

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061419\
 Data File : BE100037.D
 Acq On : 14 Jun 2019 23:34
 Operator : JU/SJ
 Sample : K3284-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190610

Manual Integrations
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 6/17/2019 4:51:49 PM

Quant Time: Jun 17 07:16:08 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	1007	0.40	ng	-0.01
7) Naphthalene-d8	10.59	136	3735	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	2961	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	8160	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	10328	0.40	ng	-0.01
34) Perylene-d12	23.92	264	11951	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.36	112	495	0.18	ng	0.00
5) Phenol-d6	6.95	99	370	0.11	ng	-0.01
8) Nitrobenzene-d5	8.95	82	1648	0.47	ng	-0.01
11) 2-Methylnaphthalene-d10	12.19	152	2241	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	860	0.39	ng	-0.03
15) 2-Fluorobiphenyl	13.07	172	4460	0.40	ng	-0.03
25) Fluoranthene-d10	19.24	212	37902	0.32	ng	-0.01
29) Terphenyl-d14	19.84	244	10474	0.56	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	83	0.056	ng	# 1
9) Naphthalene	10.64	128	1656	0.041	ng	# 87
22) Pentachlorophenol	16.88	266	254	0.411	ng	# 50
23) Phenanthrene	17.24	178	8483	0.428	ng	99
26) Fluoranthene	19.27	202	36506	1.085	ng	98
28) Pyrene	19.63	202	25602	0.944	ng	# 96
30) Benzo(a)anthracene	21.38	228	7046m	0.228	ng	
31) Chrysene	21.43	228	27730m	0.869	ng	
32) Bis(2-ethylhexyl)phthalate	21.29	149	44470	1.004	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	14650	0.387	ng	98
35) Benzo(b)fluoranthene	23.14	252	33102	0.988	ng	# 92
36) Benzo(k)fluoranthene	23.19	252	9978m	0.285	ng	
37) Benzo(a)pyrene	23.80	252	10782	0.327	ng	# 81
38) Dibenzo(a,h)anthracene	26.61	278	2736	0.082	ng	# 47
39) Benzo(a,h,i)perylene	27.42	276	15356	0.447	ng	96

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

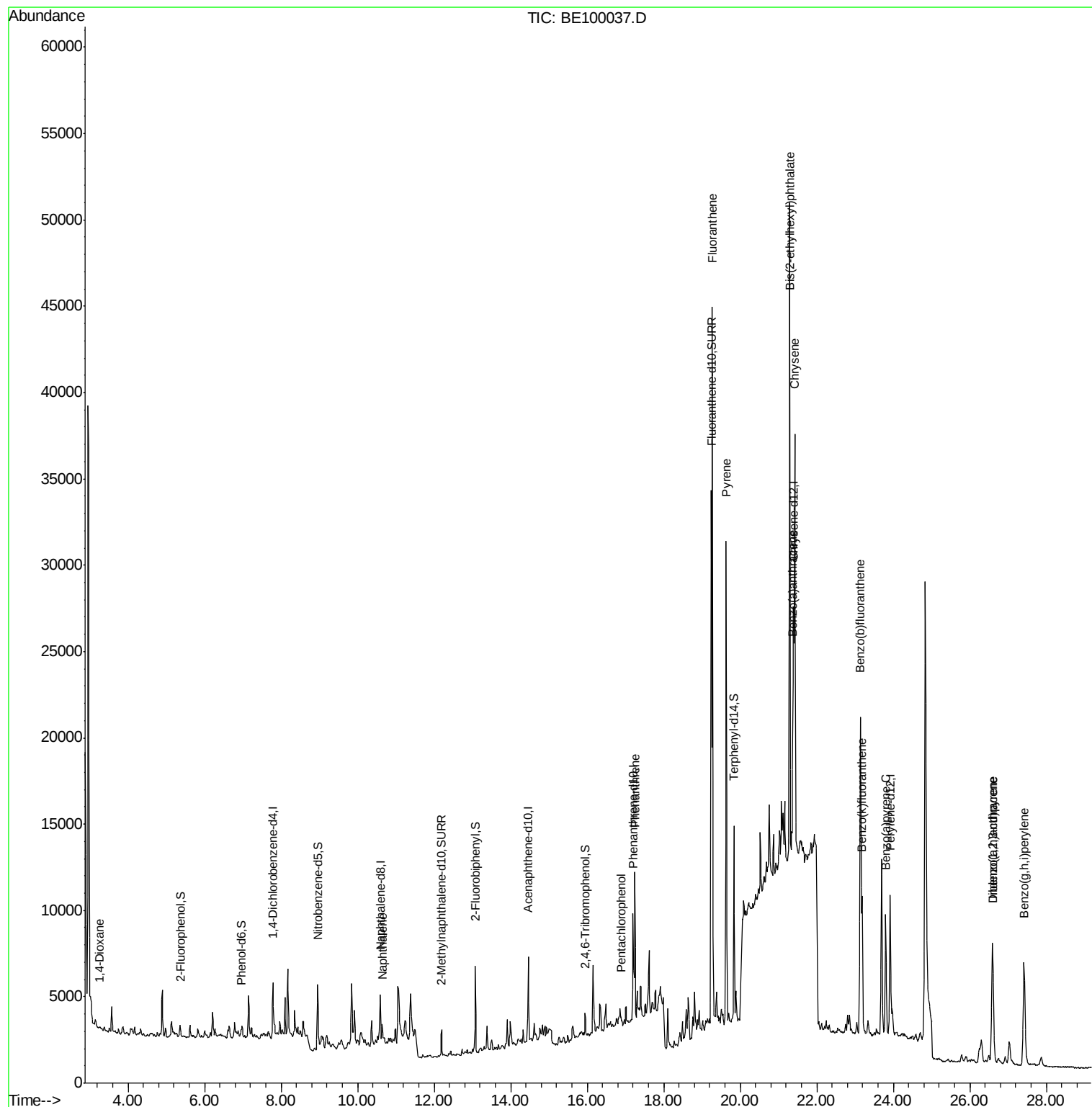
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061419\
Data File : BE100037.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

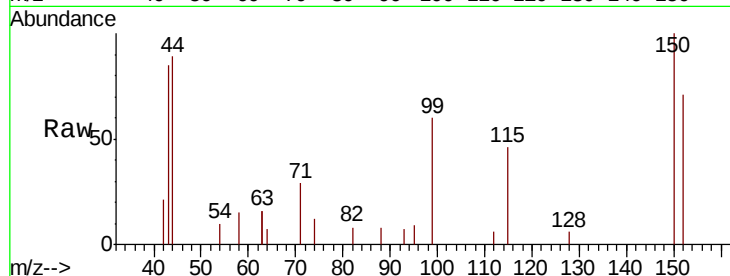
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.1	111.0	166.6
115	64.6	50.7	76.1

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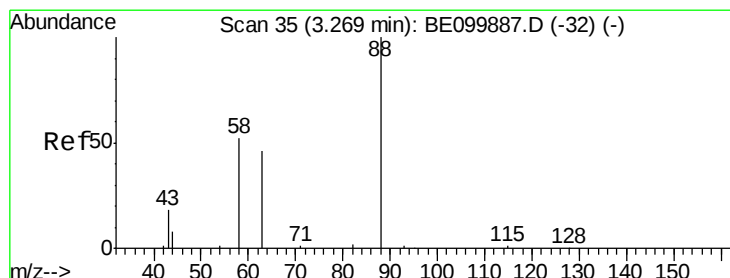
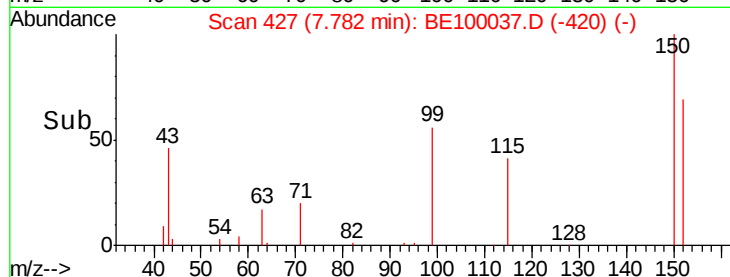
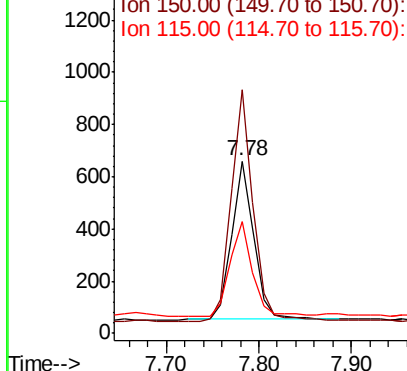


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

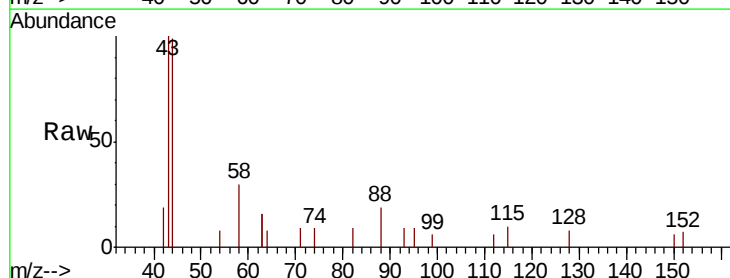
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.056 ng
RT: 3.26 min Scan# 34
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.9	48.8	73.2
43	312.0	19.0	28.6#

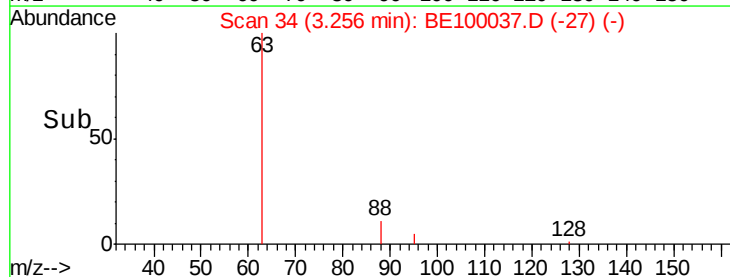
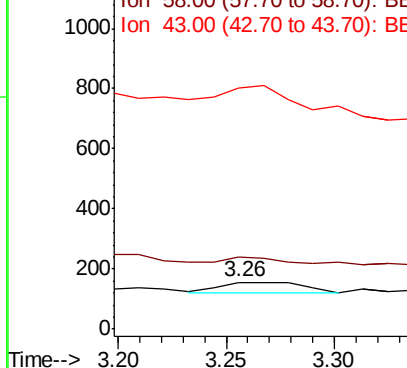


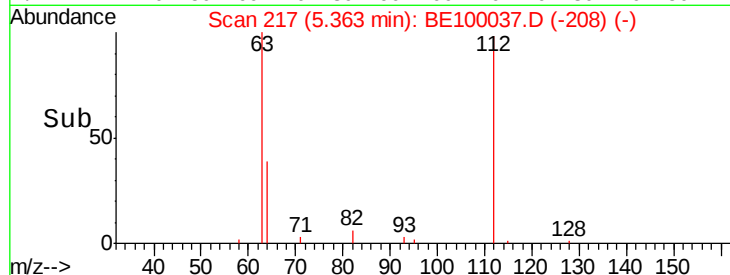
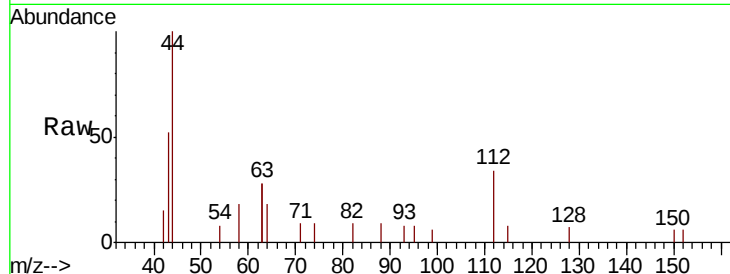
Abundance

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





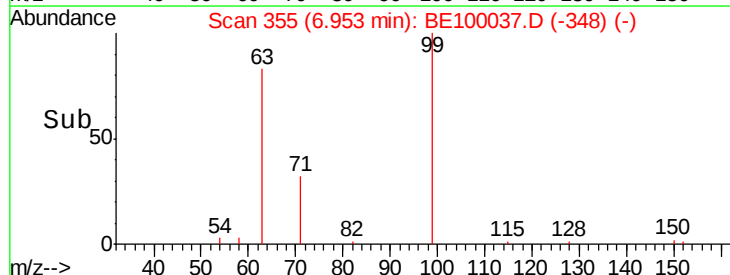
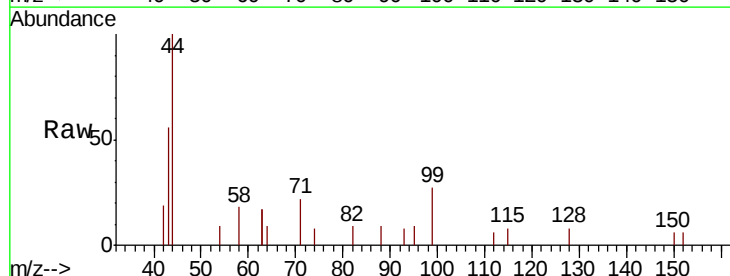
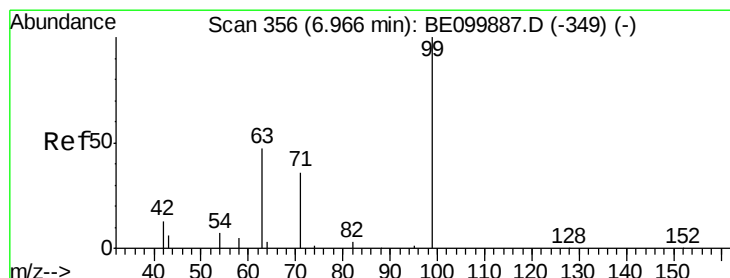
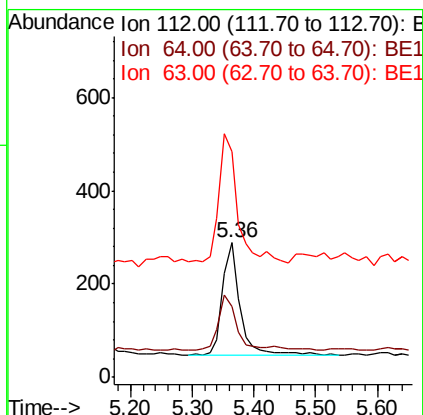
#4
2-Fluorophenol
Concen: 0.182 ng
RT: 5.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tot Ion	Ratio	Lower	Upper
112	100		
64	45.3	44.1	66.1
63	118.2	87.8	131.6

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

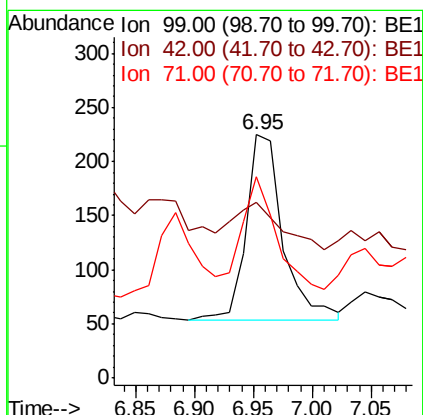
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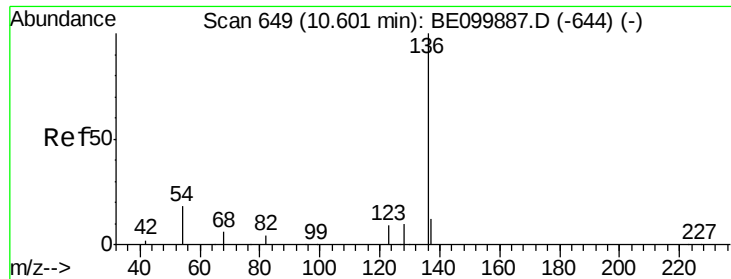
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#5
Phenol-d6
Concen: 0.106 ng
RT: 6.95 min Scan# 355
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
99	100		
42	31.9	15.9	23.9#
71	55.9	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: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

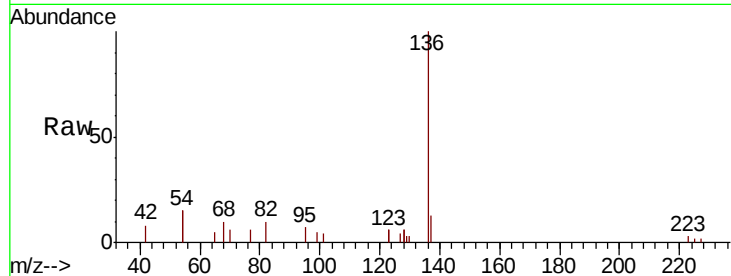
ClientSampleId :

BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.2	12.3	18.5
54	30.7	28.2	42.4
68	9.5	7.8	11.8

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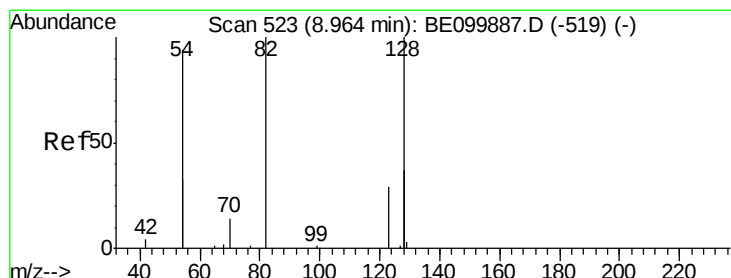
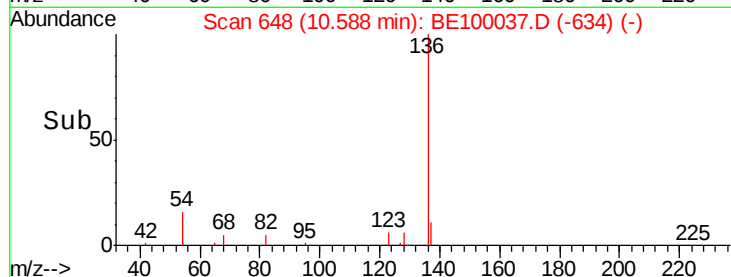
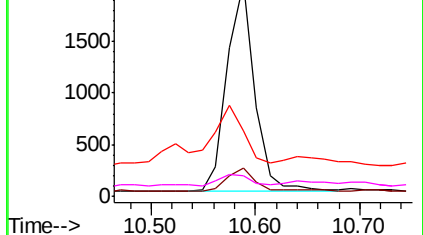


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.466 ng

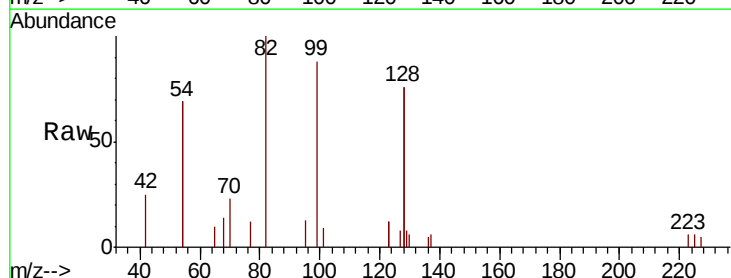
RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

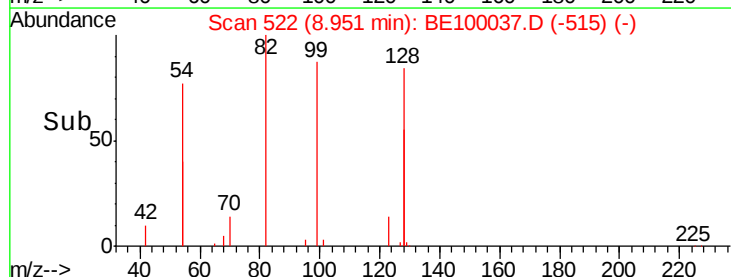
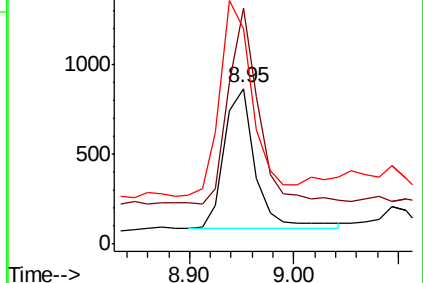
Tgt Ion	Ratio	Lower	Upper
82	100		
128	151.3	137.3	205.9
54	138.3	129.7	194.5

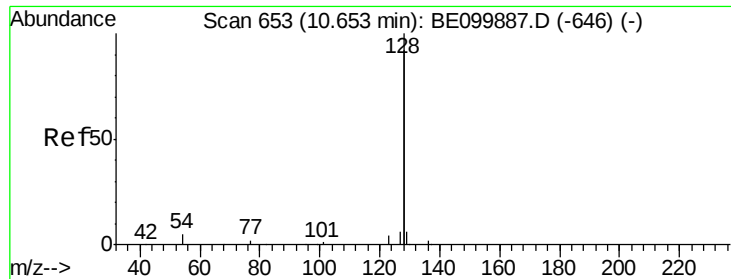


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.041 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

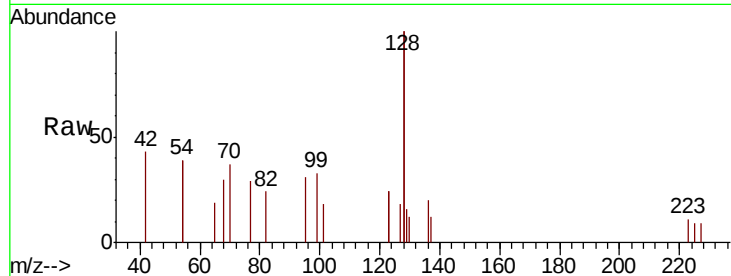
ClientSampleId :

BP-TT-SW4002-20190610

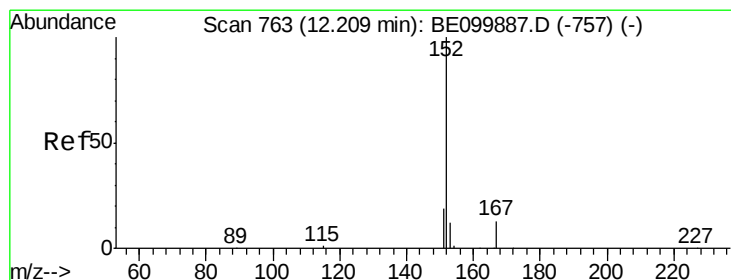
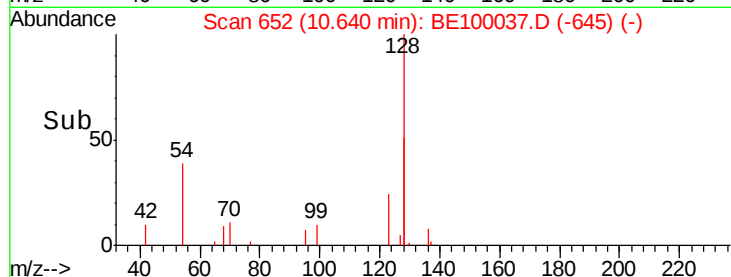
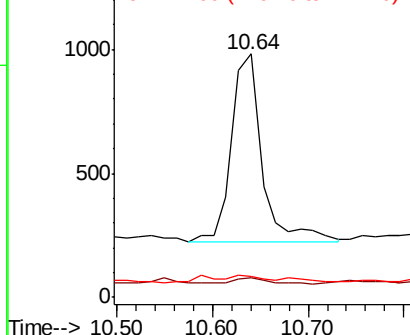
Tot Ion:	128	Resp:	1656
Ion Ratio	Lower	Upper	
128	100		
129	7.8	3.0	4.6#
127	8.9	3.4	5.0#

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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: 0.344 ng

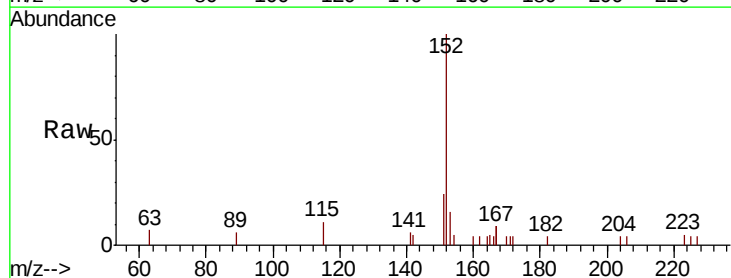
RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

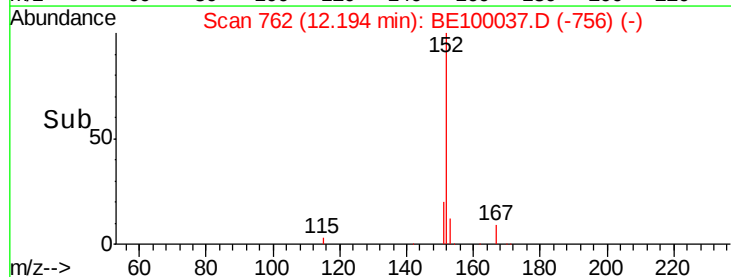
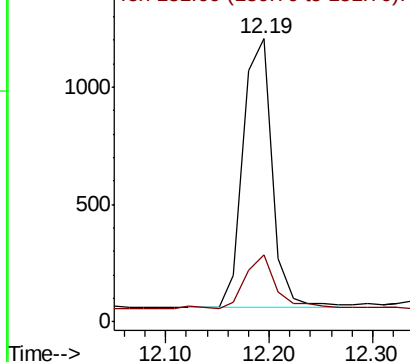
Lab File: BE100037.D

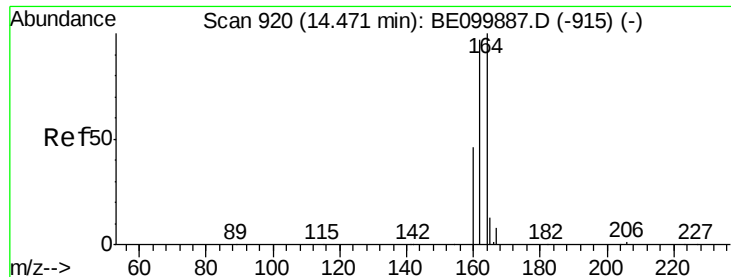
Acq: 14 Jun 2019 23:34

Tgt Ion:	152	Resp:	2241
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.2	22.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





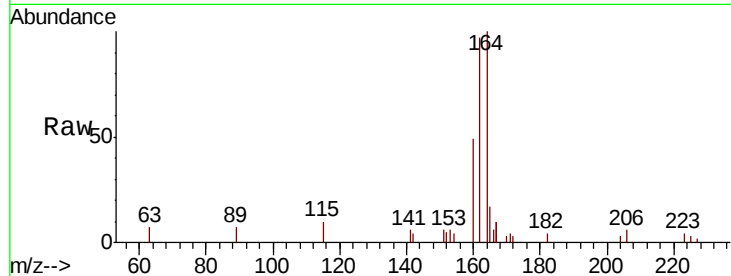
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BE100037.D
 Acq: 14 Jun 2019 23:34

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190610

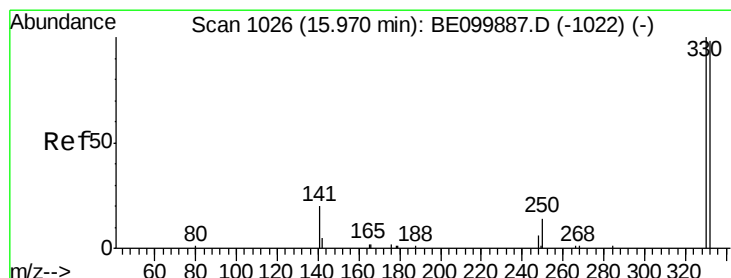
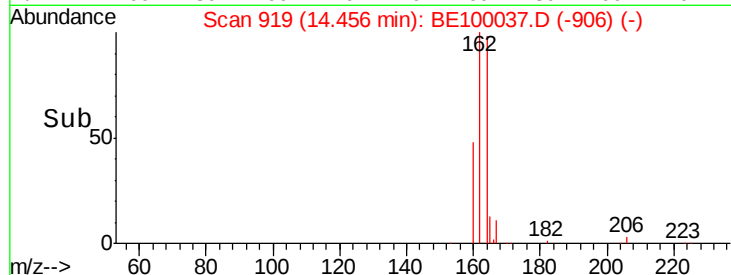
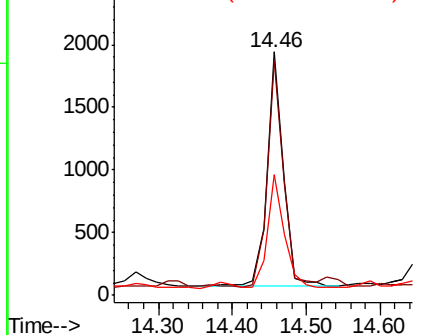
Tot Ion:	164	Resp:	2961
Ion	Ratio	Lower	Upper
164	100		
162	96.5	77.8	116.8
160	49.4	38.2	57.4

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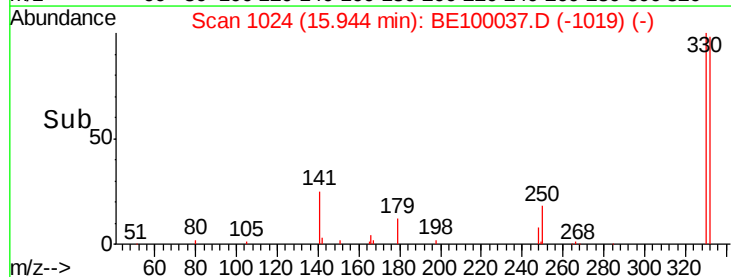
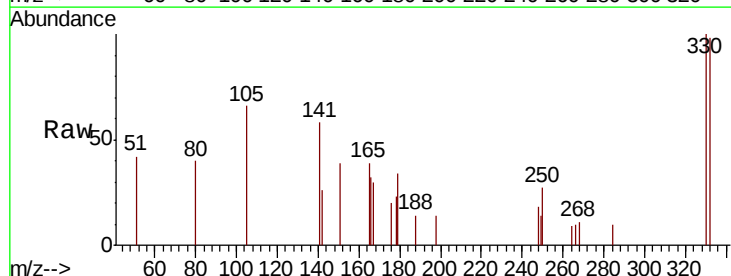
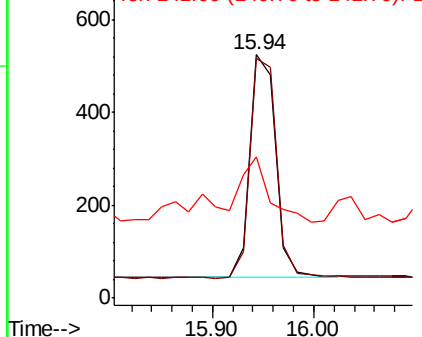
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

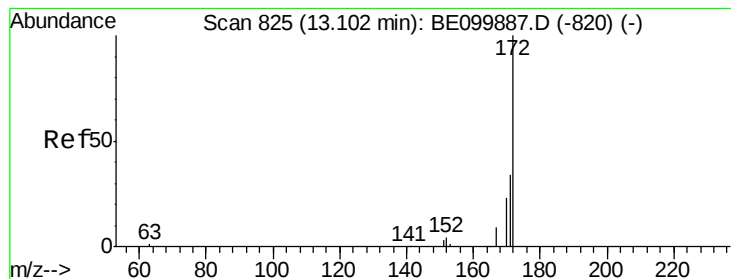


#14
 2,4,6-Tribromophenol
 Concen: 0.393 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BE100037.D
 Acq: 14 Jun 2019 23:34

Tgt Ion:	330	Resp:	860
Ion	Ratio	Lower	Upper
330	100		
332	101.6	76.7	115.1
141	31.0	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





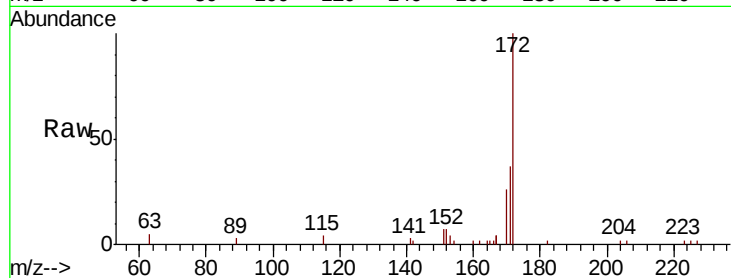
#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.03 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.2	43.8
170	26.1	21.2	31.8

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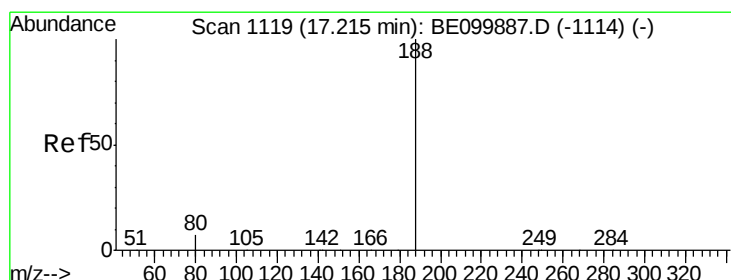
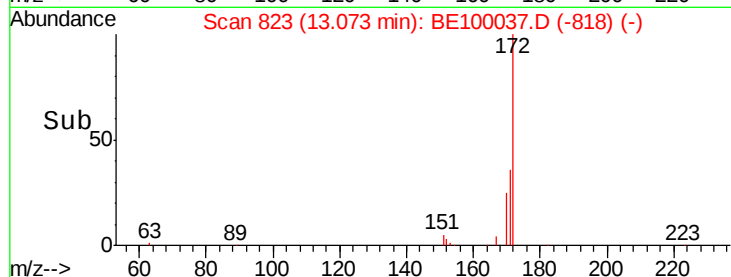
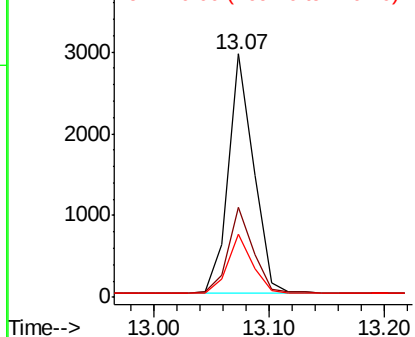


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

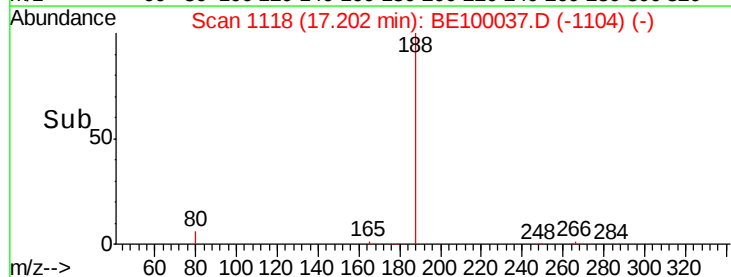
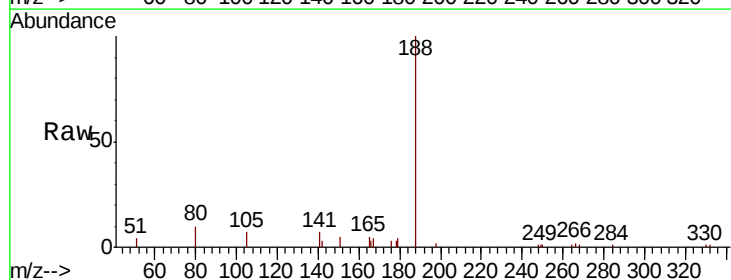
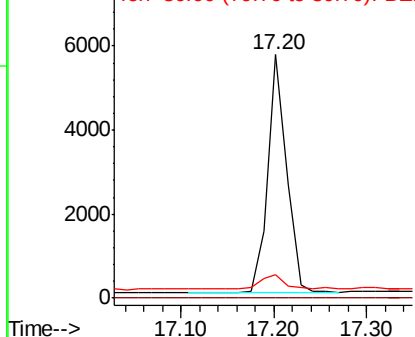
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	6.4	9.6

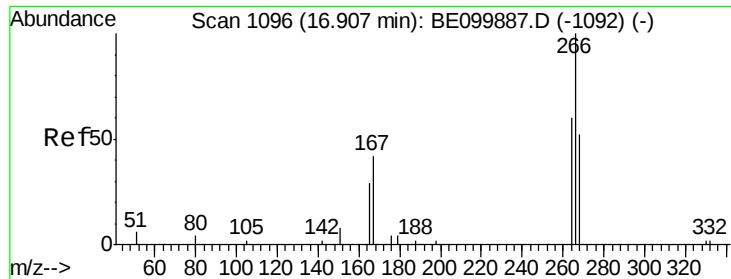
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#22

Pentachlorophenol

Concen: 0.411 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

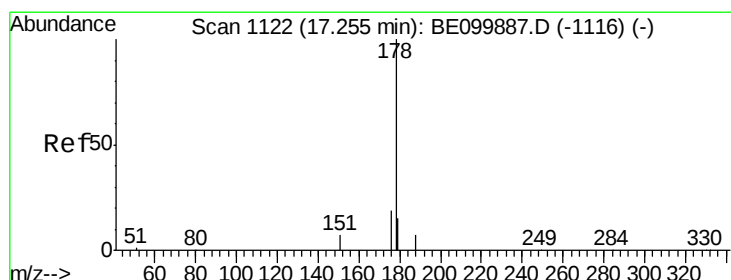
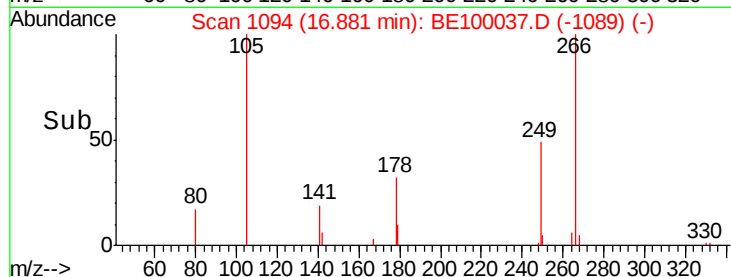
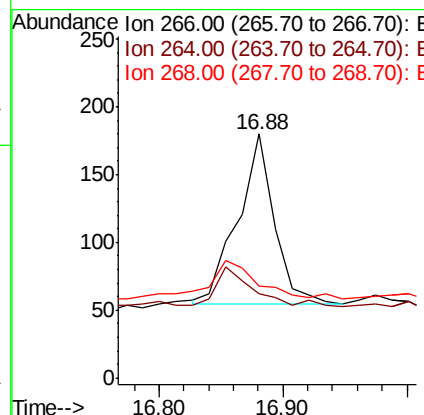
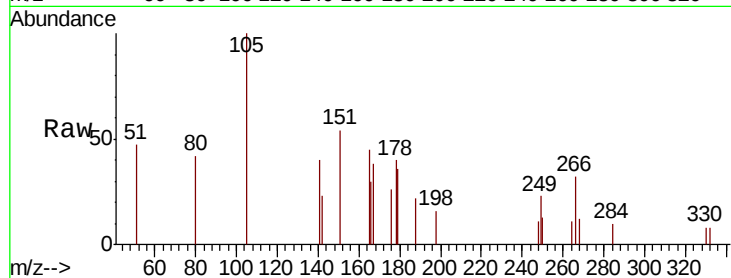
ClientSampleId :

BP-TT-SW4002-20190610

Tot Ion:	266	Resp:	254
Ion Ratio	Lower	Upper	
266	100		
264	34.4	62.2	93.2#
268	37.8	65.5	98.3#

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#23

Phenanthrene

Concen: 0.428 ng

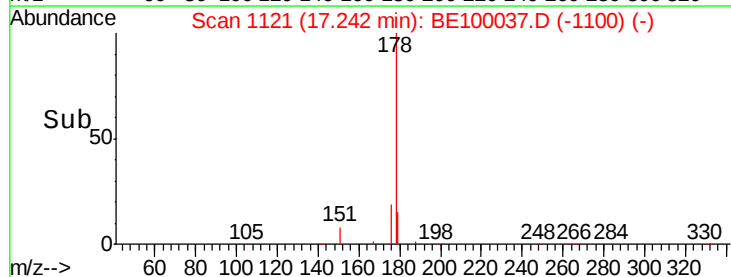
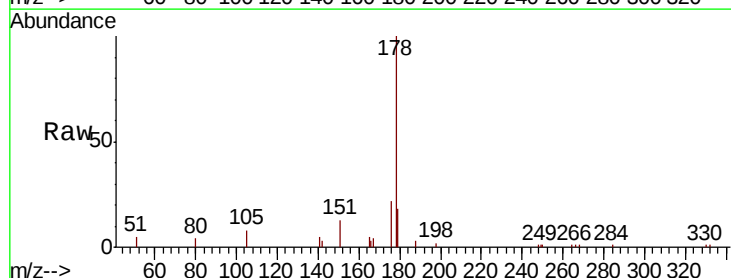
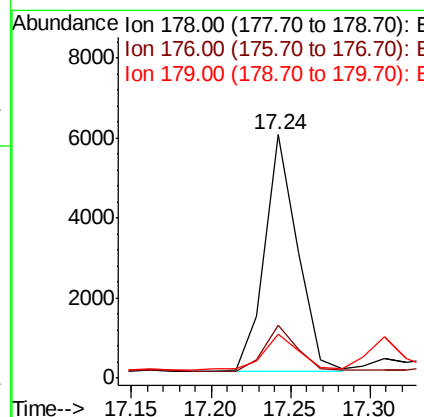
RT: 17.24 min Scan# 1121

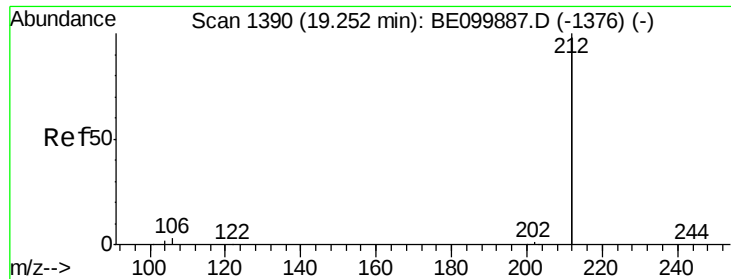
Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Tgt Ion:	178	Resp:	8483
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	16.2	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.319 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

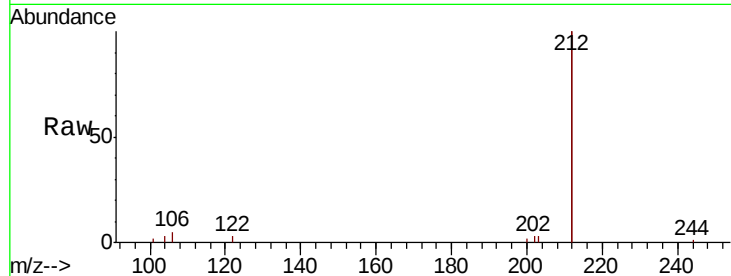
ClientSampleId :

BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.2	0.9	1.3

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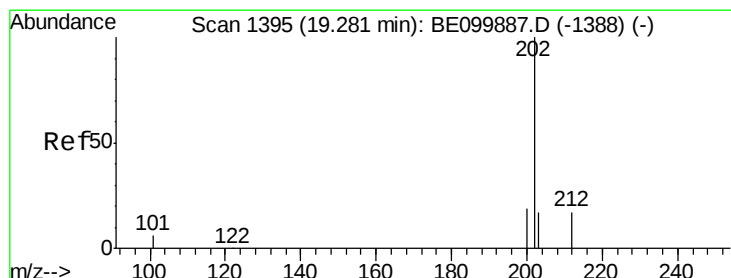
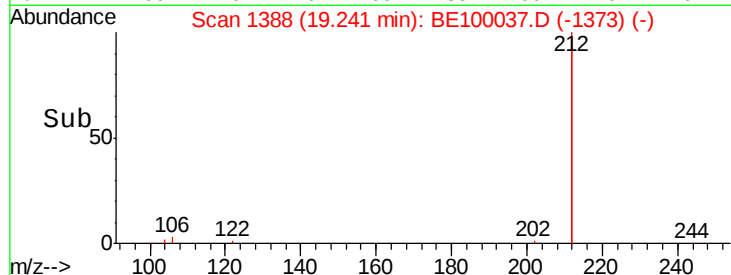
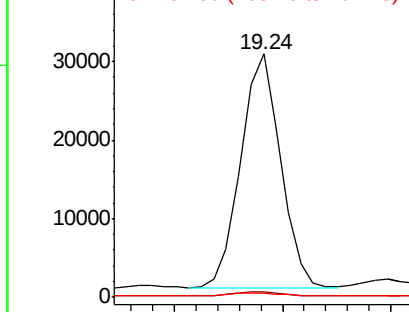


Abundance

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: 1.085 ng

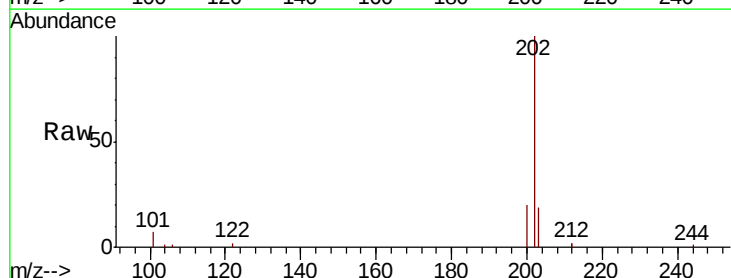
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.4	8.0
203	17.6	13.2	19.8

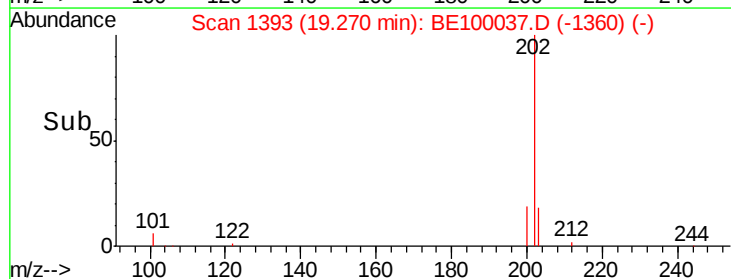
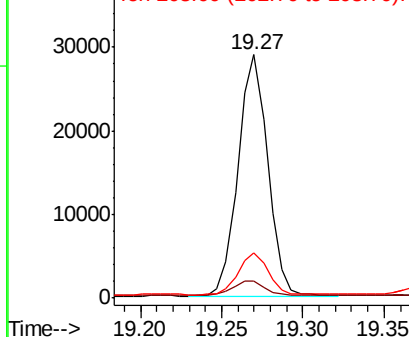


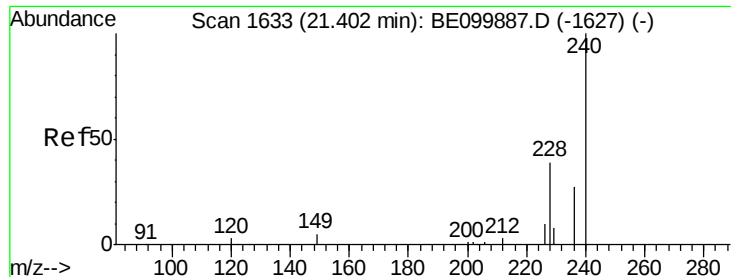
Abundance

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: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

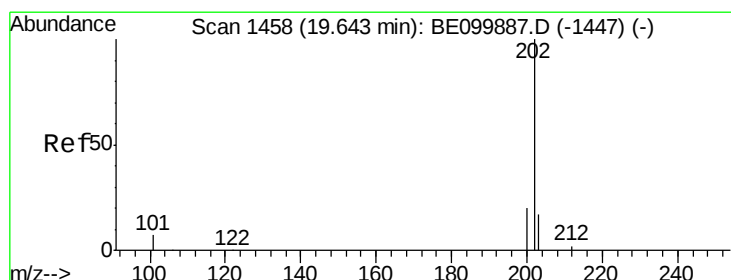
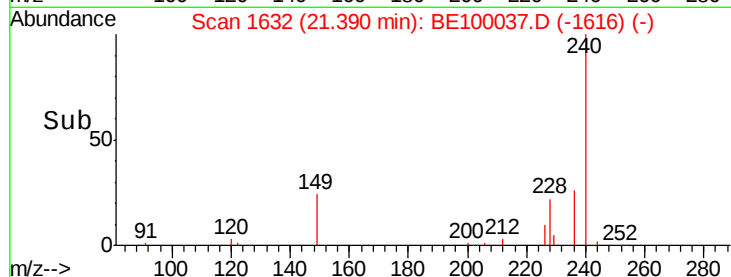
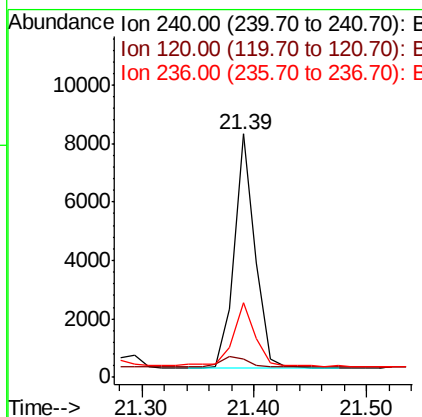
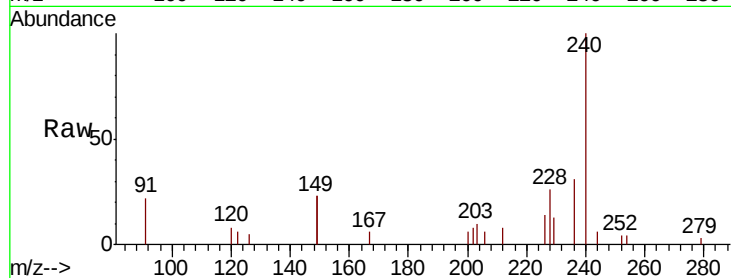
ClientSampleId :

BP-TT-SW4002-20190610

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	7.7	3.8	5.6#	
236	30.6	22.0	33.0	

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#28

Pyrene

Concen: 0.944 ng

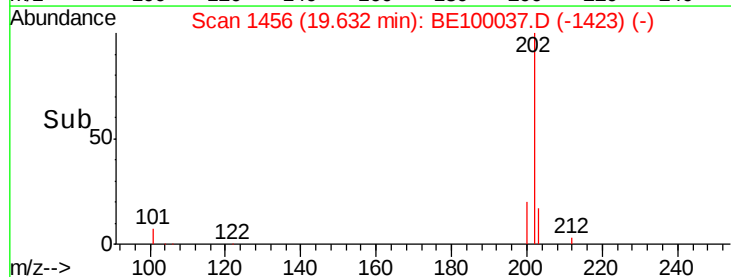
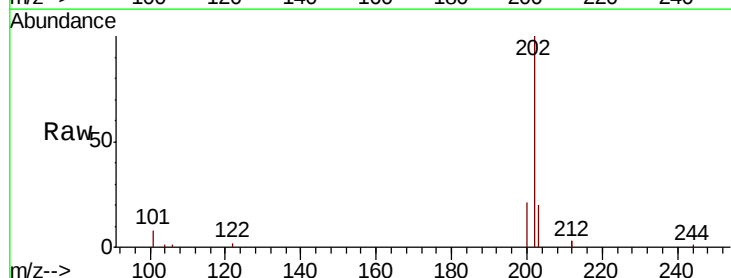
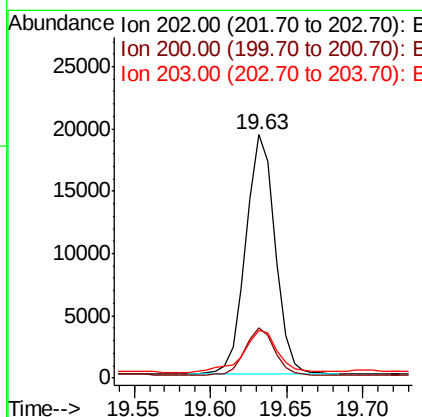
RT: 19.63 min Scan# 1456

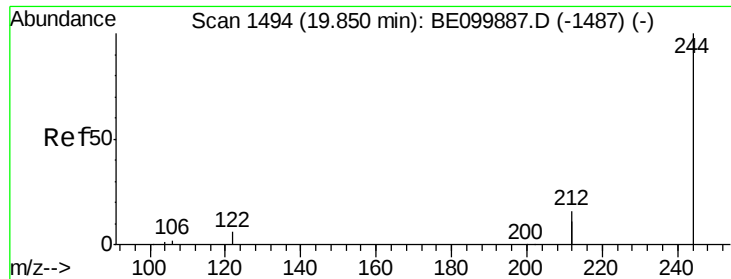
Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

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





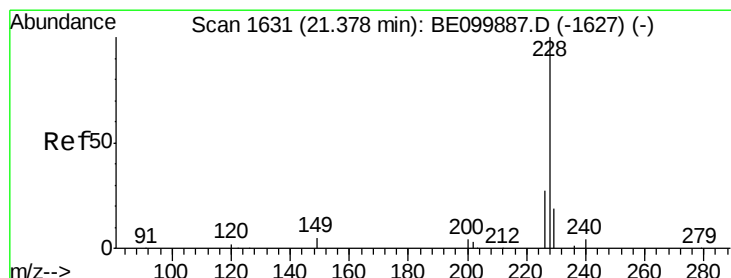
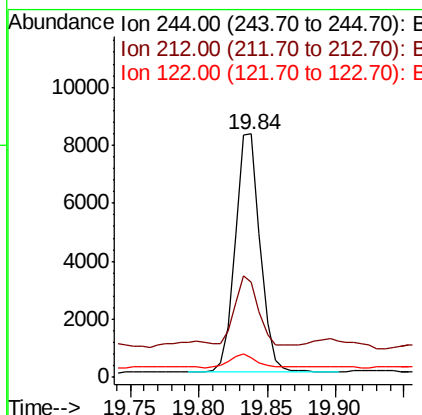
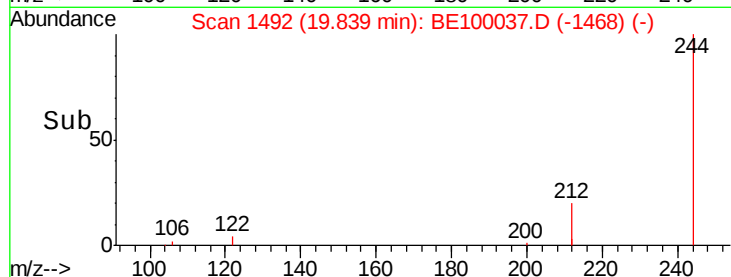
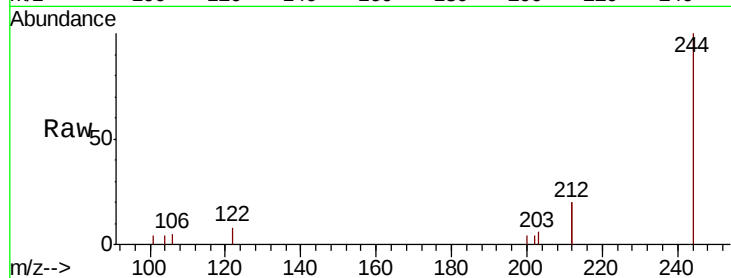
#29
 Terphenyl-d14
 Concen: 0.563 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BE100037.D
 Acq: 14 Jun 2019 23:34

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
244	100		
212	39.3	25.7	38.5#
122	8.3	5.5	8.3

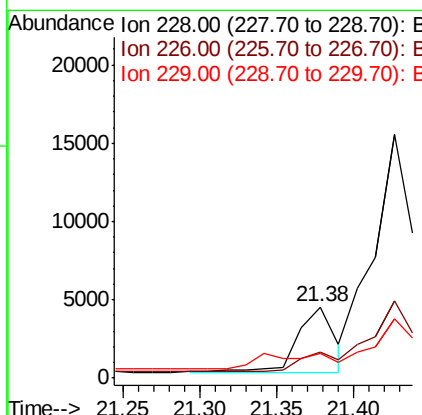
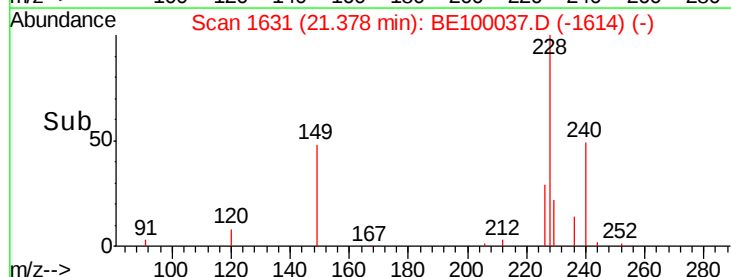
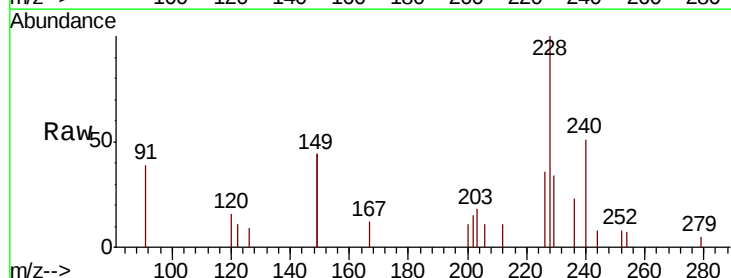
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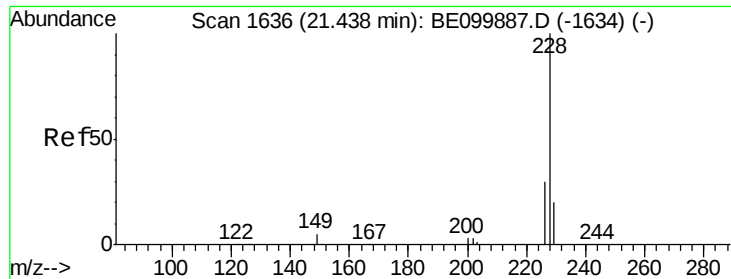
mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.228 ng m
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: BE100037.D
 Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.5	33.7#
229	33.8	15.9	23.9#





#31

Chrysene

Concen: 0.869 ng/mL

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Instrument :

BNA_E

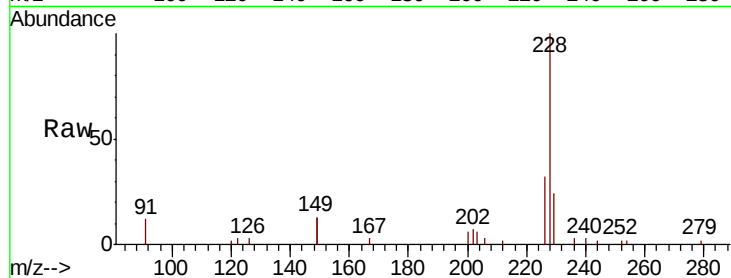
ClientSampleId :

BP-TT-SW4002-20190610

Tot Ion:	228	Resp:	27730
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.1	36.1
229	24.3	16.1	24.1

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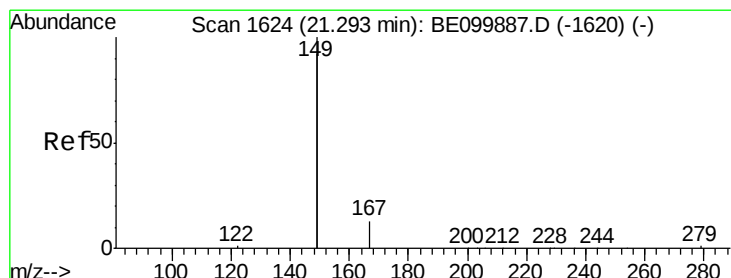
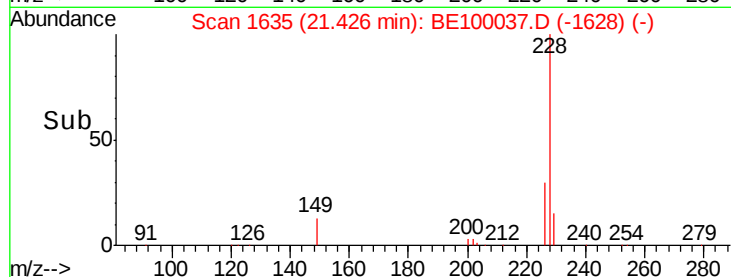
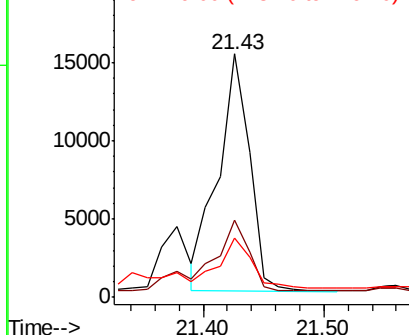


Abundance

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: 1.004 ng/mL

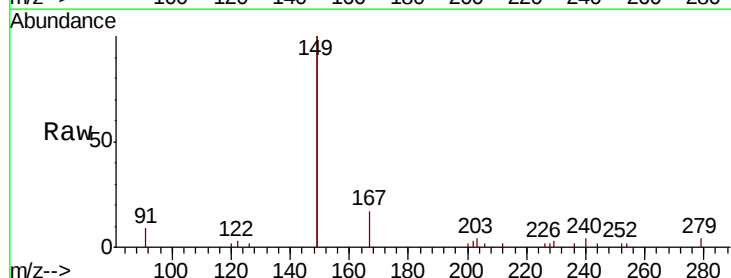
RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100037.D

Acq: 14 Jun 2019 23:34

Tgt Ion:	149	Resp:	44470
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.9	8.9
279	1.4	1.2	1.8

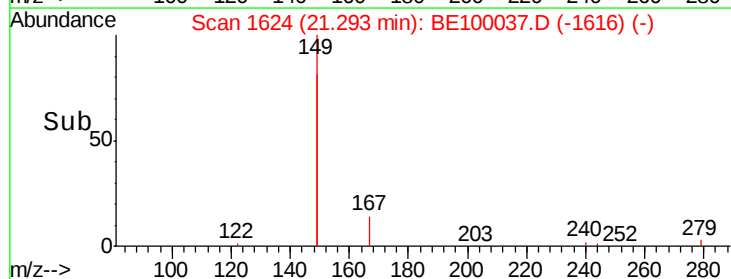
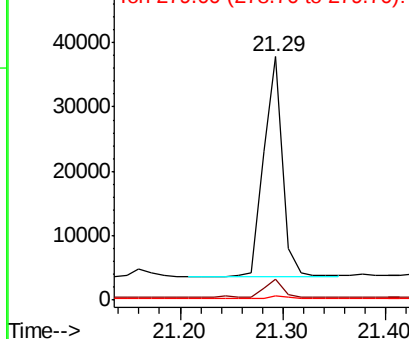


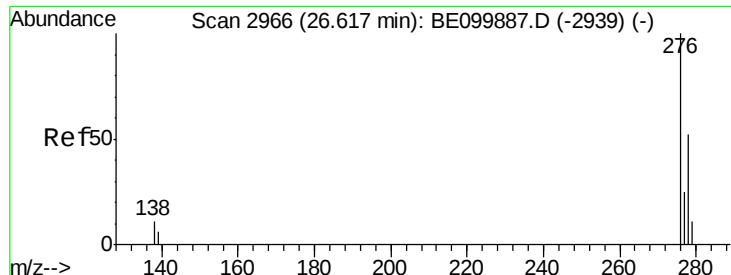
Abundance

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





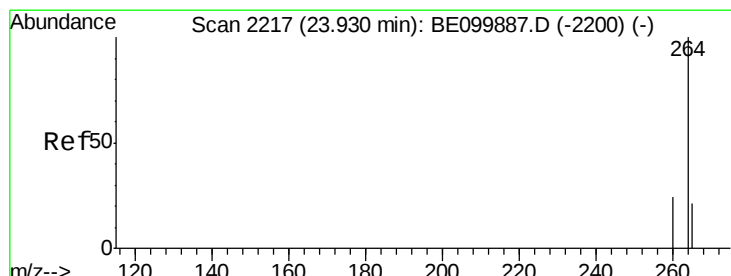
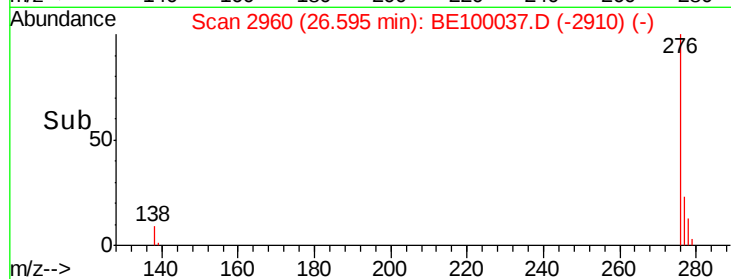
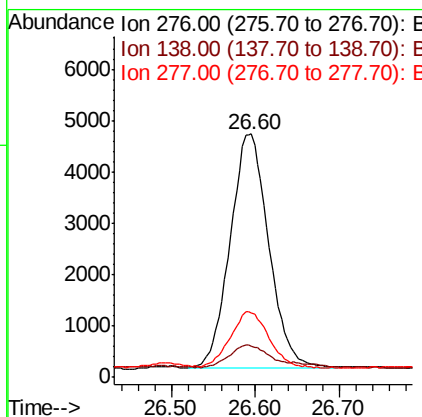
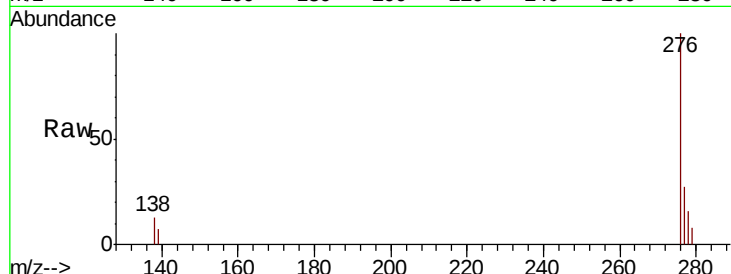
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.60 min Scan# 2960
Delta R.T. -0.02 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.8	10.1	15.1
277	23.7	19.1	28.7

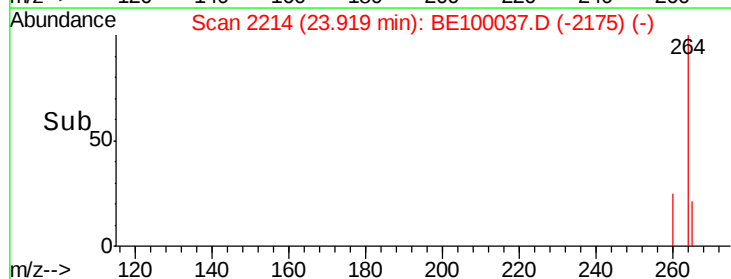
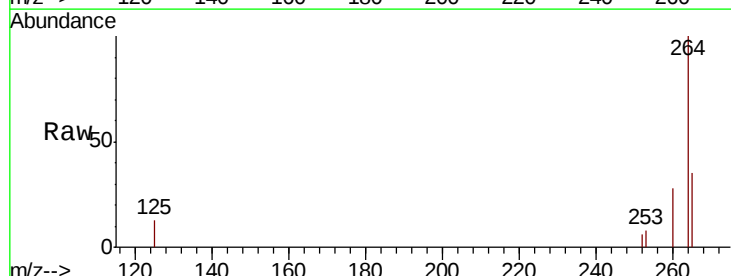
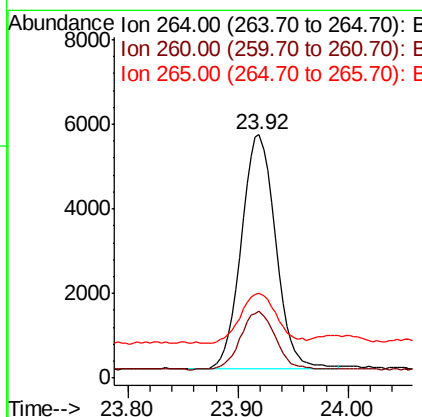
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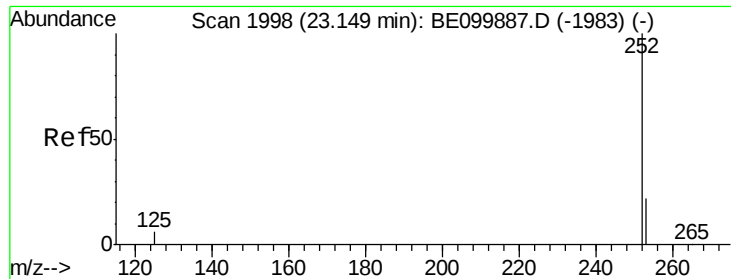
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.2	30.2
265	34.7	22.0	33.0





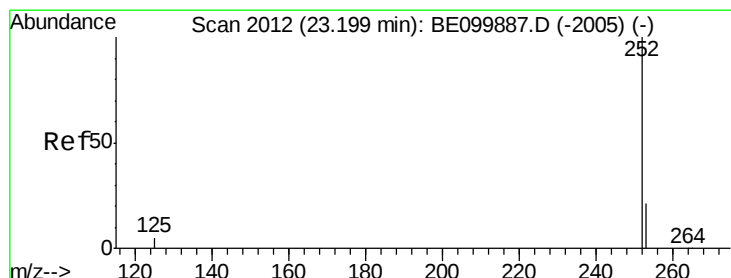
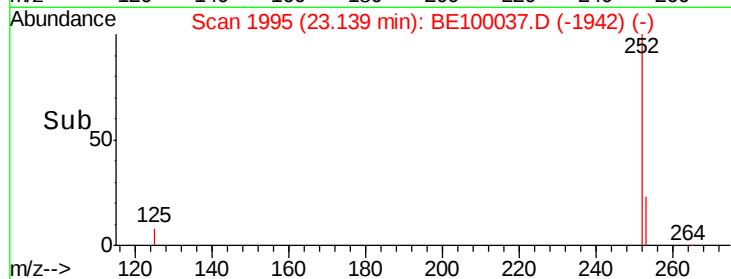
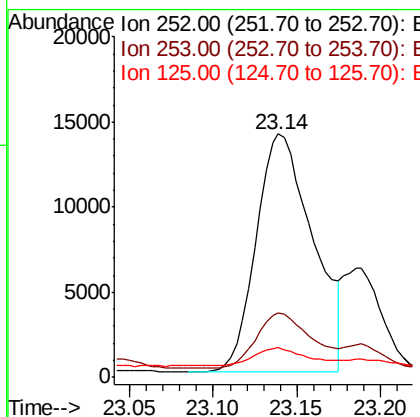
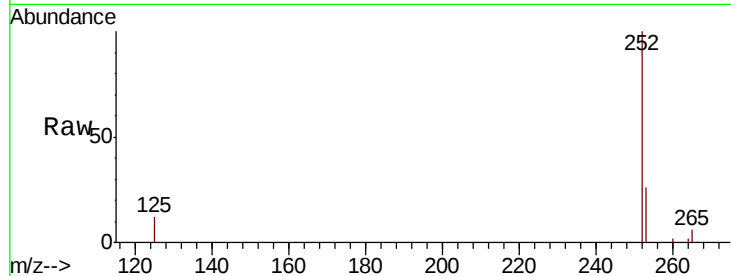
#35
Benzo(b)fluoranthene
Concen: 0.988 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.7	28.1
125	12.2	5.7	8.5

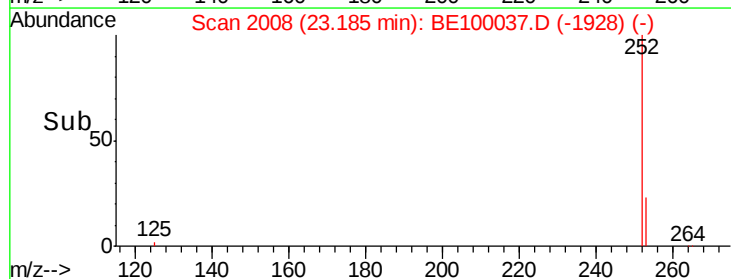
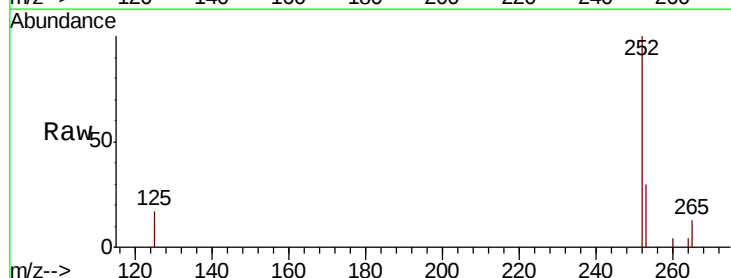
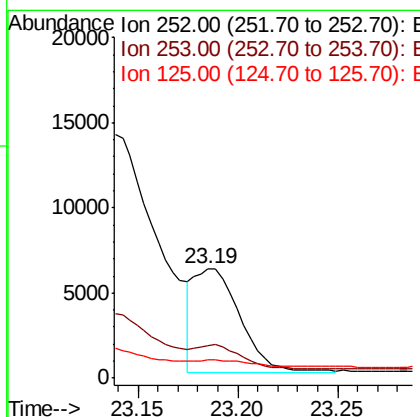
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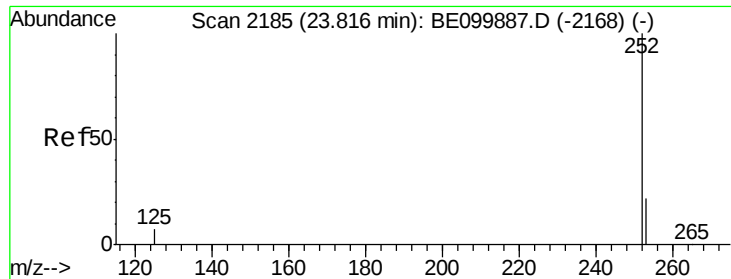
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.285 ng m
RT: 23.19 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.6	28.0
125	16.5	5.4	8.0





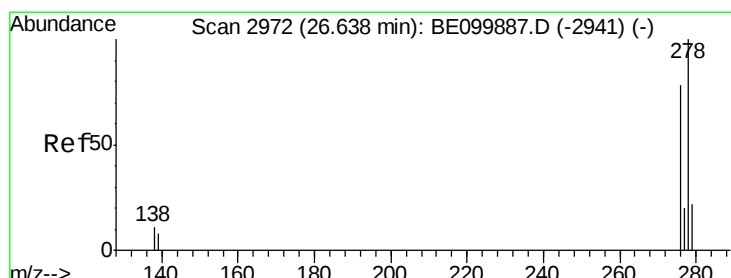
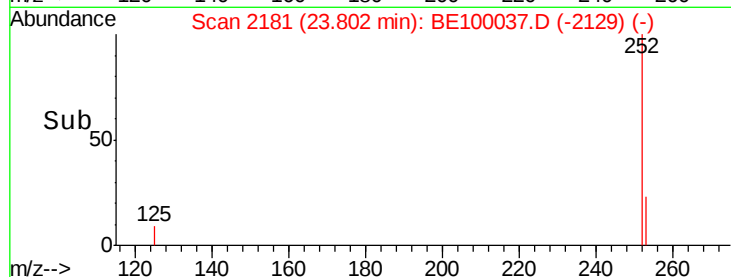
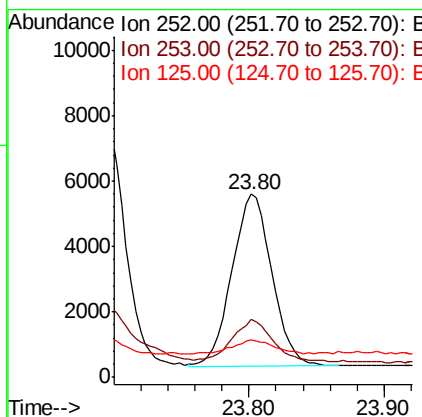
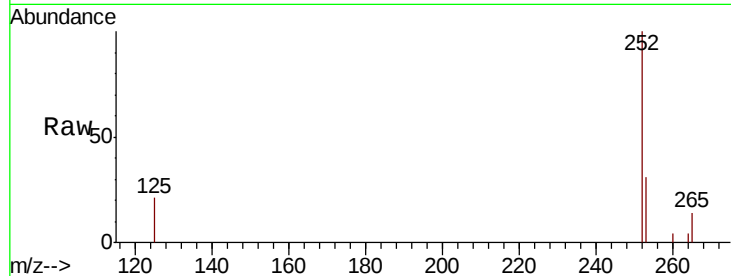
#37
Benzo(a)pyrene
Concen: 0.327 ng
RT: 23.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	19.6	29.4#
125	20.6	6.6	10.0#

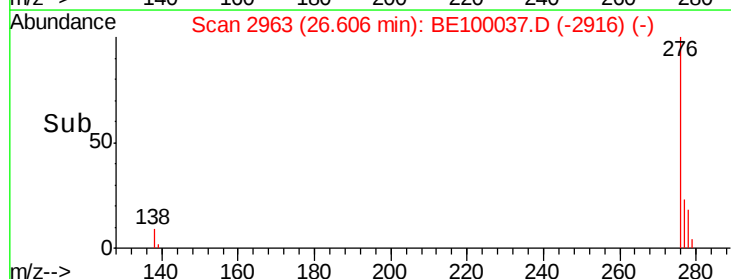
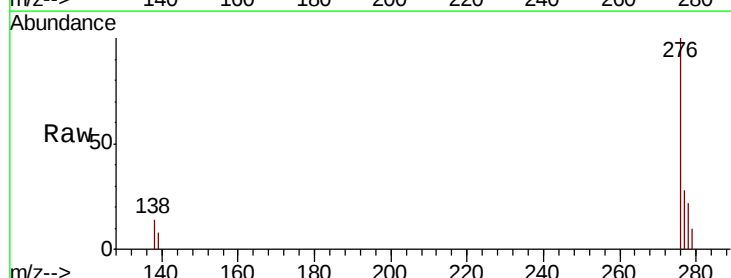
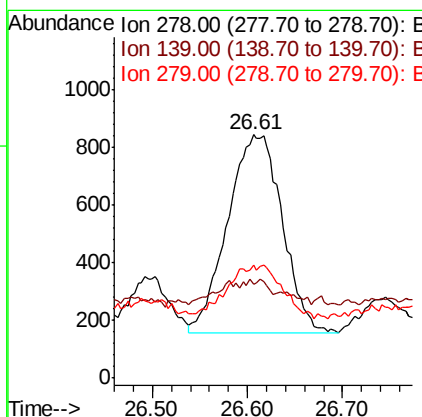
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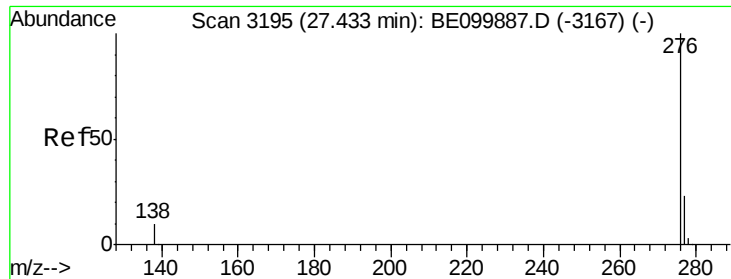
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.082 ng
RT: 26.61 min Scan# 2963
Delta R.T. -0.03 min
Lab File: BE100037.D
Acq: 14 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.8	7.8	11.8#
279	46.6	20.0	30.0#





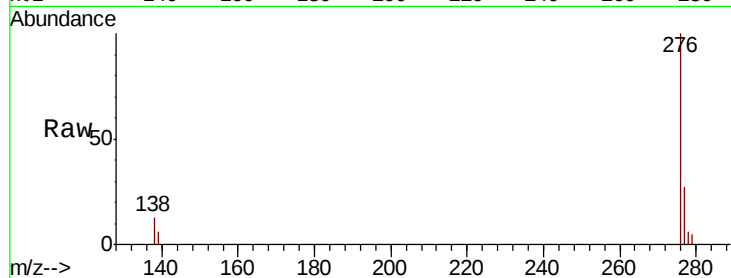
#39
 Benzo(a,h,i)perylene
 Concen: 0.447 ng
 RT: 27.42 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BE100037.D
 Acq: 14 Jun 2019 23:34

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190610

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.5	29.3
138	13.2	9.5	14.3

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

