

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100242.D
 Acq On : 28 Jun 2019 19:39
 Operator : JU/SJ
 Sample : K3428-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW166-061319

Manual Integrations
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 7/1/2019 3:07:02 PM

Quant Time: Jun 29 00:39:31 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	801	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2728	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2429	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6677	0.40	ng	0.00
27) Chrysene-d12	21.26	240	8406m	0.40	ng	0.01
34) Perylene-d12	23.68	264	16000	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	480	0.23	ng	0.00
5) Phenol-d6	6.81	99	664	0.25	ng	-0.02
8) Nitrobenzene-d5	8.81	82	724	0.27	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1972	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	464	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2034	0.21	ng	-0.01
25) Fluoranthene-d10	19.10	212	33826	0.35	ng	0.00
29) Terphenyl-d14	19.70	244	6628	0.38	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	52844	1.756	ng	# 97
12) 2-Methylnaphthalene	12.11	142	9562	1.811	ng	98
16) Acenaphthylene	14.04	152	152893	13.117	ng	99
17) Acenaphthene	14.38	154	10467	1.585	ng	98
18) Fluorene	15.35	166	43159	4.418	ng	# 89
23) Phenanthrene	17.11	178	1029808	63.635	ng	99
24) Anthracene	17.19	178	162207	11.130	ng	# 96
26) Fluoranthene	19.14	202	2318928	89.962	ng	97
28) Pyrene	19.51	202	2609216	117.241	ng	95
30) Benzo(a)anthracene	21.23	228	1411161	51.057	ng	94
31) Chrysene	21.29	228	1626418	58.602	ng	95
32) Bis(2-ethylhexyl)phthalate	21.16	149	40808	0.987	ng	97
33) Indeno(1,2,3-cd)pyrene	26.27	276	948869	25.849	ng	# 96
35) Benzo(b)fluoranthene	22.95	252	1610806	37.133	ng	# 95
36) Benzo(k)fluoranthene	22.99	252	643461m	13.289	ng	
37) Benzo(a)pyrene	23.58	252	1329214	30.573	ng	# 92
38) Dibenzo(a,h)anthracene	26.27	278	244026	5.374	ng	# 91
39) Benzo(a,h,i)perylene	27.07	276	1021885	21.907	ng	# 96

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

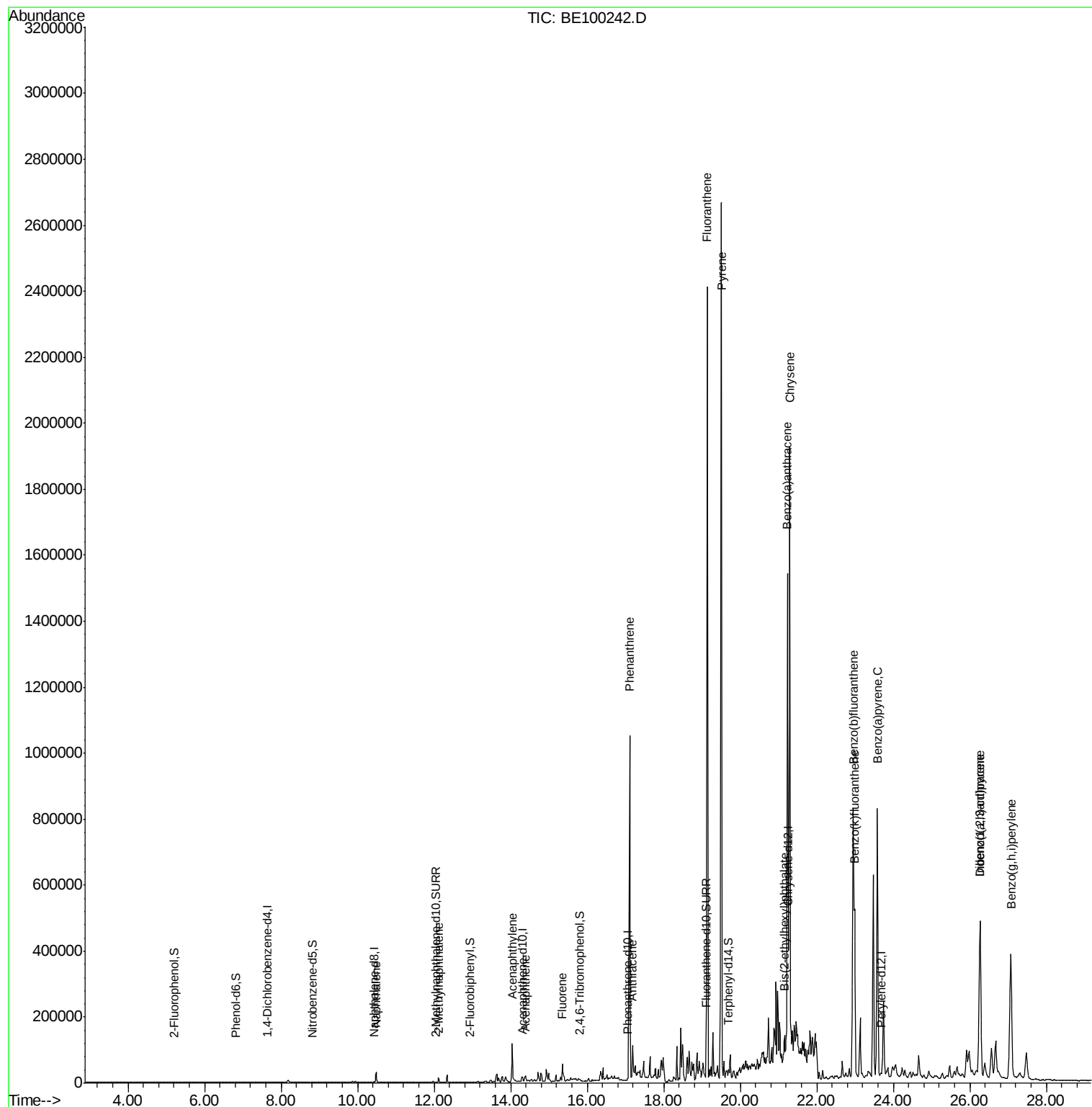
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100242.D
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Operator : JU/SJ
Sample : K3428-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

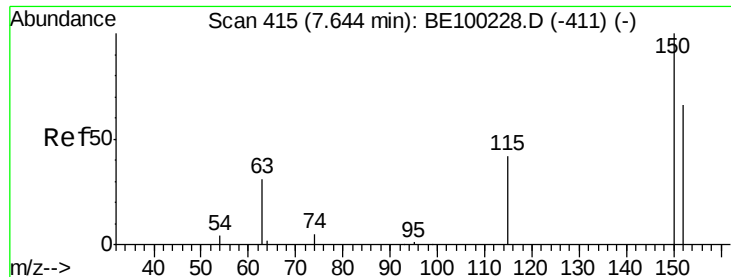
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

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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
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#1

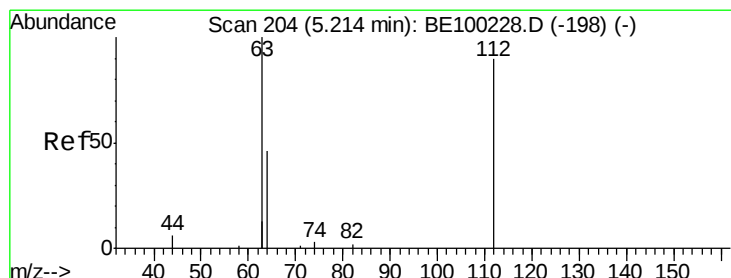
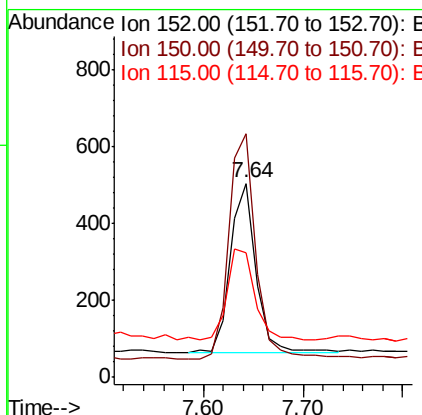
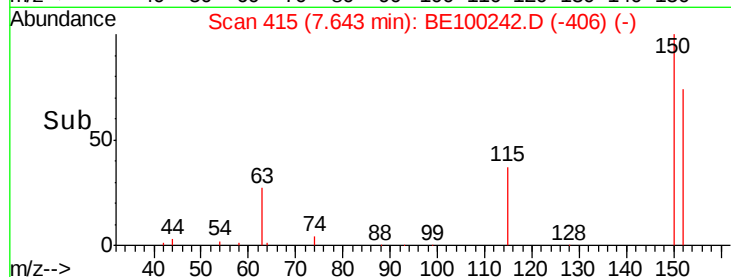
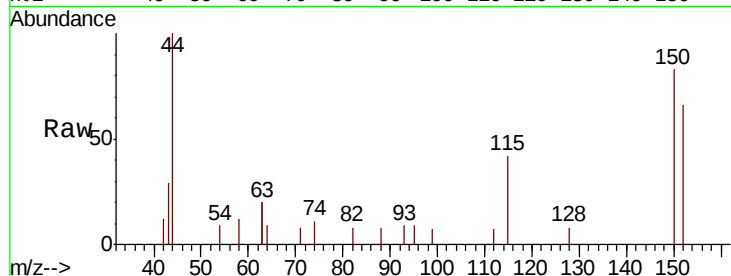
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	125.6	114.5	171.7
115	64.5	57.1	85.7

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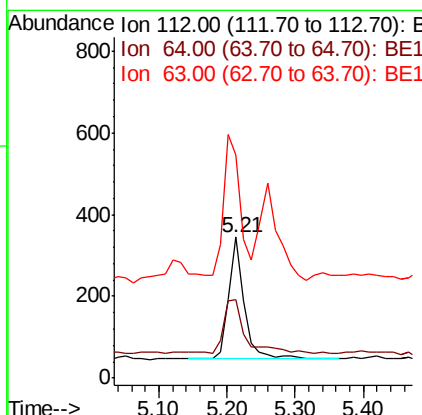
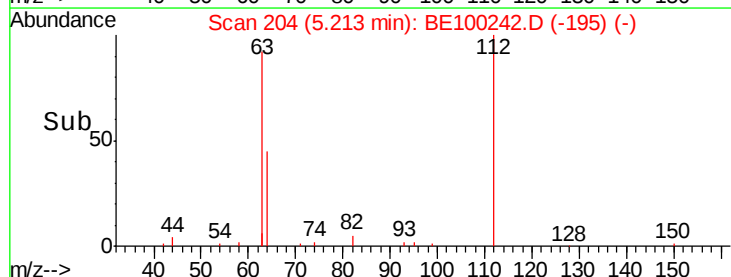
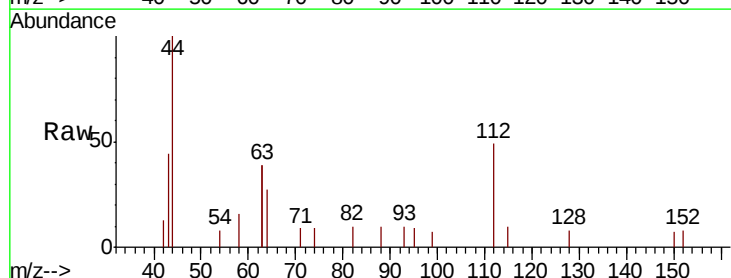
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#4

2-Fluorophenol
Concen: 0.235 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	39.4	59.0#
63	122.9	104.5	156.7





#5

Phenol-d6

Concen: 0.247 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Instrument :

BNA_E

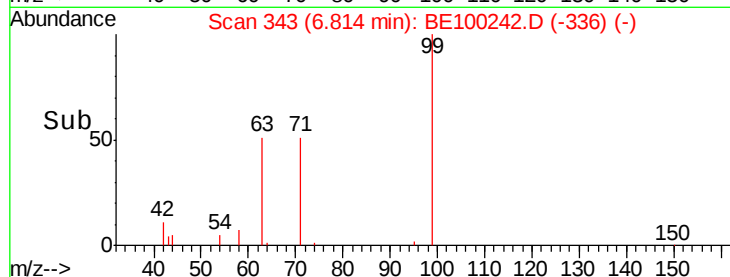
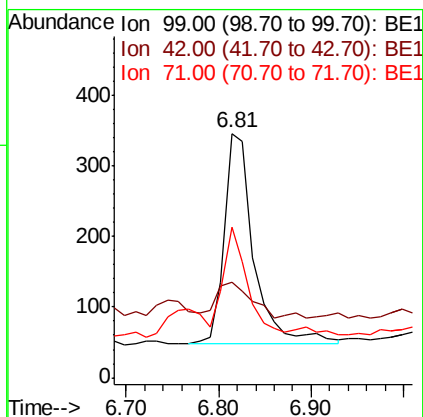
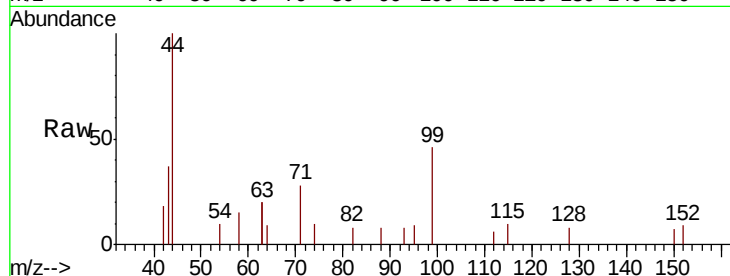
ClientSampleId :

EXT-013-SW166-061319

Tot Ion:	99	Resp:	664
Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.2	16.8
71	37.7	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

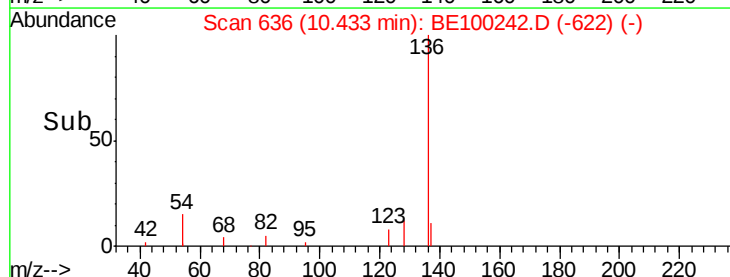
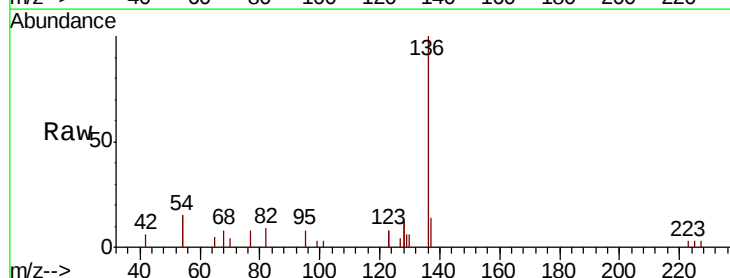
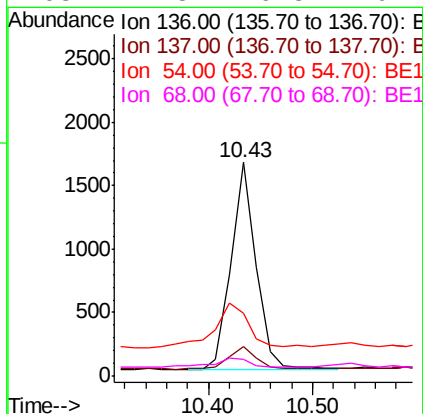
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Tgt Ion:	136	Resp:	2728
Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	29.6	27.7	41.5
68	7.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.267 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Instrument :

BNA_E

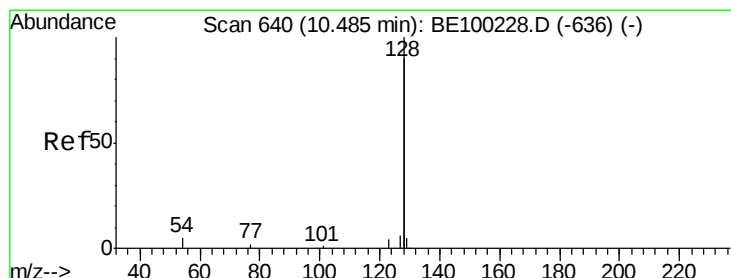
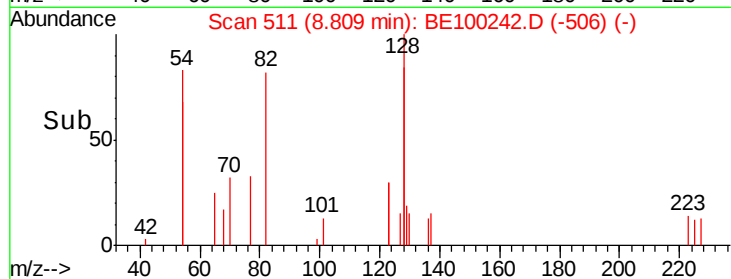
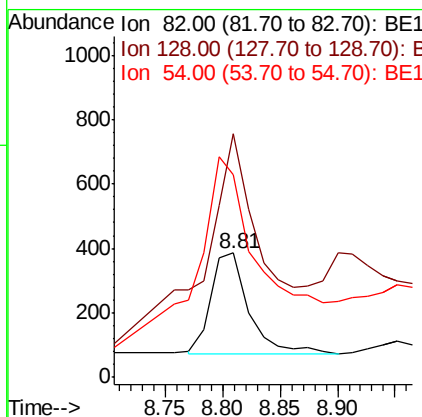
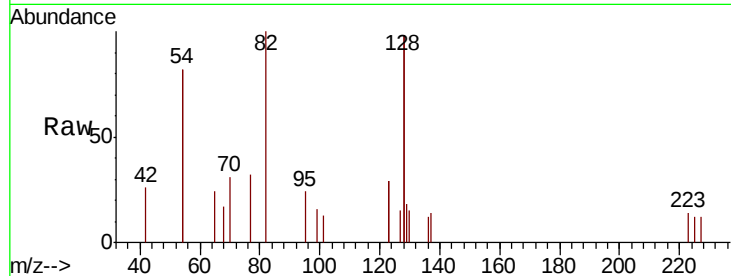
ClientSampleId :

EXT-013-SW166-061319

Tot Ion:	82	Resp:	724
Ion	Ratio	Lower	Upper
82	100		
128	196.4	140.9	211.3
54	163.6	146.2	219.2

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#9

Naphthalene

Concen: 1.756 ng

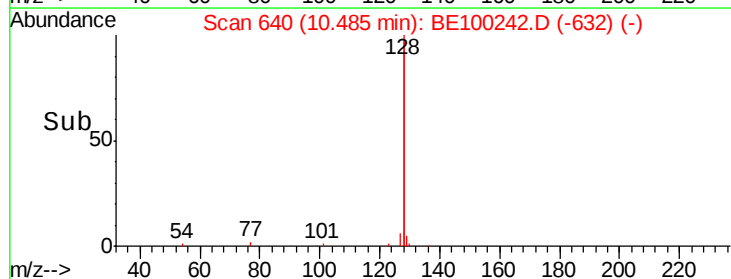
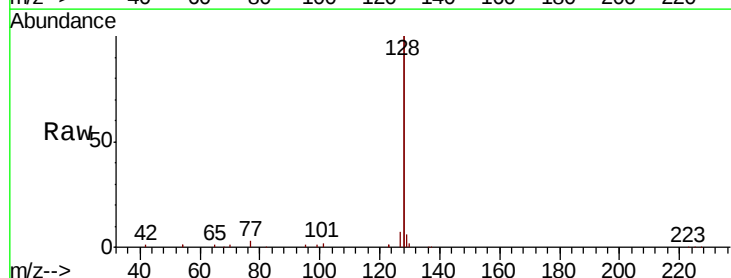
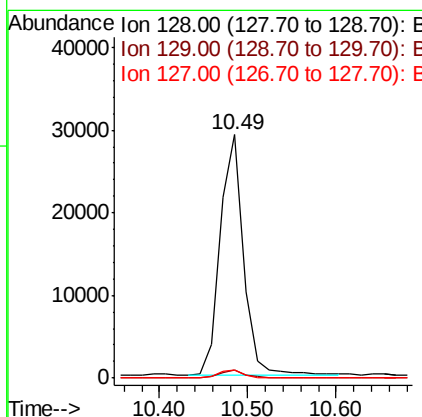
RT: 10.49 min Scan# 640

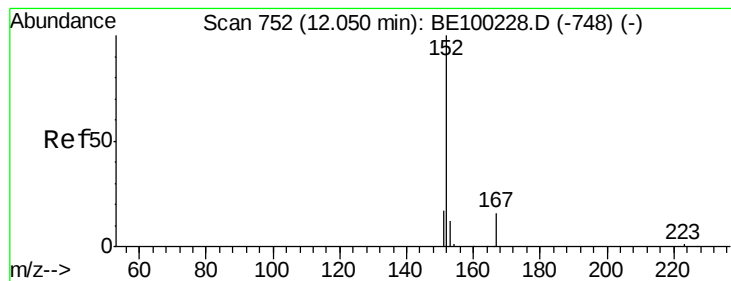
Delta R.T. 0.00 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Tgt Ion:	128	Resp:	52844
Ion	Ratio	Lower	Upper
128	100		
129	3.1	3.0	4.6
127	3.4	3.5	5.3#





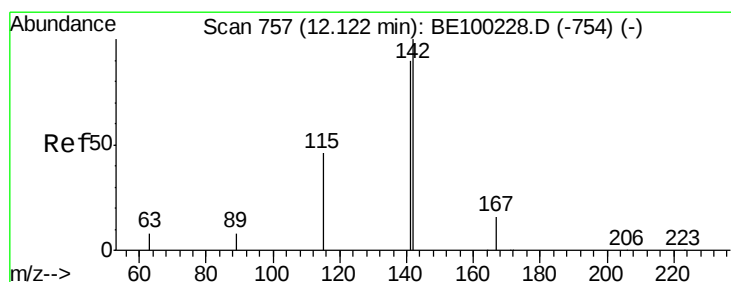
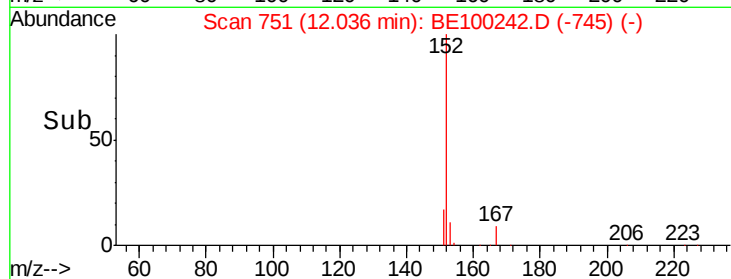
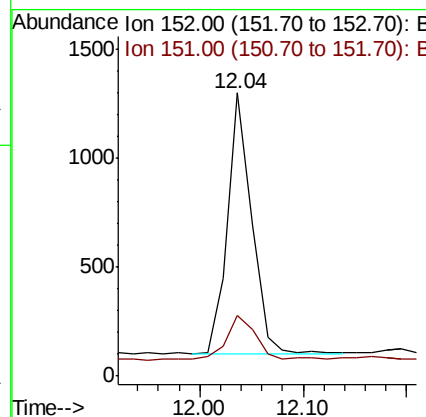
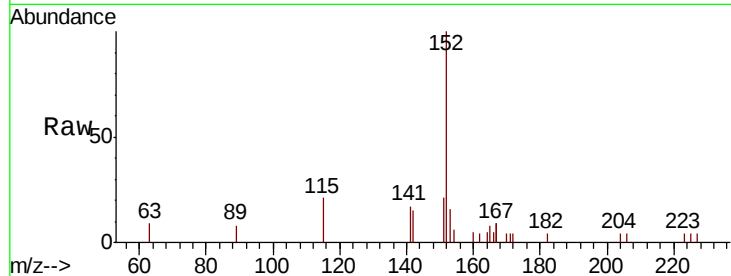
#11
2-Methylnaphthalene-d10
Concen: 0.384 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion:152 Resp: 1972
Ion Ratio Lower Upper
152 100
151 19.9 15.1 22.7

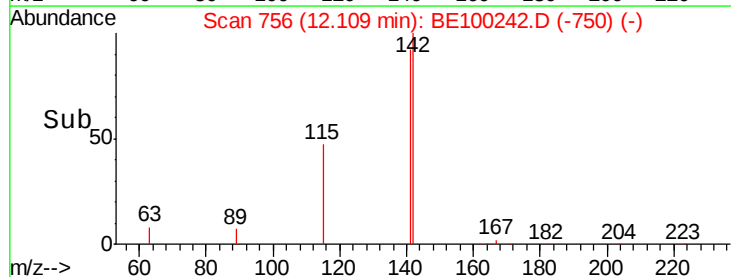
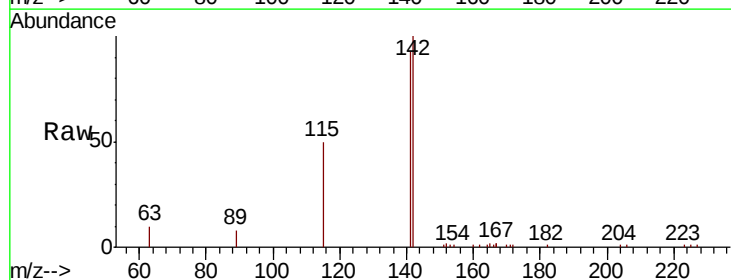
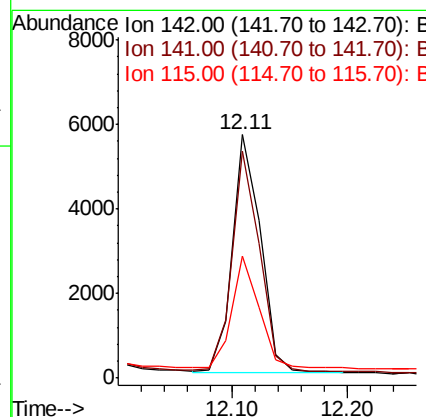
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#12
2-Methylnaphthalene
Concen: 1.811 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion:142 Resp: 9562
Ion Ratio Lower Upper
142 100
141 93.2 72.4 108.6
115 50.3 40.4 60.6





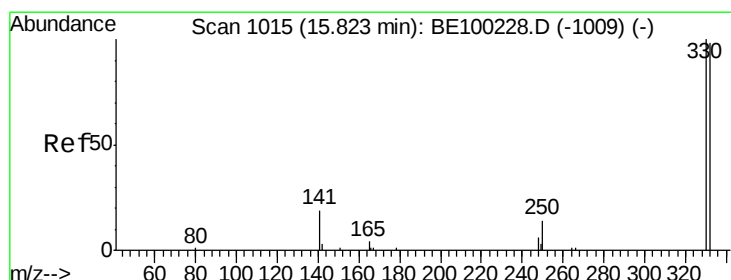
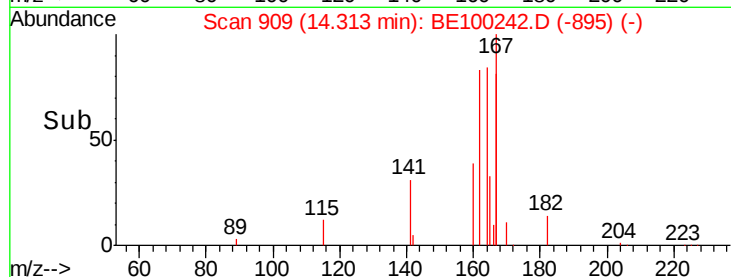
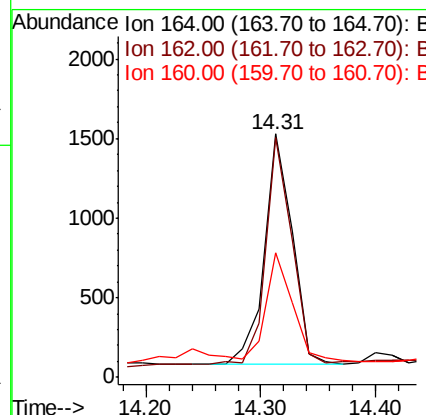
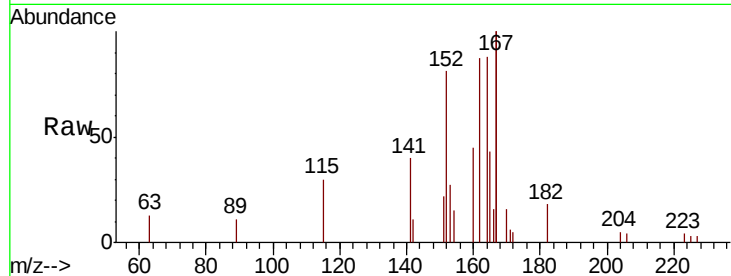
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.4	83.4	125.0
160	51.1	45.0	67.6

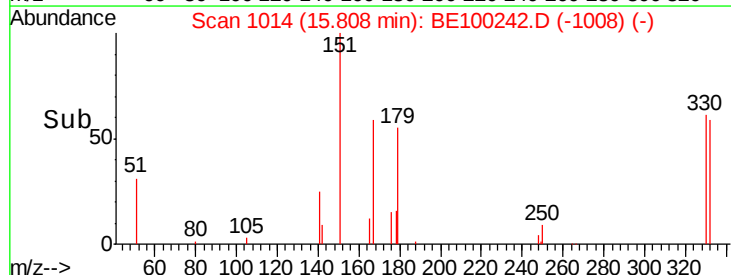
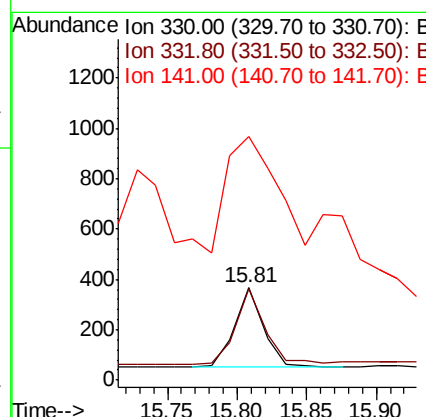
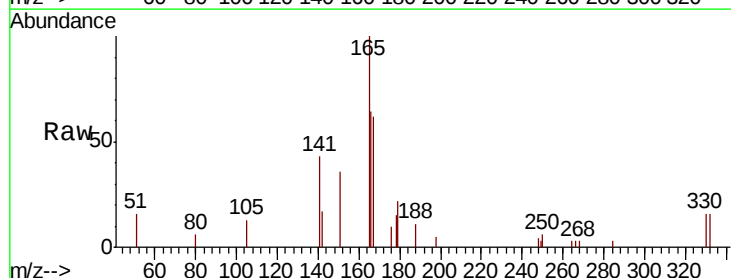
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#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.0	115.4
141	245.5	22.0	33.0#





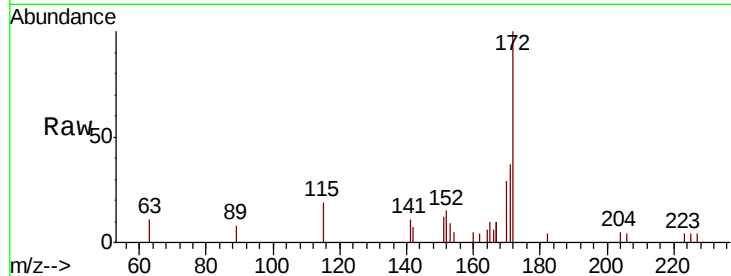
#15
2-Fluorobiphenyl
Concen: 0.215 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

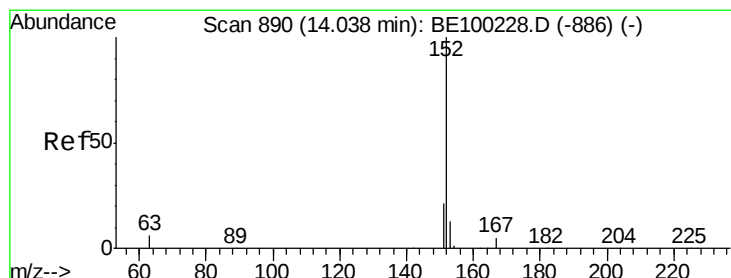
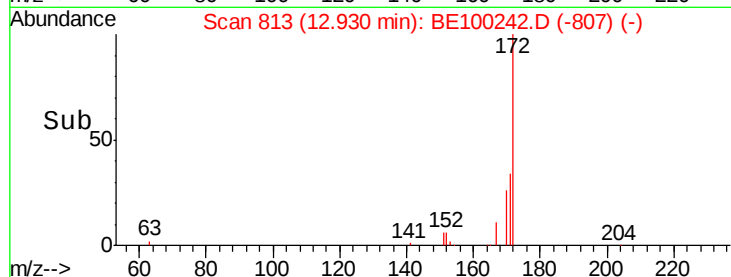
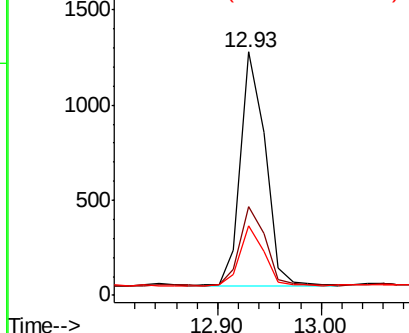
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.9	47.9
170	28.7	22.2	33.2

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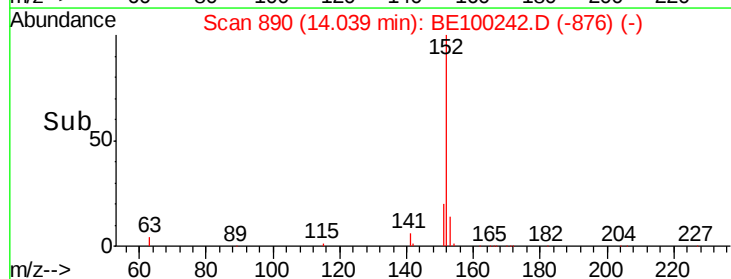
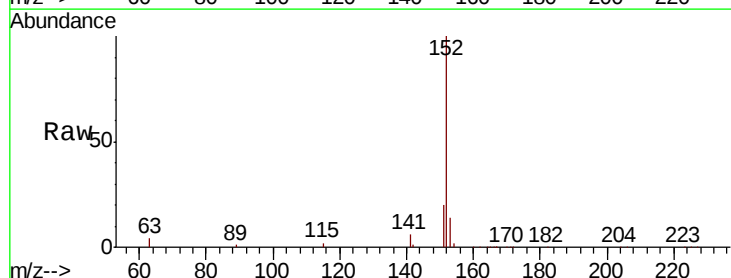
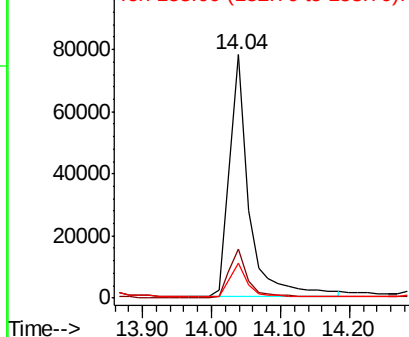
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

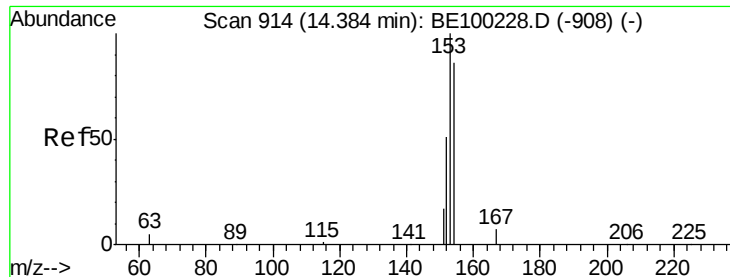


#16
Acenaphthylene
Concen: 13.117 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.4	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





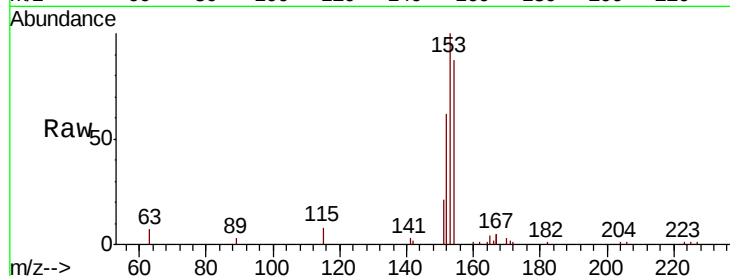
#17
Acenaphthene
Concen: 1.585 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

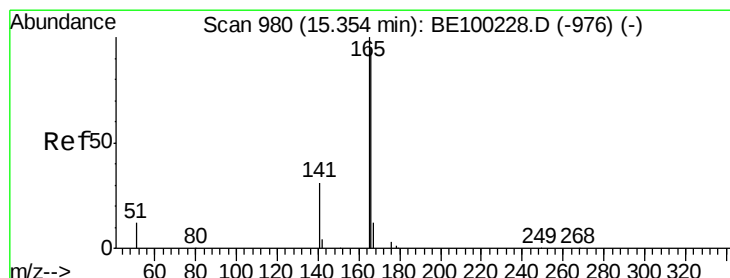
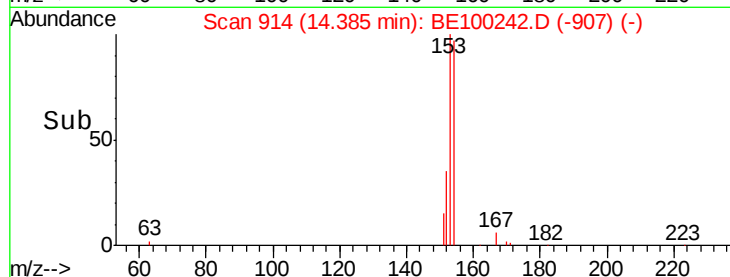
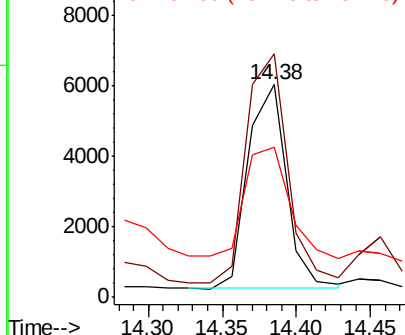
Tot Ion	Ratio	Lower	Upper
154	100		
153	120.6	93.4	140.2
152	62.2	49.4	74.2

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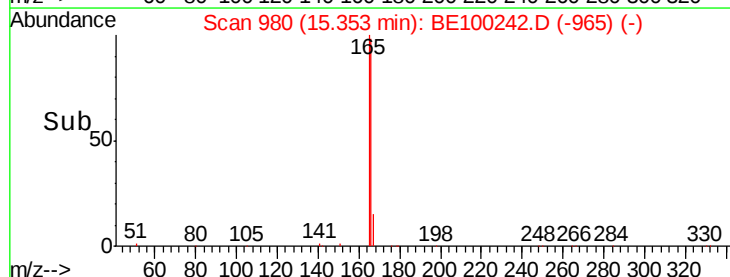
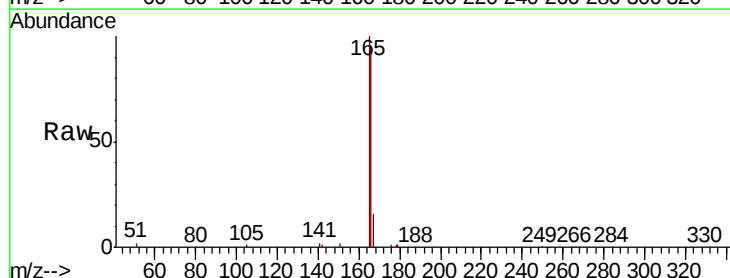
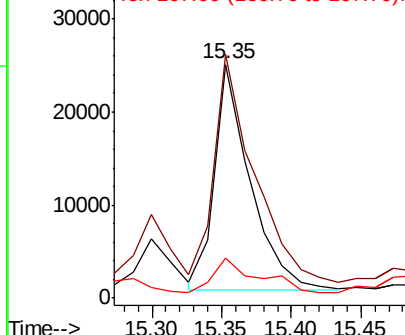
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

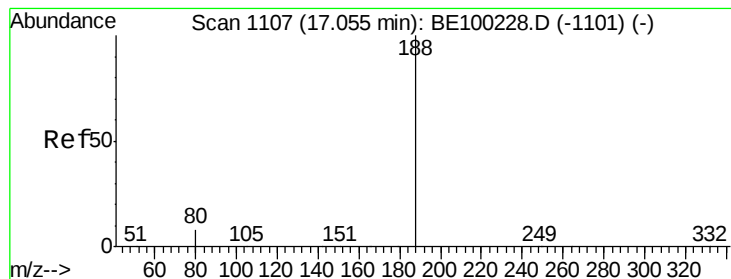


#18
Fluorene
Concen: 4.418 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.9	81.1	121.7
167	19.6	10.7	16.1#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Instrument :

BNA_E

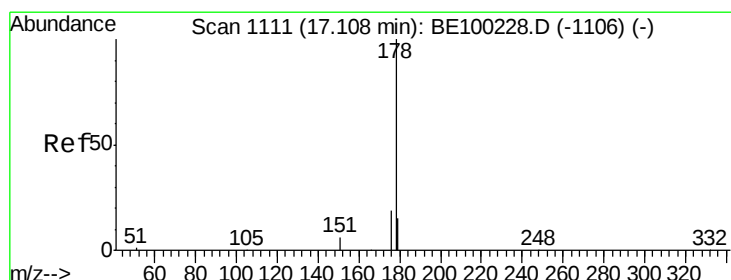
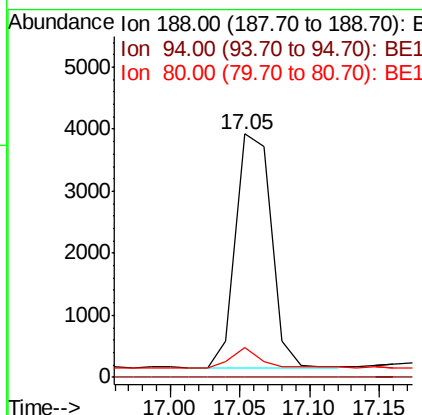
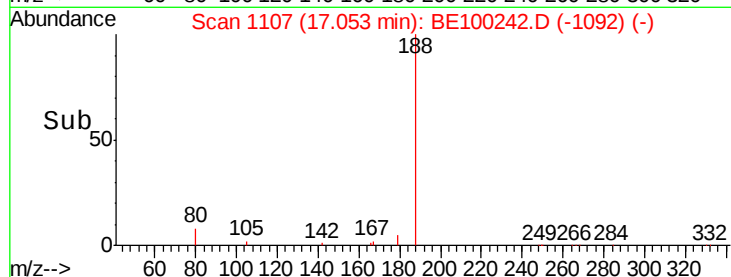
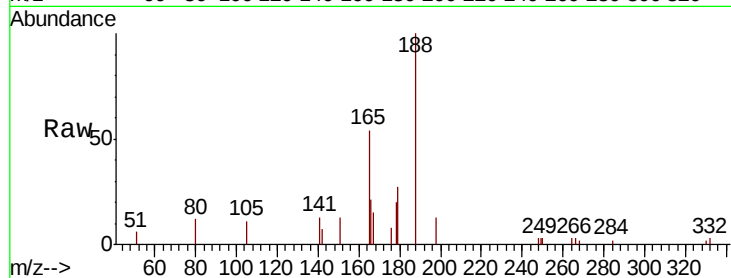
ClientSampleId :

EXT-013-SW166-061319

Tot Ion:	188	Resp:	6677
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.2	7.6	11.4#

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#23

Phenanthrene

Concen: 63.635 ng

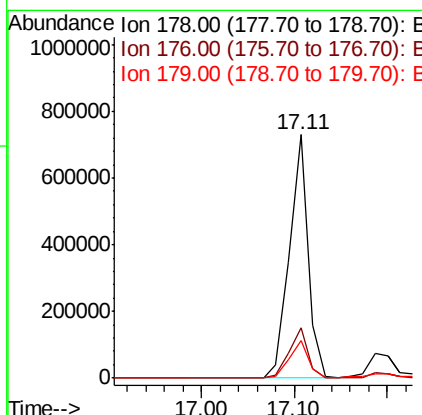
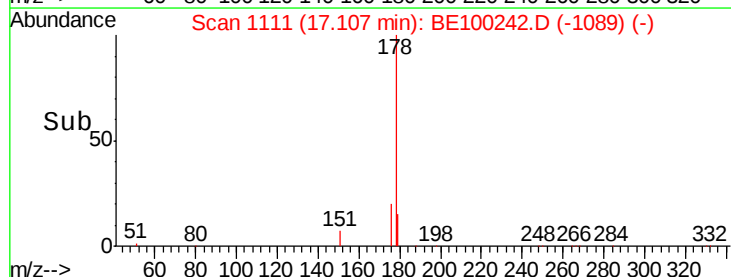
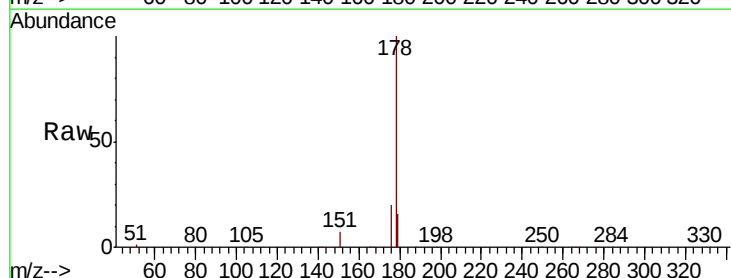
RT: 17.11 min Scan# 1111

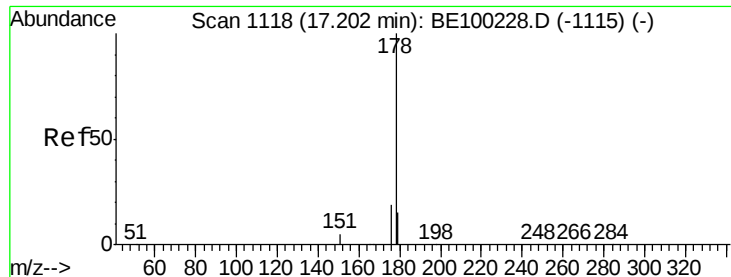
Delta R.T. -0.00 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Tgt Ion:	178	Resp:	1029808
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.9	23.9
179	15.9	12.2	18.2





#24

Anthracene

Concen: 11.130 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Instrument :

BNA_E

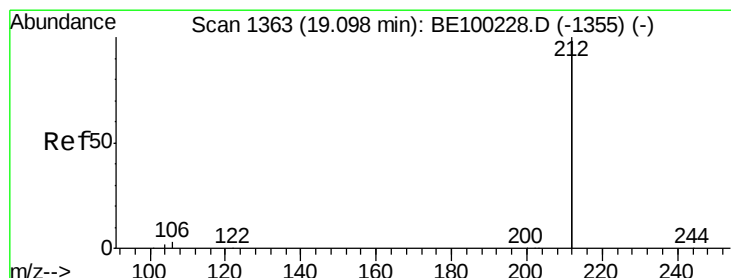
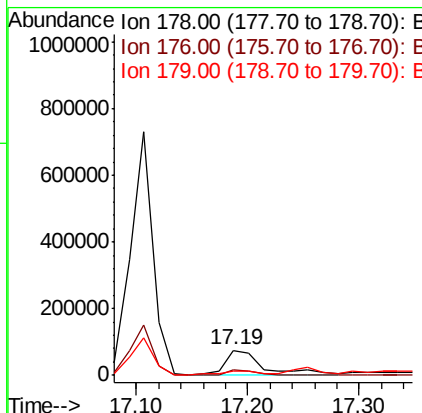
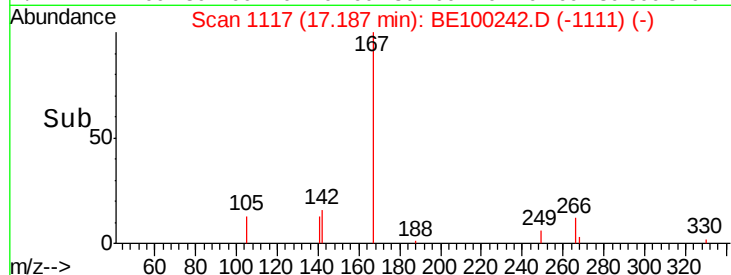
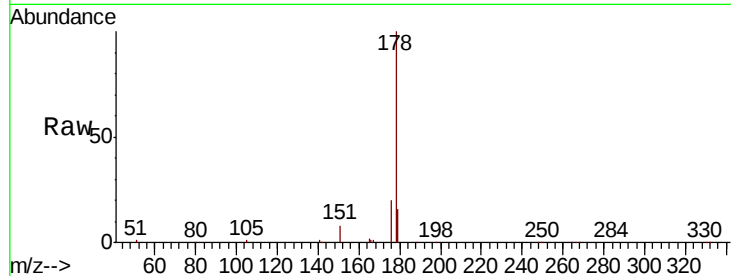
ClientSampleId :

EXT-013-SW166-061319

Tot Ion:	178	Resp:	162207
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	11.2	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.349 ng

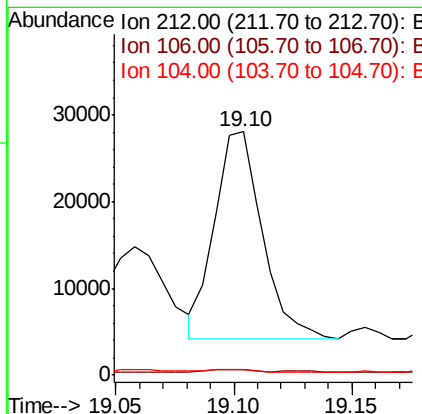
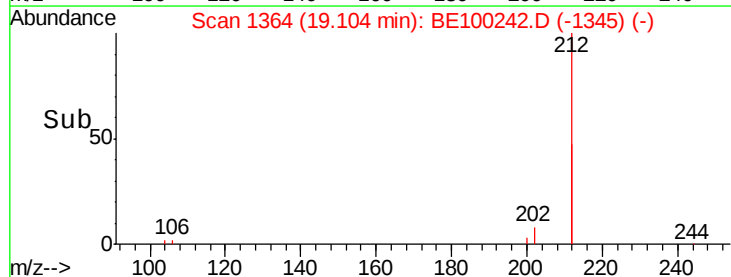
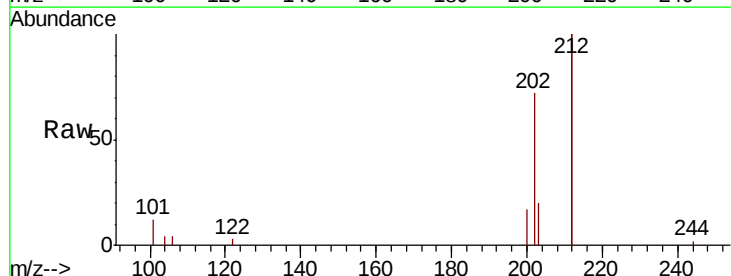
RT: 19.10 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Tgt Ion:	212	Resp:	33826
Ion Ratio	Lower	Upper	
212	100		
106	1.3	1.3	1.9#
104	1.3	0.8	1.2#





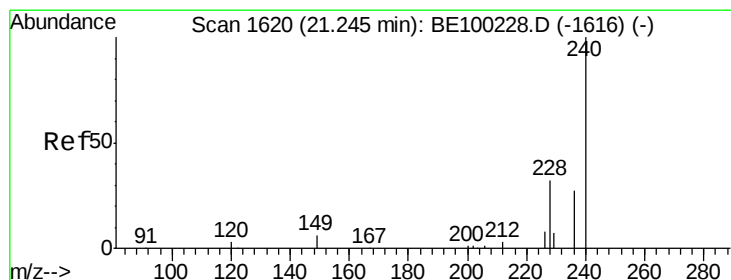
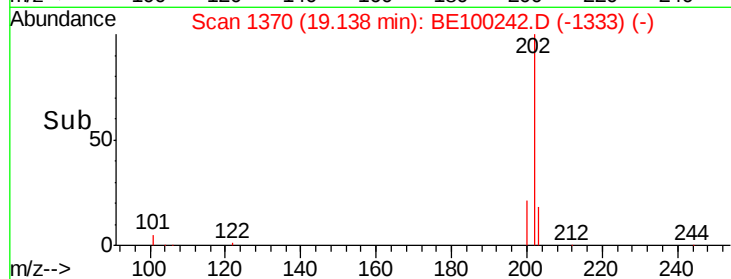
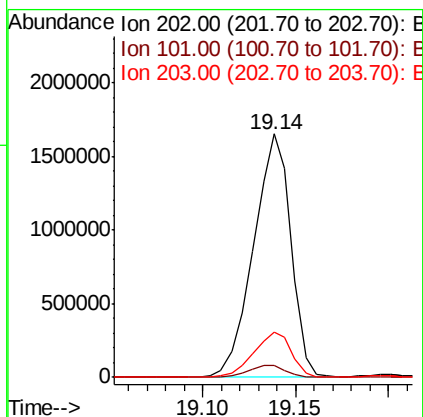
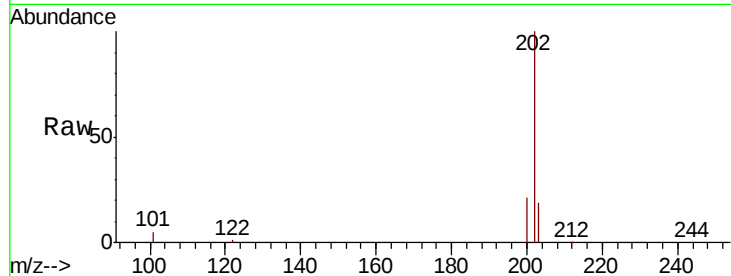
#26
 Fluoranthene
 Concen: 89.962 ng
 RT: 19.14 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: BE100242.D
 Acq: 28 Jun 2019 19:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	4.9	4.6	7.0
203	18.6	13.7	20.5

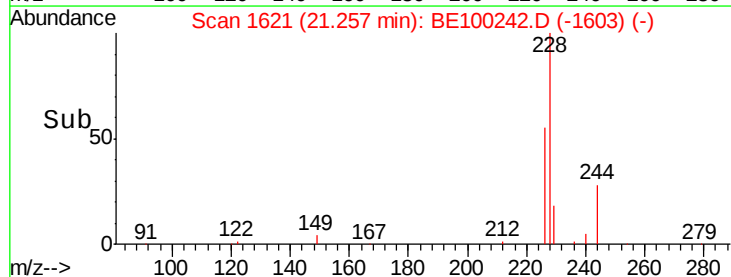
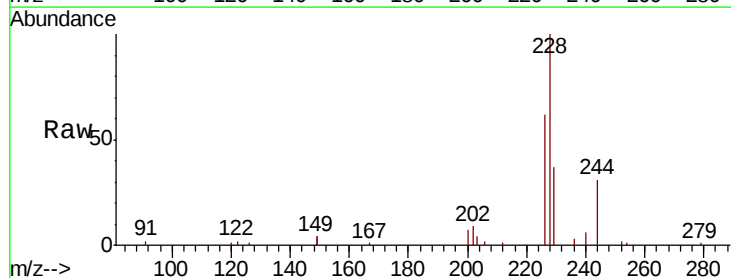
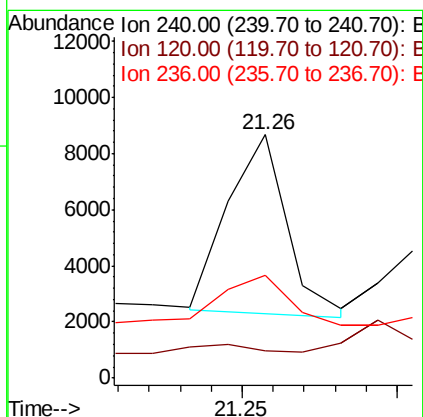
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#27
 Chrysene-d12
 Concen: 0.400 ng m
 RT: 21.26 min Scan# 1621
 Delta R.T. 0.01 min
 Lab File: BE100242.D
 Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	3.3	4.9#
236	42.3	22.6	34.0#





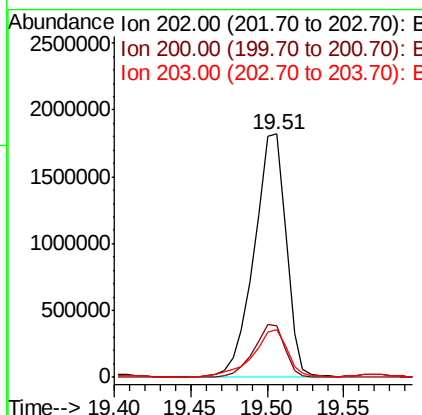
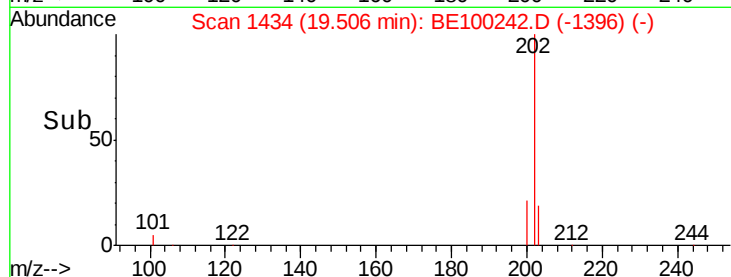
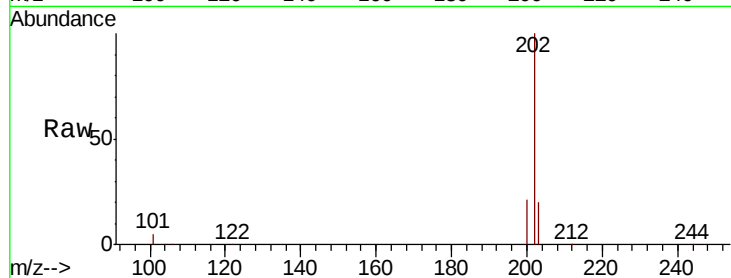
#28
Pvrene
Concen: 117.241 ng
RT: 19.51 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion:202 Resp: 2609216
Ion Ratio Lower Upper
202 100
200 21.2 15.6 23.4
203 20.8 14.0 21.0

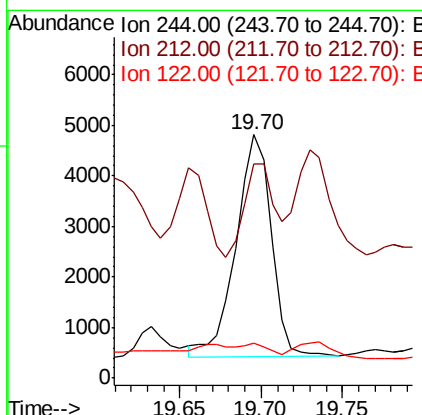
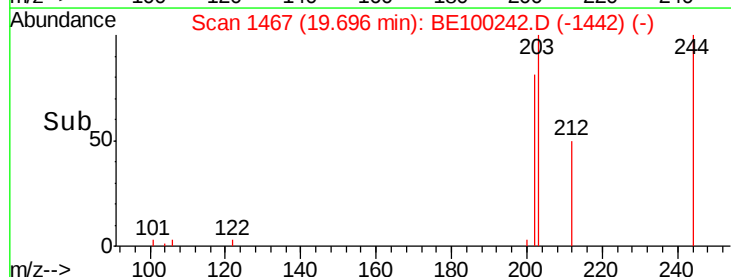
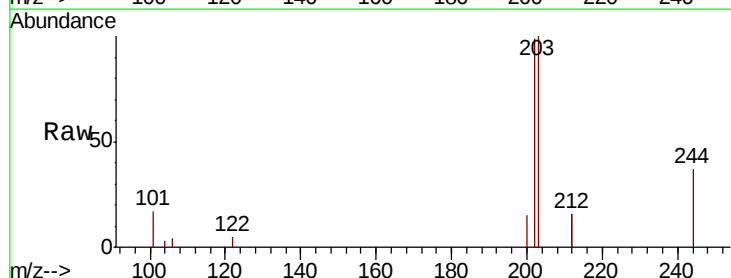
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#29
Terphenyl-d14
Concen: 0.380 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion:244 Resp: 6628
Ion Ratio Lower Upper
244 100
212 87.8 27.3 40.9#
122 14.1 4.7 7.1#





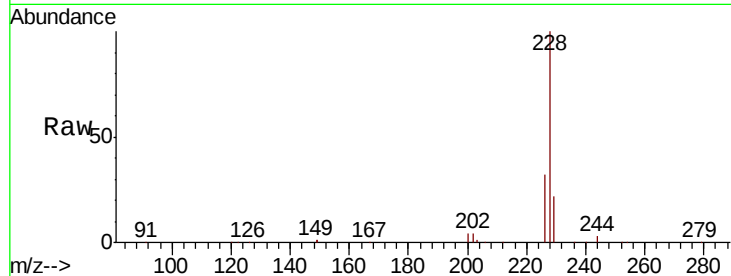
#30
Benzo(a)anthracene
Concen: 51.057 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.2	34.8
229	22.2	15.7	23.5

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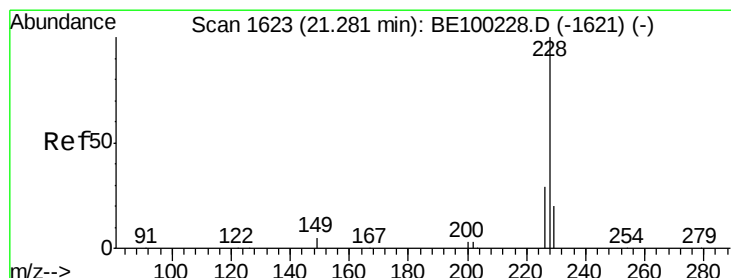
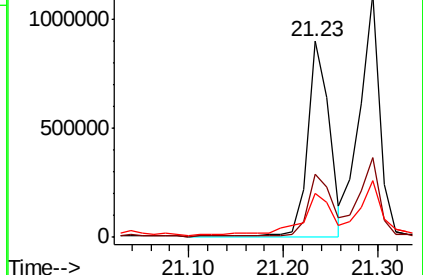
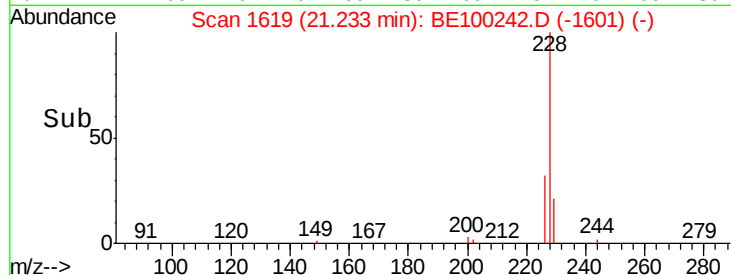


Abundance

Ion 228.00 (227.70 to 228.70): E

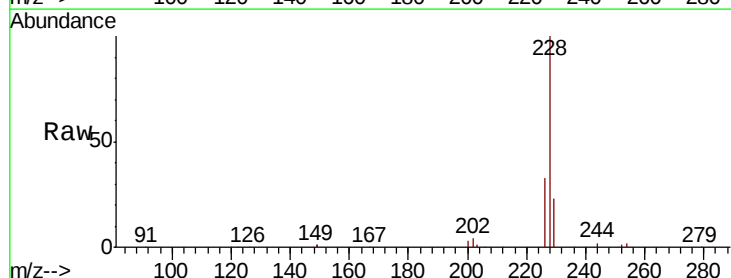
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 58.602 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.9	35.9
229	23.1	16.5	24.7

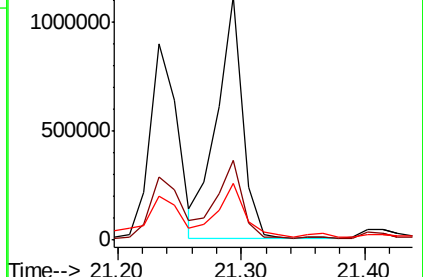
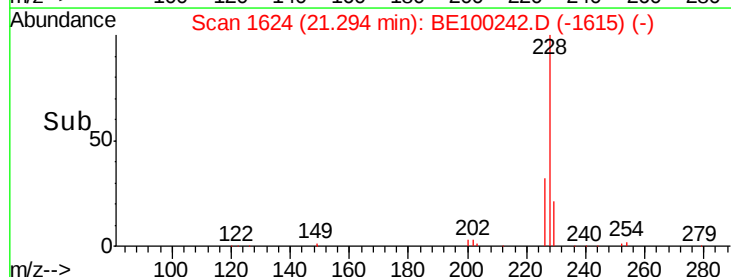


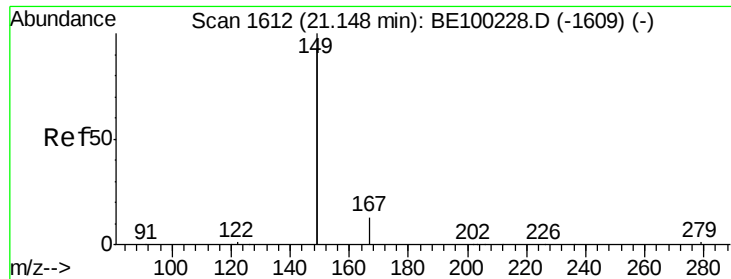
Abundance

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: 0.987 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

Instrument :

BNA_E

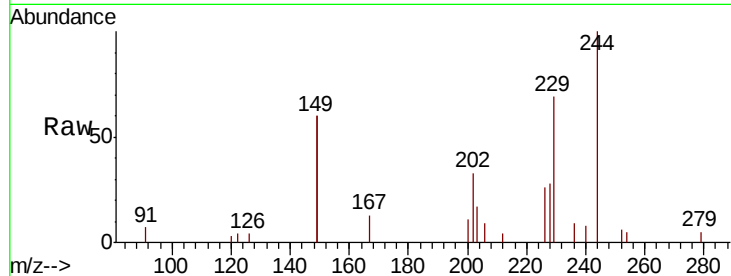
ClientSampleId :

EXT-013-SW166-061319

Tot Ion:	149	Resp:	40808
Ion Ratio	Lower	Upper	
149	100		
167	8.5	5.8	8.8
279	1.6	1.1	1.7

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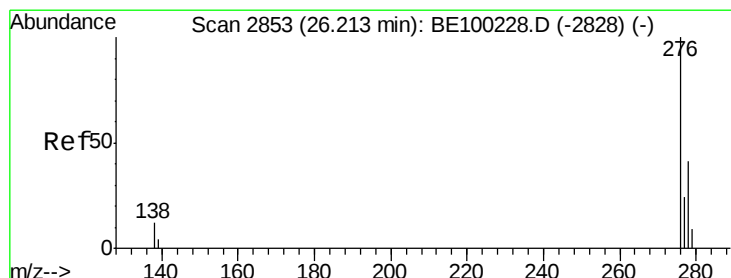
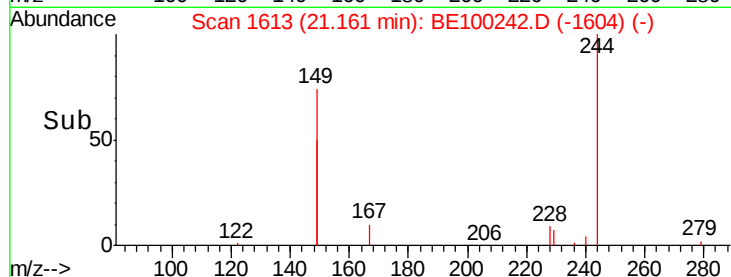
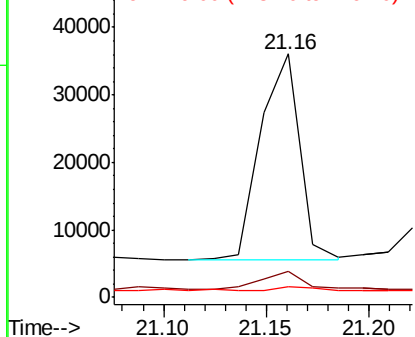


Abundance

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: 25.849 ng

RT: 26.27 min Scan# 2869

Delta R.T. 0.06 min

Lab File: BE100242.D

Acq: 28 Jun 2019 19:39

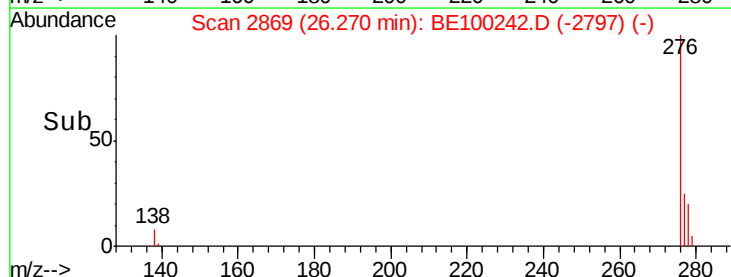
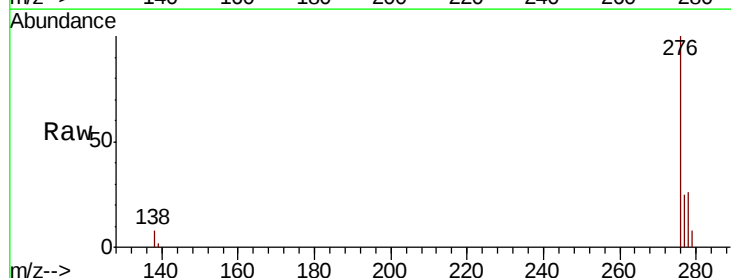
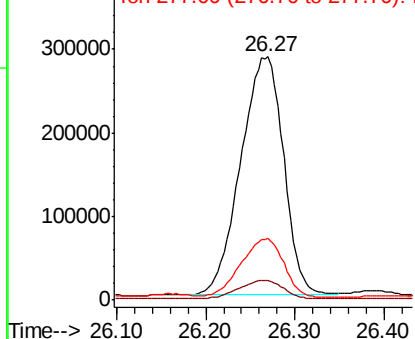
Tgt Ion:	276	Resp:	948869
Ion Ratio	Lower	Upper	
276	100		
138	8.0	9.4	14.0#
277	24.9	19.2	28.8

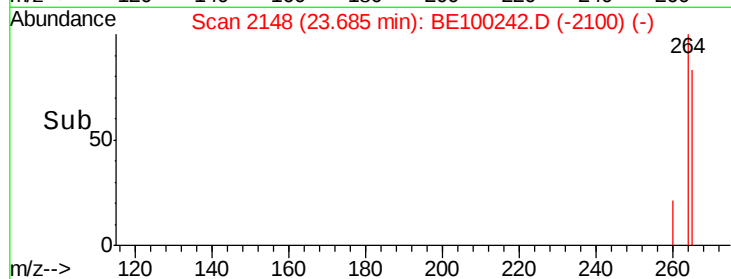
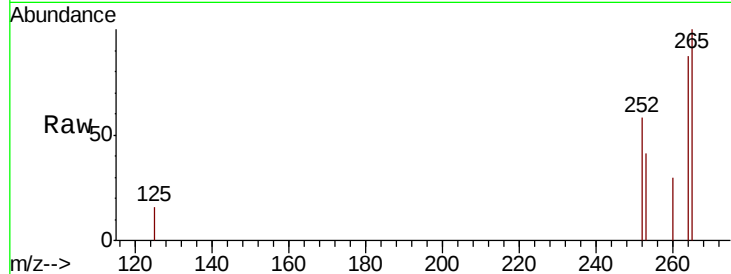
Abundance

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





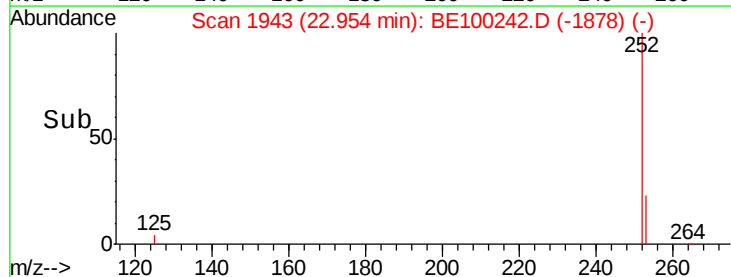
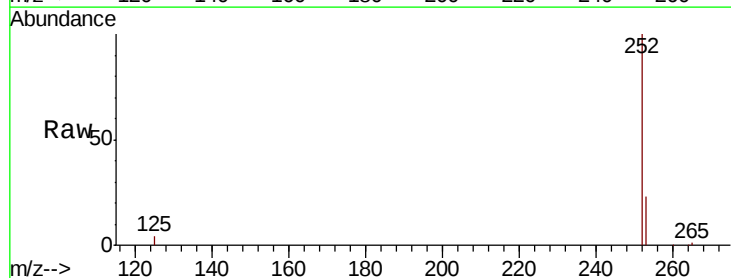
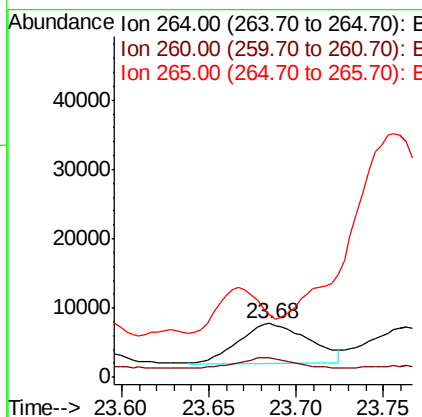
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2148
 Delta R.T. 0.02 min
 Lab File: BE100242.D
 Acq: 28 Jun 2019 19:39

Tot Ion	Ratio	Lower	Upper
264	100		
260	35.2	20.8	31.2#
265	115.5	21.8	32.6#

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW166-061319

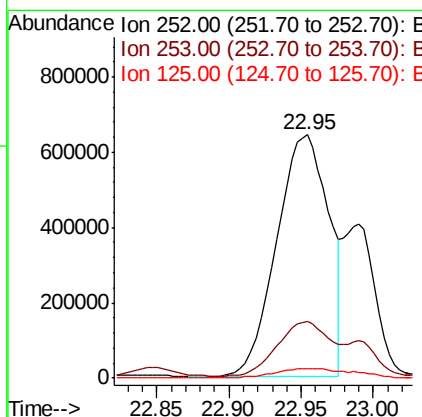
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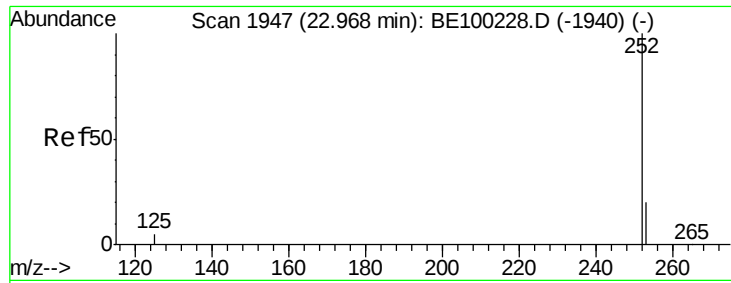
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#35
 Benzo(b)fluoranthene
 Concen: 37.133 ng
 RT: 22.95 min Scan# 1943
 Delta R.T. 0.03 min
 Lab File: BE100242.D
 Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	4.1	7.4	11.0#





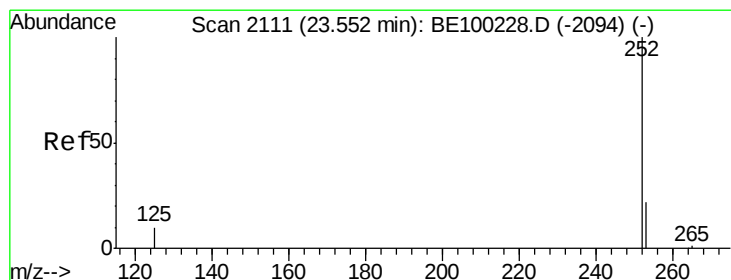
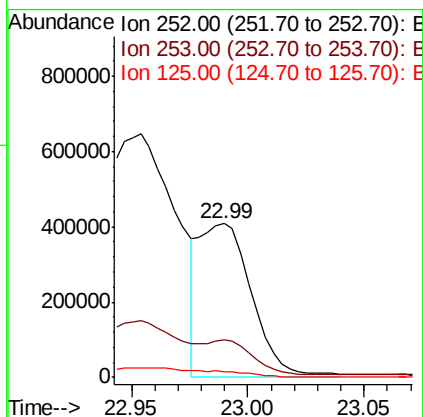
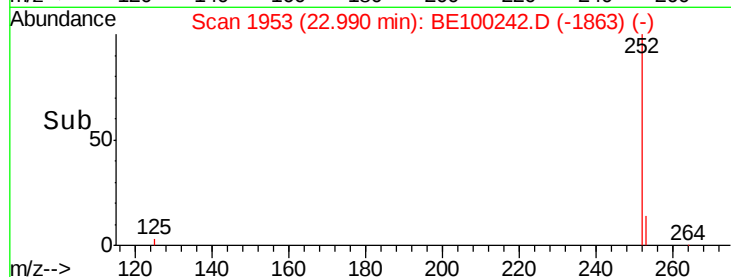
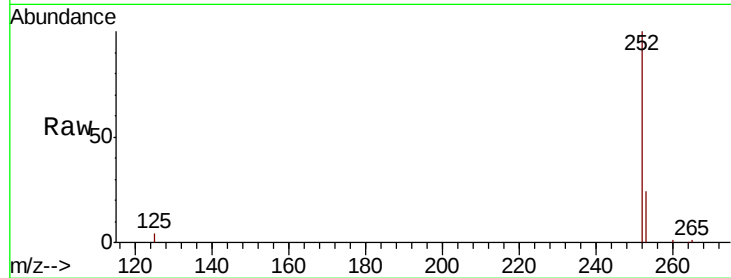
#36
Benzo(k)fluoranthene
Concen: 13.289 ng
RT: 22.99 min Scan# 1953
Delta R.T. 0.02 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	4.0	5.0	7.4

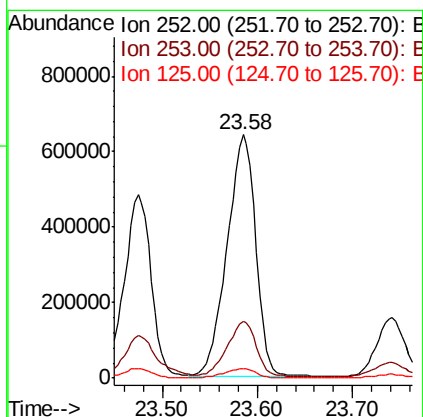
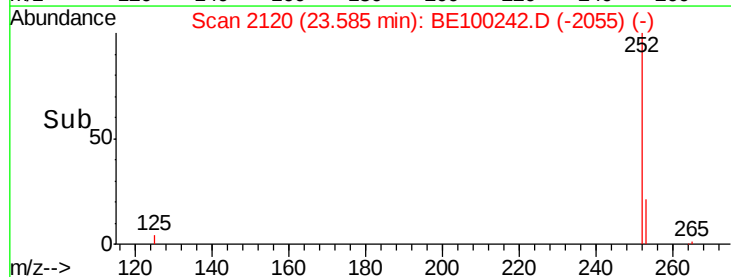
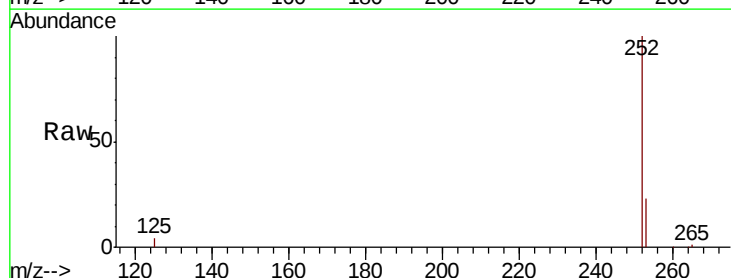
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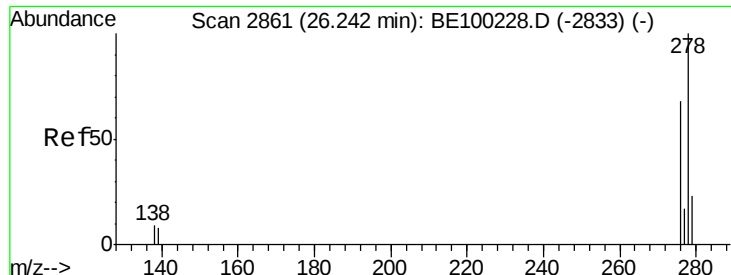
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#37
Benzo(a)pyrene
Concen: 30.573 ng
RT: 23.58 min Scan# 2120
Delta R.T. 0.03 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.6	29.4
125	4.0	9.0	13.6





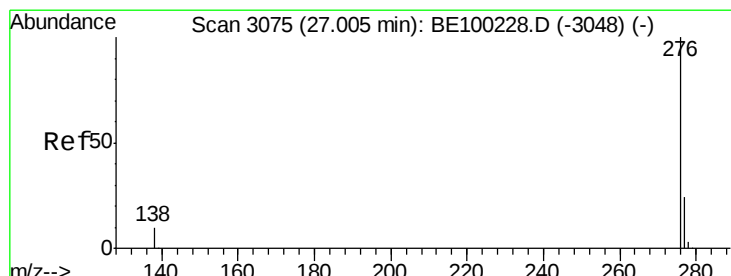
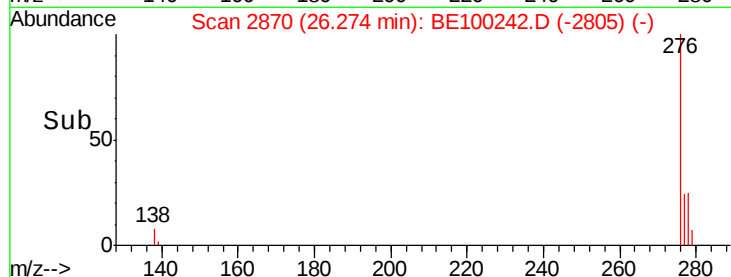
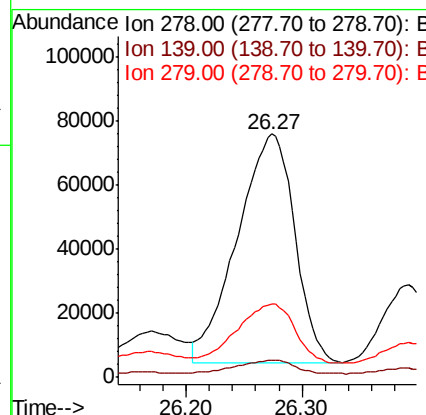
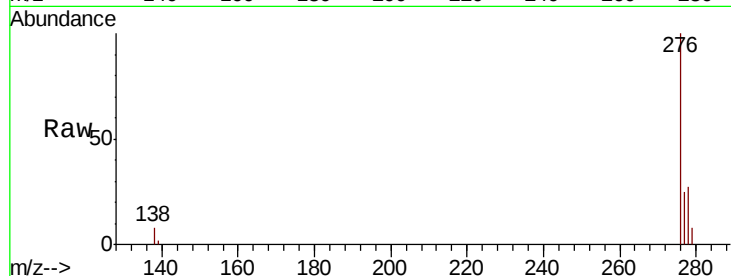
#38
Dibenzo(a,h)anthracene
Concen: 5.374 ng
RT: 26.27 min Scan# 2870
Delta R.T. 0.03 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW166-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.1	8.2	12.2#
279	30.1	20.3	30.5

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#39
Benzo(g,h,i)perylene
Concen: 21.907 ng
RT: 27.07 min Scan# 3094
Delta R.T. 0.07 min
Lab File: BE100242.D
Acq: 28 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	8.1	9.0	13.6#

