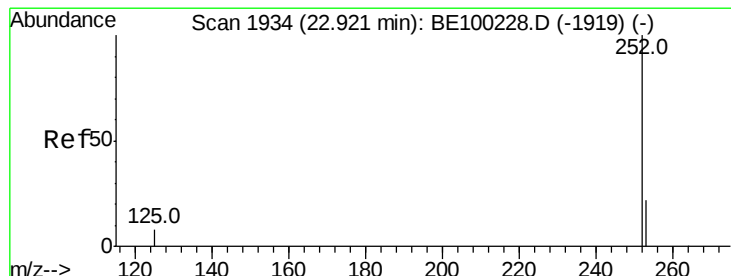
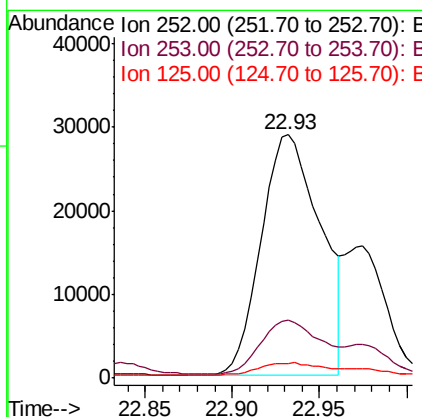
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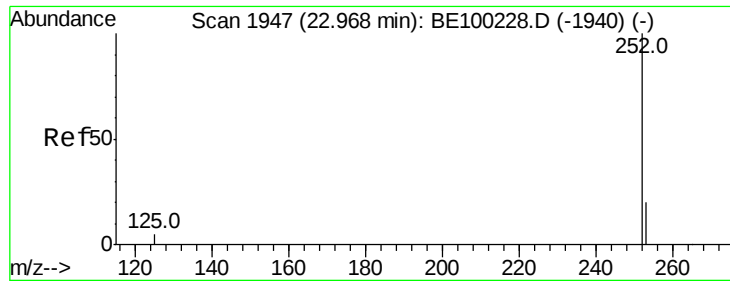
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#35
 Benzo(b)fluoranthene
 Concen: 2.407 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	6.2	7.4	11.0#





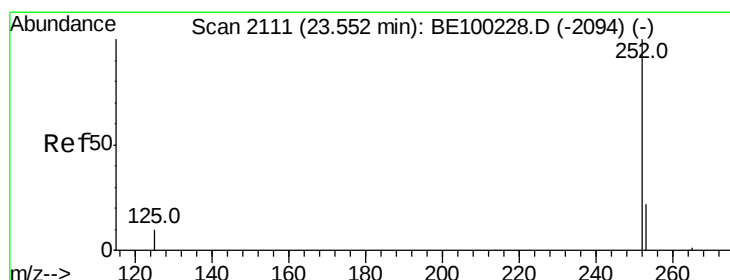
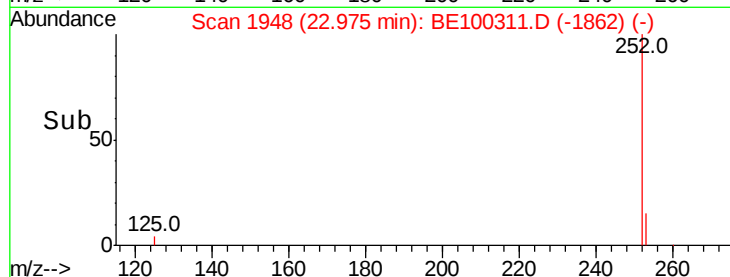
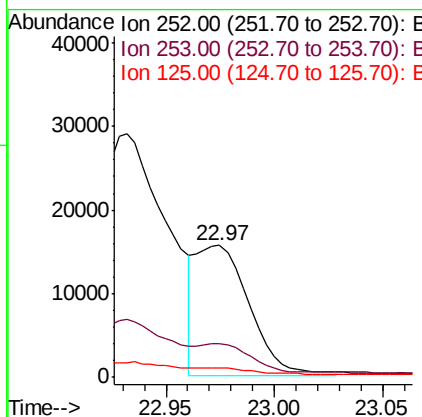
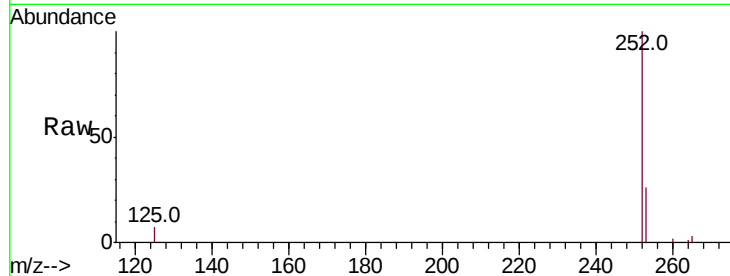
#36
Benzo(k)fluoranthene
Concen: 0.836 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	6.9	5.0	7.4

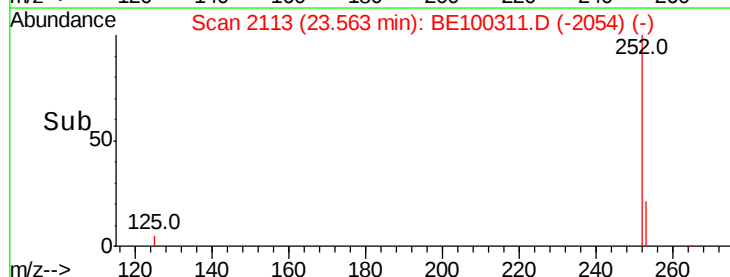
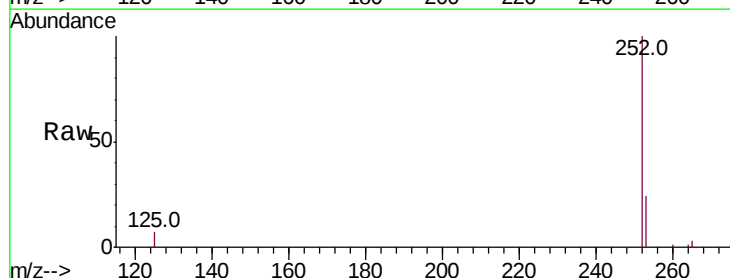
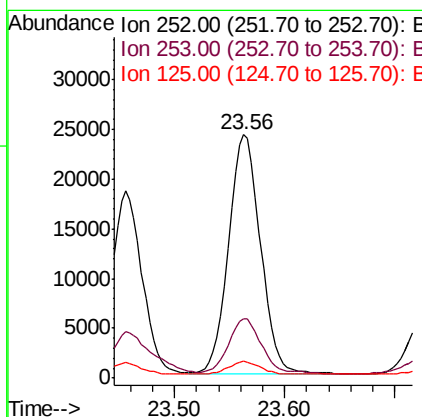
Manual Integrations
APPROVED

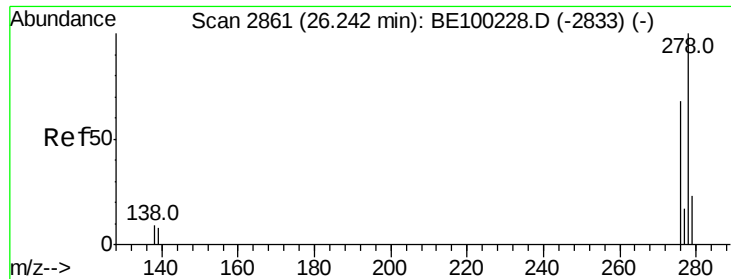
mohammad
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#37
Benzo(a)pyrene
Concen: 1.717 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.6	29.4
125	6.8	9.0	13.6





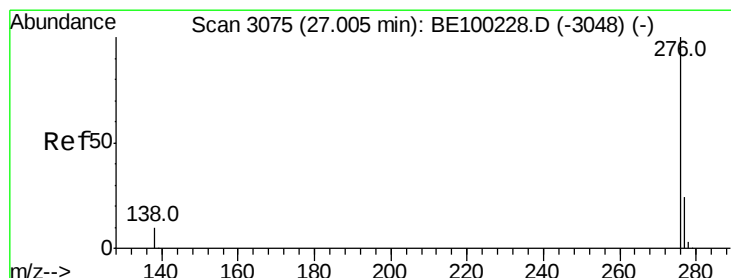
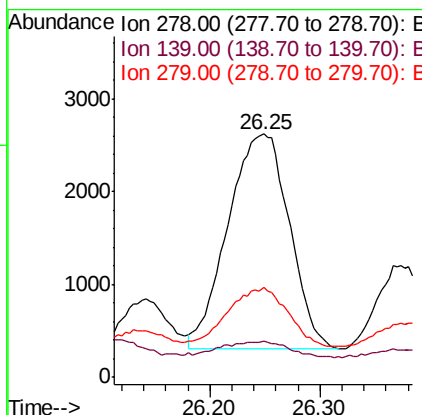
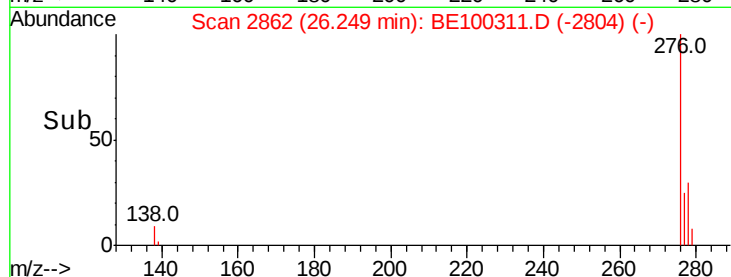
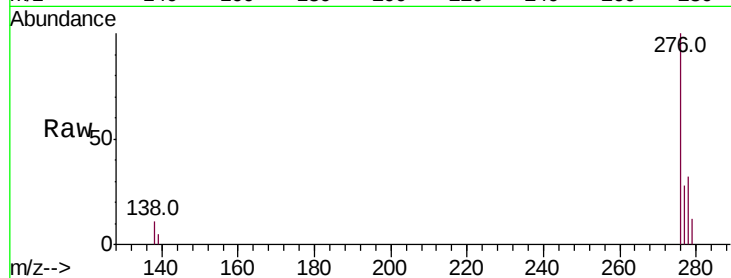
#38
Dibenzo(a,h)anthracene
Concen: 0.304 ng
RT: 26.25 min Scan# 2862
Delta R.T. 0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	8.2	12.2#
279	36.8	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:09 PM



#39
Benzo(g,h,i)perylene
Concen: 1.172 ng
RT: 27.03 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.2
138	11.2	9.0	13.6

