

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
 Data File : BE101121.D
 Acq On : 22 Jan 2020 19:10
 Operator : CG/JU
 Sample : L1179-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-20200116

Manual Integrations
 APPROVED

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 1/23/2020 1:53:51 PM

Quant Time: Jan 23 10:14:01 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 08 18:36:25 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3426	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	15137	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	22263	0.40	ng	0.00
19) Phenanthrene-d10	17.10	188	21197	0.40	ng	0.00
27) Chrysene-d12	21.28	240	19274	0.40	ng	0.00
34) Perylene-d12	23.70	264	21535	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.32	112	21695	2.81	ng	-0.02
5) Phenol-d6	6.92	99	3262	0.33	ng	0.00
8) Nitrobenzene-d5	8.86	82	6356m	0.59	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	9176	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	1748	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	12437	0.15	ng	-0.01
25) Fluoranthene-d10	19.14	212	87780	0.30	ng	0.01
29) Terphenyl-d14	19.73	244	16366	0.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	1497	0.083	ng	# 1
9) Naphthalene	10.55	128	62733142	373.243	ng	# 97
12) 2-Methylnaphthalene	12.17	142	792134	31.157	ng	100
16) Acenaphthylene	14.08	152	39698	0.438	ng	# 91
17) Acenaphthene	14.41	154	80082	1.234	ng	94
18) Fluorene	15.39	166	486676	5.932	ng	98
23) Phenanthrene	17.14	178	454123	7.846	ng	99
24) Anthracene	17.23	178	65224m	1.194	ng	
26) Fluoranthene	19.18	202	67080	0.925	ng	100
28) Pvrene	19.52	202	39231	0.547	ng	97
30) Benzo(a)anthracene	21.26	228	3405	0.062	ng	# 50
31) Chrysene	21.31	228	2734	0.033	ng	# 31
32) Bis(2-ethylhexyl)phthalate	21.20	149	38549	0.421	ng	100
35) Benzo(b)fluoranthene	22.96	252	1598	0.026	ng	# 1

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

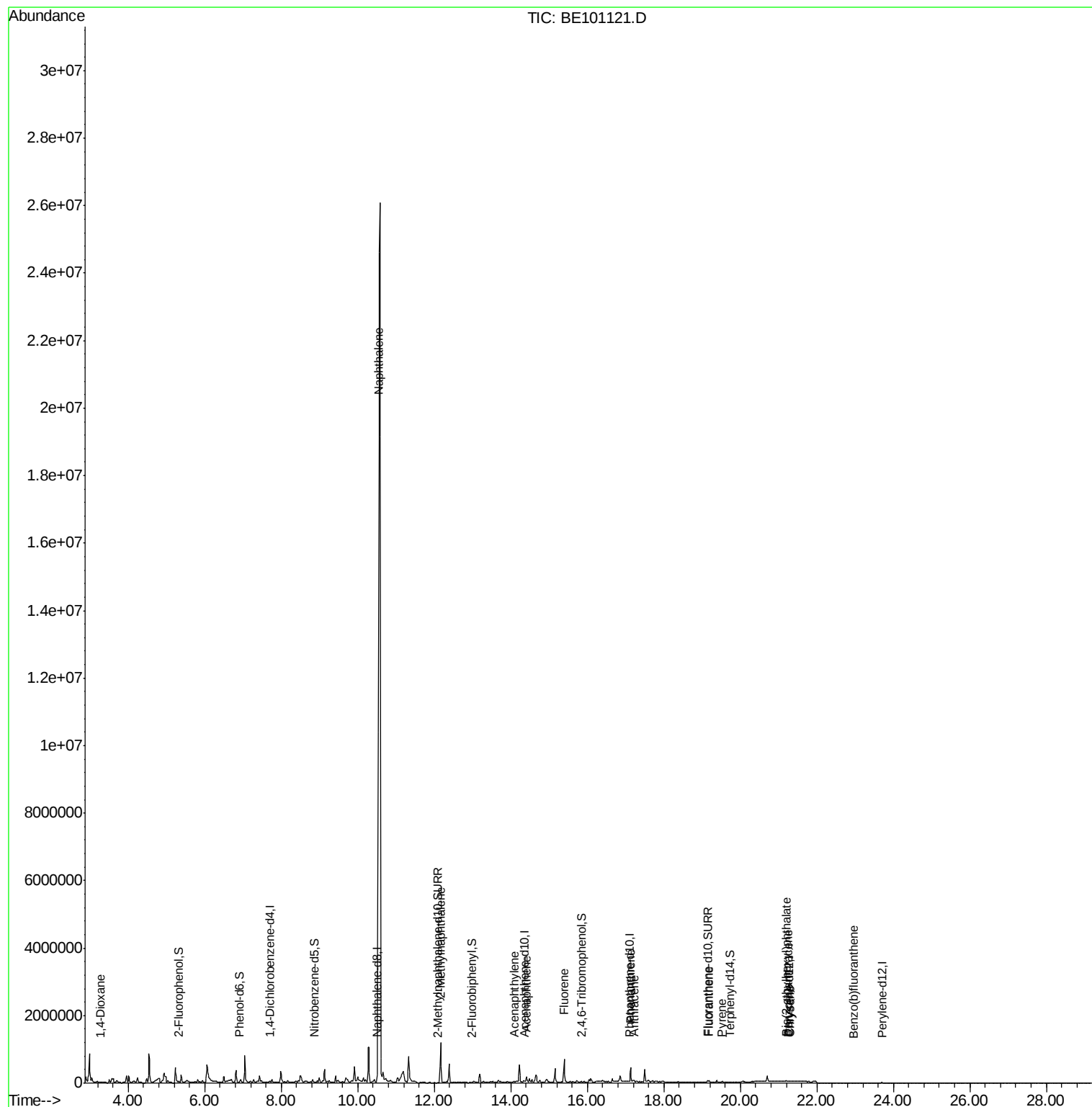
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
Data File : BE101121.D
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ALS Vial : 9 Sample Multiplier: 1

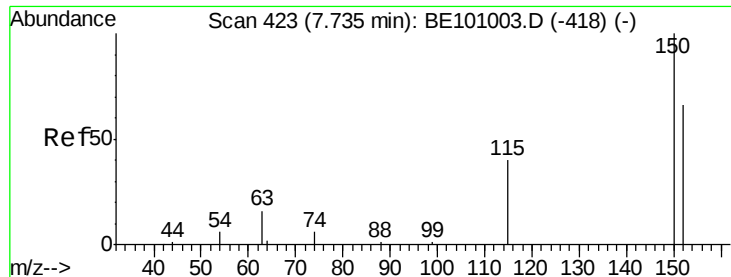
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Quant Time: Jan 23 10:14:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

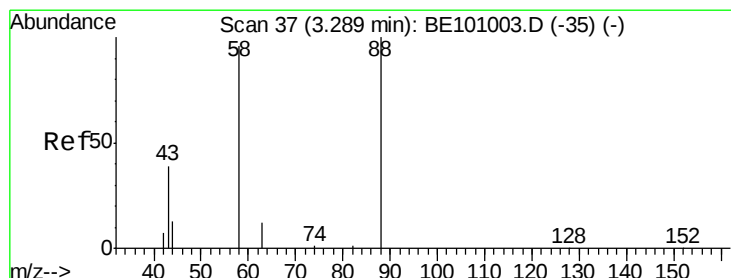
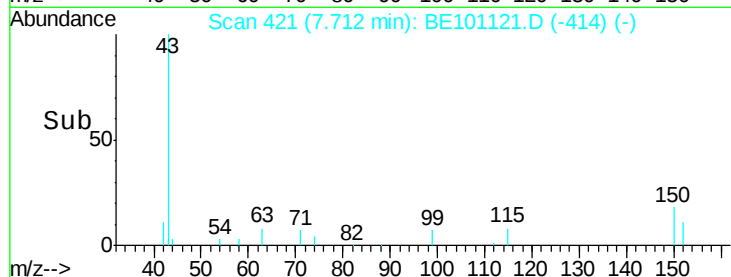
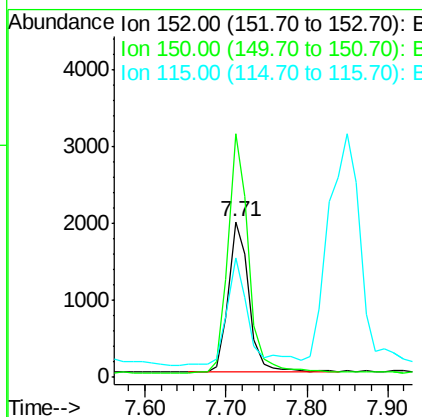
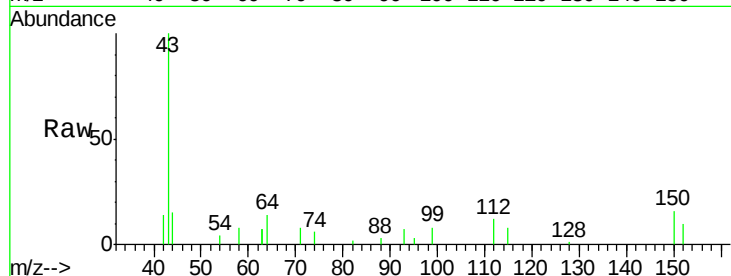
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.71 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	120.3	180.5
115	77.3	51.7	77.5

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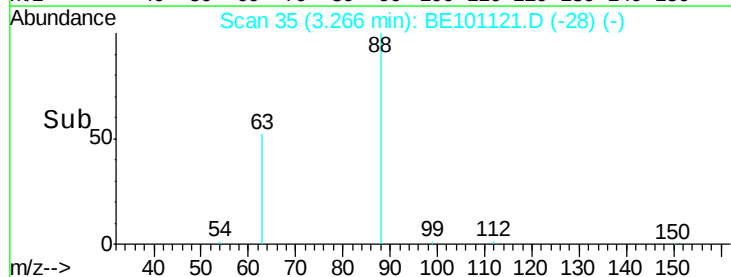
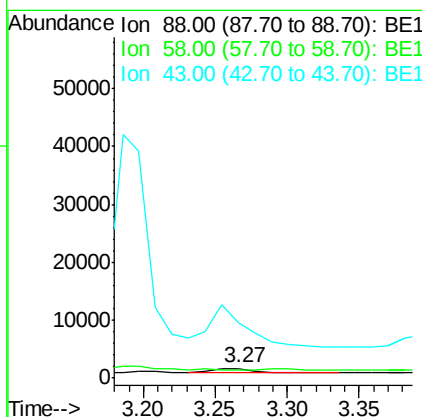
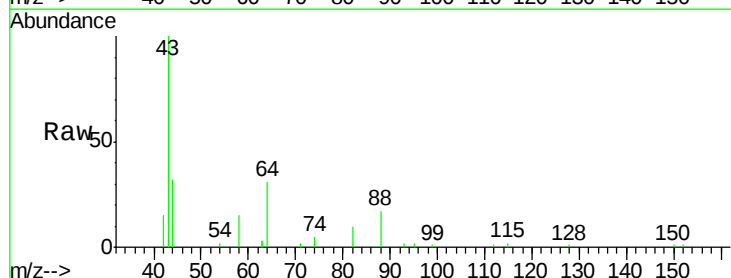
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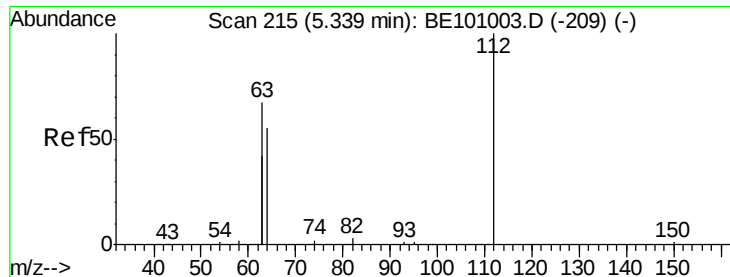


#2

1,4-Dioxane
Concen: 0.083 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.02 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.0	79.4#
43	824.0	23.4	35.2#





#4

2-Fluorophenol

Concen: 2.813 ng

RT: 5.32 min Scan# 213

Delta R.T. -0.02 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

Tot Ion: 112 Resp: 21695

Ion Ratio Lower Upper

112 100

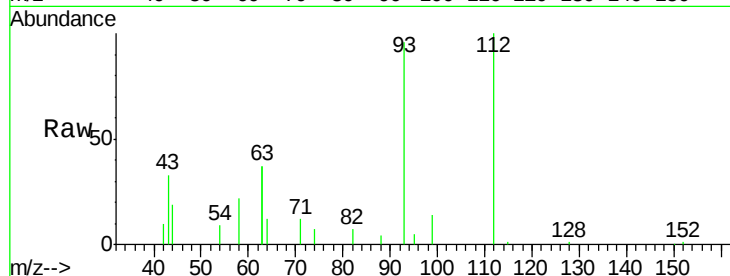
64 0.0 53.6 80.4#

63 0.0 114.6 172.0#

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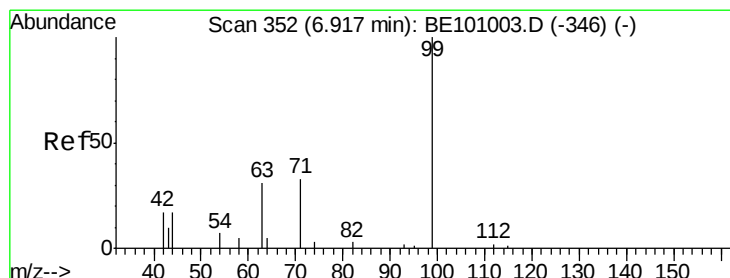
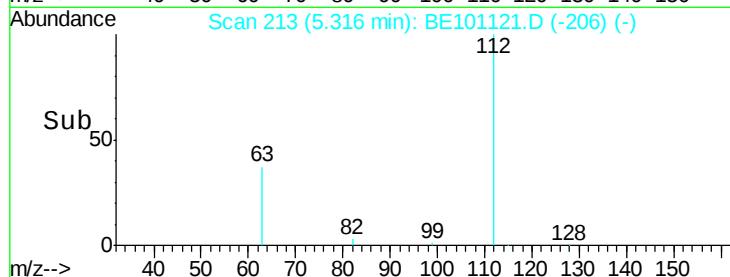
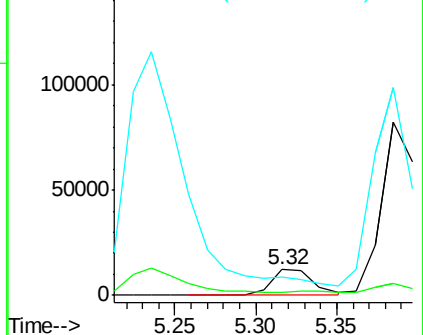
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Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.334 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

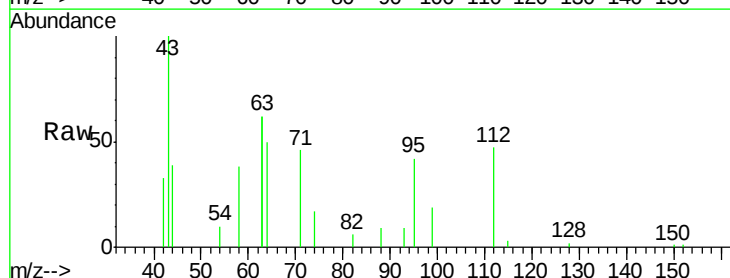
Tgt Ion: 99 Resp: 3262

Ion Ratio Lower Upper

99 100

42 149.4 18.3 27.5#

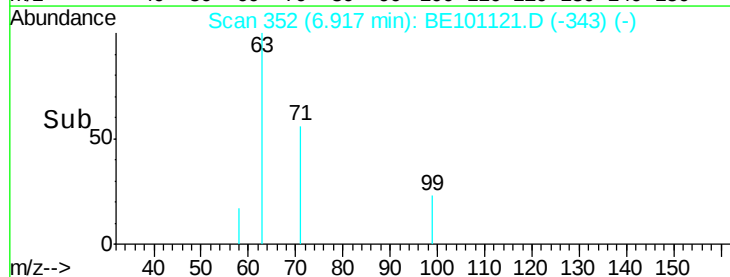
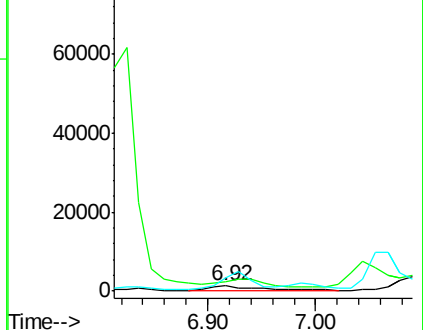
71 256.7 28.0 42.0#

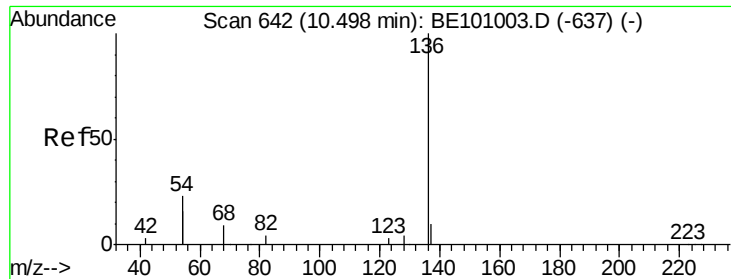


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Instrument :

BNA_E

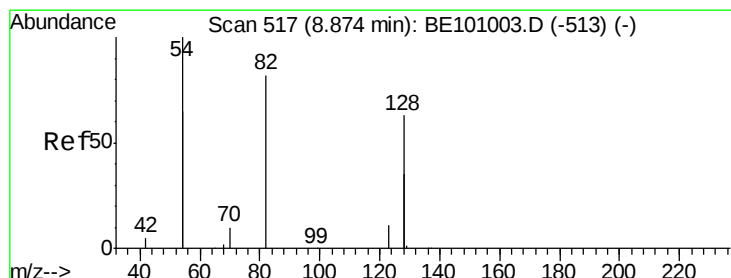
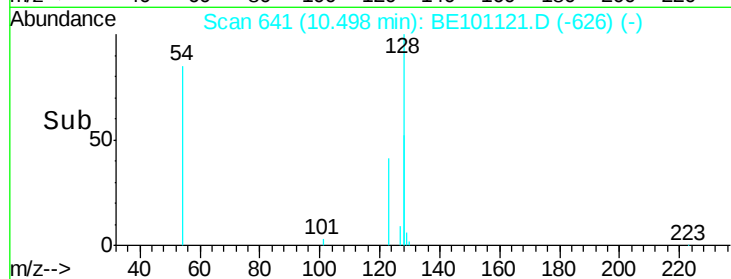
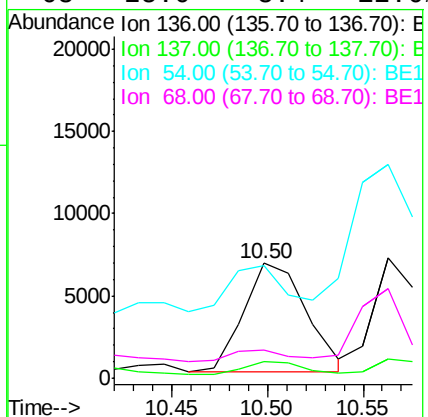
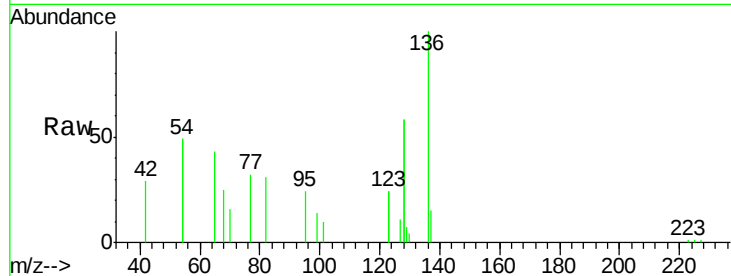
ClientSampleId :

DUP-20200116

Tot Ion	Ratio	Lower	Upper
136	100		
137	15.0	9.3	13.9#
54	98.2	36.8	55.2#
68	25.0	8.4	12.6#

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#8

Nitrobenzene-d5

Concen: 0.587 ng m

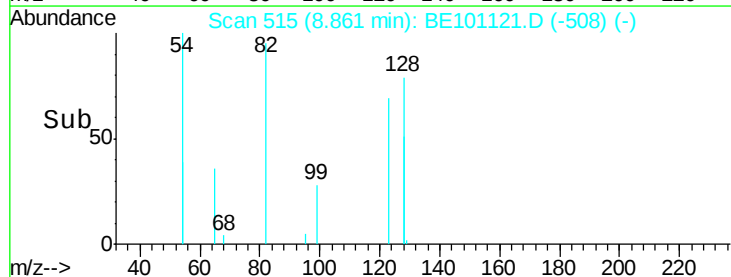
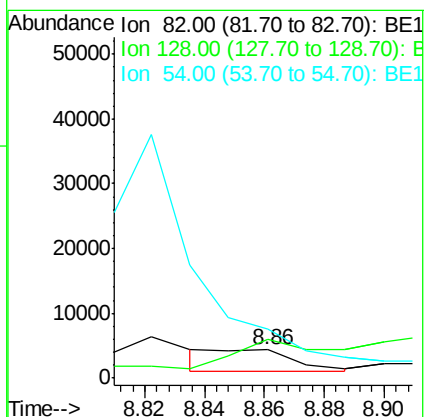
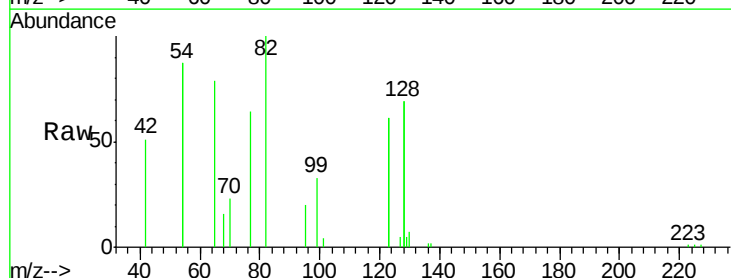
RT: 8.86 min Scan# 515

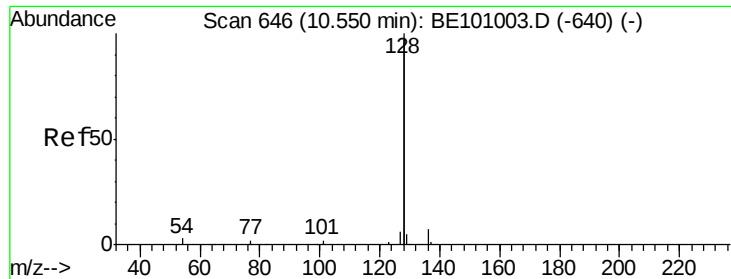
Delta R.T. -0.01 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	69.2	109.8	164.6#
54	87.4	174.5	261.7#





#9

Naphthalene

Concen: 373.243 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

Tot Ion:128 Resp:62733142

Ion Ratio Lower Upper

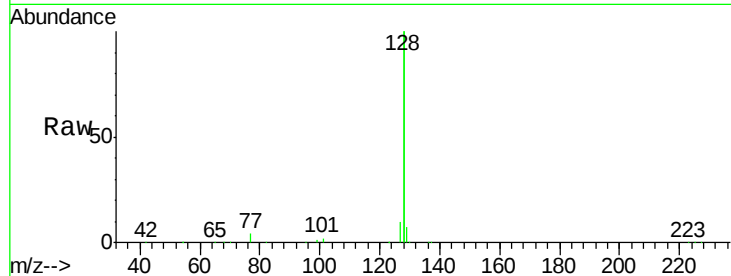
128 100

129 3.7 2.3 3.5#

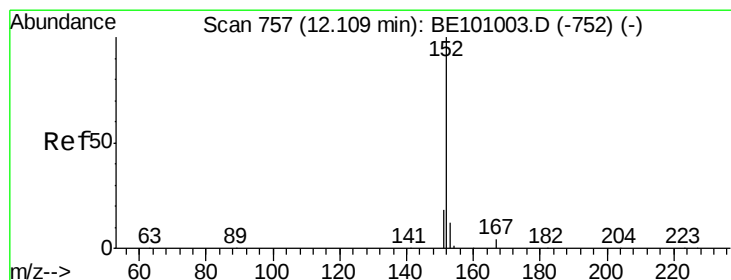
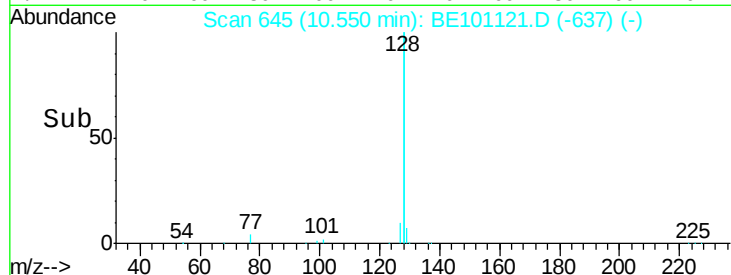
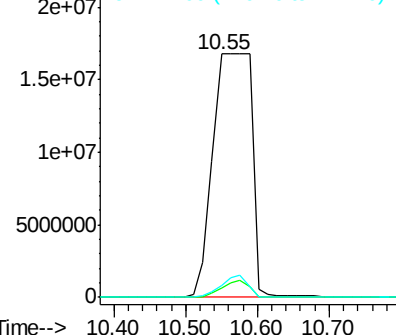
127 4.8 2.7 4.1#

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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: 0.318 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.01 min

Lab File: BE101121.D

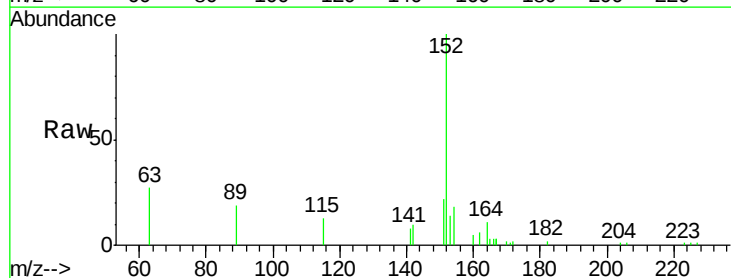
Acq: 22 Jan 2020 19:10

Tgt Ion:152 Resp: 9176

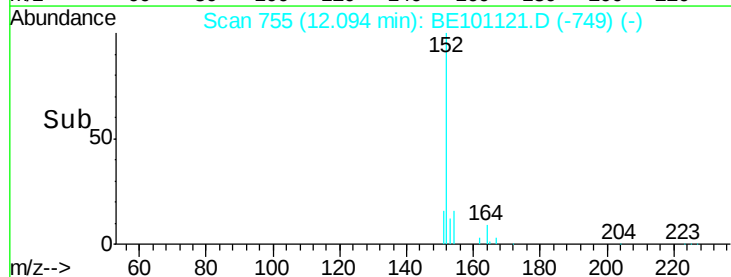
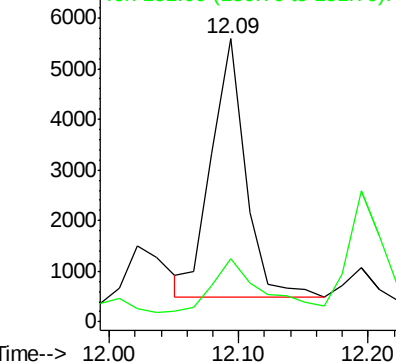
Ion Ratio Lower Upper

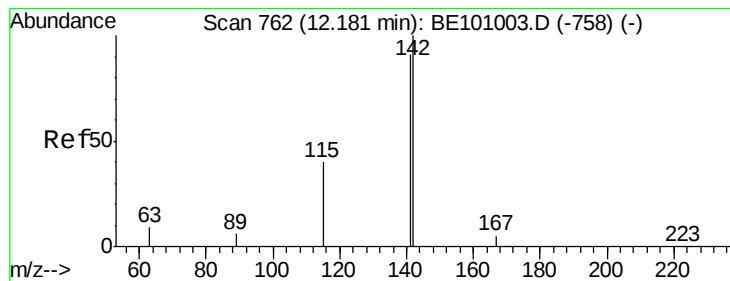
152 100

151 30.3 15.0 22.6#



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





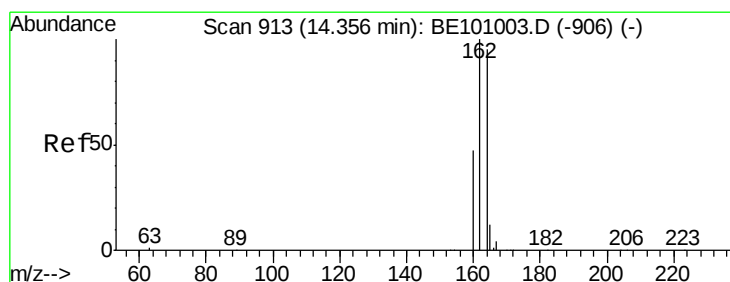
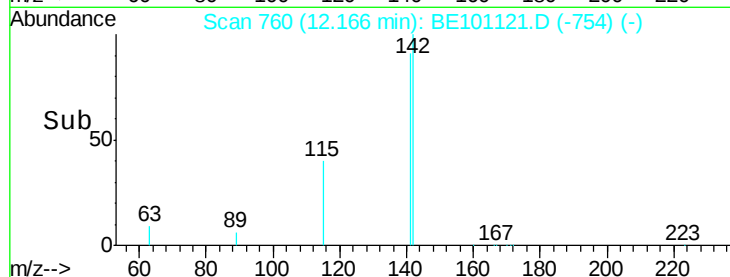
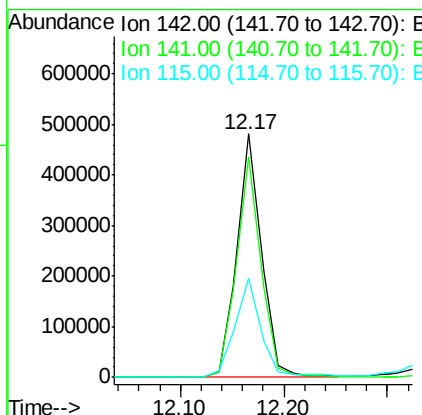
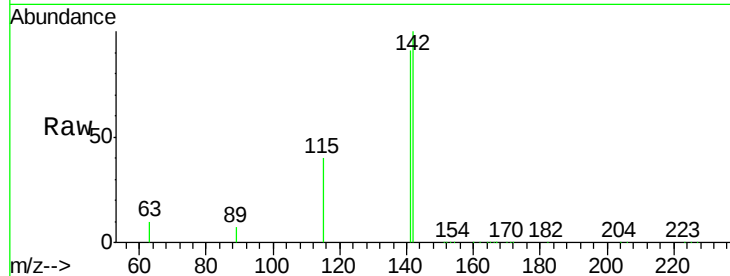
#12
2-Methylnaphthalene
Concen: 31.157 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.5	108.7
115	40.4	33.0	49.6

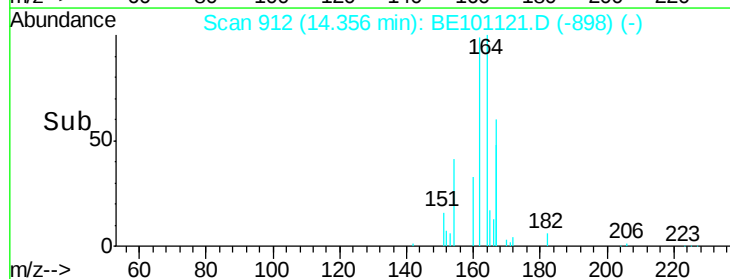
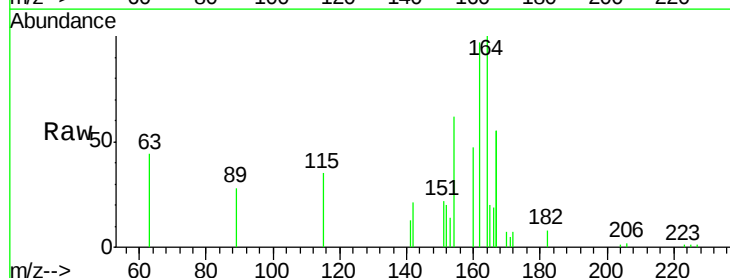
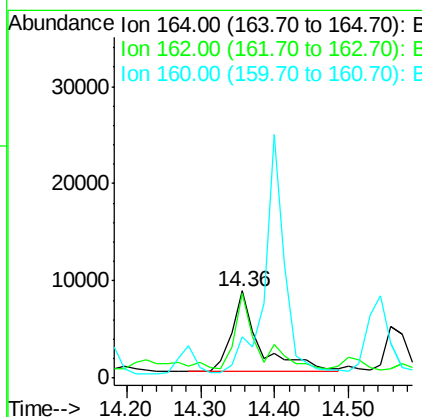
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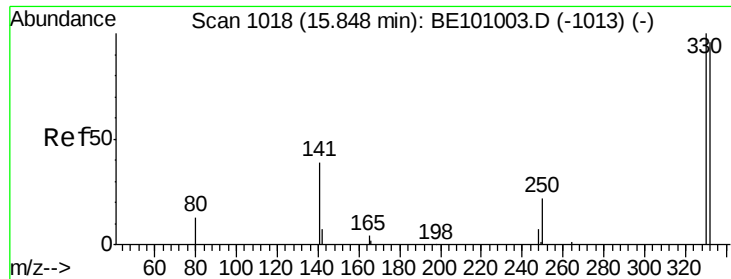
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	84.1	126.1
160	47.0	40.4	60.6





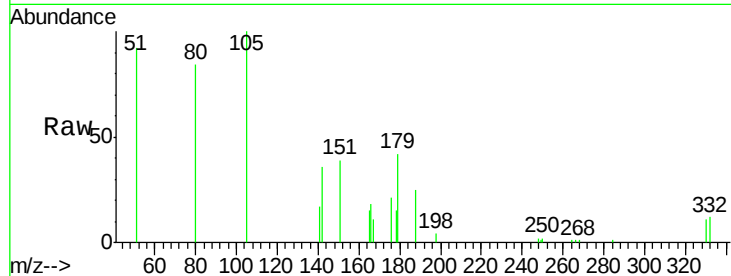
#14
 2,4,6-Tribromophenol
 Concen: 0.278 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Instrument :
 BNA_E
 ClientSampleId :
 DUP-20200116

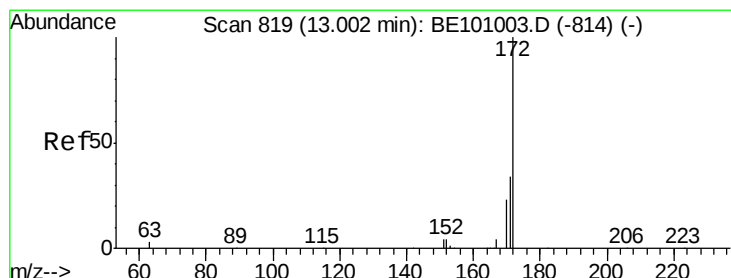
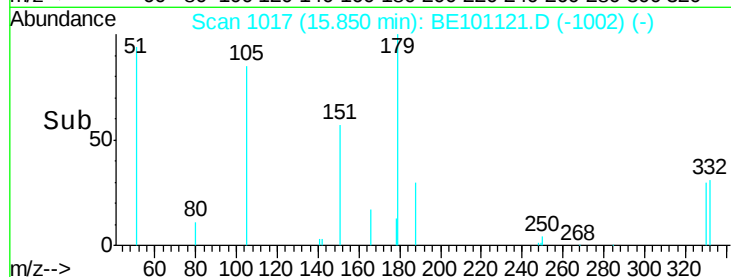
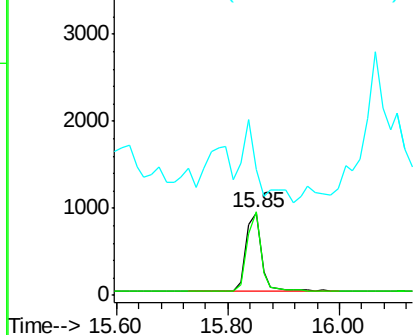
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.1	78.4	117.6
141	103.7	37.0	55.4

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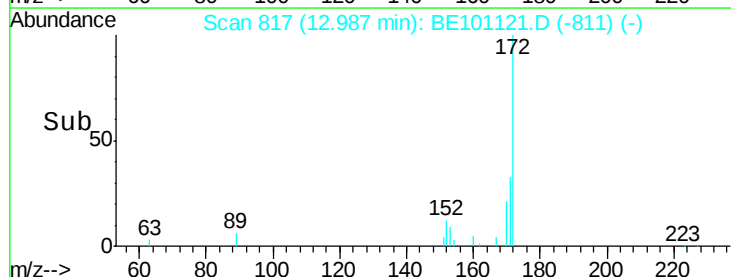
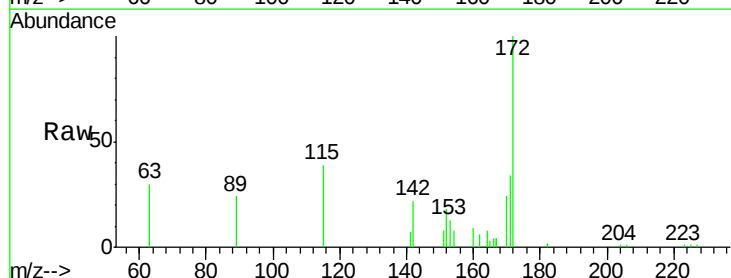
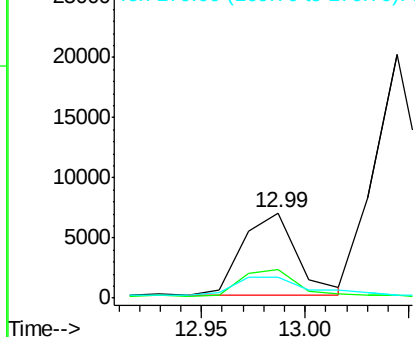
Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

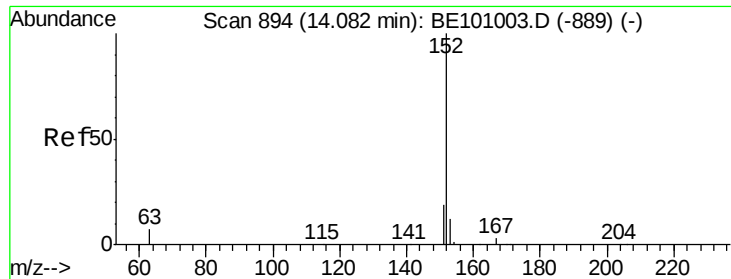


#15
 2-Fluorobiphenyl
 Concen: 0.147 ng
 RT: 12.99 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.2	42.2
170	24.2	18.9	28.3

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





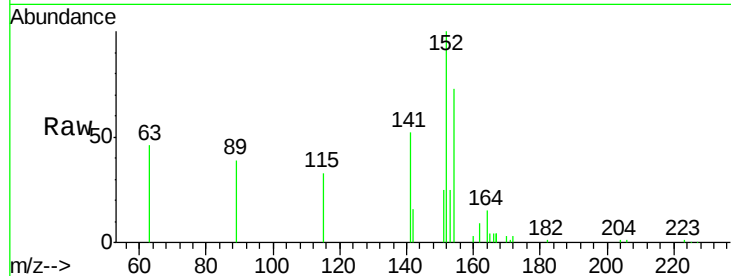
#16
Acenaphthylene
Concen: 0.438 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Tot Ion	Ratio	Lower	Upper
152	100		
151	25.4	15.5	23.3#
153	14.3	10.4	15.6

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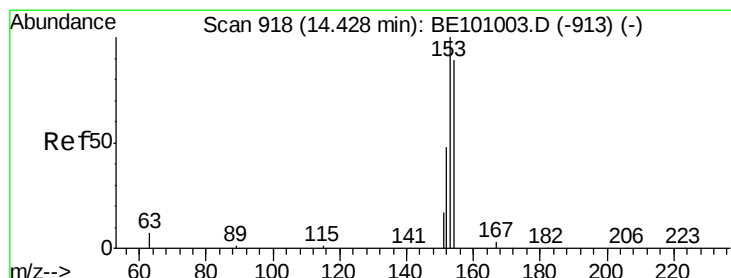
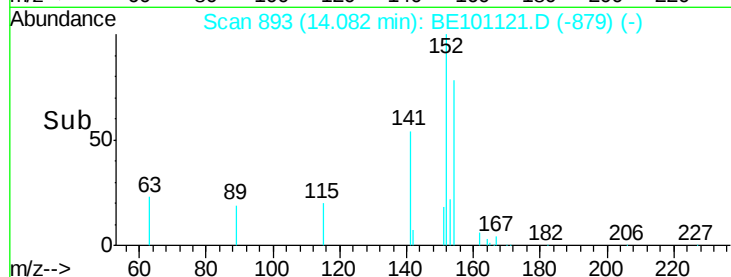
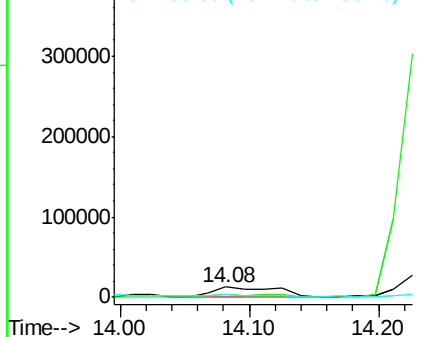


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17
Acenaphthene
Concen: 1.234 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

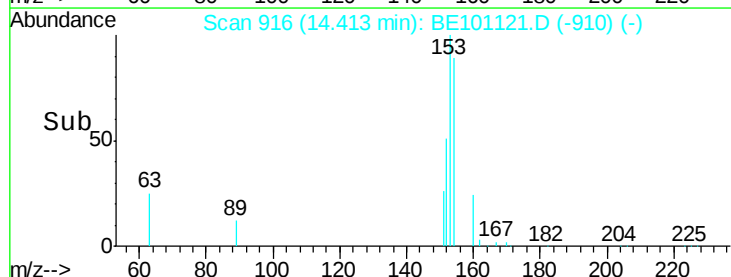
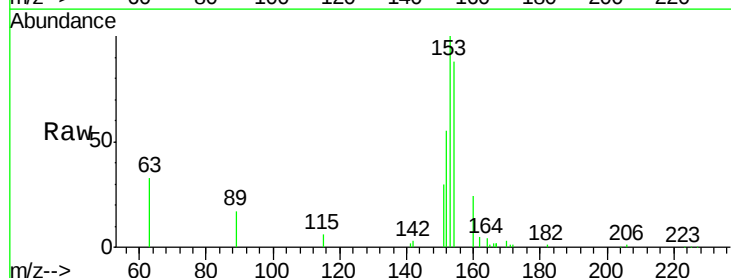
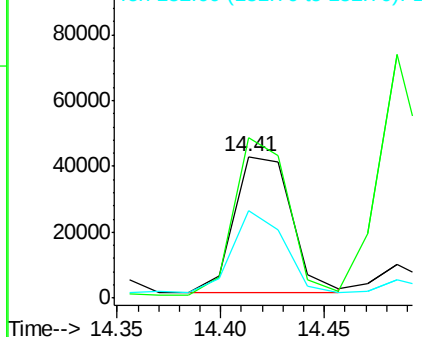
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.9	93.6	140.4
152	55.2	46.3	69.5

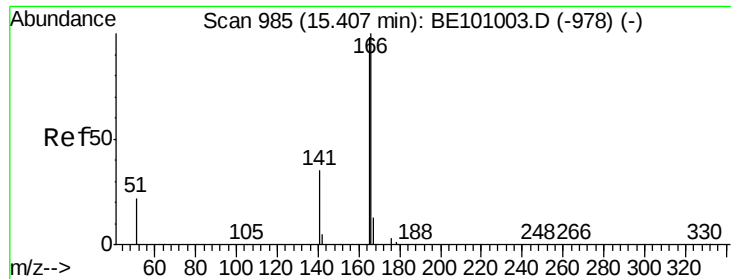
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





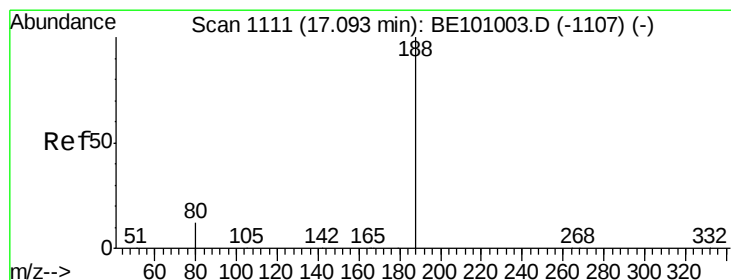
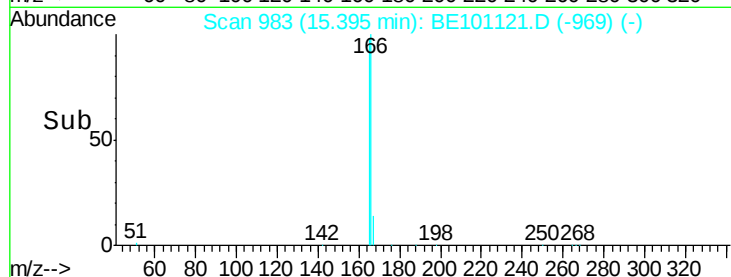
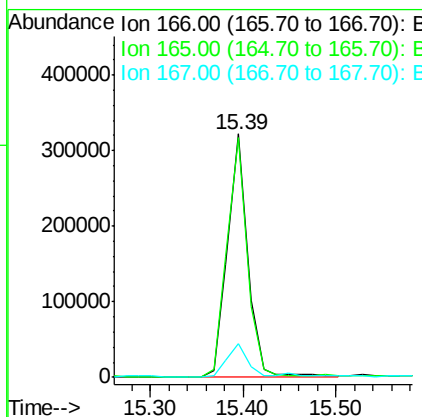
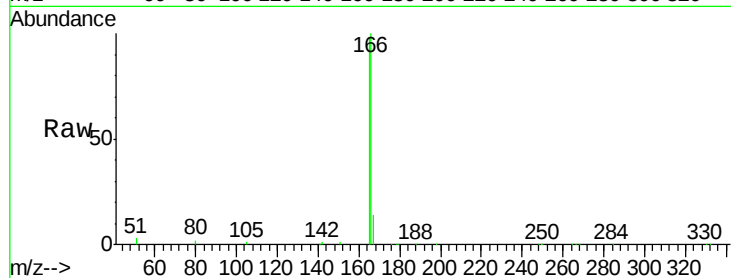
#18
Fluorene
 Concen: 5.932 ng
 RT: 15.39 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Instrument :
 BNA_E
 ClientSampleId :
 DUP-20200116

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.8
167	13.7	11.0	16.6

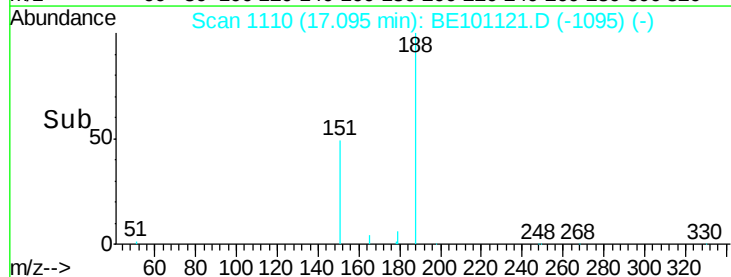
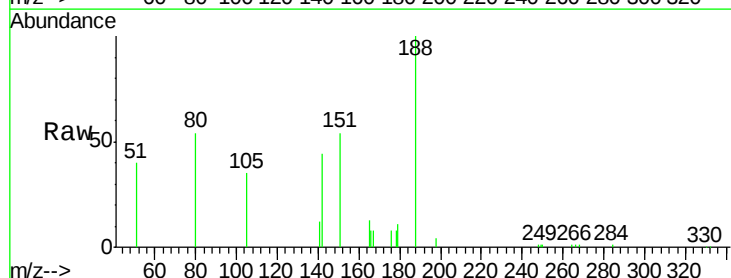
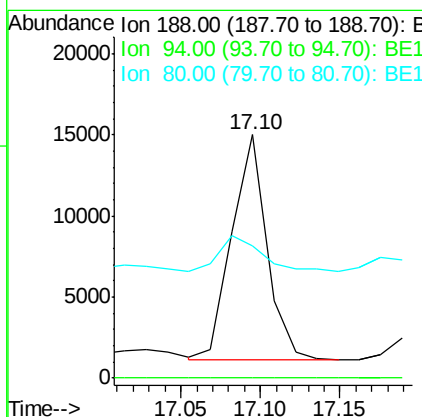
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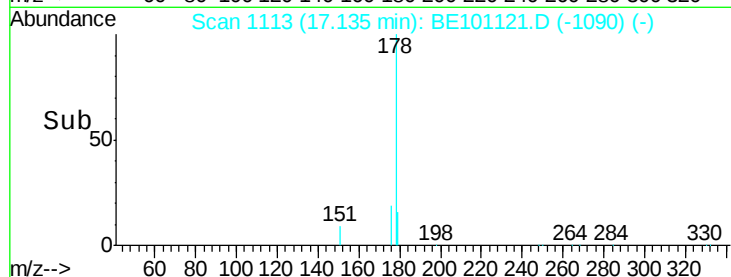
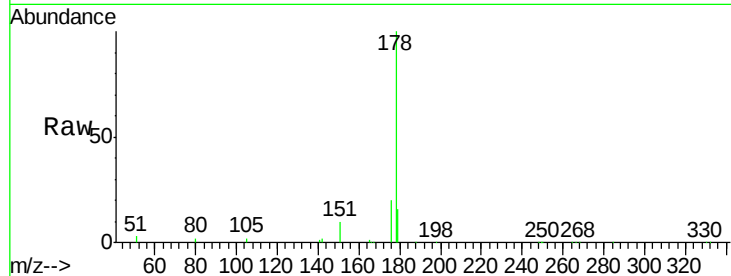
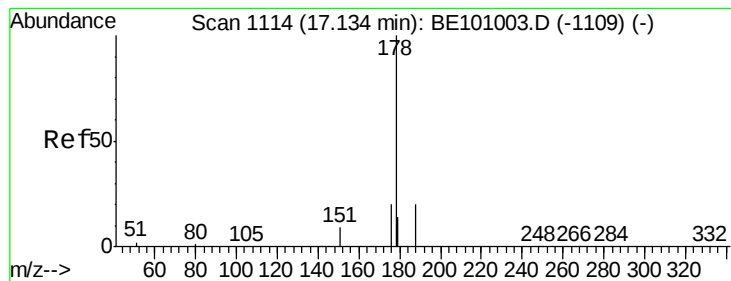
mohammad
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.10 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	54.2	10.8	16.2





#23

Phenanthrene

Concen: 7.846 ng

RT: 17.14 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Tot Ion:178	Resp:	454123
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.7 23.5
179	16.0	12.0 18.0

Instrument :

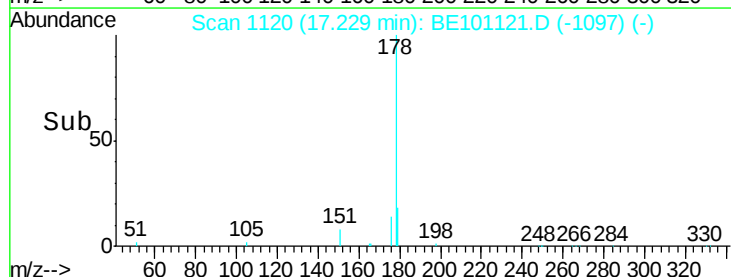
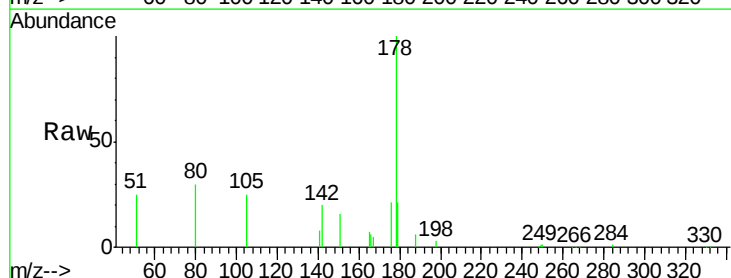
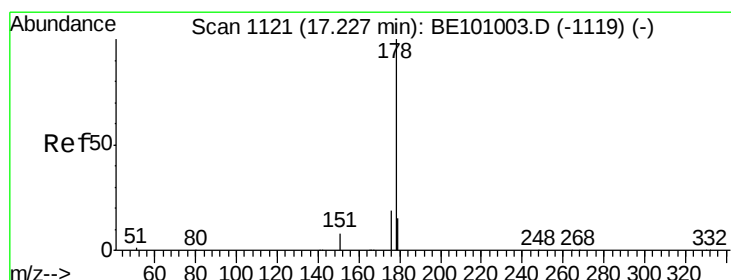
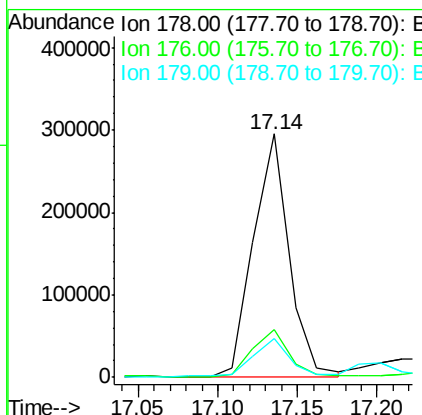
BNA_E

ClientSampleId :

DUP-20200116

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#24

Anthracene

Concen: 1.194 ng m

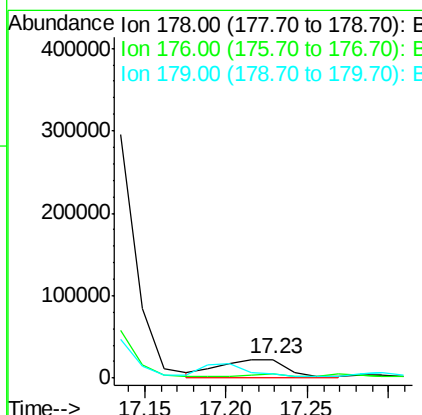
RT: 17.23 min Scan# 1120

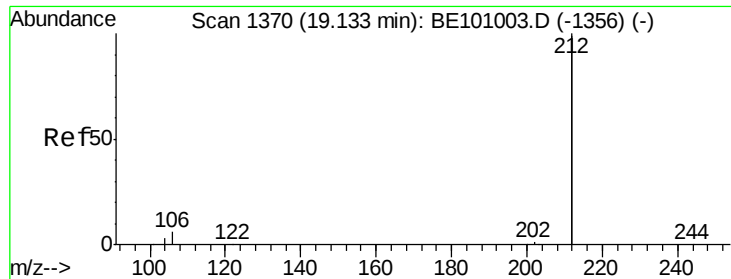
Delta R.T. 0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Tgt Ion:178	Resp:	65224
Ion Ratio	Lower	Upper
178	100	
176	136.7	14.8 22.2#
179	111.5	12.4 18.6#





#25

Fluoranthene-d10

Concen: 0.298 ng

RT: 19.14 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Instrument :

BNA_E

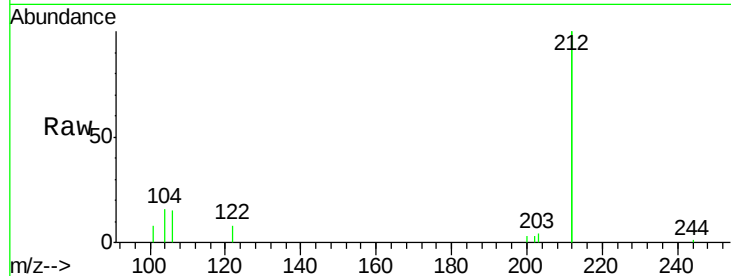
ClientSampleId :

DUP-20200116

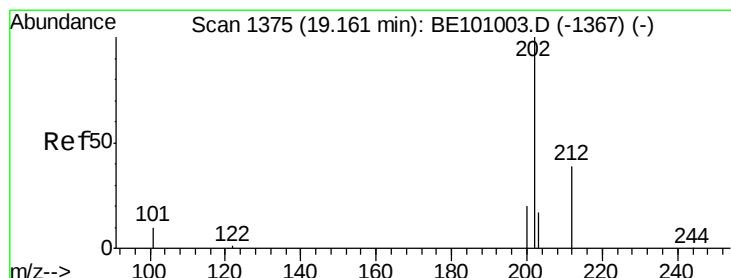
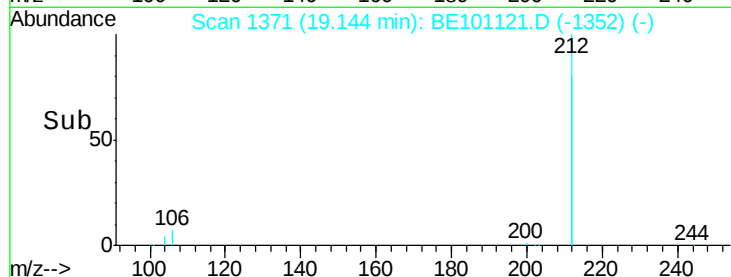
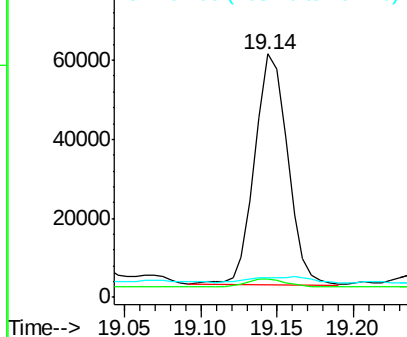
Tot Ion	Ratio	Lower	Upper
212	100		
106	4.4	2.6	3.8#
104	4.1	1.4	2.0#

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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: 0.925 ng

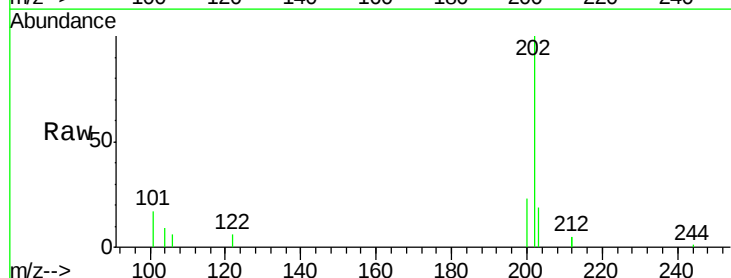
RT: 19.18 min Scan# 1377

Delta R.T. 0.02 min

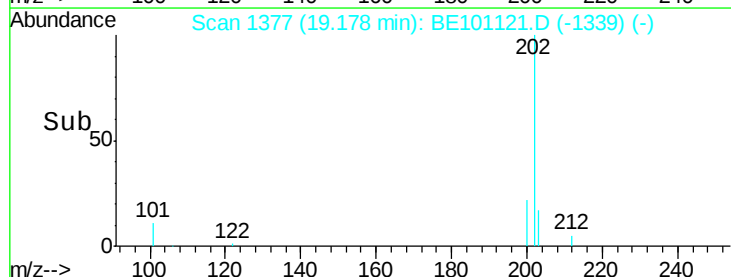
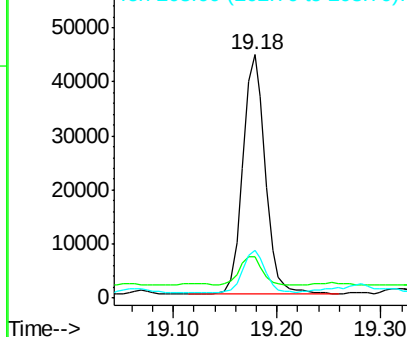
Lab File: BE101121.D

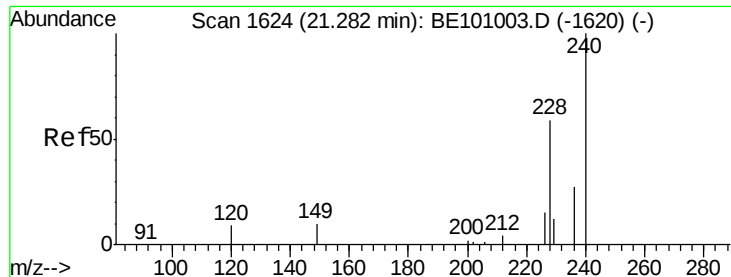
Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.6	14.4
203	17.3	13.8	20.6



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





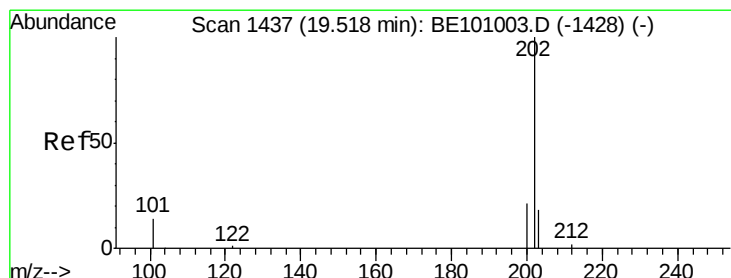
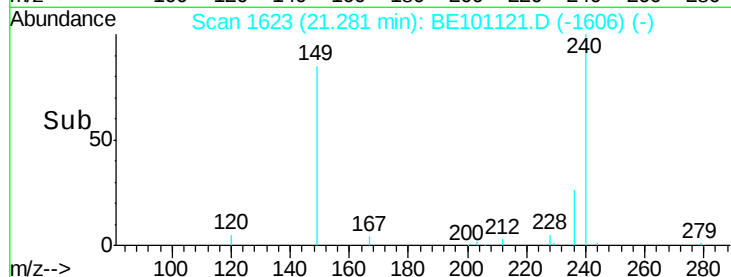
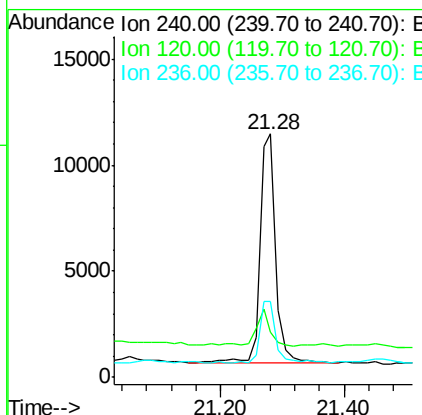
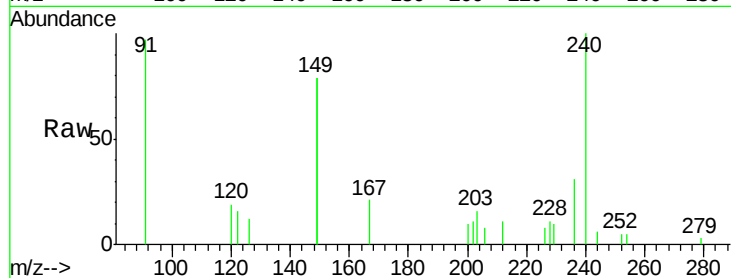
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Tot Ion	Ratio	Lower	Upper
240	100		
120	18.5	8.6	13.0
236	31.0	22.2	33.4

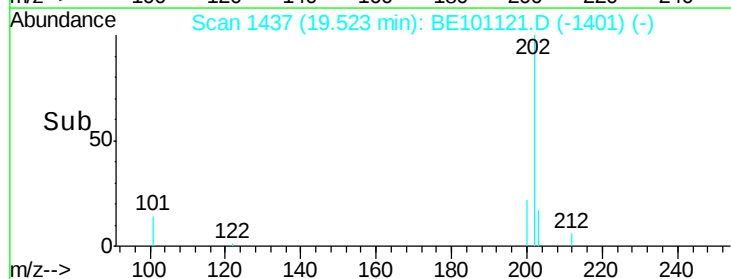
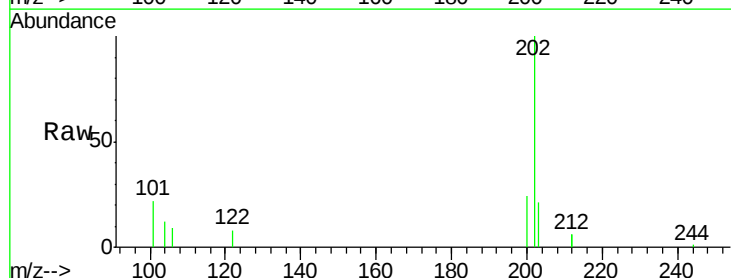
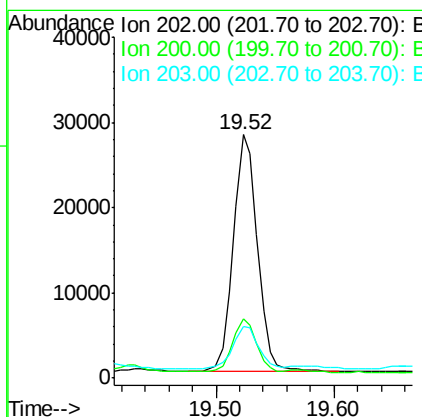
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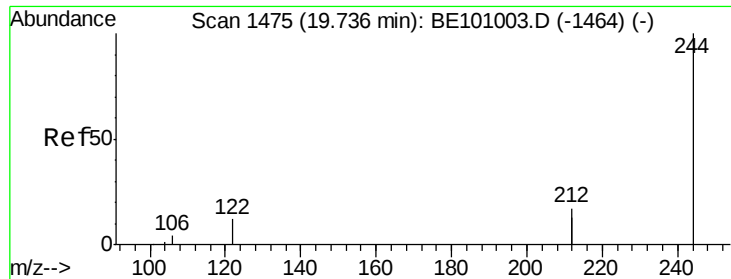
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#28
Pyrene
Concen: 0.547 ng
RT: 19.52 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	19.4	13.8	20.6





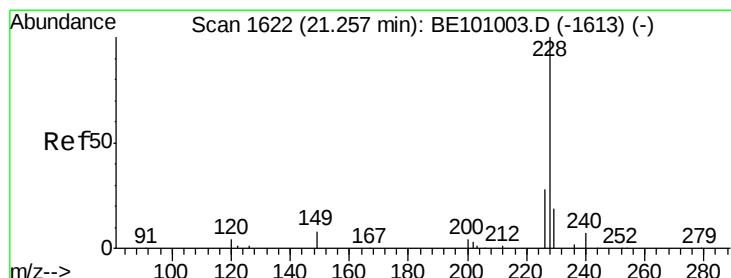
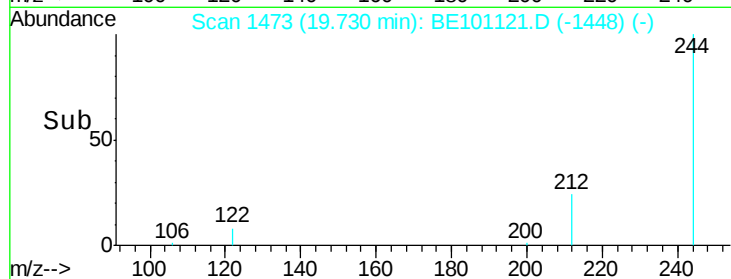
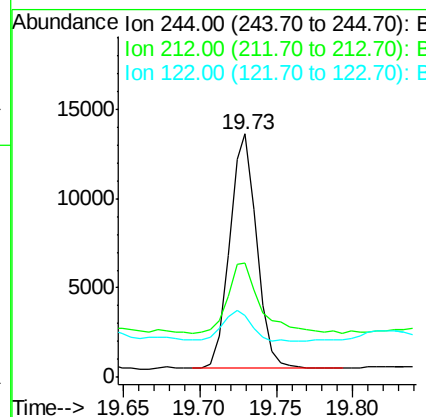
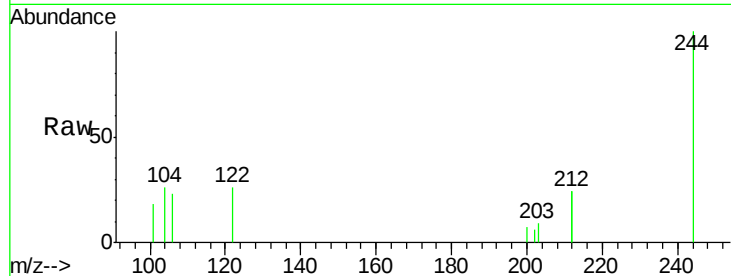
#29
 Terphenyl-d14
 Concen: 0.346 ng
 RT: 19.73 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Instrument :
 BNA_E
 ClientSampleId :
 DUP-20200116

Tot Ion	Ratio	Lower	Upper
244	100		
212	47.2	27.2	40.8#
122	25.6	9.8	14.8#

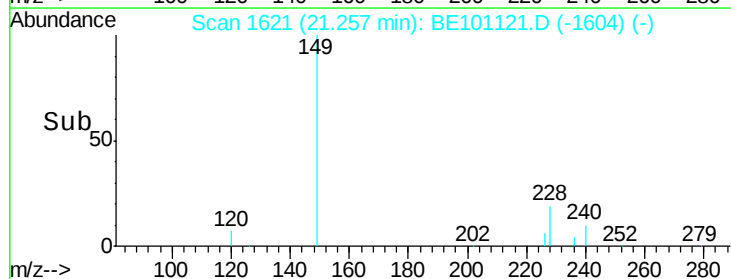
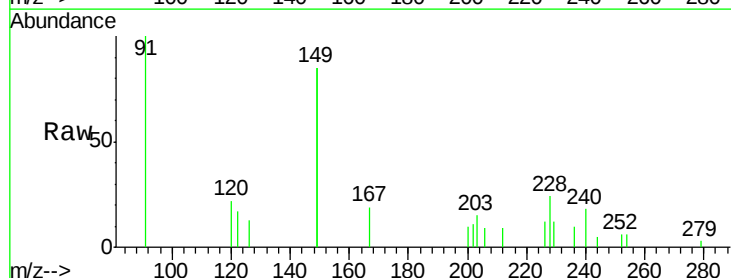
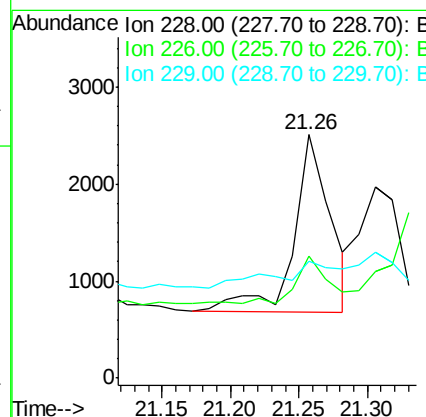
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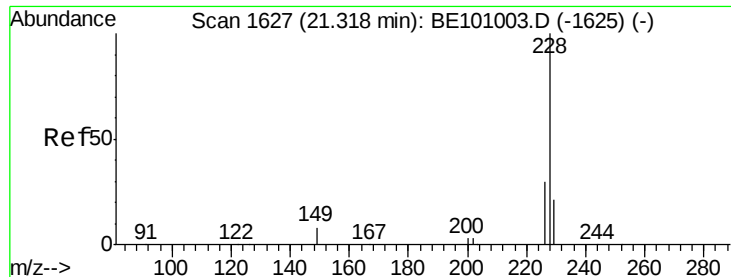
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#30
 Benzo(a)anthracene
 Concen: 0.062 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE101121.D
 Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	50.2	22.7	34.1#
229	48.1	15.5	23.3#





#31

Chrysene

Concen: 0.033 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Instrument :

BNA_E

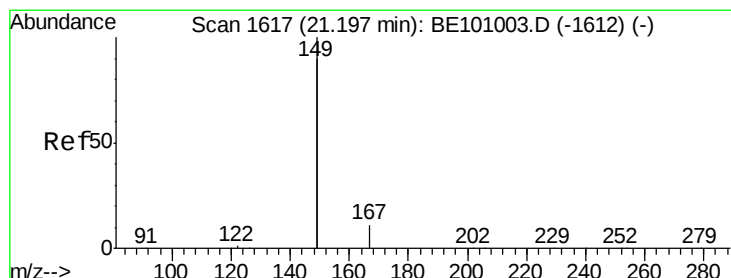
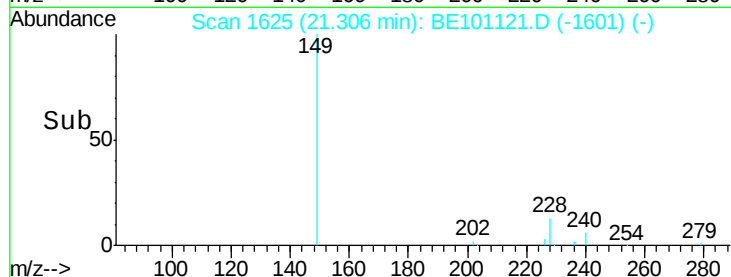
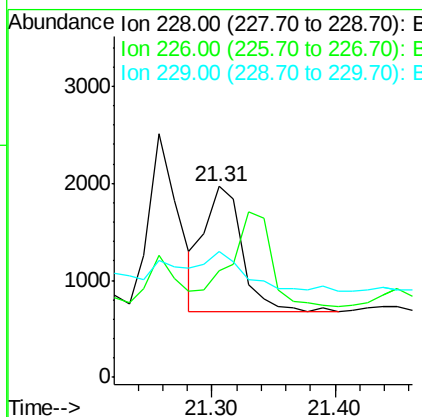
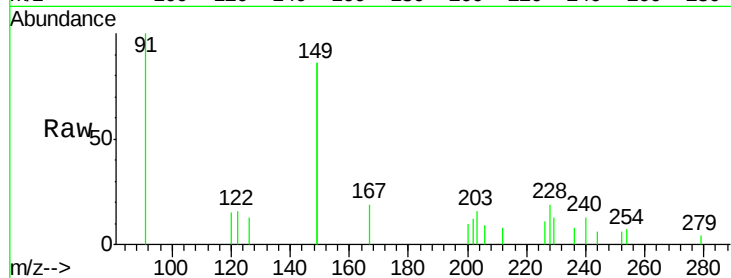
ClientSampleId :

DUP-20200116

Tot Ion:	228	Resp:	2734
Ion	Ratio	Lower	Upper
228	100		
226	55.7	23.5	35.3#
229	65.8	16.7	25.1#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.421 ng

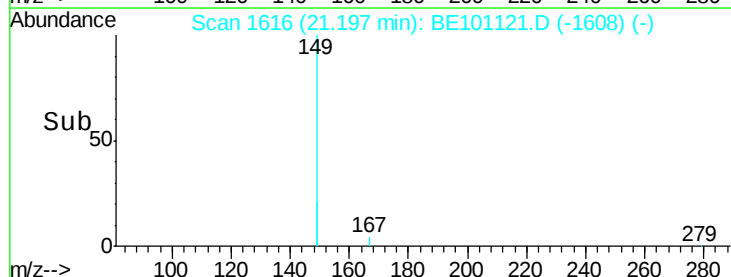
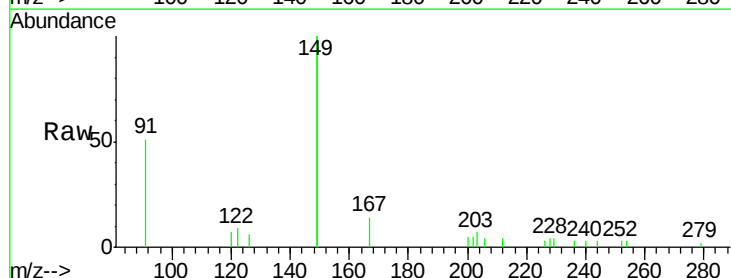
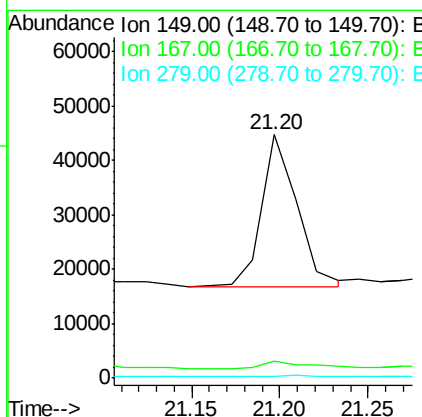
RT: 21.20 min Scan# 1616

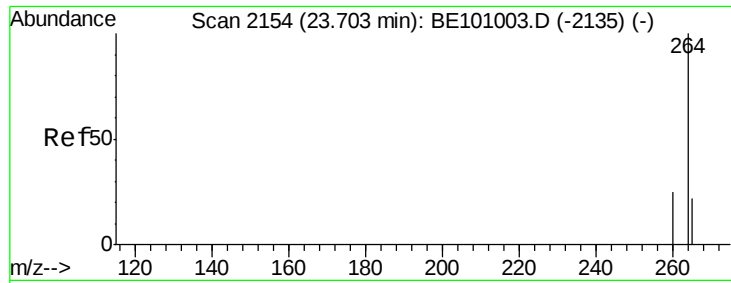
Delta R.T. -0.00 min

Lab File: BE101121.D

Acq: 22 Jan 2020 19:10

Tgt Ion:	149	Resp:	38549
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	0.9	0.8	1.2





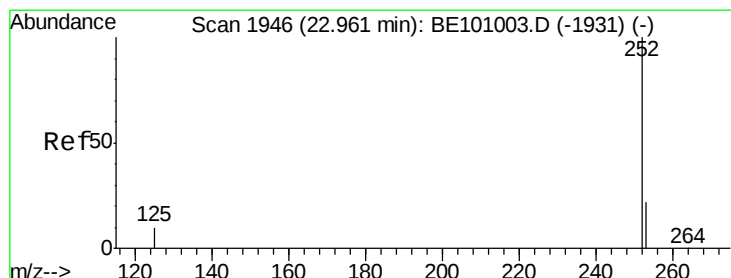
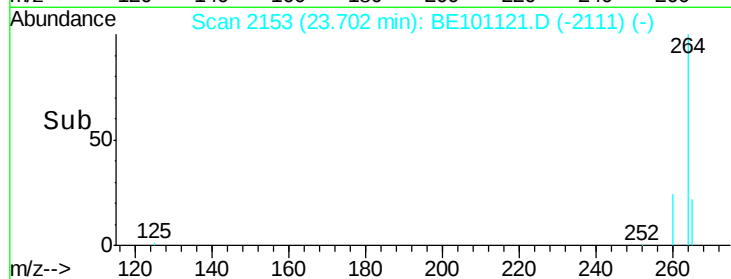
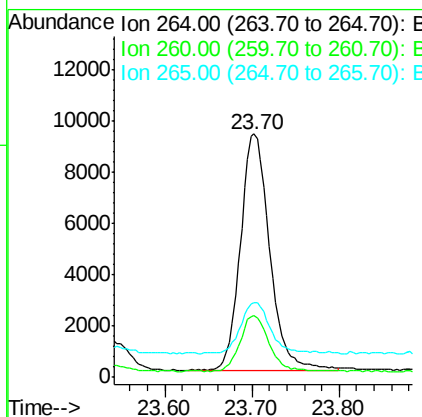
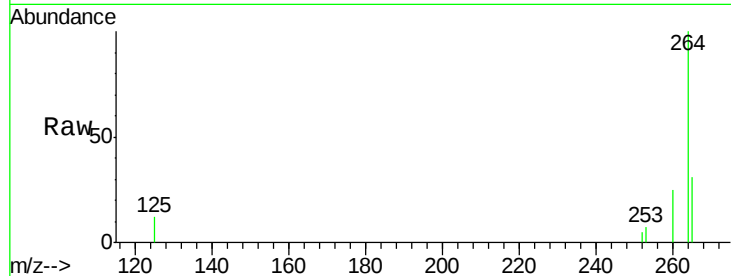
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.3	30.5
265	30.8	27.0	40.4

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#35
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 22.96 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BE101121.D
Acq: 22 Jan 2020 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	77.8	18.5	27.7#
125	112.3	9.5	14.3#

