

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100687.D
 Acq On : 28 Oct 2019 23:24
 Operator : JU
 Sample : K5569-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 IDW-DECON-WATER-102519

Manual Integrations
 APPROVED

mohammad
 10/29/2019 3:36:01 PM

Quant Time: Oct 29 13:19:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 23 16:49:33 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3613	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16225	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	11305	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	27199	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	30405	0.40	ng	0.00
34) Perylene-d12	23.82	264	33433	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	1776	0.16	ng	0.00
5) Phenol-d6	7.01	99	2146	0.14	ng	0.00
8) Nitrobenzene-d5	8.99	82	2925	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5853	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	998	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	7935	0.19	ng	0.00
25) Fluoranthene-d10	19.21	212	73051	0.21	ng	0.00
29) Terphenyl-d14	19.81	244	13432	0.20	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.68	128	7629	0.045	ng	# 97
12) 2-Methylnaphthalene	12.30	142	1588	0.055	ng	# 96
17) Acenaphthene	14.53	154	1393	0.044	ng	84
18) Fluorene	15.50	166	2604	0.062	ng	# 97
23) Phenanthrene	17.23	178	42707	0.571	ng	99
24) Anthracene	17.32	178	2957	0.043	ng	# 82
26) Fluoranthene	19.25	202	72009	0.737	ng	# 83
28) Pyrene	19.60	202	67061	0.789	ng	# 95
30) Benzo(a)anthracene	21.34	228	19609	0.198	ng	# 92
31) Chrysene	21.39	228	28888	0.291	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.28	149	299222	1.442	ng	100
33) Indeno(1,2,3-cd)pyrene	26.43	276	6177	0.051	ng	96
35) Benzo(b)fluoranthene	23.07	252	24600	0.252	ng	# 83
36) Benzo(k)fluoranthene	23.12	252	10172m	0.101	ng	
37) Benzo(a)pyrene	23.71	252	12486	0.138	ng	# 74
39) Benzo(a,h,i)perylene	27.23	276	7288	0.077	ng	# 84

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

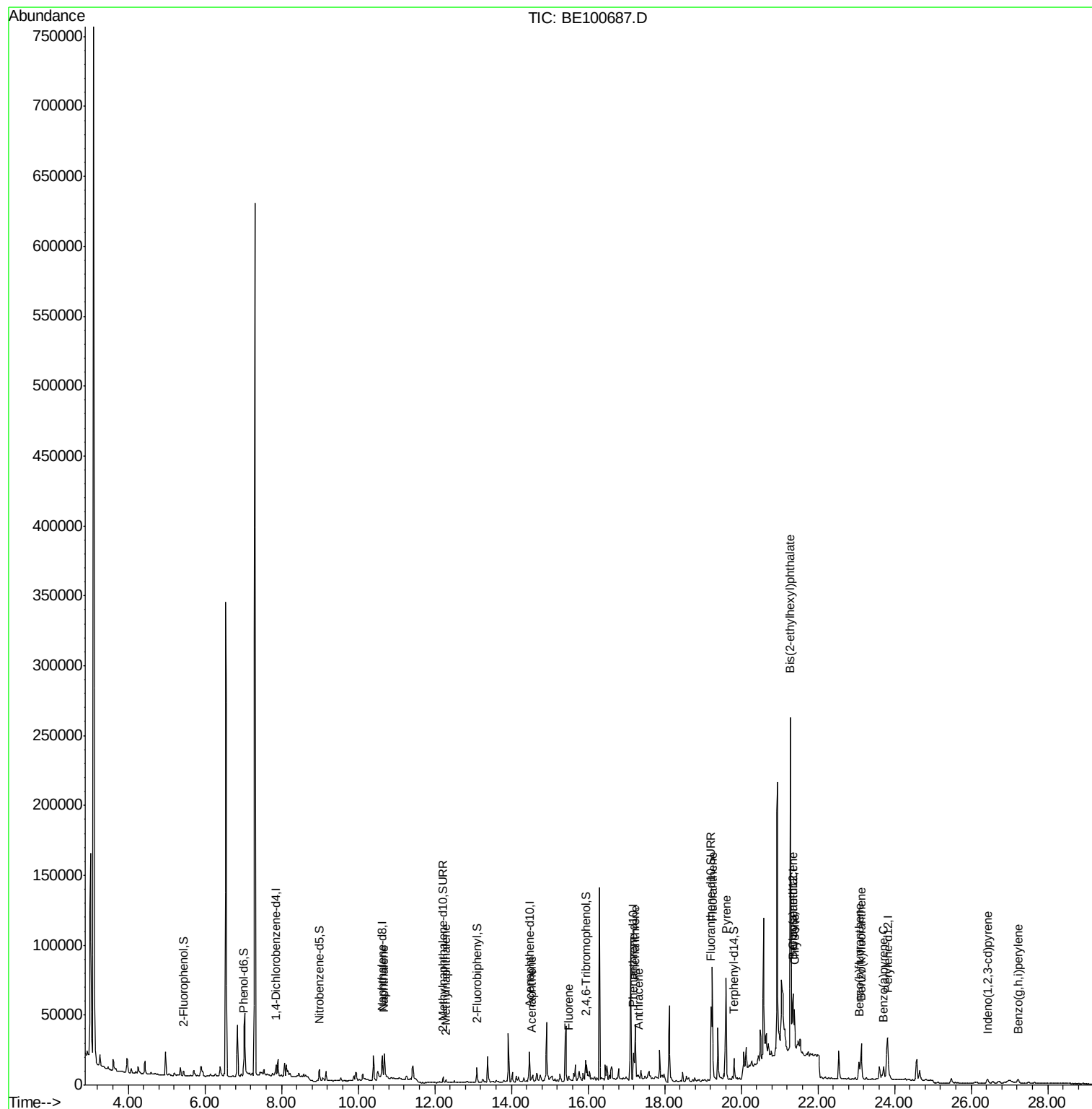
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
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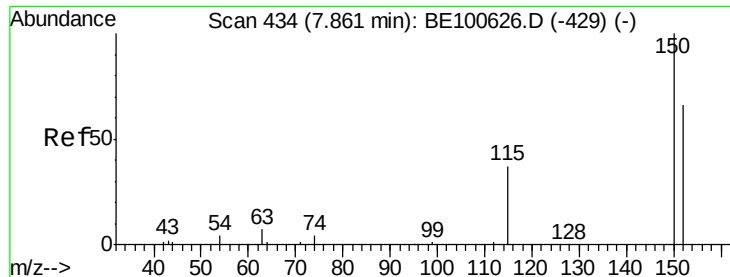
Instrument :
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IDW-DECON-WATER-102519

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QLast Update : Wed Oct 23 16:49:33 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

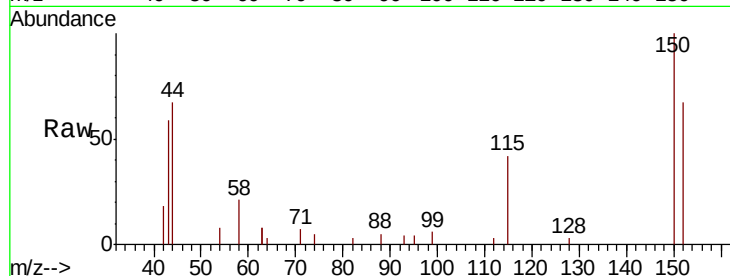
ClientSampleId :

IDW-DECON-WATER-102519

Tot Ion:	152	Resp:	3613
Ion Ratio	Lower	Upper	
152	100		
150	149.9	123.3	184.9
115	62.8	51.9	77.9

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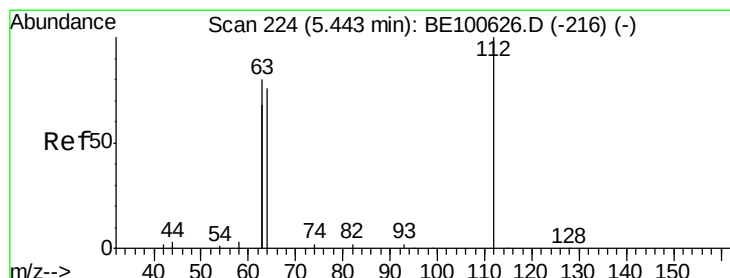
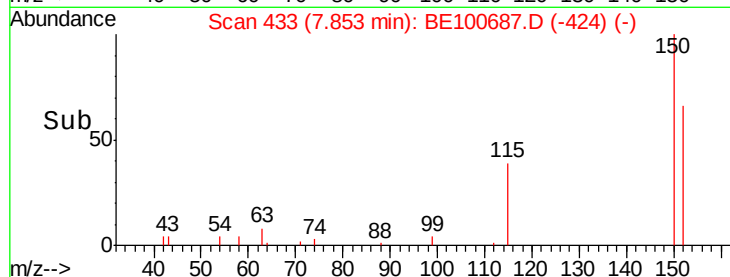
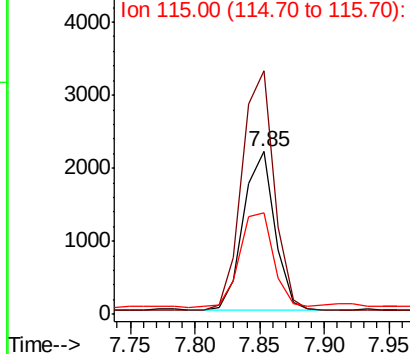


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.159 ng

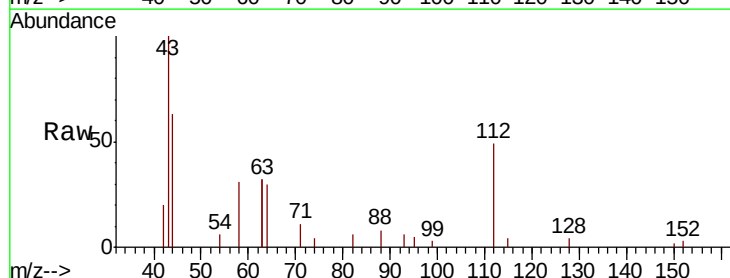
RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Tgt Ion:	112	Resp:	1776
Ion Ratio	Lower	Upper	
112	100		
64	74.0	55.4	83.2
63	145.0	114.2	171.4

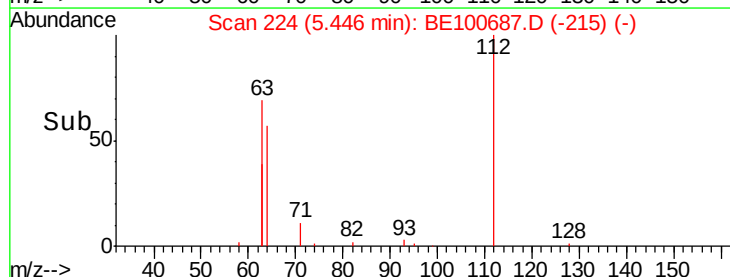
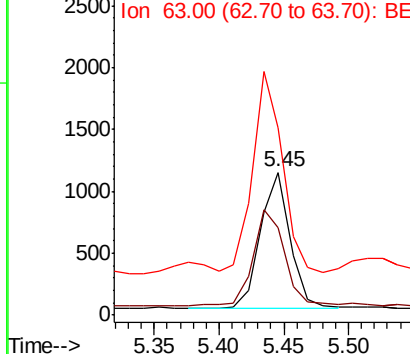


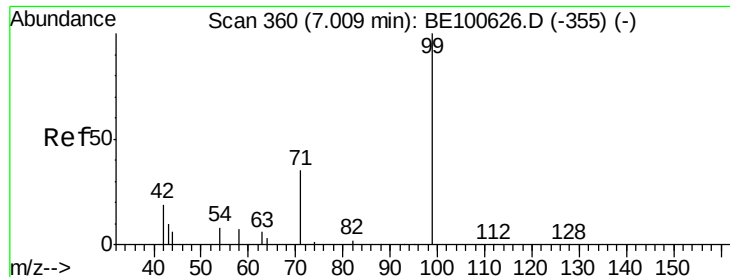
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.136 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

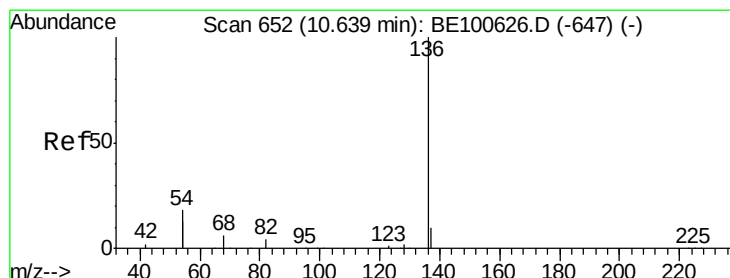
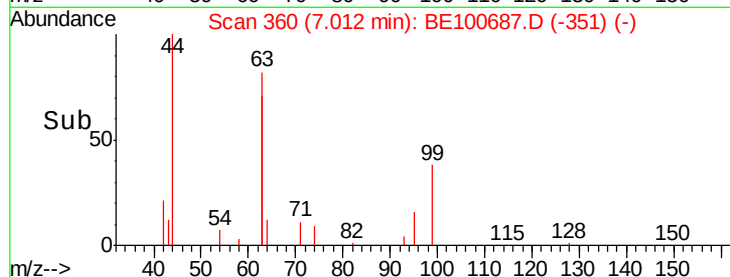
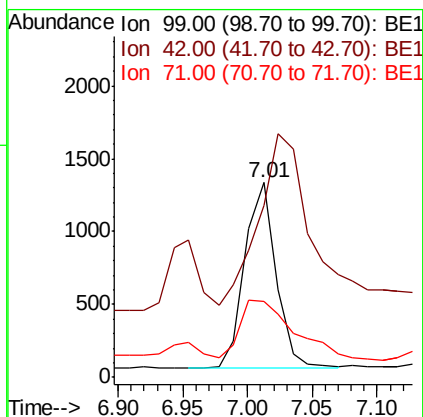
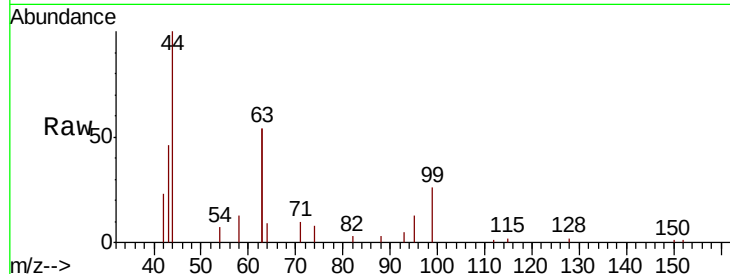
ClientSampleId :

IDW-DECON-WATER-102519

Tot Ion:	99	Resp:	2146
Ion	Ratio	Lower	Upper
99	100		
42	158.6	17.7	26.5#
71	0.0	27.4	41.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

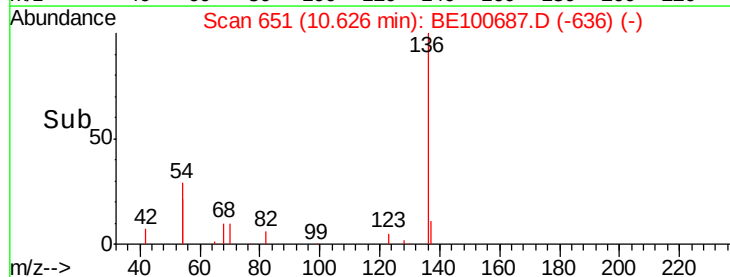
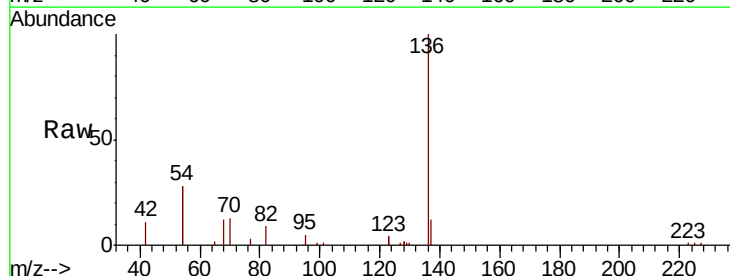
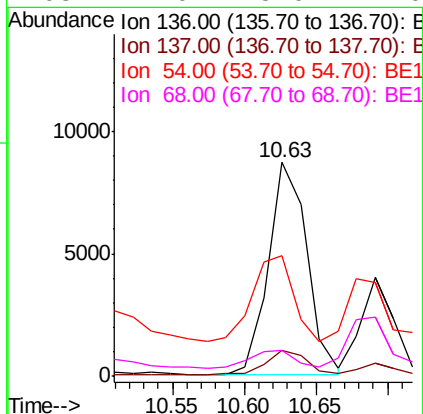
RT: 10.63 min Scan# 651

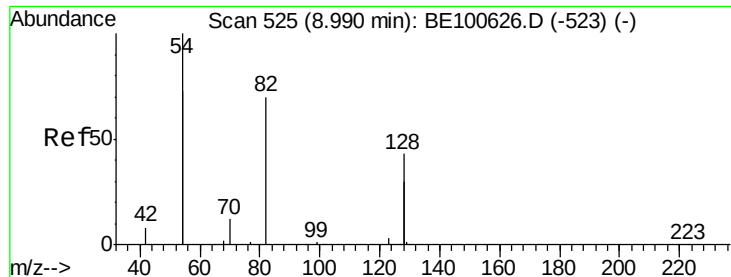
Delta R.T. -0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Tgt Ion:	136	Resp:	16225
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	56.3	39.4	59.2
68	12.0	8.0	12.0#





#8

Nitrobenzene-d5

Concen: 0.291 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

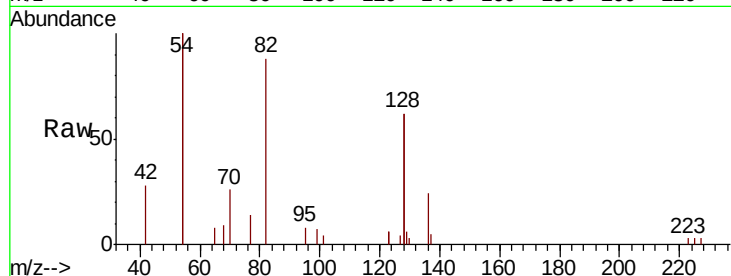
ClientSampleId :

IDW-DECON-WATER-102519

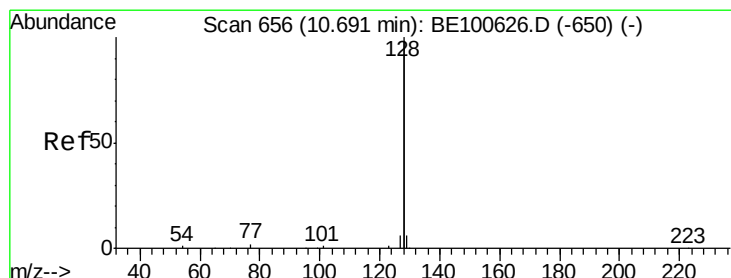
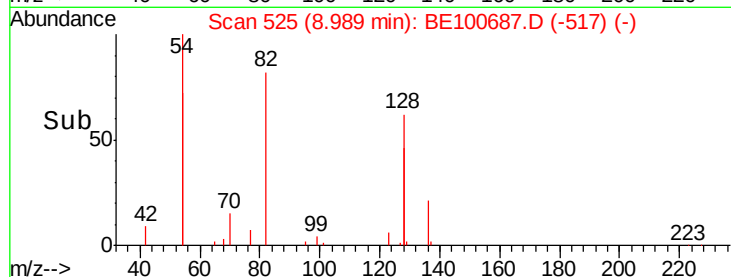
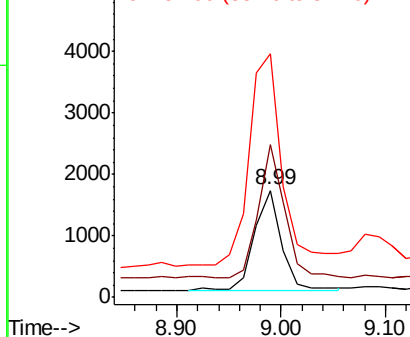
Tot Ion:	82	Resp:	2925
Ion	Ratio	Lower	Upper
82	100		
128	142.3	107.8	161.8
54	227.7	166.1	249.1

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.045 ng

RT: 10.68 min Scan# 655

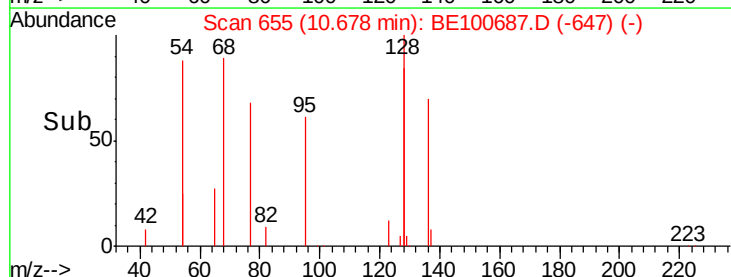
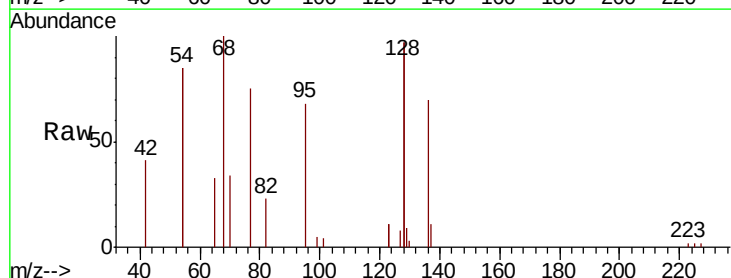
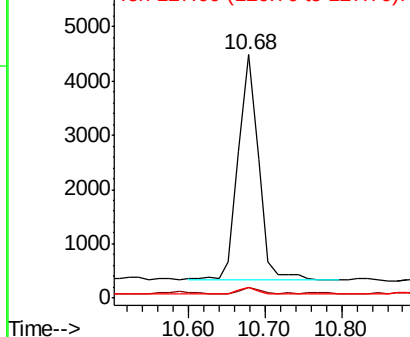
Delta R.T. -0.00 min

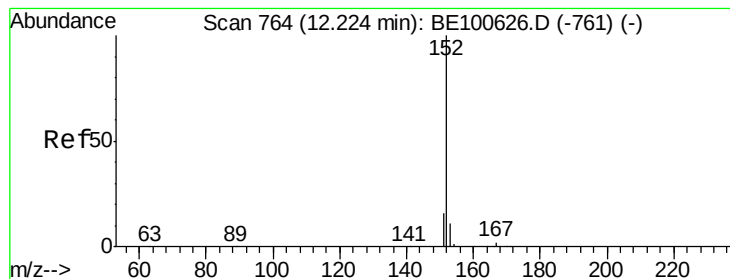
Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Tgt Ion:	128	Resp:	7629
Ion	Ratio	Lower	Upper
128	100		
129	4.5	2.3	3.5#
127	4.1	2.7	4.1#

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





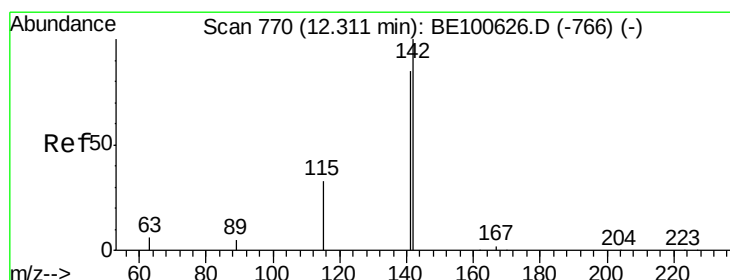
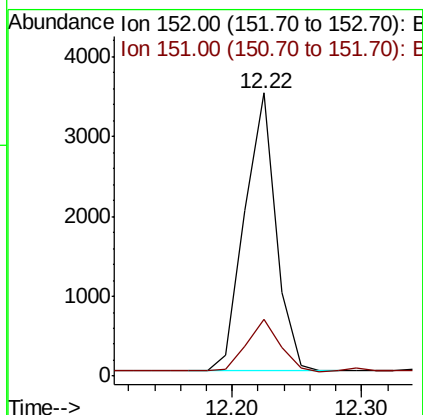
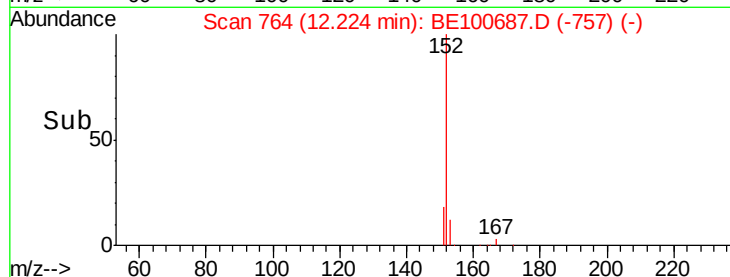
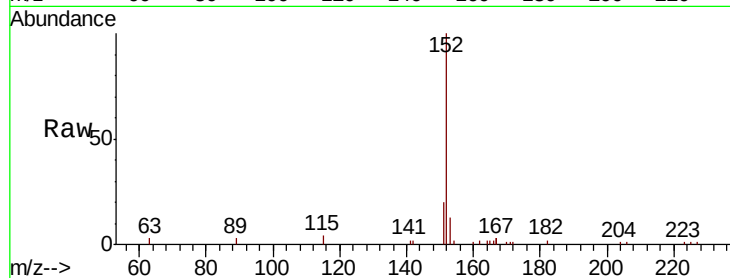
#11
2-Methylnaphthalene-d10
Concen: 0.229 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	14.7	22.1

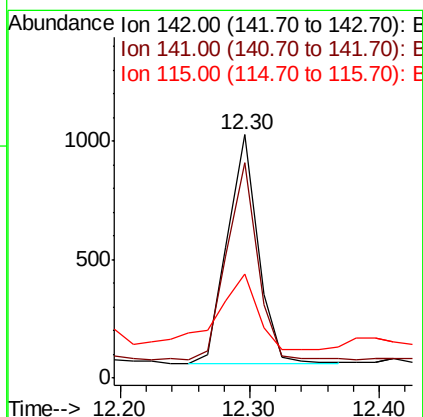
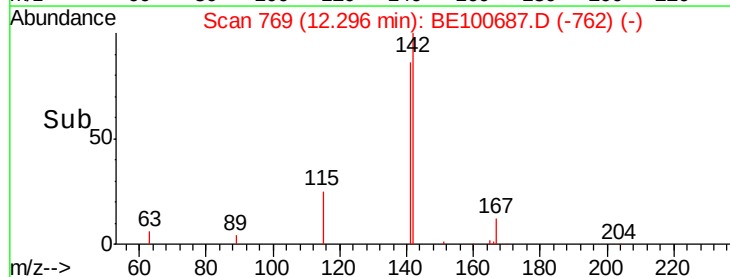
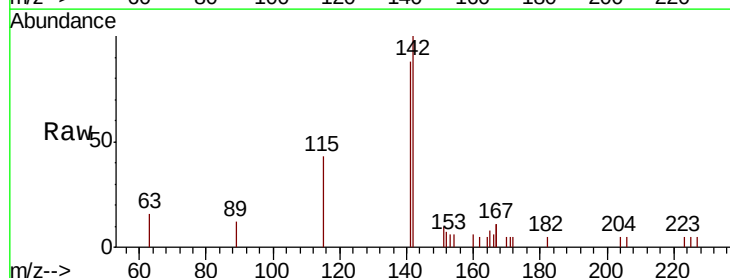
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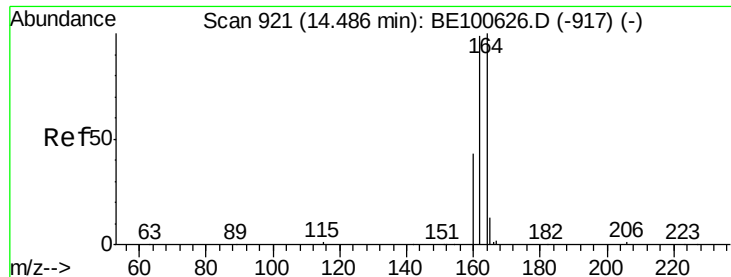
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#12
2-Methylnaphthalene
Concen: 0.055 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.1	105.1
115	42.9	28.3	42.5#





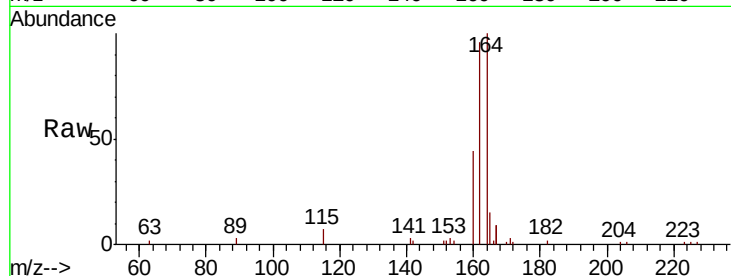
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.6	82.0	123.0
160	43.5	37.5	56.3

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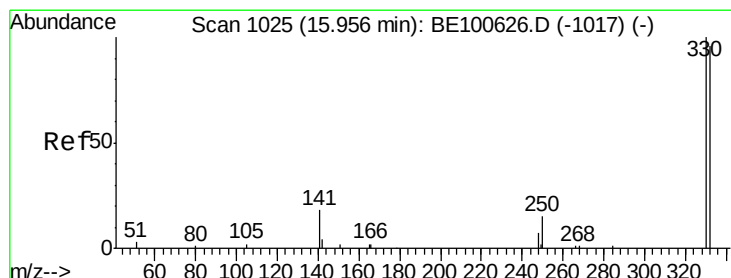
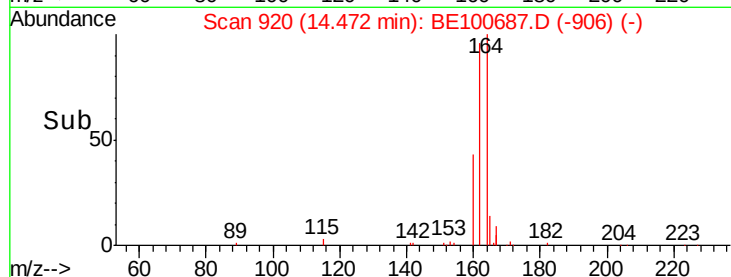
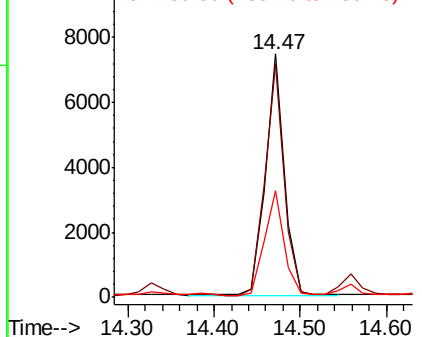


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

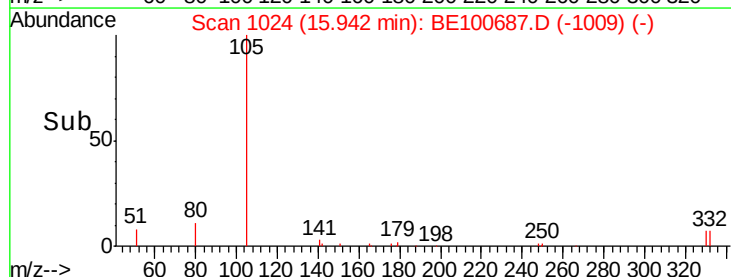
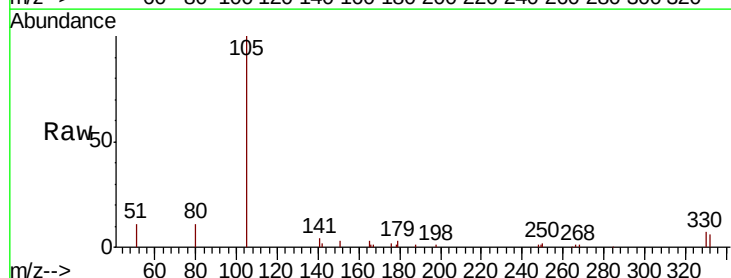
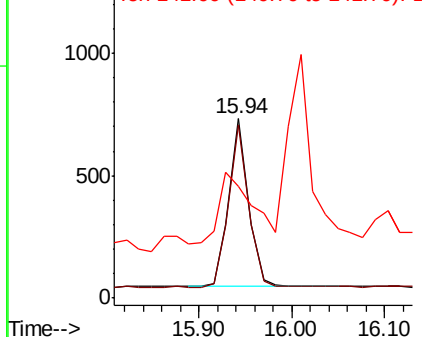
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.9	116.9
141	80.0	33.0	49.6#

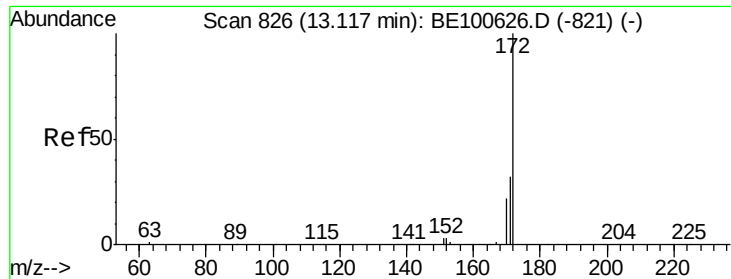
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





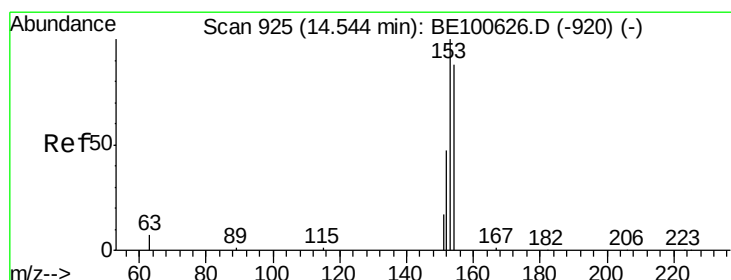
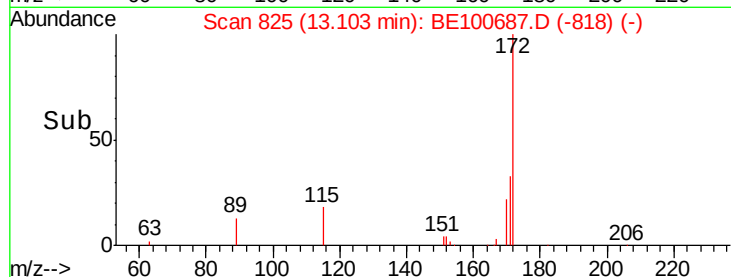
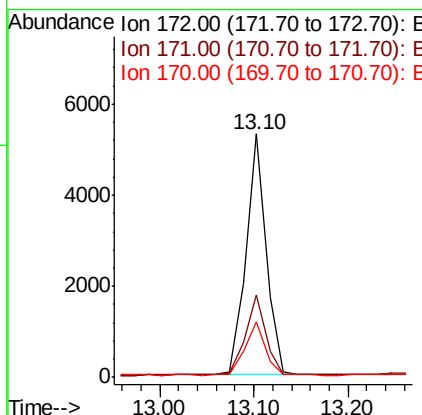
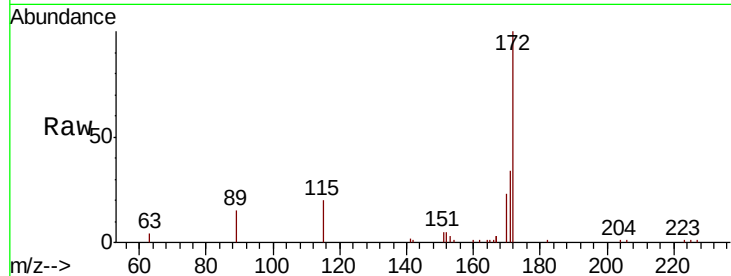
#15
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.5	39.7
170	22.6	19.0	28.4

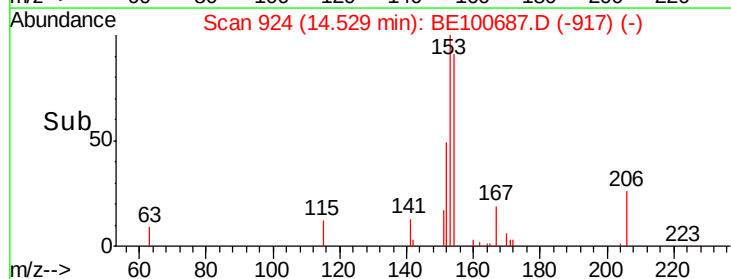
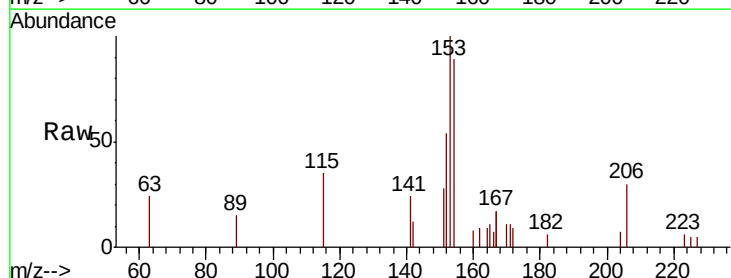
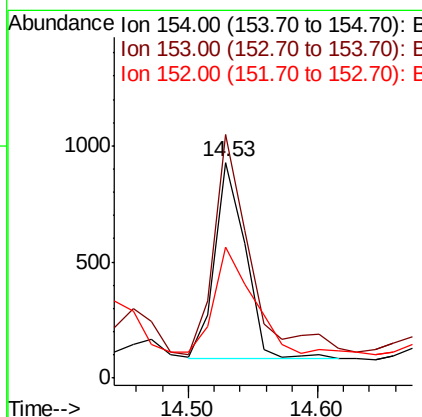
Manual Integrations
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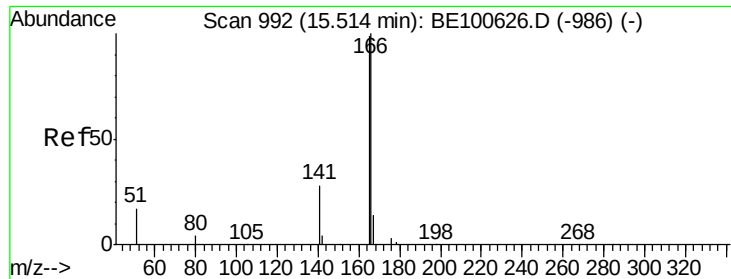
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#17
Acenaphthene
Concen: 0.044 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	130.5	89.4	134.2
152	65.1	44.1	66.1





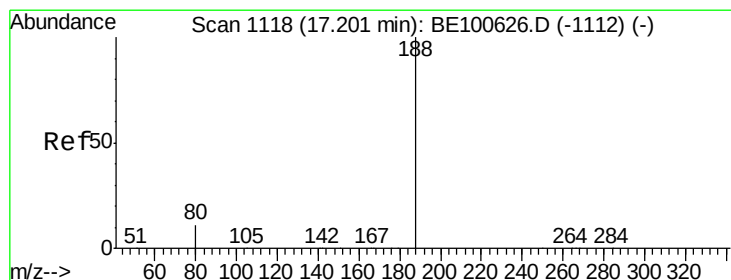
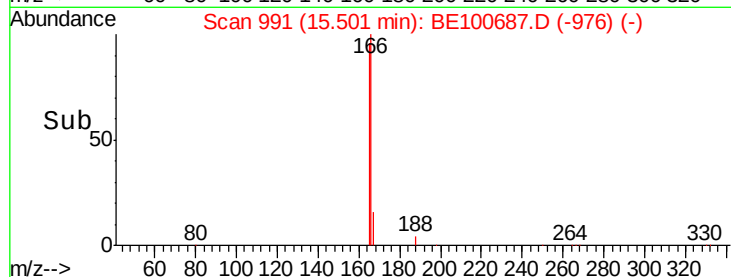
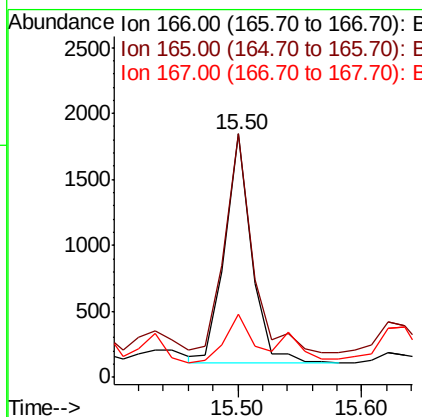
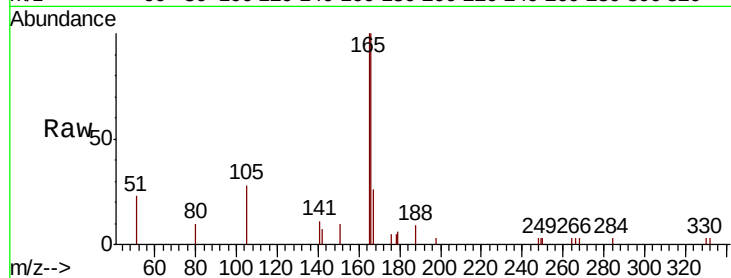
#18
Fluorene
 Concen: 0.062 ng
 RT: 15.50 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BE100687.D
 Acq: 28 Oct 2019 23:24

Instrument :
 BNA_E
 ClientSampleId :
 IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.6	117.8
167	22.2	10.9	16.3

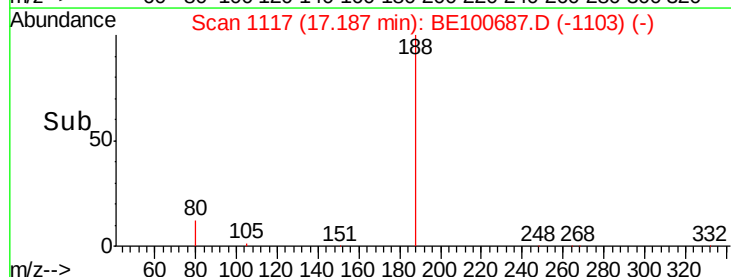
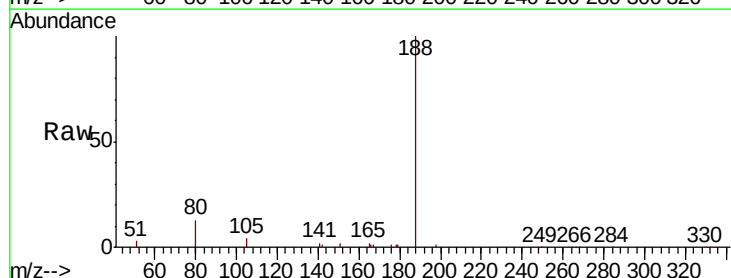
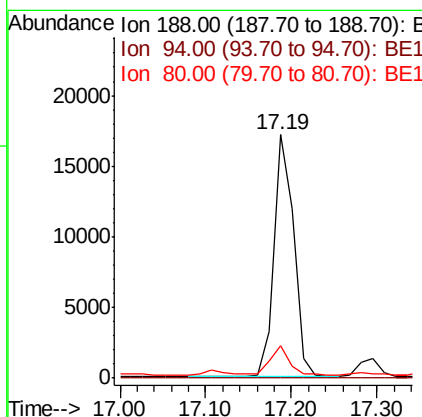
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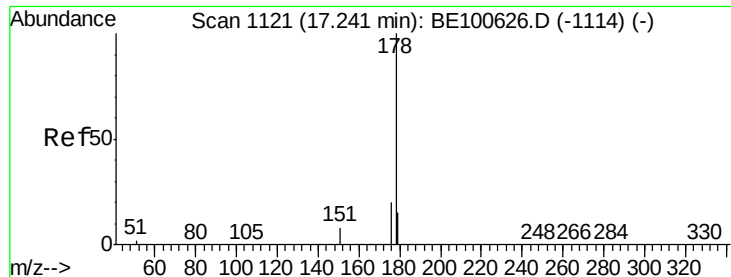
mohammad
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100687.D
 Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	5.4	8.0





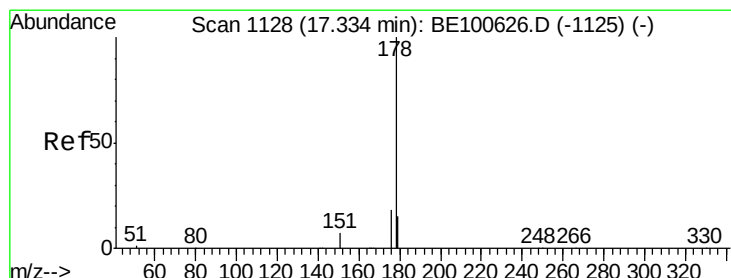
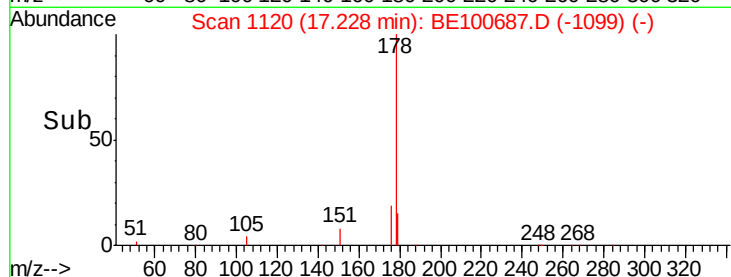
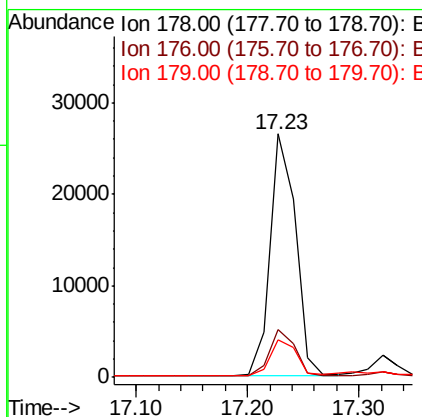
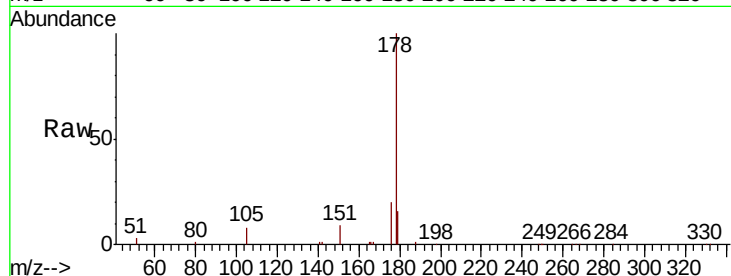
#23
Phenanthrene
Concen: 0.571 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.6	12.1	18.1

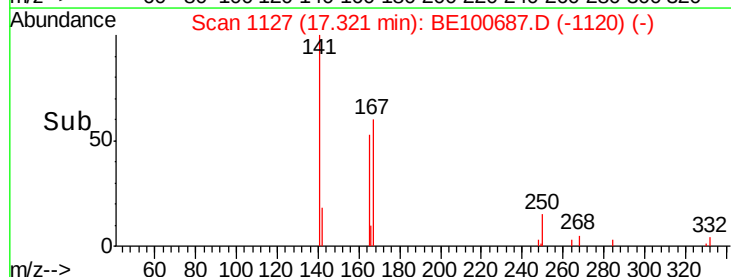
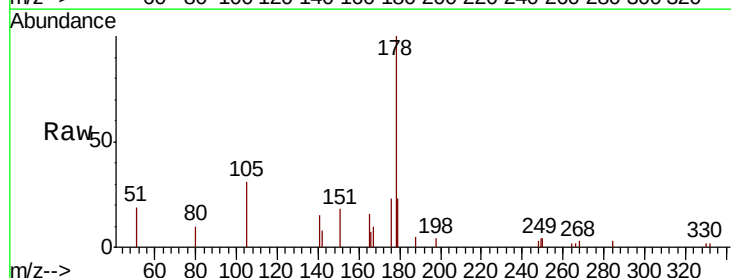
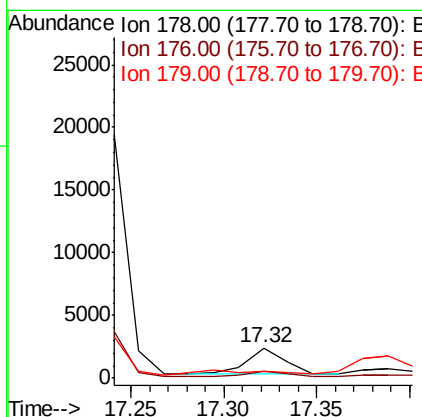
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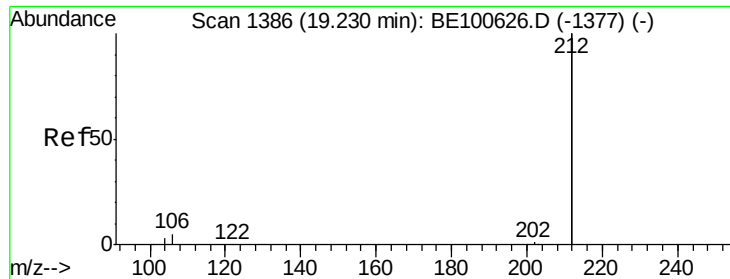
mohammad
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#24
Anthracene
Concen: 0.043 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.0	22.4
179	0.0	12.5	18.7#





#25

Fluoranthene-d10

Concen: 0.208 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

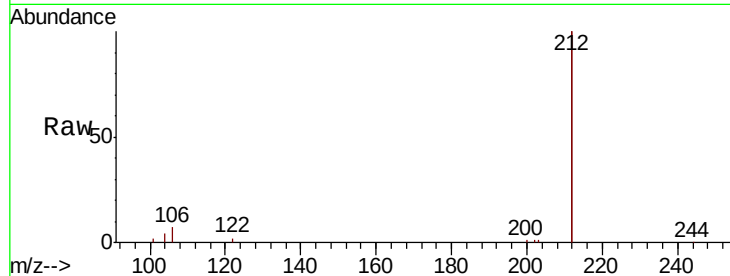
ClientSampleId :

IDW-DECON-WATER-102519

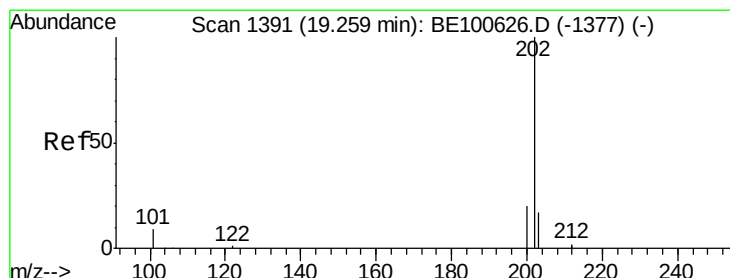
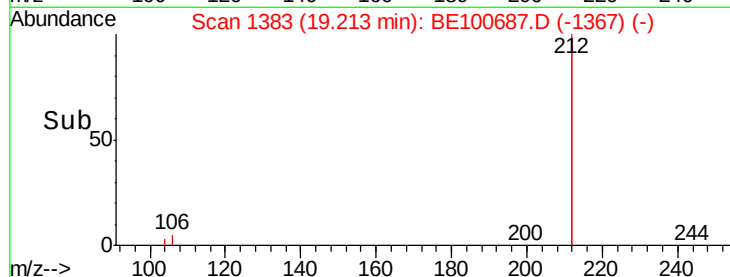
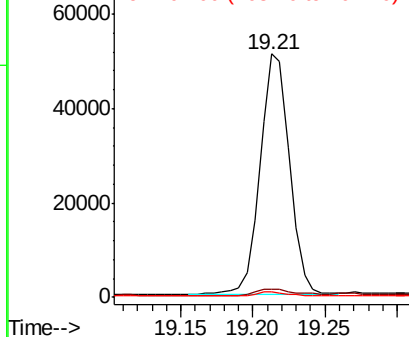
Tot Ion:	212	Resp:	73051
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.3	3.5#
104	1.9	1.3	1.9#

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



#26

Fluoranthene

Concen: 0.737 ng

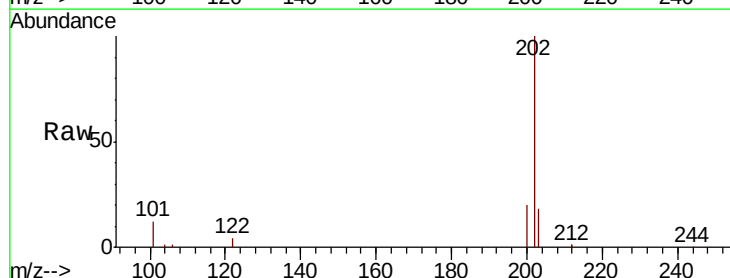
RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

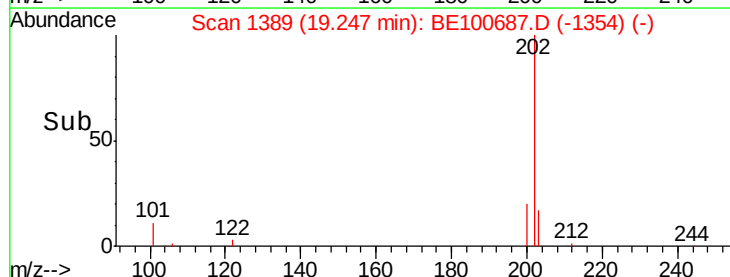
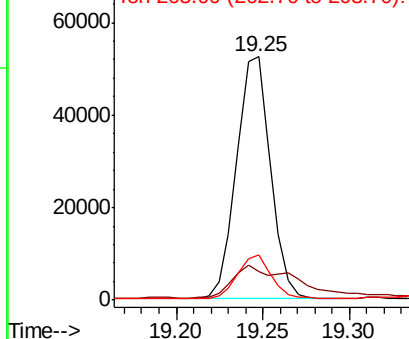
Lab File: BE100687.D

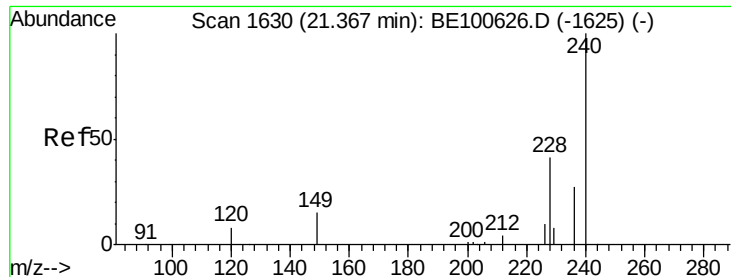
Acq: 28 Oct 2019 23:24

Tgt Ion:	202	Resp:	72009
Ion Ratio	Lower	Upper	
202	100		
101	26.9	8.5	12.7#
203	17.8	13.8	20.8



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: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

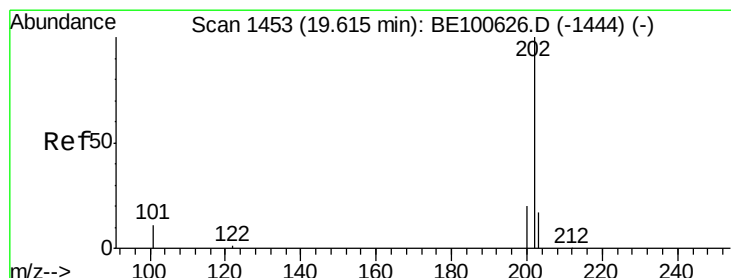
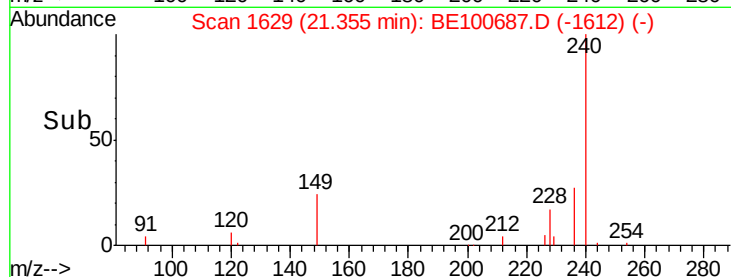
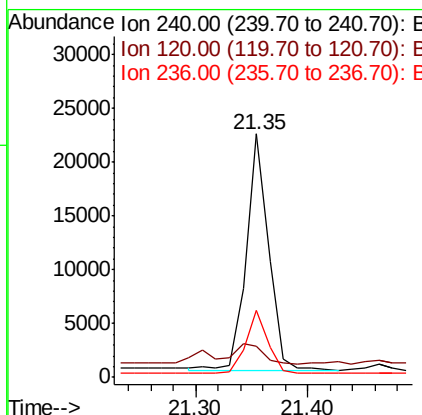
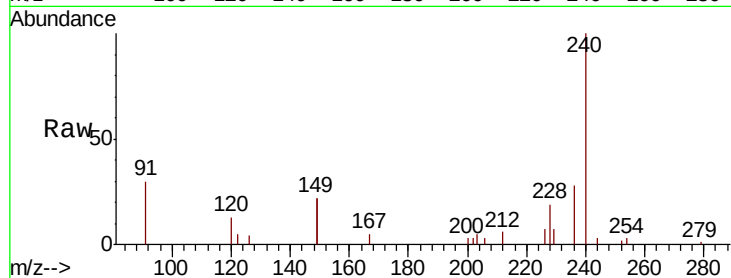
ClientSampleId :

IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	7.6	11.4#
236	27.6	22.1	33.1

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#28

Pyrene

Concen: 0.789 ng

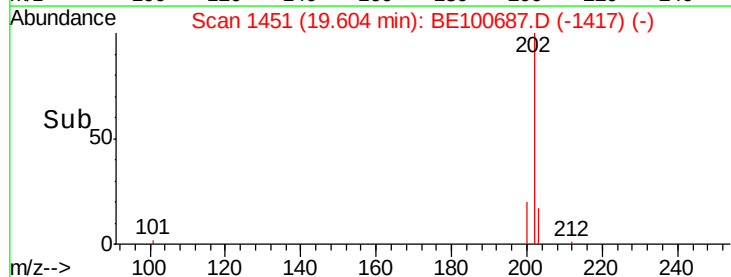
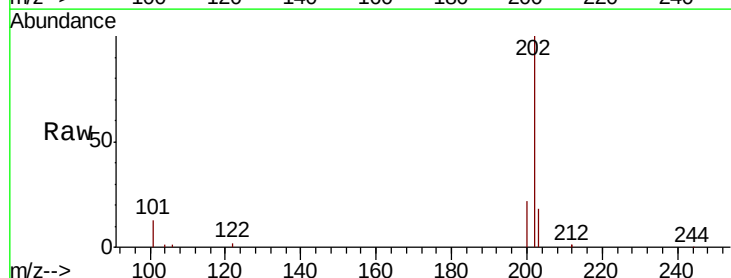
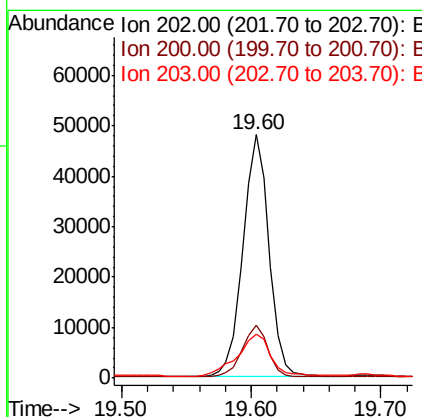
RT: 19.60 min Scan# 1451

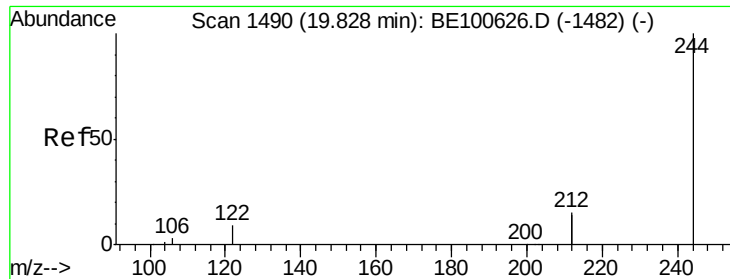
Delta R.T. -0.01 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	21.9	14.0	21.0#





#29

Terphenyl-d14

Concen: 0.202 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Instrument :

BNA_E

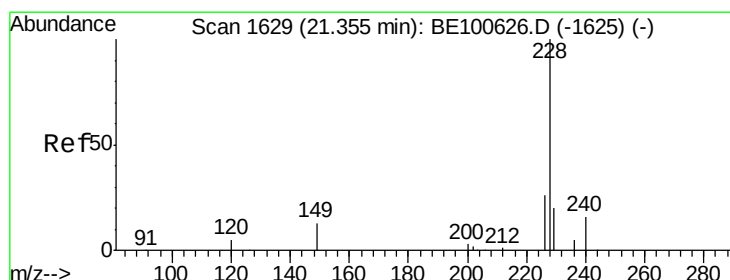
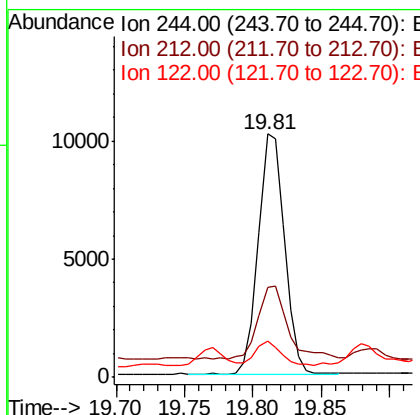
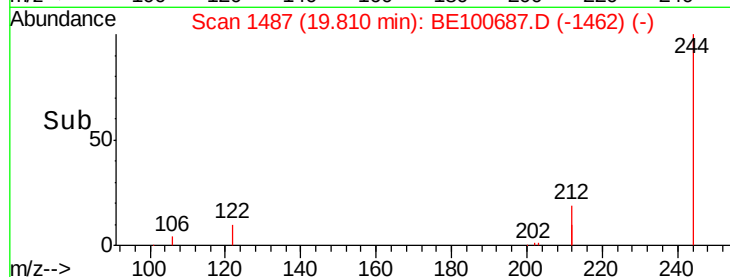
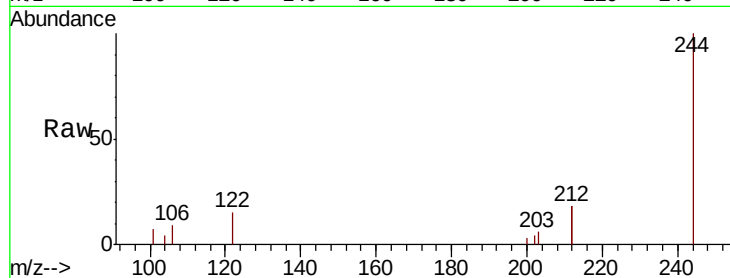
ClientSampleId :

IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
244	100		
212	36.8	23.7	35.5#
122	14.8	7.9	11.9#

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#30

Benzo(a)anthracene

Concen: 0.198 ng

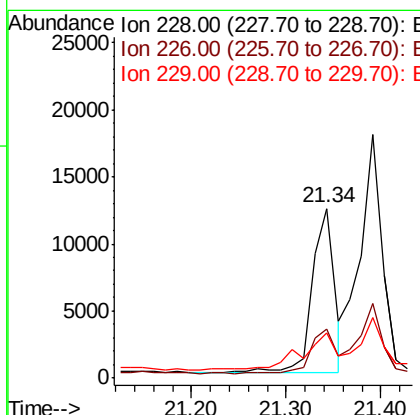
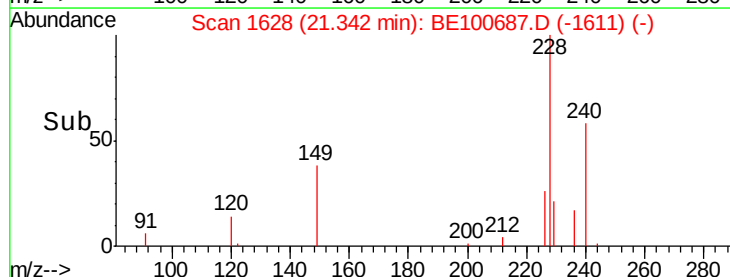
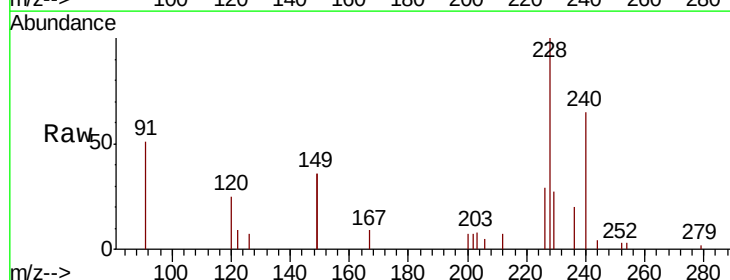
RT: 21.34 min Scan# 1628

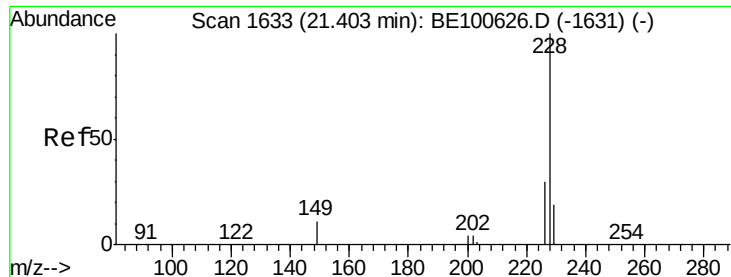
Delta R.T. 0.00 min

Lab File: BE100687.D

Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.0
229	26.5	16.0	24.0#





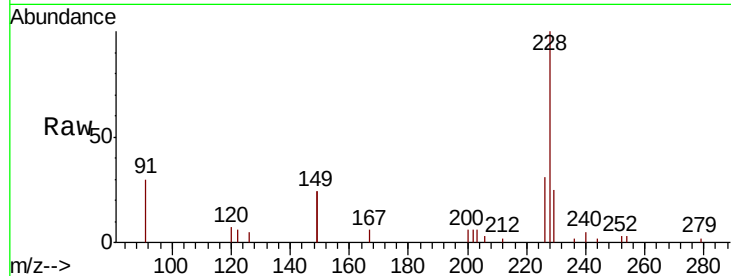
#31
Chrysene
Concen: 0.291 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	24.8	15.8	23.8

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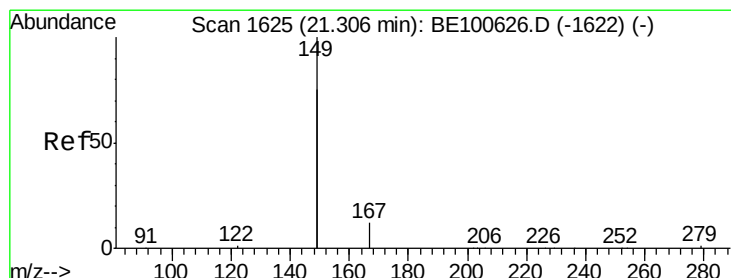
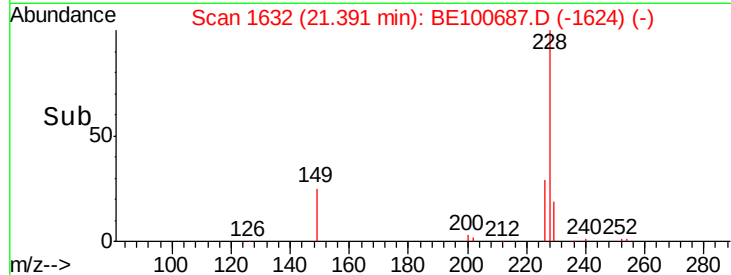
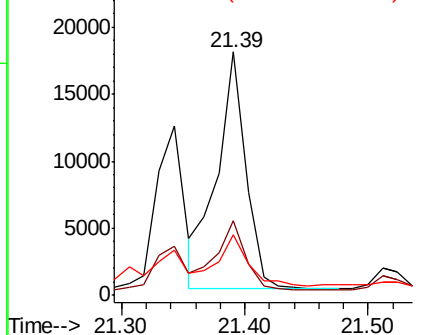


Abundance

Ion 228.00 (227.70 to 228.70): E

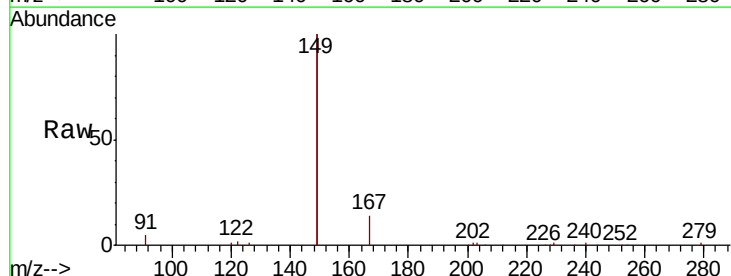
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 1.442 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.5	8.3
279	1.1	0.9	1.3

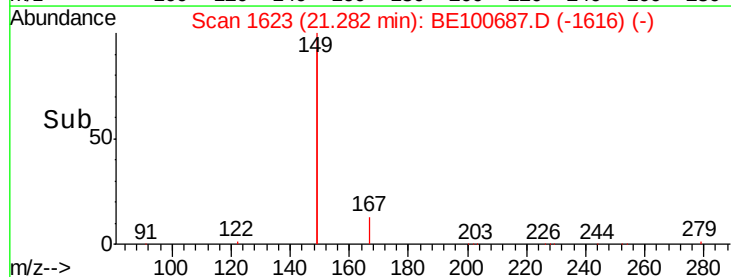
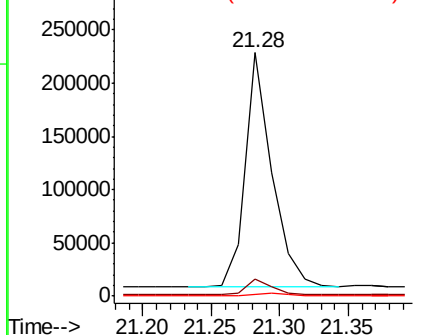


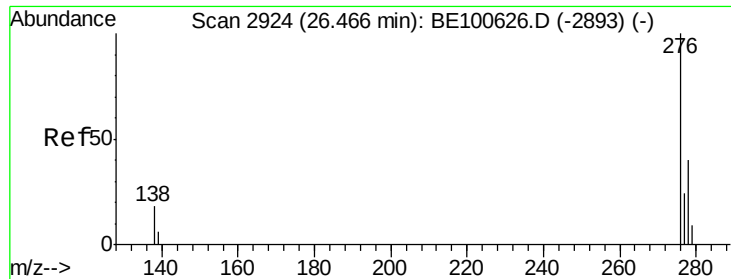
Abundance

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





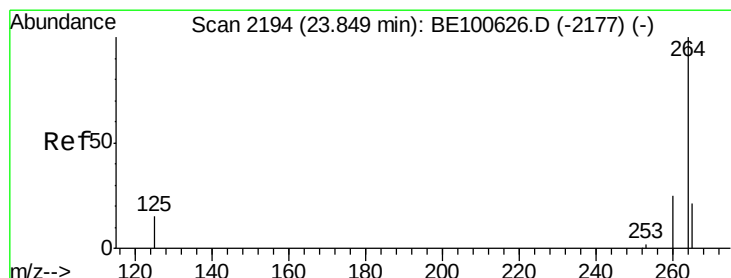
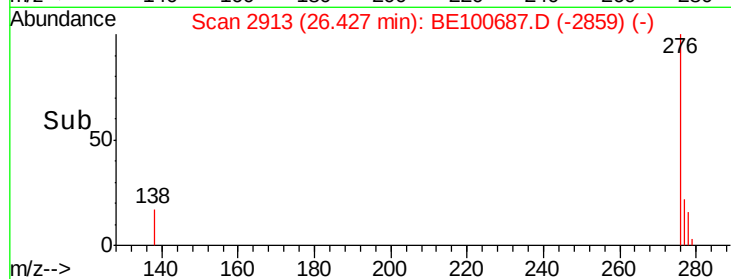
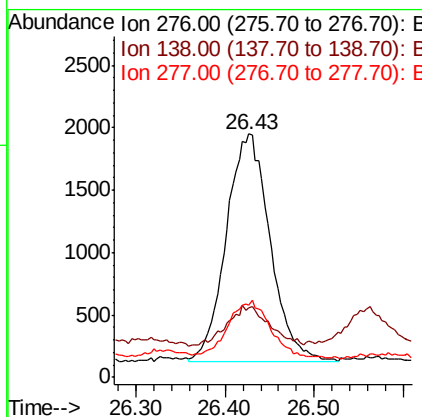
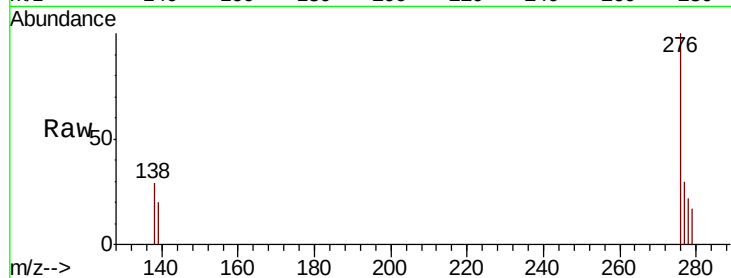
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.051 ng
RT: 26.43 min Scan# 2913
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	15.3	22.9
277	23.3	19.4	29.2

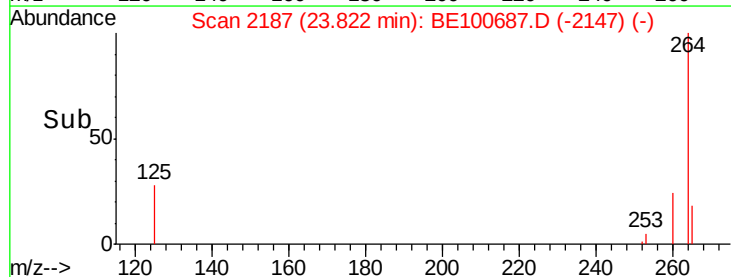
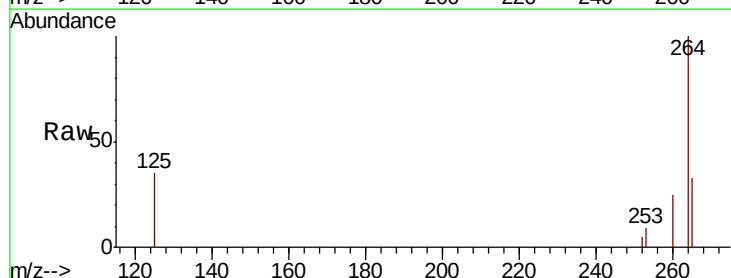
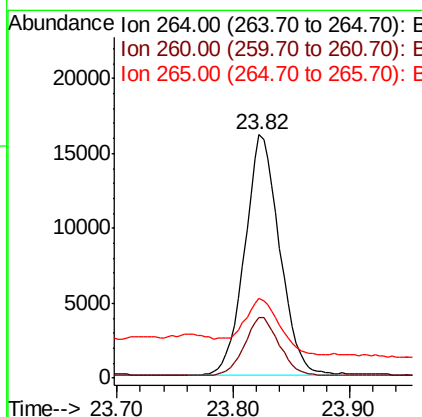
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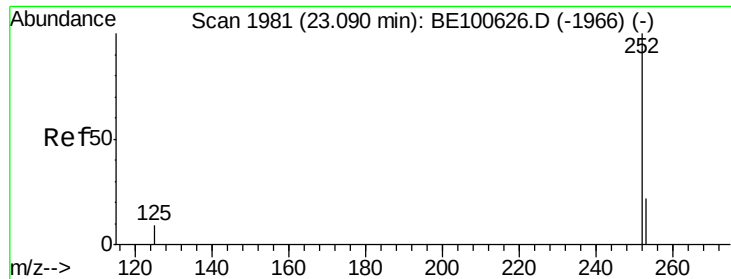
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	32.6	21.7	32.5#





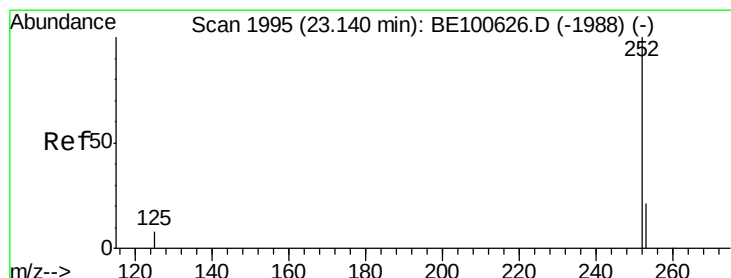
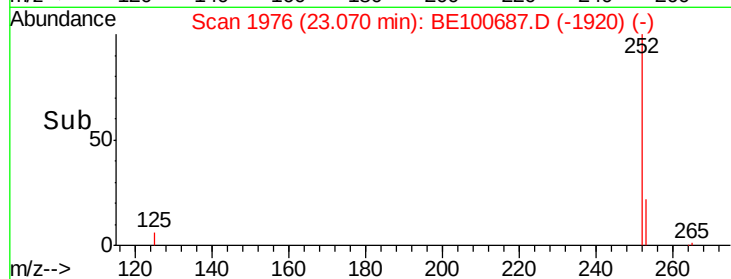
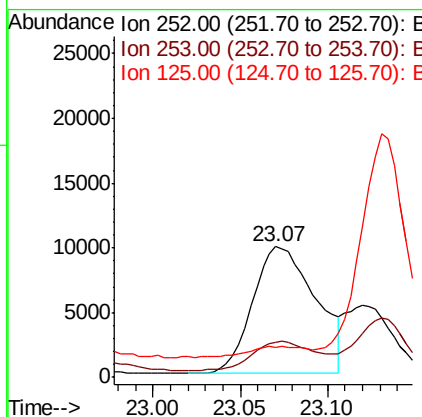
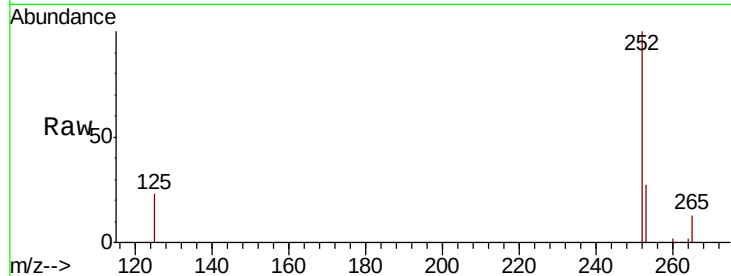
#35
Benzo(b)fluoranthene
Concen: 0.252 ng
RT: 23.07 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.4	27.6
125	23.2	7.6	11.4

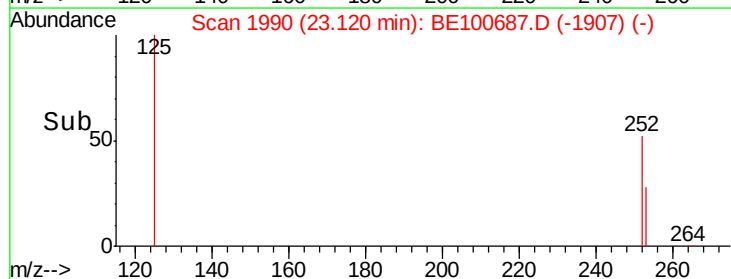
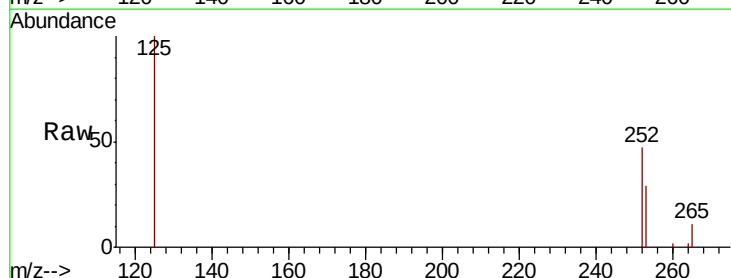
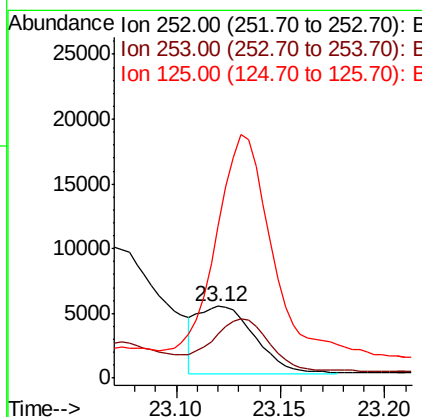
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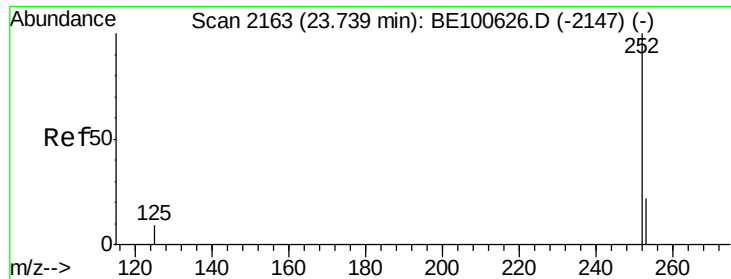
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.101 ng m
RT: 23.12 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	61.1	18.4	27.6
125	211.0	11.6	17.4





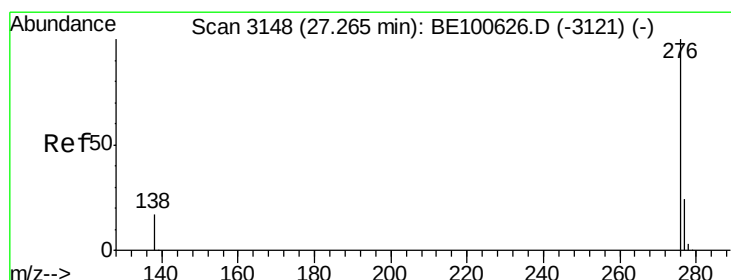
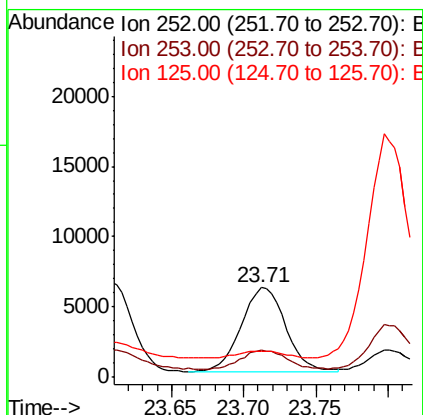
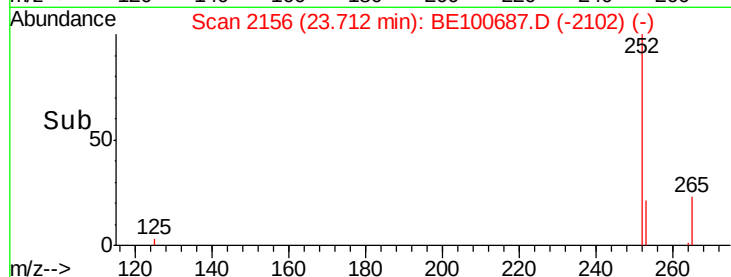
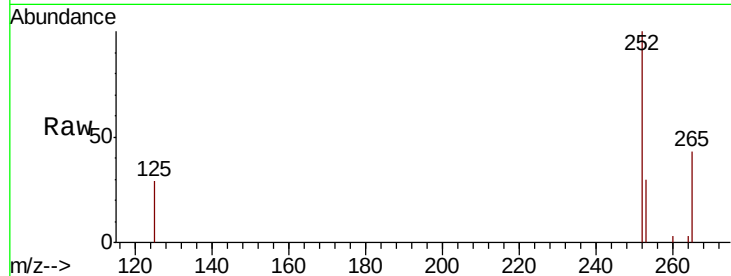
#37
Benzo(a)pyrene
Concen: 0.138 ng
RT: 23.71 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Instrument :
BNA_E
ClientSampleId :
IDW-DECON-WATER-102519

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.4	27.6#
125	29.3	8.2	12.4#

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#39
Benzo(g,h,i)perylene
Concen: 0.077 ng
RT: 27.23 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BE100687.D
Acq: 28 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.4	29.0#
138	27.1	13.6	20.4#

