

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100272.D
 Acq On : 1 Jul 2019 19:07
 Operator : JU/SJ
 Sample : K3428-09DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW163-061319DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:01 AM

Quant Time: Jul 02 03:40:33 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	849	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3094	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2451	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6743	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8870	0.40	ng	0.00
34) Perylene-d12	23.67	264	9905	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	151	0.07	ng	0.00
5) Phenol-d6	6.84	99	176	0.06	ng	0.00
8) Nitrobenzene-d5	8.82	82	195	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	453	0.08	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	106	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	534	0.06	ng	0.00
25) Fluoranthene-d10	19.10	212	6531	0.07	ng	0.00
29) Terphenyl-d14	19.69	244	2045	0.11	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.48	128	2133	0.063	ng	# 92
12) 2-Methylnaphthalene	12.12	142	348	0.058	ng	96
16) Acenaphthylene	14.04	152	1758	0.149	ng	96
17) Acenaphthene	14.38	154	552	0.083	ng	96
18) Fluorene	15.35	166	1197	0.121	ng	# 94
23) Phenanthrene	17.10	178	28868	1.766	ng	99
24) Anthracene	17.19	178	4287	0.291	ng	97
26) Fluoranthene	19.13	202	60534	2.325	ng	99
28) Pyrene	19.49	202	60684	2.584	ng	97
30) Benzo(a)anthracene	21.23	228	38526m	1.321	ng	
31) Chrysene	21.28	228	35153	1.200	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	5603m	0.078	ng	
33) Indeno(1,2,3-cd)pyrene	26.22	276	21042	0.543	ng	97
35) Benzo(b)fluoranthene	22.93	252	41398	1.542	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	14151m	0.472	ng	
37) Benzo(a)pyrene	23.56	252	29294	1.088	ng	# 96
38) Dibenzo(a,h)anthracene	26.24	278	5695	0.203	ng	# 79
39) Benzo(a,h,i)perylene	27.02	276	21656	0.750	ng	99

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

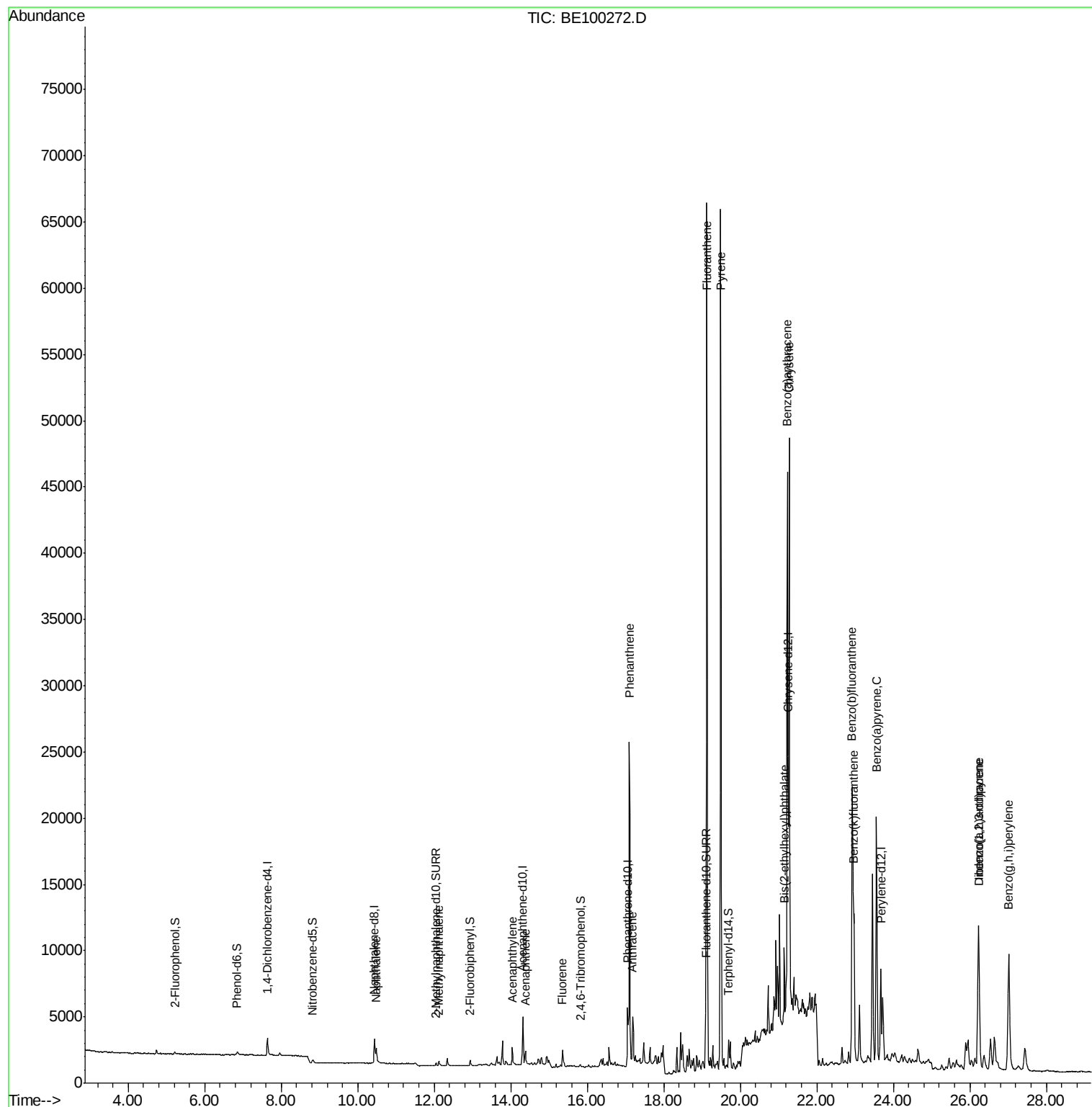
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100272.D
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Operator : JU/SJ
Sample : K3428-09DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

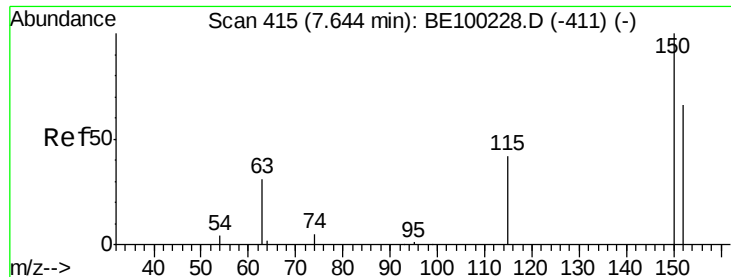
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

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7/3/2019 9:48:01 AM

Quant Time: Jul 02 03:40:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

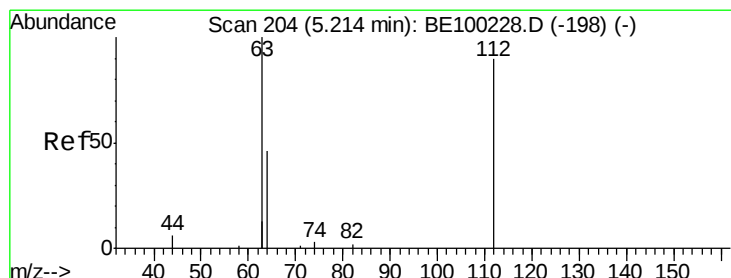
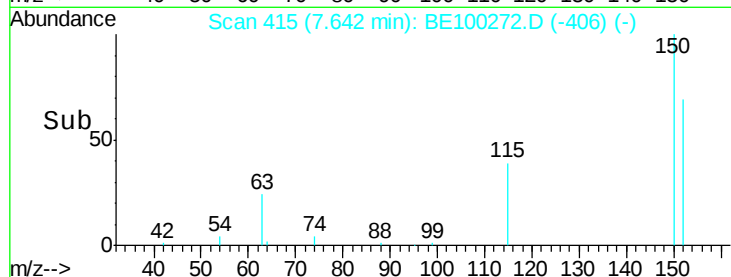
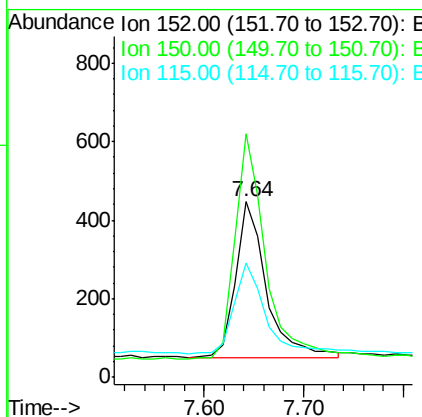
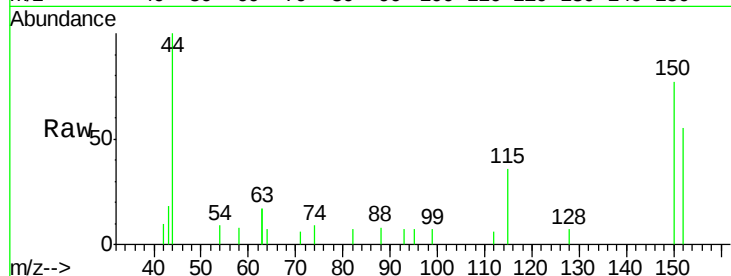
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.0	114.5	171.7
115	65.0	57.1	85.7

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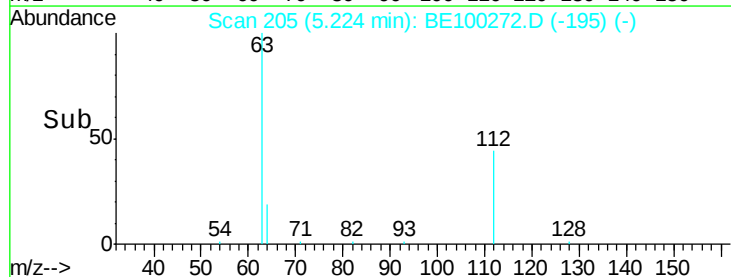
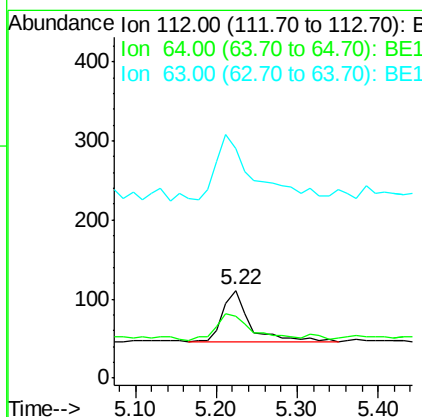
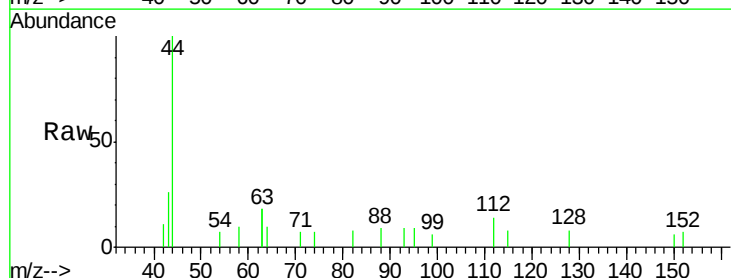
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#4

2-Fluorophenol
Concen: 0.070 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	39.4	59.0#
63	170.2	104.5	156.7#





#5

Phenol-d6

Concen: 0.062 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

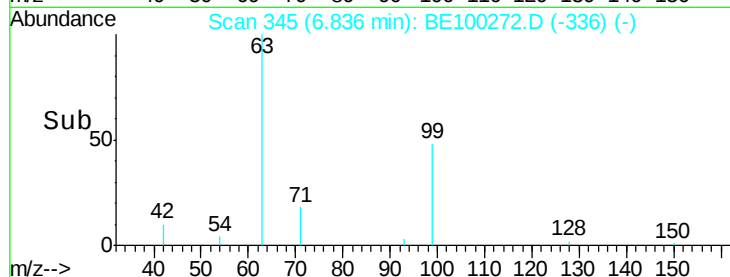
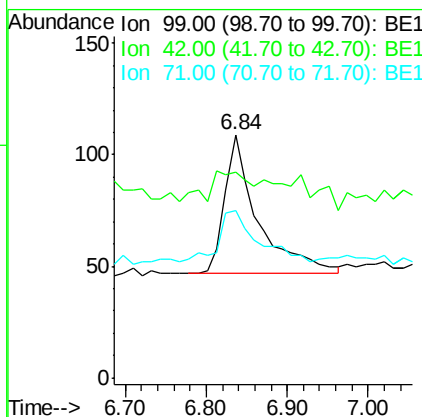
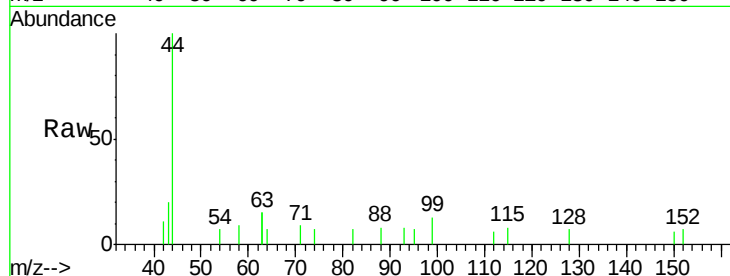
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	99	Resp:	176
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	45.5	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

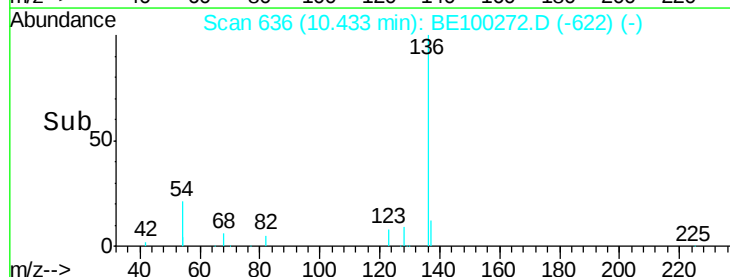
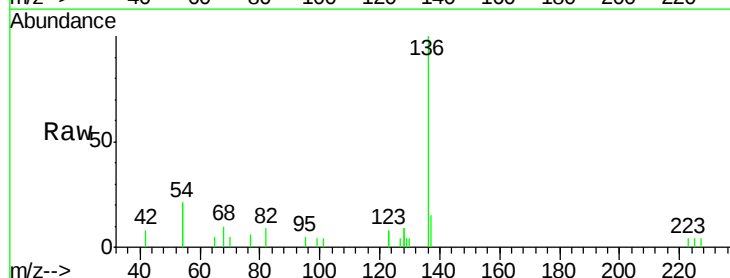
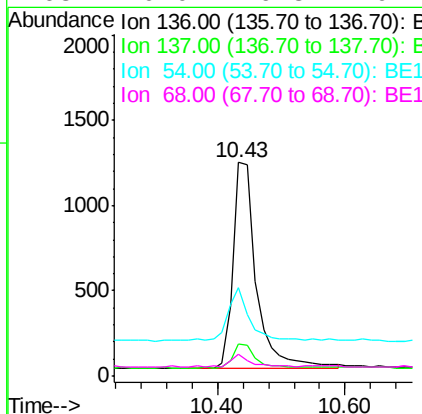
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	136	Resp:	3094
Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.8	17.8
54	41.1	27.7	41.5
68	10.0	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.063 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

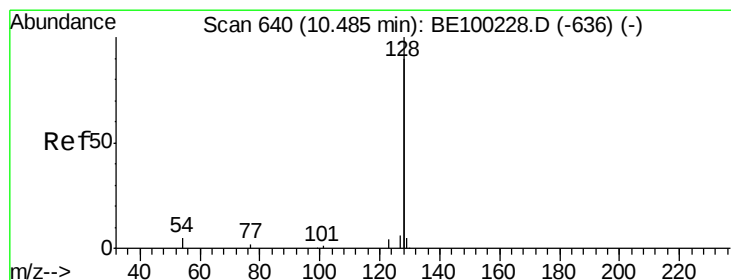
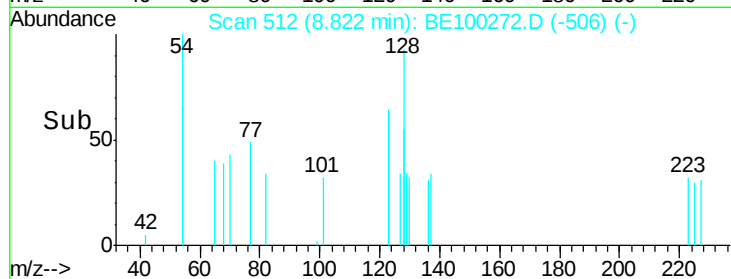
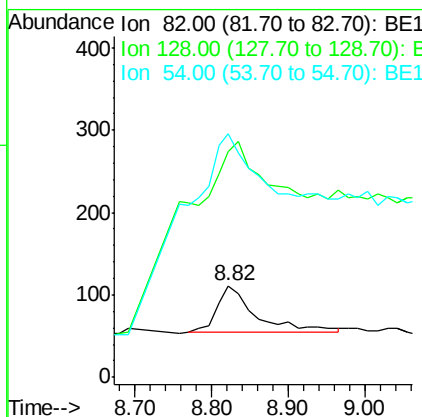
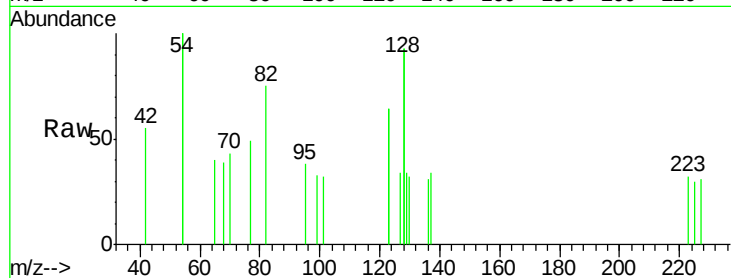
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	82	Resp:	195
Ion	Ratio	Lower	Upper
82	100		
128	246.8	140.9	211.3#
54	266.7	146.2	219.2#

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#9

Naphthalene

Concen: 0.063 ng

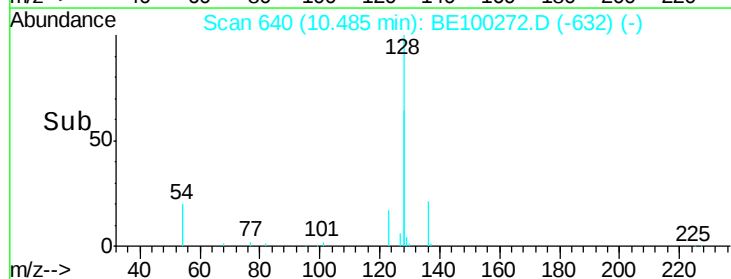
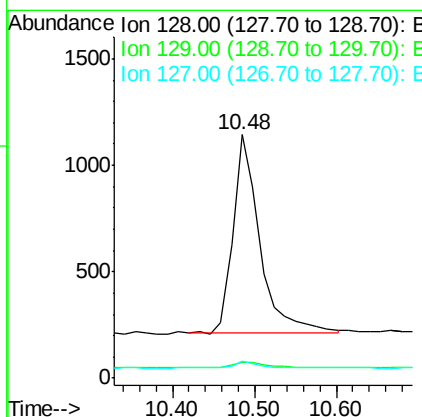
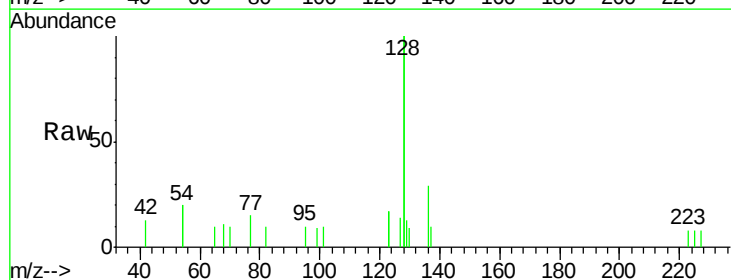
RT: 10.48 min Scan# 640

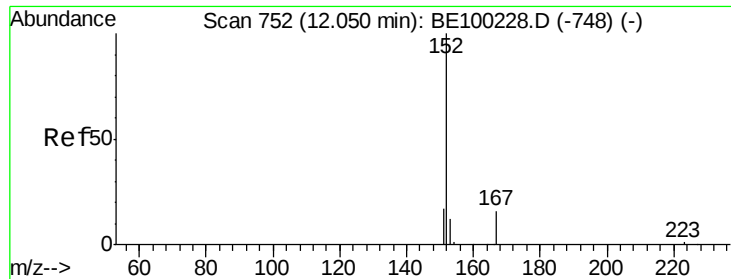
Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	128	Resp:	2133
Ion	Ratio	Lower	Upper
128	100		
129	6.6	3.0	4.6#
127	6.9	3.5	5.3#





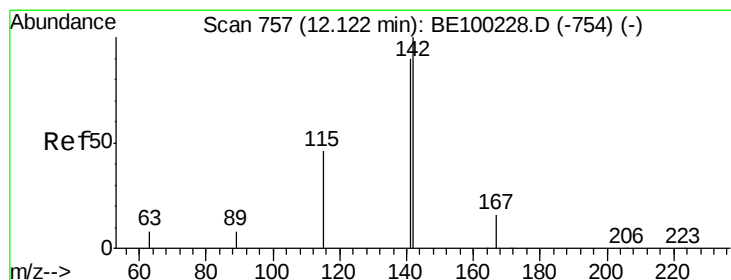
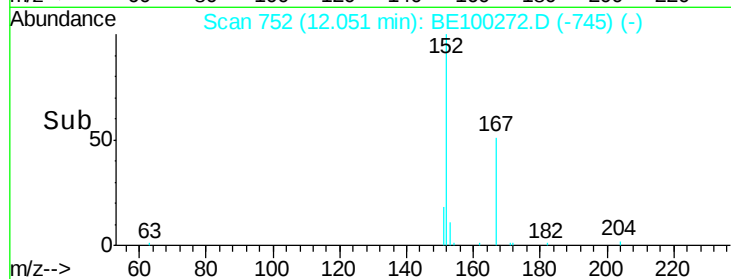
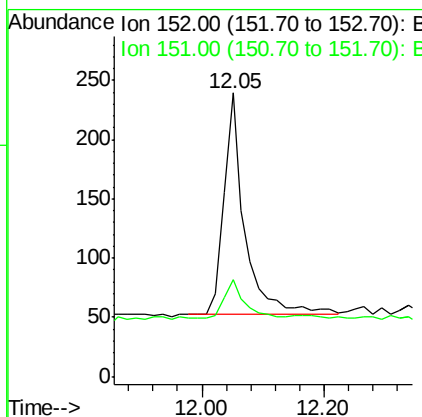
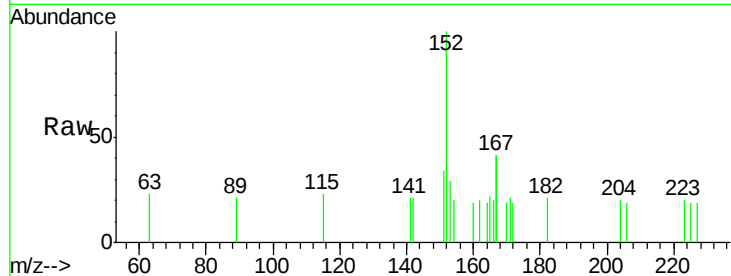
#11
2-Methylnaphthalene-d10
Concen: 0.078 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion:152 Resp: 453
Ion Ratio Lower Upper
152 100
151 16.6 15.1 22.7

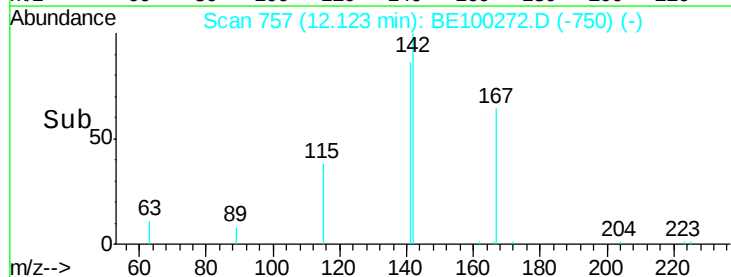
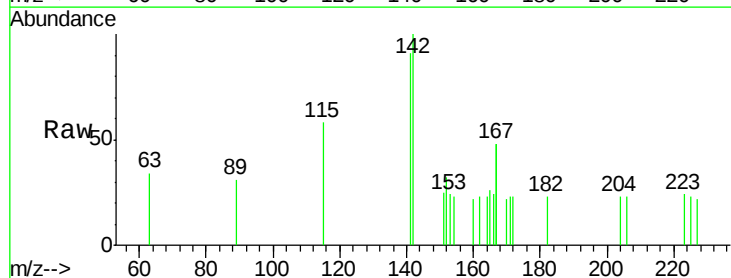
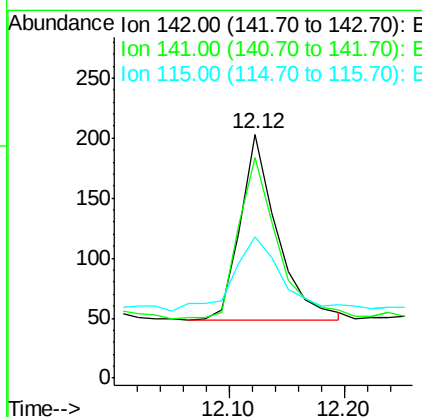
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#12
2-Methylnaphthalene
Concen: 0.058 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion:142 Resp: 348
Ion Ratio Lower Upper
142 100
141 90.6 72.4 108.6
115 58.1 40.4 60.6





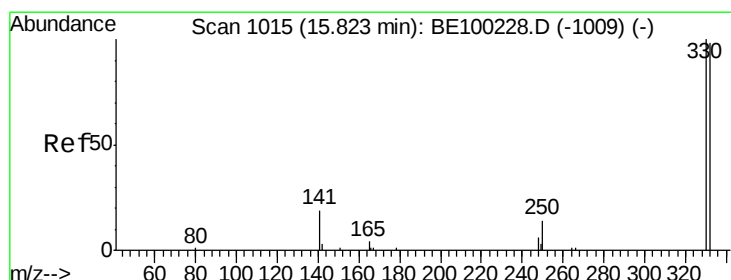
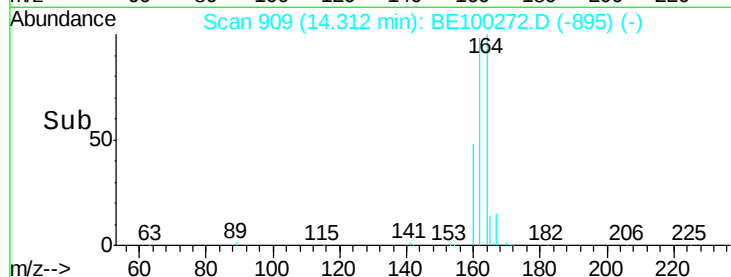
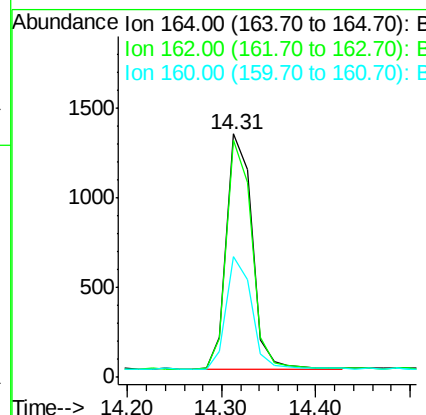
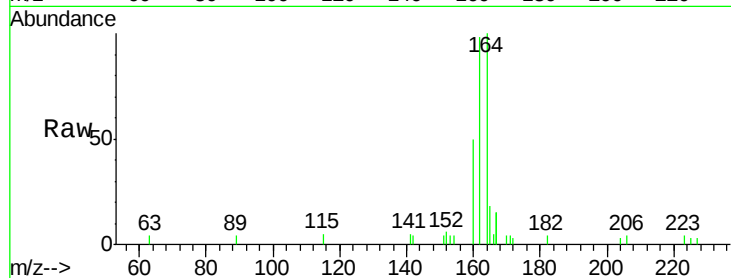
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.6	83.4	125.0
160	49.8	45.0	67.6

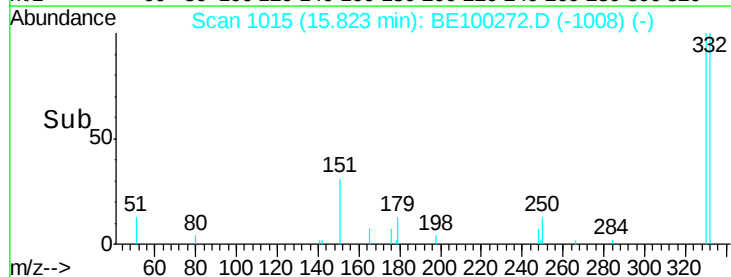
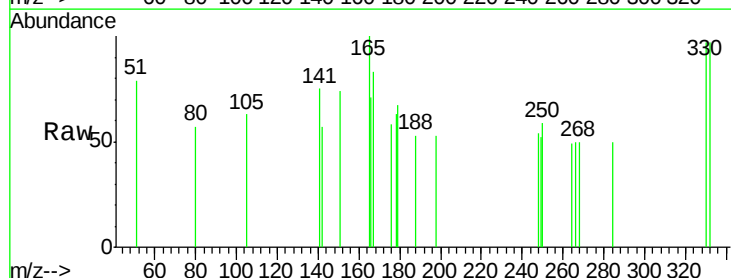
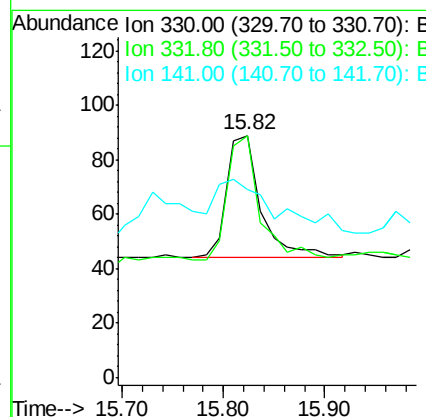
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#14
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 15.82 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.4
141	75.5	22.0	33.0#





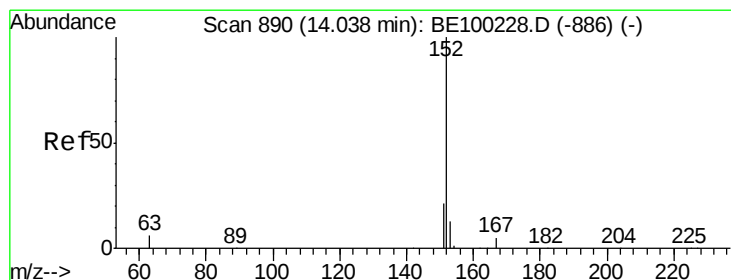
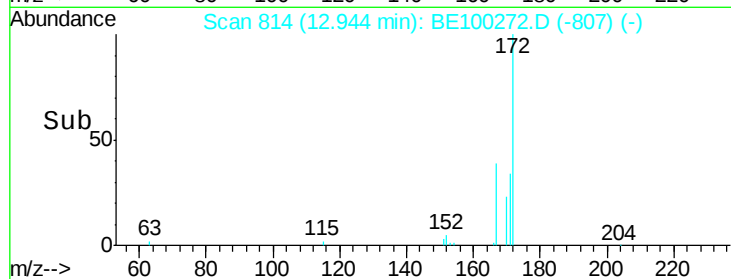
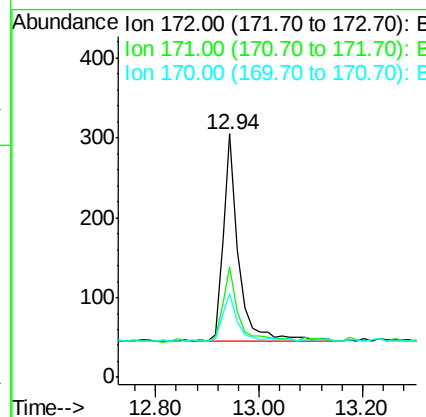
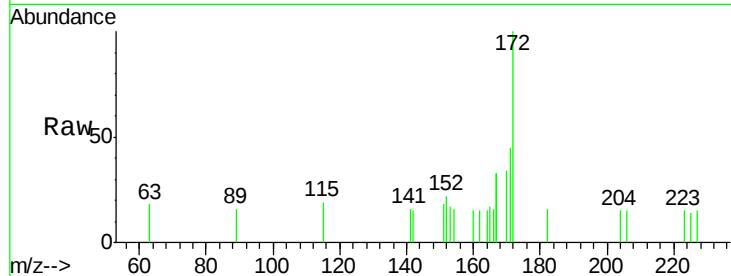
#15
2-Fluorobiphenyl
Concen: 0.056 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.2	31.9	47.9
170	34.4	22.2	33.2

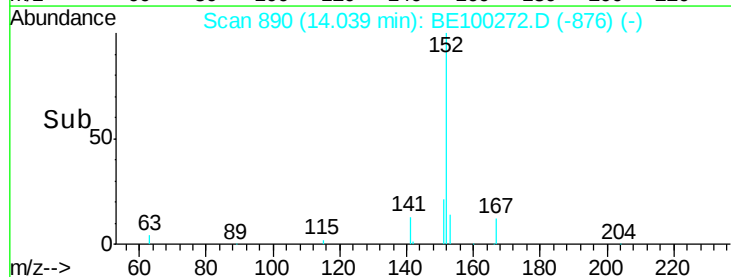
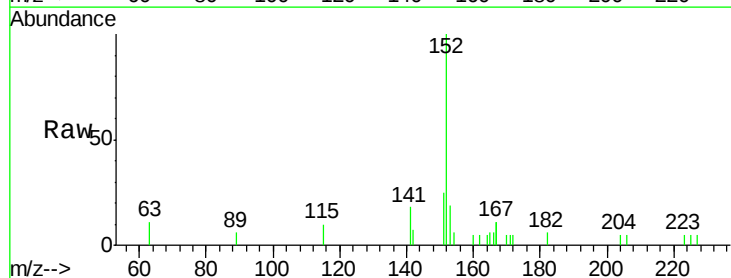
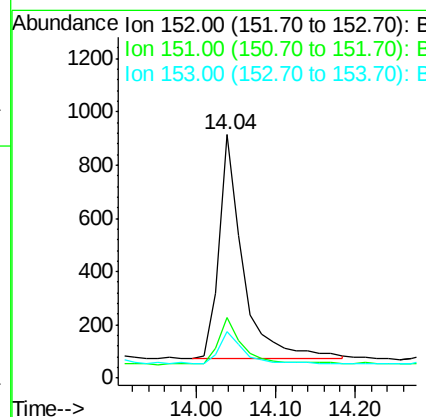
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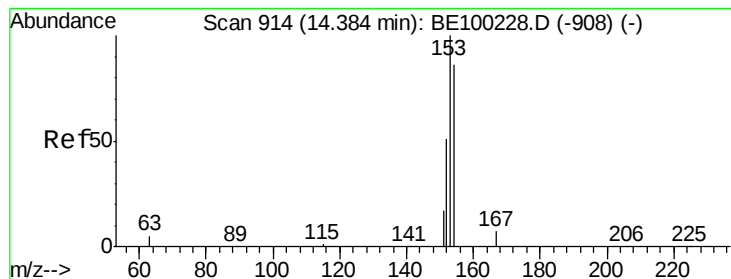
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#16
Acenaphthylene
Concen: 0.149 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.6	25.0
153	15.6	10.5	15.7





#17

Acenaphthene

Concen: 0.083 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

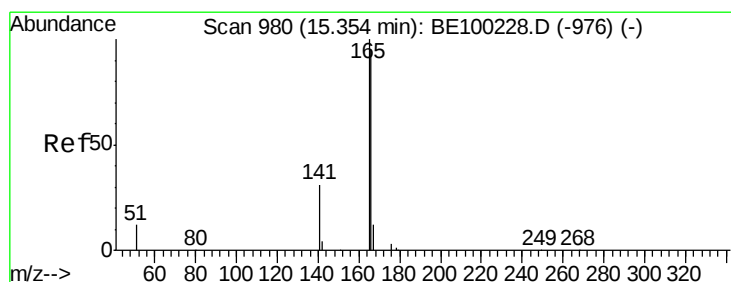
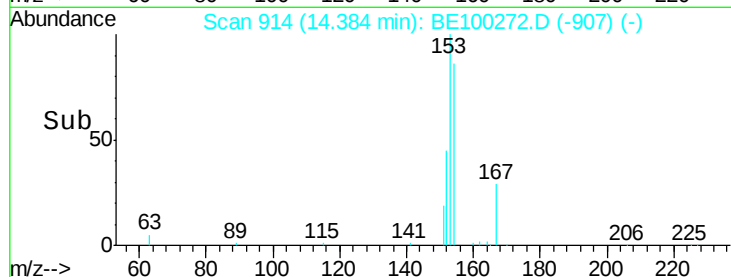
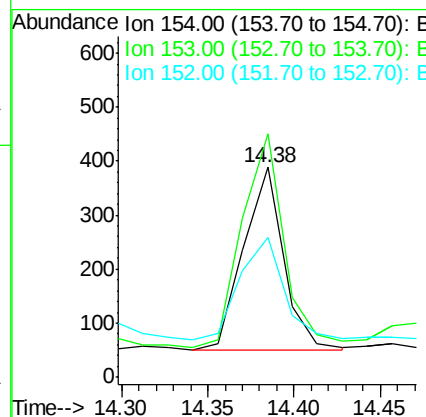
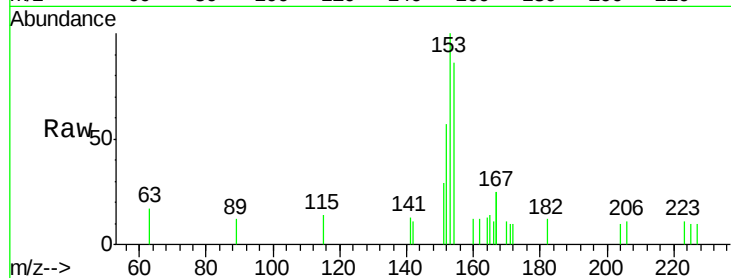
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	154	Resp:	552
Ion Ratio	Lower	Upper	
154	100		
153	121.4	93.4	140.2
152	64.1	49.4	74.2

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#18

Fluorene

Concen: 0.121 ng

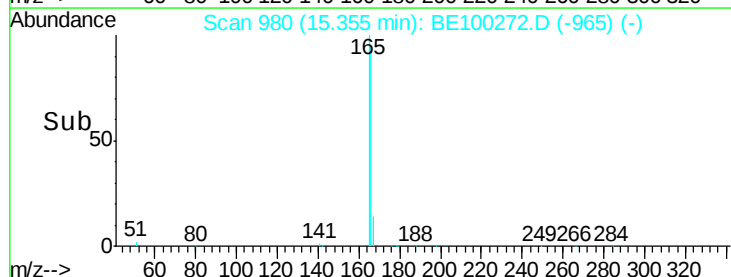
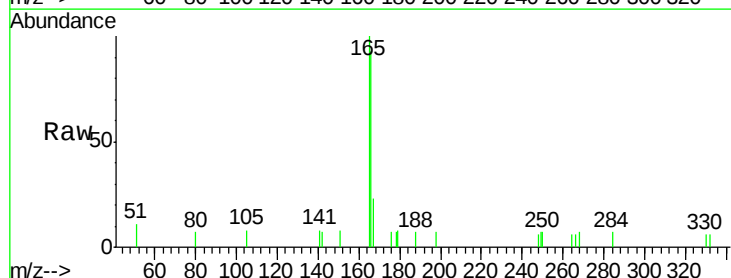
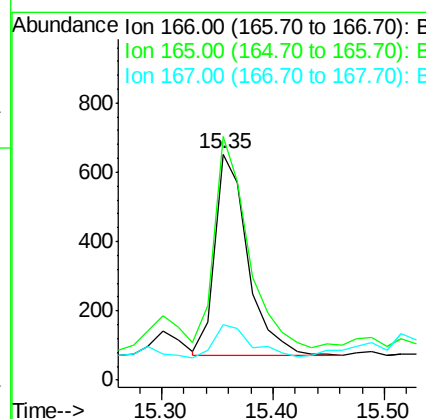
RT: 15.35 min Scan# 980

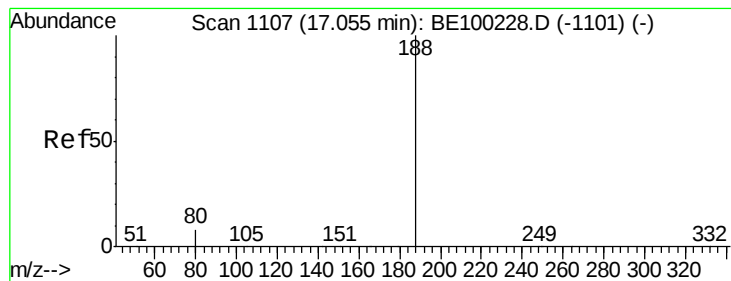
Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	166	Resp:	1197
Ion Ratio	Lower	Upper	
166	100		
165	106.5	81.1	121.7
167	18.9	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: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

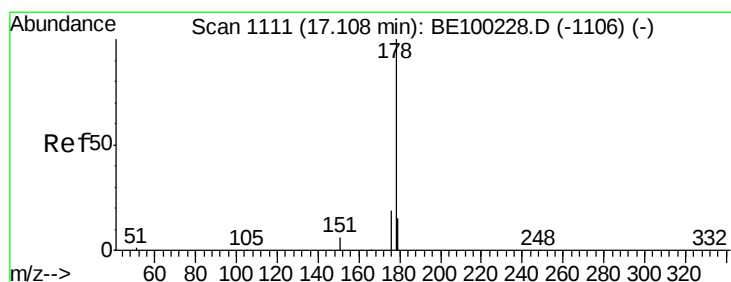
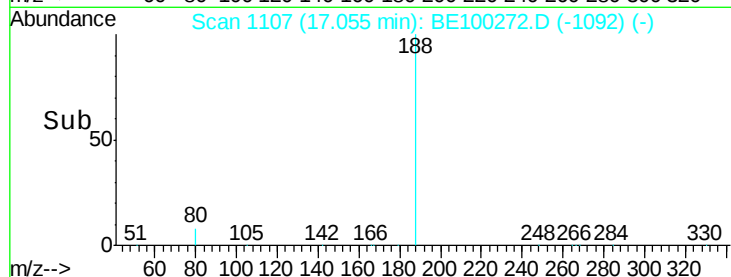
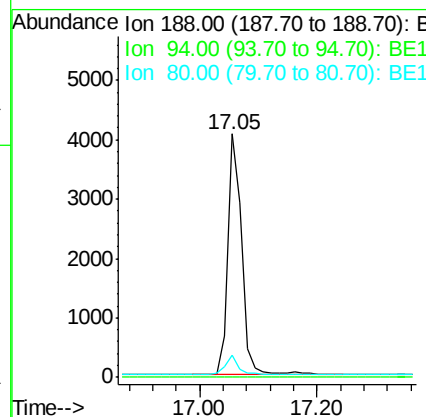
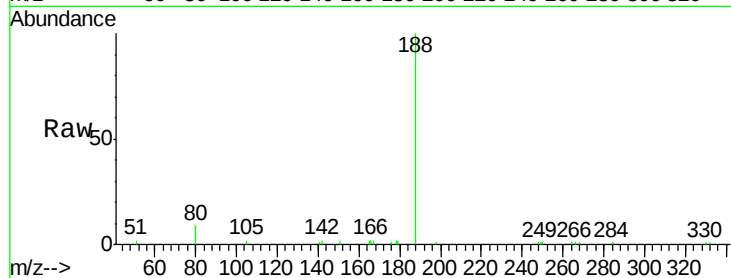
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	188	Resp:	6743
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	7.6	11.4

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#23

Phenanthrene

Concen: 1.766 ng

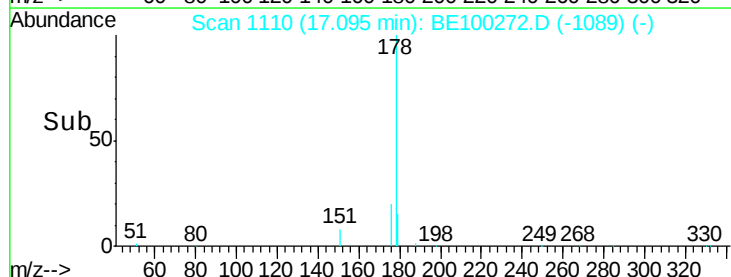
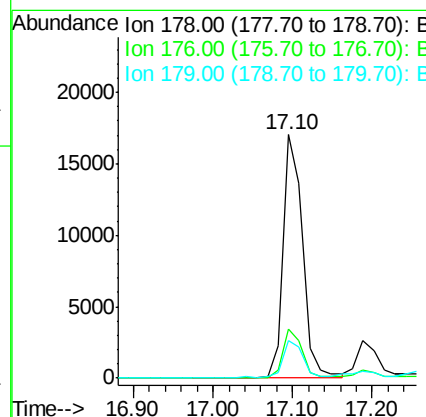
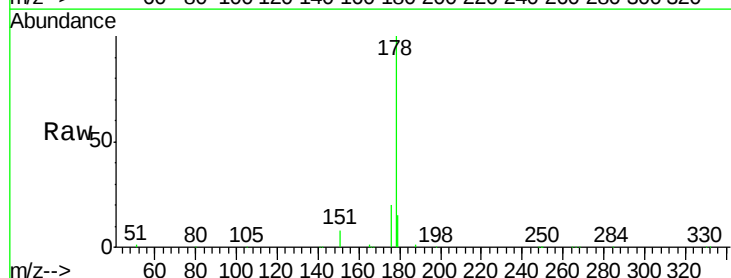
RT: 17.10 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	178	Resp:	28868
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.4	12.2	18.2





#24

Anthracene

Concen: 0.291 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

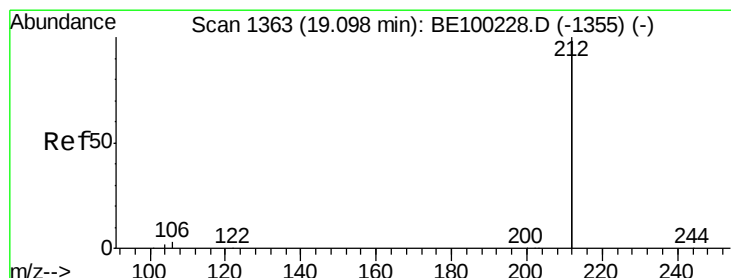
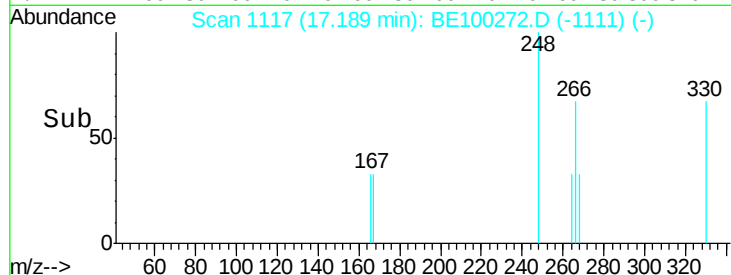
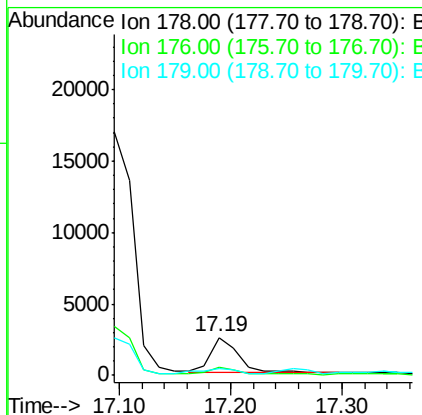
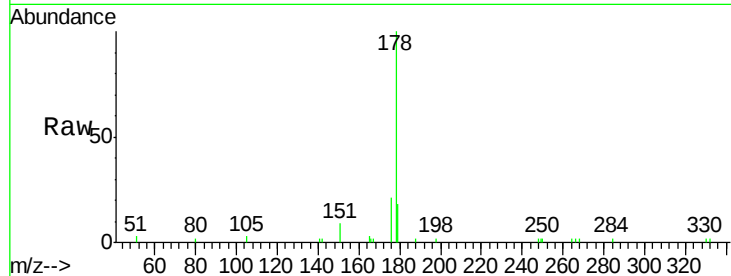
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	178	Resp:	4287
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.3	22.9
179	16.5	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.067 ng

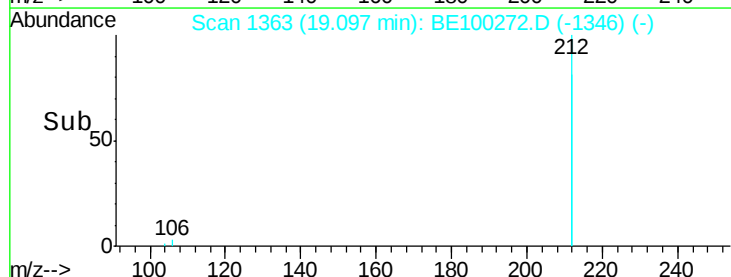
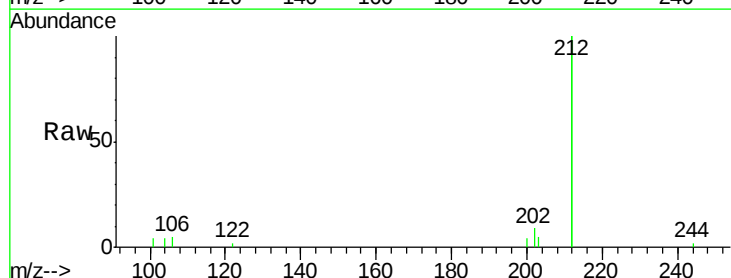
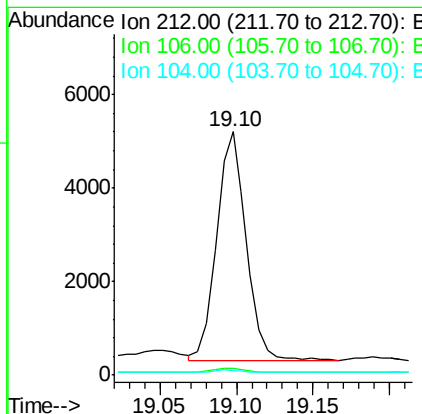
RT: 19.10 min Scan# 1363

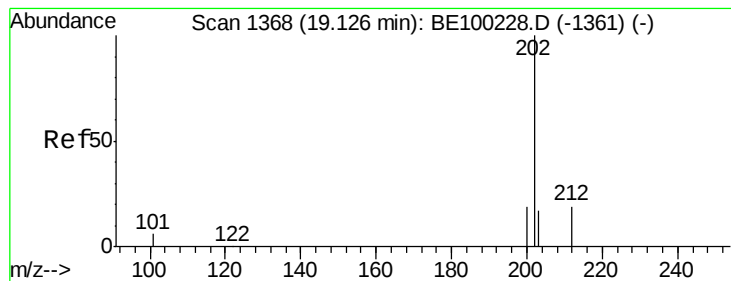
Delta R.T. -0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	212	Resp:	6531
Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.3	1.9
104	1.0	0.8	1.2





#26

Fluoranthene

Concen: 2.325 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

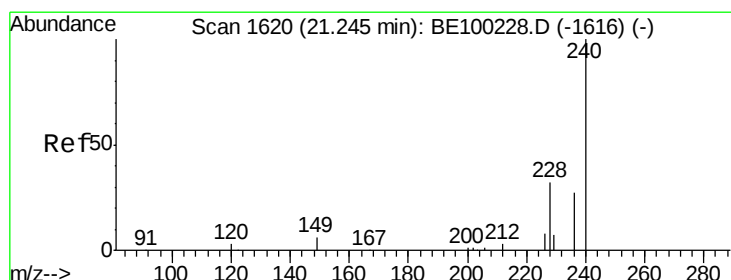
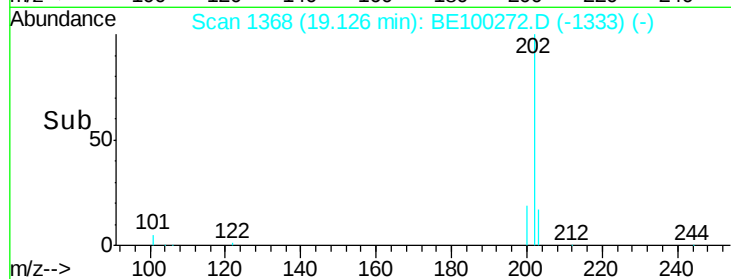
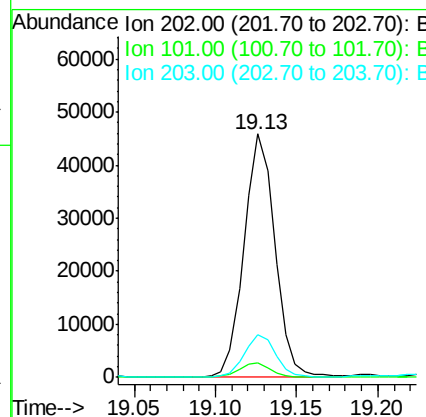
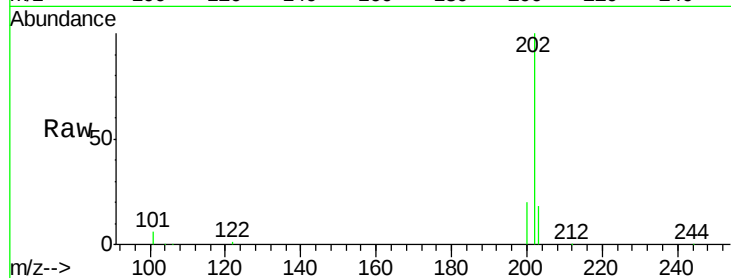
ClientSampleId :

EXT-013-SW163-061319DL

Tot Ion:	202	Resp:	60534
Ion Ratio	Lower	Upper	
202	100		
101	5.7	4.6	7.0
203	17.5	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

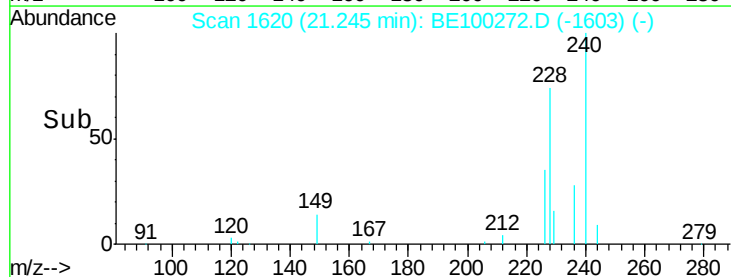
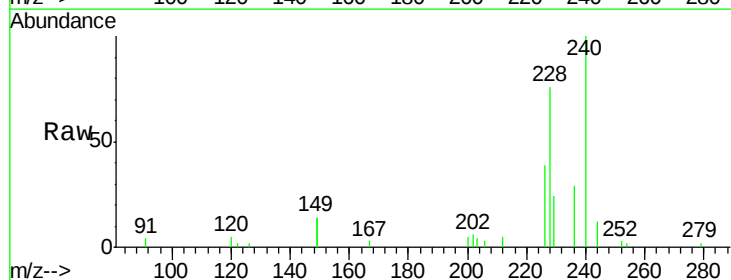
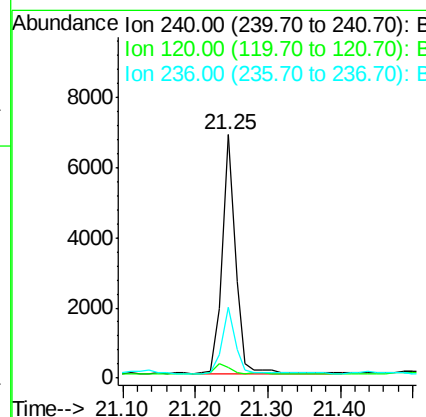
RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	240	Resp:	8870
Ion Ratio	Lower	Upper	
240	100		
120	4.6	3.3	4.9
236	29.2	22.6	34.0





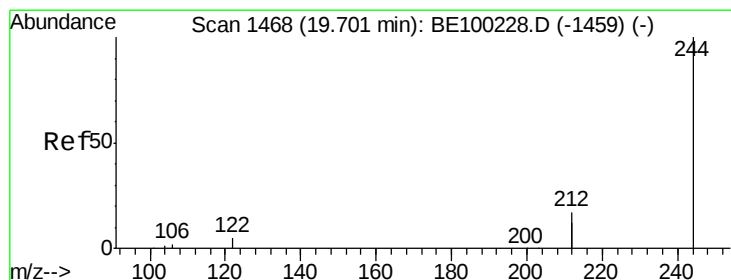
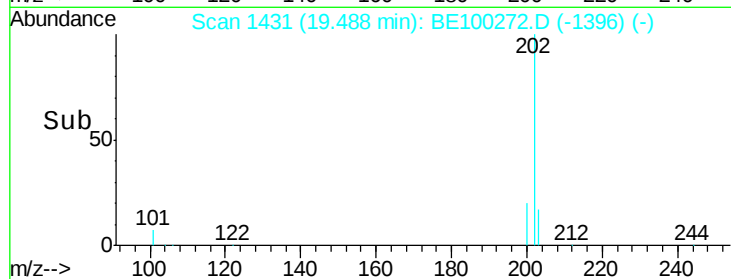
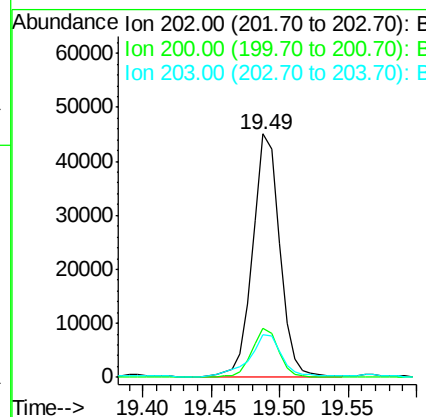
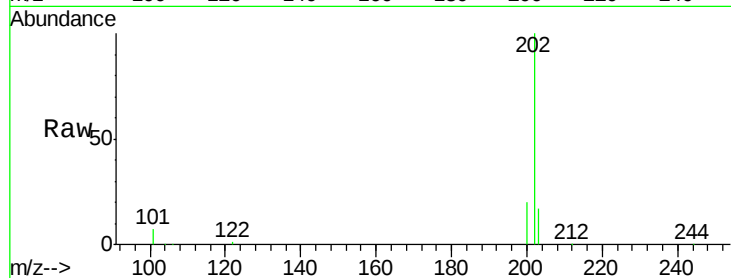
#28
Pvrene
Concen: 2.584 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

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

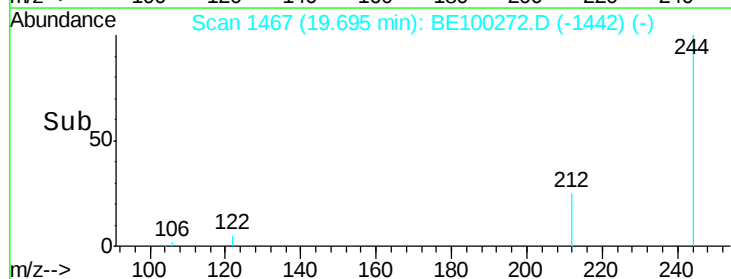
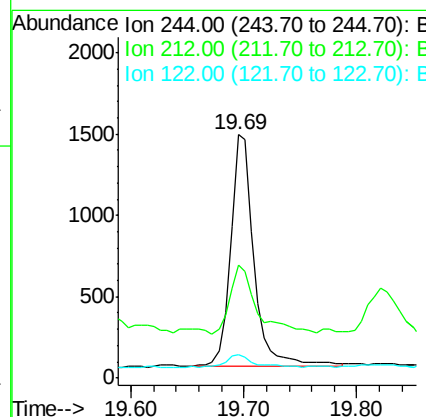
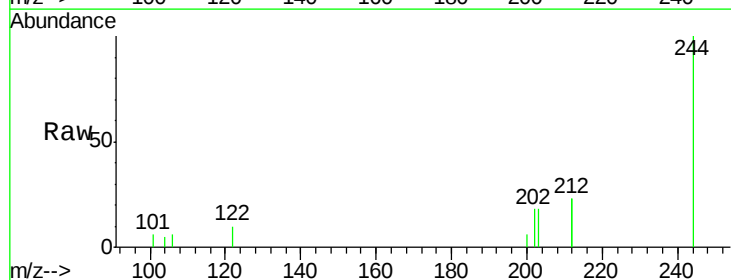
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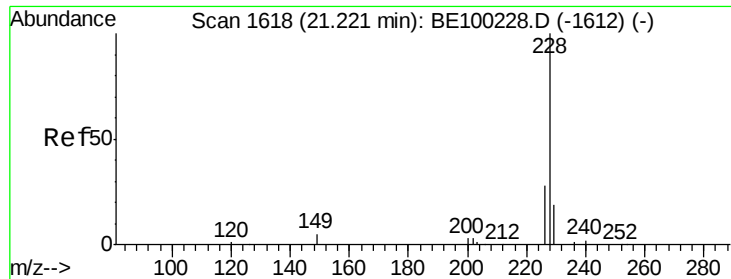
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#29
Terphenyl-d14
Concen: 0.111 ng
RT: 19.69 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	46.6	27.3	40.9#
122	9.6	4.7	7.1#





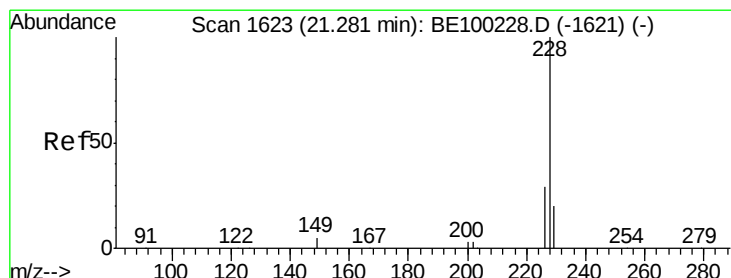
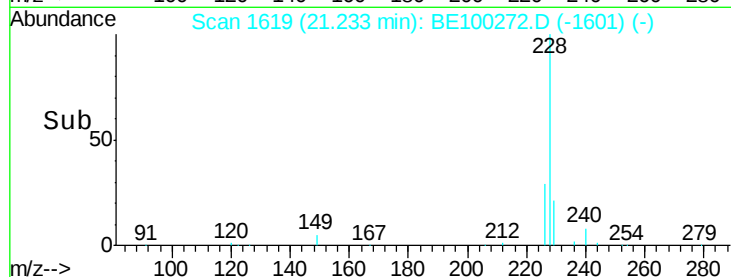
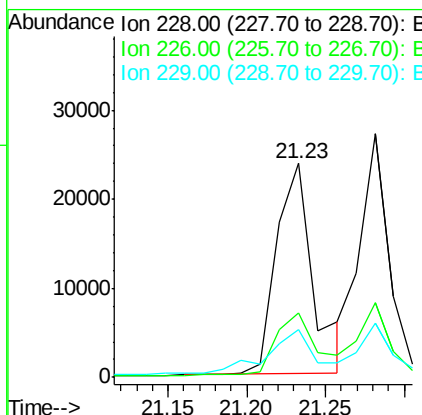
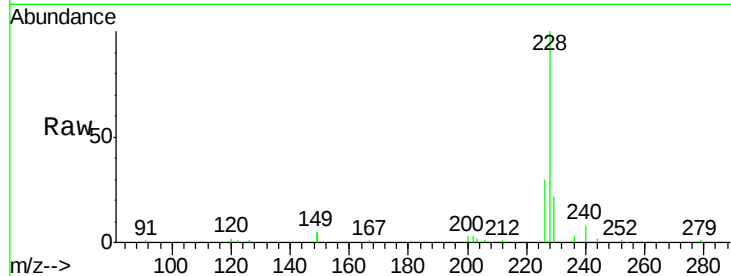
#30
Benzo(a)anthracene
Concen: 1.321 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	22.5	15.7	23.5

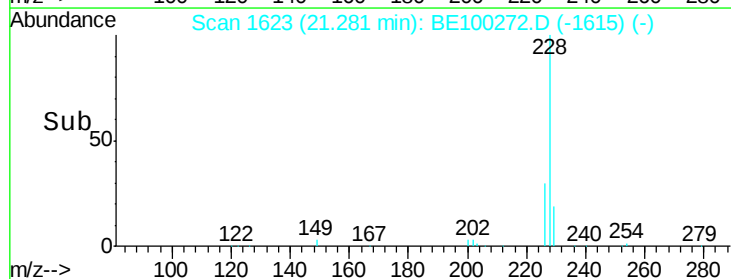
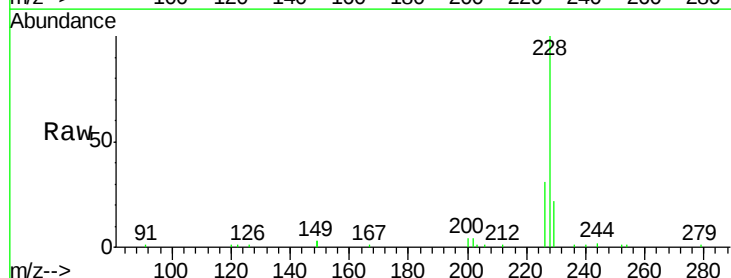
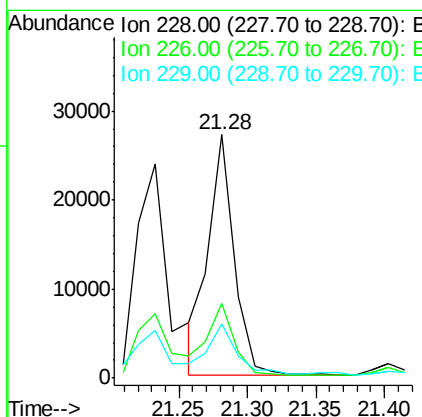
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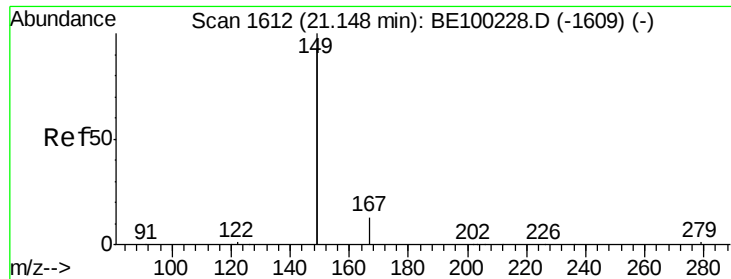
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#31
Chrysene
Concen: 1.200 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	22.4	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.078 ng/ml

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Instrument :

BNA_E

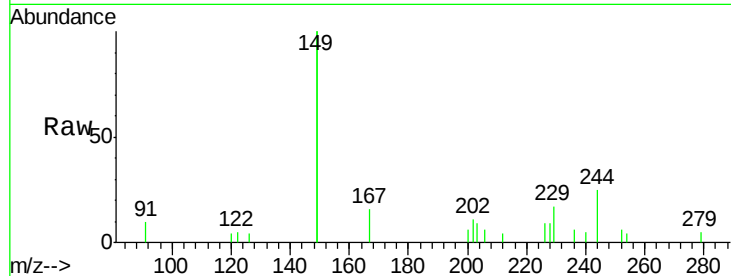
ClientSampleId :

EXT-013-SW163-061319DL

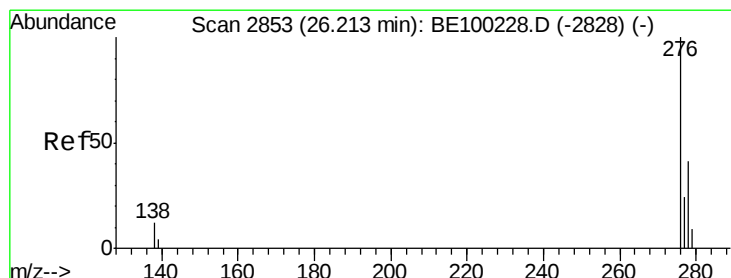
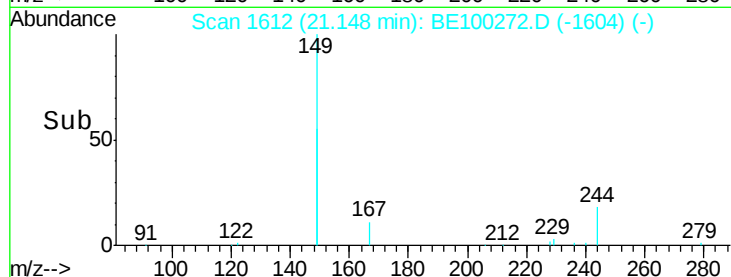
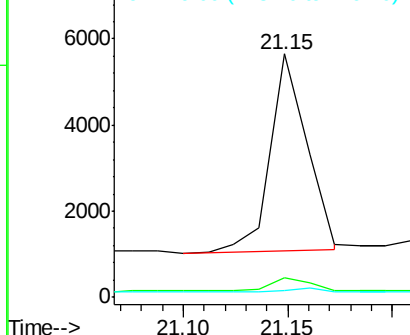
Tot Ion:	149	Resp:	5603
Ion Ratio	Lower	Upper	
149	100		
167	1.8	5.8	8.8#
279	0.4	1.1	1.7#

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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.543 ng

RT: 26.22 min Scan# 2855

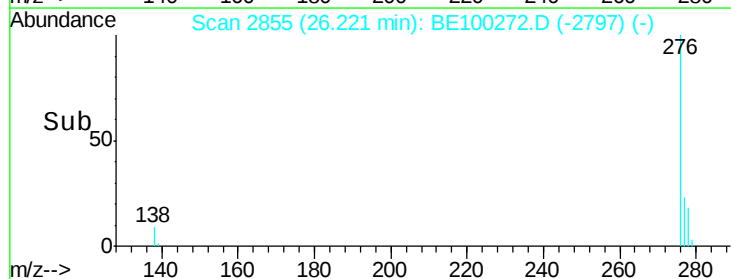
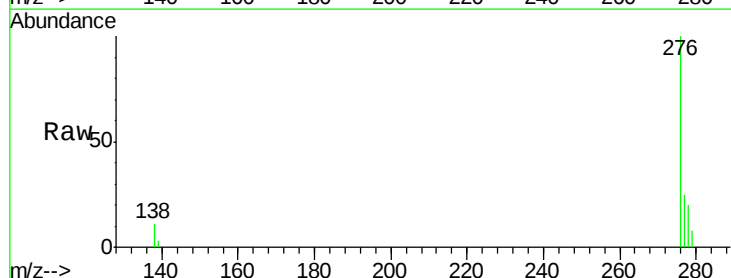
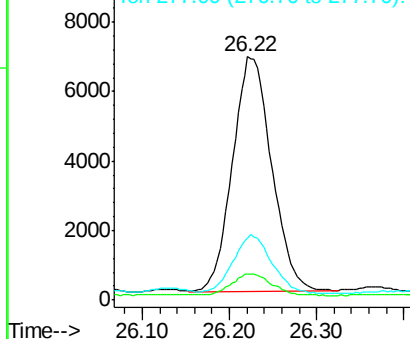
Delta R.T. 0.01 min

Lab File: BE100272.D

Acq: 1 Jul 2019 19:07

Tgt Ion:	276	Resp:	21042
Ion Ratio	Lower	Upper	
276	100		
138	9.6	9.4	14.0
277	24.8	19.2	28.8

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





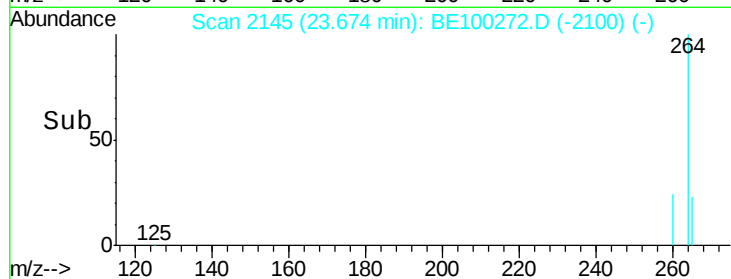
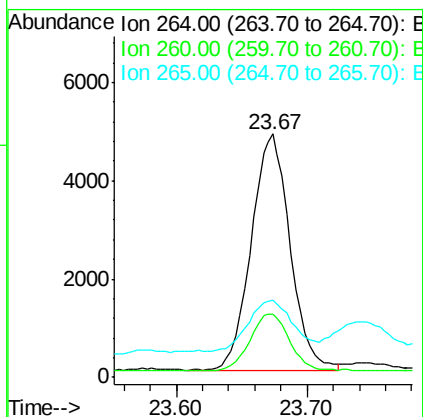
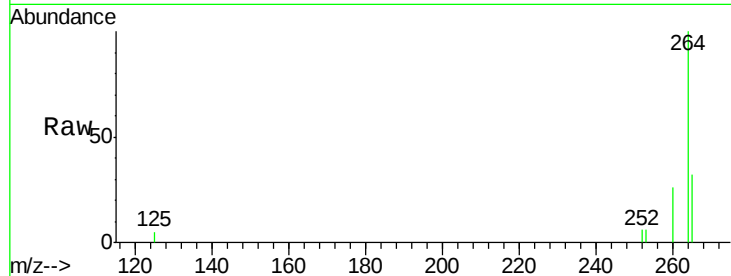
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100272.D
 Acq: 1 Jul 2019 19:07

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.8	31.2
265	31.5	21.8	32.6

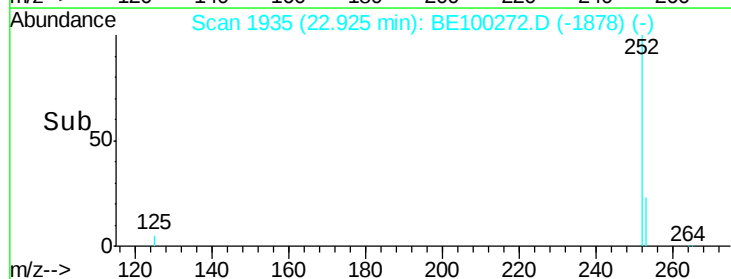
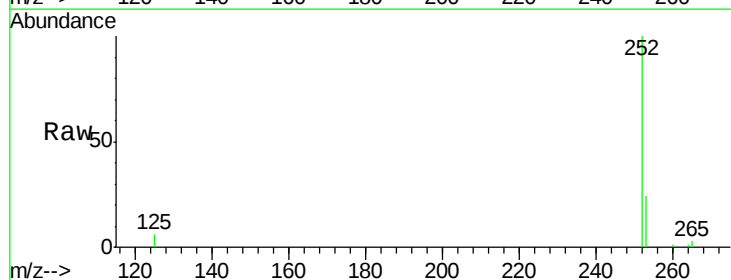
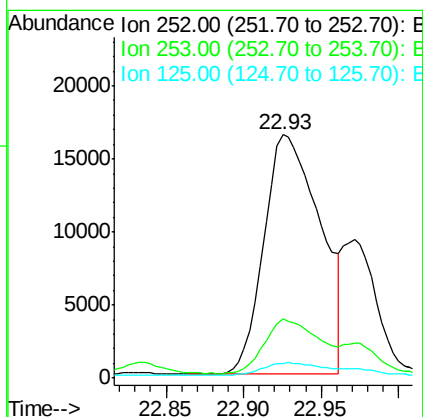
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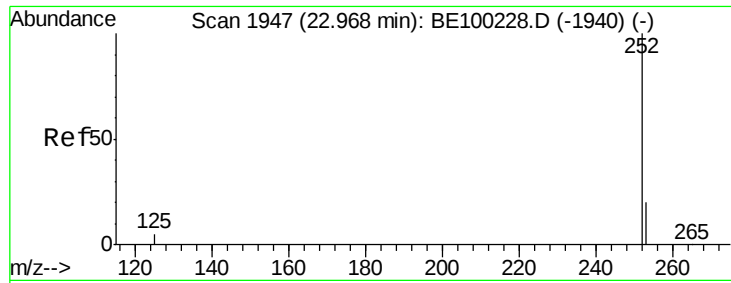
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#35
 Benzo(b)fluoranthene
 Concen: 1.542 ng
 RT: 22.93 min Scan# 1935
 Delta R.T. 0.00 min
 Lab File: BE100272.D
 Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.2	28.8
125	6.1	7.4	11.0





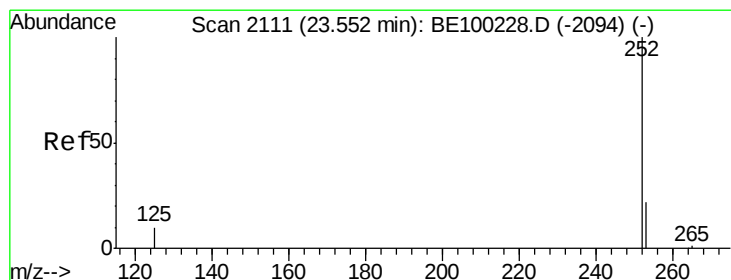
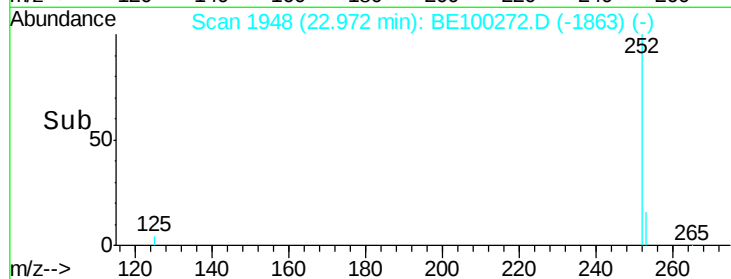
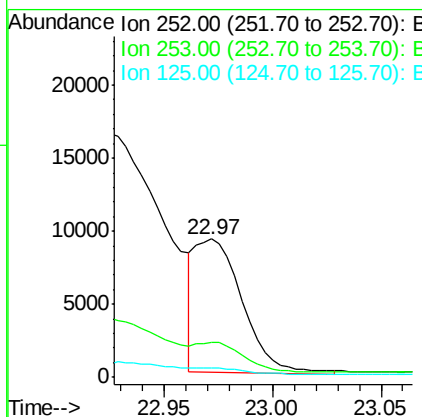
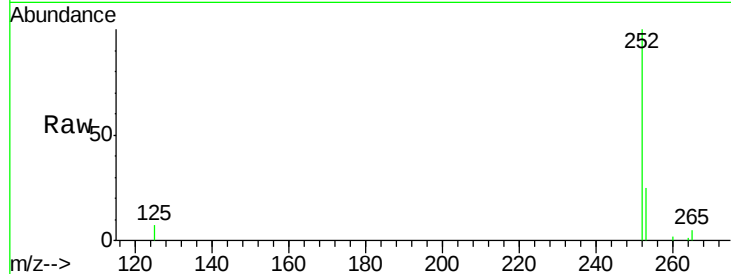
#36
Benzo(k)fluoranthene
Concen: 0.472 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	6.7	5.0	7.4

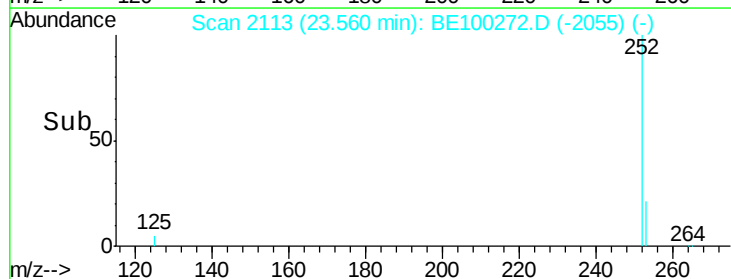
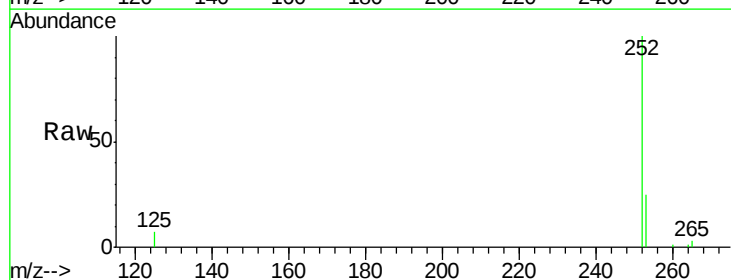
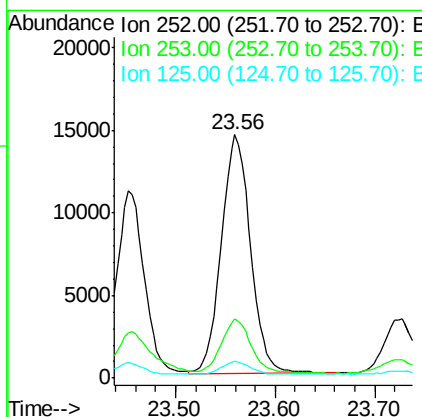
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#37
Benzo(a)pyrene
Concen: 1.088 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100272.D
Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.6	29.4
125	6.8	9.0	13.6





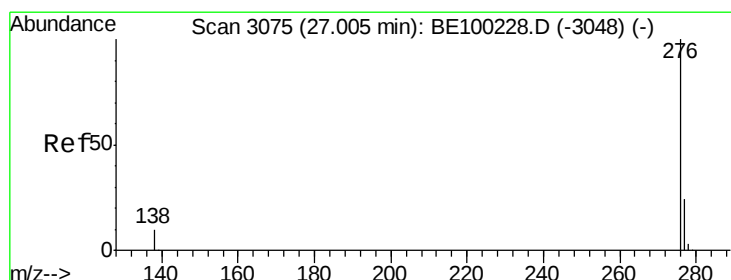
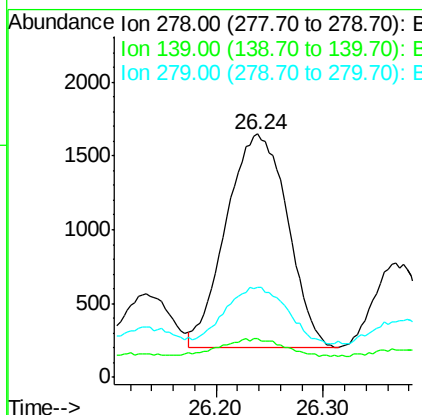
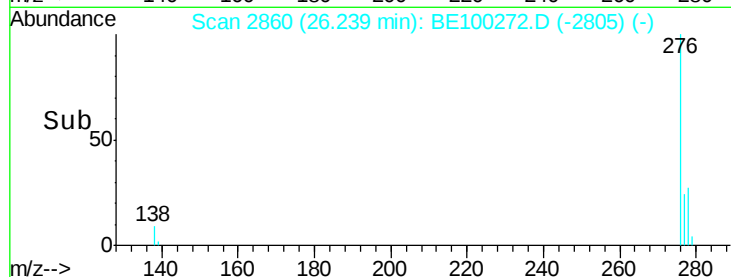
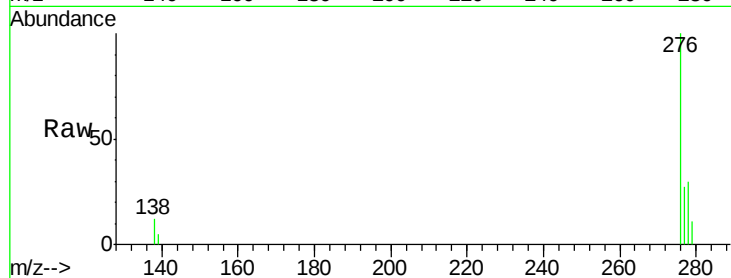
#38
 Dibenzo(a,h)anthracene
 Concen: 0.203 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE100272.D
 Acq: 1 Jul 2019 19:07

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW163-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	8.2	12.2#
279	37.2	20.3	30.5#

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#39
 Benzo(g,h,i)perylene
 Concen: 0.750 ng
 RT: 27.02 min Scan# 3079
 Delta R.T. 0.01 min
 Lab File: BE100272.D
 Acq: 1 Jul 2019 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.2	30.2
138	10.9	9.0	13.6

