

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100285.D
 Acq On : 2 Jul 2019 4:10
 Operator : JU/SJ
 Sample : K3445-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW116-061719

Manual Integrations
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 7/3/2019 10:52:56 PM

Quant Time: Jul 02 07:02:38 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	1036	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3578	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	2644	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	7252	0.40	ng	0.01
27) Chrysene-d12	21.25	240	9507	0.40	ng	0.00
34) Perylene-d12	23.68	264	11000	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	850	0.32	ng	0.00
5) Phenol-d6	6.84	99	1173	0.34	ng	0.00
8) Nitrobenzene-d5	8.81	82	1261	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2397	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	608	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	3161	0.31	ng	0.00
25) Fluoranthene-d10	19.10	212	34751	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	6034	0.31	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	4777	0.121	ng	98
12) 2-Methylnaphthalene	12.12	142	892	0.129	ng	97
16) Acenaphthylene	14.04	152	2891	0.228	ng	99
17) Acenaphthene	14.38	154	882	0.123	ng	93
18) Fluorene	15.35	166	1347	0.127	ng	# 90
23) Phenanthrene	17.11	178	35027	1.993	ng	99
24) Anthracene	17.20	178	5344	0.338	ng	97
26) Fluoranthene	19.13	202	90938	3.248	ng	99
28) Pyrene	19.49	202	93671	3.722	ng	# 96
30) Benzo(a)anthracene	21.23	228	71647	2.292	ng	96
31) Chrysene	21.28	228	66336	2.113	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	117525	2.602	ng	100
33) Indeno(1,2,3-cd)pyrene	26.24	276	47098	1.134	ng	# 96
35) Benzo(b)fluoranthene	22.94	252	91213	3.058	ng	# 98
36) Benzo(k)fluoranthene	22.98	252	33758m	1.014	ng	
37) Benzo(a)pyrene	23.57	252	67260	2.250	ng	# 97
38) Dibenzo(a,h)anthracene	26.25	278	11314	0.362	ng	# 82
39) Benzo(a,h,i)perylene	27.03	276	47247	1.473	ng	99

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

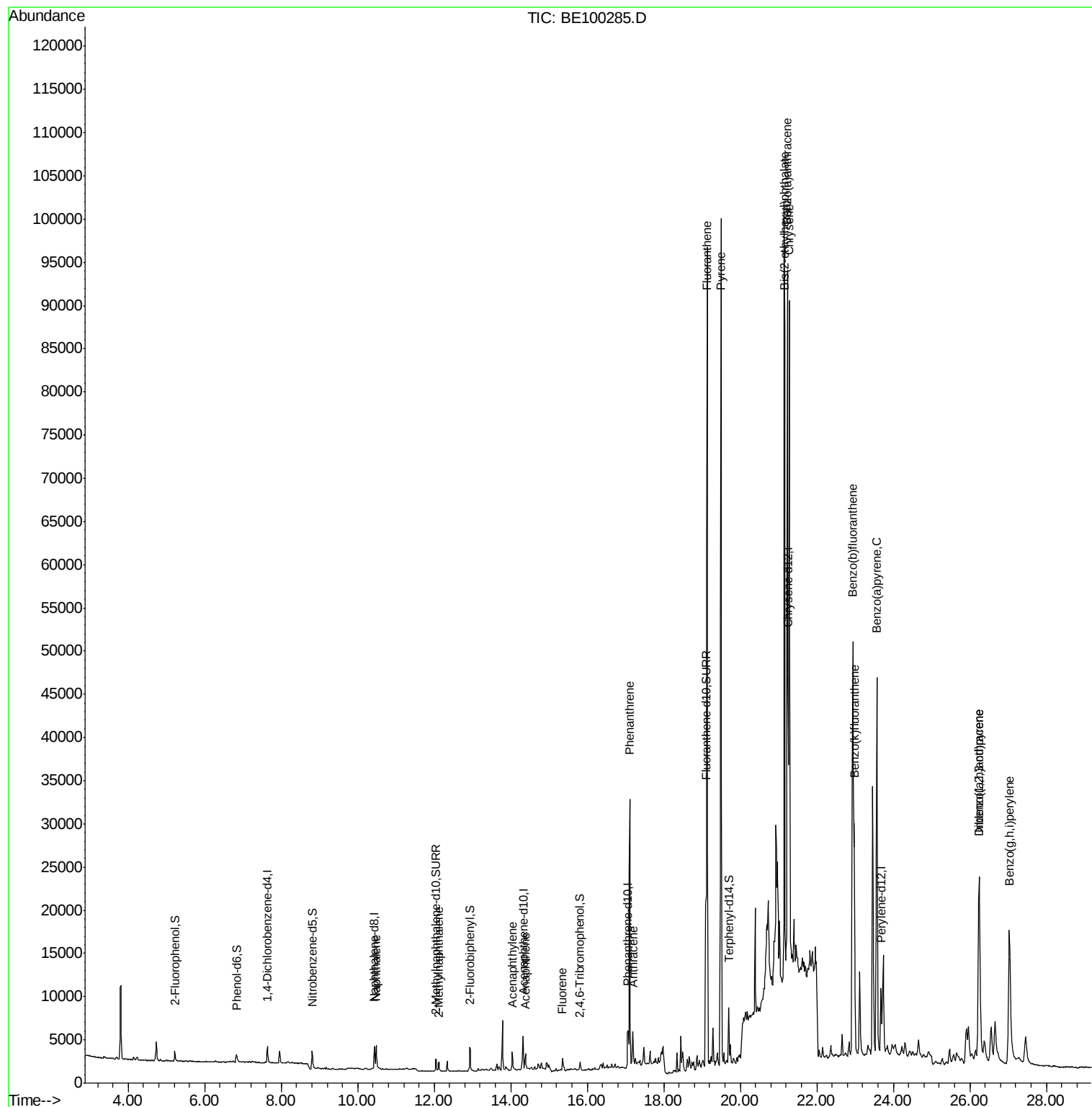
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100285.D
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Sample : K3445-01
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ALS Vial : 26 Sample Multiplier: 1

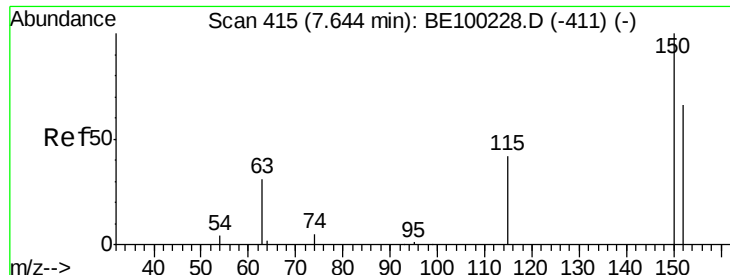
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

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Quant Time: Jul 02 07:02:38 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





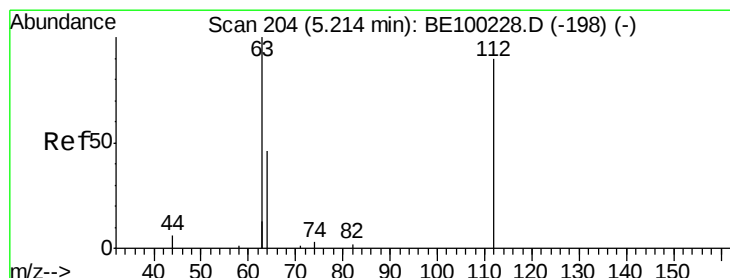
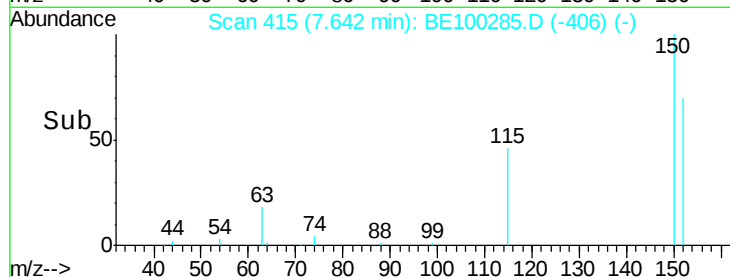
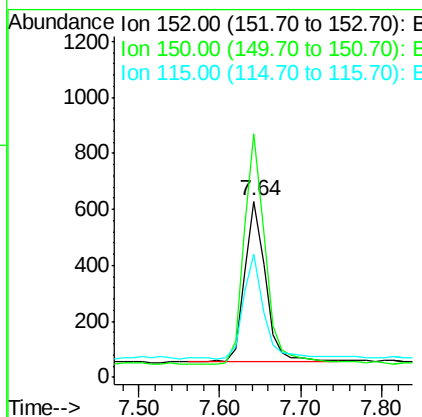
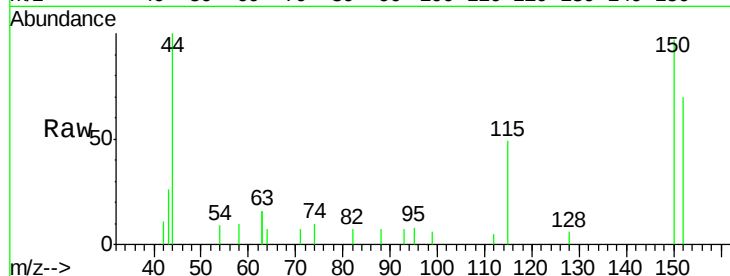
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.64 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: BE100285.D
 Acq: 2 Jul 2019 4:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.3	114.5	171.7
115	70.3	57.1	85.7

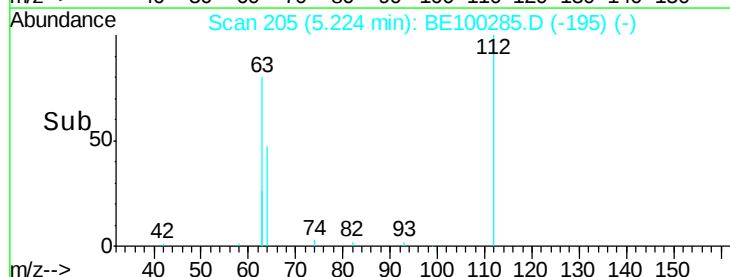
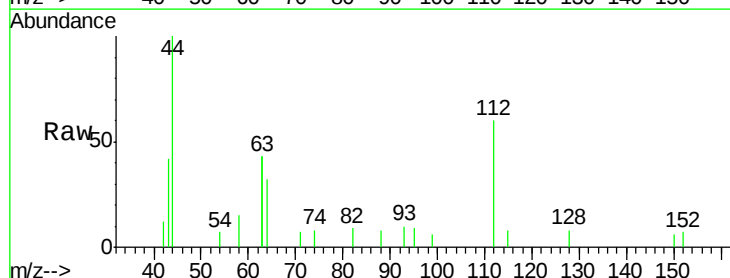
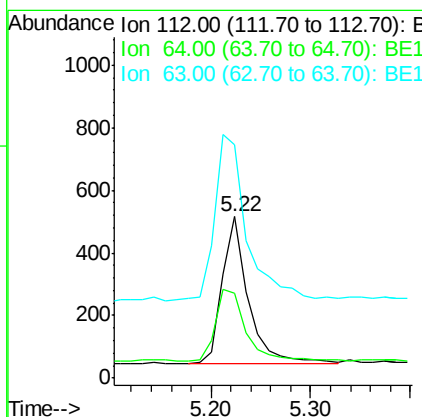
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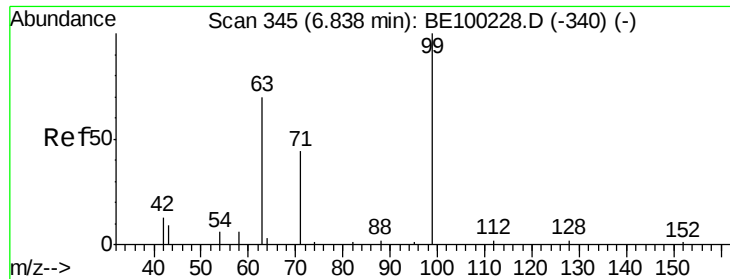
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#4
 2-Fluorophenol
 Concen: 0.322 ng
 RT: 5.22 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: BE100285.D
 Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	39.4	59.0#
63	141.6	104.5	156.7





#5

Phenol-d6

Concen: 0.337 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Instrument :

BNA_E

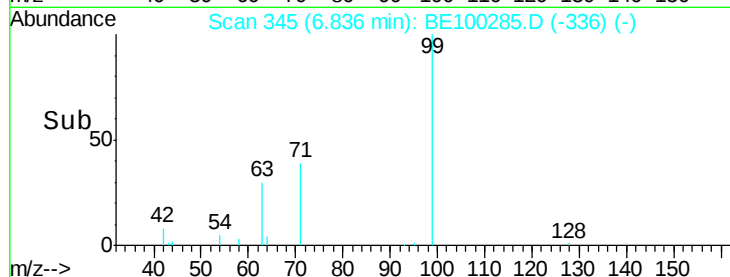
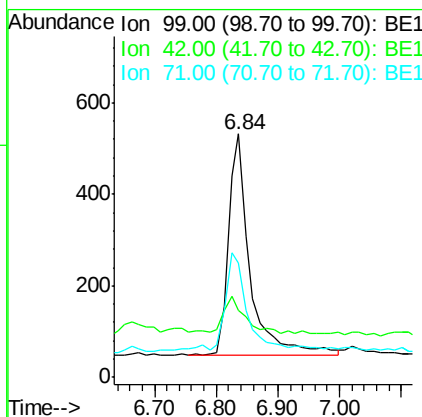
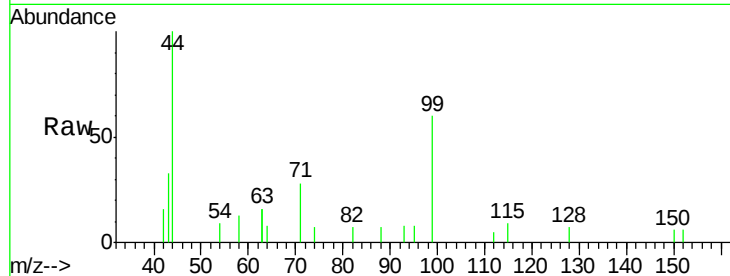
ClientSampleId :

EXT-008-SW116-061719

Tot Ion:	99	Resp:	1173
Ion	Ratio	Lower	Upper
99	100		
42	16.9	11.2	16.8#
71	40.5	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

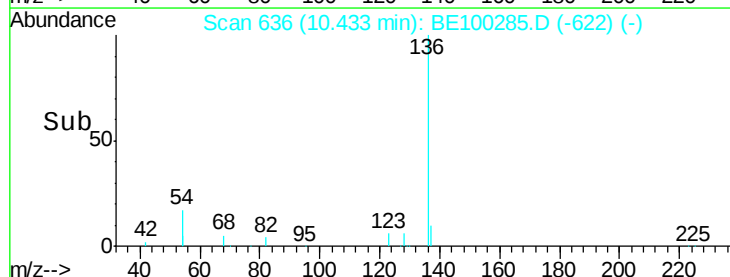
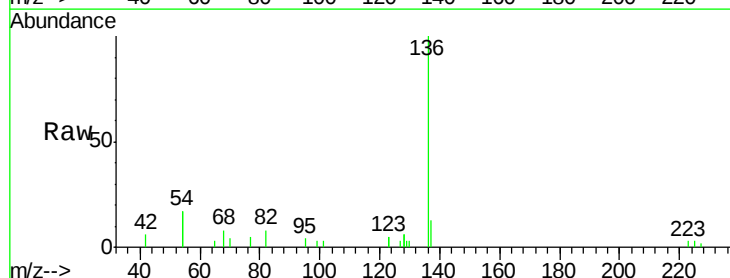
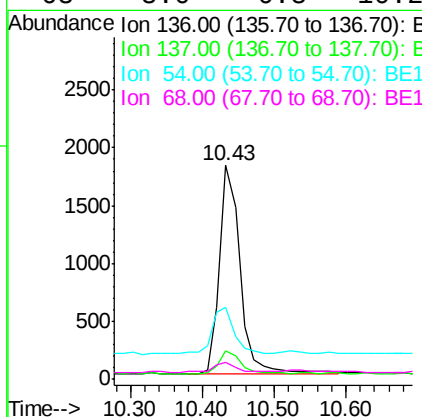
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Tgt Ion:	136	Resp:	3578
Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.8	17.8
54	33.4	27.7	41.5
68	8.0	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.355 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Instrument :

BNA_E

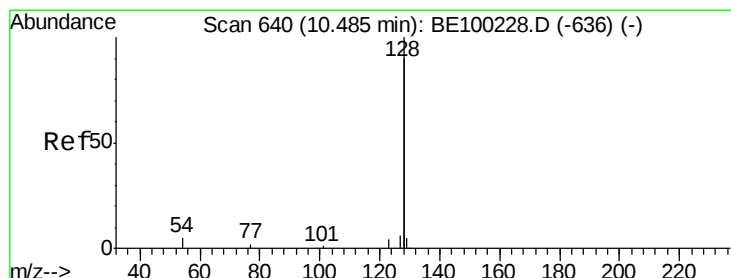
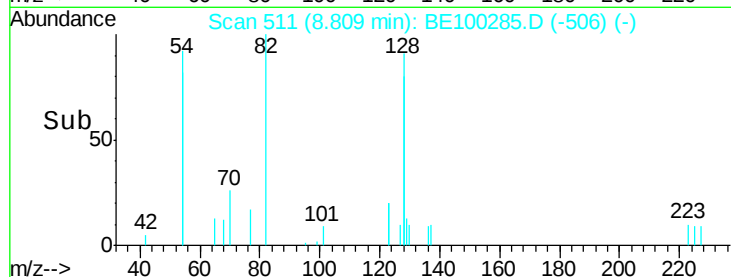
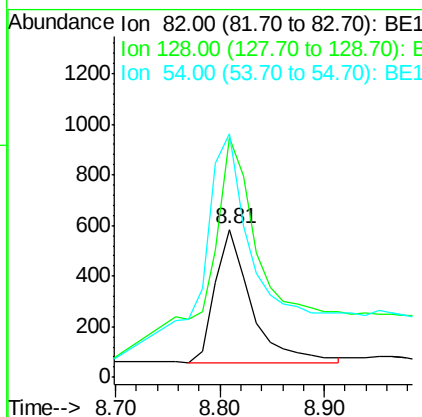
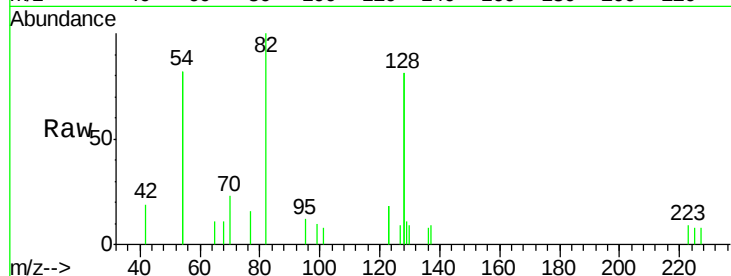
ClientSampleId :

EXT-008-SW116-061719

Tot Ion:	82	Resp:	1261
Ion Ratio	Lower	Upper	
82	100		
128	162.0	140.9	211.3
54	164.7	146.2	219.2

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#9

Naphthalene

Concen: 0.121 ng

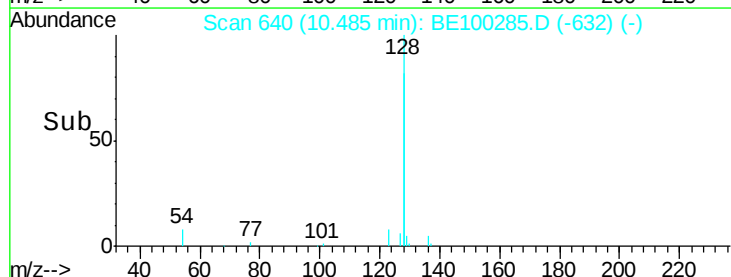
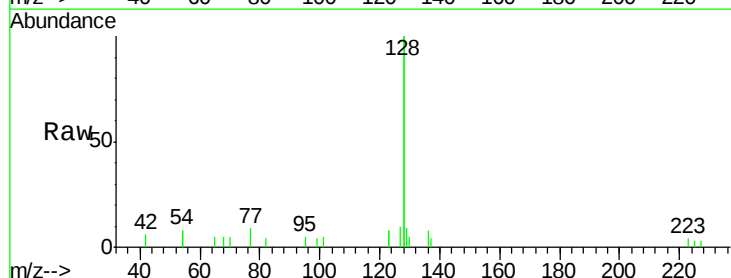
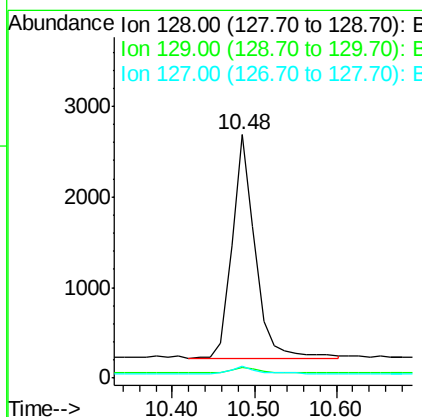
RT: 10.48 min Scan# 640

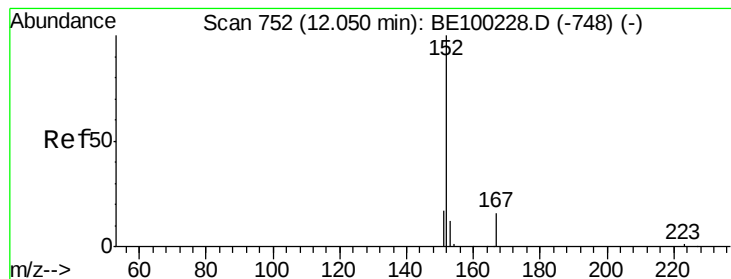
Delta R.T. 0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Tgt Ion:	128	Resp:	4777
Ion Ratio	Lower	Upper	
128	100		
129	4.5	3.0	4.6
127	4.9	3.5	5.3





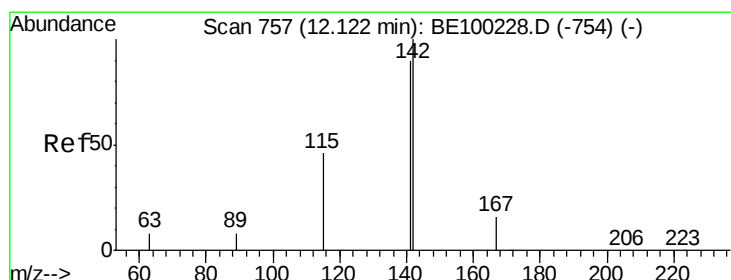
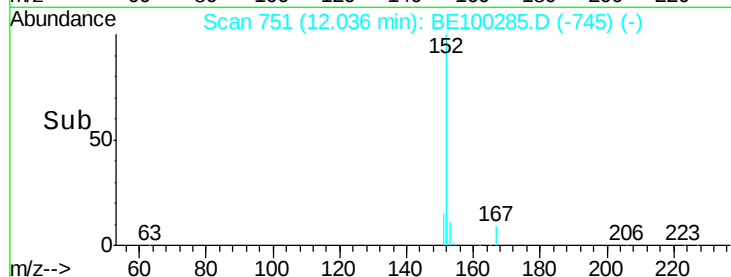
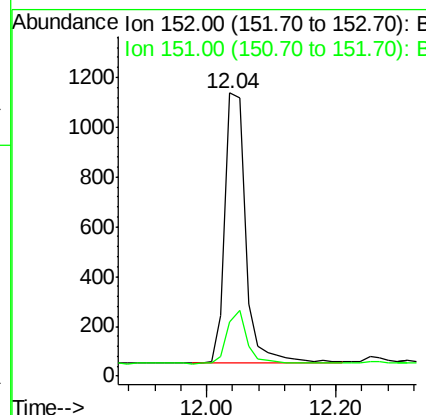
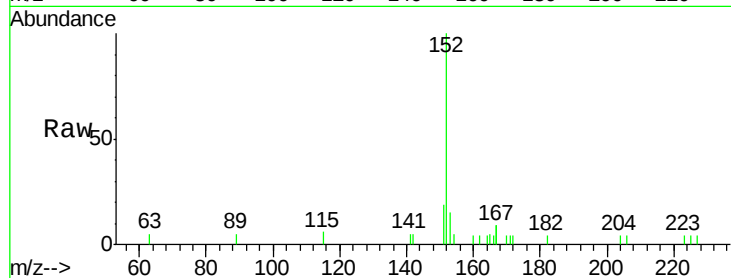
#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion:152 Resp: 2397
Ion Ratio Lower Upper
152 100
151 19.6 15.1 22.7

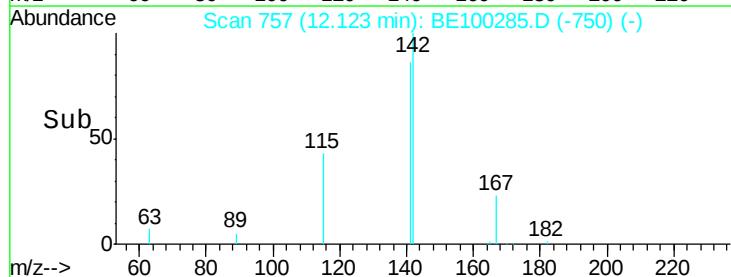
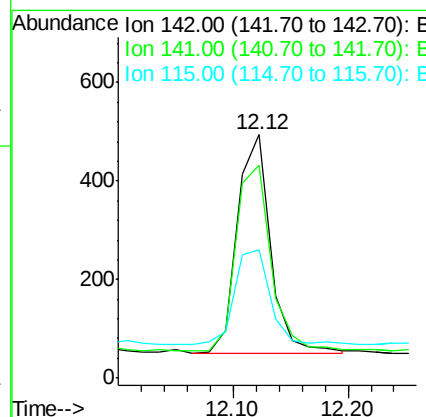
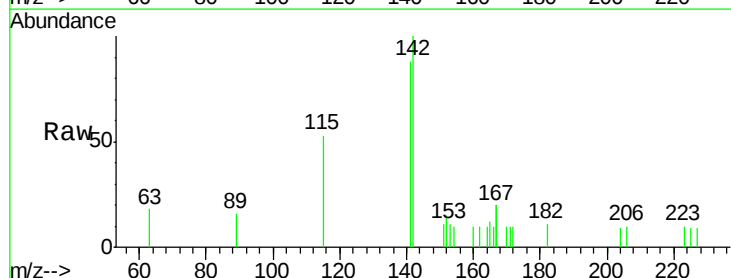
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#12
2-Methylnaphthalene
Concen: 0.129 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion:142 Resp: 892
Ion Ratio Lower Upper
142 100
141 87.7 72.4 108.6
115 52.8 40.4 60.6





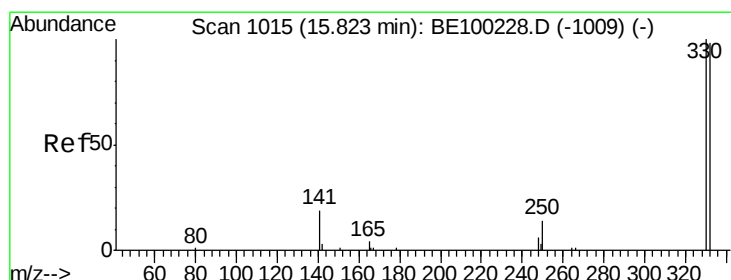
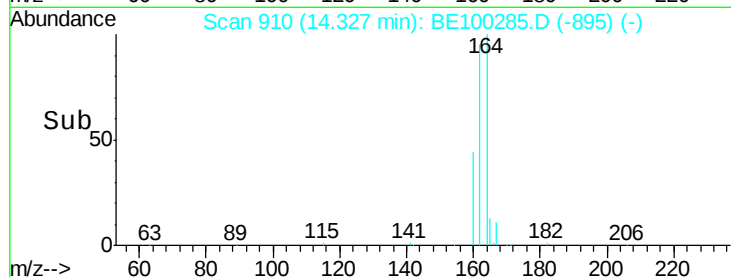
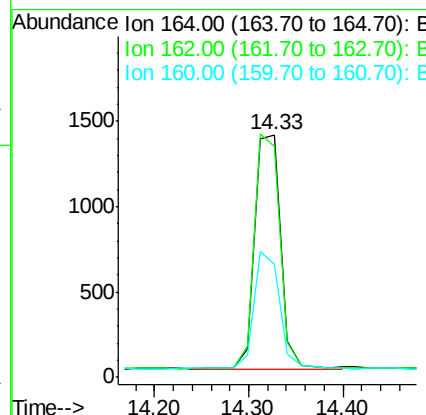
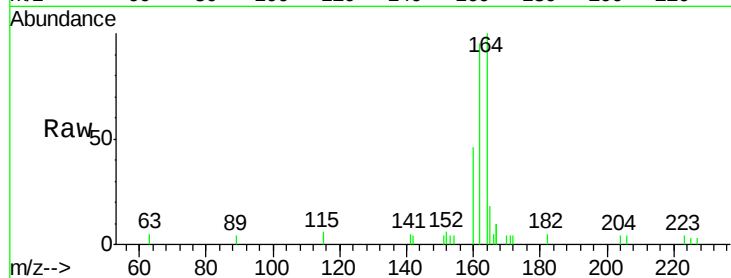
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.2	83.4	125.0
160	46.3	45.0	67.6

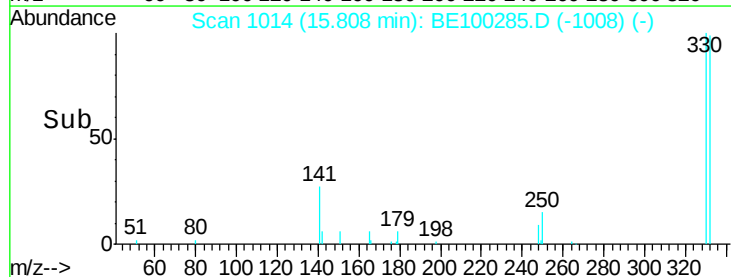
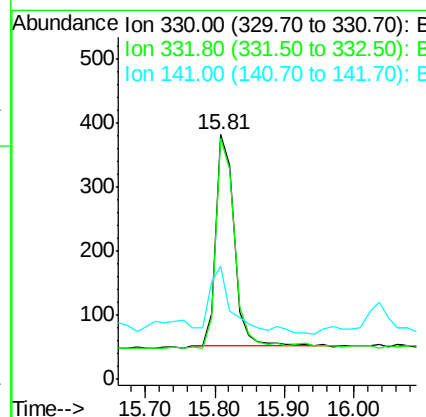
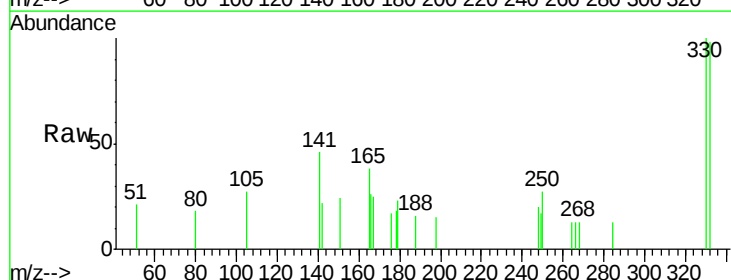
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#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.4
141	41.1	22.0	33.0#





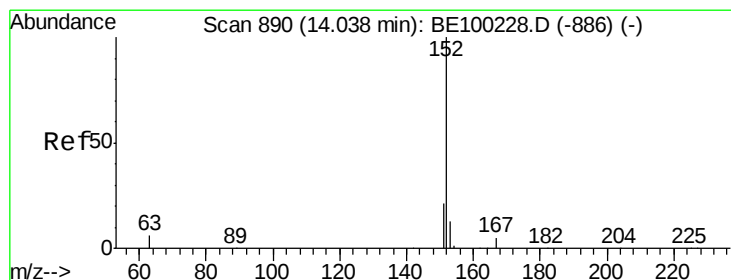
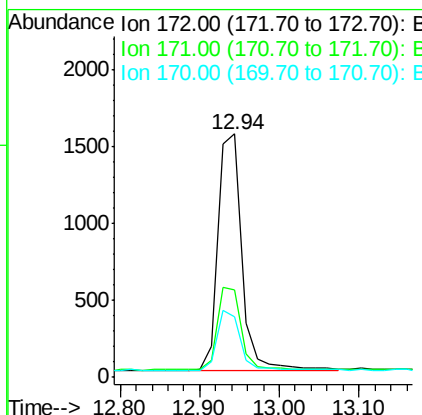
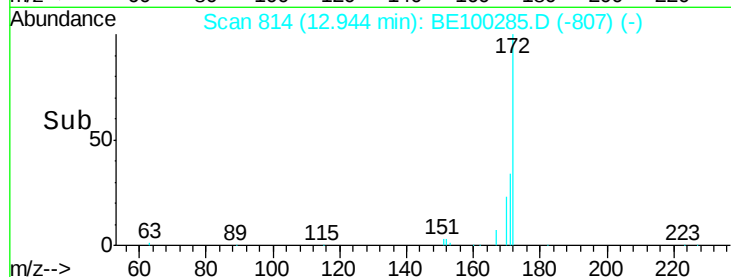
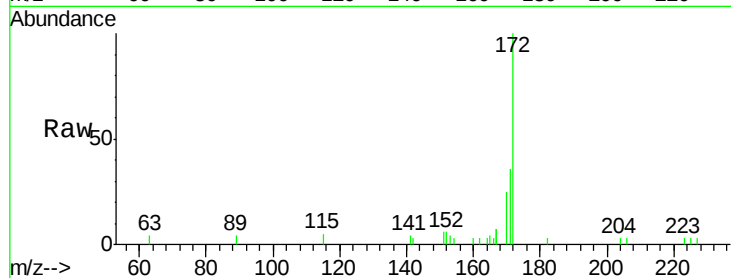
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	31.9	47.9
170	25.0	22.2	33.2

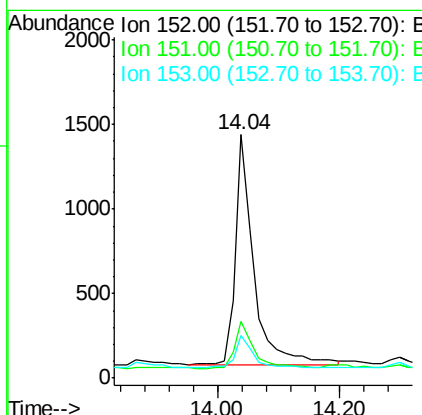
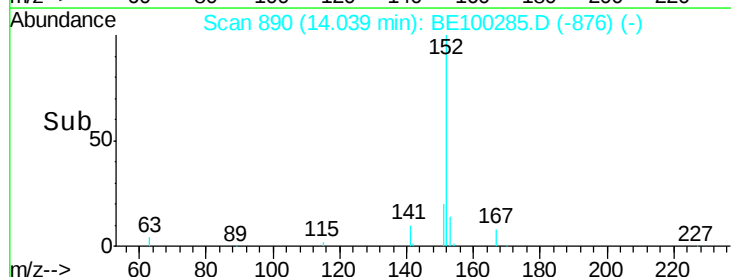
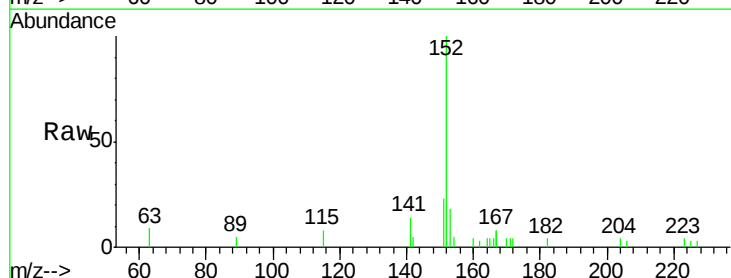
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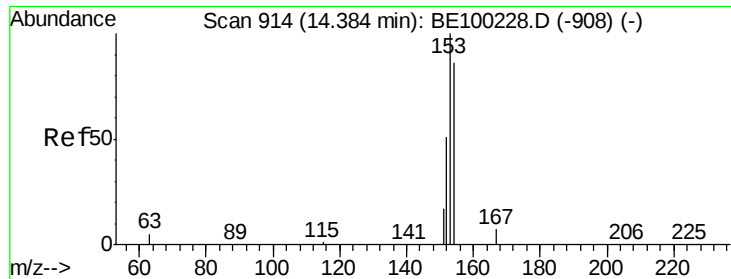
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#16
Acenaphthylene
Concen: 0.228 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.6	25.0
153	13.7	10.5	15.7





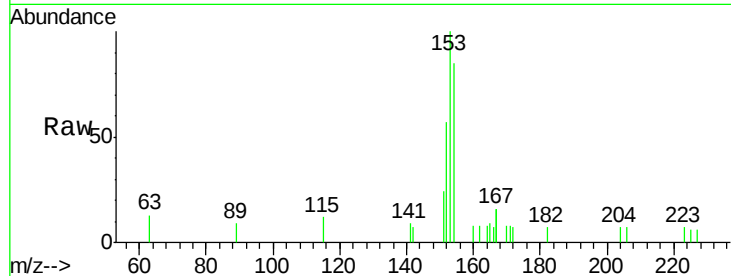
#17
Acenaphthene
Concen: 0.123 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

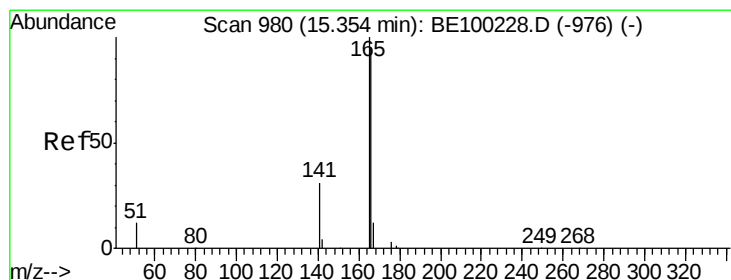
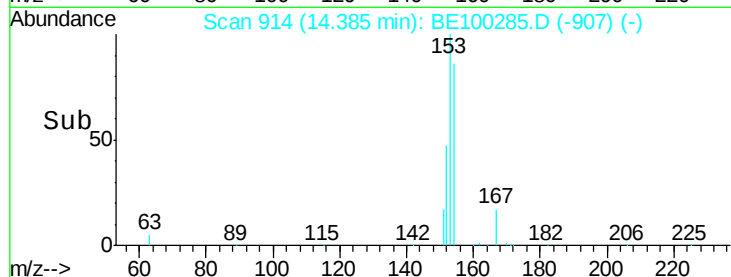
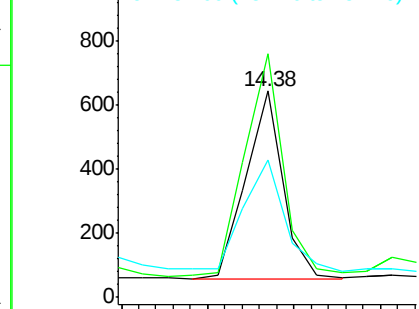
Tot Ion	Ratio	Lower	Upper
154	100		
153	122.7	93.4	140.2
152	70.5	49.4	74.2

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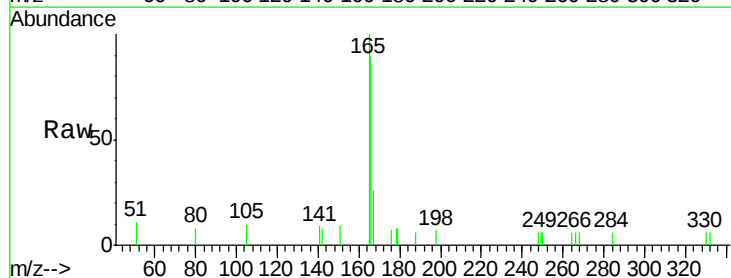


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

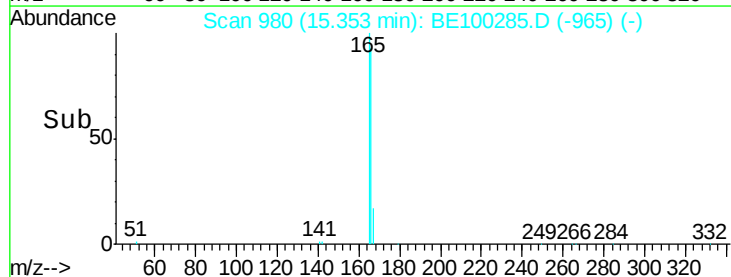
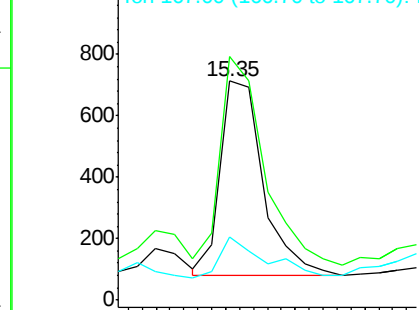


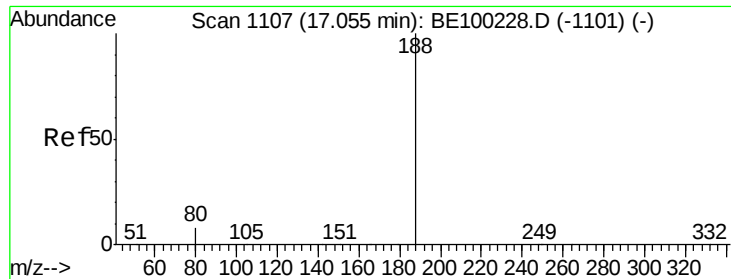
#18
Fluorene
Concen: 0.127 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.1	81.1	121.7
167	22.9	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





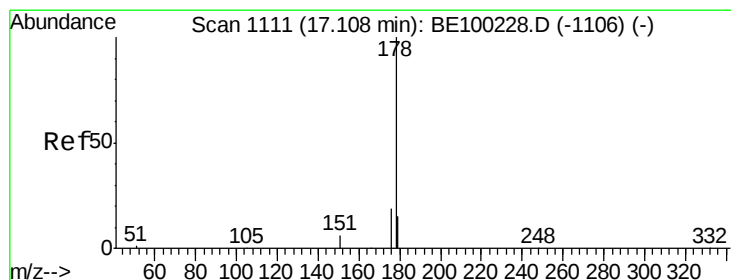
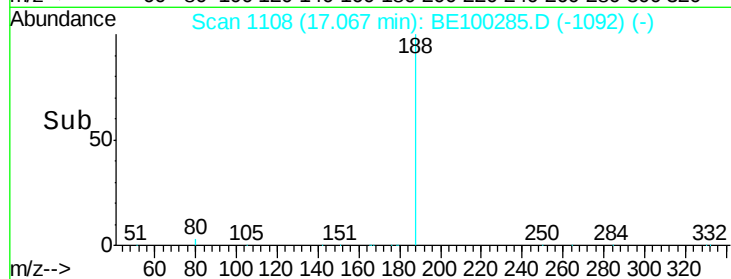
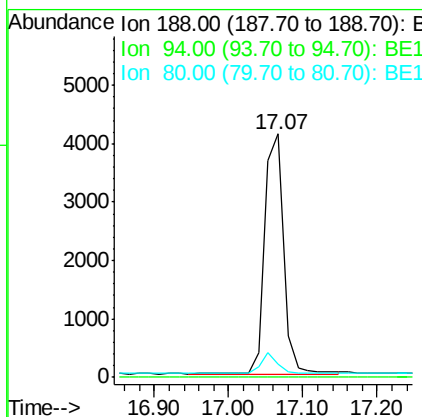
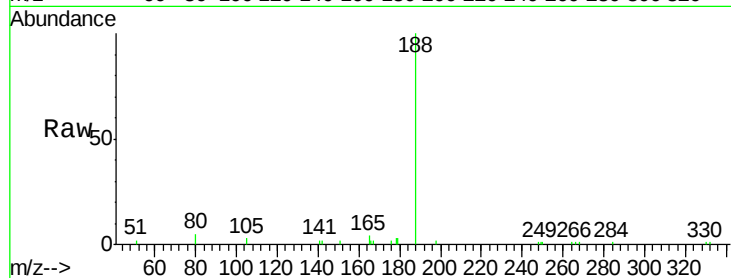
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	5.2	7.6	11.4#

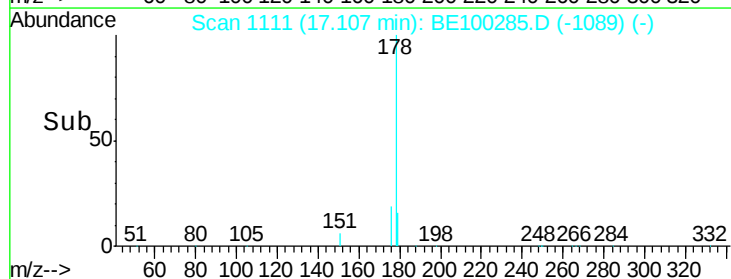
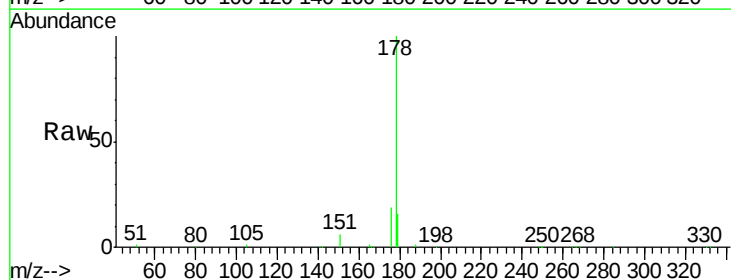
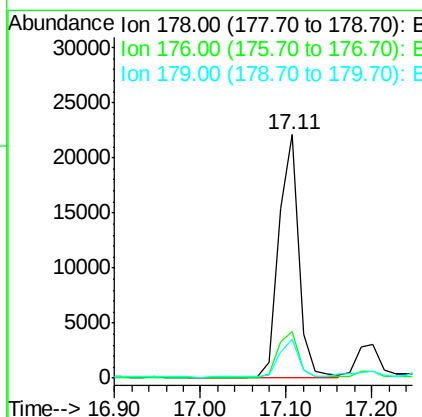
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#23
Phenanthrene
Concen: 1.993 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.9	23.9
179	15.7	12.2	18.2





#24

Anthracene

Concen: 0.338 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Instrument :

BNA_E

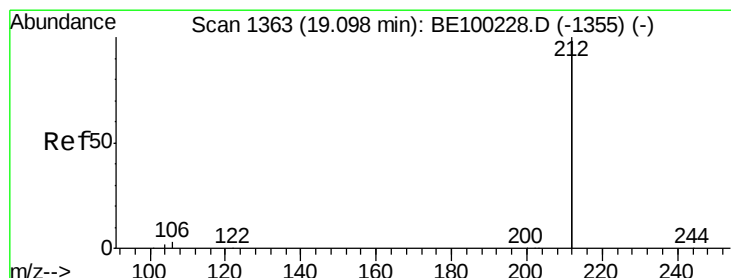
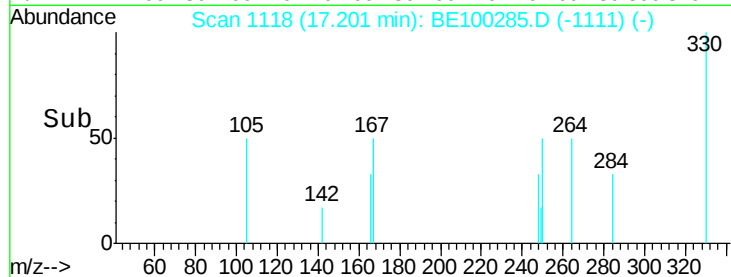
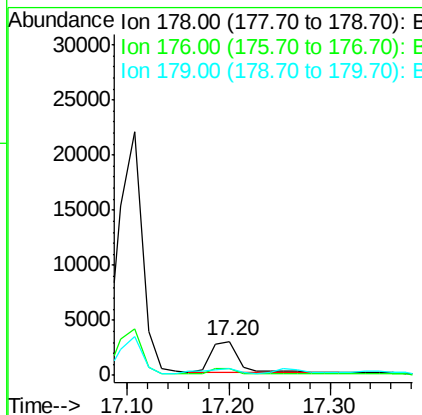
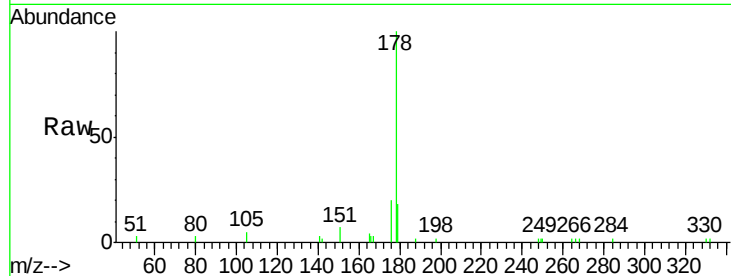
ClientSampleId :

EXT-008-SW116-061719

Tot Ion:	178	Resp:	5344
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	16.9	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.330 ng

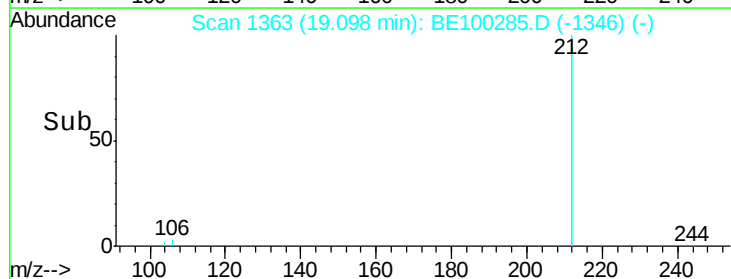
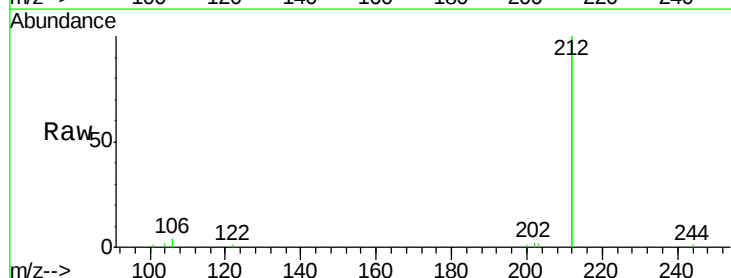
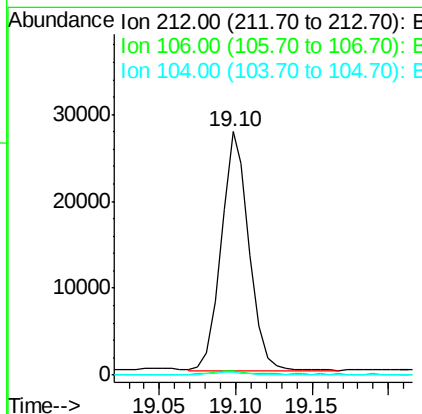
RT: 19.10 min Scan# 1363

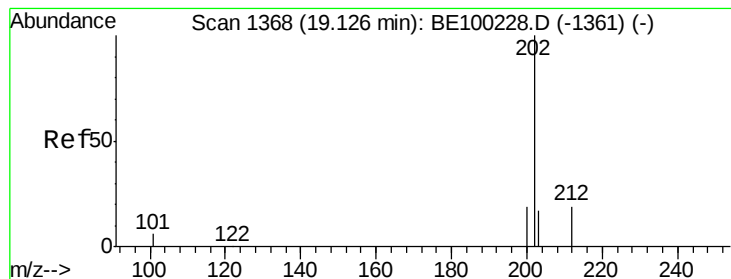
Delta R.T. 0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Tgt Ion:	212	Resp:	34751
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.3	1.9
104	1.0	0.8	1.2





#26

Fluoranthene

Concen: 3.248 ng

RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Instrument :

BNA_E

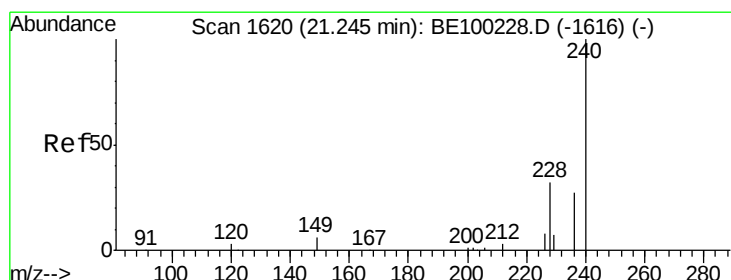
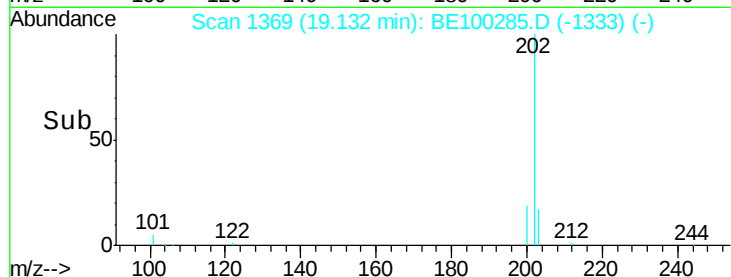
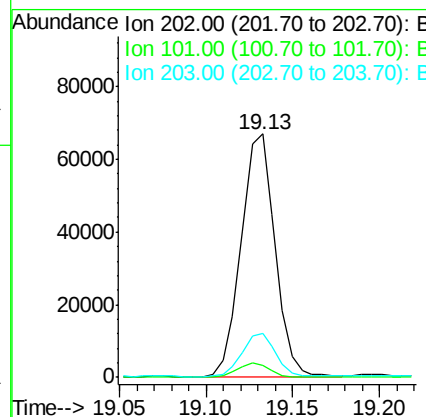
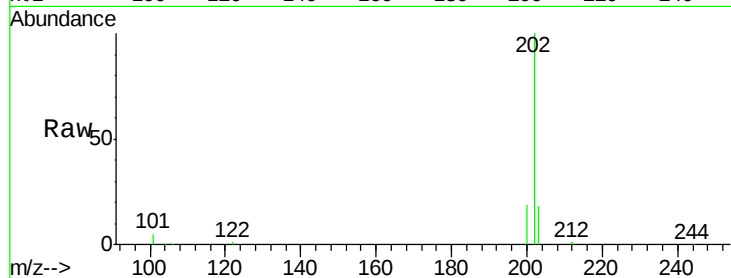
ClientSampleId :

EXT-008-SW116-061719

Tot Ion:	202	Resp:	90938
Ion Ratio	Lower	Upper	
202	100		
101	5.6	4.6	7.0
203	17.6	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

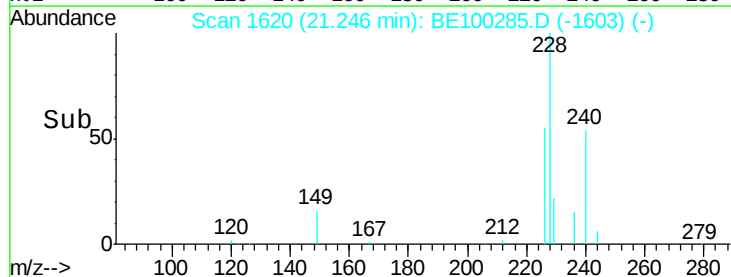
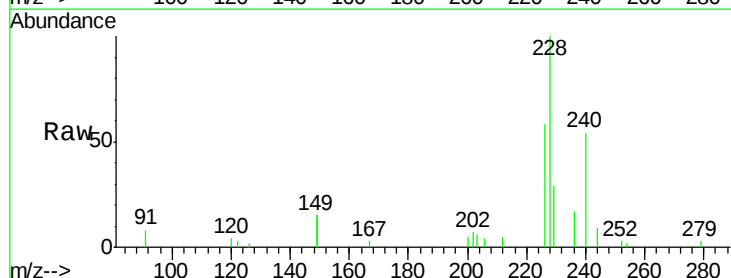
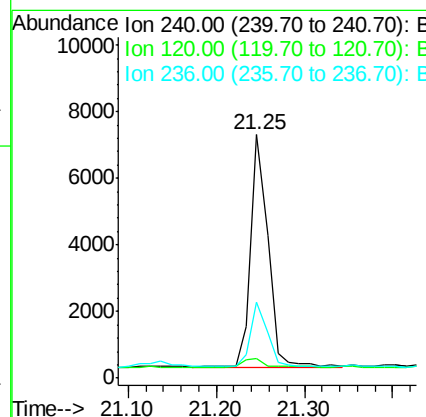
RT: 21.25 min Scan# 1620

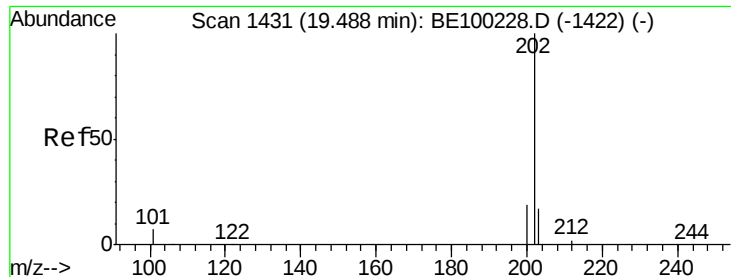
Delta R.T. 0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Tgt Ion:	240	Resp:	9507
Ion Ratio	Lower	Upper	
240	100		
120	8.0	3.3	4.9#
236	31.2	22.6	34.0





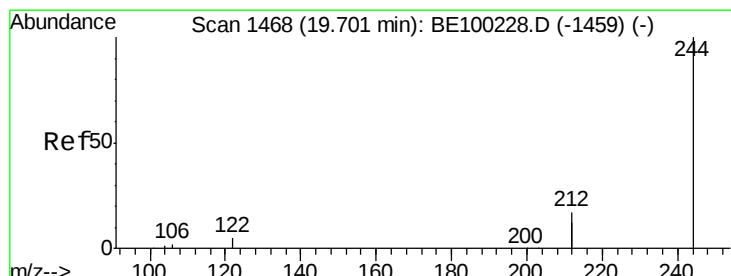
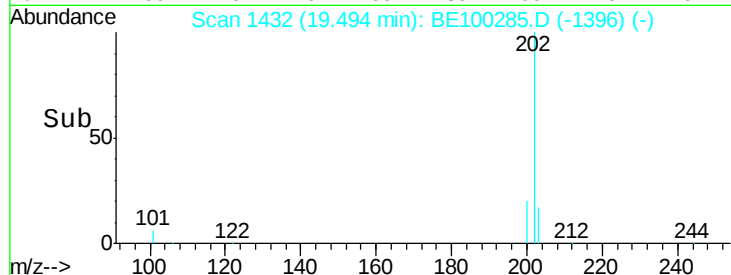
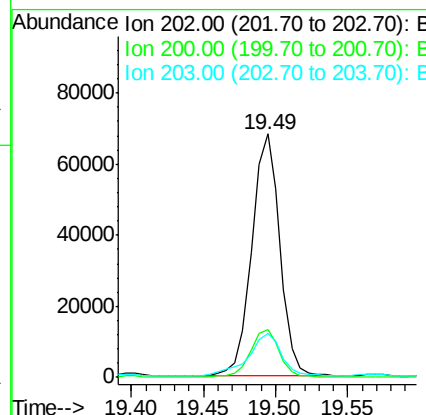
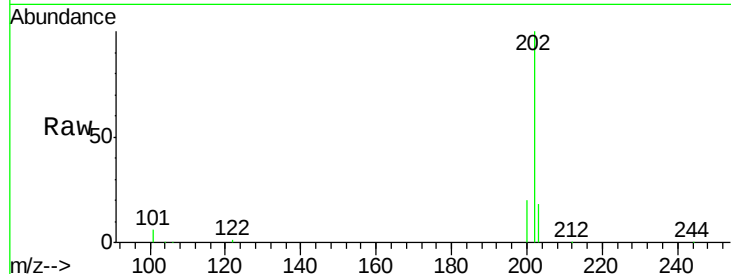
#28
Pvrene
Concen: 3.722 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.0	14.0	21.0#

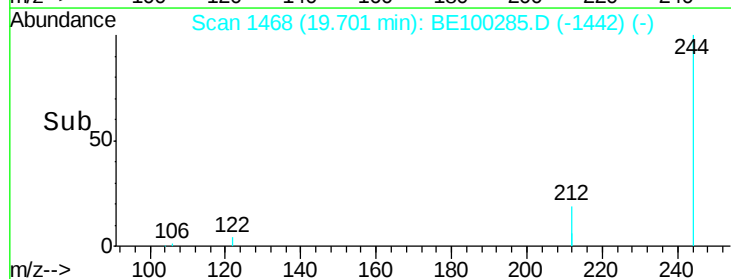
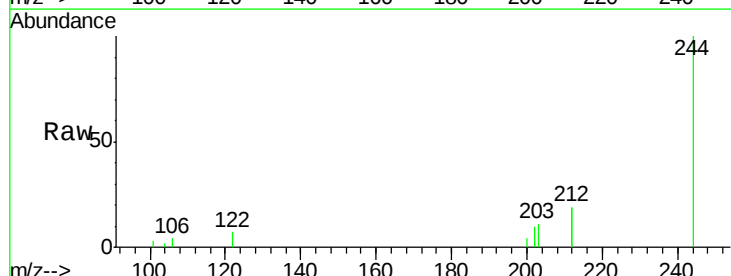
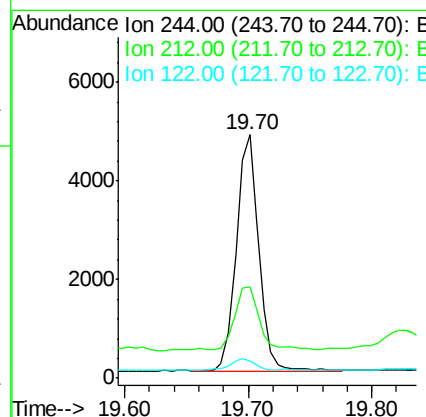
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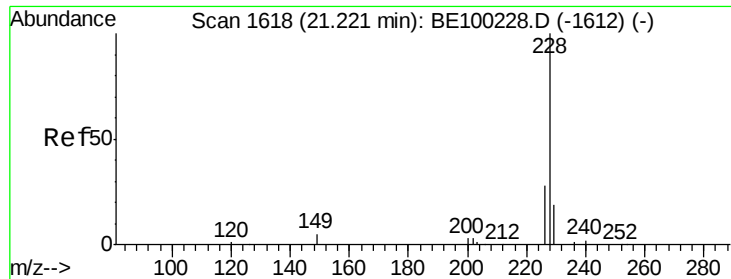
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#29
Terphenyl-d14
Concen: 0.306 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	37.5	27.3	40.9
122	7.2	4.7	7.1#





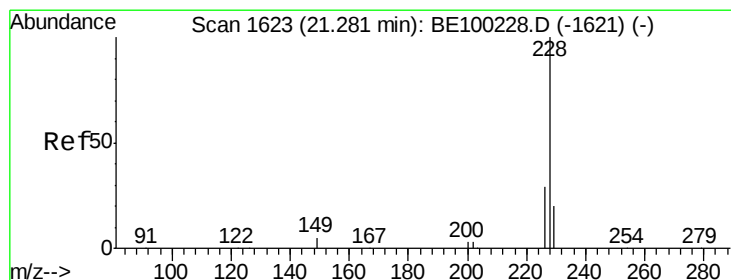
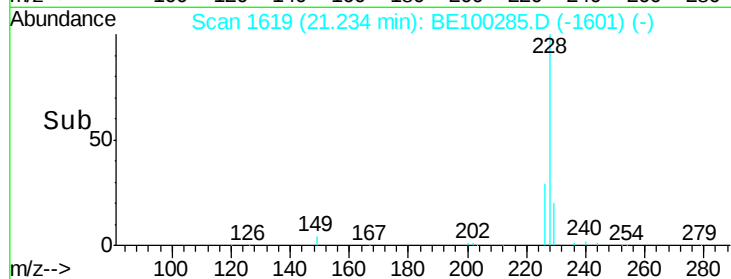
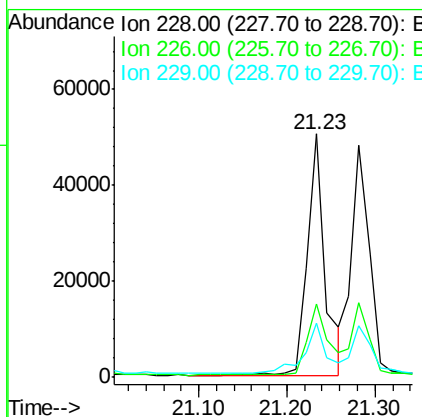
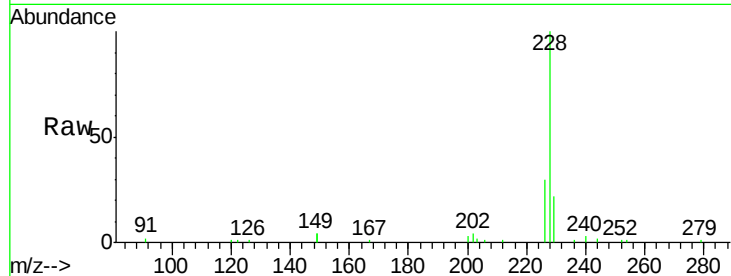
#30
Benzo(a)anthracene
Concen: 2.292 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	22.0	15.7	23.5

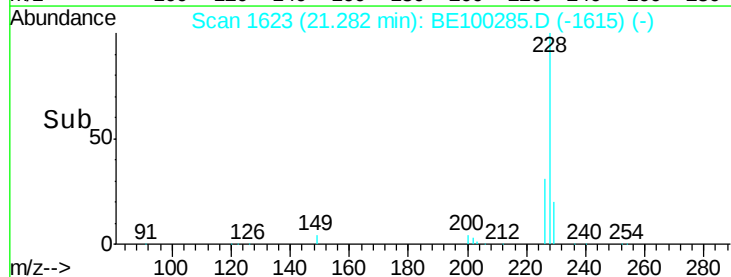
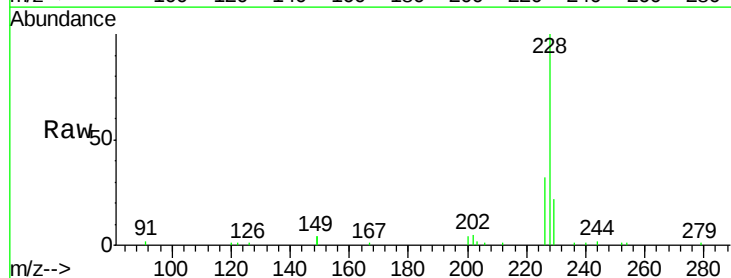
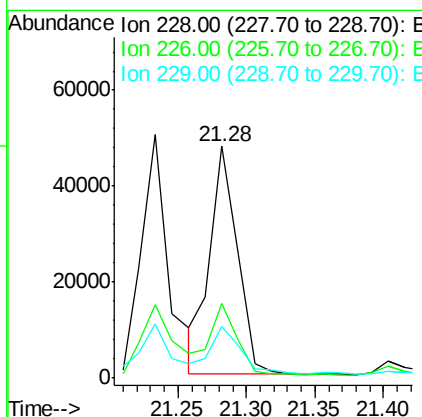
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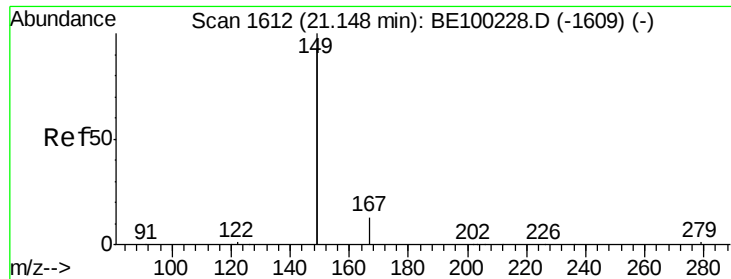
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#31
Chrysene
Concen: 2.113 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.9	35.9
229	22.4	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.602 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Instrument :

BNA_E

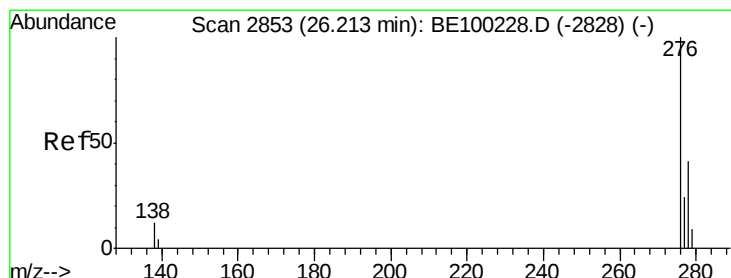
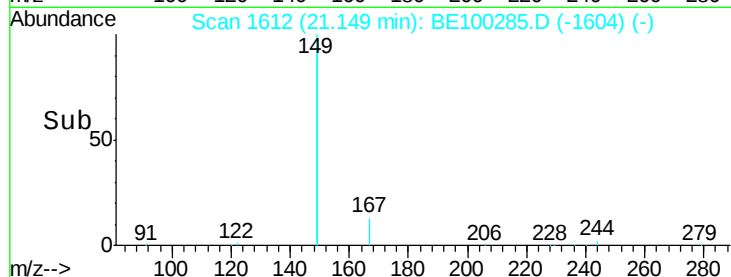
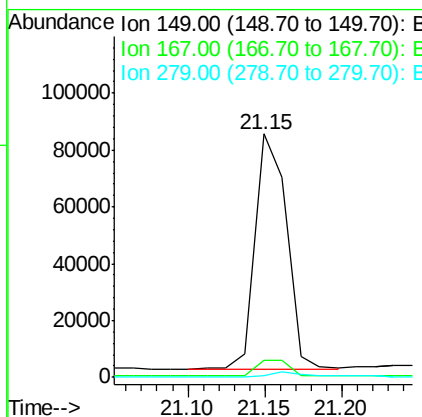
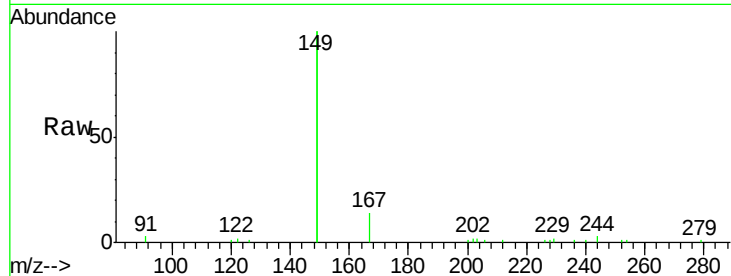
ClientSampleId :

EXT-008-SW116-061719

Tot Ion:	149	Resp:	117525
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.5	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.134 ng

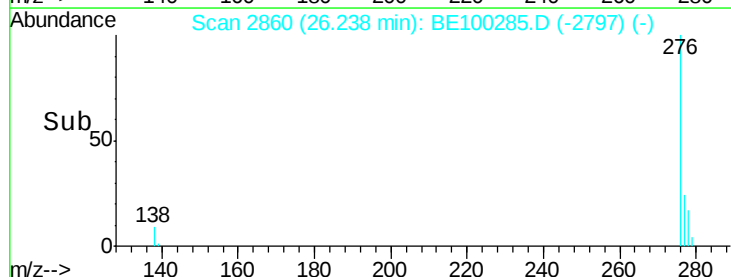
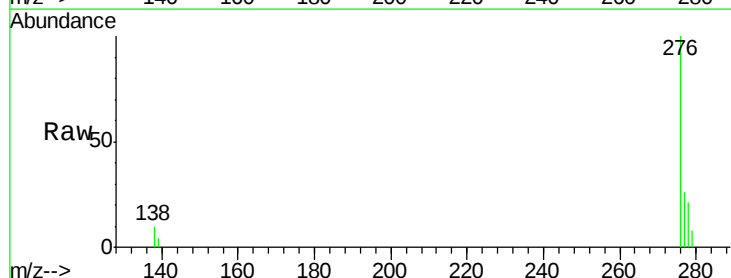
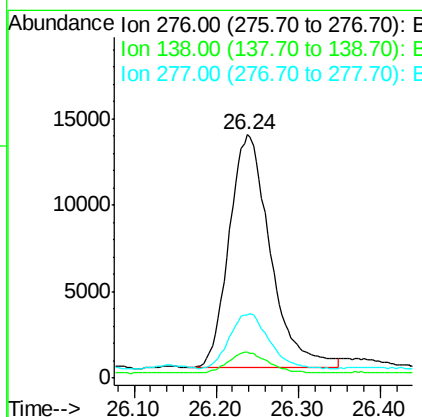
RT: 26.24 min Scan# 2860

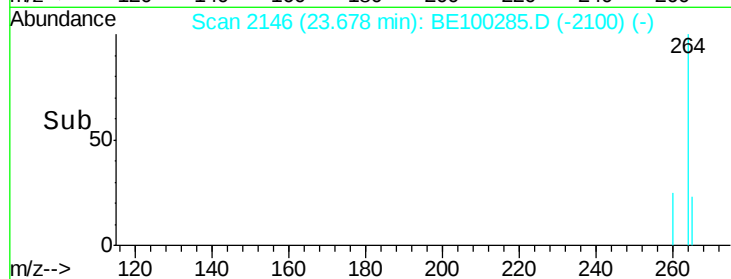
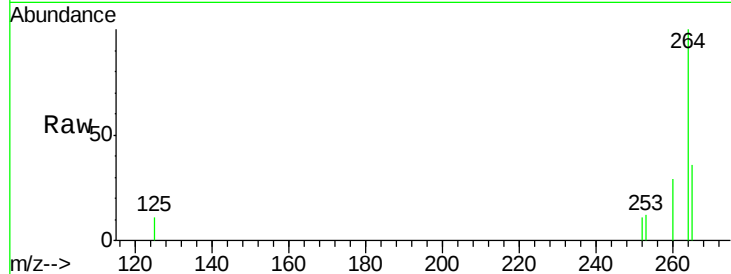
Delta R.T. 0.02 min

Lab File: BE100285.D

Acq: 2 Jul 2019 4:10

Tgt Ion:	276	Resp:	47098
Ion Ratio	Lower	Upper	
276	100		
138	8.8	9.4	14.0#
277	22.6	19.2	28.8





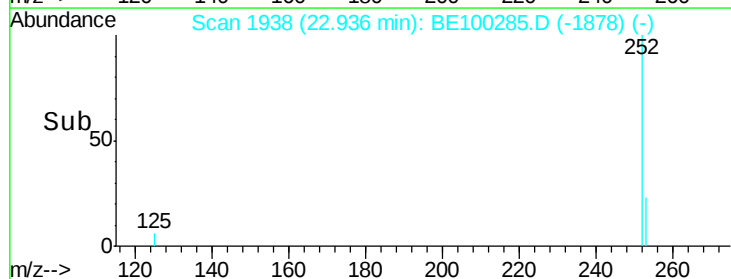
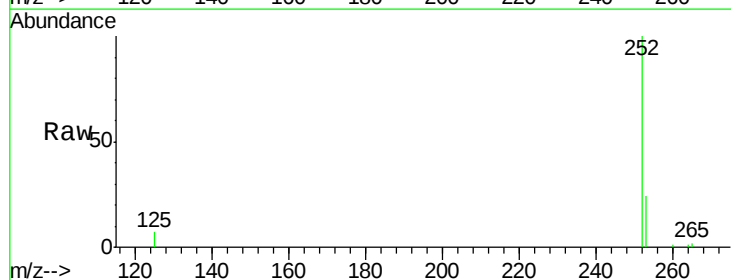
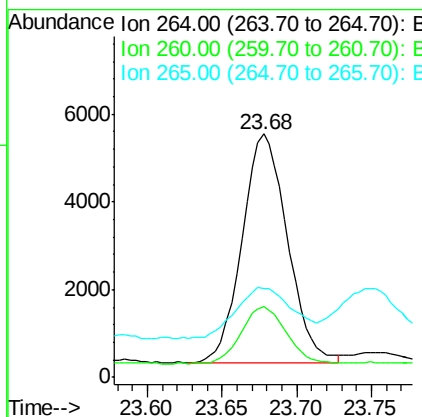
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: BE100285.D
 Acq: 2 Jul 2019 4:10

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.0	20.8	31.2
265	36.4	21.8	32.6

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW116-061719

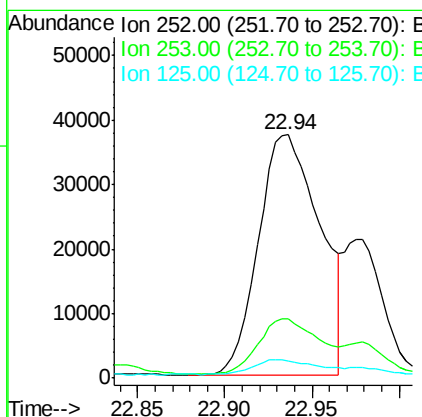
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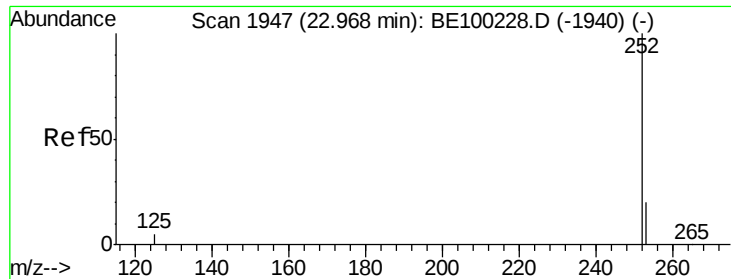
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#35
 Benzo(b)fluoranthene
 Concen: 3.058 ng
 RT: 22.94 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: BE100285.D
 Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.2	28.8
125	7.2	7.4	11.0





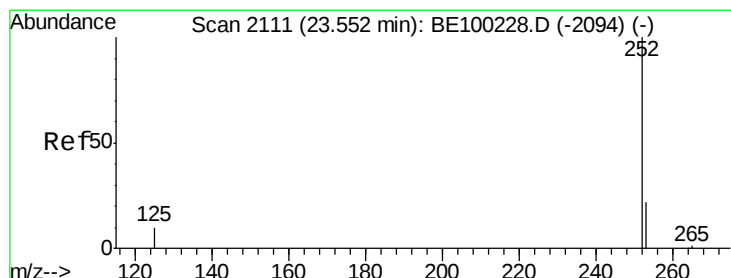
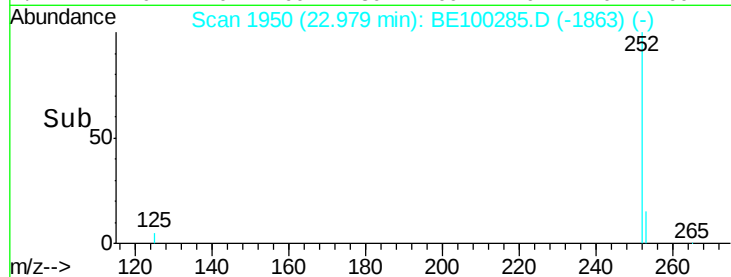
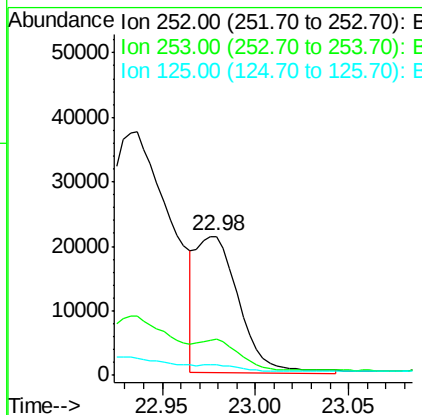
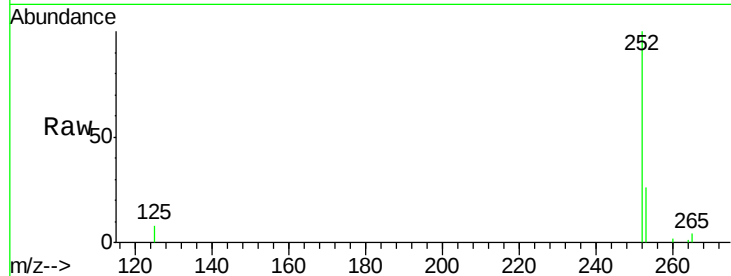
#36
Benzo(k)fluoranthene
Concen: 1.014 ng
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	7.7	5.0	7.4

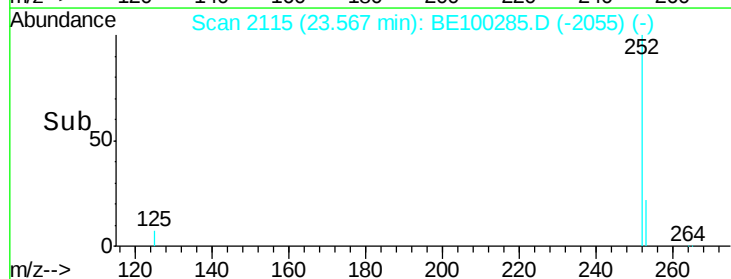
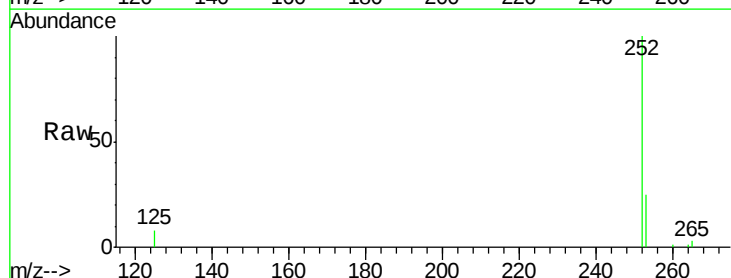
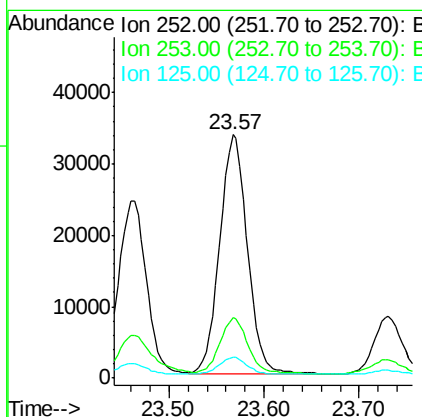
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#37
Benzo(a)pyrene
Concen: 2.250 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.6	29.4
125	8.4	9.0	13.6





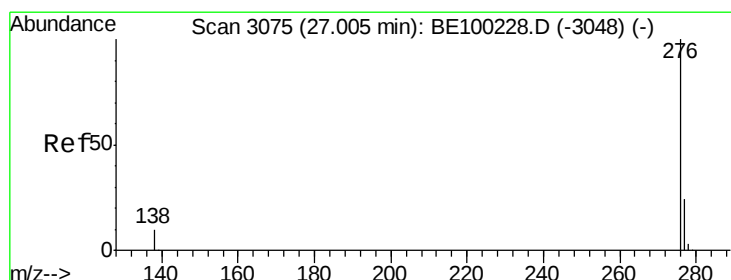
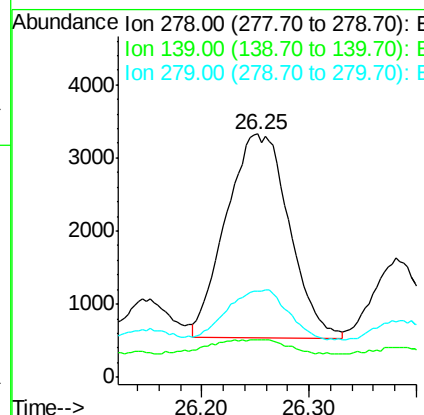
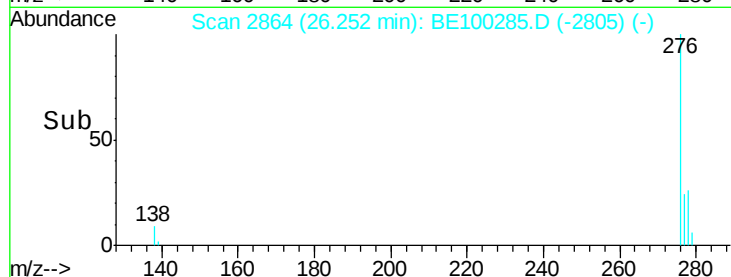
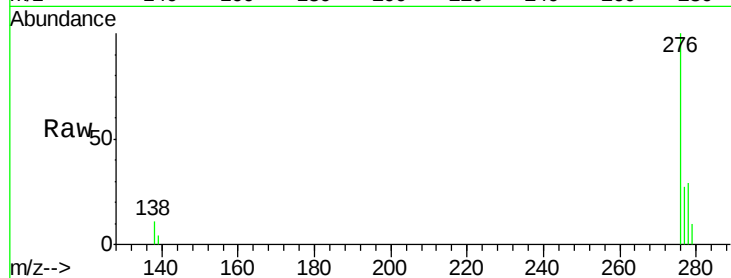
#38
Dibenzo(a,h)anthracene
Concen: 0.362 ng
RT: 26.25 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW116-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	8.2	12.2#
279	35.4	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 1.473 ng
RT: 27.03 min Scan# 3082
Delta R.T. 0.02 min
Lab File: BE100285.D
Acq: 2 Jul 2019 4:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.2	30.2
138	11.5	9.0	13.6

