

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100287.D
 Acq On : 2 Jul 2019 5:22
 Operator : JU/SJ
 Sample : K3445-19 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW122-061719

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:53:00 PM

Quant Time: Jul 02 07:07:04 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	1006	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3525	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2550	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6990	0.40	ng	0.01
27) Chrysene-d12	21.25	240	9038	0.40	ng	0.00
34) Perylene-d12	23.69	264	10313	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	175	0.07	ng	0.01
5) Phenol-d6	6.84	99	213	0.06	ng	0.00
8) Nitrobenzene-d5	8.81	82	242	0.07	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	417	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	122	0.07	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	623	0.06	ng	0.00
25) Fluoranthene-d10	19.10	212	5761	0.06	ng	0.00
29) Terphenyl-d14	19.70	244	1750	0.09	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	2451	0.063	ng	# 93
12) 2-Methylnaphthalene	12.12	142	421	0.062	ng	88
16) Acenaphthylene	14.04	152	1461	0.119	ng	94
17) Acenaphthene	14.39	154	216	0.031	ng	96
18) Fluorene	15.37	166	461	0.045	ng	# 92
23) Phenanthrene	17.11	178	12918	0.762	ng	99
24) Anthracene	17.20	178	2081	0.136	ng	98
26) Fluoranthene	19.13	202	31514	1.168	ng	98
28) Pyrene	19.49	202	31666	1.323	ng	# 96
30) Benzo(a)anthracene	21.23	228	21628	0.728	ng	# 88
31) Chrysene	21.28	228	20370	0.683	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.16	149	18493	0.383	ng	98
33) Indeno(1,2,3-cd)pyrene	26.26	276	12042	0.305	ng	# 96
35) Benzo(b)fluoranthene	22.94	252	25745	0.921	ng	# 81
36) Benzo(k)fluoranthene	22.98	252	8577m	0.275	ng	
37) Benzo(a)pyrene	23.57	252	17701	0.632	ng	# 82
38) Dibenzo(a,h)anthracene	26.26	278	3044	0.104	ng	# 14
39) Benzo(a,h,i)perylene	27.05	276	13844	0.460	ng	# 83

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

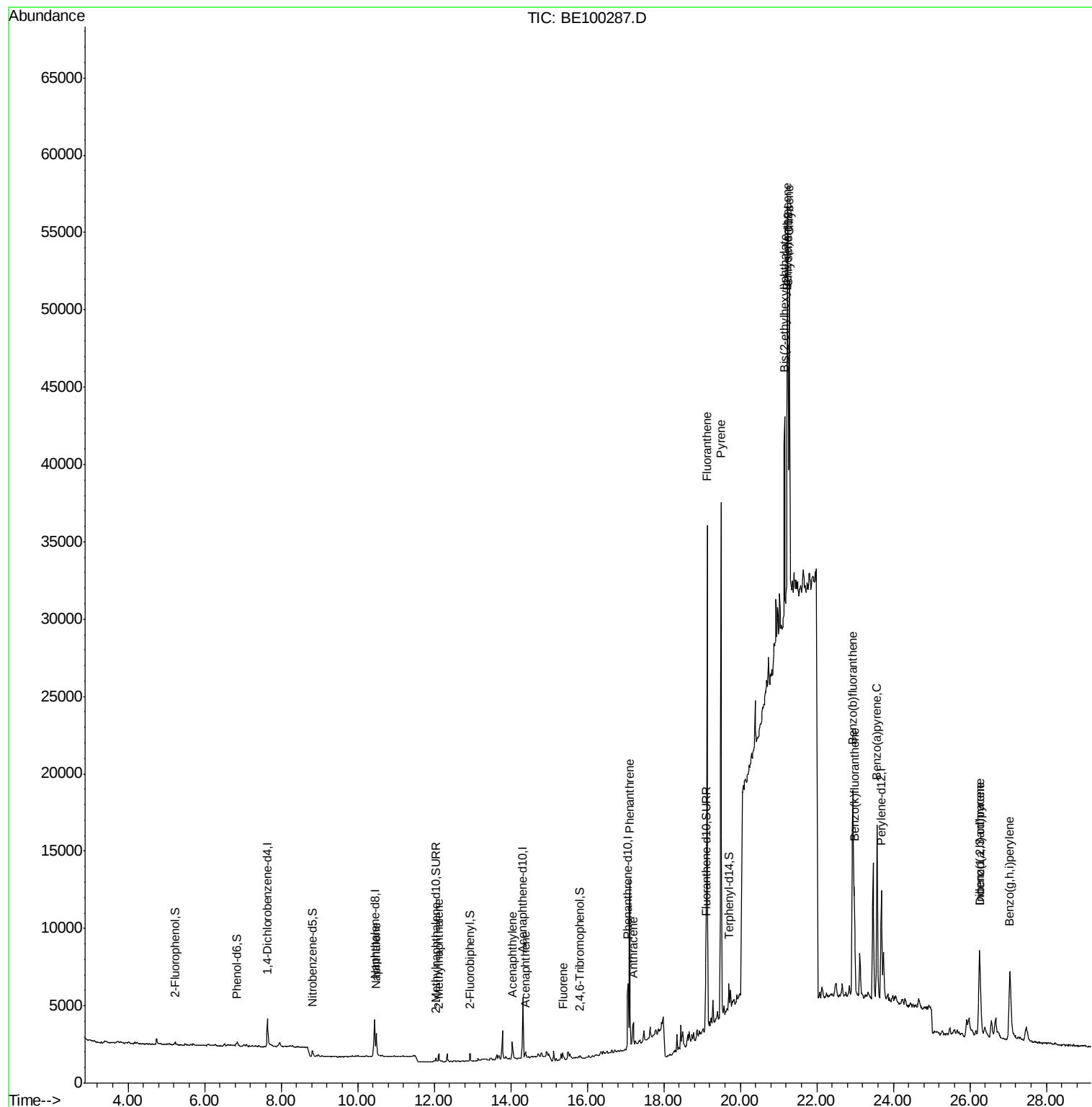
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100287.D
Acq On : 2 Jul 2019 5:22
Operator : JU/SJ
Sample : K3445-19 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

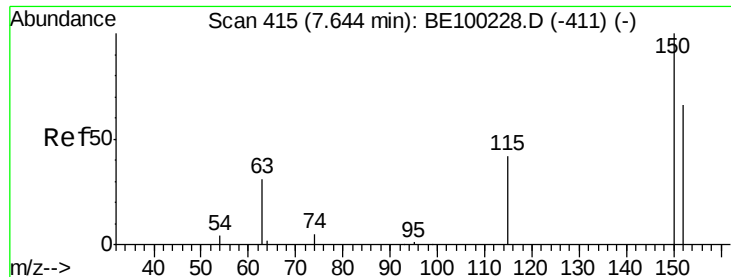
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Manual Integrations
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Quant Time: Jul 02 07:07:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

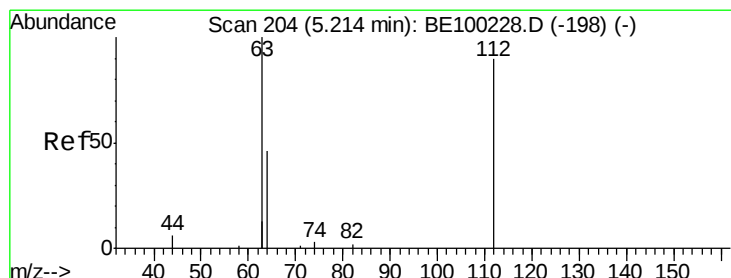
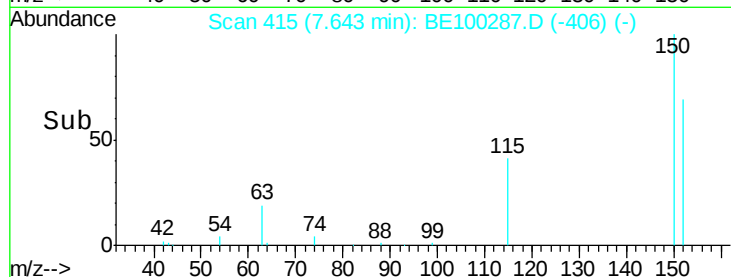
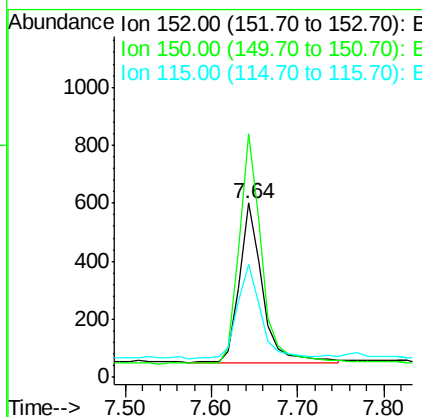
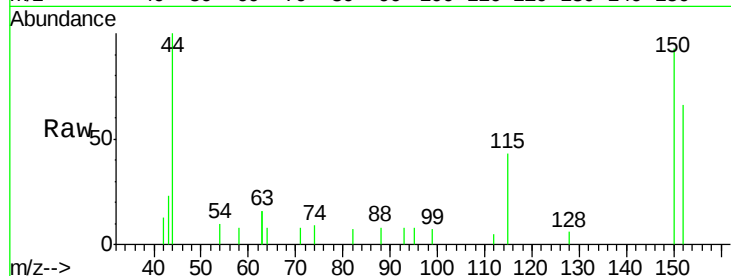
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.8	114.5	171.7
115	65.2	57.1	85.7

Manual Integrations
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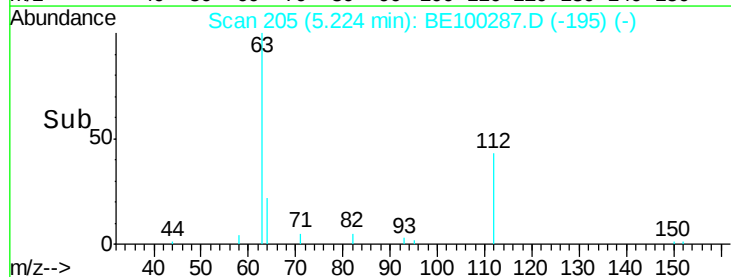
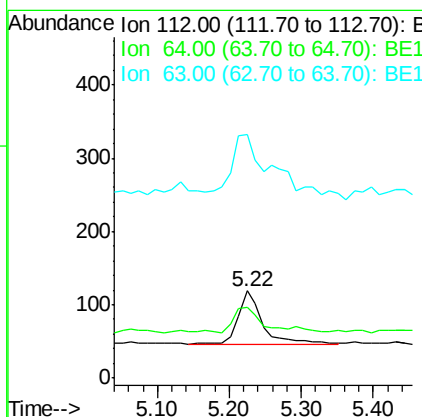
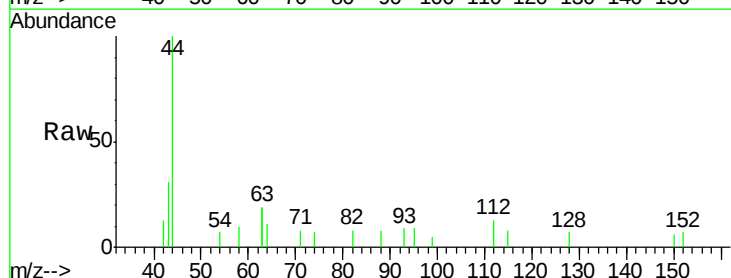
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#4

2-Fluorophenol
Concen: 0.068 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	39.4	59.0
63	207.4	104.5	156.7





#5

Phenol-d6

Concen: 0.063 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Instrument :

BNA_E

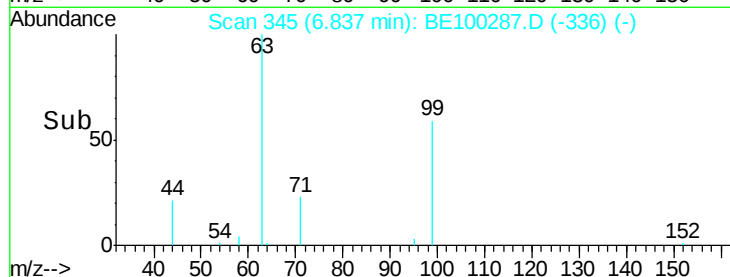
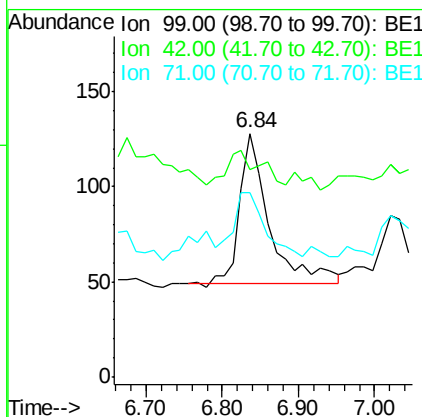
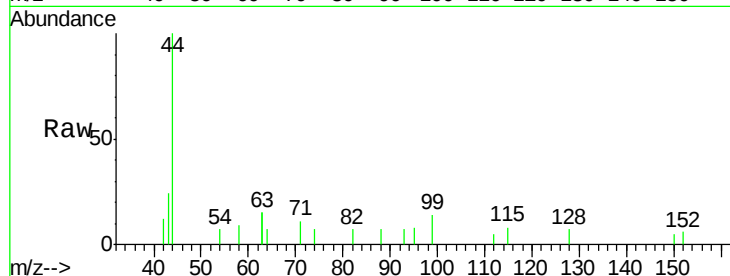
ClientSampleId :

EXT-008-SW122-061719

Tot Ion:	99	Resp:	213
Ion	Ratio	Lower	Upper
99	100		
42	24.4	11.2	16.8#
71	45.5	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

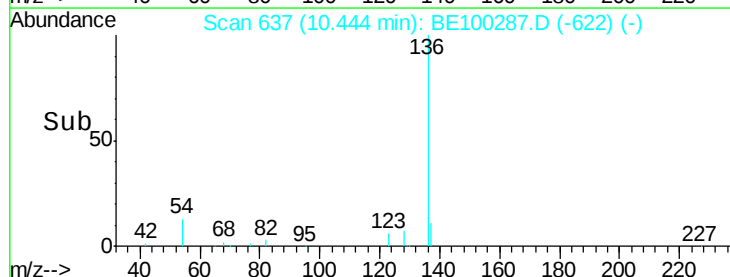
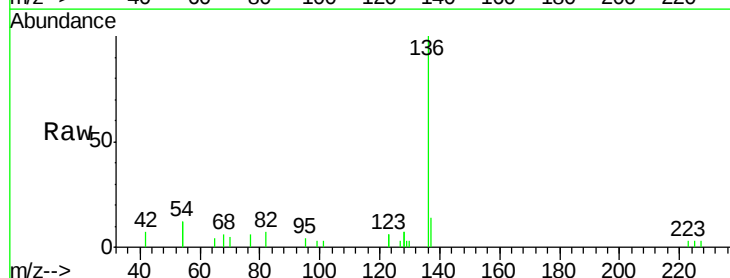
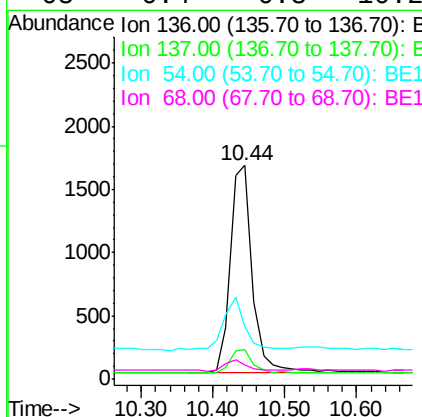
RT: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Tgt Ion:	136	Resp:	3525
Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.8	17.8
54	24.6	27.7	41.5#
68	6.4	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.069 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Instrument :

BNA_E

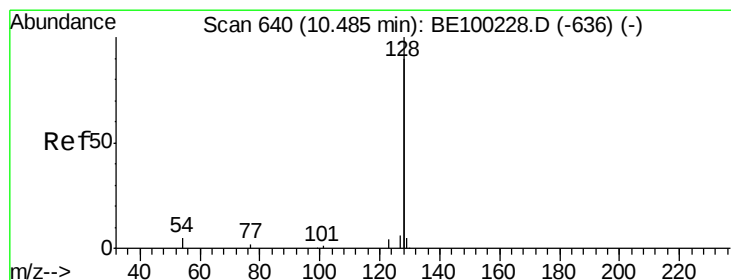
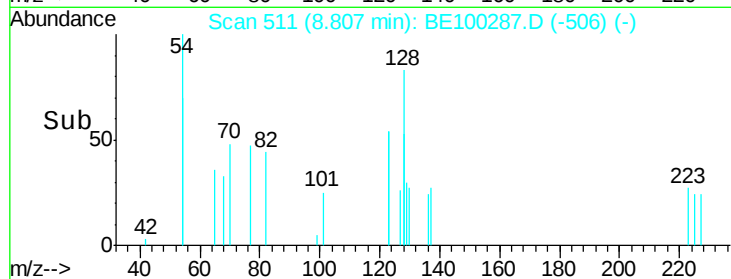
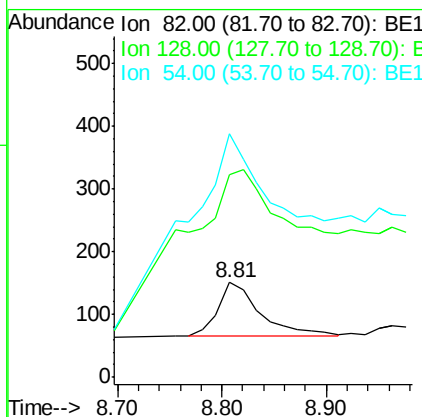
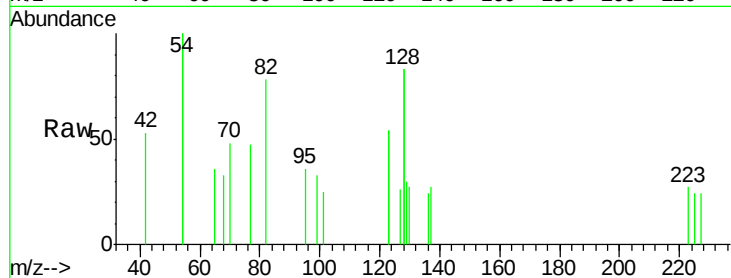
ClientSampleId :

EXT-008-SW122-061719

Tot Ion:	82	Resp:	242
Ion Ratio	Lower	Upper	
82	100		
128	213.2	140.9	211.3#
54	257.0	146.2	219.2#

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#9

Naphthalene

Concen: 0.063 ng

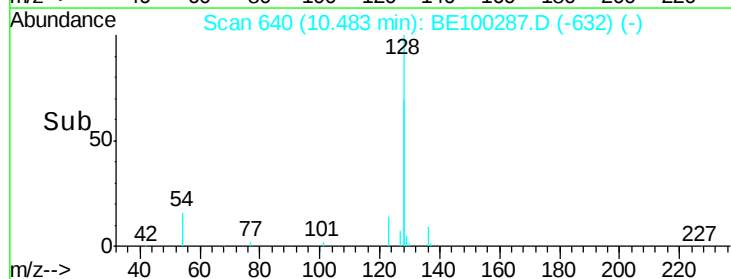
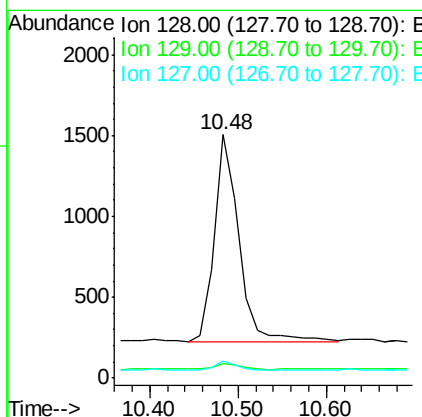
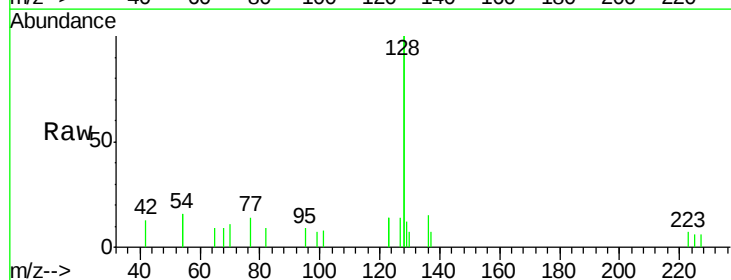
RT: 10.48 min Scan# 640

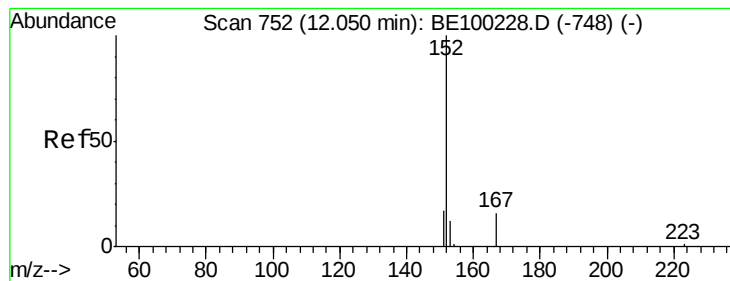
Delta R.T. -0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Tgt Ion:	128	Resp:	2451
Ion Ratio	Lower	Upper	
128	100		
129	6.1	3.0	4.6#
127	6.8	3.5	5.3#





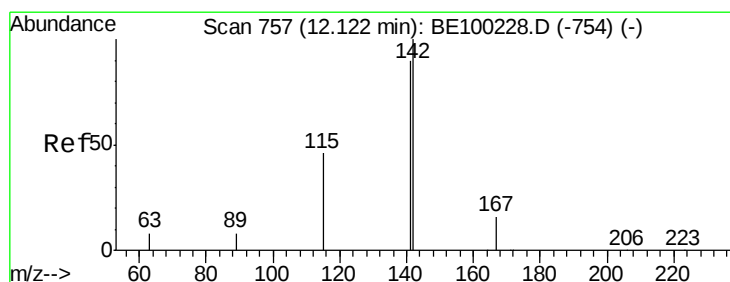
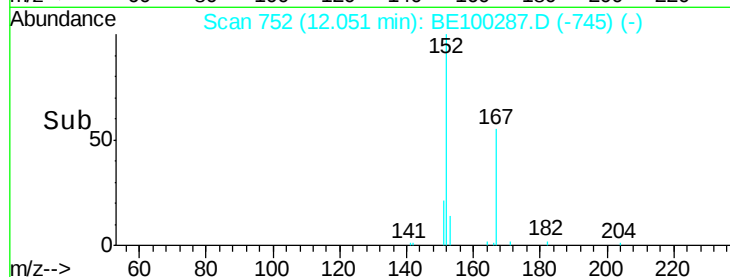
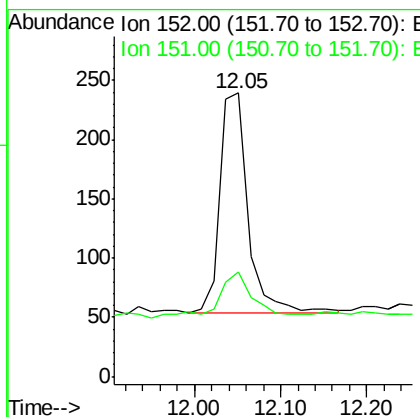
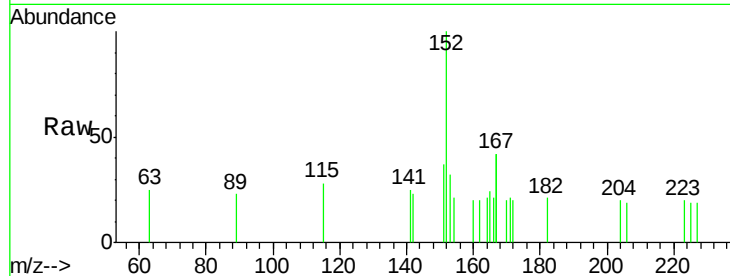
#11
2-Methylnaphthalene-d10
Concen: 0.063 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion:152 Resp: 417
Ion Ratio Lower Upper
152 100
151 20.4 15.1 22.7

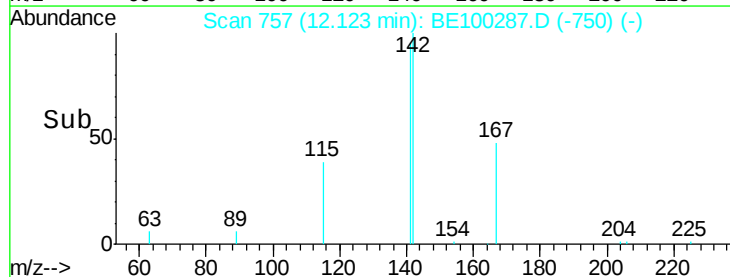
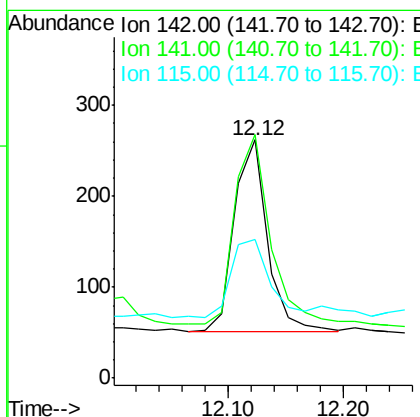
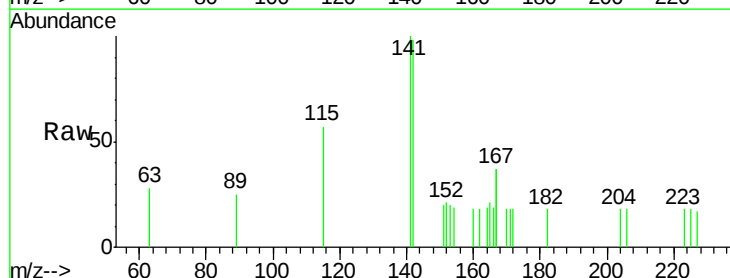
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#12
2-Methylnaphthalene
Concen: 0.062 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
141 102.3 72.4 108.6
115 58.0 40.4 60.6





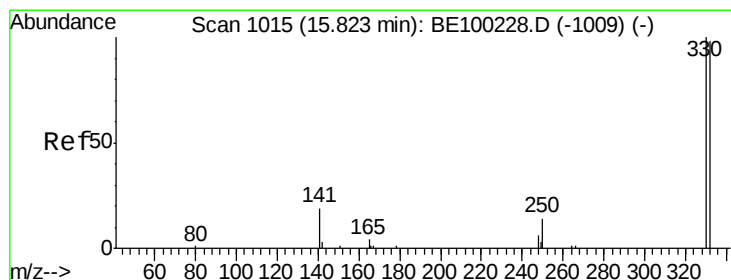
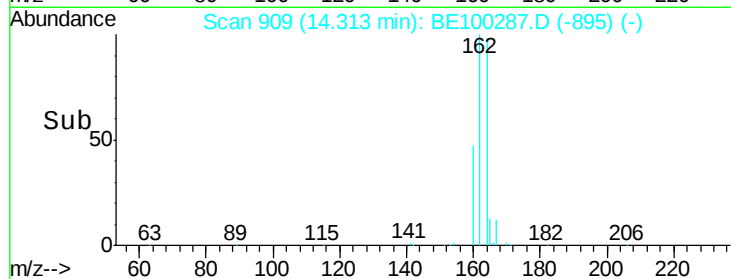
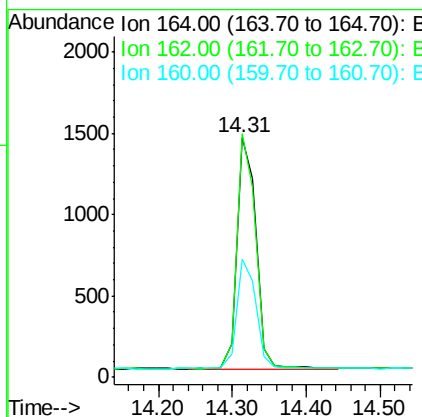
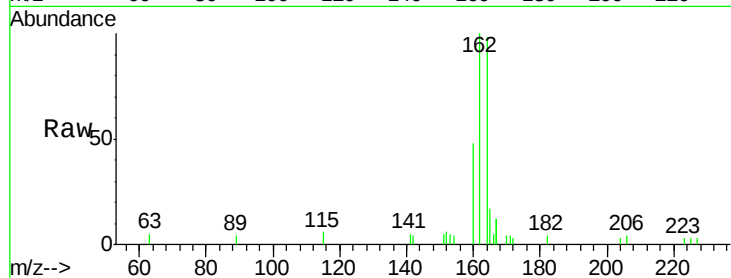
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.4	125.0
160	49.1	45.0	67.6

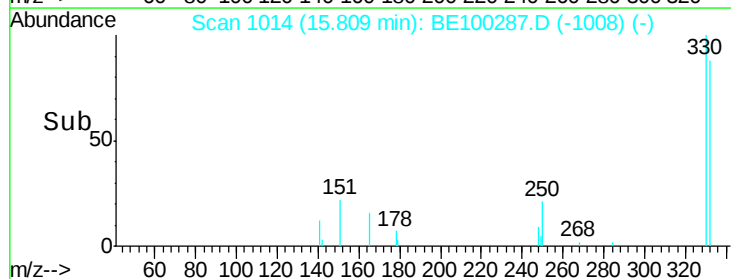
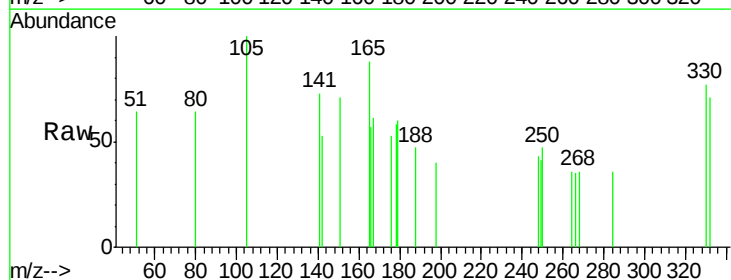
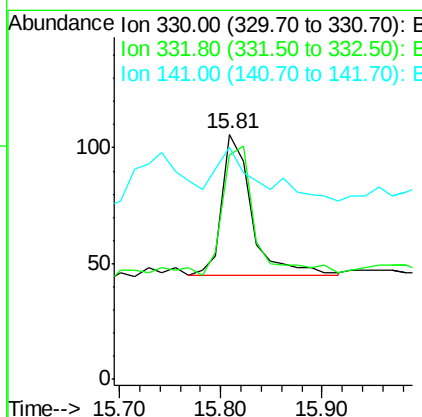
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#14
2,4,6-Tribromophenol
Concen: 0.068 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.4
141	54.1	22.0	33.0#





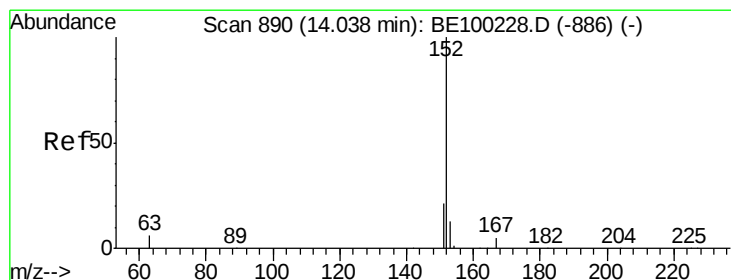
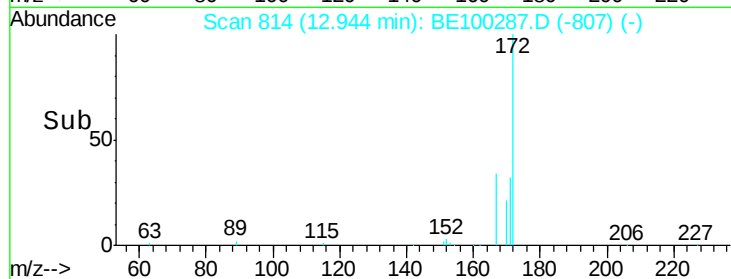
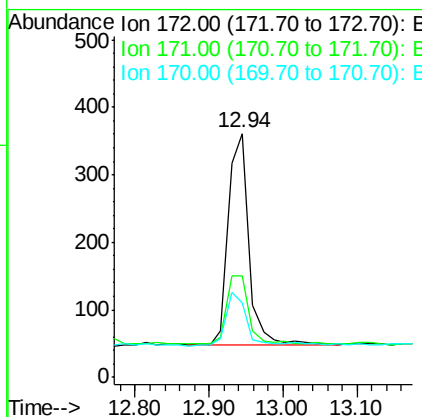
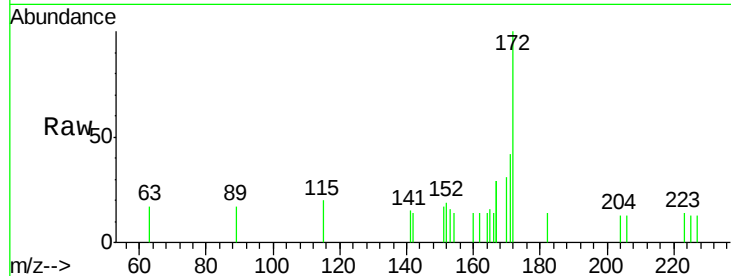
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.6	31.9	47.9
170	30.7	22.2	33.2

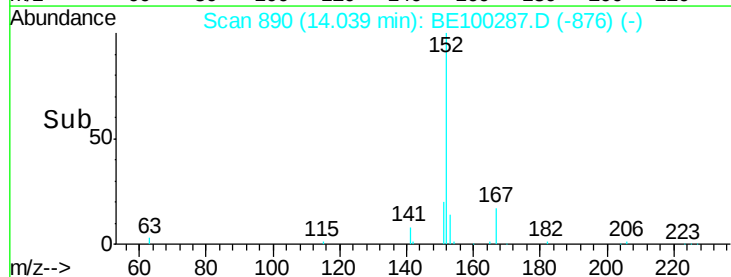
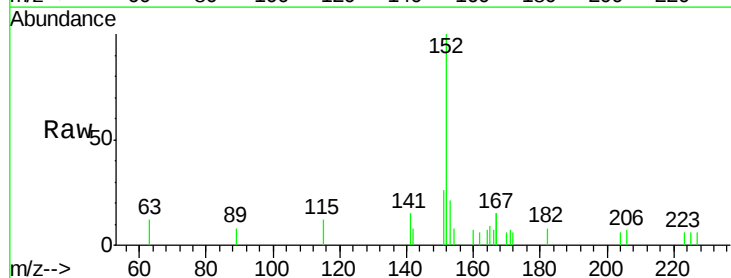
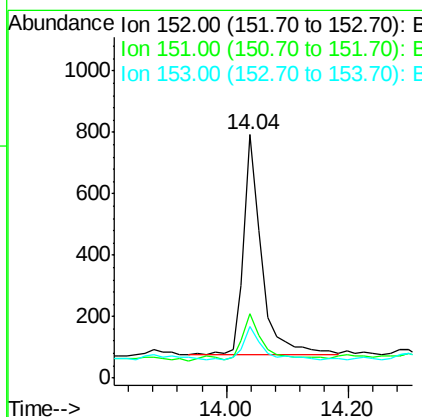
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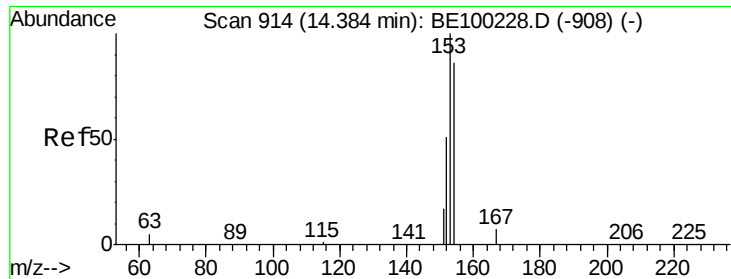
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#16
Acenaphthylene
Concen: 0.119 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.7	16.6	25.0
153	15.5	10.5	15.7





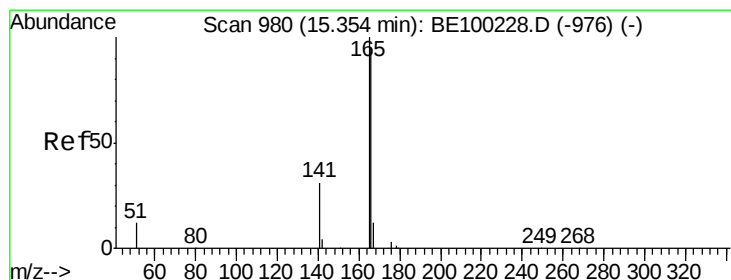
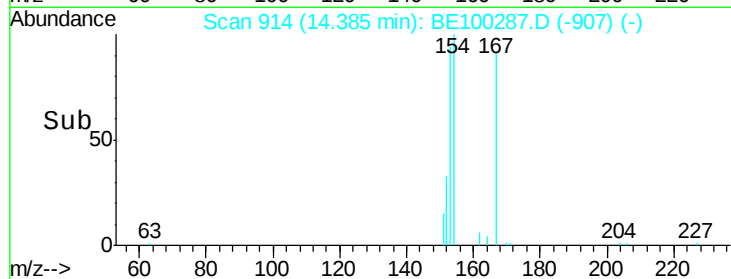
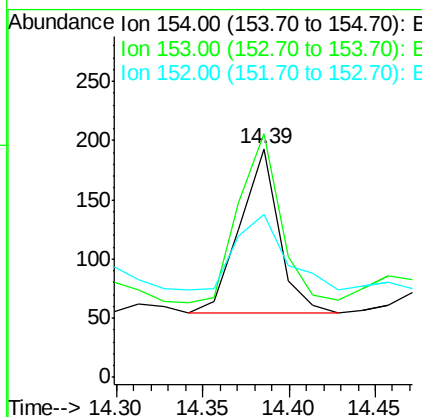
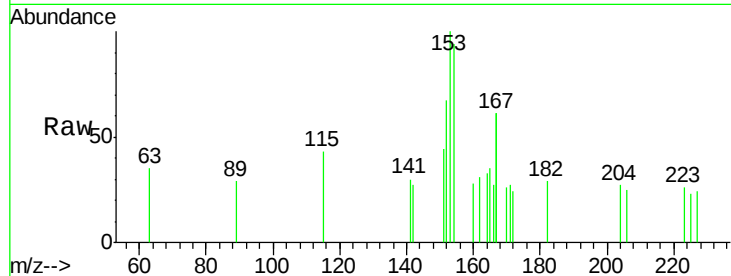
#17
Acenaphthene
Concen: 0.031 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.5	93.4	140.2
152	59.3	49.4	74.2

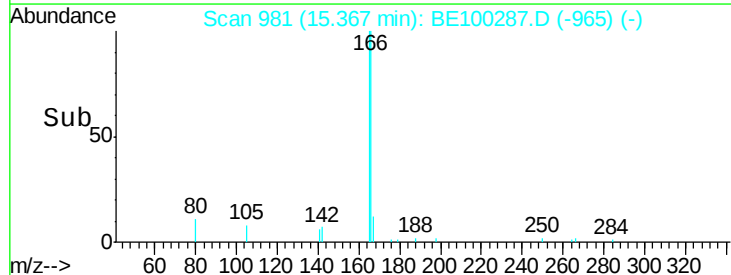
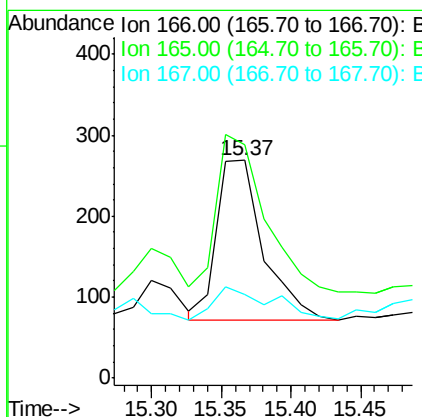
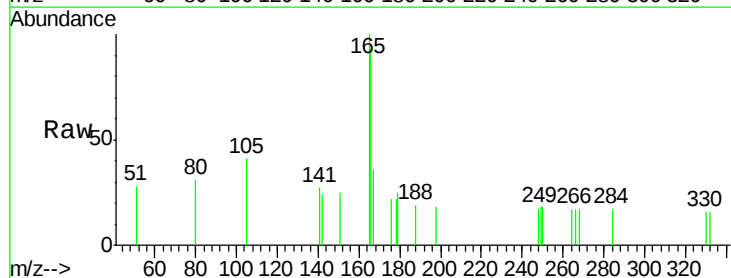
Manual Integrations
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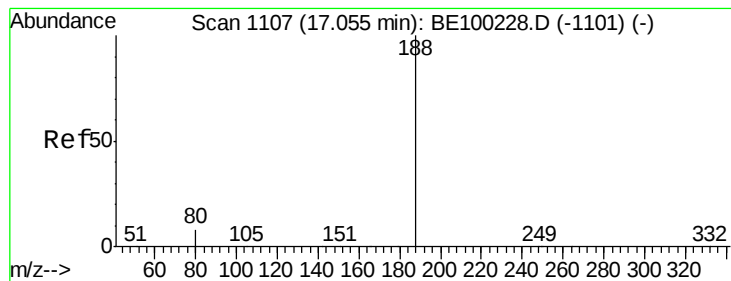
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7/3/2019 10:53:00 PM



#18
Fluorene
Concen: 0.045 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.7	81.1	121.7
167	26.0	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Instrument :

BNA_E

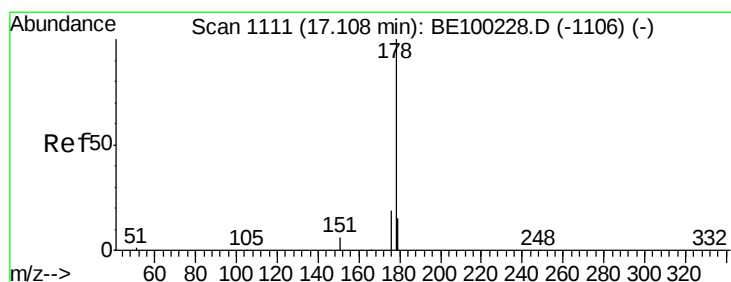
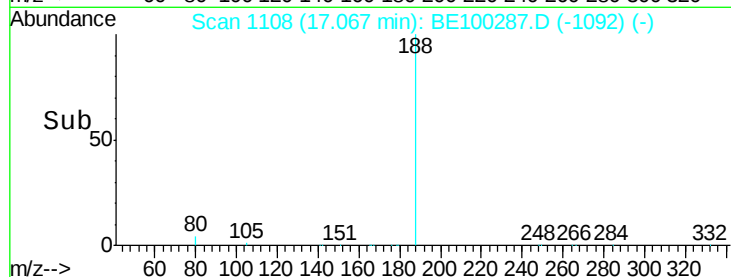
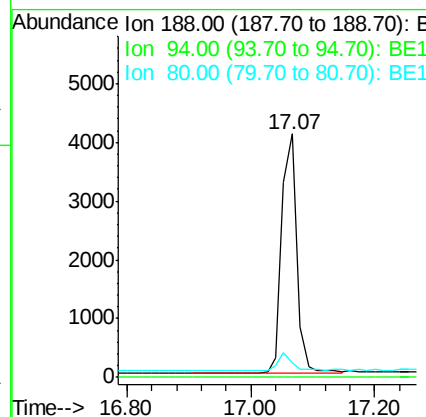
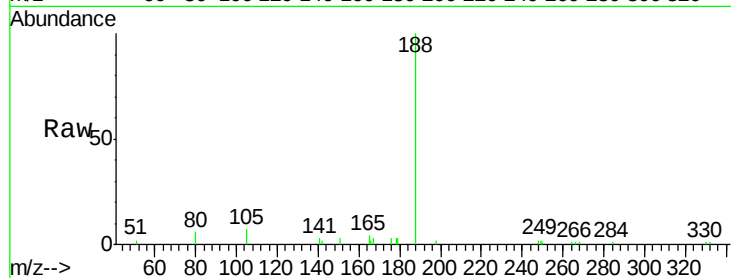
ClientSampleId :

EXT-008-SW122-061719

Tot Ion:	188	Resp:	6990
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.2	7.6	11.4#

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#23

Phenanthrene

Concen: 0.762 ng

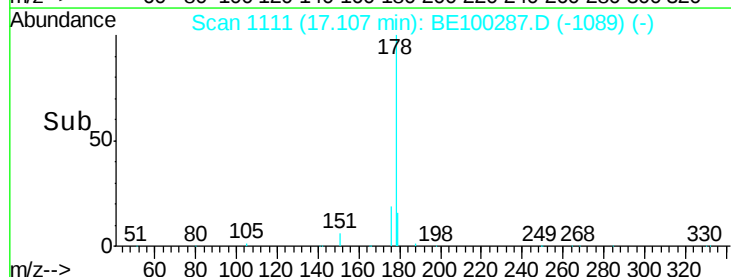
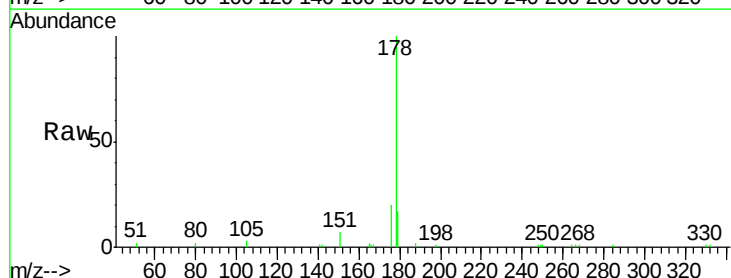
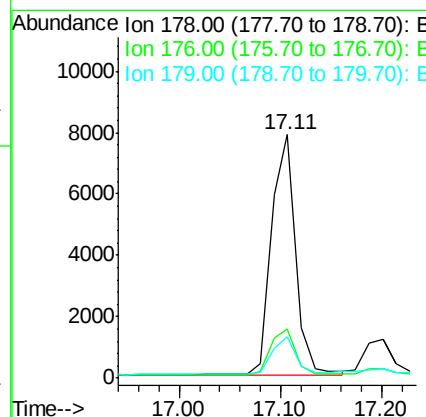
RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Tgt Ion:	178	Resp:	12918
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.9	23.9
179	16.0	12.2	18.2





#24

Anthracene

Concen: 0.136 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Instrument :

BNA_E

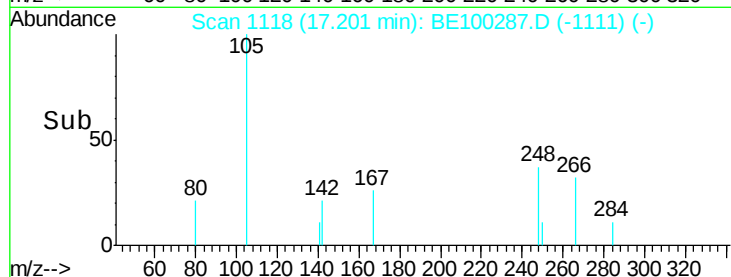
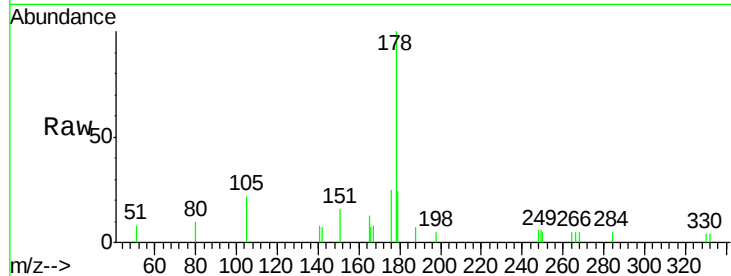
ClientSampleId :

EXT-008-SW122-061719

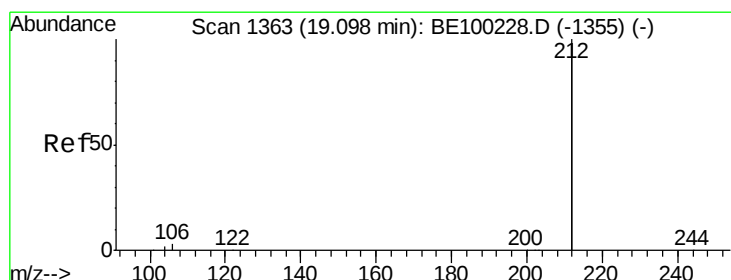
Tot Ion:	178	Resp:	2081
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.3	22.9
179	15.3	12.2	18.2

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Time-->



#25

Fluoranthene-d10

Concen: 0.057 ng

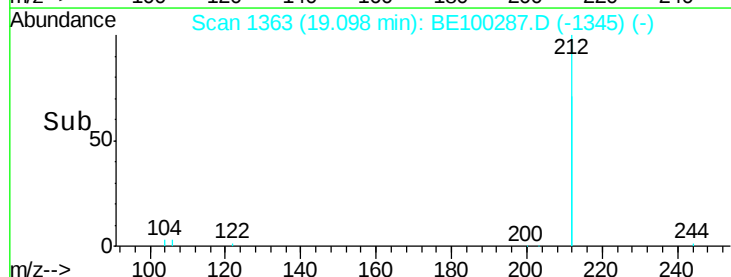
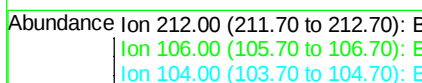
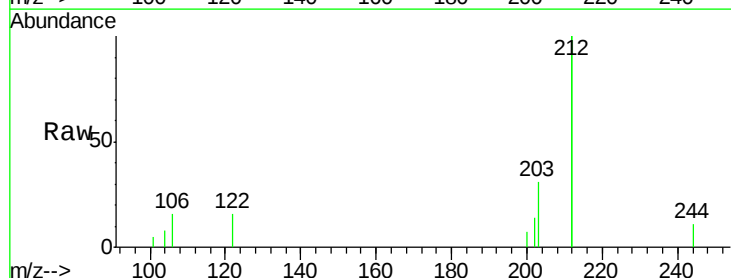
RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Tgt Ion:	212	Resp:	5761
Ion Ratio	Lower	Upper	
212	100		
106	2.6	1.3	1.9#
104	2.2	0.8	1.2#





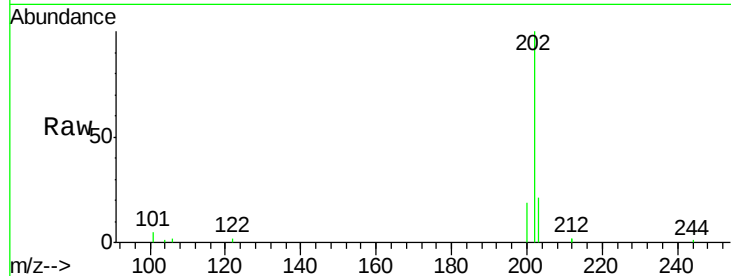
#26
Fluoranthene
Concen: 1.168 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

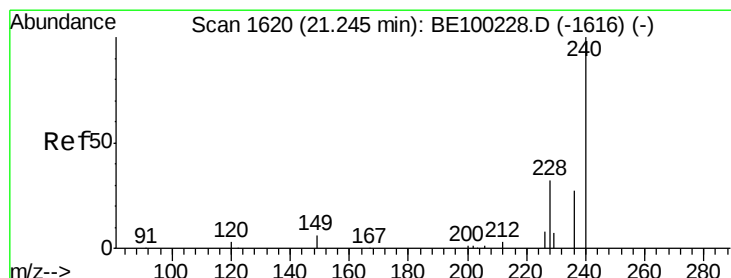
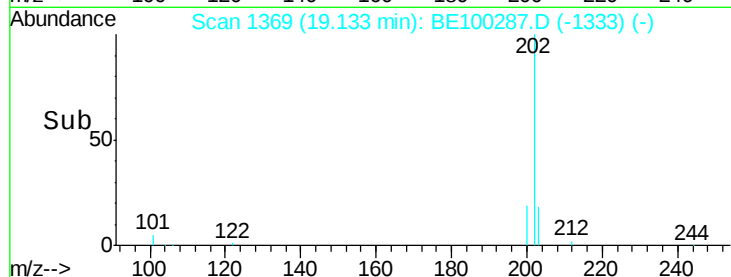
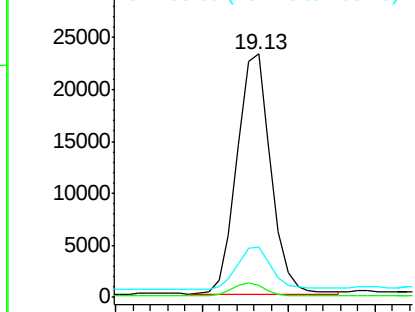
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.6	7.0
203	18.4	13.7	20.5

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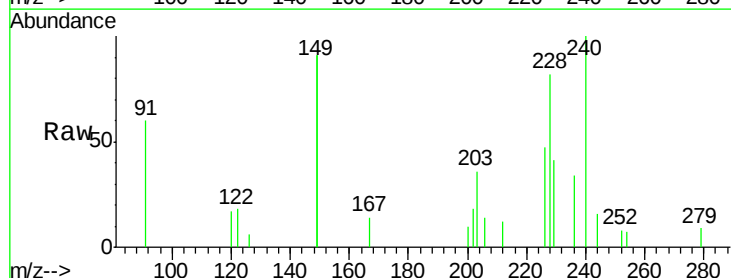


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

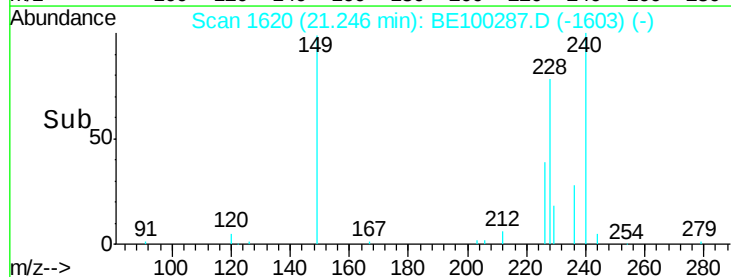
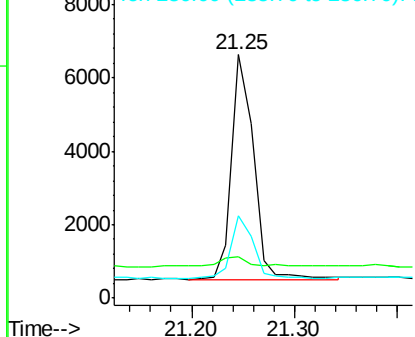


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.1	3.3	4.9#
236	33.7	22.6	34.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





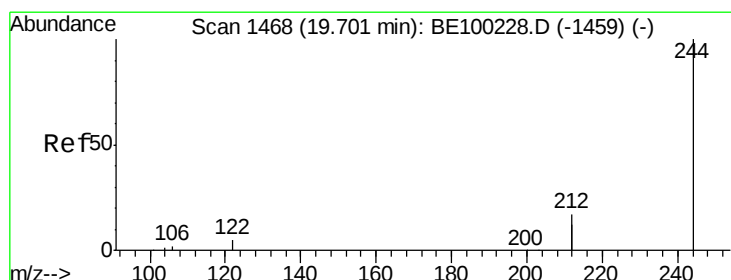
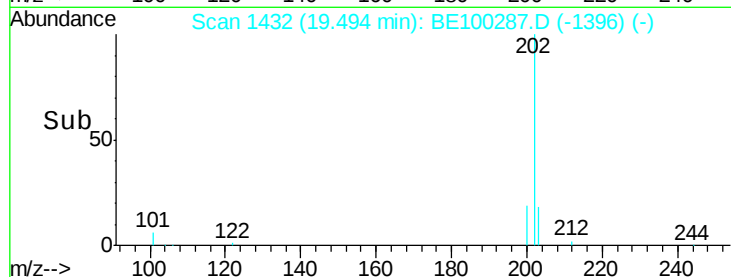
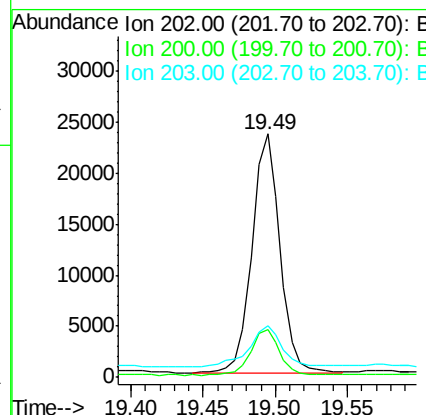
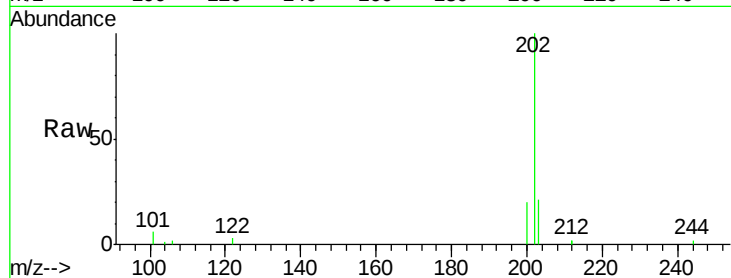
#28
Pvrene
Concen: 1.323 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.2	14.0	21.0

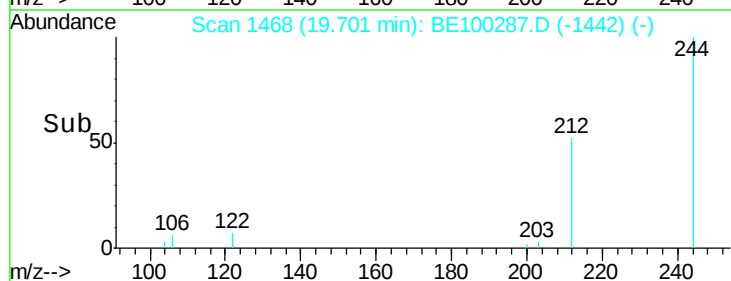
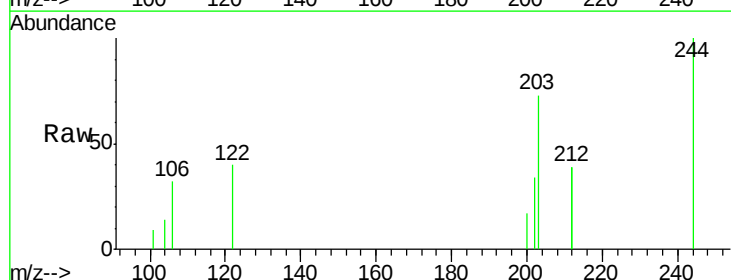
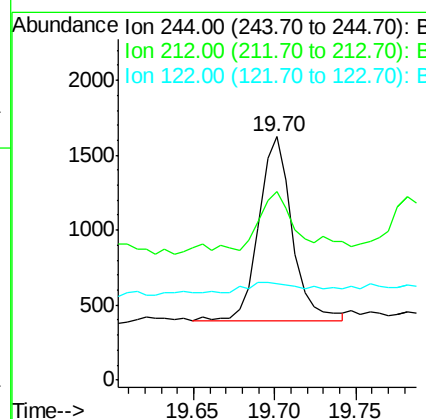
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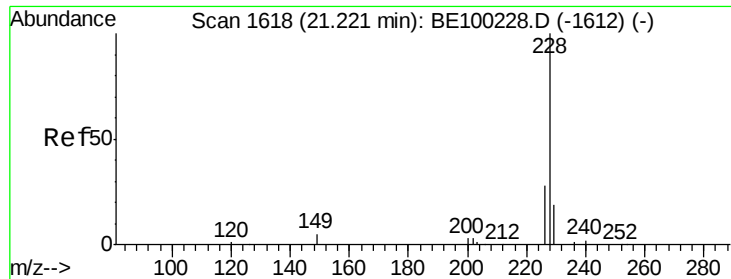
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#29
Terphenyl-d14
Concen: 0.093 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	77.7	27.3	40.9
122	39.7	4.7	7.1





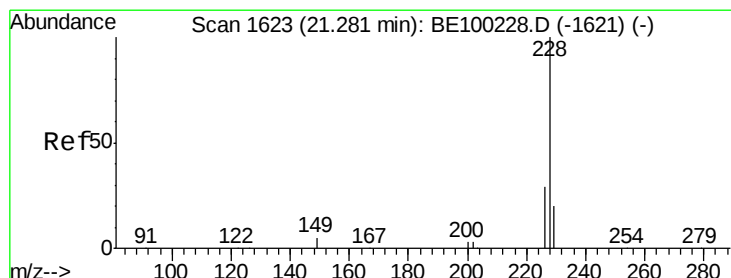
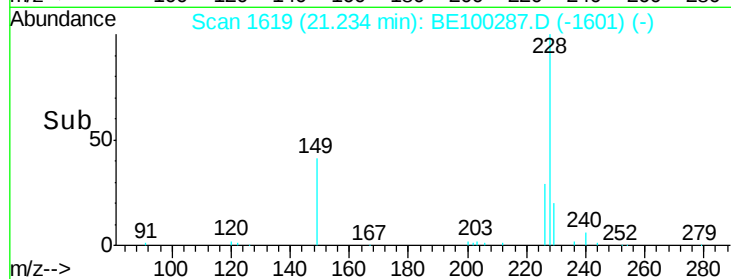
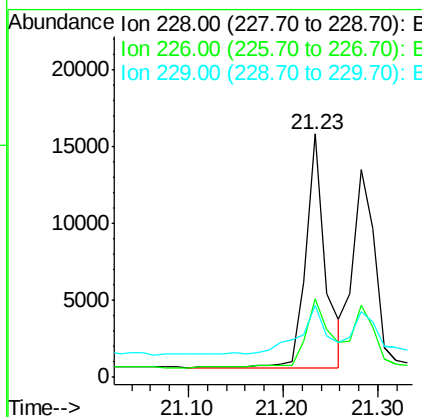
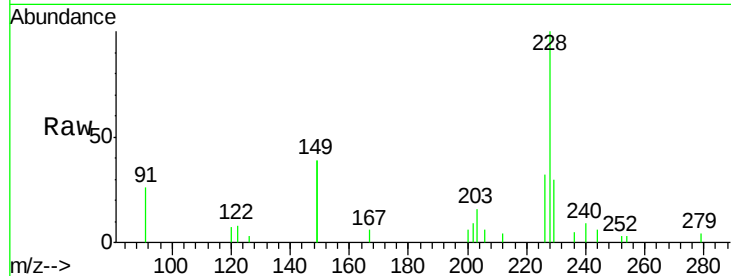
#30
Benzo(a)anthracene
Concen: 0.728 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.2	34.8
229	29.6	15.7	23.5

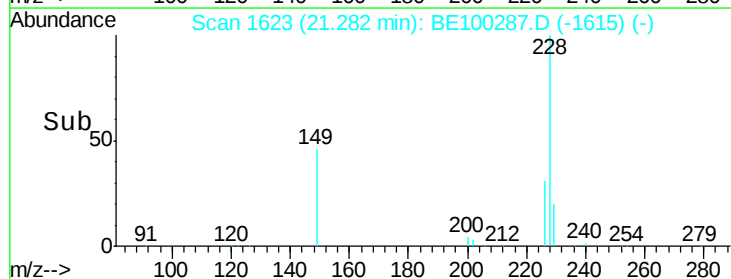
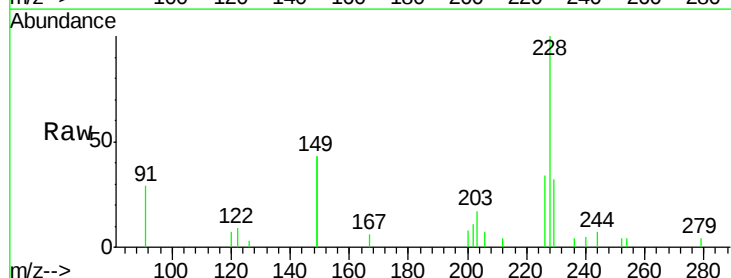
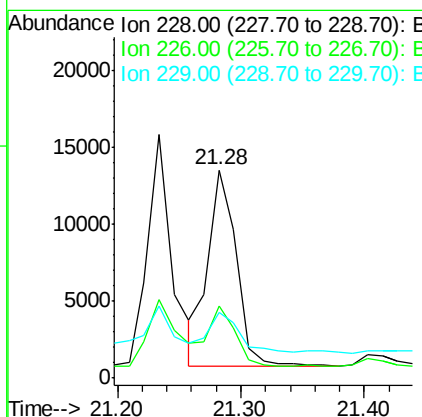
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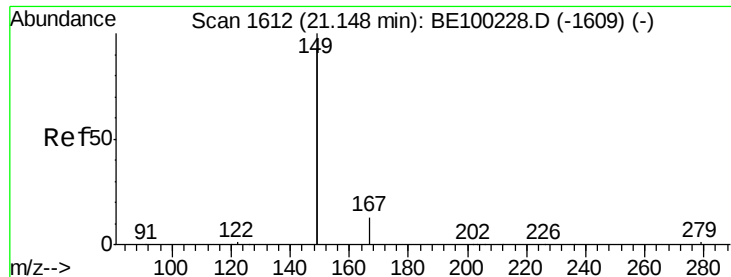
mohammad
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#31
Chrysene
Concen: 0.683 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	23.9	35.9
229	31.6	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.383 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Instrument :

BNA_E

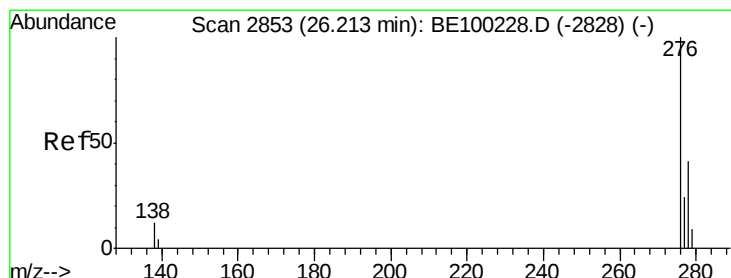
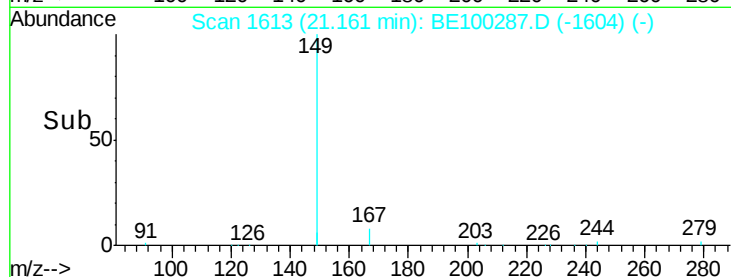
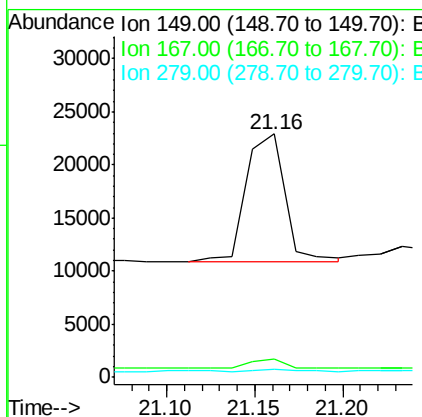
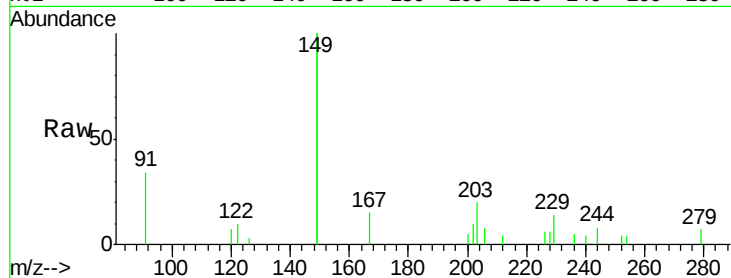
ClientSampleId :

EXT-008-SW122-061719

Tot Ion:	149	Resp:	18493
Ion Ratio	Lower	Upper	
149	100		
167	6.7	5.8	8.8
279	1.6	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.305 ng

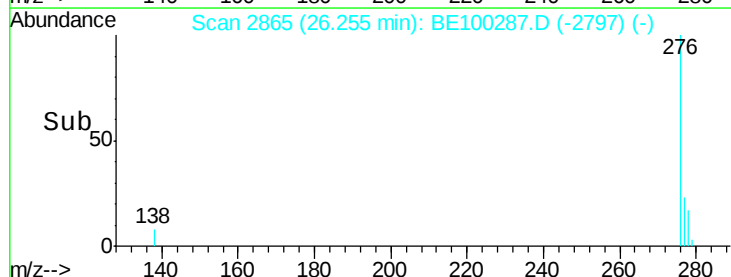
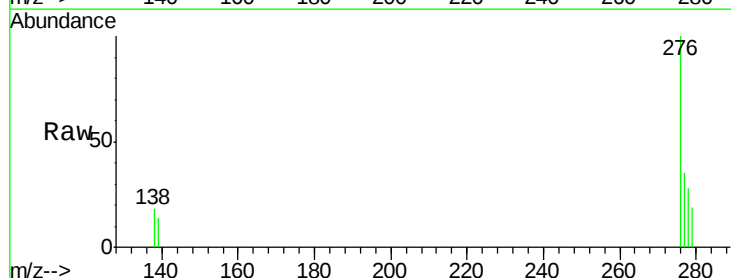
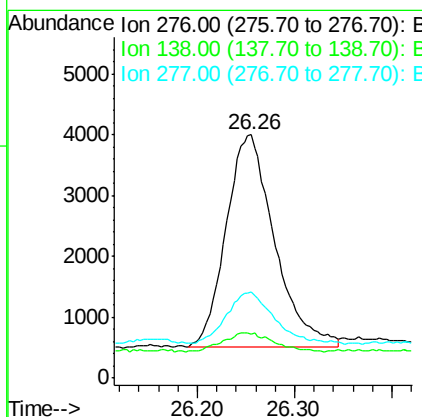
RT: 26.26 min Scan# 2865

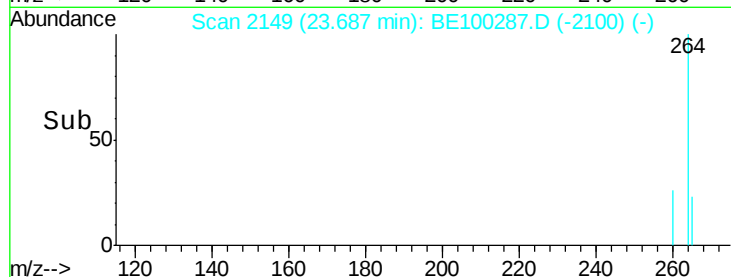
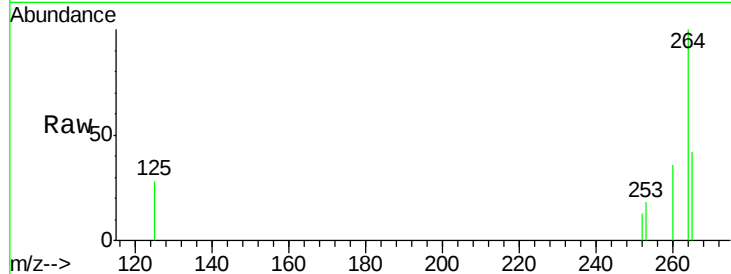
Delta R.T. 0.04 min

Lab File: BE100287.D

Acq: 2 Jul 2019 5:22

Tgt Ion:	276	Resp:	12042
Ion Ratio	Lower	Upper	
276	100		
138	9.3	9.4	14.0#
277	22.8	19.2	28.8





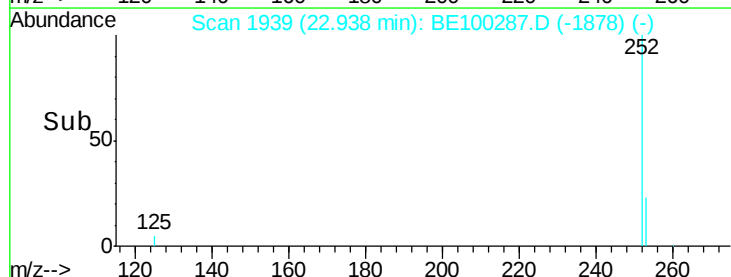
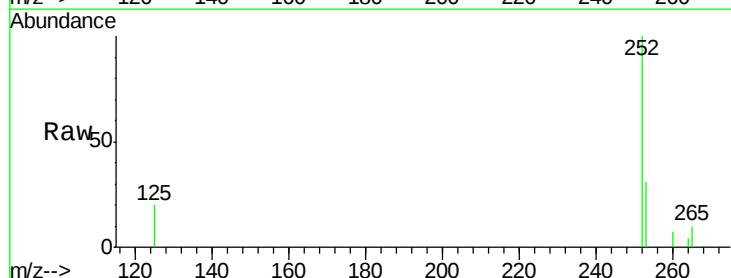
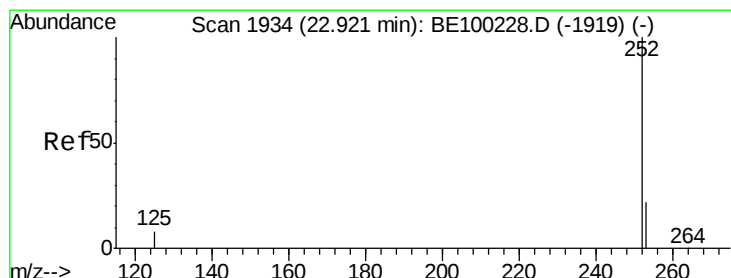
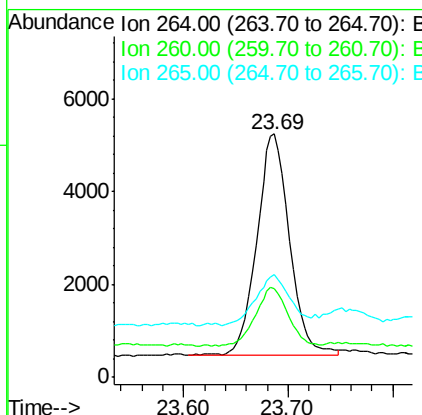
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2149
 Delta R.T. 0.02 min
 Lab File: BE100287.D
 Acq: 2 Jul 2019 5:22

Tot Ion	Ratio	Lower	Upper
264	100		
260	36.3	20.8	31.2#
265	42.2	21.8	32.6#

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW122-061719

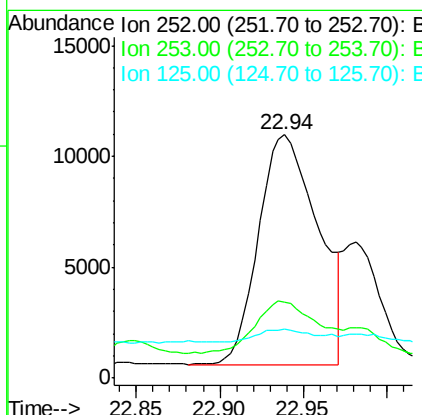
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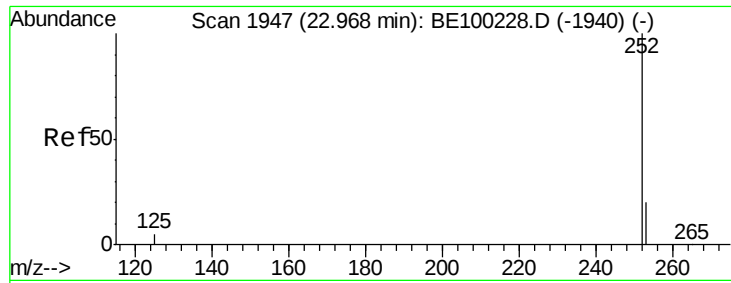
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#35
 Benzo(b)fluoranthene
 Concen: 0.921 ng
 RT: 22.94 min Scan# 1939
 Delta R.T. 0.02 min
 Lab File: BE100287.D
 Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	19.2	28.8#
125	20.0	7.4	11.0#





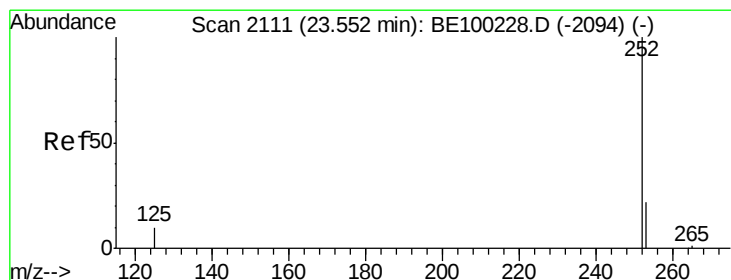
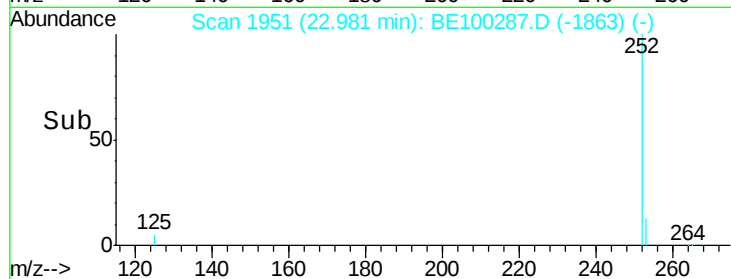
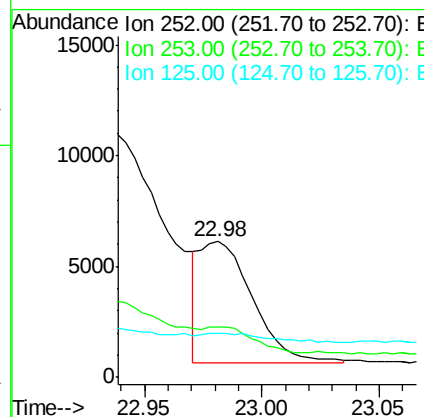
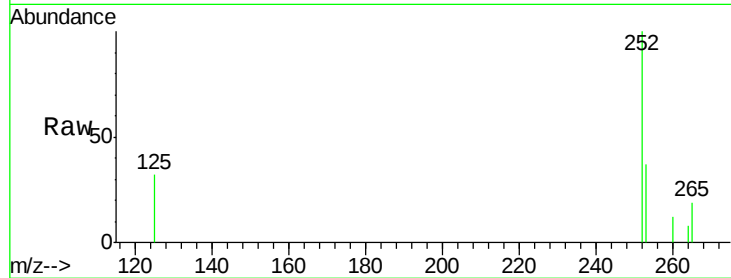
#36
Benzo(k)fluoranthene
Concen: 0.275 ng m
RT: 22.98 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.4	17.9	26.9#
125	32.0	5.0	7.4#

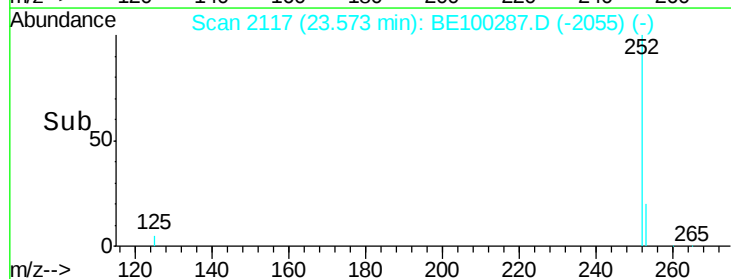
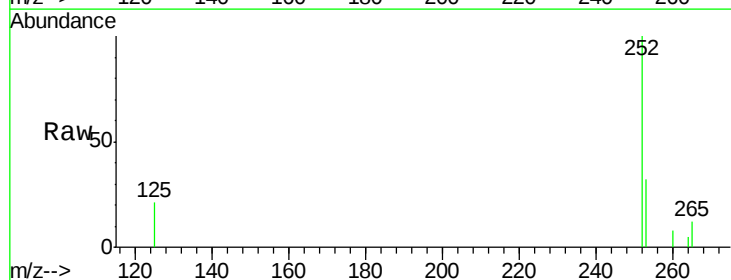
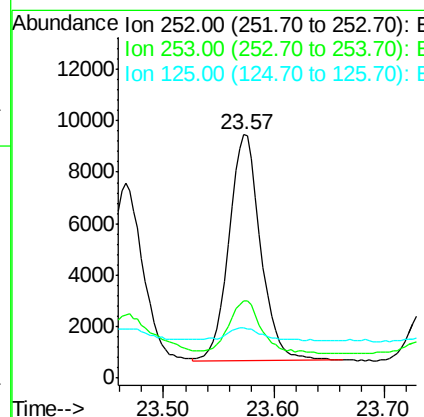
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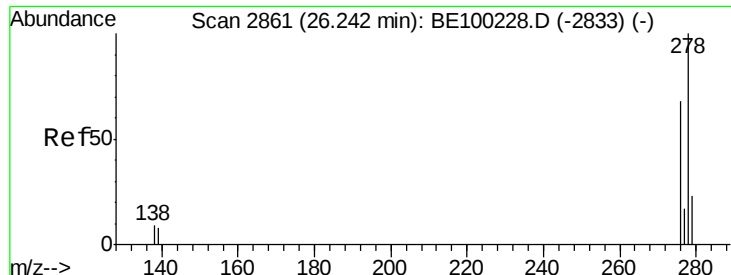
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#37
Benzo(a)pyrene
Concen: 0.632 ng
RT: 23.57 min Scan# 2117
Delta R.T. 0.02 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.8	19.6	29.4#
125	20.5	9.0	13.6#





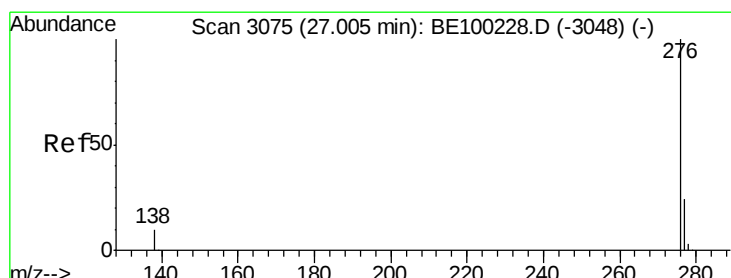
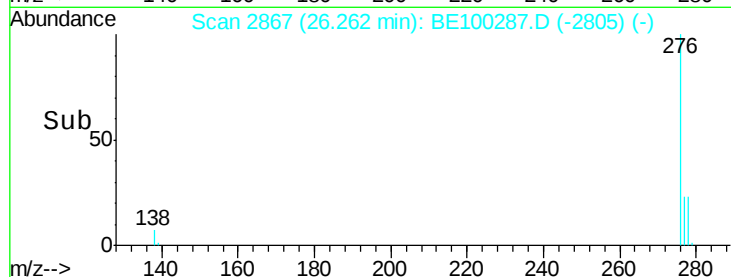
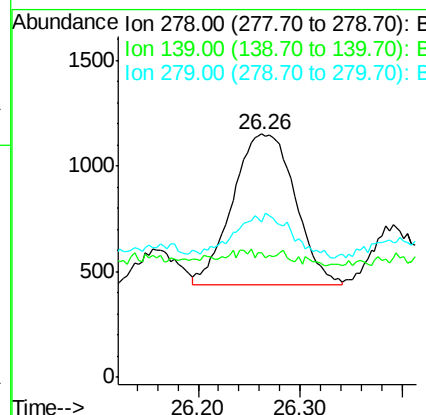
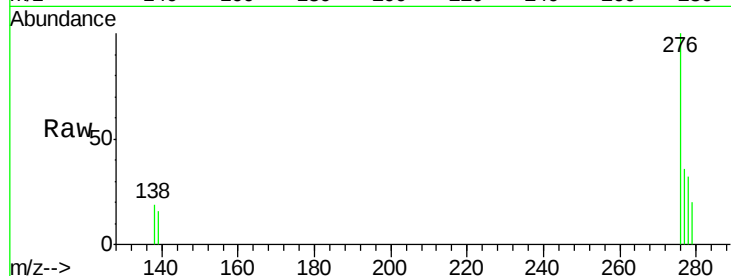
#38
Dibenzo(a,h)anthracene
Concen: 0.104 ng
RT: 26.26 min Scan# 2867
Delta R.T. 0.02 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW122-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	51.1	8.2	12.2#
279	63.7	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.460 ng
RT: 27.05 min Scan# 3087
Delta R.T. 0.04 min
Lab File: BE100287.D
Acq: 2 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.2	20.2	30.2#
138	17.6	9.0	13.6#

