

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100286.D
 Acq On : 2 Jul 2019 4:46
 Operator : JU/SJ
 Sample : K3446-13 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 02 07:03:59 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1048	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3612	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2676	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7288	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9504	0.40	ng	0.00
34) Perylene-d12	23.68	264	10712	0.40	ng	0.01

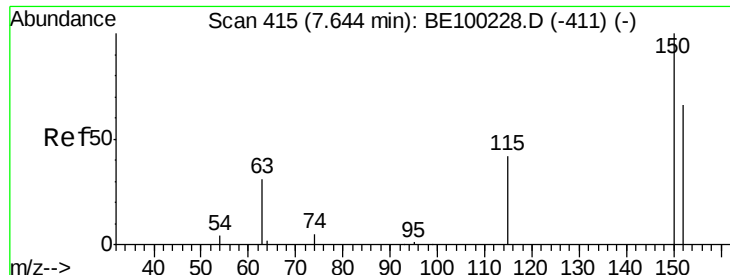
System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	361	0.14	ng	0.01
5) Phenol-d6	6.83	99	507	0.14	ng	-0.01
8) Nitrobenzene-d5	8.81	82	511	0.14	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1095	0.16	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	284	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1309	0.13	ng	-0.01
25) Fluoranthene-d10	19.10	212	14923	0.14	ng	0.00
29) Terphenyl-d14	19.70	244	2738	0.14	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	4023	0.101	ng	# 97
12) 2-Methylnaphthalene	12.12	142	614	0.088	ng	97
16) Acenaphthylene	14.04	152	2956	0.230	ng	98
17) Acenaphthene	14.38	154	907	0.125	ng	95
18) Fluorene	15.35	166	1473	0.137	ng	# 89
23) Phenanthrene	17.11	178	48381	2.739	ng	99
24) Anthracene	17.19	178	8116	0.510	ng	97
26) Fluoranthene	19.13	202	105266	3.741	ng	99
28) Pyrene	19.49	202	104938	4.170	ng	# 96
30) Benzo(a)anthracene	21.23	228	66834	2.139	ng	98
31) Chrysene	21.28	228	60125	1.916	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	177872	3.970	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	34705	0.836	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	76654	2.639	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	25698m	0.793	ng	
37) Benzo(a)pyrene	23.57	252	53311	1.832	ng	# 96
38) Dibenzo(a,h)anthracene	26.25	278	8636	0.284	ng	# 73
39) Benzo(a,h,i)perylene	27.04	276	34070	1.091	ng	97

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



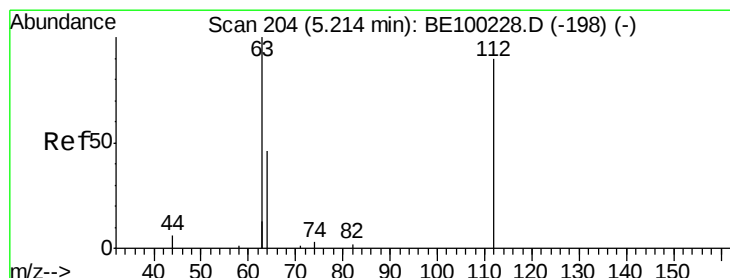
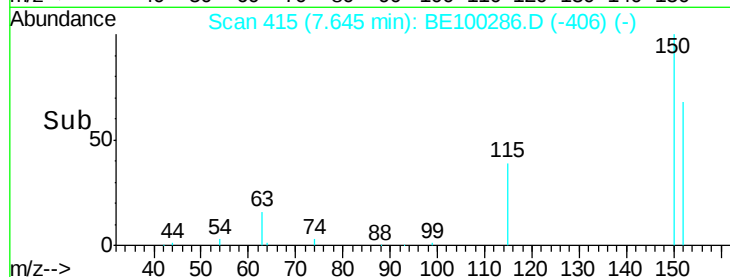
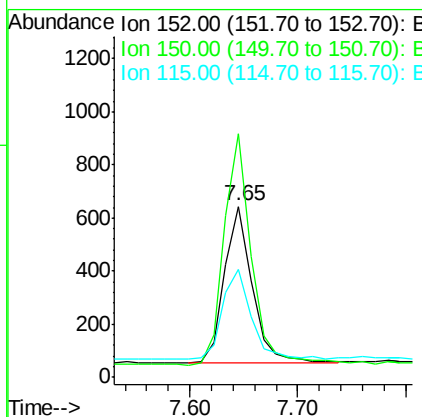
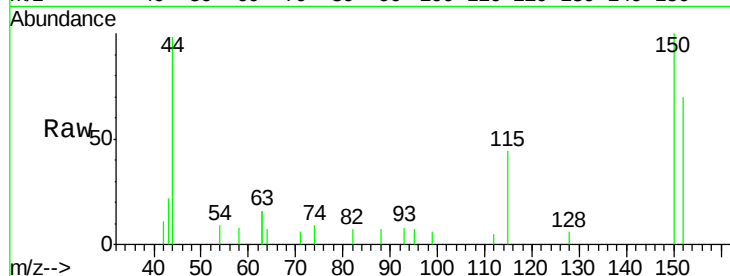
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.65 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	114.5	171.7
115	63.0	57.1	85.7

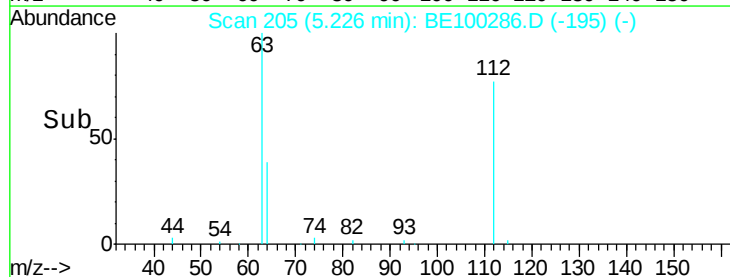
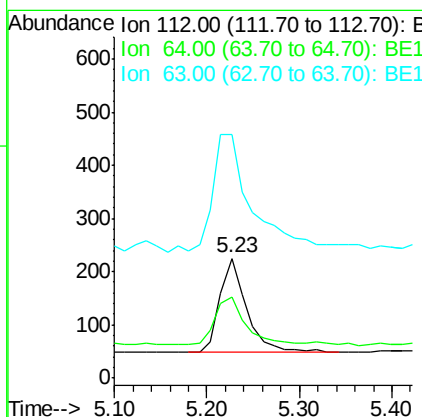
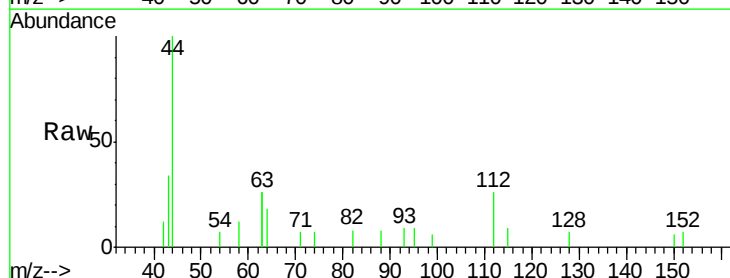
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#4
 2-Fluorophenol
 Concen: 0.135 ng
 RT: 5.23 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	39.4	59.0#
63	201.4	104.5	156.7#





#5

Phenol-d6

Concen: 0.144 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

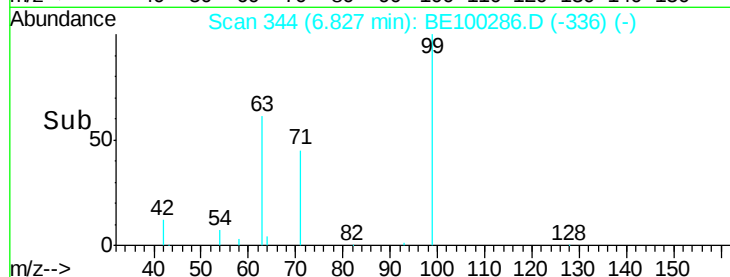
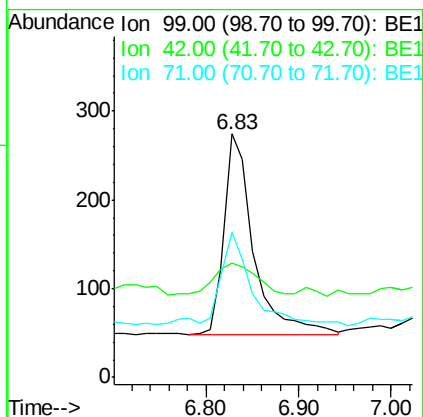
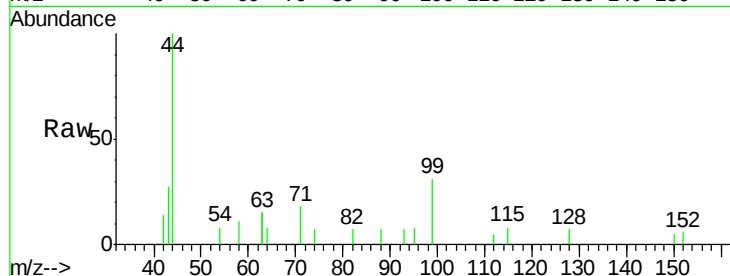
ClientSampleId :

EXT-008-SW123-061819

Tot Ion:	99	Resp:	507
Ion	Ratio	Lower	Upper
99	100		
42	20.3	11.2	16.8#
71	49.1	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

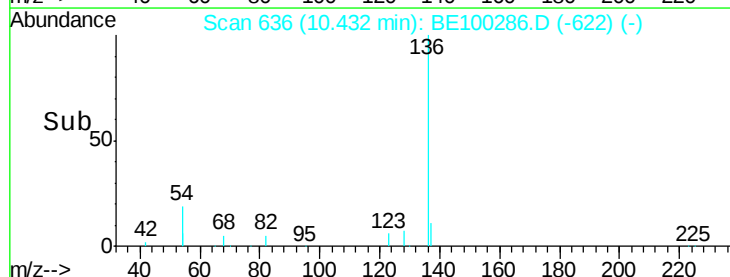
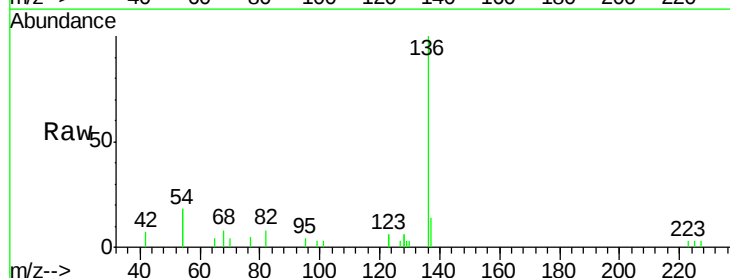
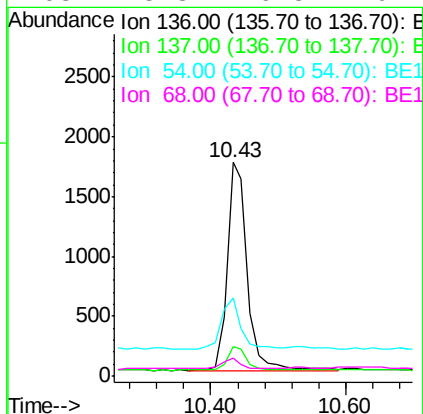
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion:	136	Resp:	3612
Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	36.8	27.7	41.5
68	8.3	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.142 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

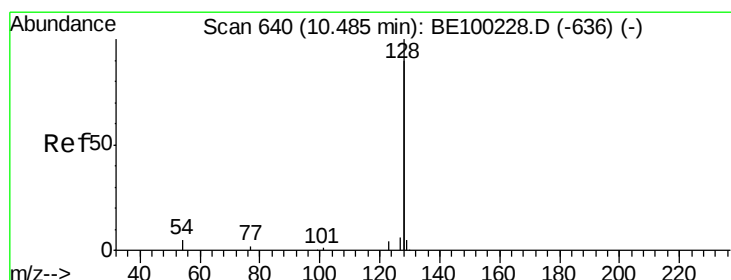
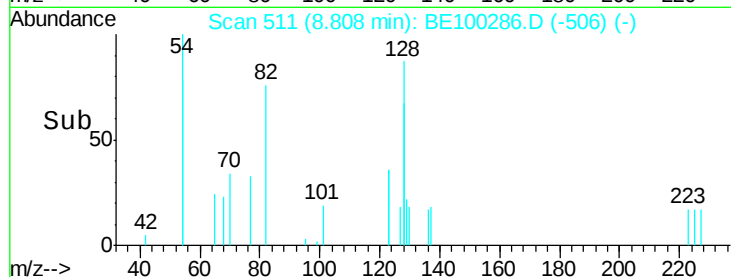
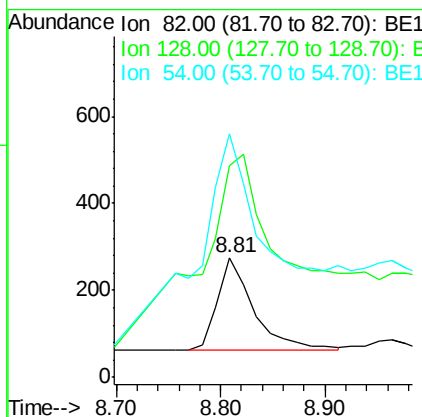
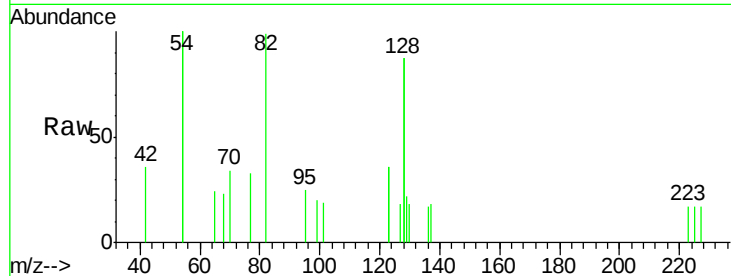
ClientSampleId :

EXT-008-SW123-061819

Tot Ion:	82	Resp:	511
Ion	Ratio	Lower	Upper
82	100		
128	176.8	140.9	211.3
54	202.9	146.2	219.2

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#9

Naphthalene

Concen: 0.101 ng

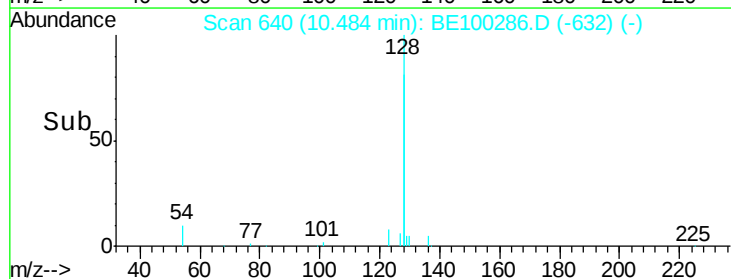
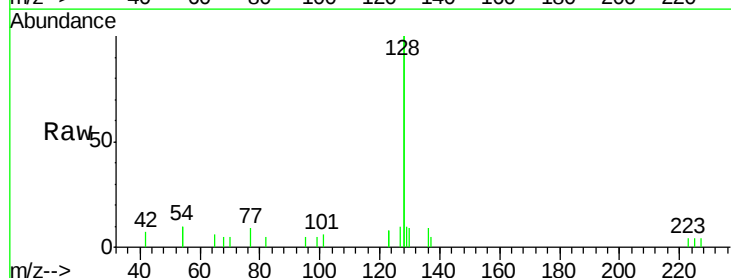
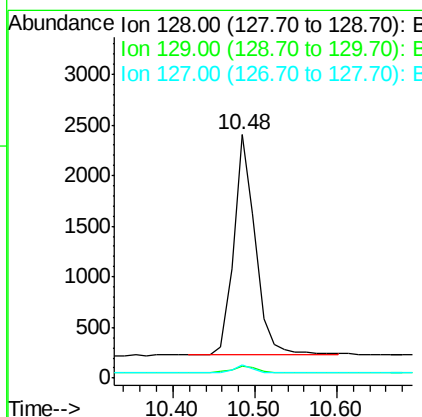
RT: 10.48 min Scan# 640

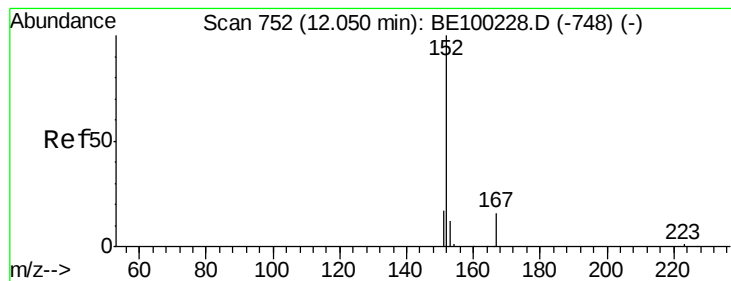
Delta R.T. -0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion:	128	Resp:	4023
Ion	Ratio	Lower	Upper
128	100		
129	4.9	3.0	4.6#
127	5.2	3.5	5.3





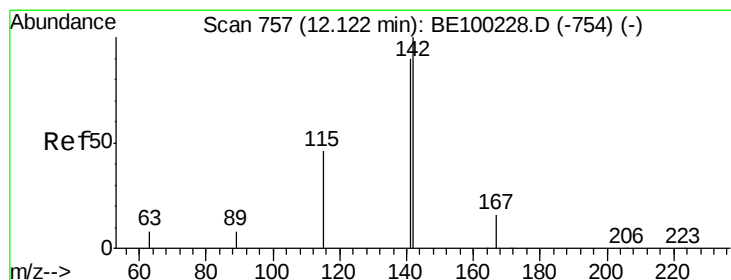
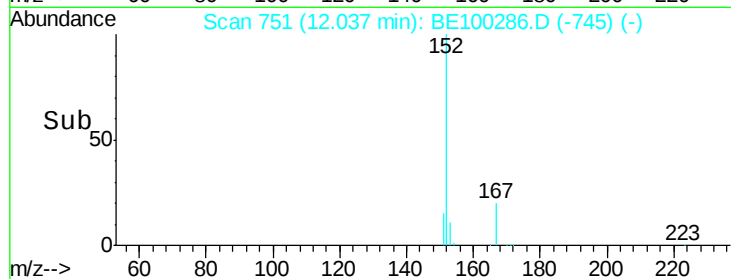
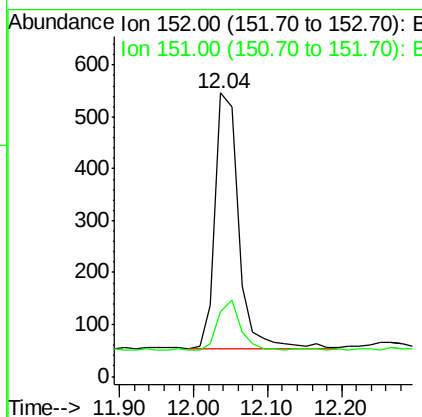
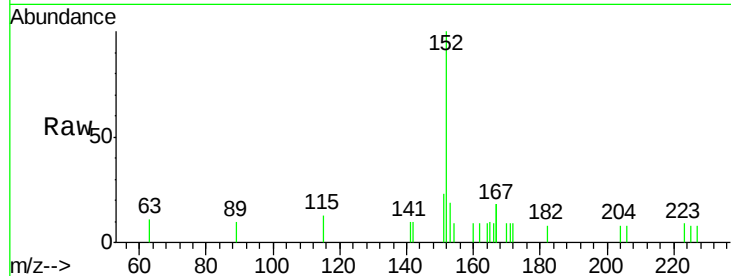
#11
2-Methylnaphthalene-d10
Concen: 0.161 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion:152 Resp: 1095
Ion Ratio Lower Upper
152 100
151 19.6 15.1 22.7

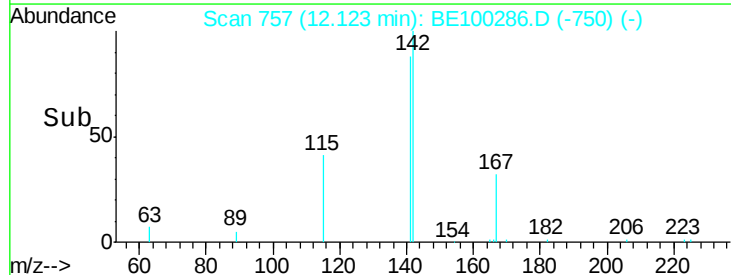
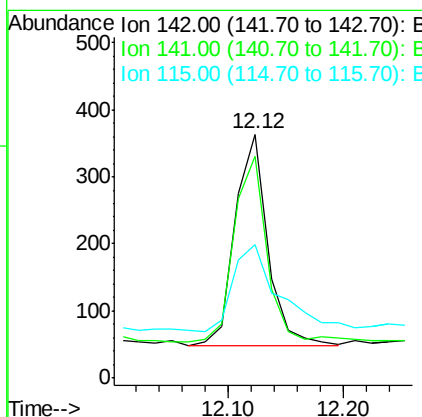
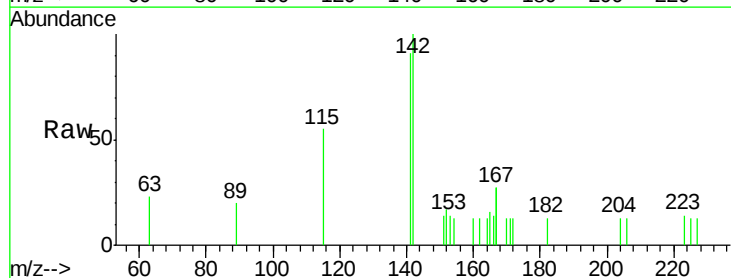
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#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion:142 Resp: 614
Ion Ratio Lower Upper
142 100
141 90.9 72.4 108.6
115 54.8 40.4 60.6





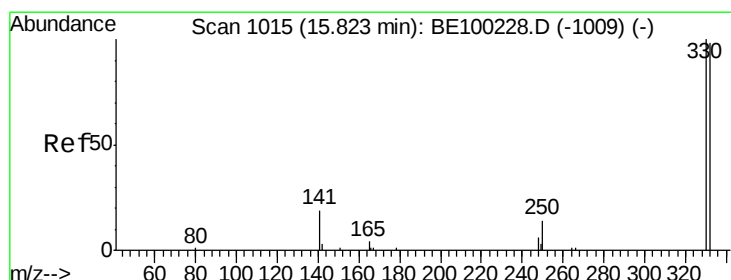
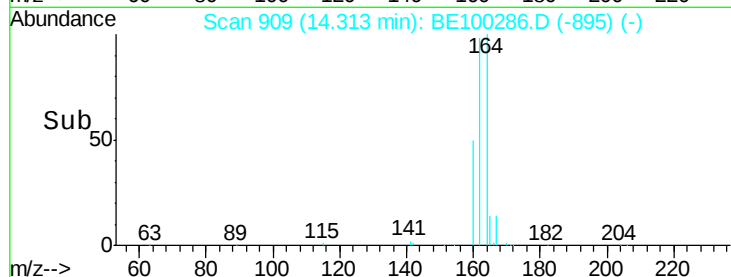
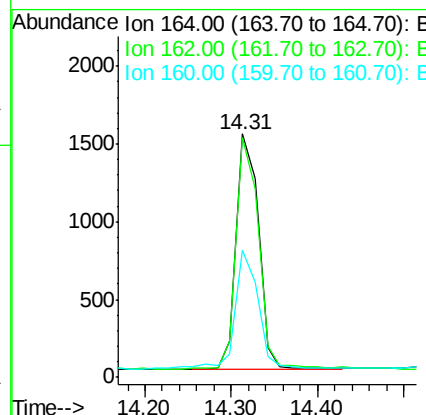
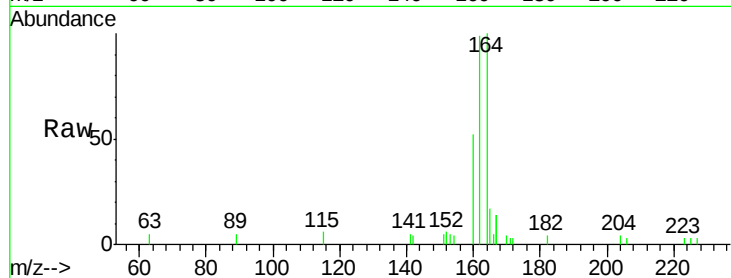
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	83.4	125.0
160	52.5	45.0	67.6

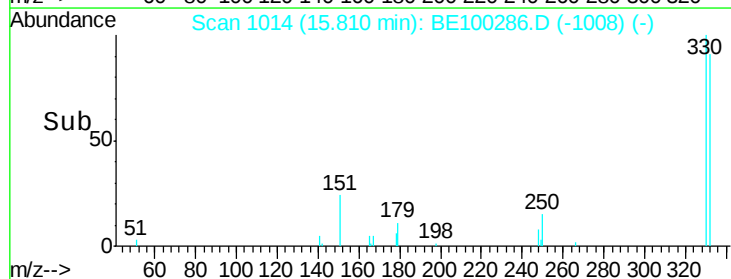
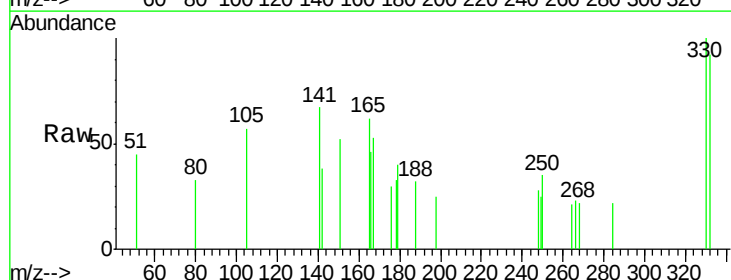
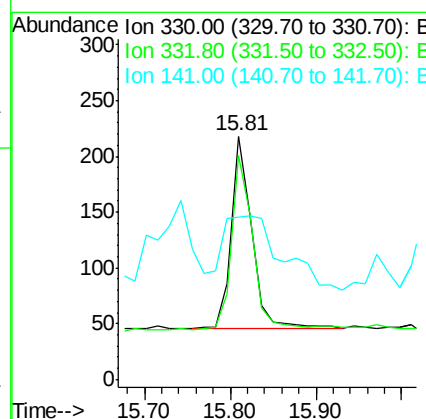
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#14
2,4,6-Tribromophenol
Concen: 0.152 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.0	115.4
141	112.3	22.0	33.0#





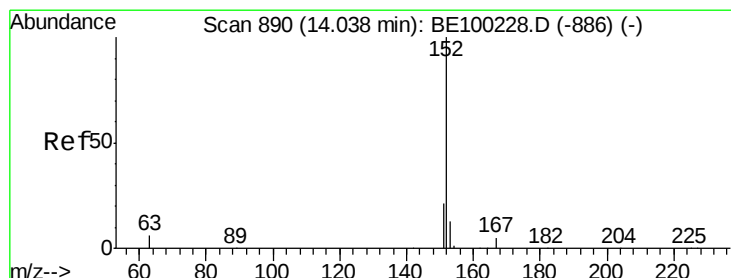
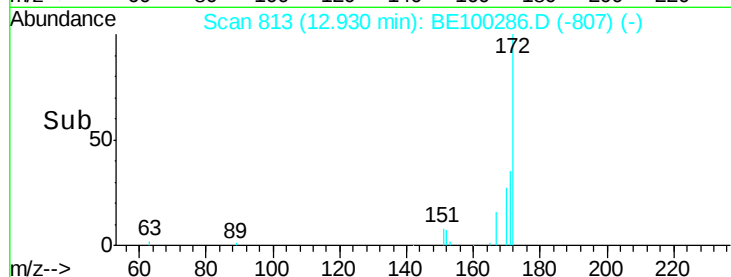
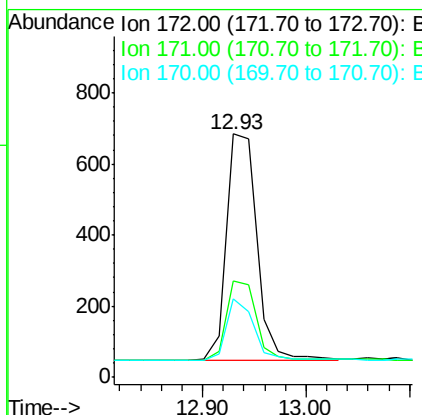
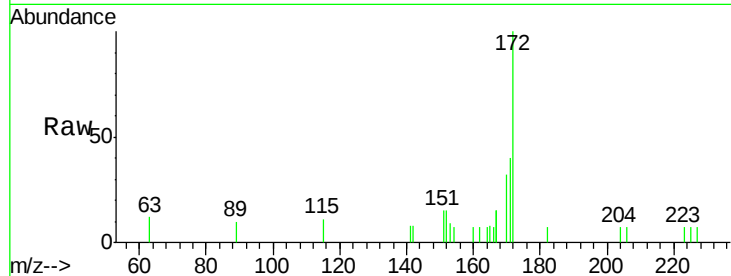
#15
2-Fluorobiphenyl
Concen: 0.126 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.7	31.9	47.9
170	32.1	22.2	33.2

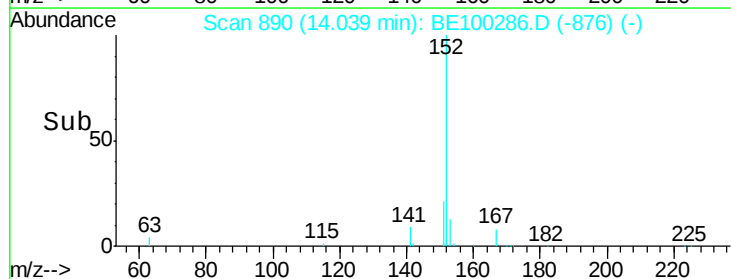
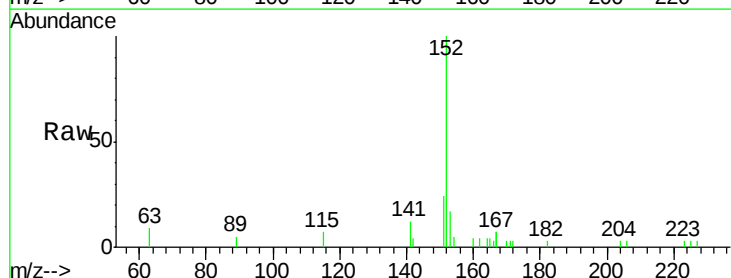
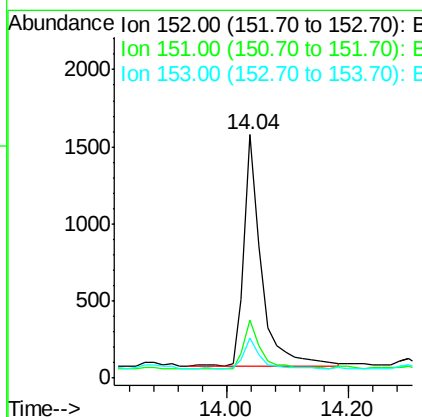
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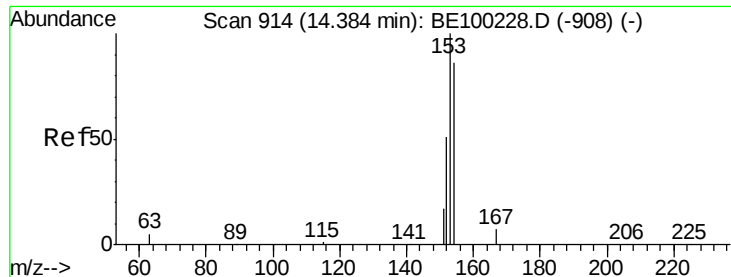
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#16
Acenaphthylene
Concen: 0.230 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.6	25.0
153	13.8	10.5	15.7





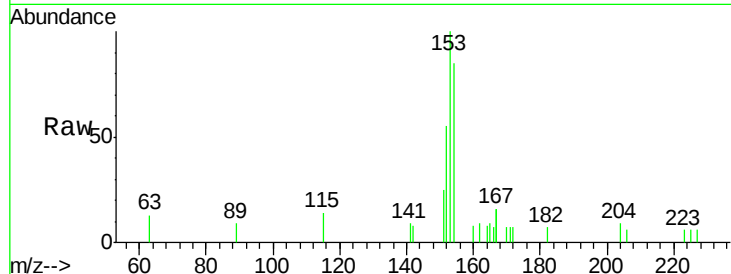
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Acenaphthene
Concen: 0.125 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

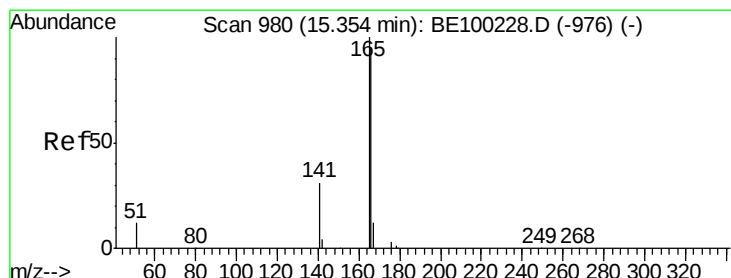
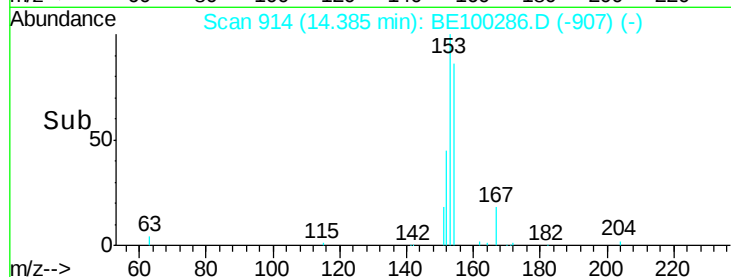
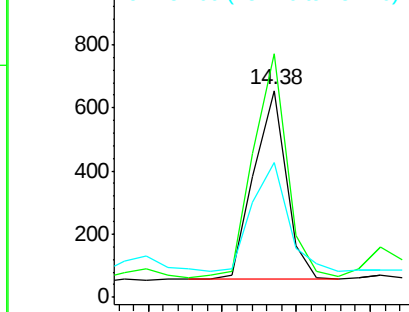
Tot Ion	Ratio	Lower	Upper
154	100		
153	122.7	93.4	140.2
152	65.0	49.4	74.2

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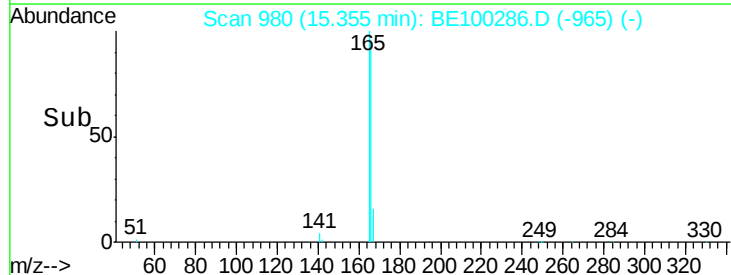
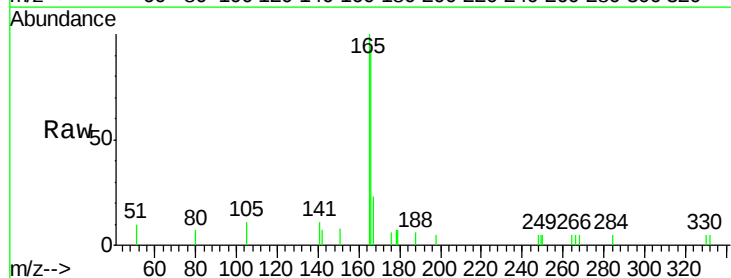
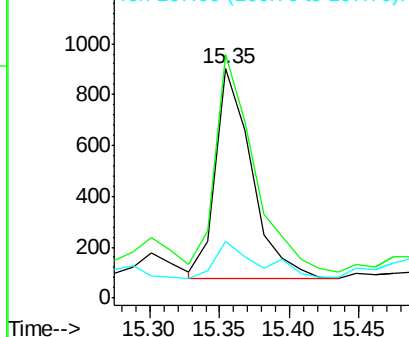
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Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

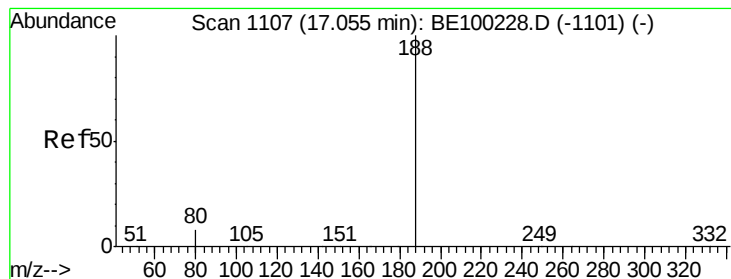


#18
Fluorene
Concen: 0.137 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.7	81.1	121.7
167	21.9	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: 17.05 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

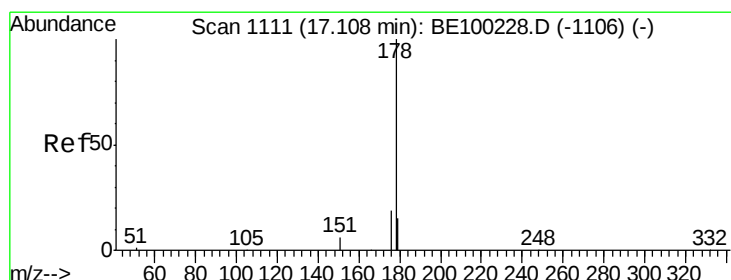
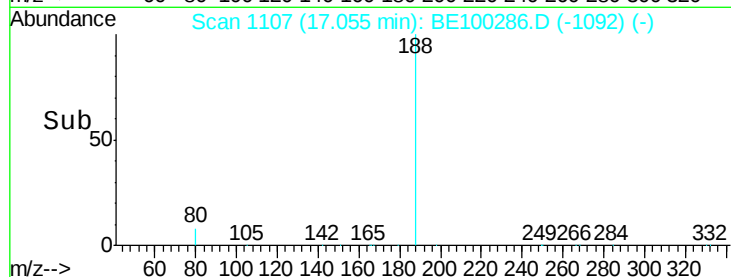
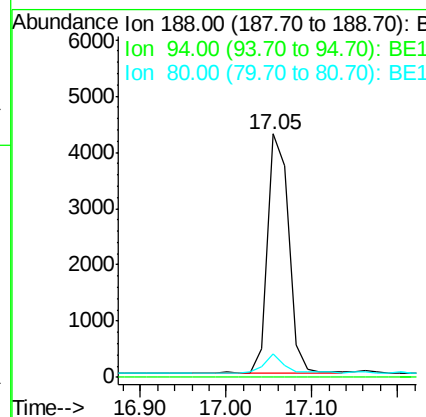
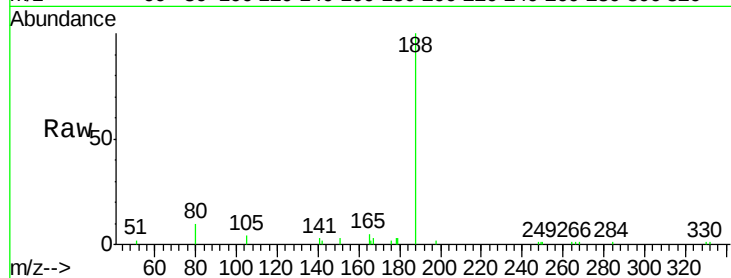
ClientSampleId :

EXT-008-SW123-061819

Tot Ion:	188	Resp:	7288
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.8	7.6	11.4

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#23

Phenanthrene

Concen: 2.739 ng

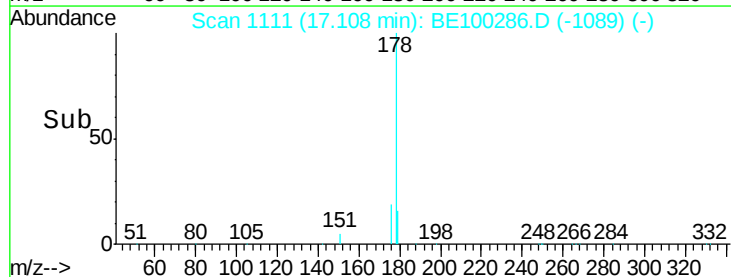
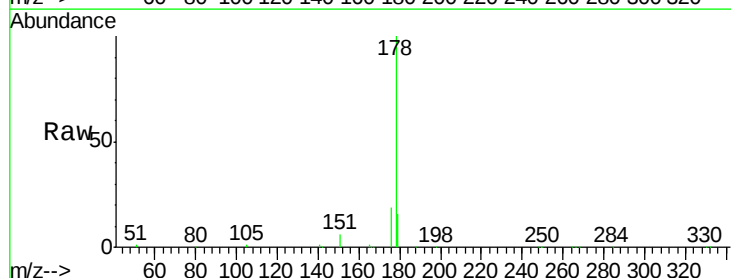
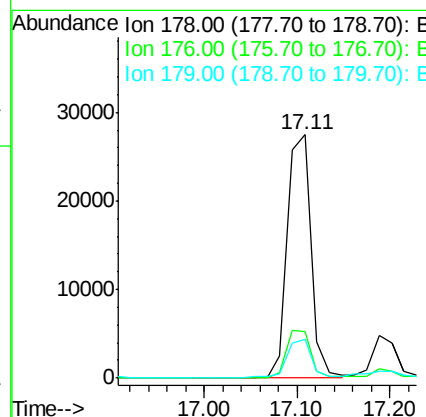
RT: 17.11 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion:	178	Resp:	48381
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.6	12.2	18.2





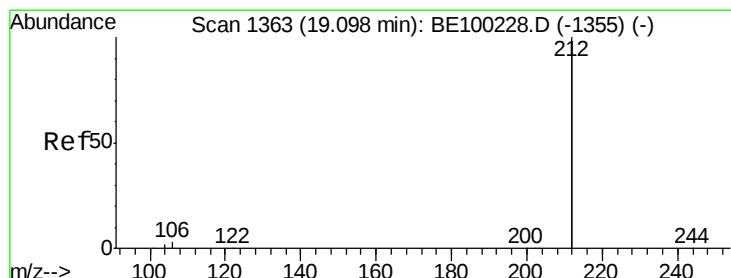
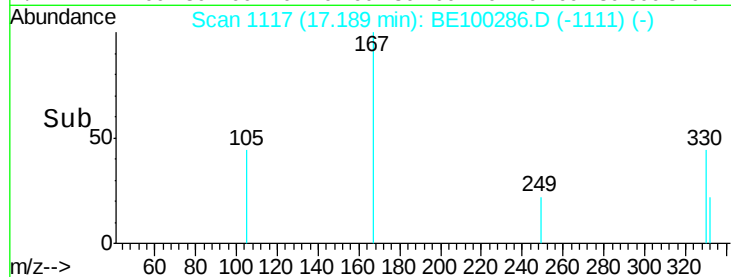
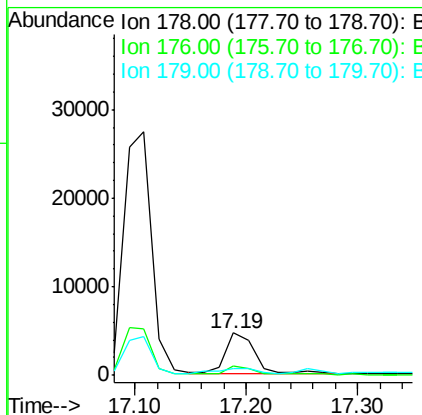
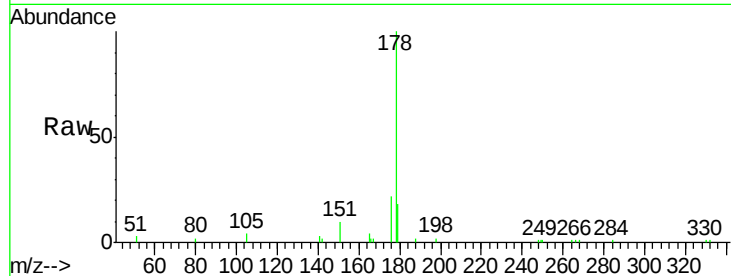
#24
 Anthracene
 Concen: 0.510 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	17.1	12.2	18.2

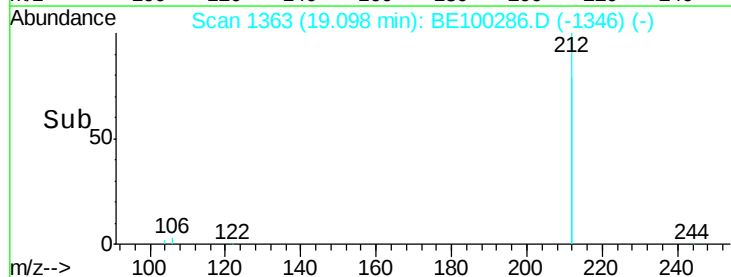
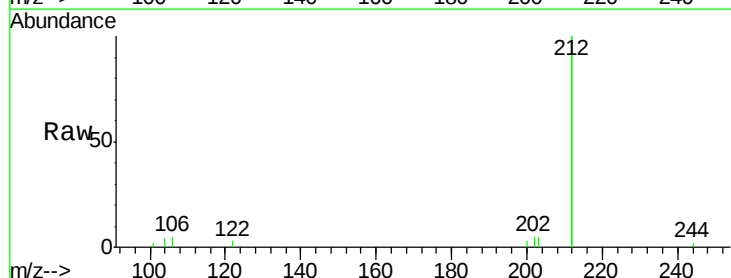
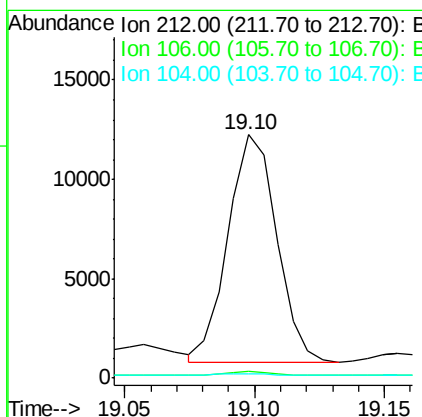
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#25
 Fluoranthene-d10
 Concen: 0.141 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

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





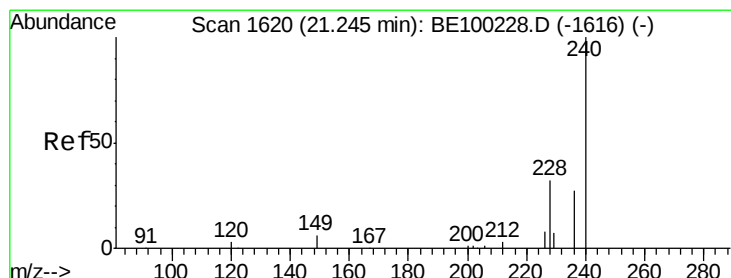
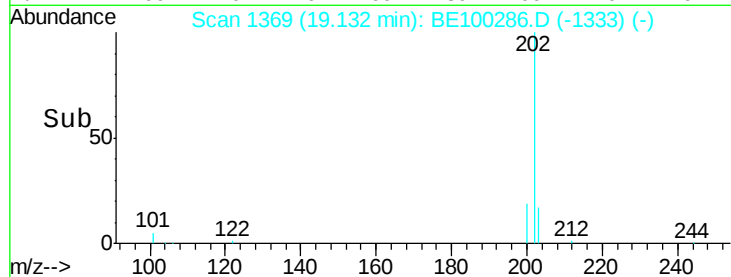
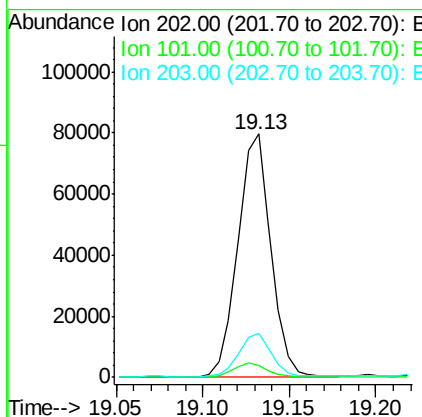
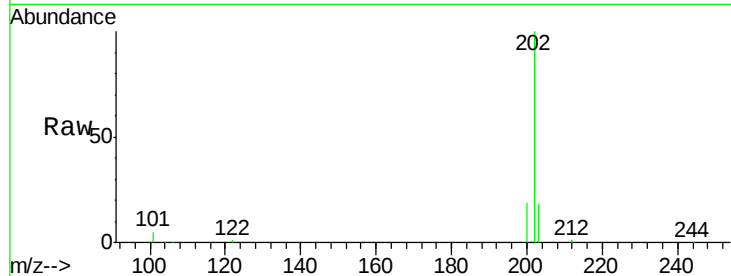
#26
 Fluoranthene
 Concen: 3.741 ng
 RT: 19.13 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	105266		
101	5.7		4.6	7.0
203	17.7		13.7	20.5

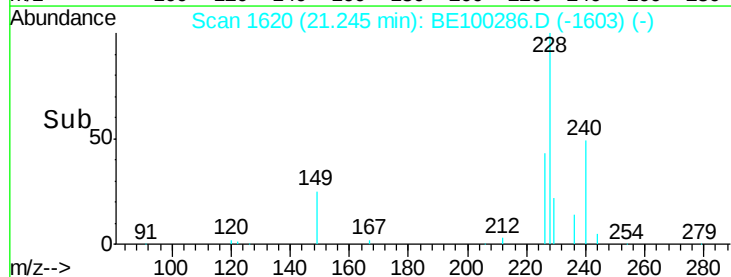
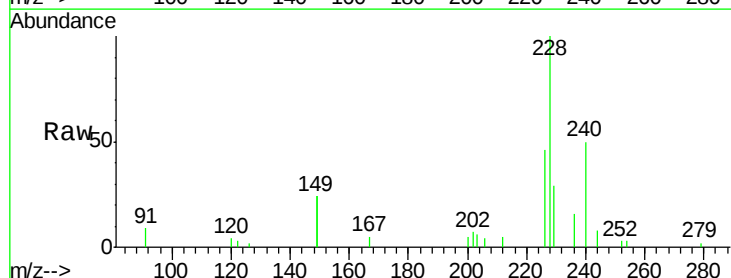
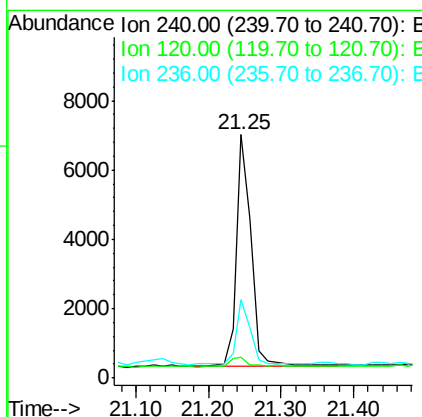
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	9504		
120	8.7		3.3	4.9#
236	32.4		22.6	34.0





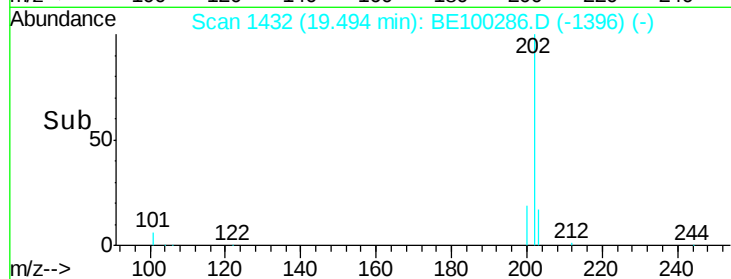
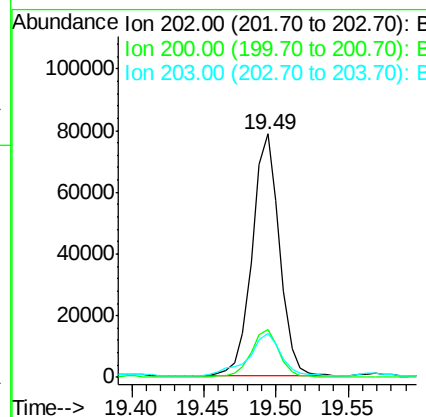
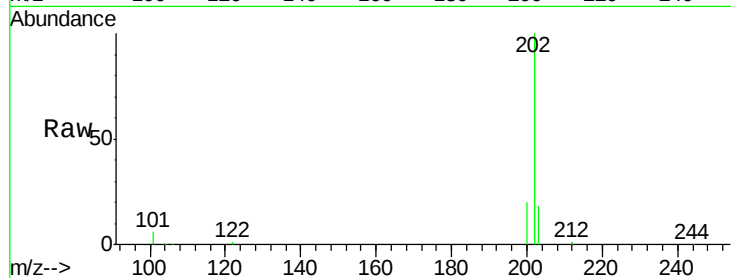
#28
Pvrene
Concen: 4.170 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	21.1	14.0	21.0#

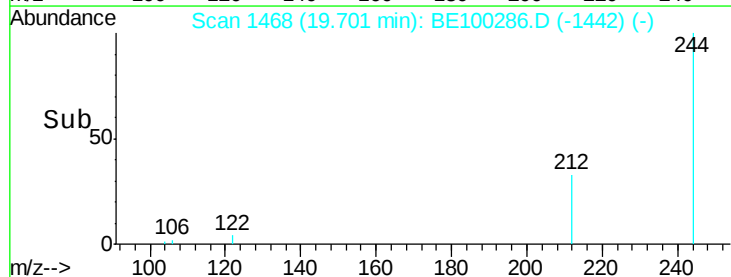
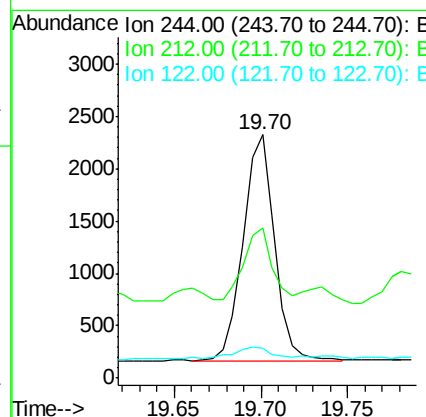
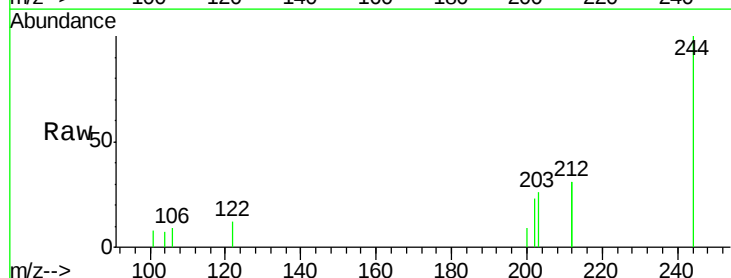
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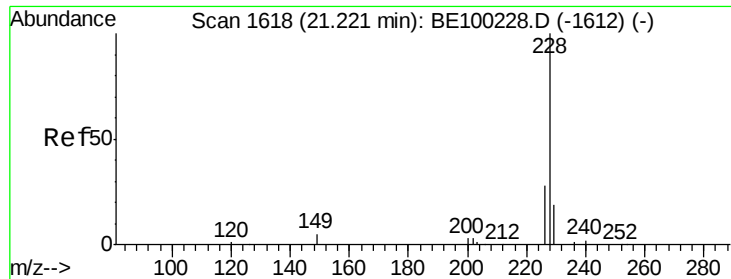
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#29
Terphenyl-d14
Concen: 0.139 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	61.6	27.3	40.9#
122	12.2	4.7	7.1#





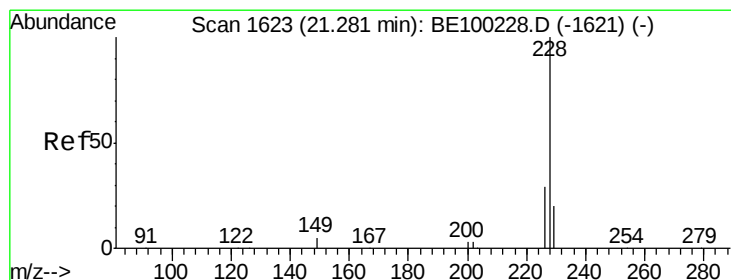
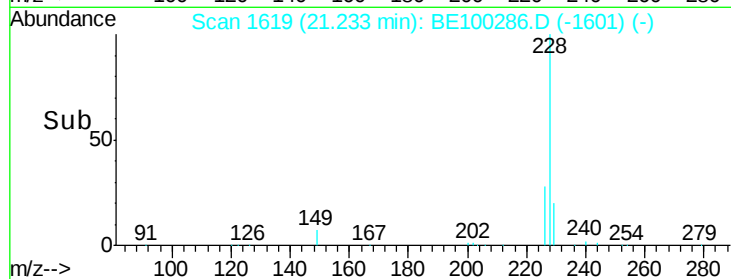
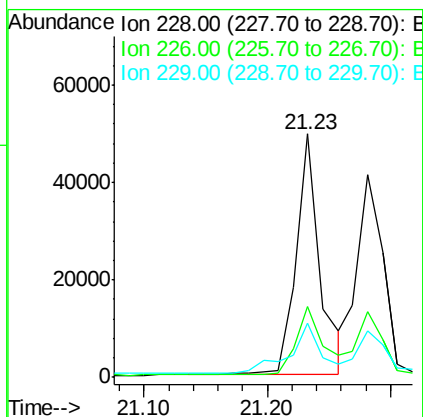
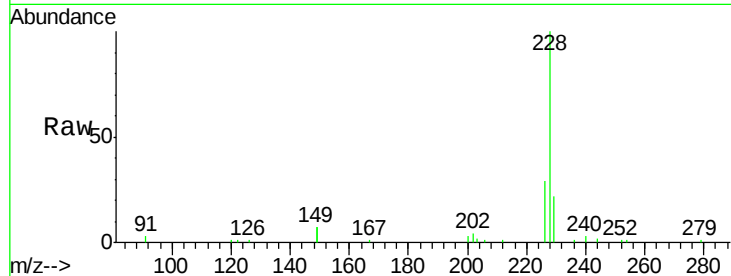
#30
Benzo(a)anthracene
Concen: 2.139 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.2	34.8
229	22.0	15.7	23.5

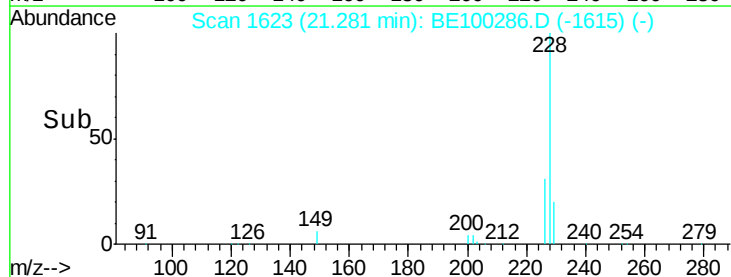
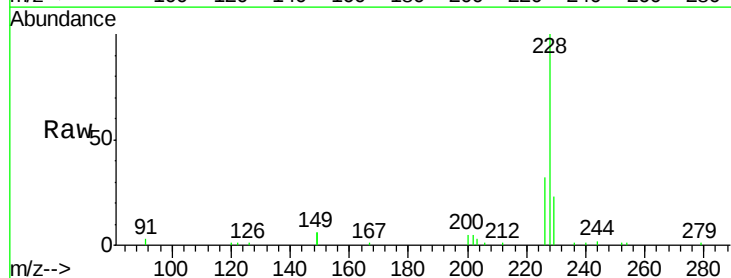
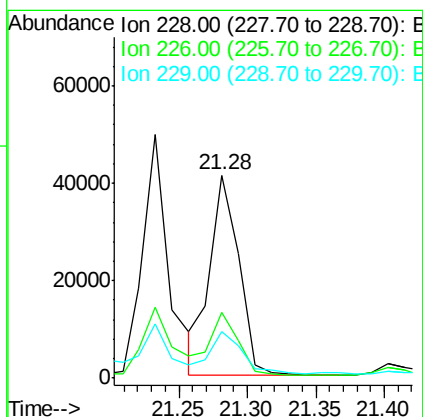
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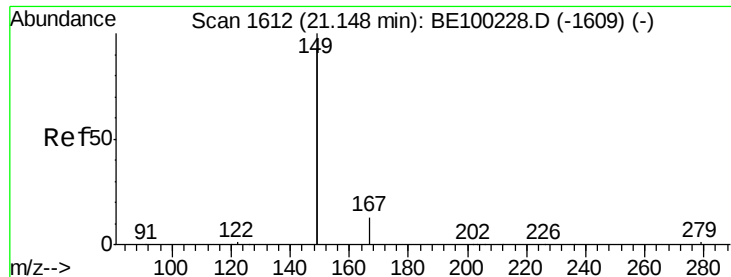
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#31
Chrysene
Concen: 1.916 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	22.9	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.970 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

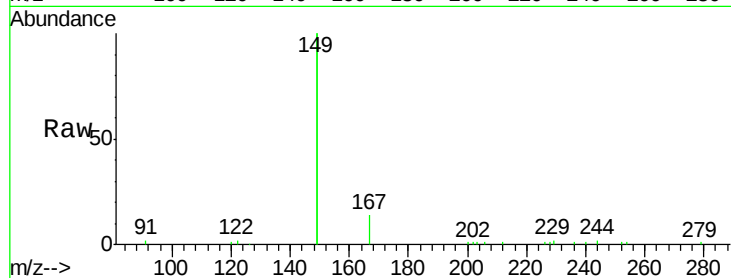
ClientSampleId :

EXT-008-SW123-061819

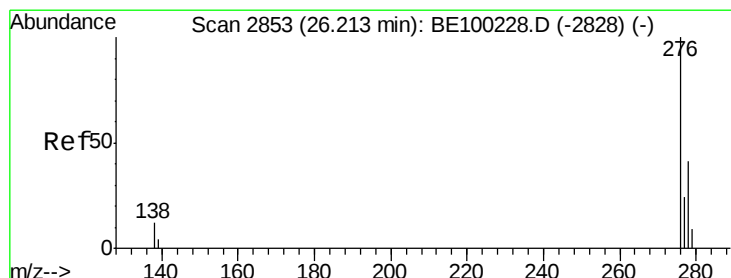
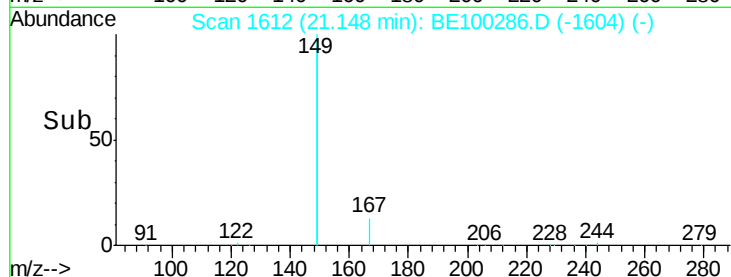
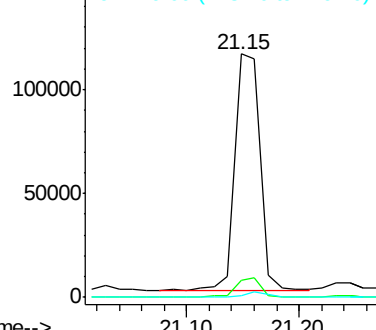
Tot Ion:	149	Resp:	177872
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	1.5	1.1	1.7

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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: 0.836 ng

RT: 26.24 min Scan# 2861

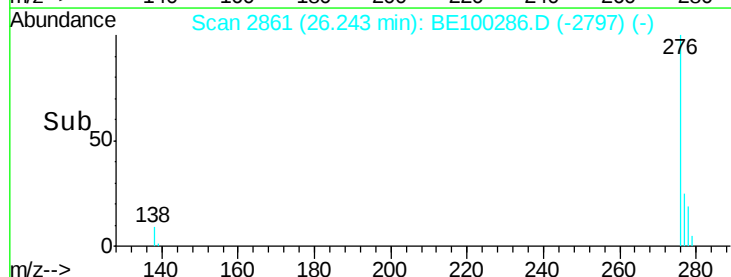
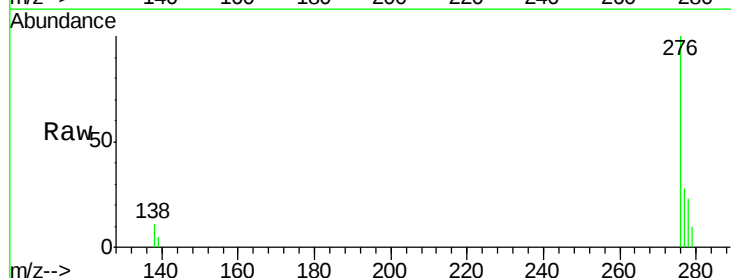
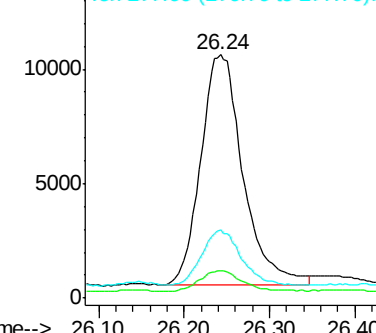
Delta R.T. 0.03 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion:	276	Resp:	34705
Ion Ratio	Lower	Upper	
276	100		
138	8.9	9.4	14.0#
277	22.5	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





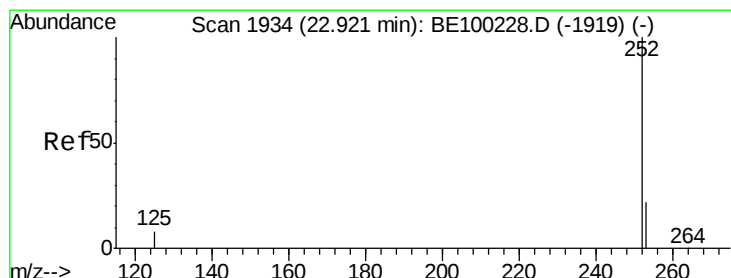
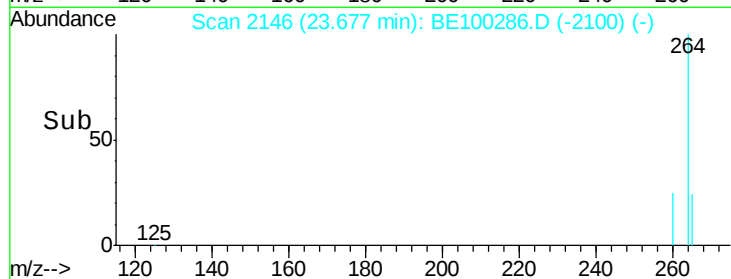
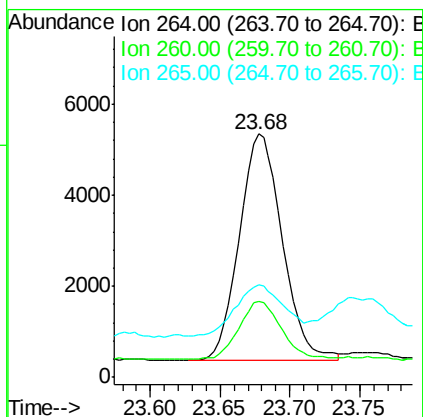
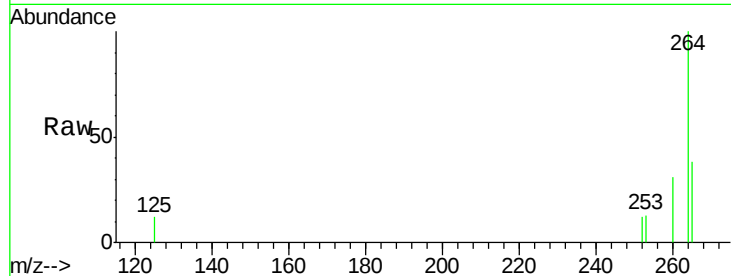
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	31.4	20.8	31.2#
265	38.2	21.8	32.6#

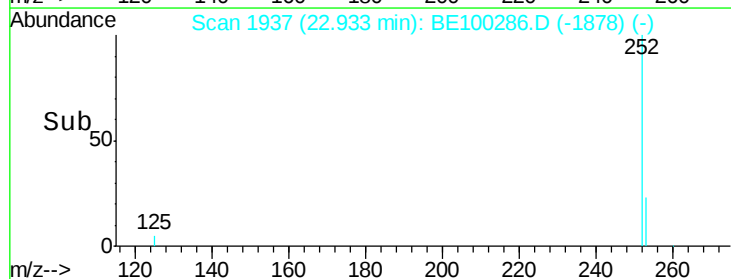
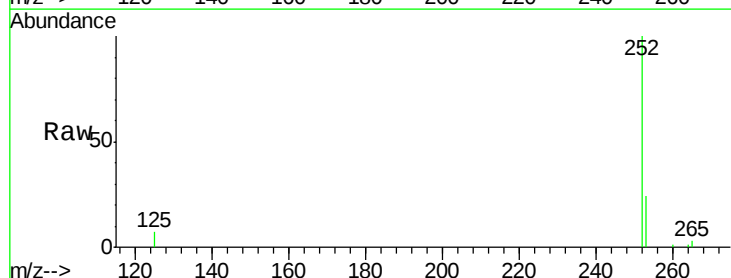
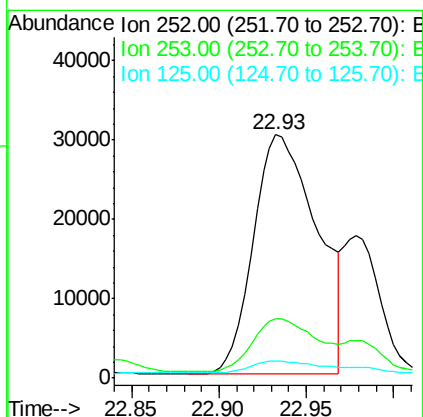
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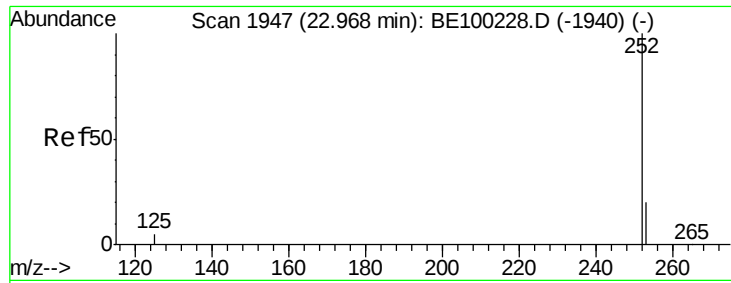
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#35
Benzo(b)fluoranthene
Concen: 2.639 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.2	28.8
125	6.8	7.4	11.0#





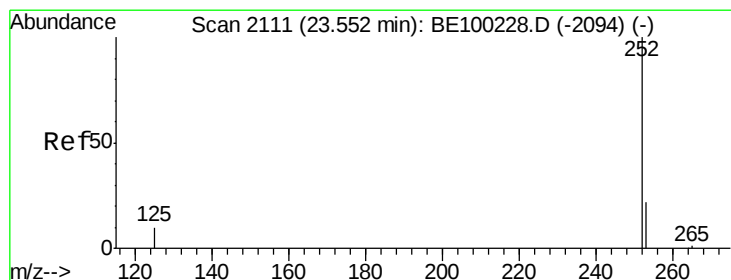
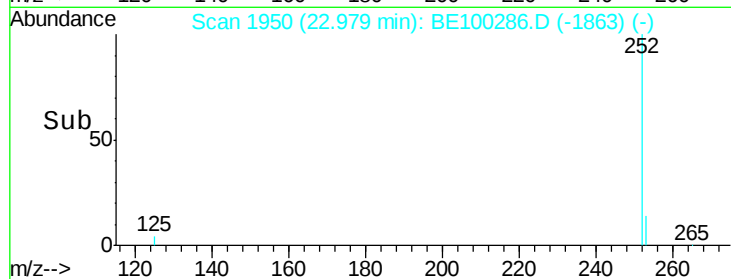
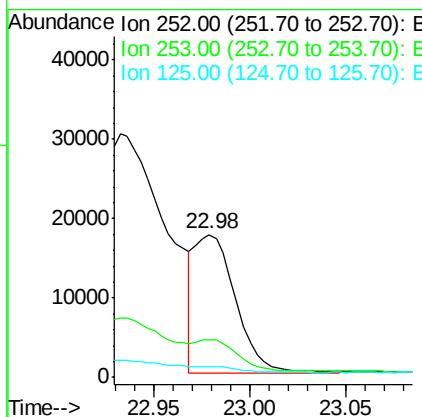
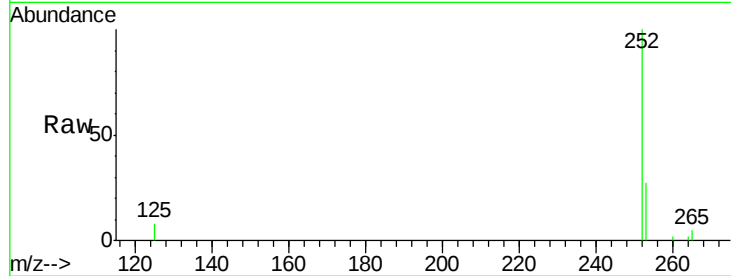
#36
Benzo(k)fluoranthene
Concen: 0.793 ng m
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	7.9	5.0	7.4

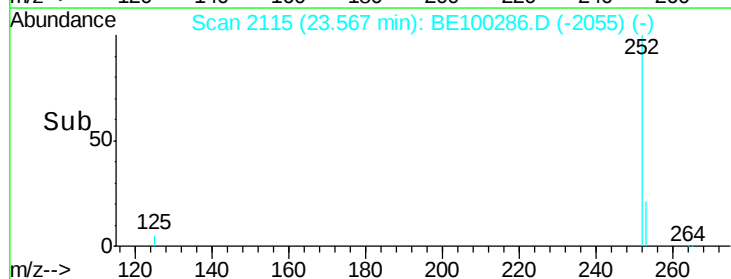
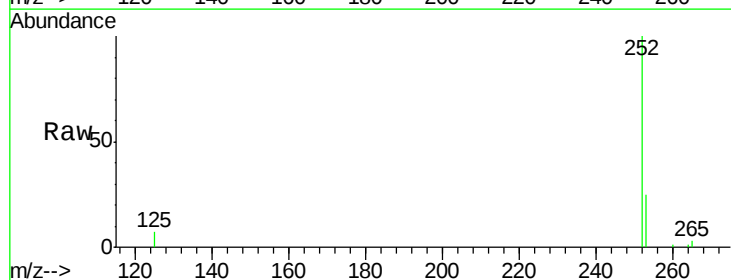
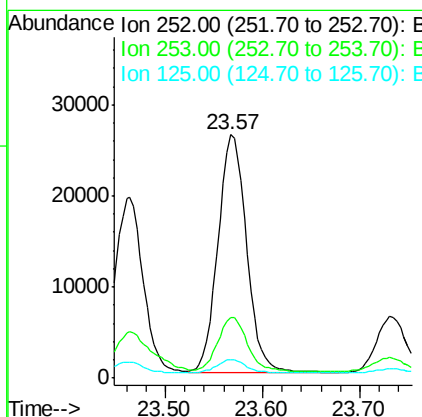
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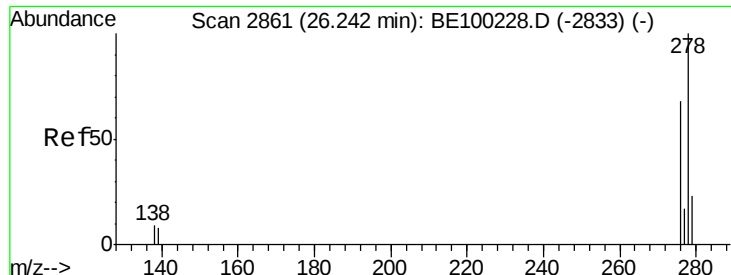
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#37
Benzo(a)pyrene
Concen: 1.832 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	7.5	9.0	13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.284 ng

RT: 26.25 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

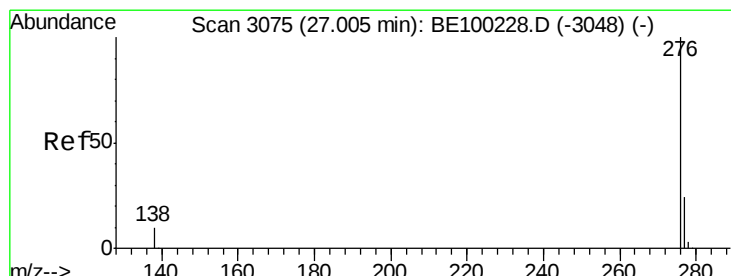
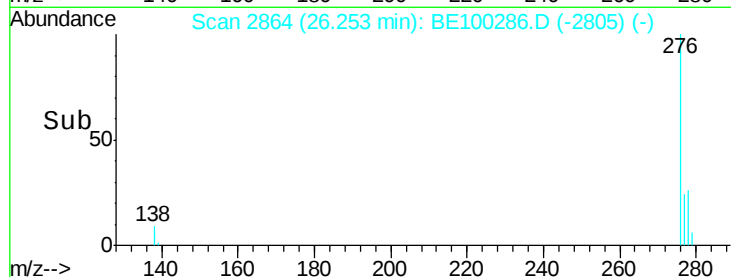
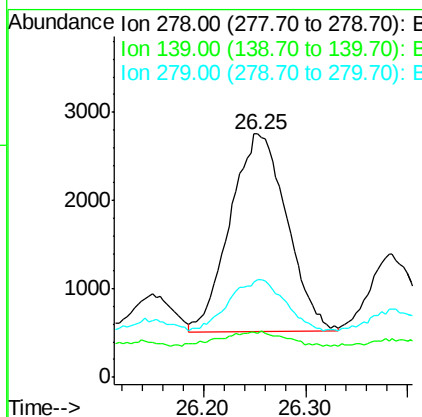
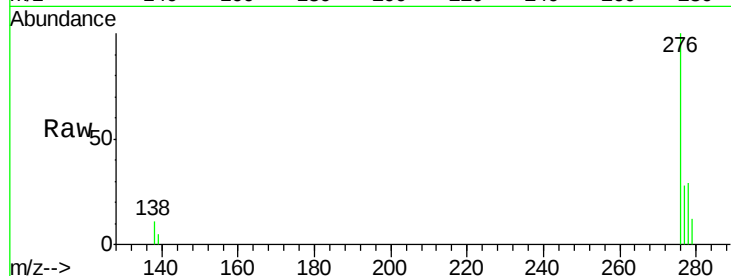
ClientSampleId :

EXT-008-SW123-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	8.2	12.2#
279	40.4	20.3	30.5#

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#39

Benzo(g,h,i)perylene

Concen: 1.091 ng

RT: 27.04 min Scan# 3084

Delta R.T. 0.03 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.2	30.2
138	11.6	9.0	13.6

