

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061419\
 Data File : BE100036.D
 Acq On : 14 Jun 2019 22:58
 Operator : JU/SJ
 Sample : K3284-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4003-20190610

Manual Integrations
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mohammad
 6/17/2019 4:51:47 PM

Quant Time: Jun 15 02:09:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	833	0.40	ng	-0.01
7) Naphthalene-d8	10.59	136	3120	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	2657	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	8028	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	9937	0.40	ng	-0.01
34) Perylene-d12	23.92	264	11960	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.35	112	353	0.16	ng	0.00
5) Phenol-d6	6.95	99	290	0.10	ng	-0.01
8) Nitrobenzene-d5	8.95	82	1302	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.19	152	1944	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	829	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	3948	0.39	ng	-0.03
25) Fluoranthene-d10	19.24	212	37480	0.32	ng	-0.02
29) Terphenyl-d14	19.83	244	10448	0.58	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	55	0.045	ng	# 1
9) Naphthalene	10.64	128	1038	0.031	ng	# 79
22) Pentachlorophenol	16.88	266	307	0.437	ng	# 44
23) Phenanthrene	17.24	178	12416	0.637	ng	99
26) Fluoranthene	19.27	202	59205	1.788	ng	98
28) Pyrene	19.63	202	44110	1.690	ng	97
30) Benzo(a)anthracene	21.37	228	14741m	0.496	ng	
31) Chrysene	21.43	228	44244m	1.441	ng	
32) Bis(2-ethylhexyl)phthalate	21.29	149	39377	0.924	ng	99
33) Indeno(1,2,3-cd)pyrene	26.59	276	27247	0.748	ng	100
35) Benzo(b)fluoranthene	23.14	252	56136	1.675	ng	# 97
36) Benzo(k)fluoranthene	23.18	252	19407m	0.554	ng	
37) Benzo(a)pyrene	23.80	252	22654	0.686	ng	# 91
38) Dibenzo(a,h)anthracene	26.61	278	5129	0.154	ng	# 73
39) Benzo(a,h,i)perylene	27.42	276	28444	0.828	ng	99

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

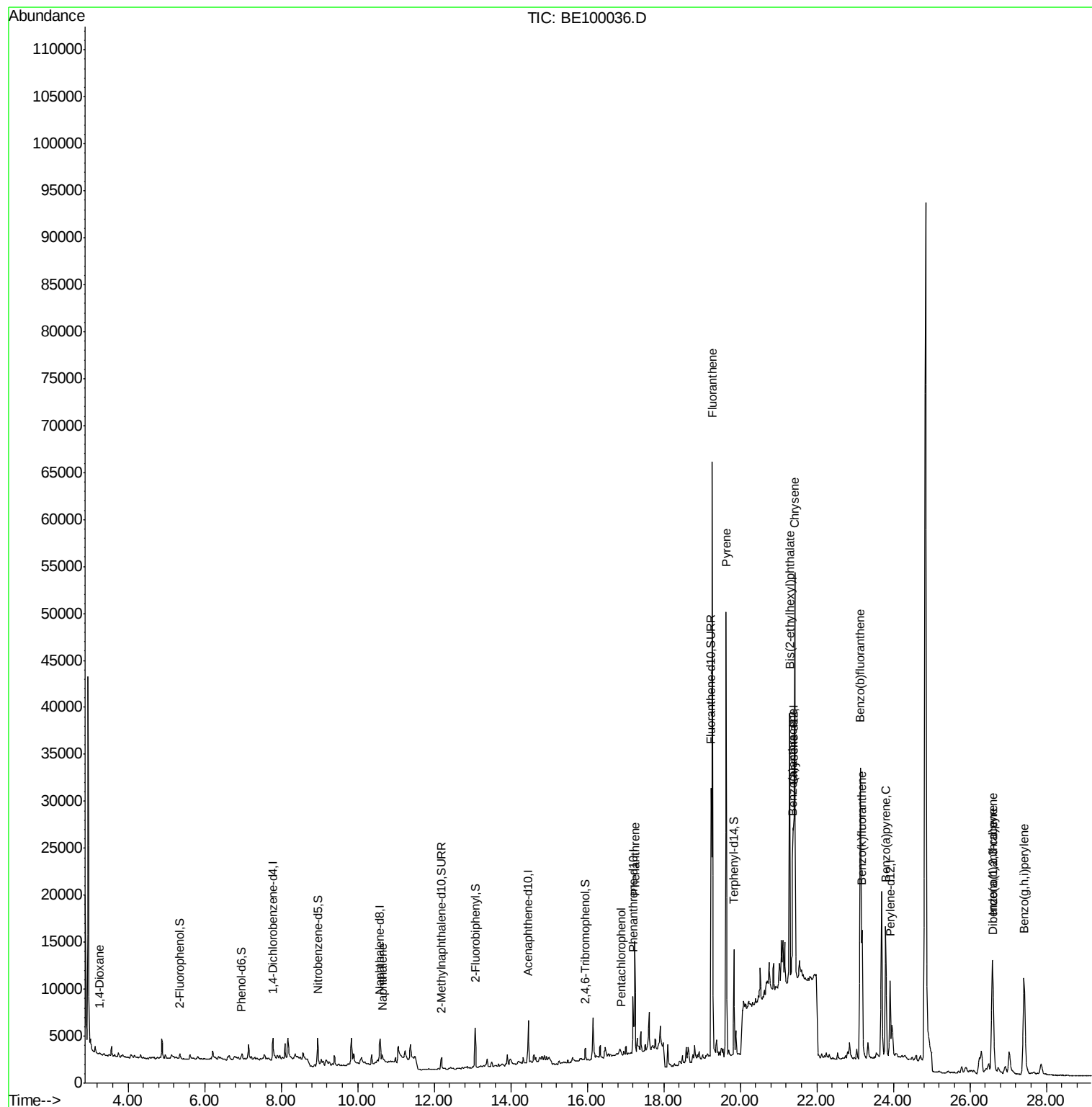
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061419\
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Quant Time: Jun 15 02:09:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.78 min Scan# 427

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion:152 Resp: 833

Ion Ratio Lower Upper

152 100

150 140.3 111.0 166.6

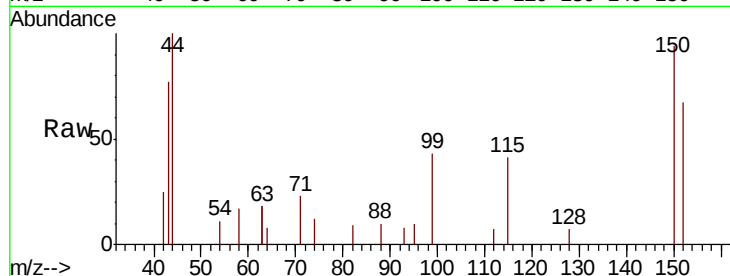
115 61.0 50.7 76.1

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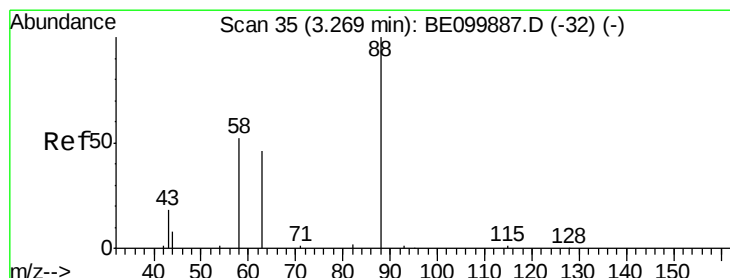
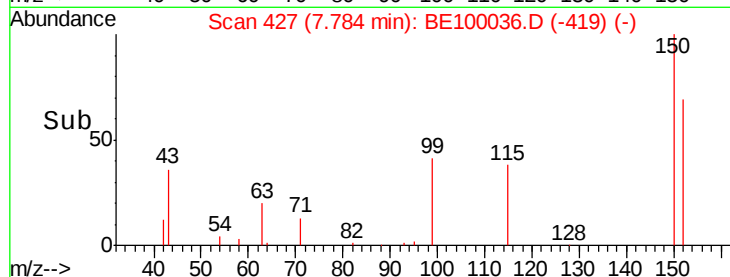
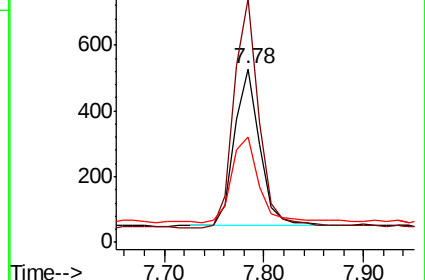
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.045 ng

RT: 3.26 min Scan# 34

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

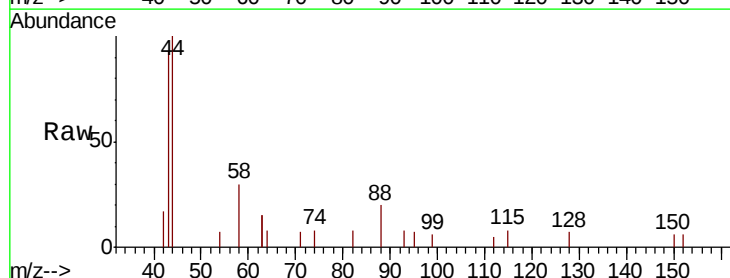
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

58 87.3 48.8 73.2#

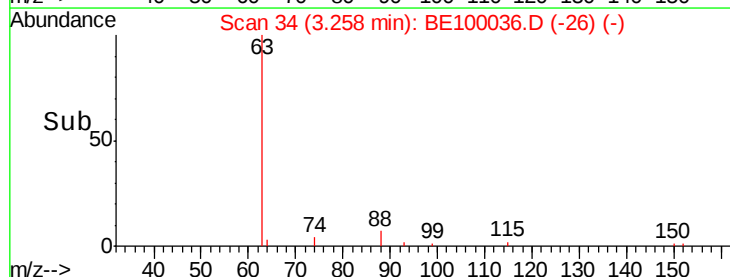
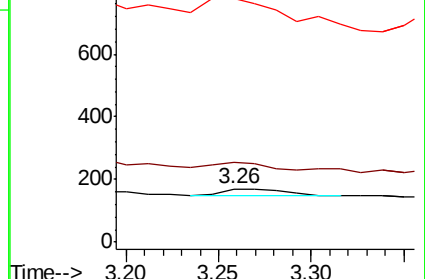
43 376.4 19.0 28.6#



Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.157 ng

RT: 5.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

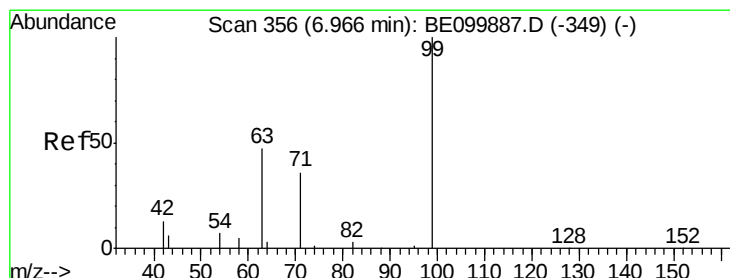
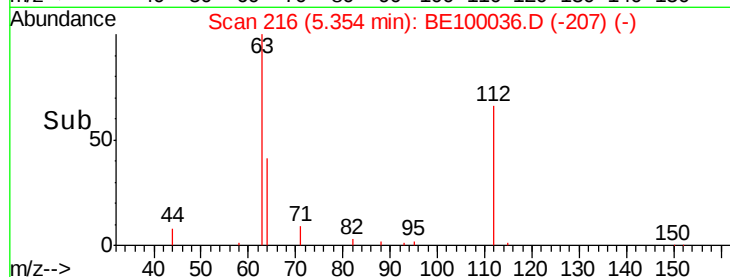
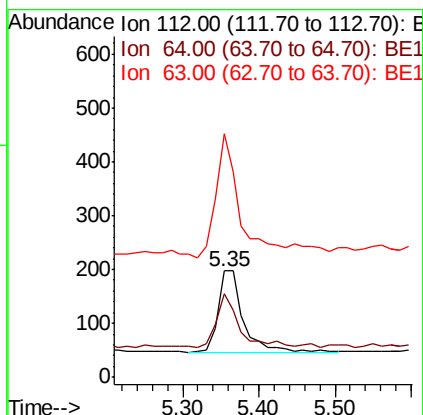
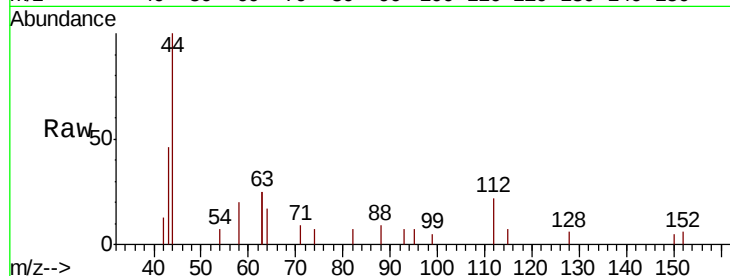
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion:	112	Resp:	353
Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	140.5	87.8	131.6#

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#5

Phenol-d6

Concen: 0.100 ng

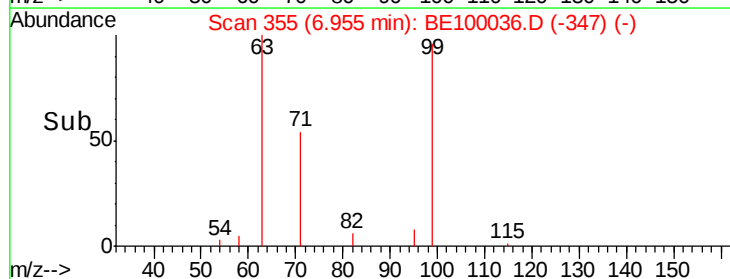
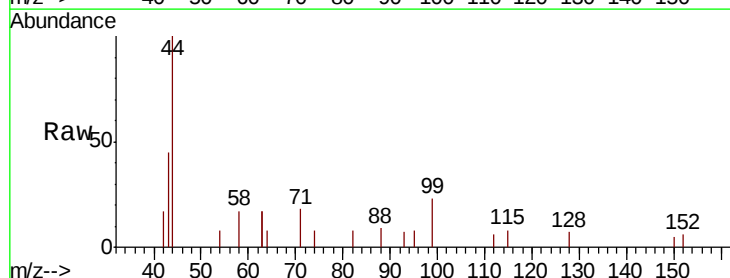
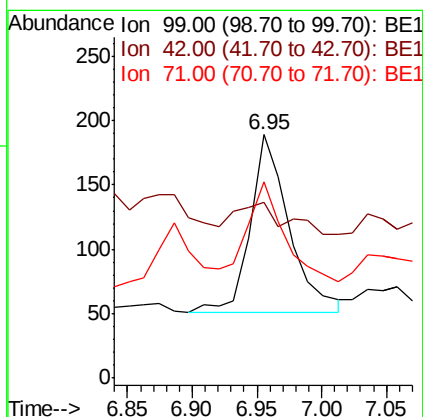
RT: 6.95 min Scan# 355

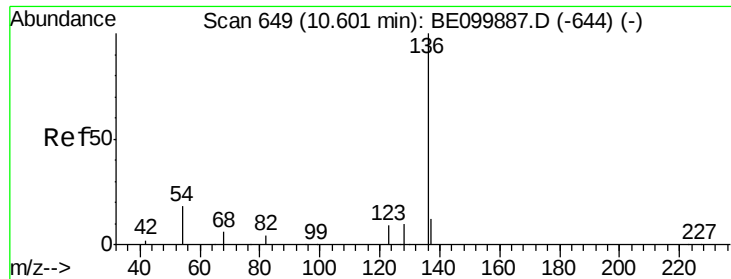
Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Tgt Ion:	99	Resp:	290
Ion	Ratio	Lower	Upper
99	100		
42	22.1	15.9	23.9
71	52.8	34.6	52.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

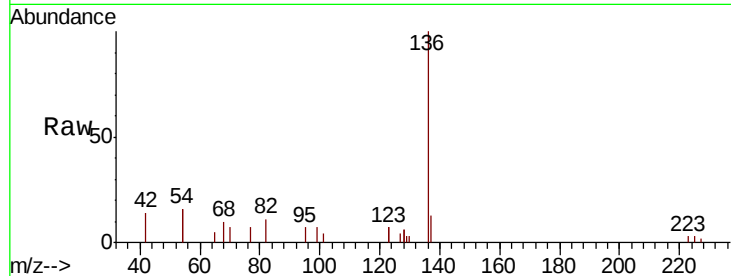
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.0	12.3	18.5
54	32.8	28.2	42.4
68	9.8	7.8	11.8

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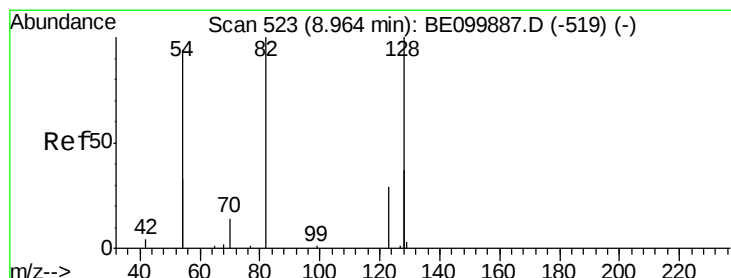
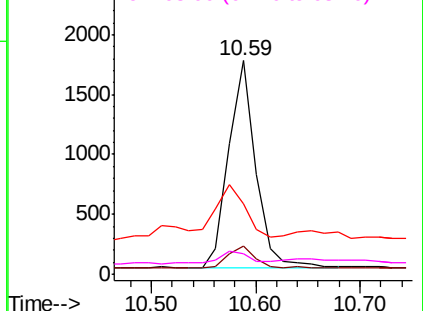
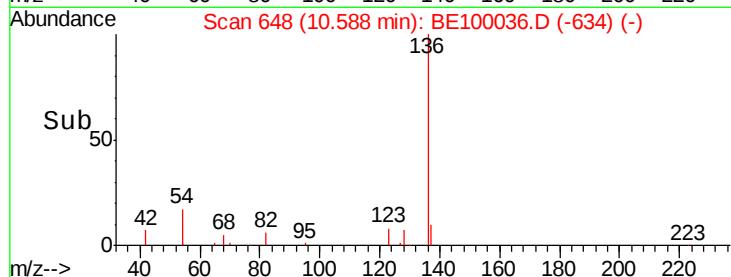
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.441 ng

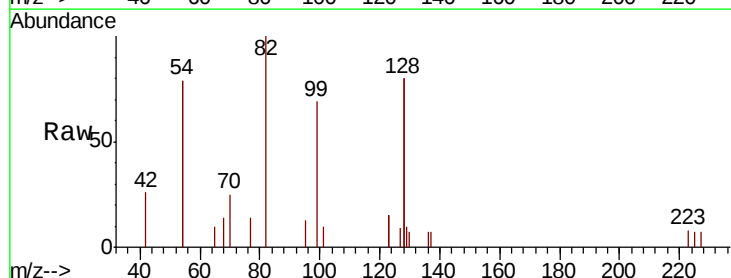
RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	160.7	137.3	205.9
54	157.8	129.7	194.5

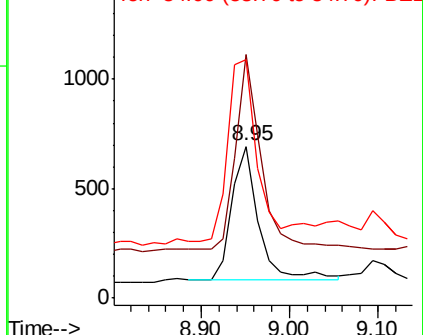
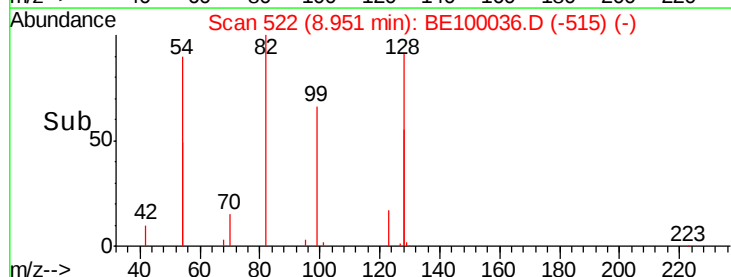


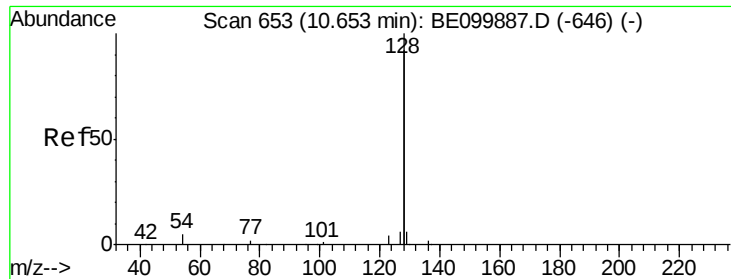
Abundance

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





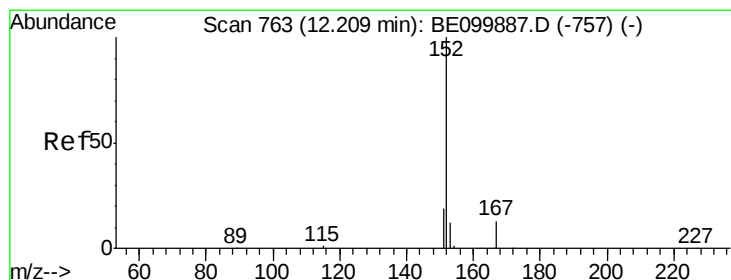
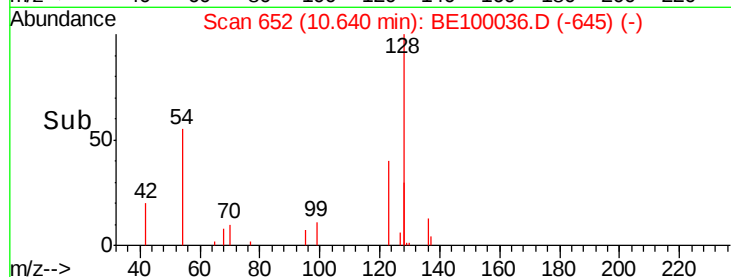
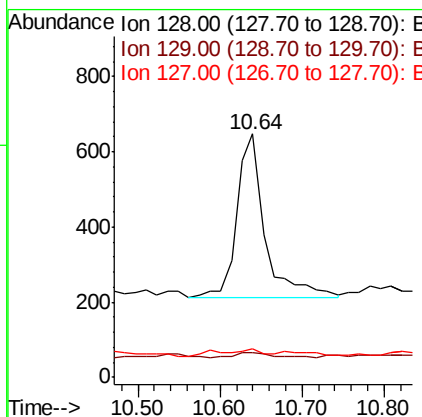
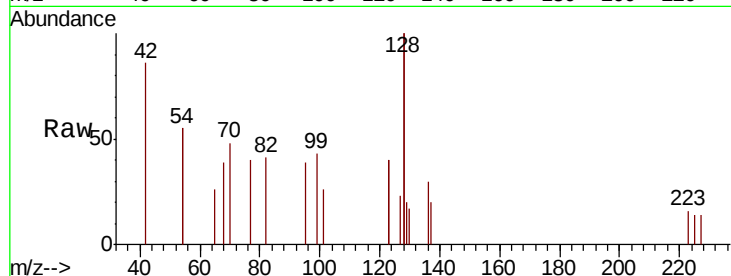
#9
Naphthalene
Concen: 0.031 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	3.0	4.6#
127	11.7	3.4	5.0#

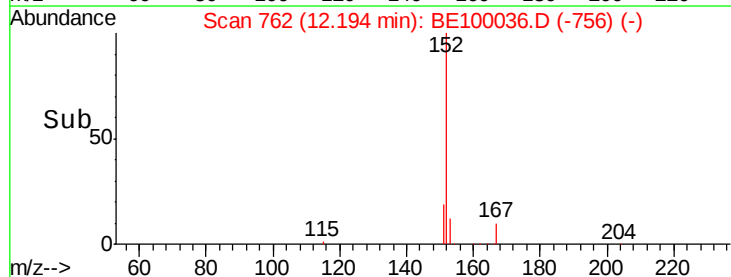
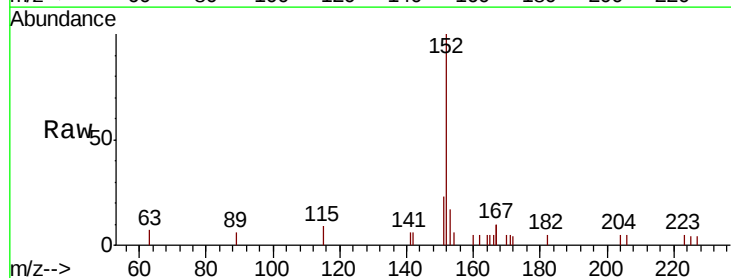
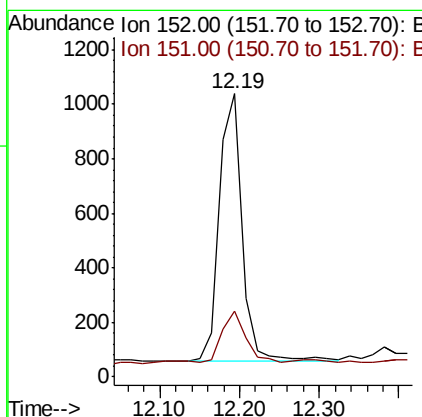
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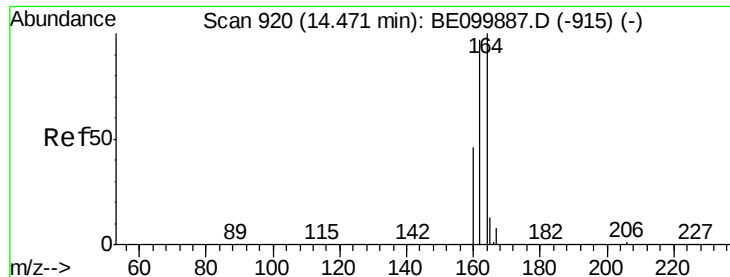
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#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.02 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

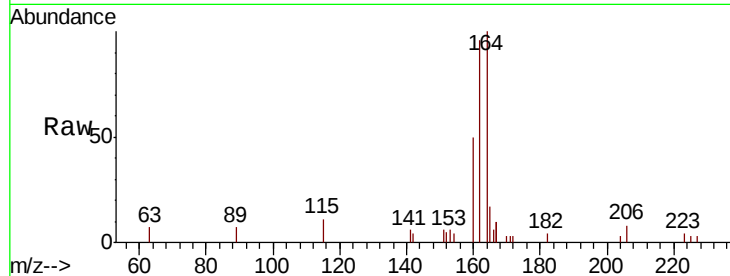
ClientSampleId :

BP-TT-SW4003-20190610

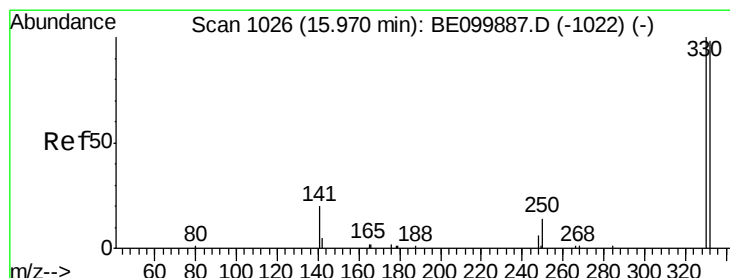
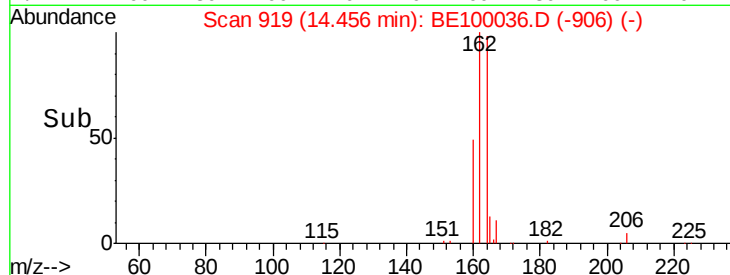
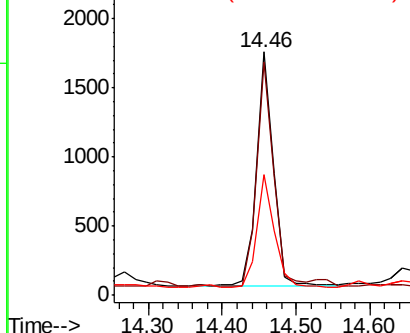
Tot Ion:	164	Resp:	2657
Ion Ratio	Lower	Upper	
164	100		
162	95.8	77.8	116.8
160	49.7	38.2	57.4

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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: 0.422 ng

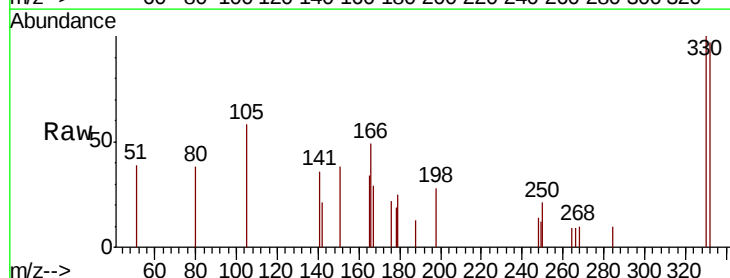
RT: 15.96 min Scan# 1025

Delta R.T. -0.01 min

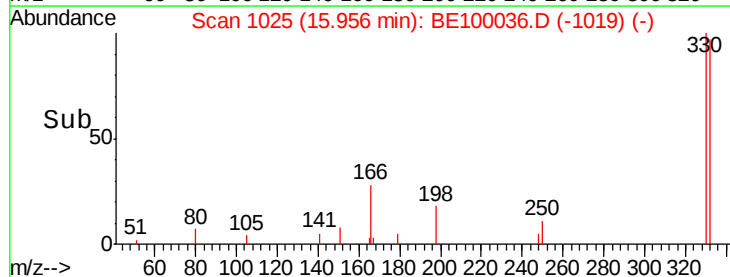
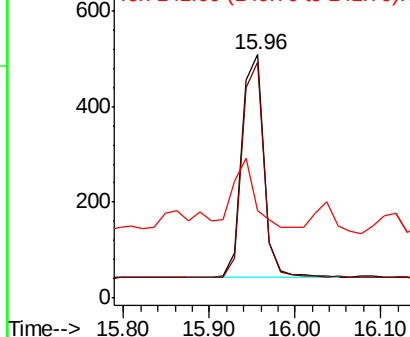
Lab File: BE100036.D

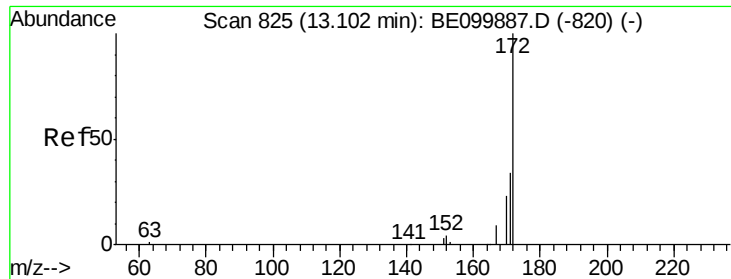
Acq: 14 Jun 2019 22:58

Tgt Ion:	330	Resp:	829
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.7	115.1
141	30.2	21.0	31.6



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





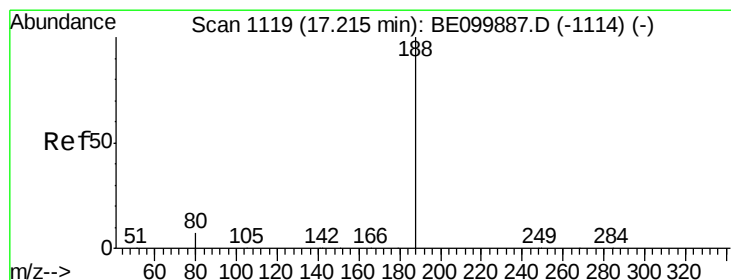
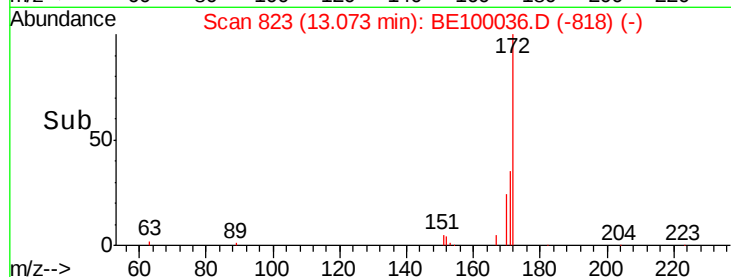
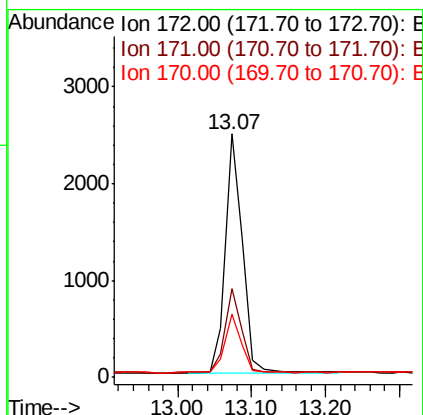
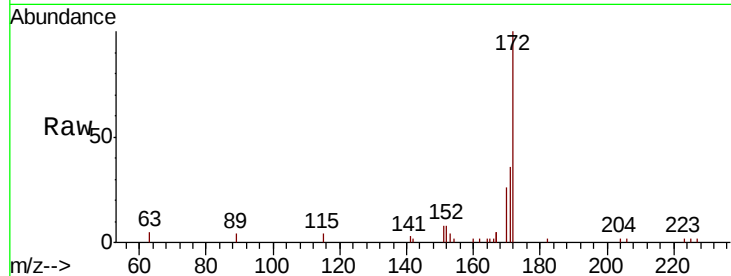
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.03 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

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BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	26.0	21.2	31.8

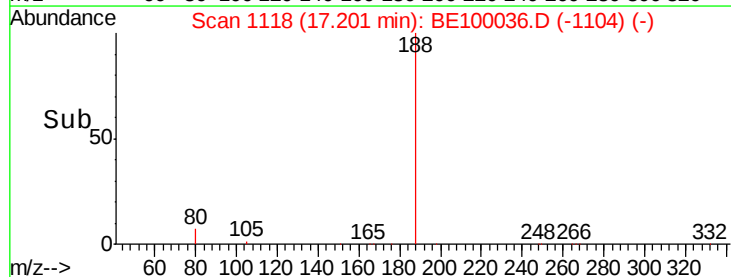
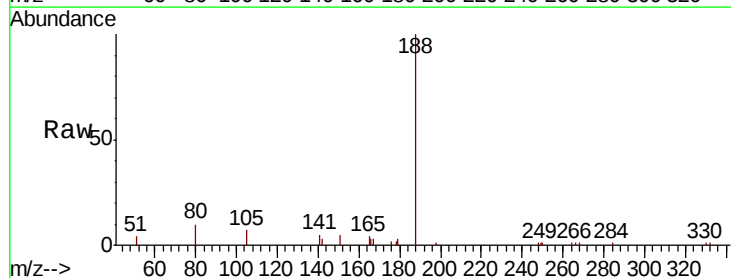
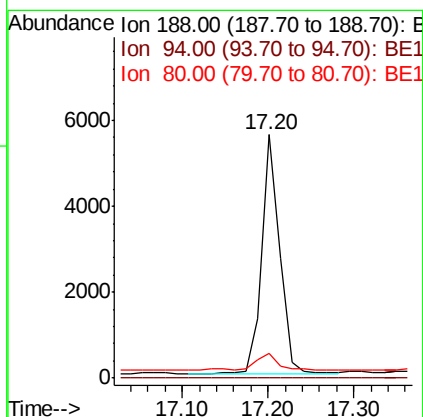
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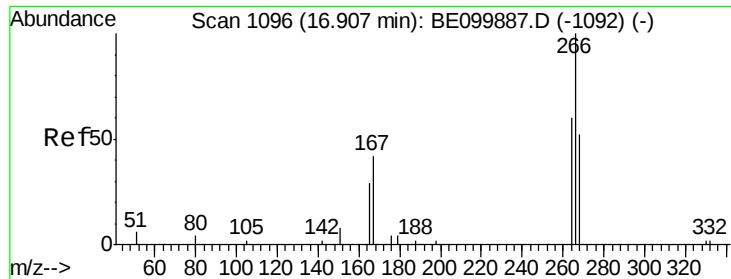
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	6.4	9.6





#22

Pentachlorophenol

Concen: 0.437 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

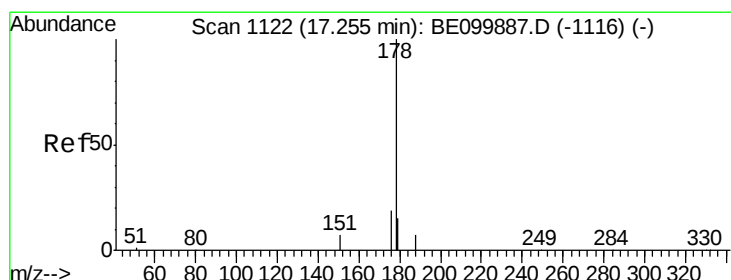
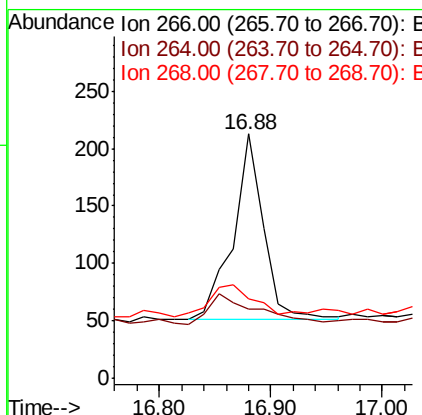
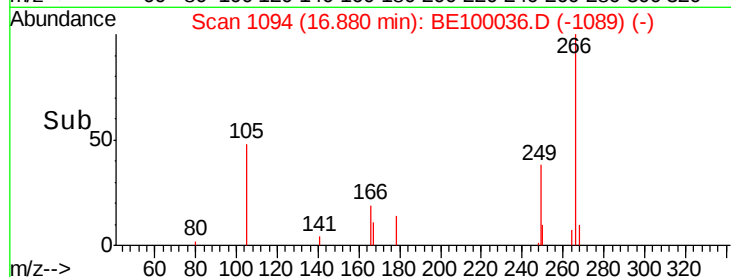
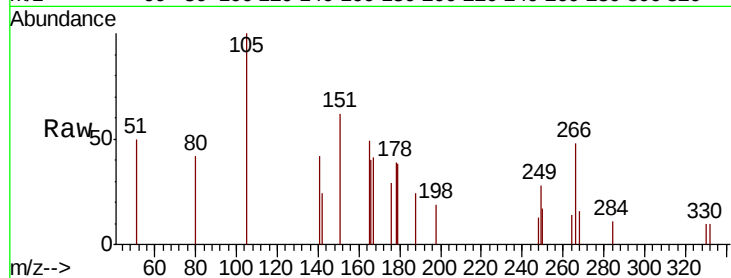
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion:	266	Resp:	307
Ion Ratio	Lower	Upper	
266	100		
264	28.2	62.2	93.2#
268	32.4	65.5	98.3#

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#23

Phenanthrene

Concen: 0.637 ng

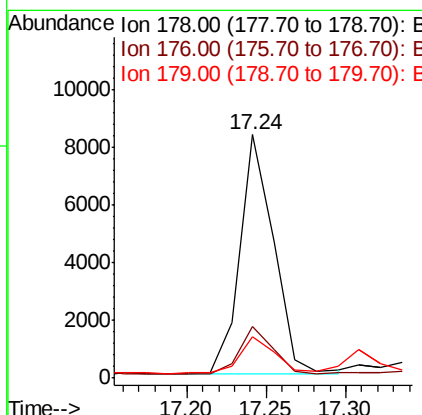
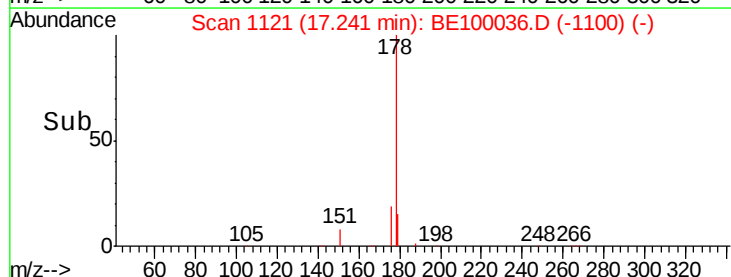
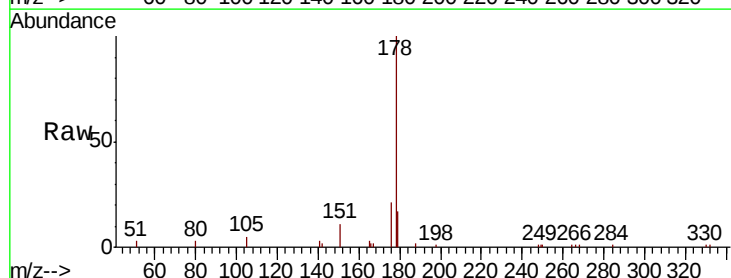
RT: 17.24 min Scan# 1121

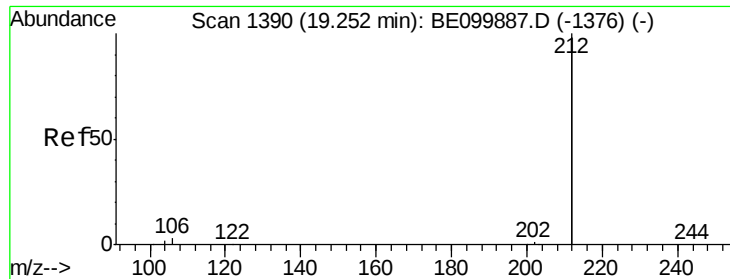
Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Tgt Ion:	178	Resp:	12416
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.9	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

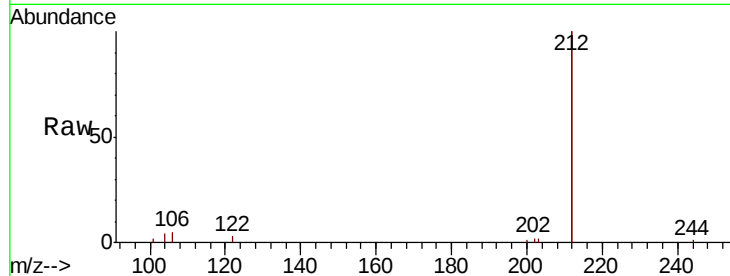
ClientSampleId :

BP-TT-SW4003-20190610

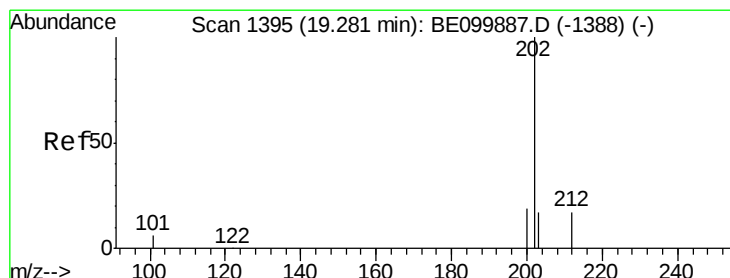
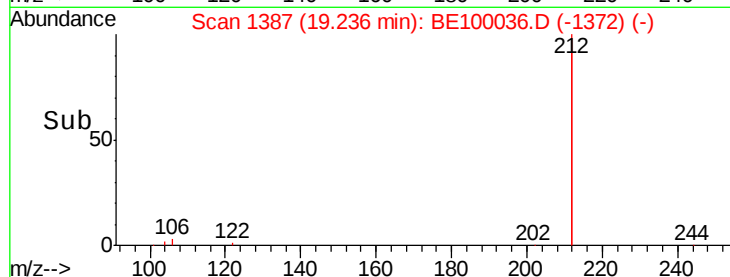
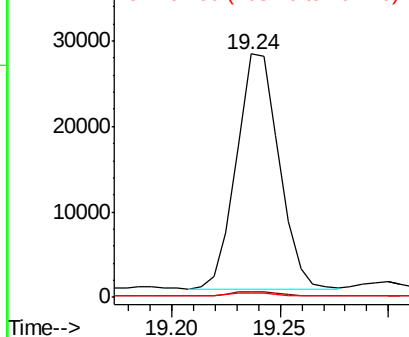
Tot Ion:	212	Resp:	37480
Ion Ratio	Lower	Upper	
212	100		
106	2.1	1.4	2.2
104	1.2	0.9	1.3

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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: 1.788 ng

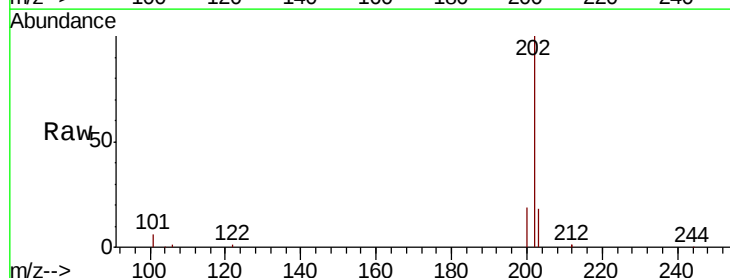
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

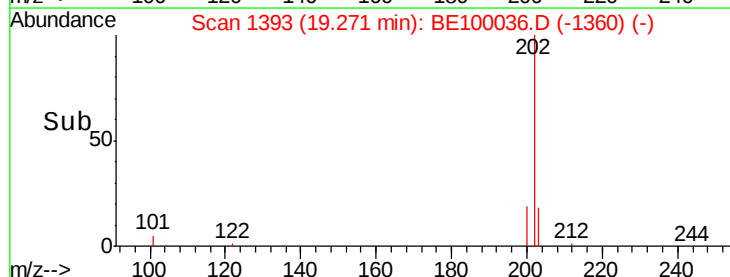
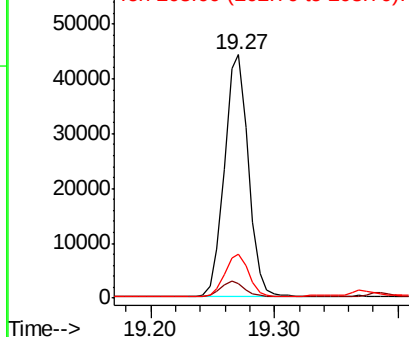
Lab File: BE100036.D

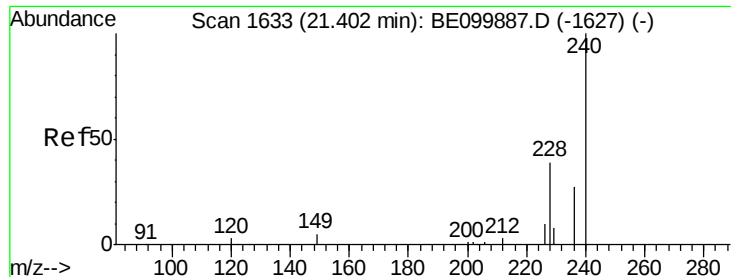
Acq: 14 Jun 2019 22:58

Tgt Ion:	202	Resp:	59205
Ion Ratio	Lower	Upper	
202	100		
101	6.4	5.4	8.0
203	17.3	13.2	19.8



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





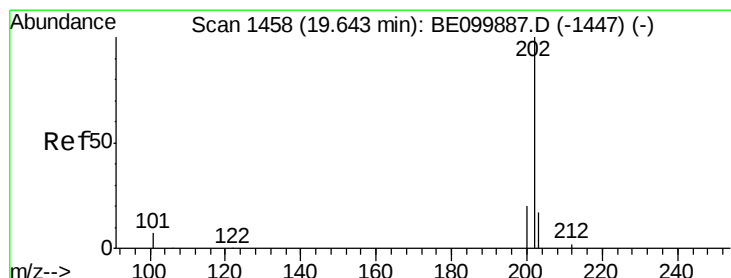
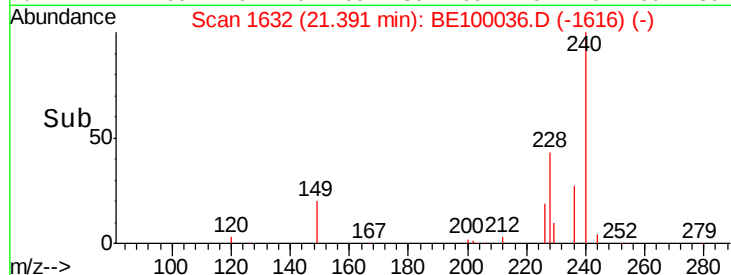
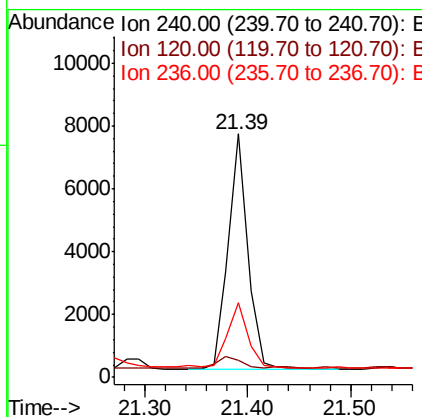
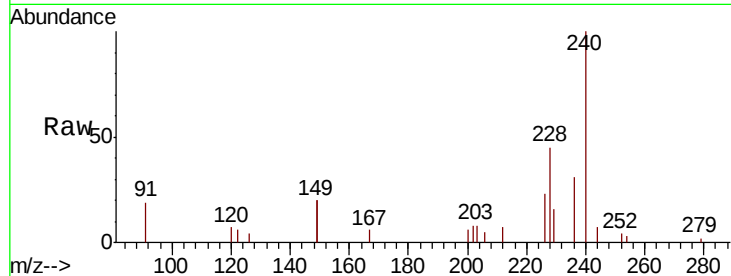
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	3.8	5.6#
236	30.9	22.0	33.0

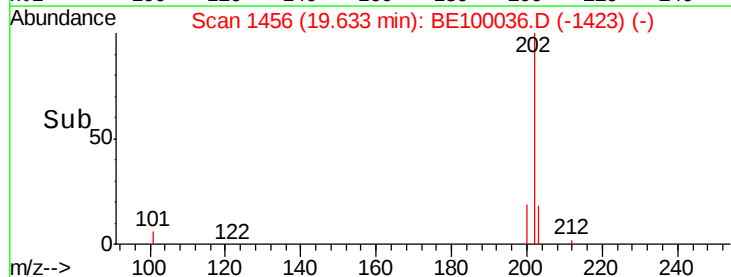
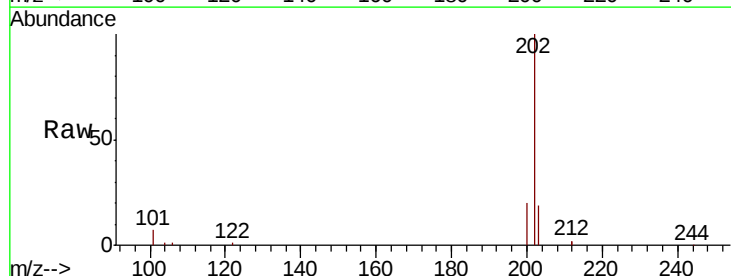
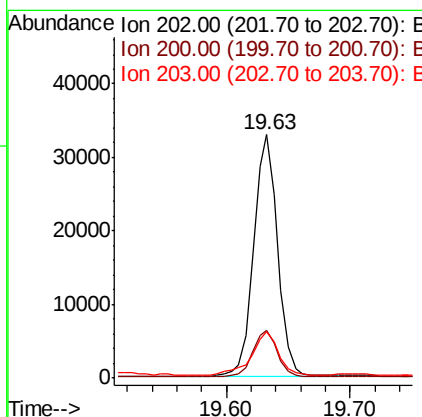
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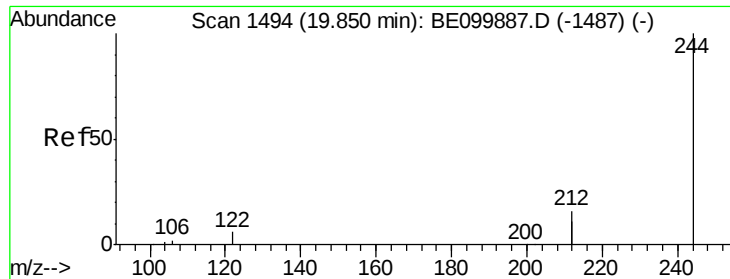
mohammad
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#28
Pyrene
Concen: 1.690 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.5	23.3
203	20.4	14.0	21.0





#29

Terphenyl-d14

Concen: 0.584 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.02 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

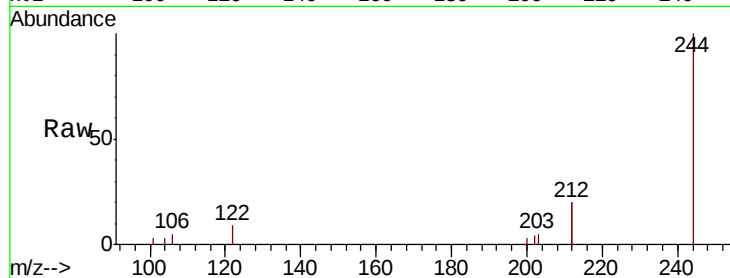
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
244	100		
212	39.0	25.7	38.5#
122	9.1	5.5	8.3#

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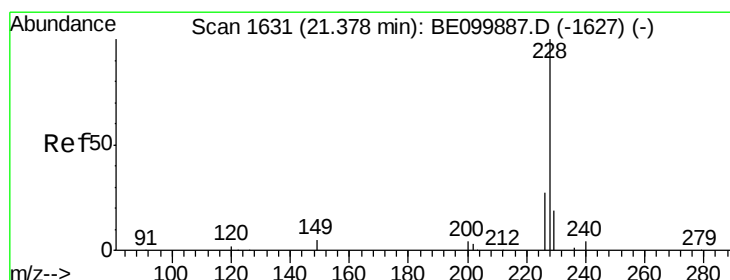
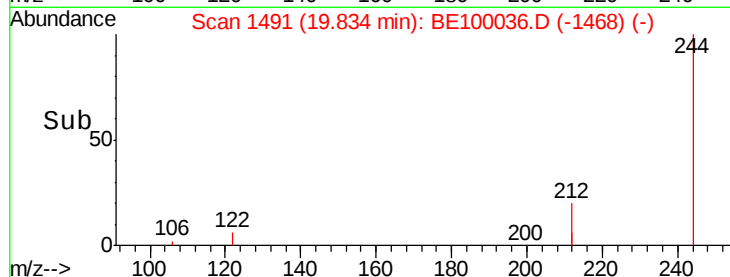
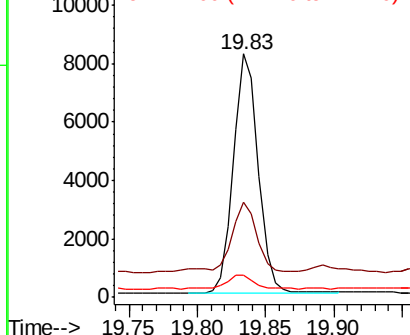


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.496 ng m

RT: 21.37 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

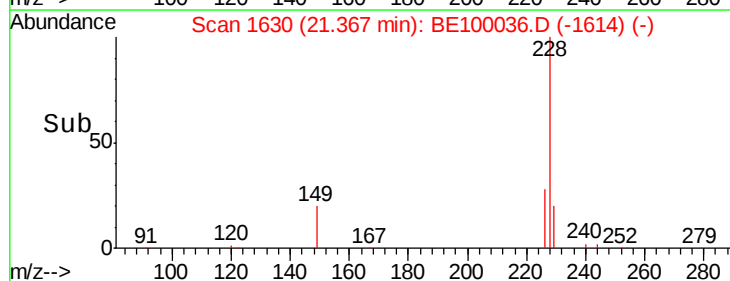
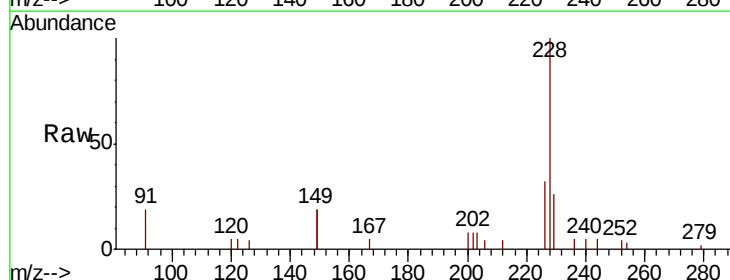
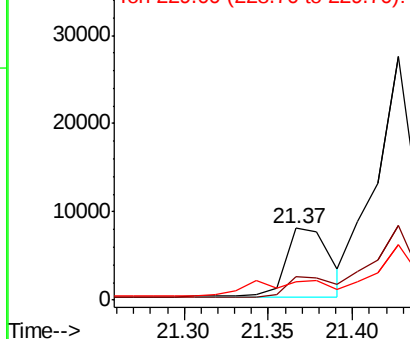
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.5	33.7
229	25.7	15.9	23.9#

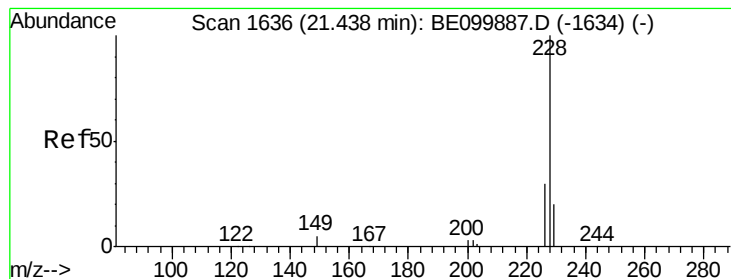
Abundance

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: 1.441 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

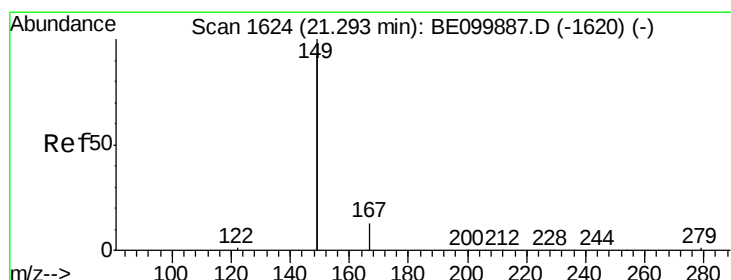
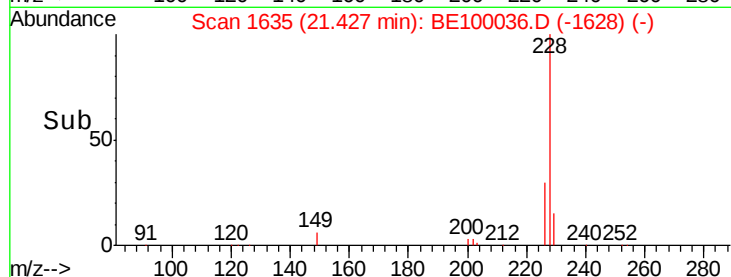
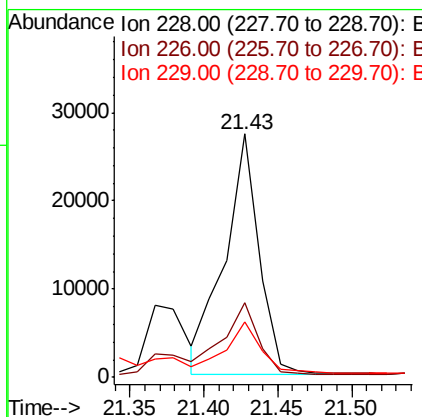
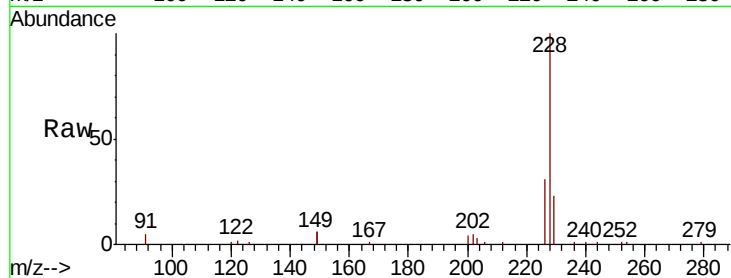
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion:228	Resp:	44244
Ion Ratio	Lower	Upper
228	100	
226	30.6	24.1 36.1
229	22.7	16.1 24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.924 ng

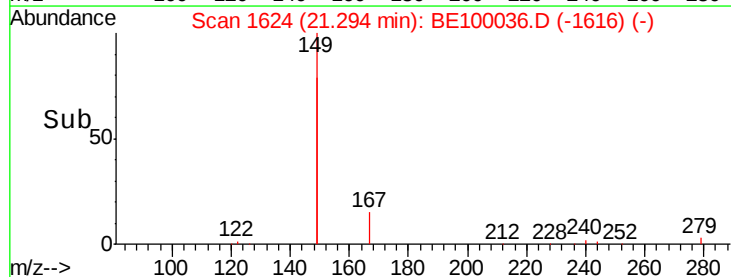
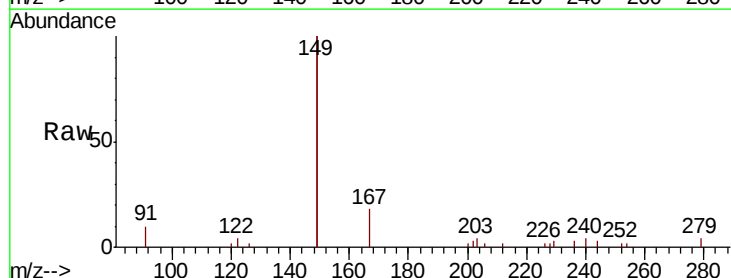
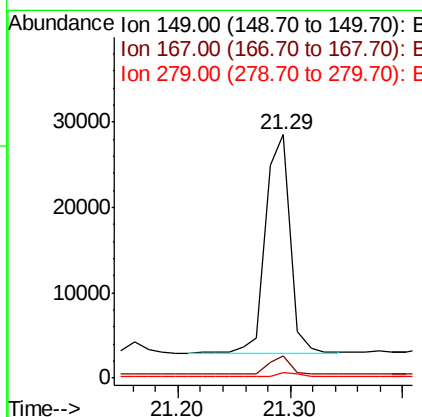
RT: 21.29 min Scan# 1624

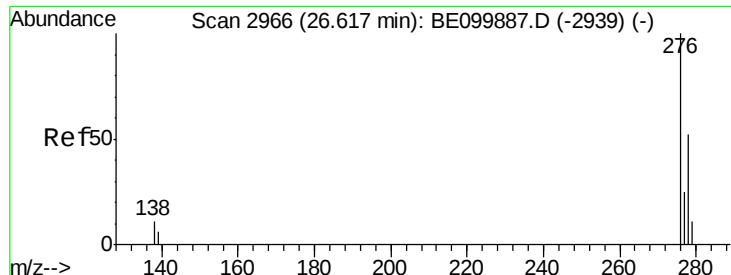
Delta R.T. 0.00 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Tgt Ion:149	Resp:	39377
Ion Ratio	Lower	Upper
149	100	
167	7.1	5.9 8.9
279	1.4	1.2 1.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.748 ng

RT: 26.59 min Scan# 2958

Delta R.T. -0.03 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

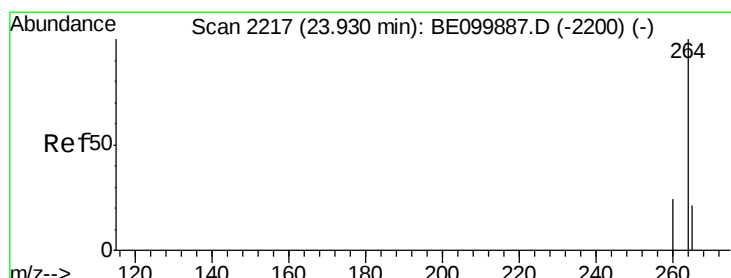
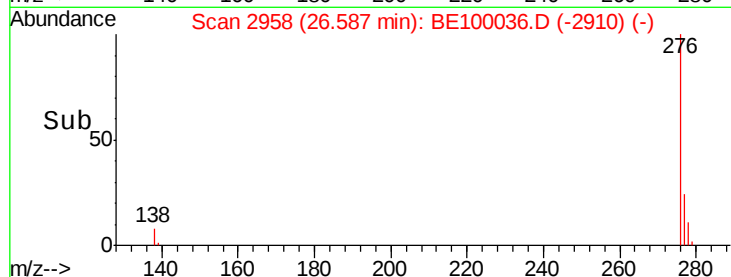
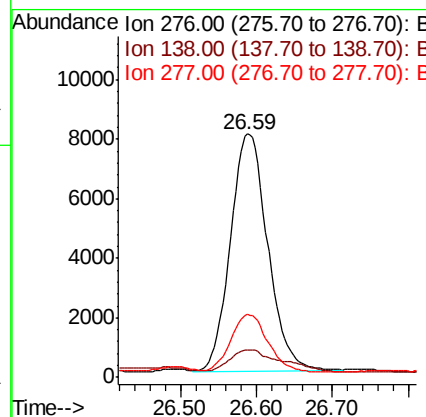
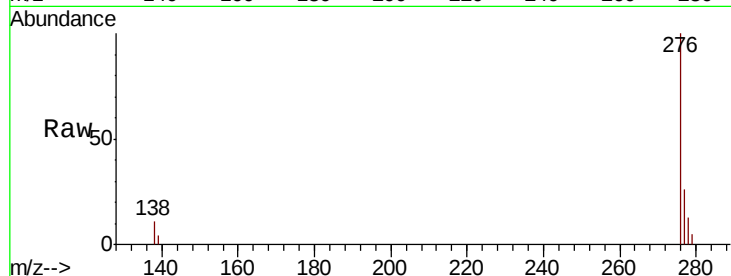
ClientSampleId :

BP-TT-SW4003-20190610

Tot Ion:	276	Resp:	27247
Ion Ratio	Lower	Upper	
276	100		
138	12.5	10.1	15.1
277	24.1	19.1	28.7

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#34

Perylene-d12

Concen: 0.400 ng

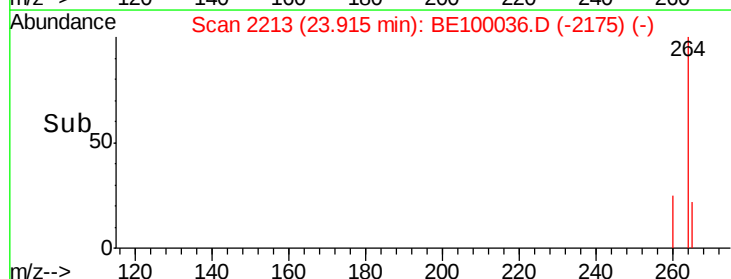
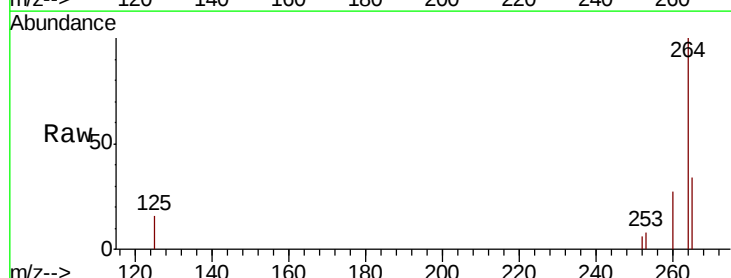
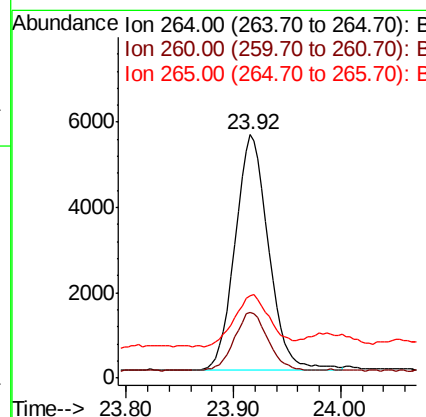
RT: 23.92 min Scan# 2213

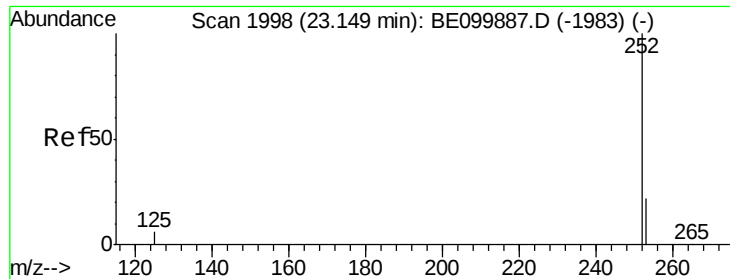
Delta R.T. -0.01 min

Lab File: BE100036.D

Acq: 14 Jun 2019 22:58

Tgt Ion:	264	Resp:	11960
Ion Ratio	Lower	Upper	
264	100		
260	27.0	20.2	30.2
265	33.6	22.0	33.0#





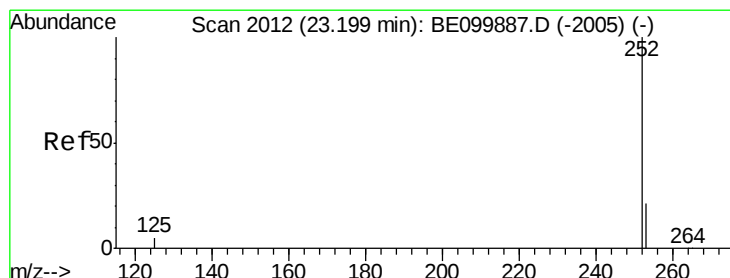
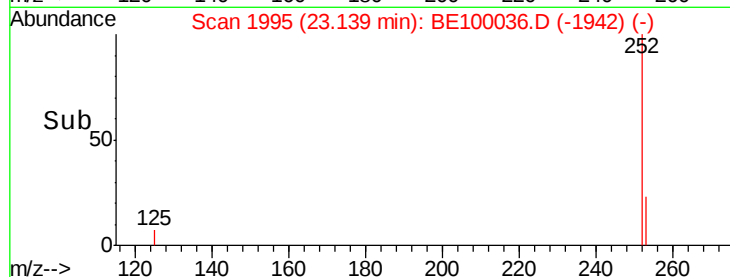
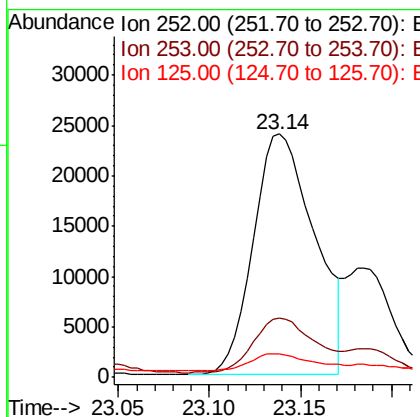
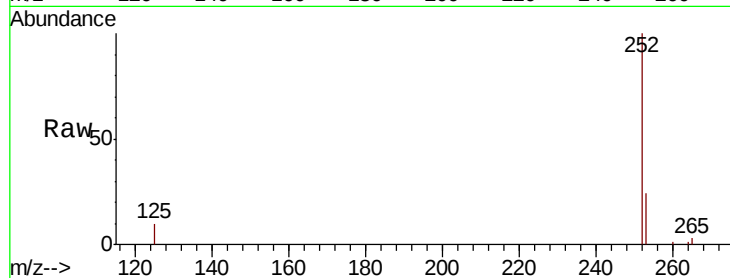
#35
Benzo(b)fluoranthene
Concen: 1.675 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.7	28.1
125	9.8	5.7	8.5#

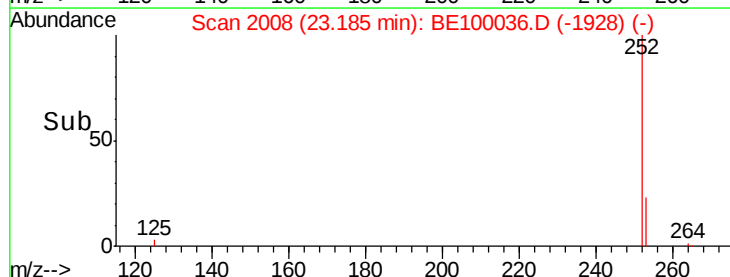
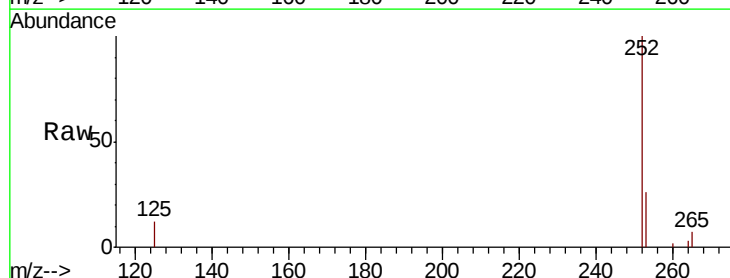
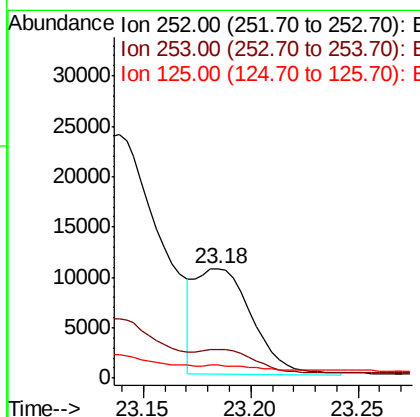
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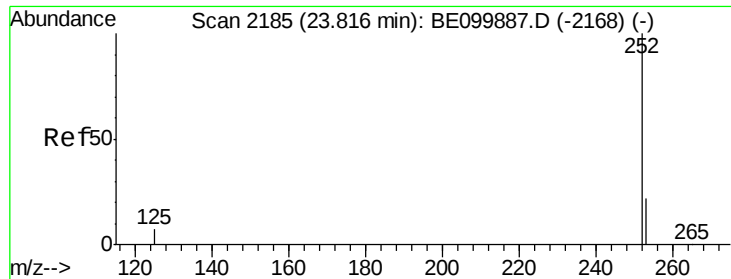
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#36
Benzo(k)fluoranthene
Concen: 0.554 ng m
RT: 23.18 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.6	28.0
125	11.5	5.4	8.0#





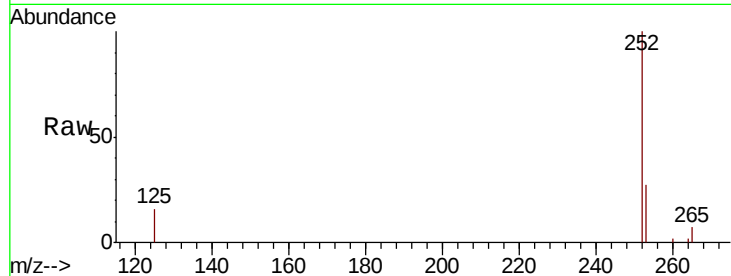
#37
Benzo(a)pyrene
Concen: 0.686 ng
RT: 23.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4003-20190610

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.6	29.4
125	16.3	6.6	10.0

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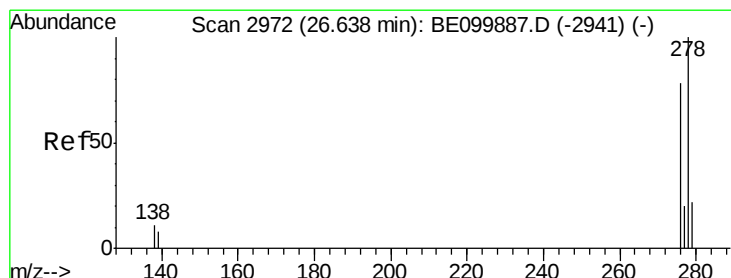
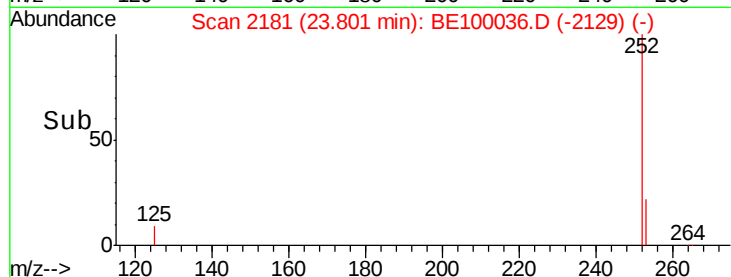
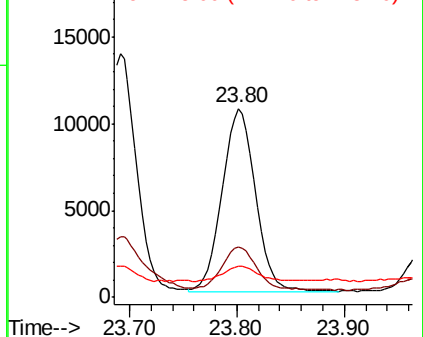


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.154 ng
RT: 26.61 min Scan# 2965
Delta R.T. -0.03 min
Lab File: BE100036.D
Acq: 14 Jun 2019 22:58

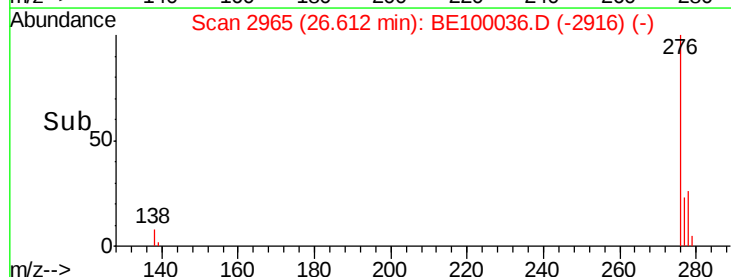
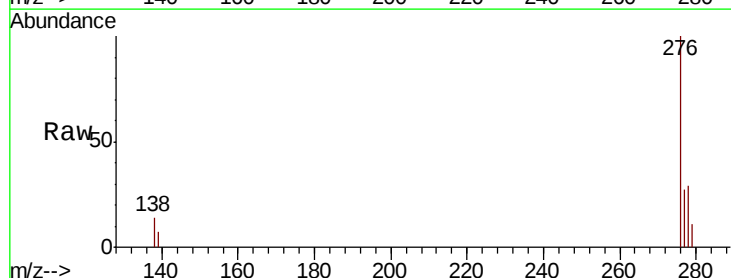
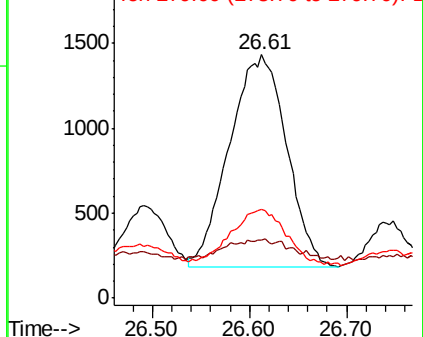
Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	7.8	11.8
279	36.5	20.0	30.0

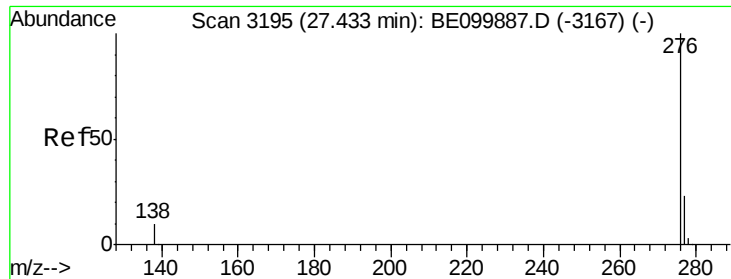
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.828 ng

RT: 27.42 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BE100036.D

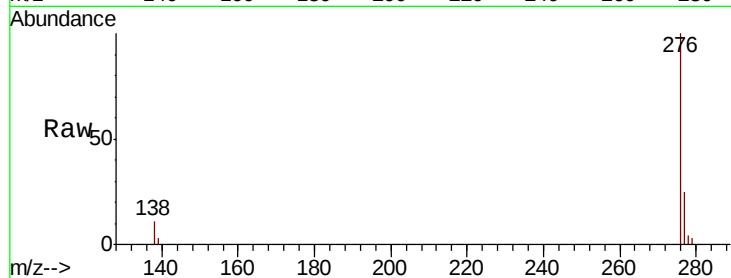
Acq: 14 Jun 2019 22:58

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4003-20190610



Tot Ion:	276	Resp:	28444
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.5	29.3
138	11.4	9.5	14.3

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