

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100269.D
 Acq On : 1 Jul 2019 17:16
 Operator : JU/SJ
 Sample : K3428-06DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319DL

Manual Integrations
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 7/3/2019 9:47:52 AM

Quant Time: Jul 02 03:30:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	842	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2975	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2386	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6720	0.40	ng	0.00
27) Chrysene-d12	21.24	240	8889	0.40	ng	0.00
34) Perylene-d12	23.67	264	10046	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	352	0.16	ng	0.00
5) Phenol-d6	6.82	99	455	0.16	ng	-0.01
8) Nitrobenzene-d5	8.82	82	458	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	1026	0.18	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	265	0.16	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1297	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	15609	0.16	ng	0.00
29) Terphenyl-d14	19.69	244	3532	0.19	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	4764	0.145	ng	# 97
12) 2-Methylnaphthalene	12.12	142	1008	0.175	ng	98
16) Acenaphthylene	14.04	152	6645	0.580	ng	98
17) Acenaphthene	14.38	154	810	0.125	ng	94
18) Fluorene	15.35	166	2735	0.285	ng	# 88
23) Phenanthrene	17.09	178	56178	3.449	ng	100
24) Anthracene	17.19	178	4956	0.338	ng	96
26) Fluoranthene	19.13	202	79586	3.068	ng	98
28) Pyrene	19.49	202	123646	5.254	ng	97
30) Benzo(a)anthracene	21.23	228	72068m	2.466	ng	
31) Chrysene	21.28	228	73738	2.512	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	10351	0.193	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.24	276	38509	0.992	ng	97
35) Benzo(b)fluoranthene	22.93	252	70115	2.574	ng	# 98
36) Benzo(k)fluoranthene	22.97	252	19576m	0.644	ng	
37) Benzo(a)pyrene	23.56	252	58913m	2.158	ng	
38) Dibenzo(a,h)anthracene	26.24	278	11489	0.403	ng	# 84
39) Benzo(a,h,i)perylene	27.02	276	44826	1.531	ng	99

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

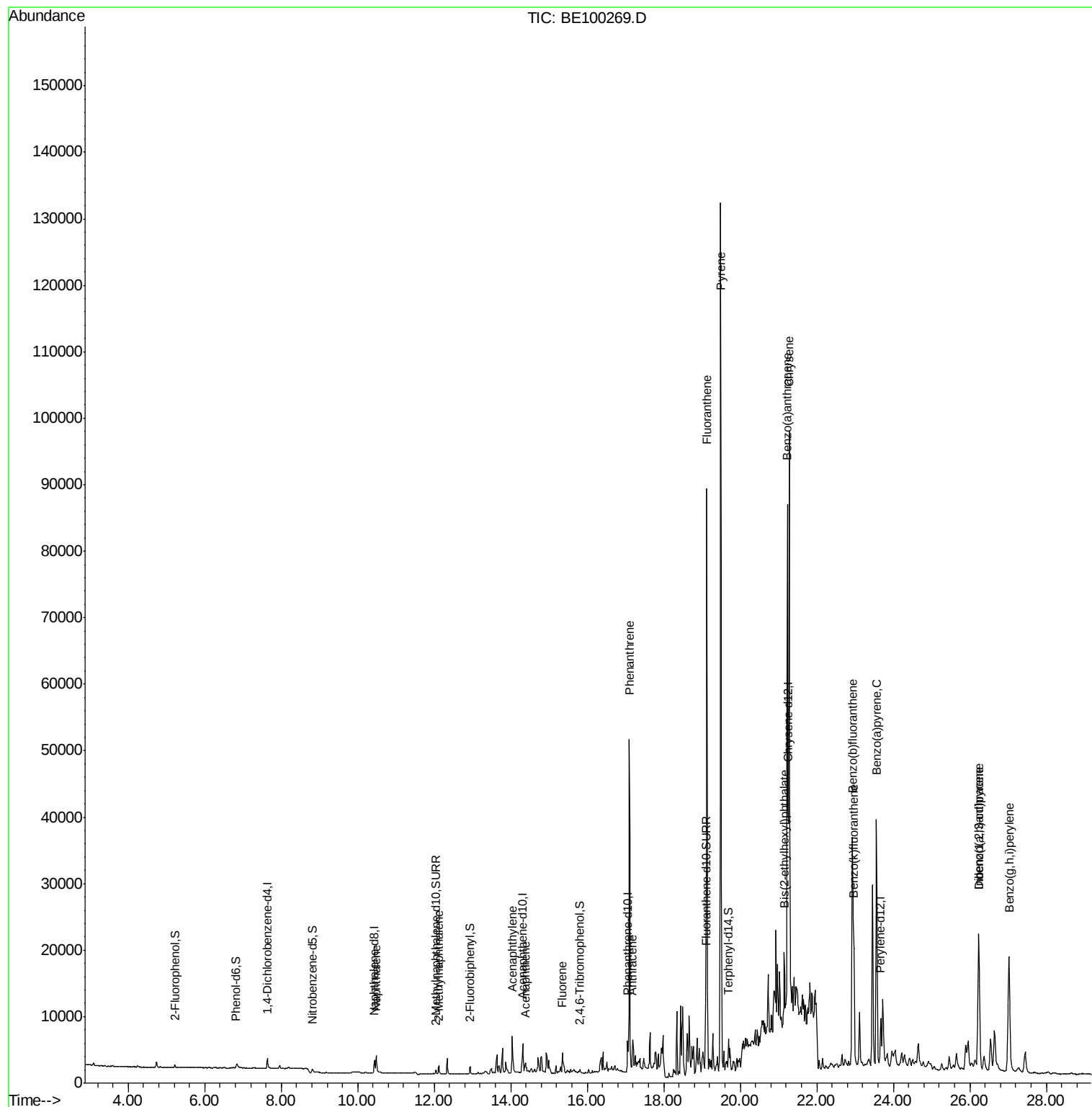
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
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Operator : JU/SJ
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast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

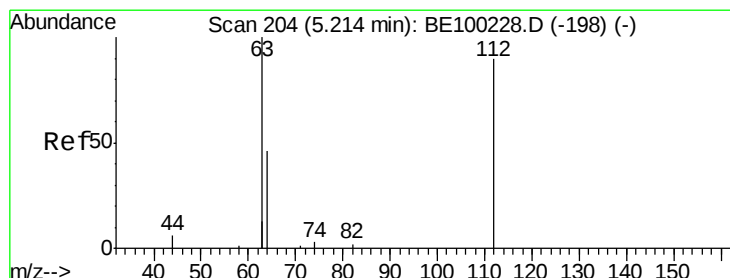
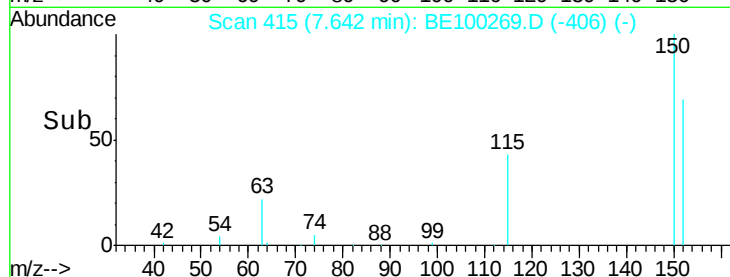
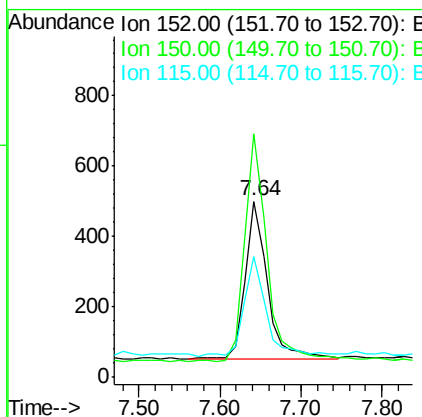
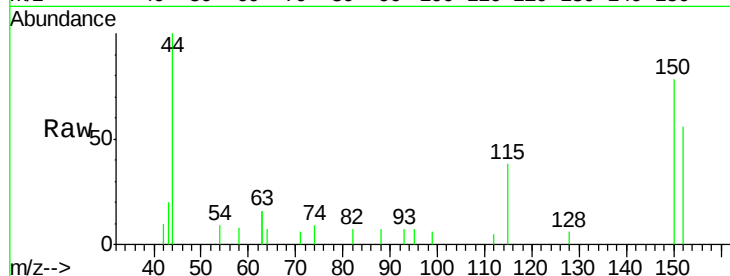
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.4	114.5	171.7
115	68.6	57.1	85.7

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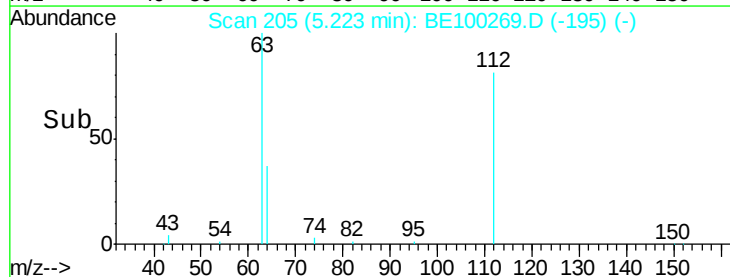
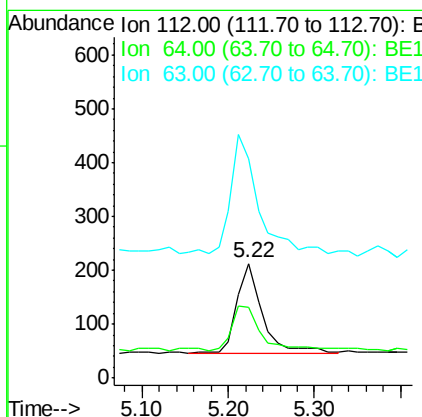
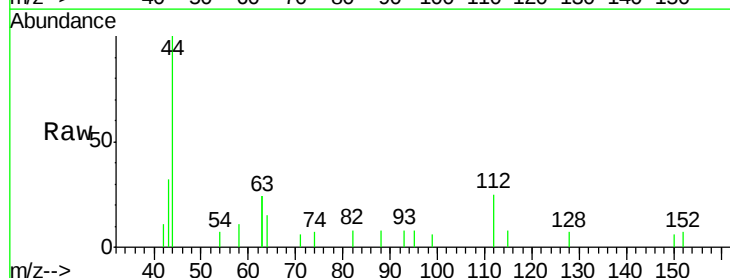
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#4

2-Fluorophenol
Concen: 0.164 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	39.4	59.0#
63	155.4	104.5	156.7





#5

Phenol-d6

Concen: 0.161 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Instrument :

BNA_E

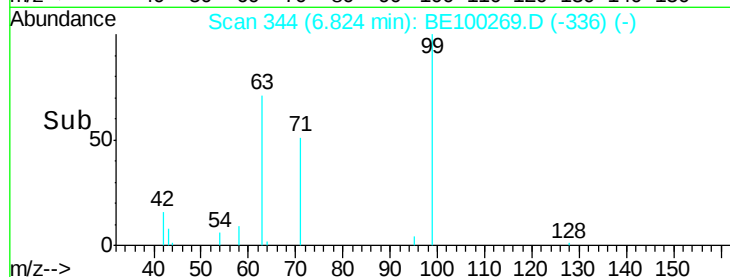
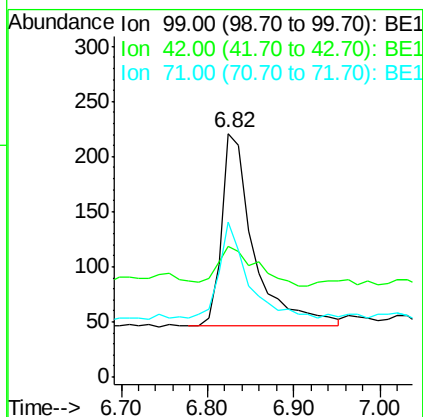
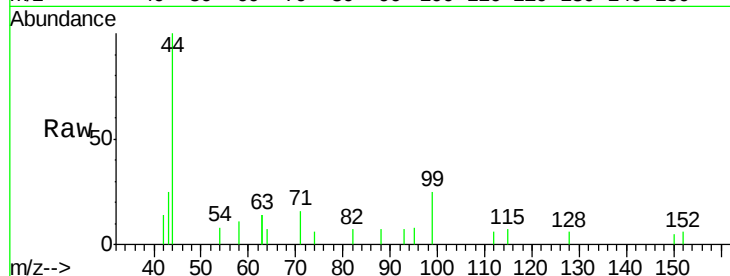
ClientSampleId :

EXT-013-SW160-061319DL

Tot Ion:	99	Resp:	455
Ion	Ratio	Lower	Upper
99	100		
42	24.8	11.2	16.8#
71	42.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

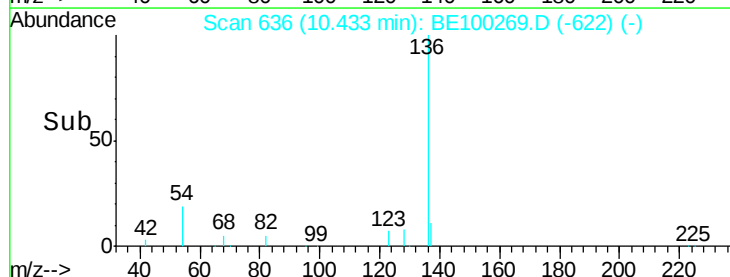
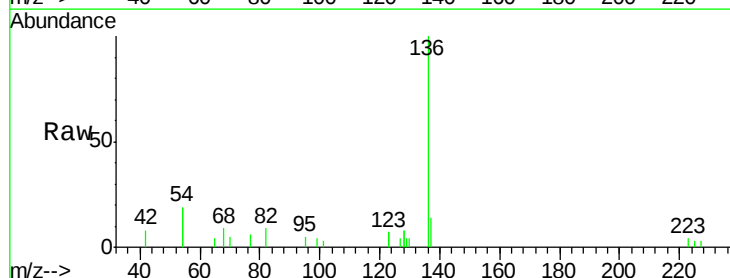
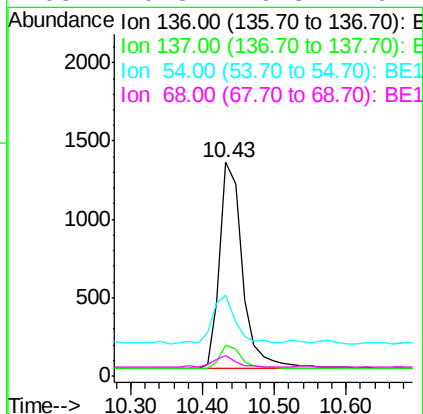
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Tgt Ion:	136	Resp:	2975
Ion	Ratio	Lower	Upper
136	100		
137	14.3	11.8	17.8
54	37.5	27.7	41.5
68	9.3	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.155 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Instrument :

BNA_E

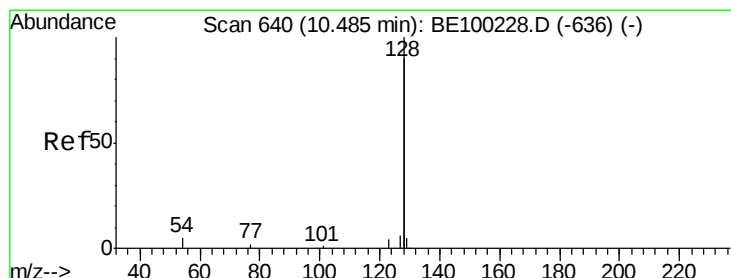
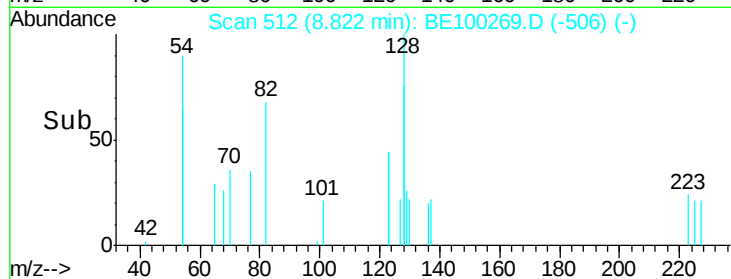
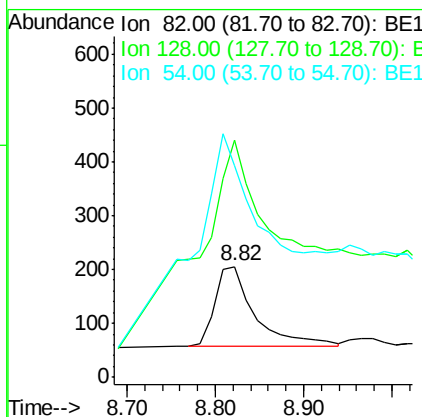
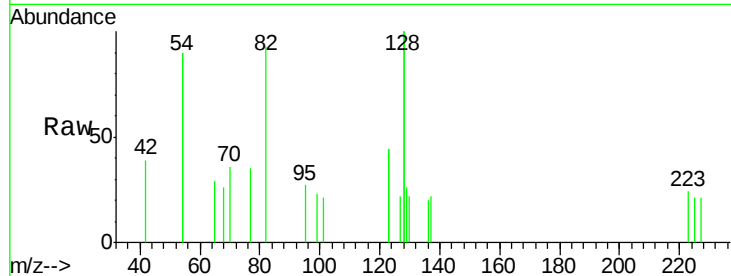
ClientSampleId :

EXT-013-SW160-061319DL

Tot Ion:	82	Resp:	458
Ion	Ratio	Lower	Upper
82	100		
128	214.6	140.9	211.3#
54	192.2	146.2	219.2

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#9

Naphthalene

Concen: 0.145 ng

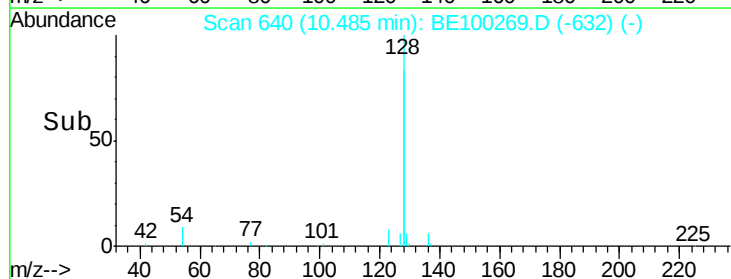
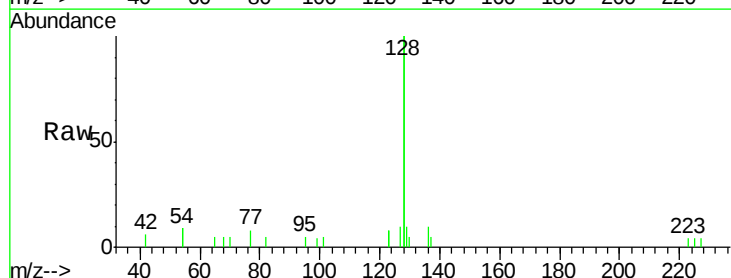
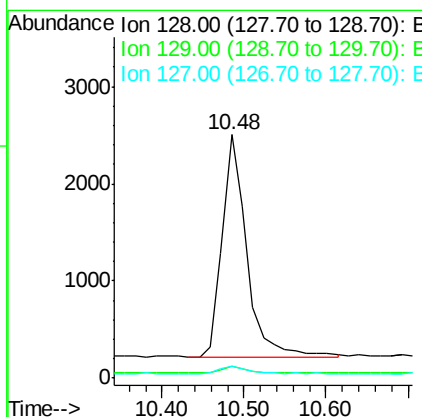
RT: 10.48 min Scan# 640

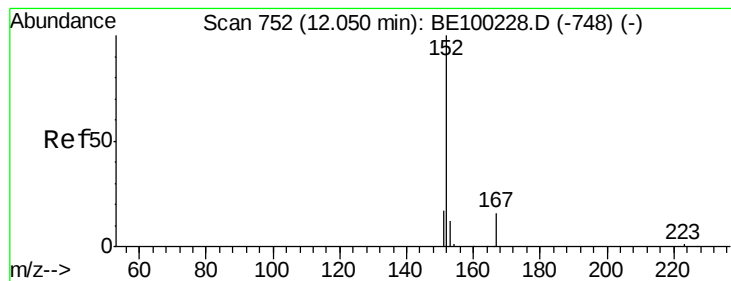
Delta R.T. 0.00 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Tgt Ion:	128	Resp:	4764
Ion	Ratio	Lower	Upper
128	100		
129	5.0	3.0	4.6#
127	4.9	3.5	5.3





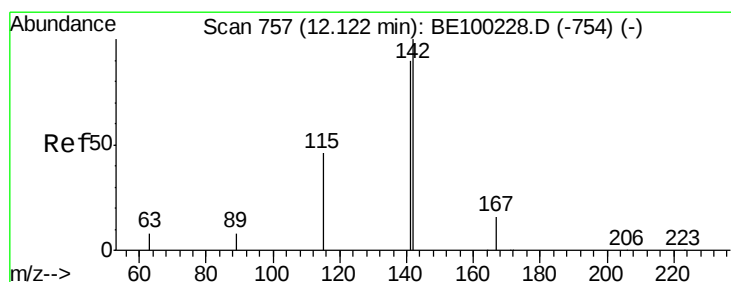
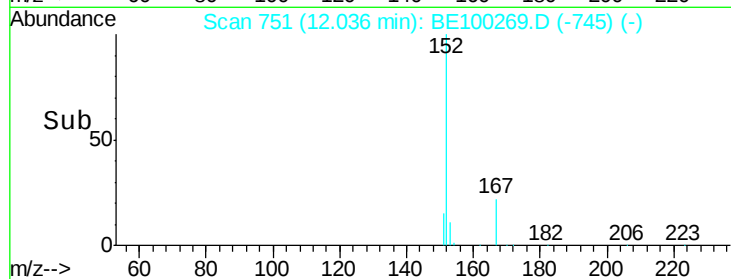
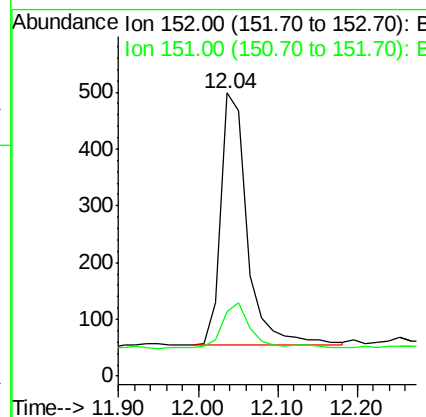
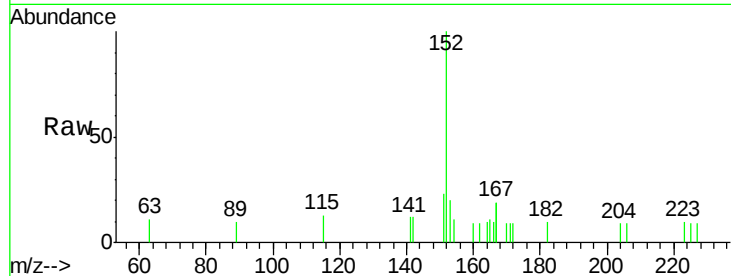
#11
2-Methylnaphthalene-d10
Concen: 0.183 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion:152 Resp: 1026
Ion Ratio Lower Upper
152 100
151 18.0 15.1 22.7

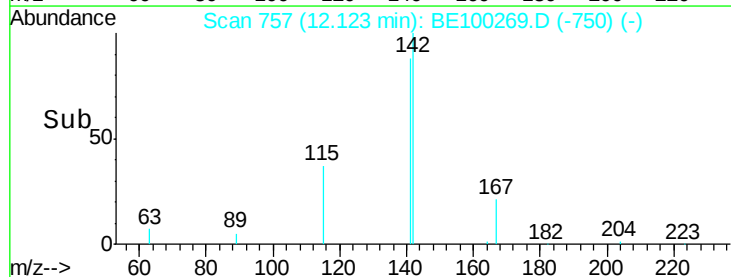
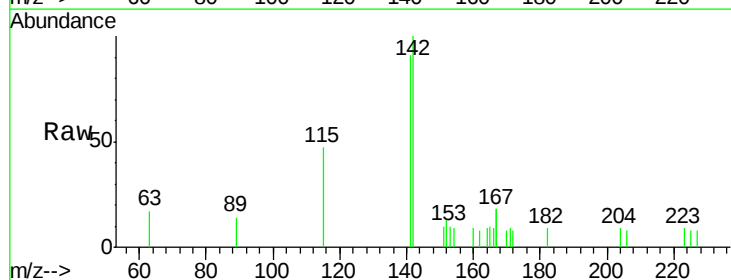
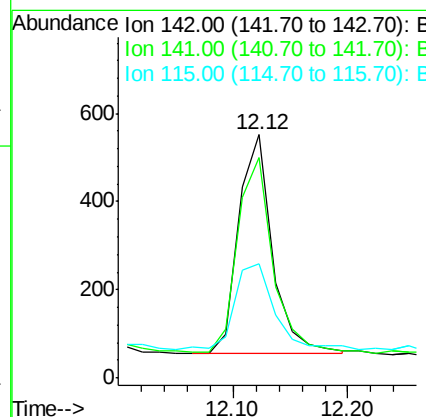
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#12
2-Methylnaphthalene
Concen: 0.175 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion:142 Resp: 1008
Ion Ratio Lower Upper
142 100
141 90.6 72.4 108.6
115 47.1 40.4 60.6





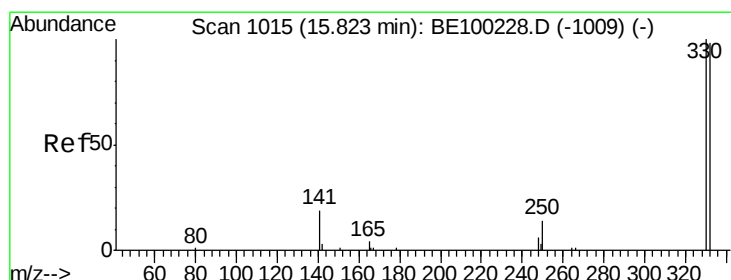
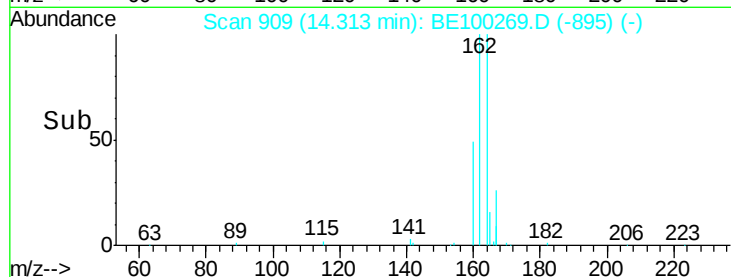
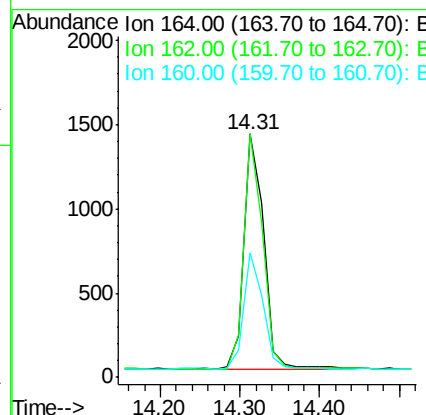
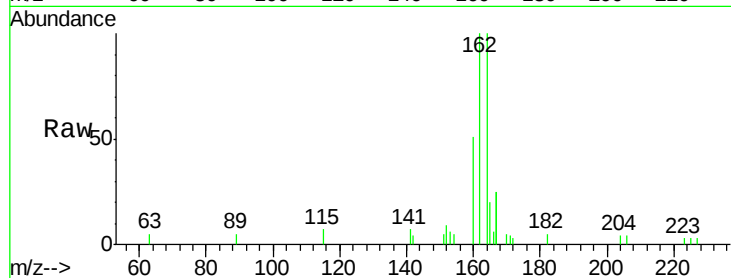
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	83.4	125.0
160	51.2	45.0	67.6

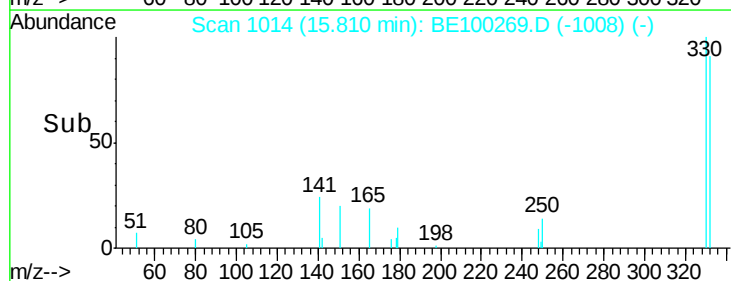
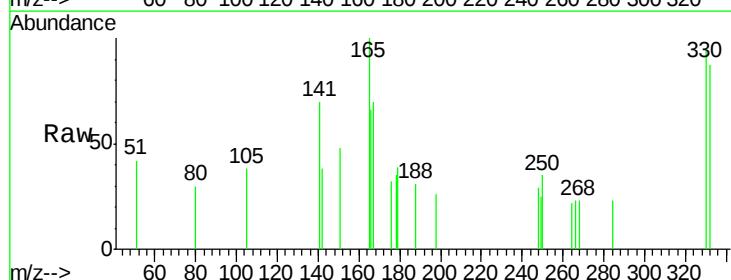
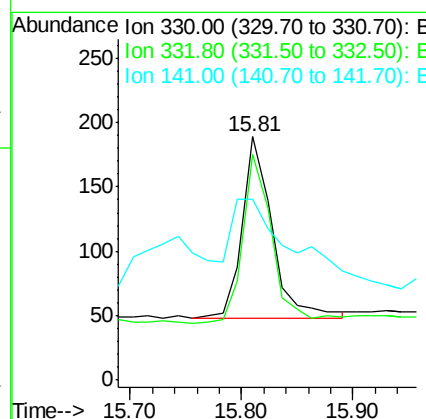
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#14
2,4,6-Tribromophenol
Concen: 0.159 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.1	77.0	115.4
141	102.3	22.0	33.0#





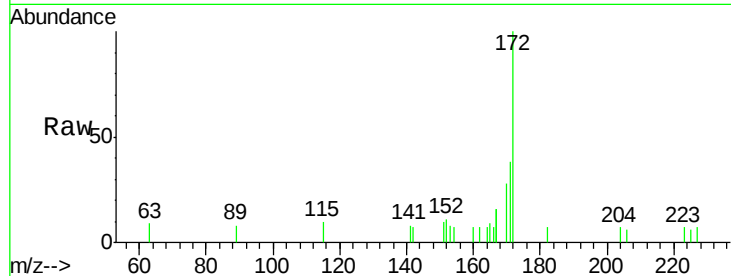
#15
2-Fluorobiphenyl
Concen: 0.140 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

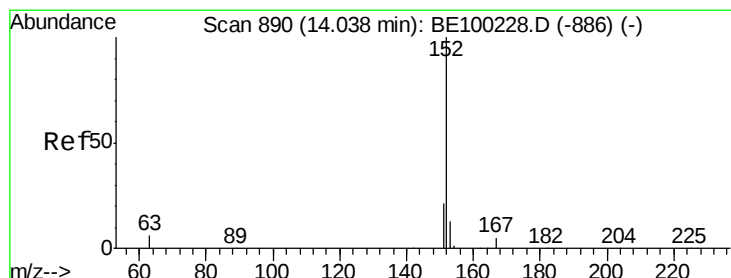
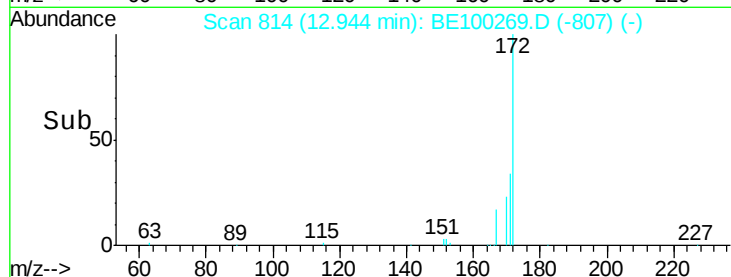
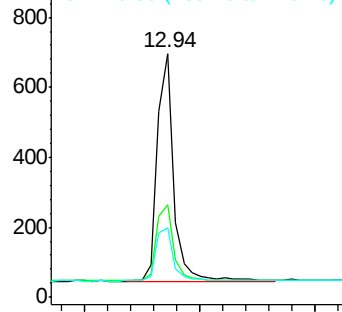
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.9	47.9
170	28.4	22.2	33.2

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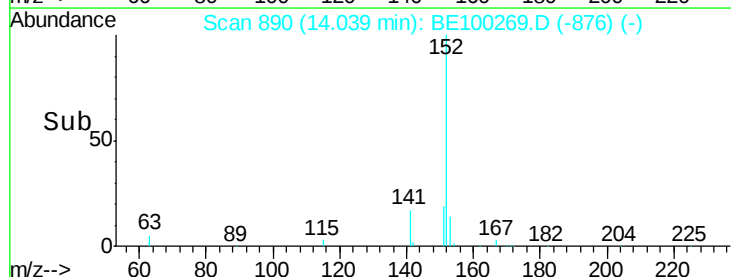
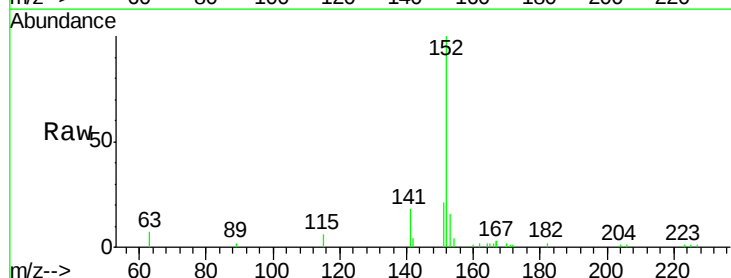
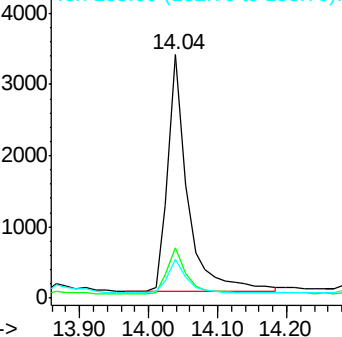
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

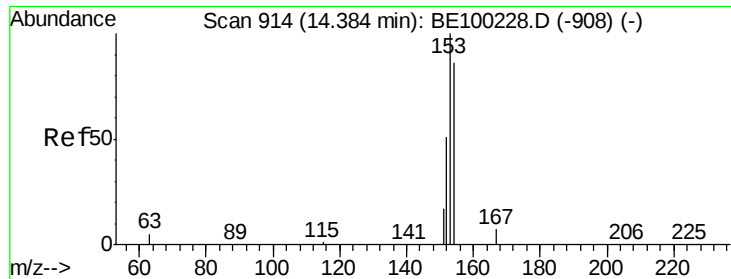


#16
Acenaphthylene
Concen: 0.580 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	14.0	10.5	15.7

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





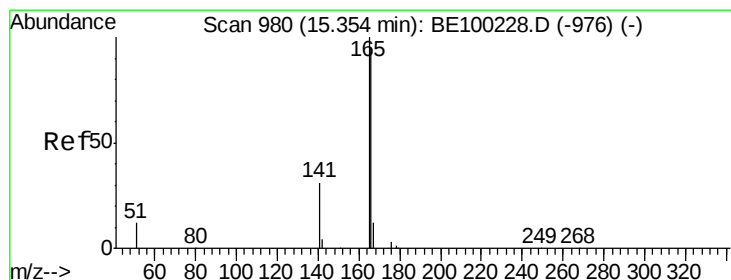
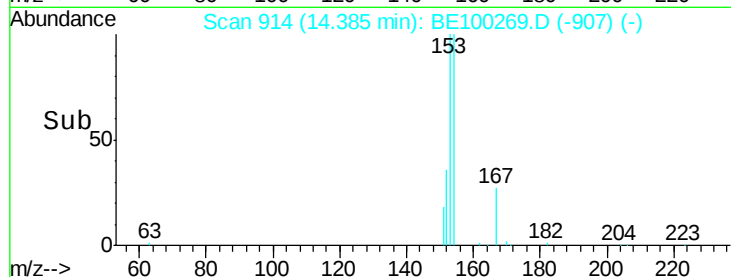
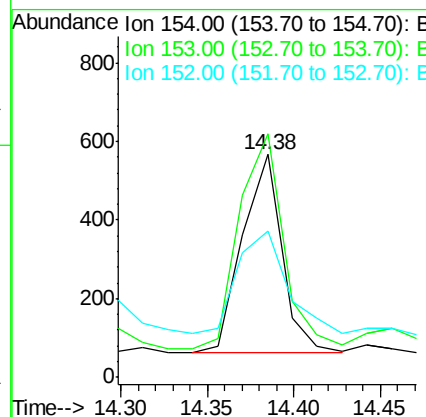
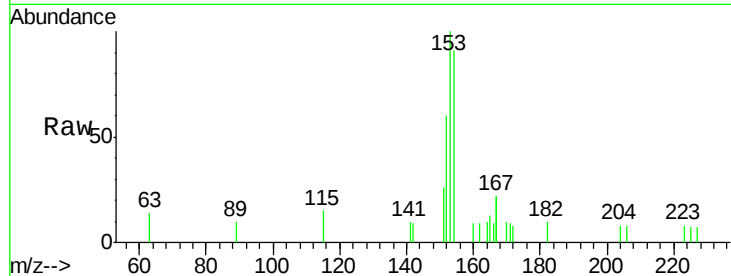
#17
Acenaphthene
Concen: 0.125 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.0	93.4	140.2
152	68.5	49.4	74.2

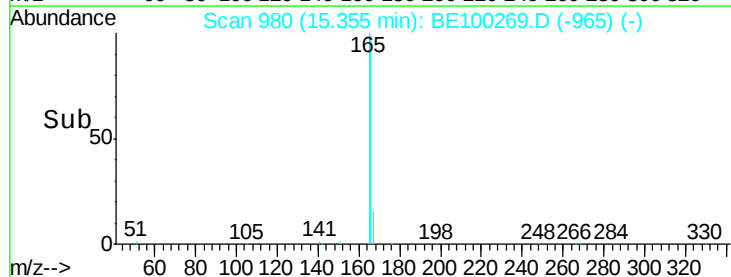
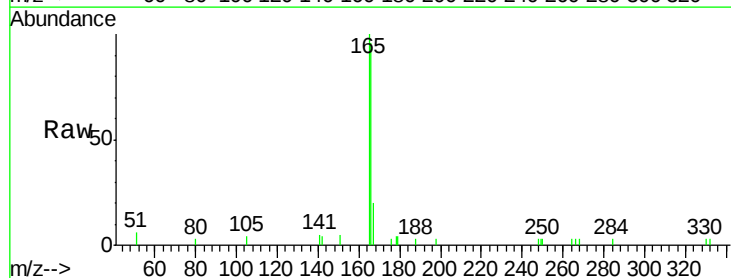
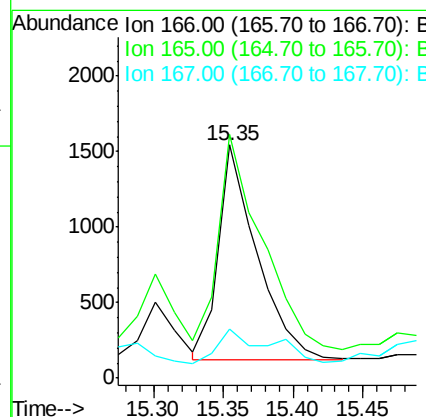
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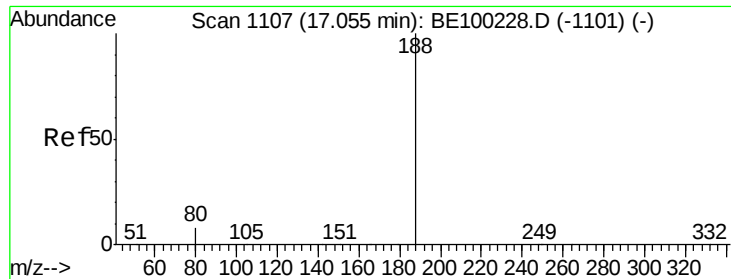
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#18
Fluorene
Concen: 0.285 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.0	81.1	121.7
167	21.9	10.7	16.1#





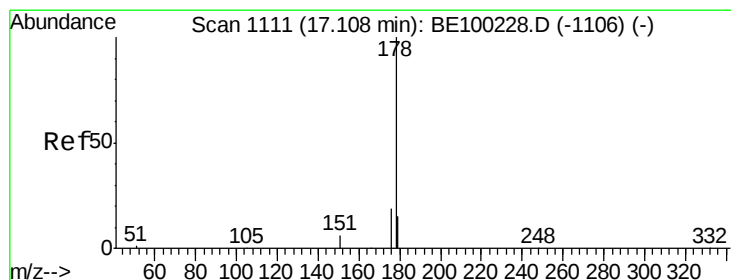
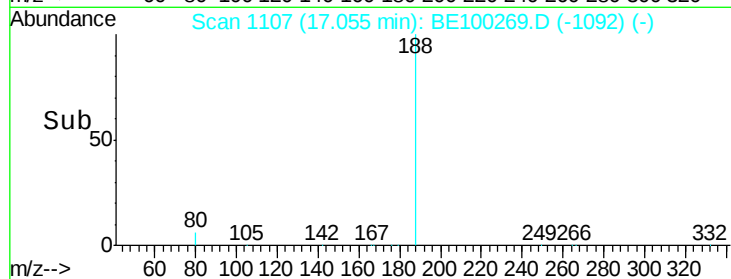
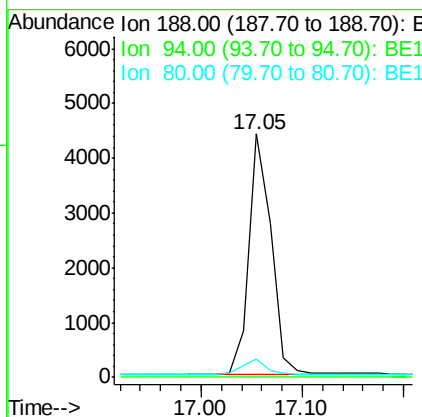
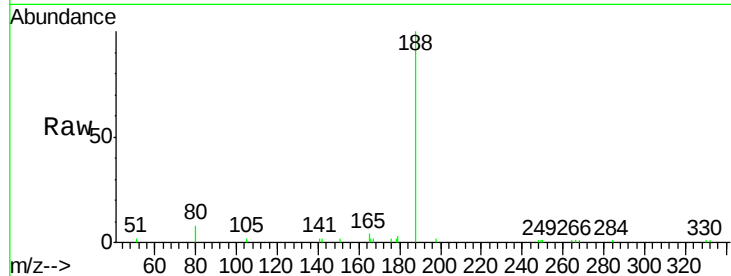
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6720		
94	0.0	0.0	0.0	
80	7.5	7.6	11.4	

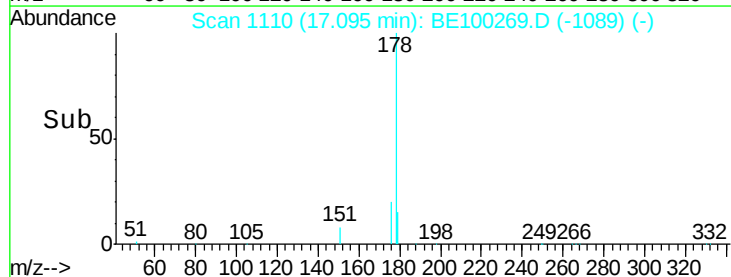
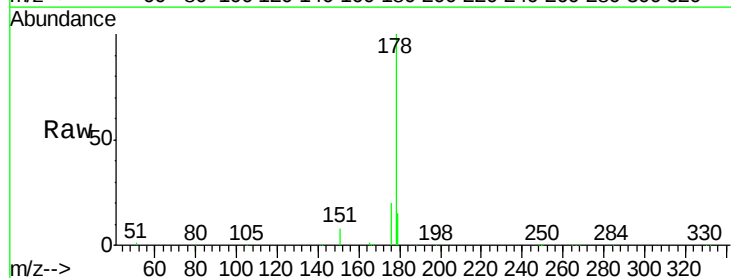
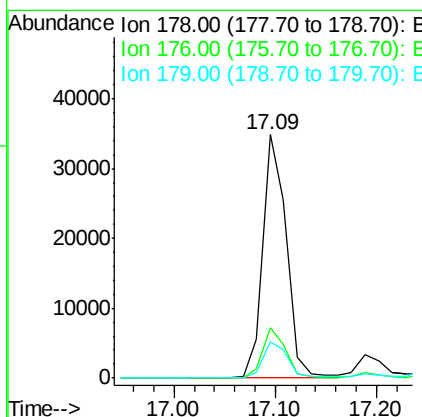
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#23
Phenanthrene
Concen: 3.449 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	56178		
176	19.8	15.9	23.9	
179	15.6	12.2	18.2	





#24

Anthracene

Concen: 0.338 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Instrument :

BNA_E

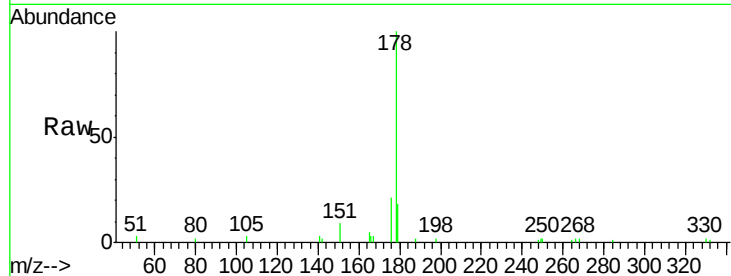
ClientSampleId :

EXT-013-SW160-061319DL

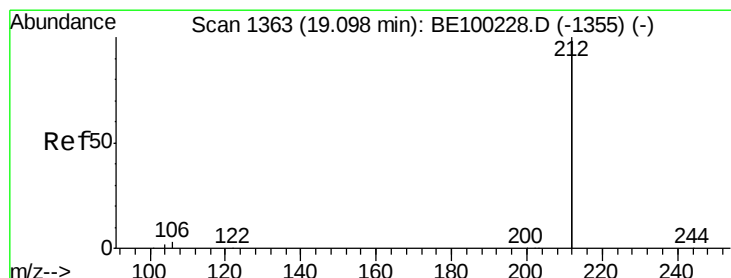
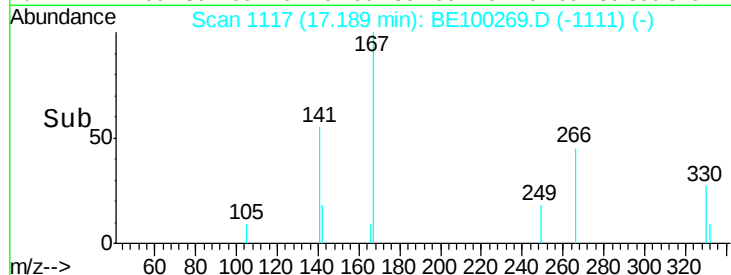
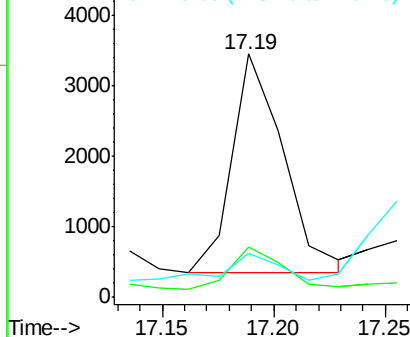
Tot Ion:	178	Resp:	4956
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	12.4	12.2	18.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.160 ng

RT: 19.10 min Scan# 1363

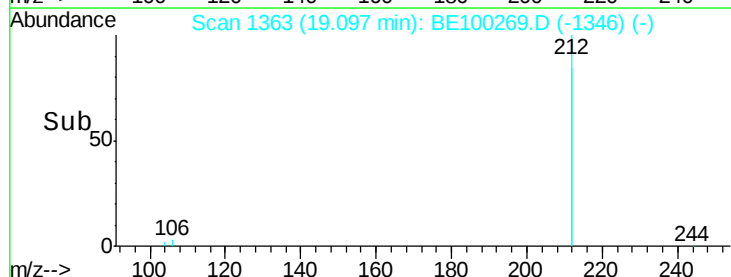
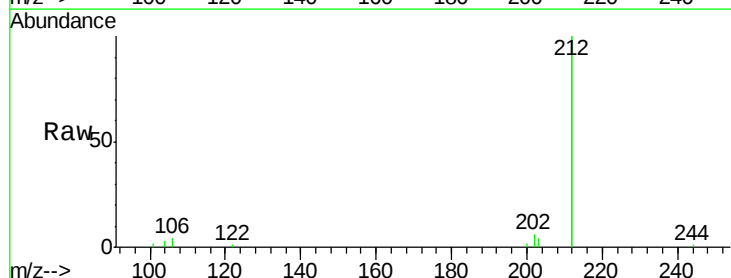
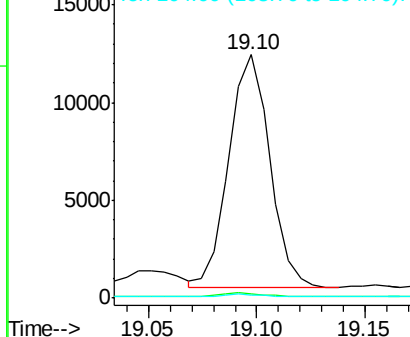
Delta R.T. -0.00 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Tgt Ion:	212	Resp:	15609
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2

Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





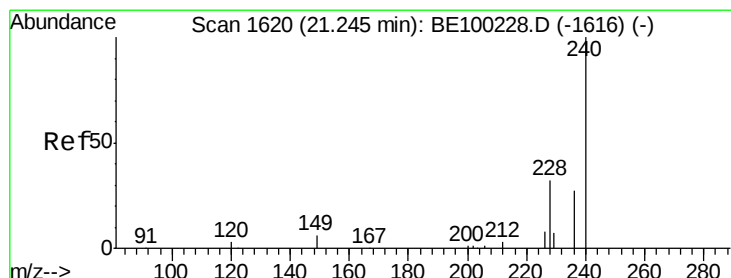
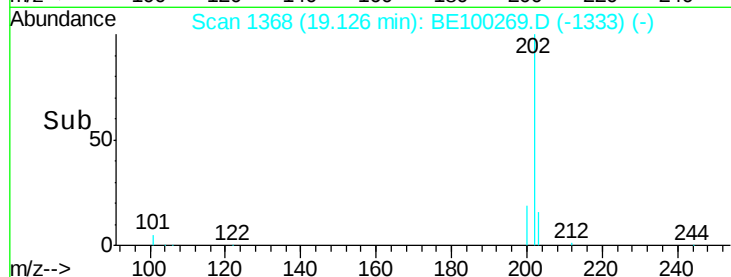
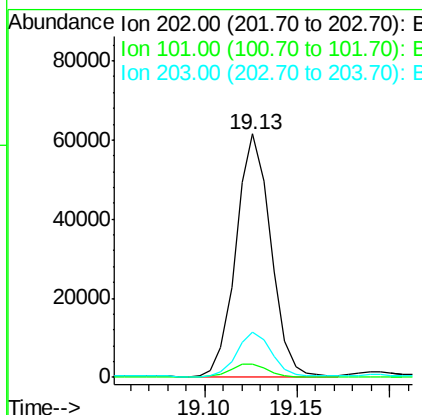
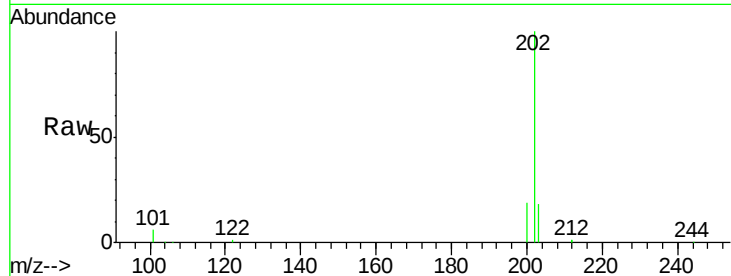
#26
 Fluoranthene
 Concen: 3.068 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: BE100269.D
 Acq: 1 Jul 2019 17:16

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	18.2	13.7	20.5

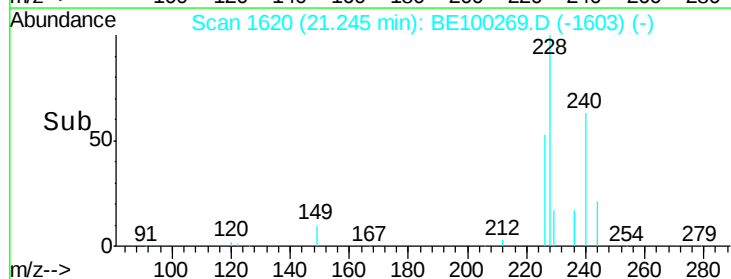
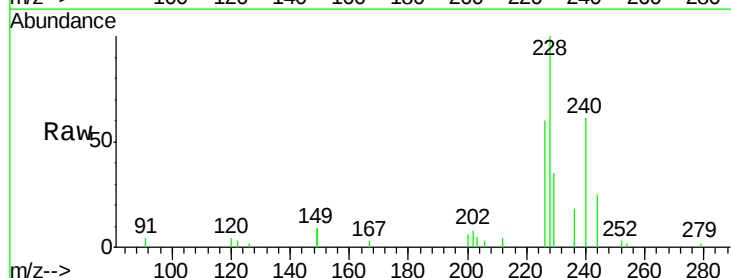
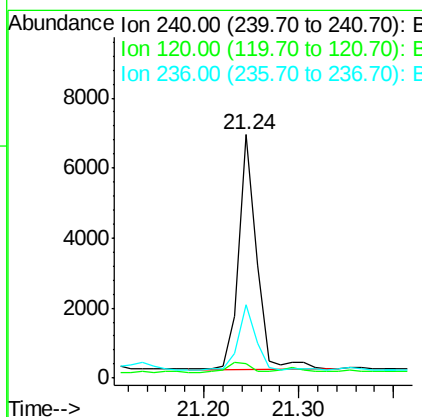
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE100269.D
 Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	3.3	4.9#
236	30.0	22.6	34.0





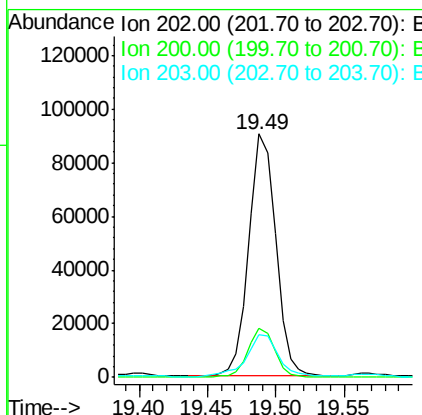
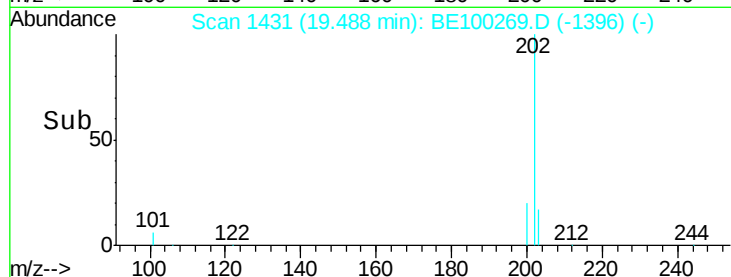
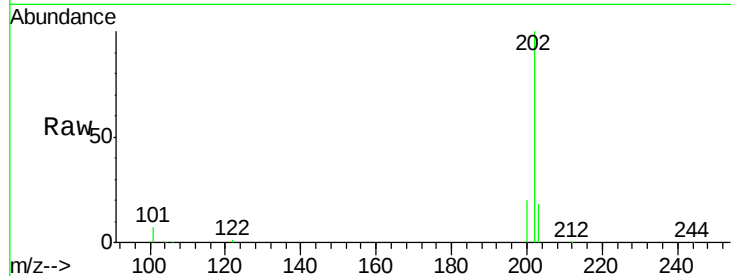
#28
Pvrene
Concen: 5.254 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.7	15.6	23.4
203	20.4	14.0	21.0

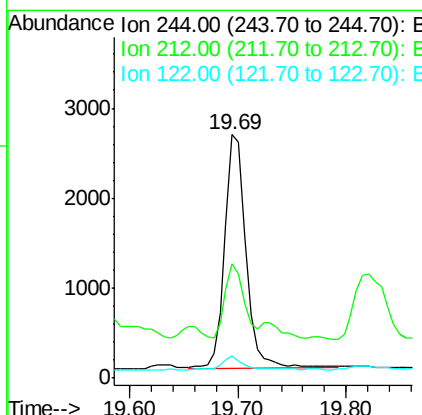
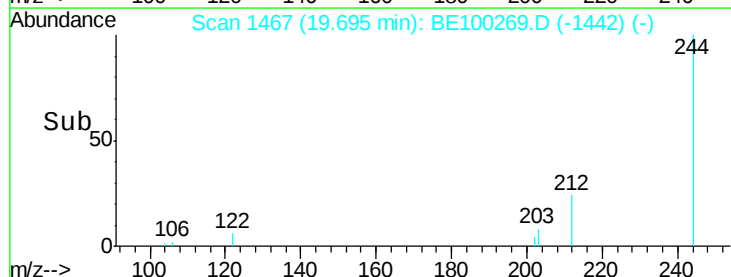
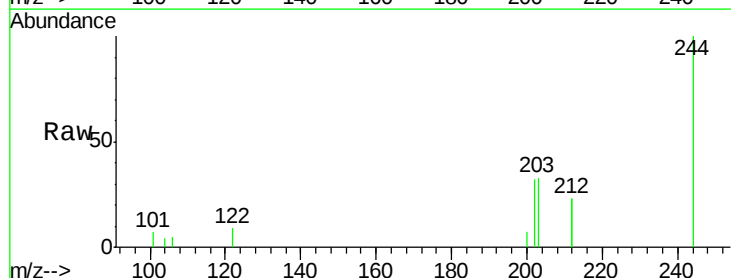
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#29
Terphenyl-d14
Concen: 0.192 ng
RT: 19.69 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	46.9	27.3	40.9#
122	9.2	4.7	7.1#





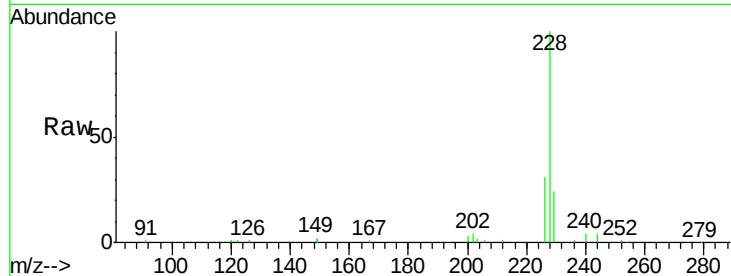
#30
Benzo(a)anthracene
Concen: 2.466 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

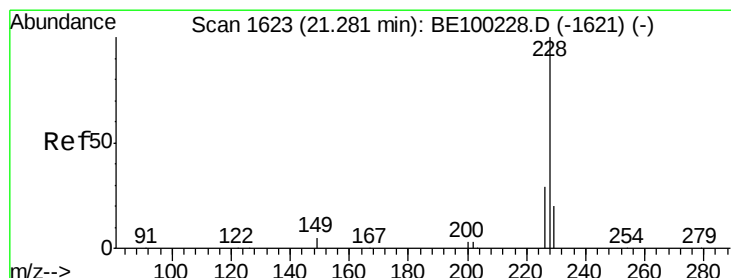
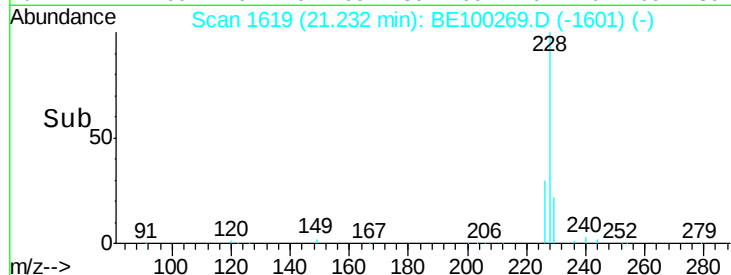
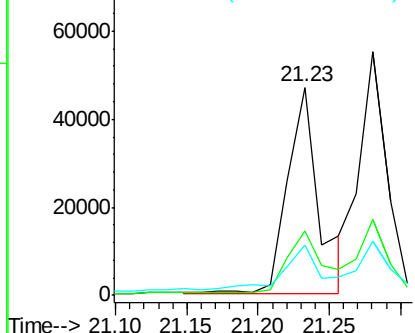
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.2	34.8
229	24.1	15.7	23.5

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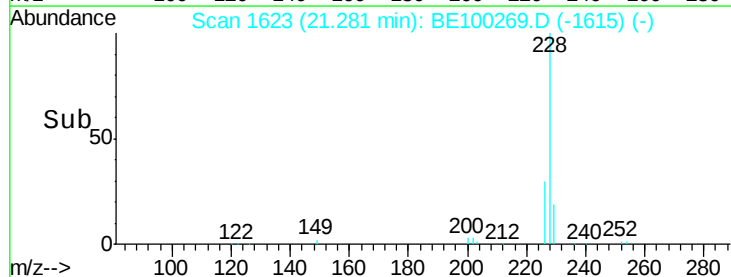
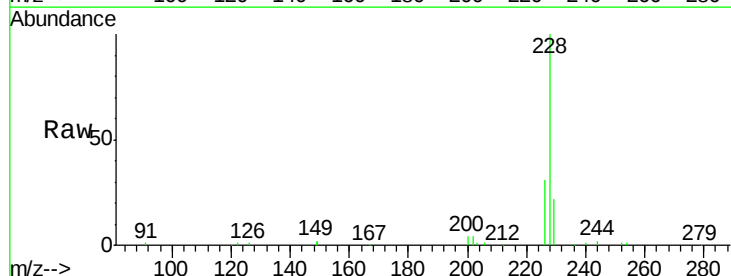
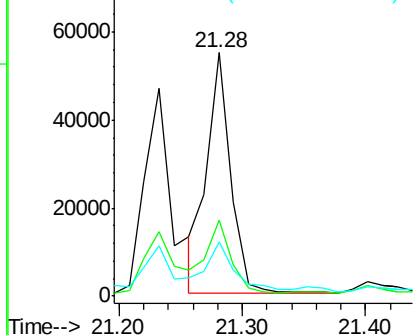
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

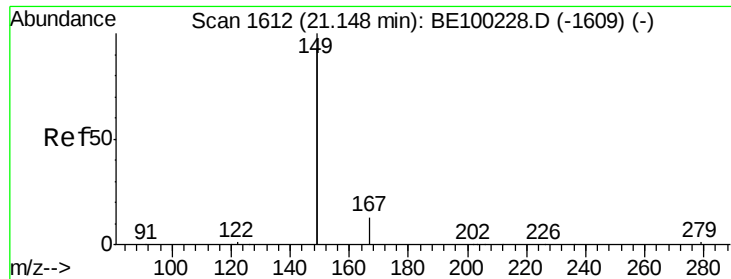


#31
Chrysene
Concen: 2.512 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	22.3	16.5	24.7

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





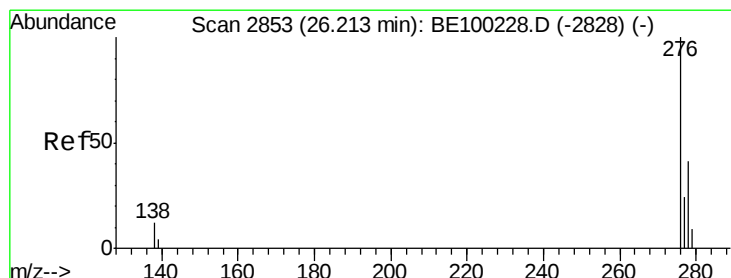
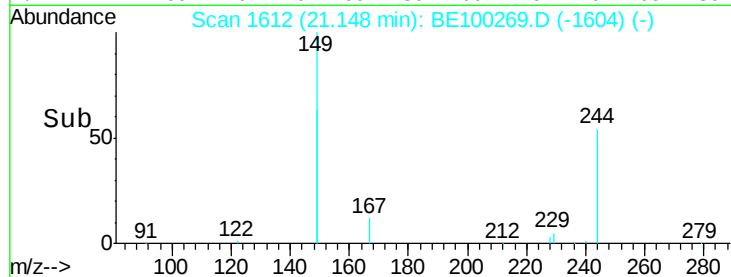
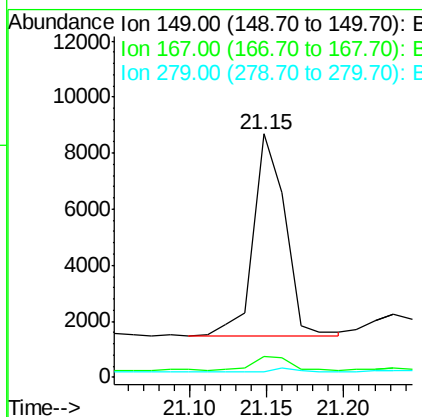
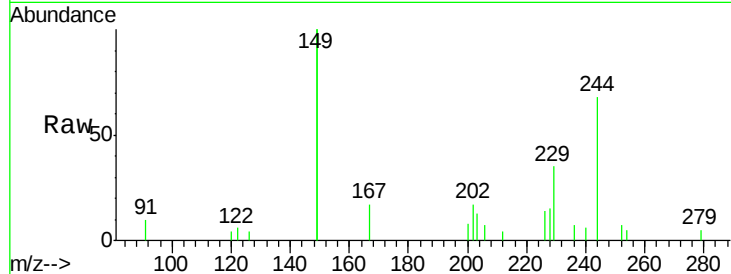
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.193 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.8
279	2.0	1.1	1.7#

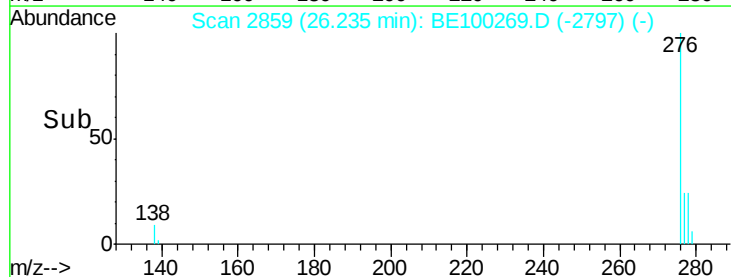
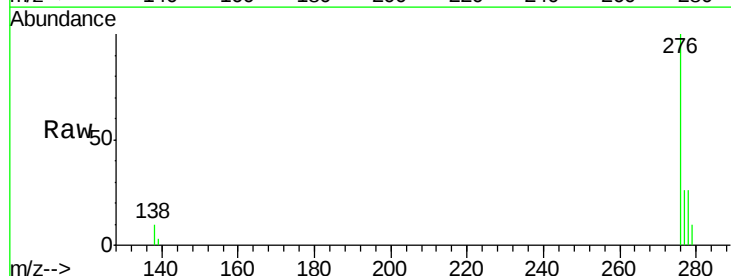
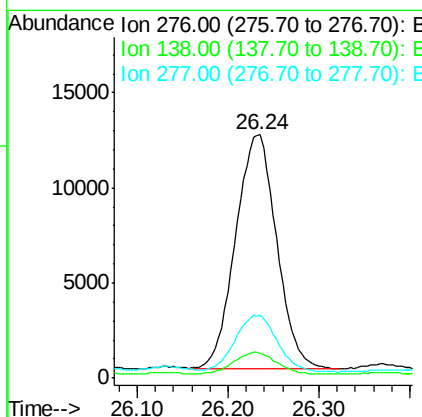
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.992 ng
RT: 26.24 min Scan# 2859
Delta R.T. 0.02 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.7	9.4	14.0
277	25.1	19.2	28.8





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Instrument :

BNA_E

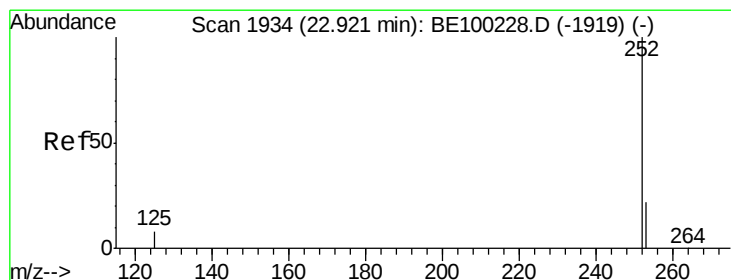
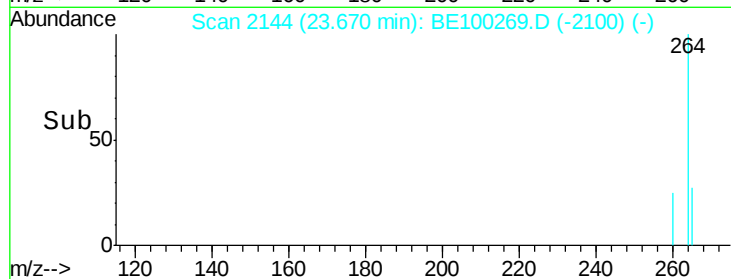
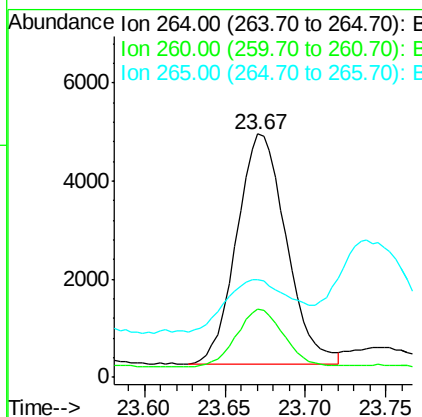
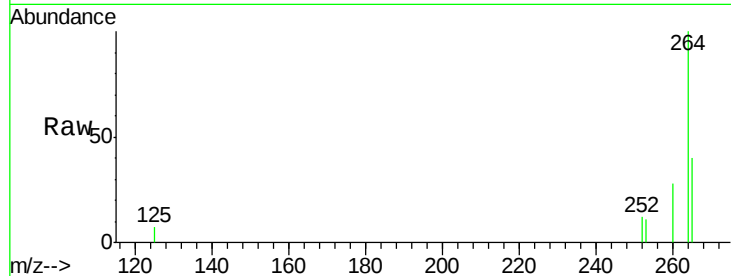
ClientSampleId :

EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	39.9	21.8	32.6

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#35

Benzo(b)fluoranthene

Concen: 2.574 ng

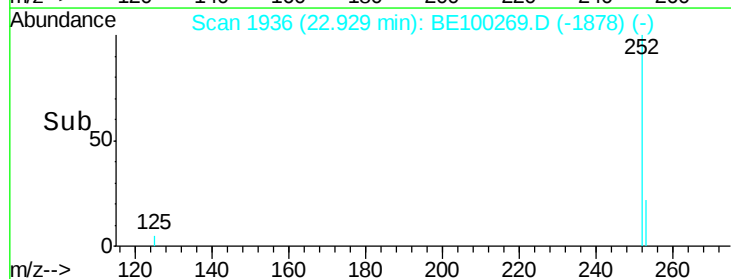
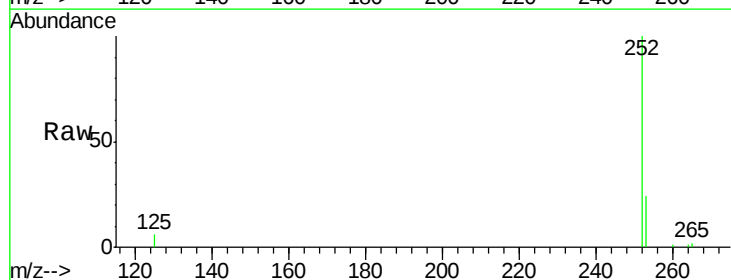
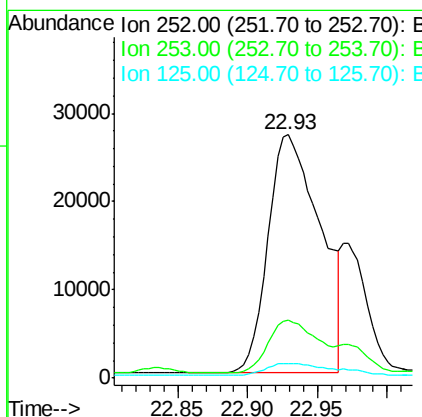
RT: 22.93 min Scan# 1936

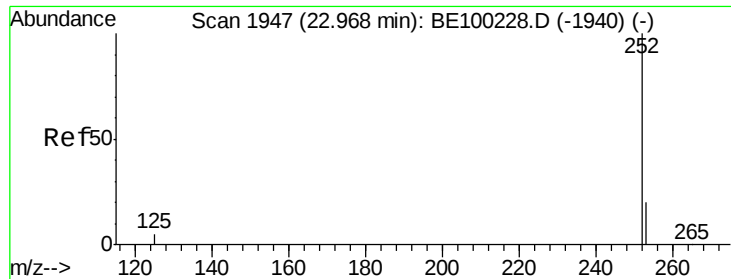
Delta R.T. 0.01 min

Lab File: BE100269.D

Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.2	28.8
125	6.2	7.4	11.0





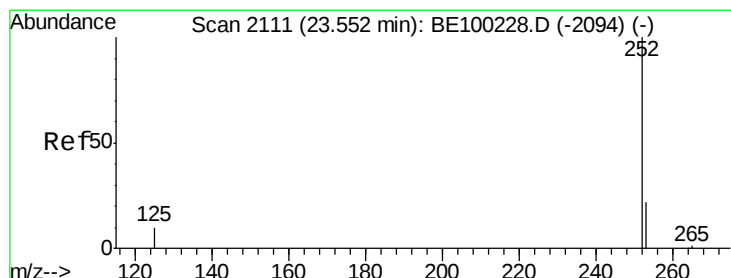
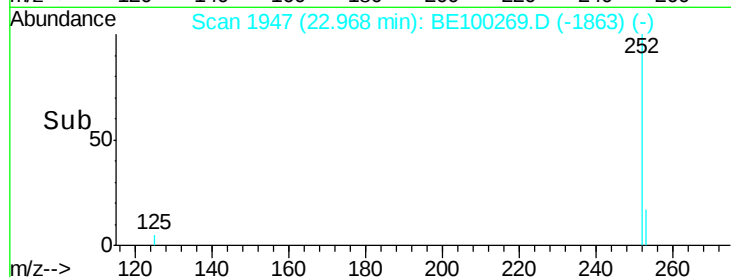
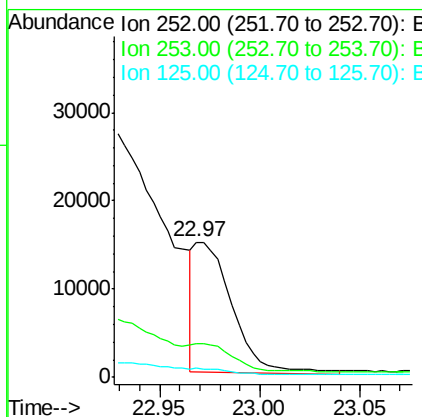
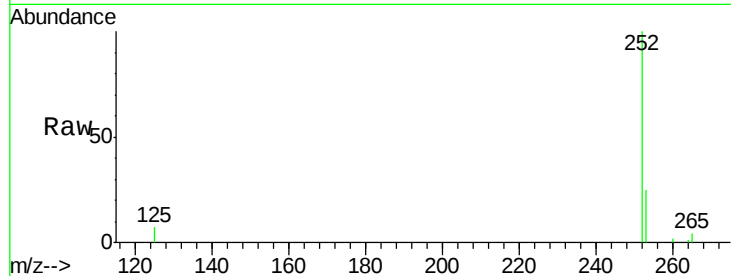
#36
Benzo(k)fluoranthene
Concen: 0.644 ng m
RT: 22.97 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	6.7	5.0	7.4

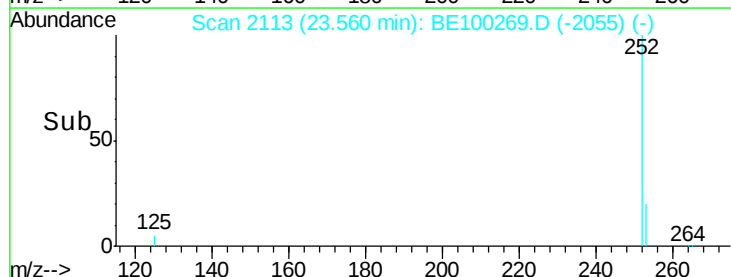
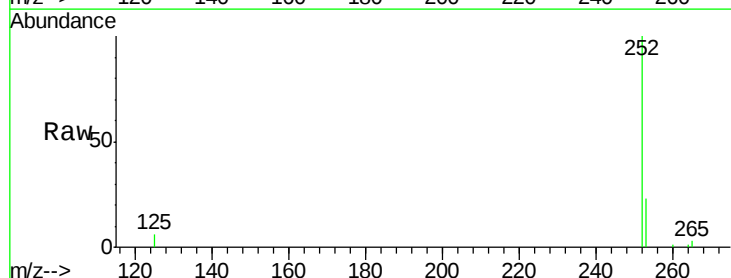
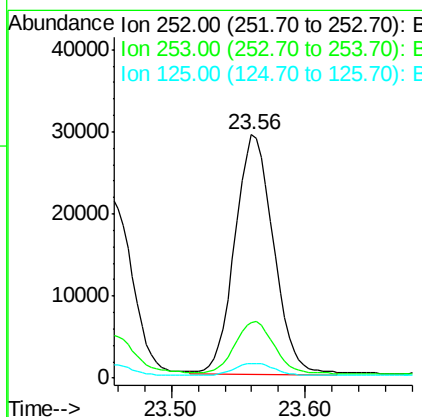
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#37
Benzo(a)pyrene
Concen: 2.158 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.6	29.4
125	6.2	9.0	13.6





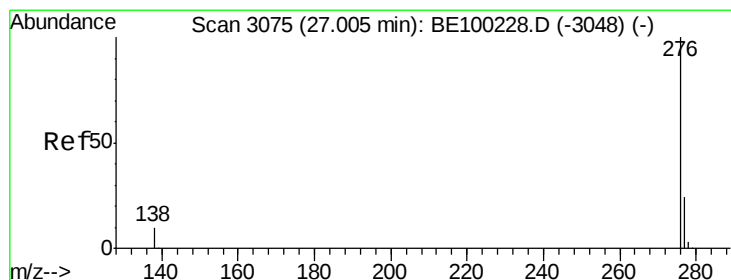
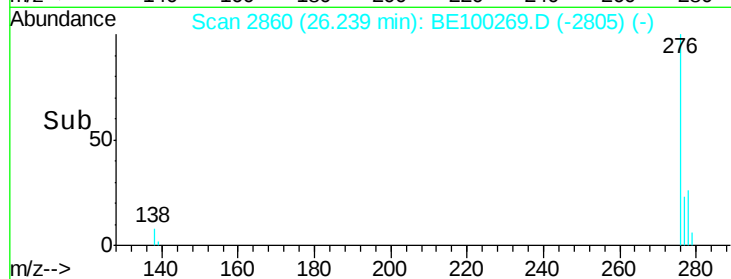
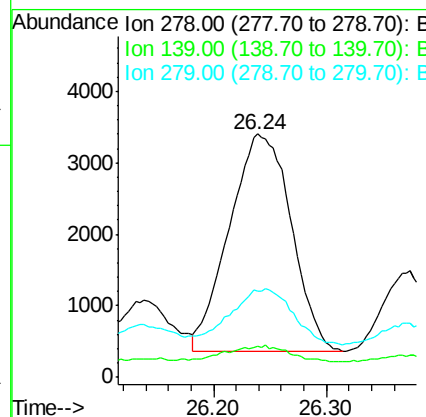
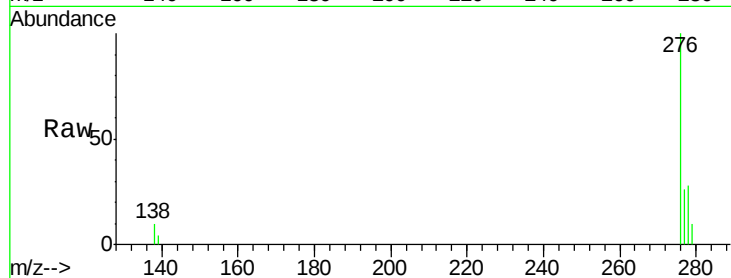
#38
Dibenzo(a,h)anthracene
Concen: 0.403 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.8	8.2	12.2#
279	35.4	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 1.531 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100269.D
Acq: 1 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	10.4	9.0	13.6

