

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094965.D
 Acq On : 9 Dec 2017 1:00
 Operator : SJ/JU
 Sample : I6740-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-DUP06-20171204

Manual Integrations
 APPROVED

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 12/11/2017 6:18:21 PM

Quant Time: Dec 09 03:09:58 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	7615	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16455	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9350	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	23107	0.40	ng	0.01
27) Chrysene-d12	21.88	240	22008m	0.40	ng	0.00
34) Perylene-d12	24.56	264	19043	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1949	0.16	ng	0.00
5) Phenol-d6	7.60	99	2157	0.12	ng	0.01
8) Nitrobenzene-d5	9.67	82	5766	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	9647	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	1201	0.58	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	26209	0.65	ng	0.00
25) Fluoranthene-d10	19.76	212	116039	0.37	ng	0.00
29) Terphenyl-d14	20.33	244	26849	0.66	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.66	88	7973	1.001	ng	93
23) Phenanthrene	17.82	178	7252	0.098	ng	97
26) Fluoranthene	19.79	202	5700	0.060	ng	96
28) Pyrene	20.14	202	4375	0.058	ng	# 90
30) Benzo(a)anthracene	21.87	228	4183	0.062	ng	# 64
31) Chrysene	21.92	228	4305m	0.058	ng	
32) Bis(2-ethylhexyl)phthalate	21.74	149	7157	0.064	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	3268	0.054	ng	99
35) Benzo(b)fluoranthene	23.73	252	3889	0.056	ng	# 50
36) Benzo(k)fluoranthene	23.78	252	3353	0.047	ng	# 50
37) Benzo(a)pyrene	24.44	252	3228	0.053	ng	# 54
38) Dibenzo(a,h)anthracene	27.46	278	2679	0.048	ng	# 54
39) Benzo(a,h,i)perylene	28.32	276	2977	0.053	ng	# 61

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

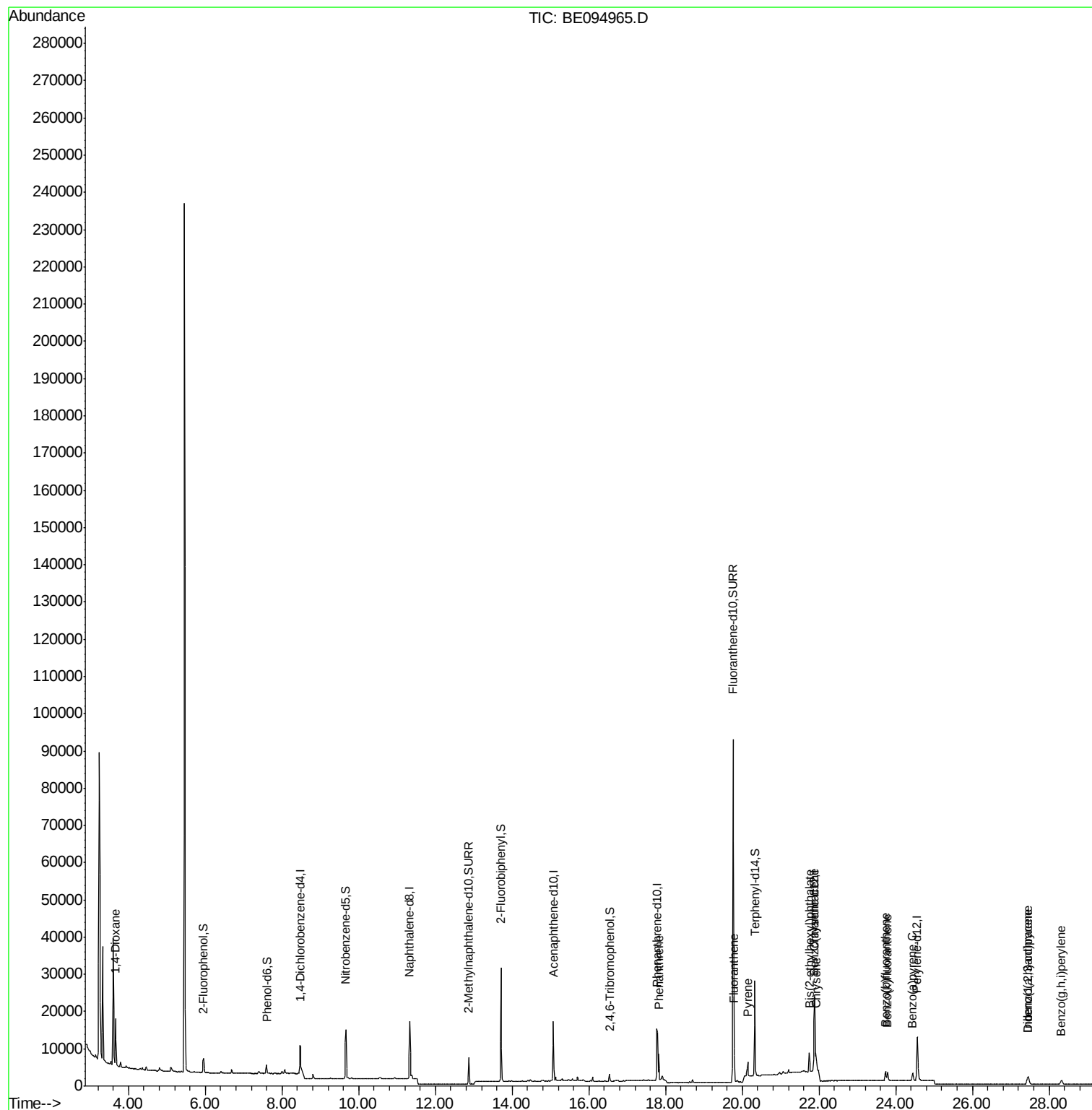
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
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ALS Vial : 14 Sample Multiplier: 1

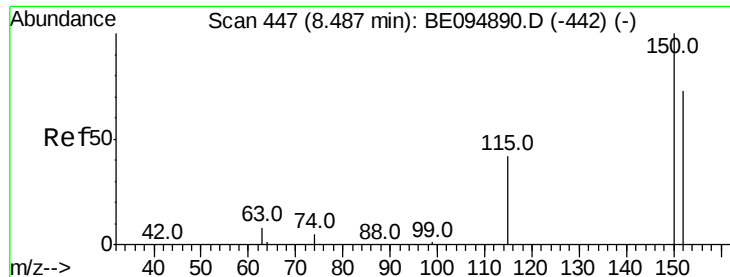
Instrument :
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Quant Time: Dec 09 03:09:58 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

ClientSampleId :

FT-DUP06-20171204

Tot Ion:152 Resp: 7615

Ion Ratio Lower Upper

152 100

150 136.6 117.2 175.8

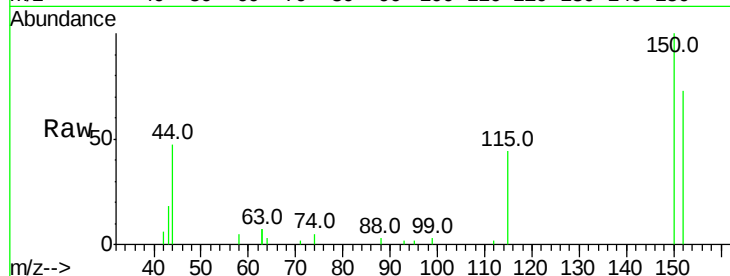
115 59.5 57.0 85.6

Manual Integrations

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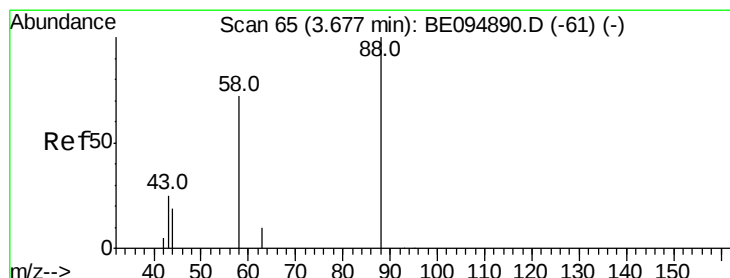
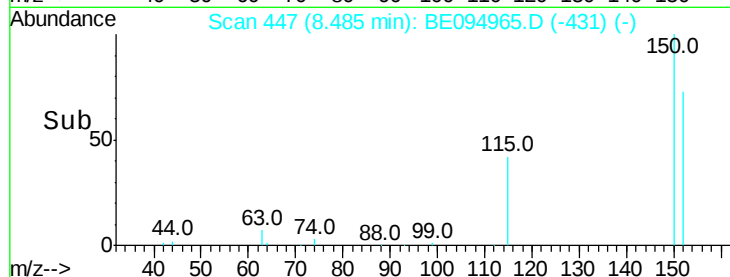
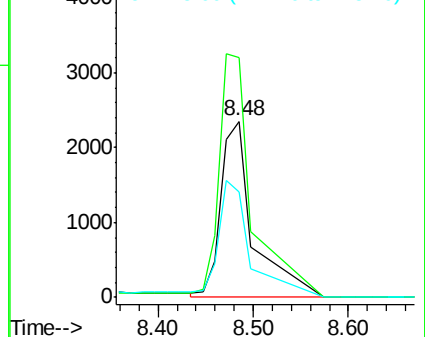
12/11/2017 6:18:21 PM



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: 1.001 ng

RT: 3.66 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

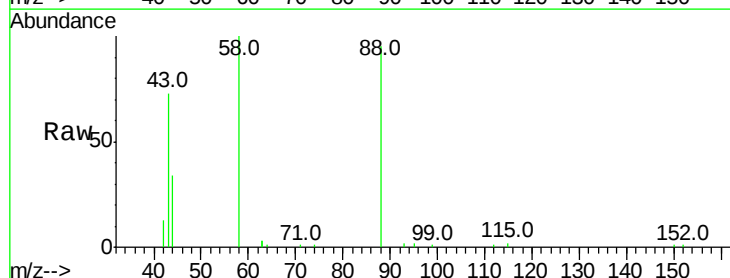
Tgt Ion: 88 Resp: 7973

Ion Ratio Lower Upper

88 100

58 86.0 63.2 94.8

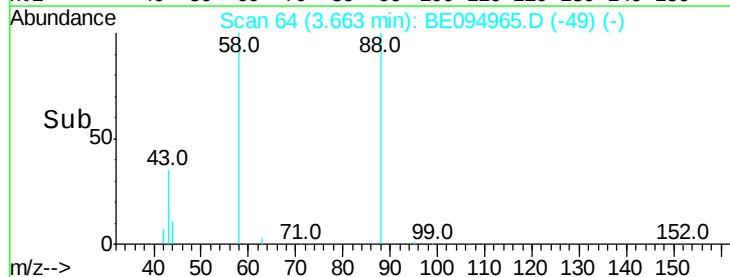
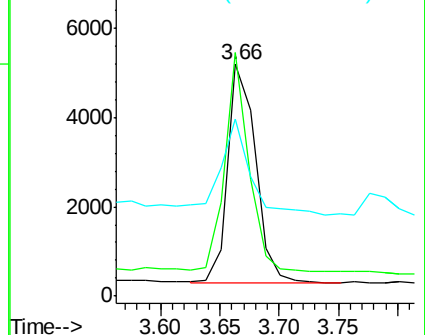
43 47.9 41.2 61.8

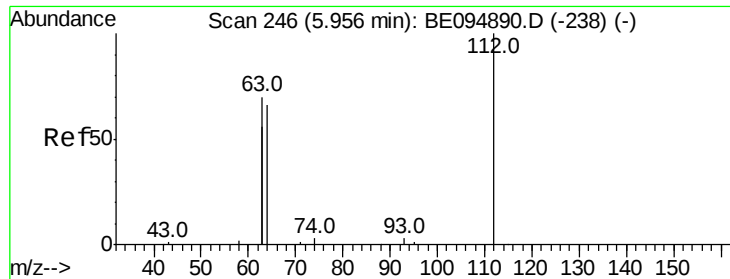


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.162 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

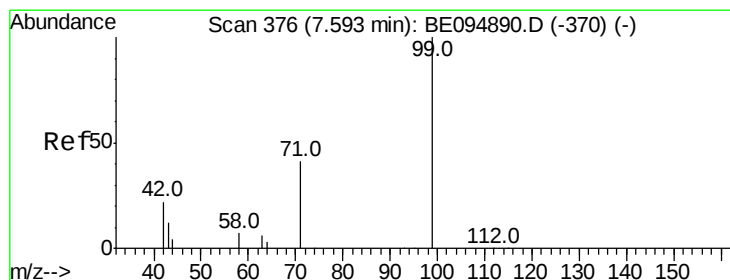
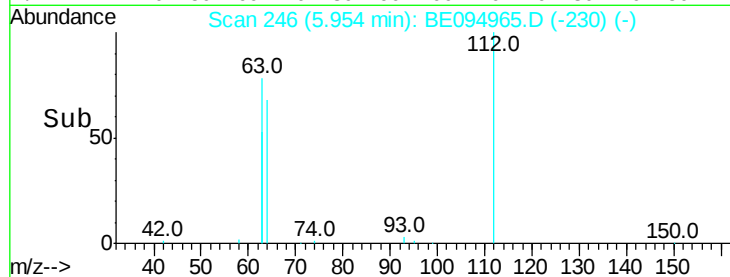
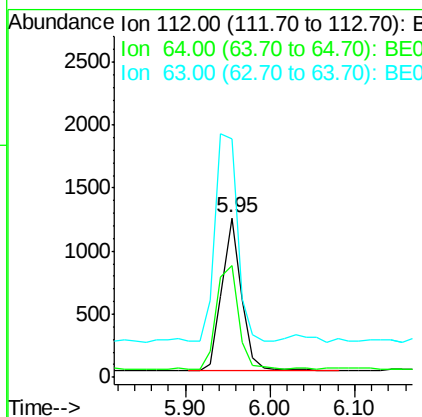
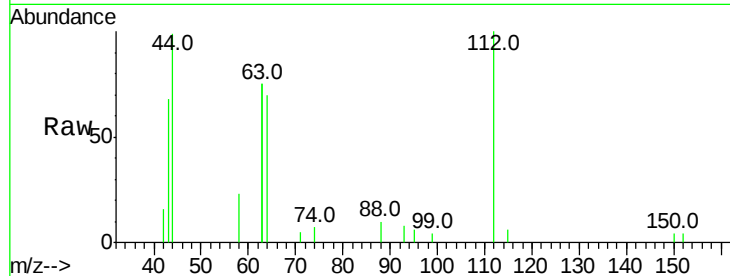
ClientSampleId :

FT-DUP06-20171204

Tot Ion:	112	Resp:	1949
Ion Ratio	Lower	Upper	
112	100		
64	78.3	60.1	90.1
63	156.3	116.8	175.2

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#5

Phenol-d6

Concen: 0.121 ng

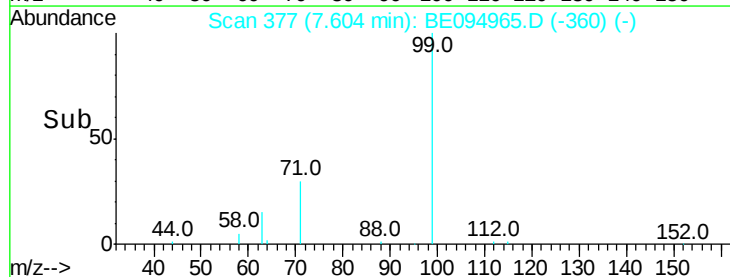
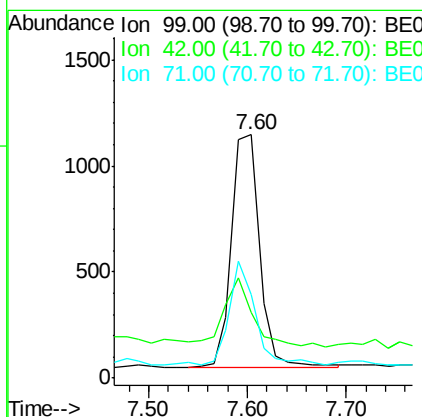
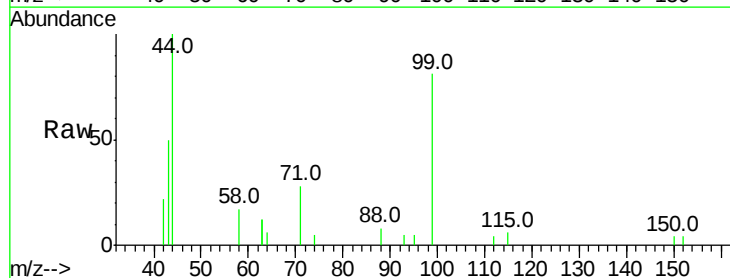
RT: 7.60 min Scan# 377

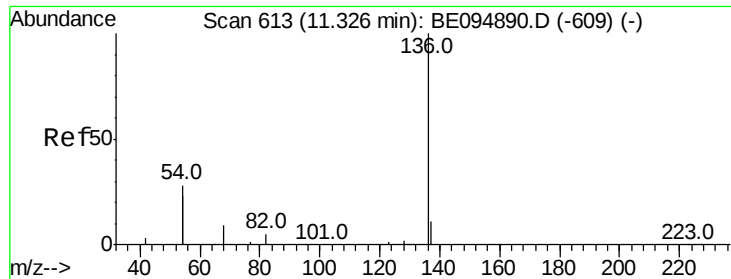
Delta R.T. 0.01 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Tgt Ion:	99	Resp:	2157
Ion Ratio	Lower	Upper	
99	100		
42	29.9	20.2	30.2
71	42.3	28.4	42.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

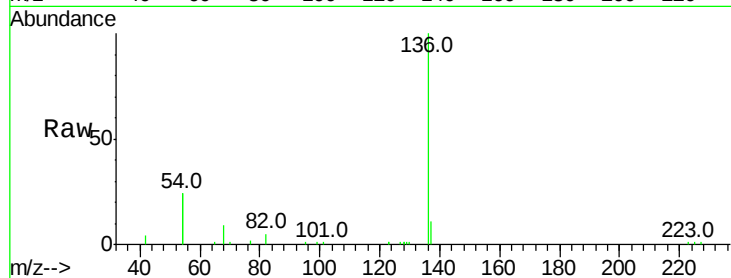
ClientSampleId :

FT-DUP06-20171204

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	9.5	14.3
54	48.9	29.1	43.7
68	9.1	6.2	9.2

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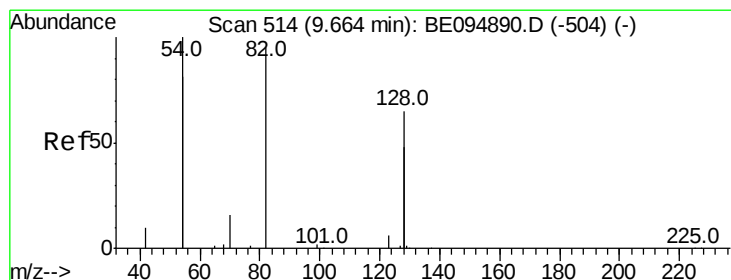
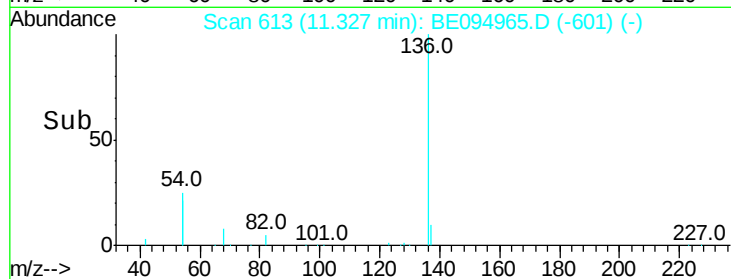
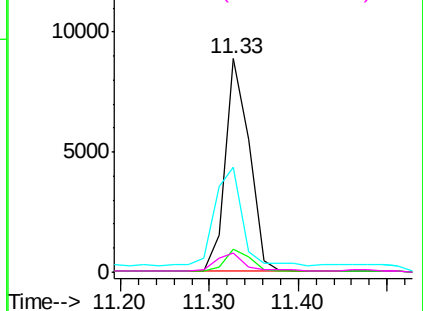


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.592 ng

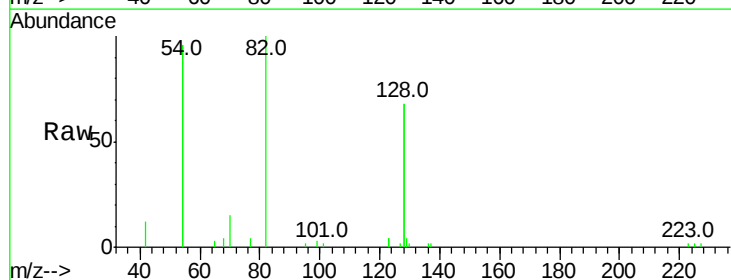
RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

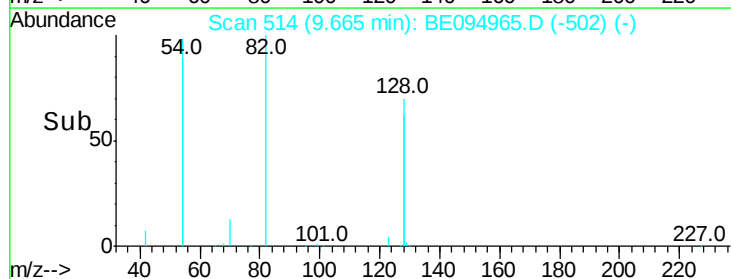
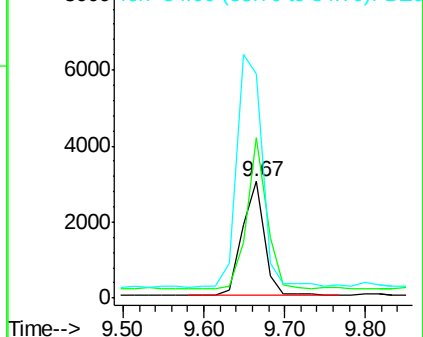
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	136.9	150.0	225.0
54	192.1	154.2	231.4

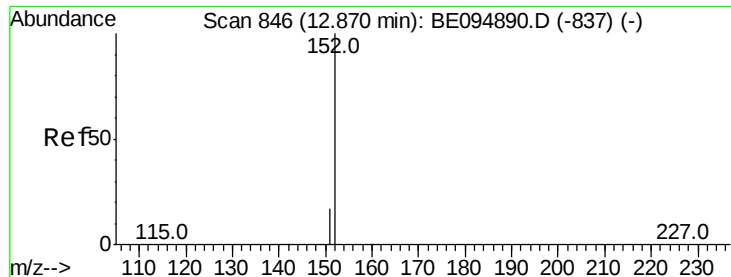


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

RT: 12.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

ClientSampleId :

FT-DUP06-20171204

Tot Ion:152 Resp: 9647

Ion Ratio Lower Upper

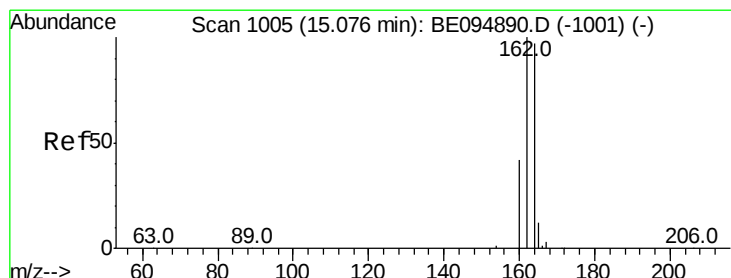
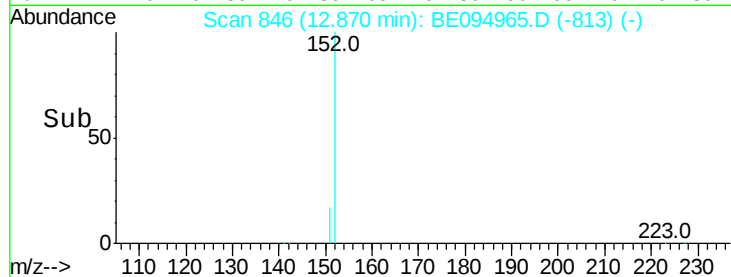
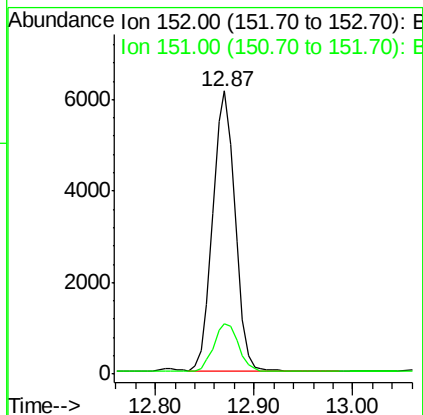
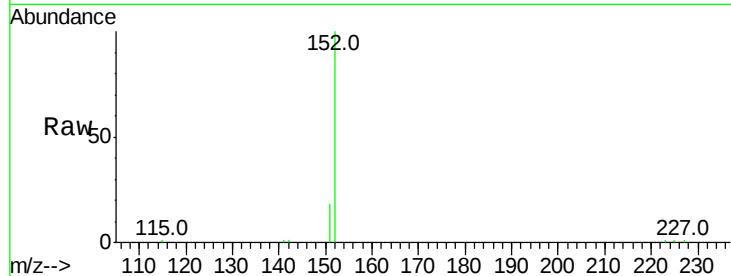
152 100

151 18.9 15.4 23.0

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

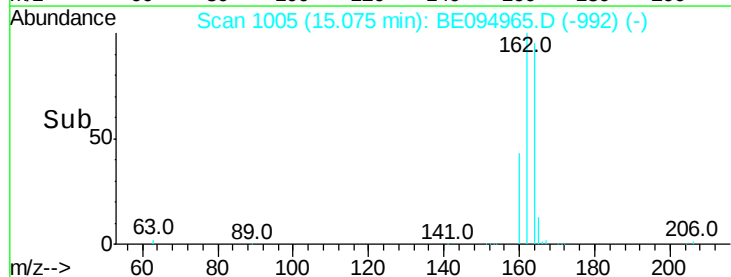
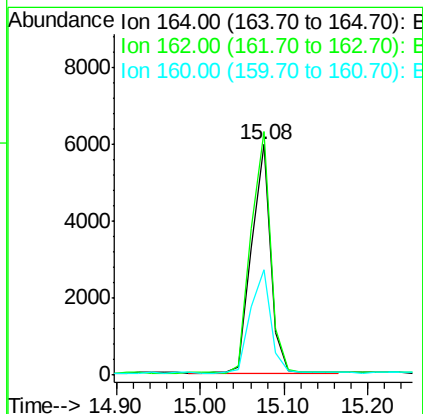
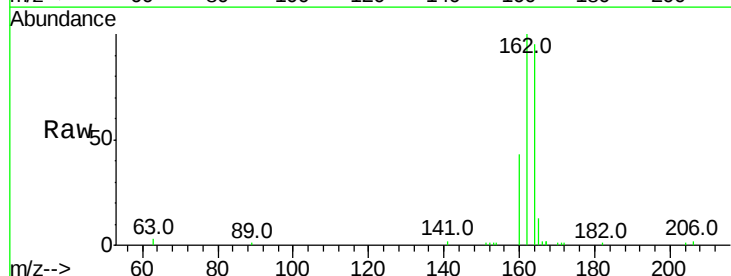
Tgt Ion:164 Resp: 9350

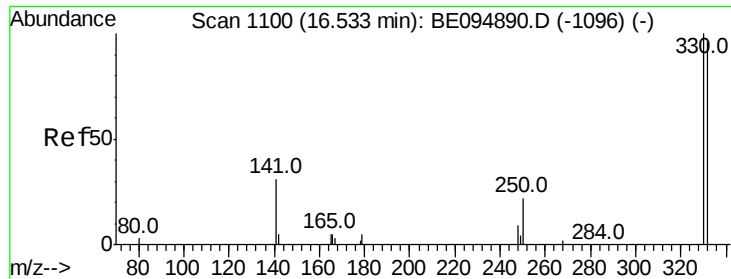
Ion Ratio Lower Upper

164 100

162 105.6 83.1 124.7

160 45.7 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.576 ng

RT: 16.55 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

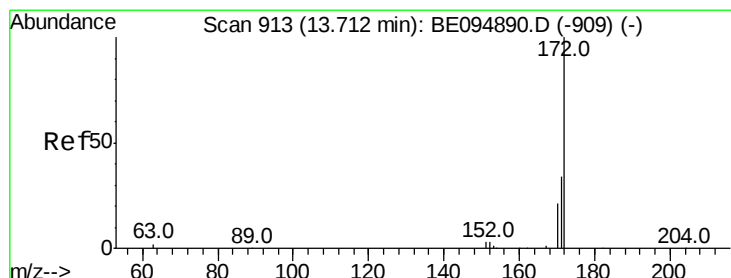
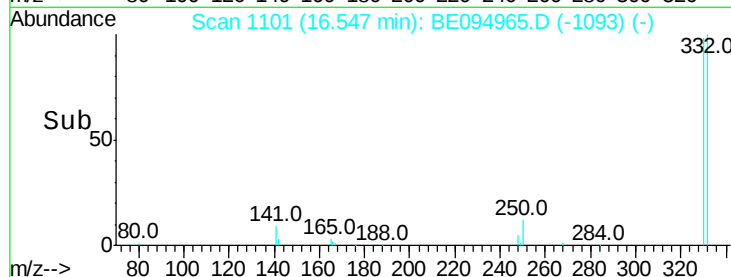
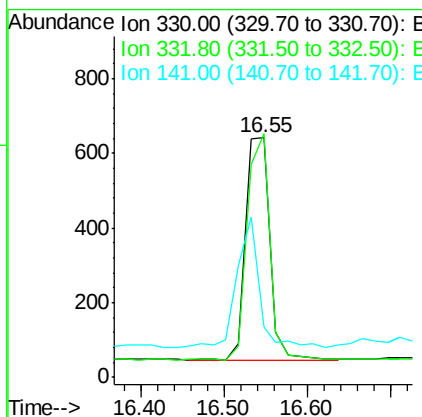
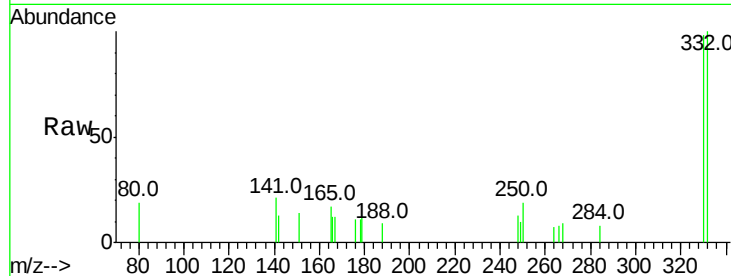
ClientSampleId :

FT-DUP06-20171204

Tot Ion:	330	Resp:	1201
Ion Ratio	Lower	Upper	
330	100		
332	95.3	152.7	229.1#
141	52.3	33.7	50.5#

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#15

2-Fluorobiphenyl

Concen: 0.655 ng

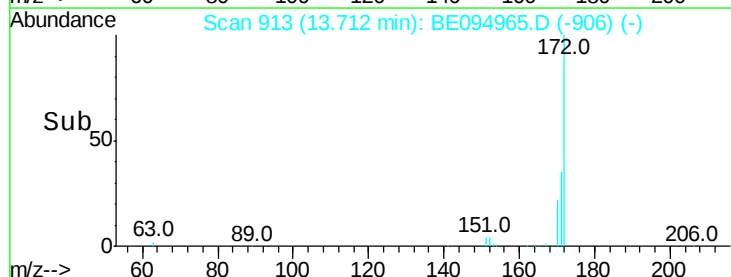
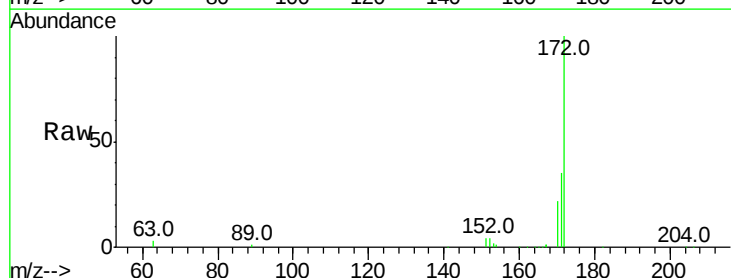
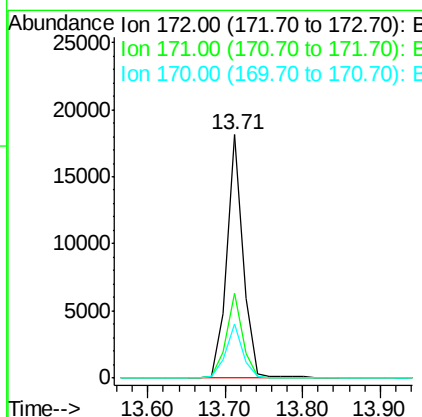
RT: 13.71 min Scan# 913

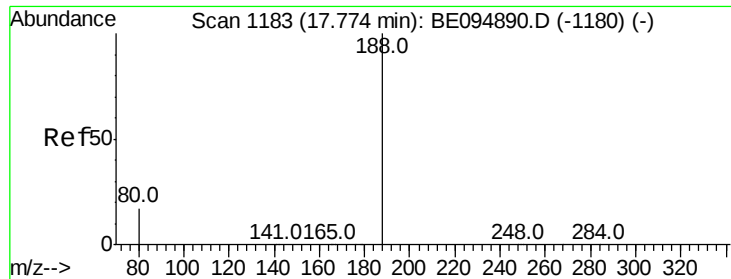
Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Tgt Ion:	172	Resp:	26209
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.9	44.9
170	22.1	21.8	32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

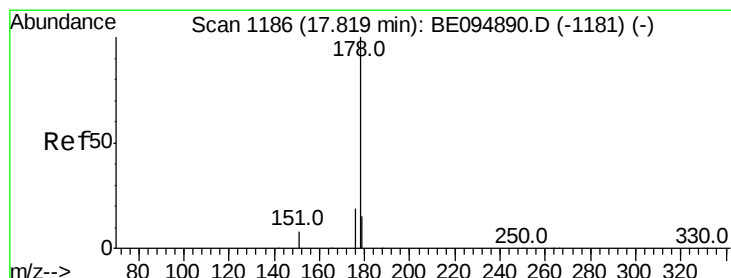
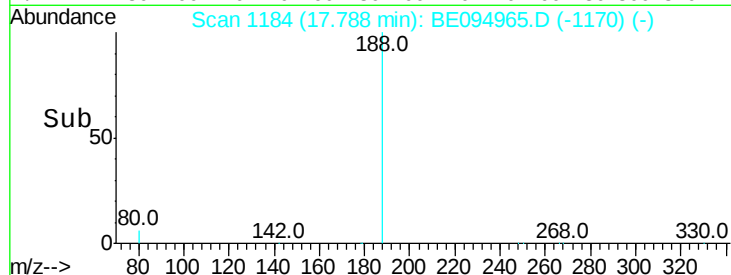
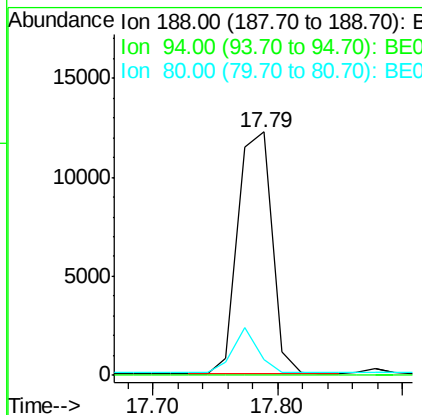
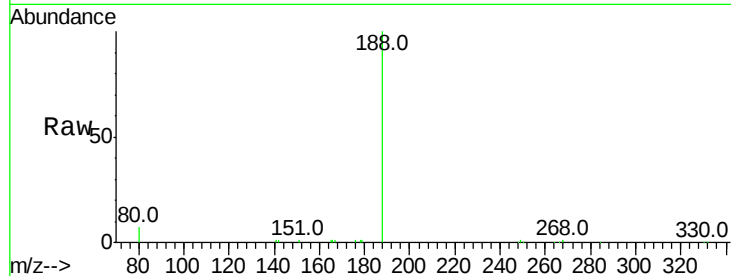
ClientSampleId :

FT-DUP06-20171204

Tot Ion:	188	Resp:	23107
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	6.7	3.6	5.4#

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#23

Phenanthrene

Concen: 0.098 ng

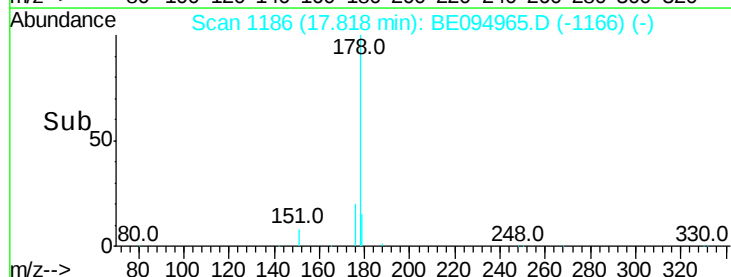
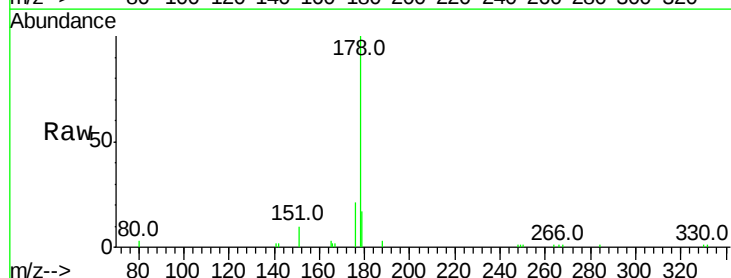
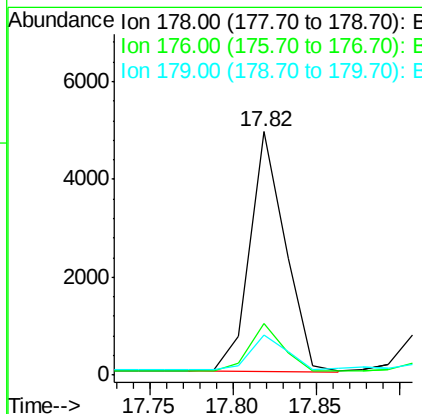
RT: 17.82 min Scan# 1186

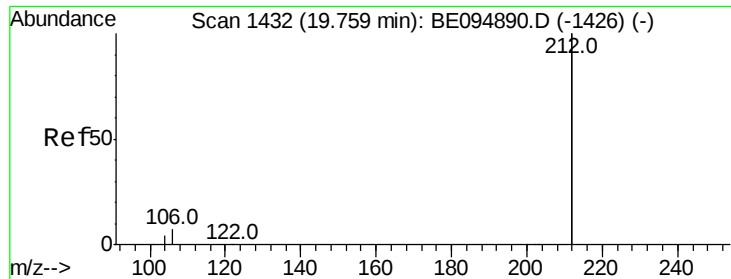
Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Tgt Ion:	178	Resp:	7252
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.1	22.7
179	15.7	11.8	17.6





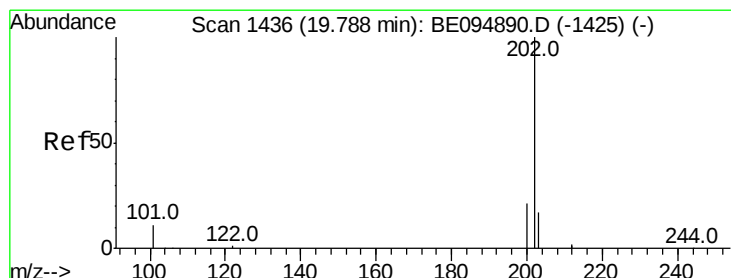
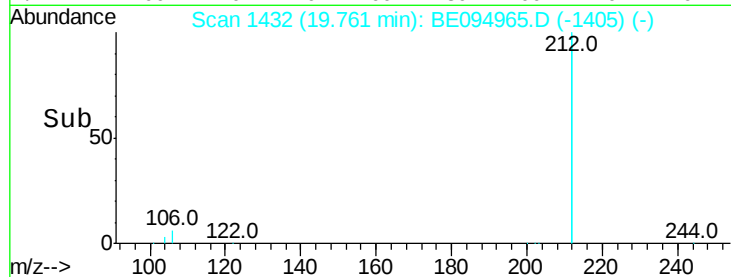
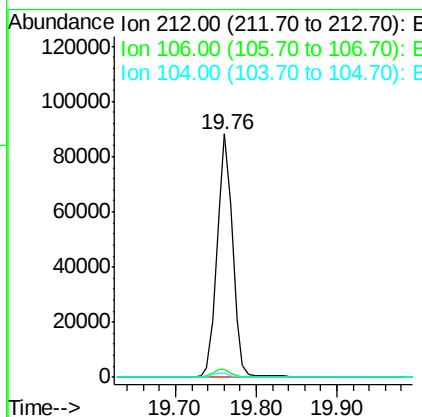
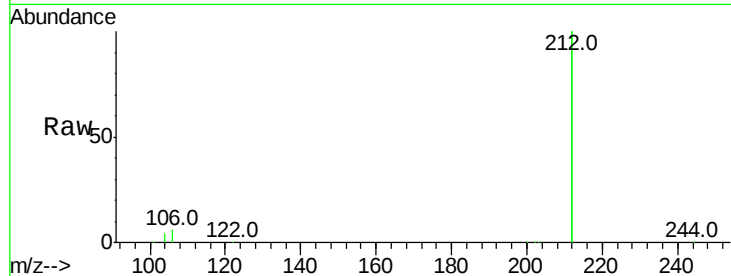
#25
 Fluoranthene-d10
 Concen: 0.367 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094965.D
 Acq: 9 Dec 2017 1:00

Instrument :
 BNA_E
 ClientSampleId :
 FT-DUP06-20171204

Tot Ion	Ratio	Resp	Lower	Upper
212	100			
106	3.4	2.8	4.2	
104	2.0	1.6	2.4	

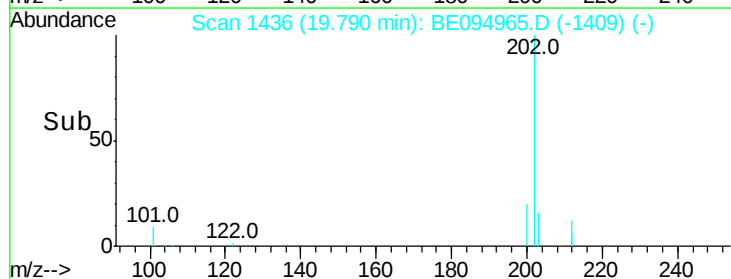
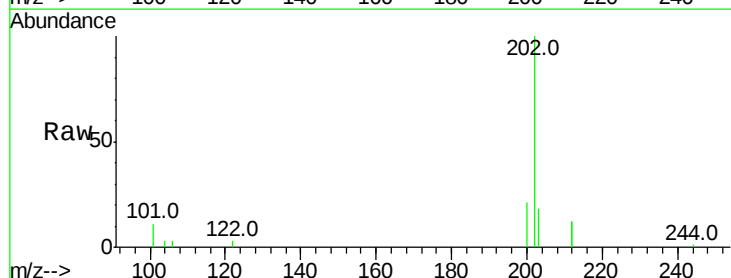
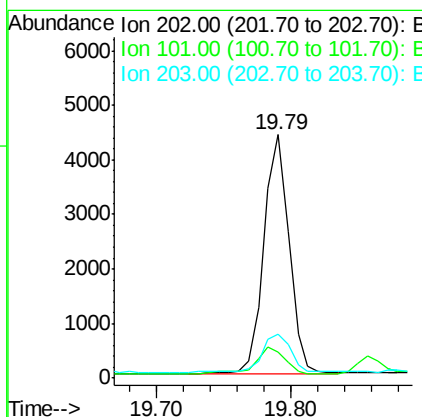
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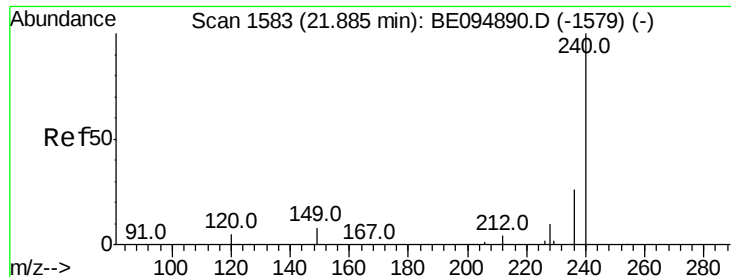
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#26
 Fluoranthene
 Concen: 0.060 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094965.D
 Acq: 9 Dec 2017 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.3	9.8	14.8	
203	19.0	13.7	20.5	





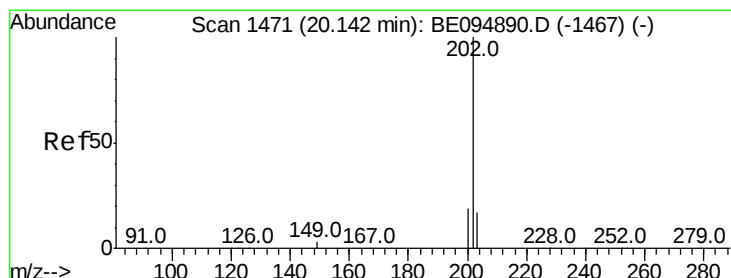
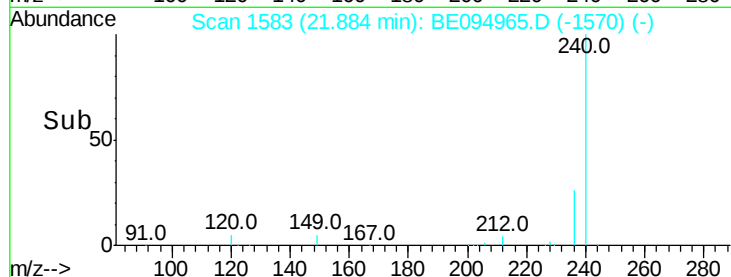
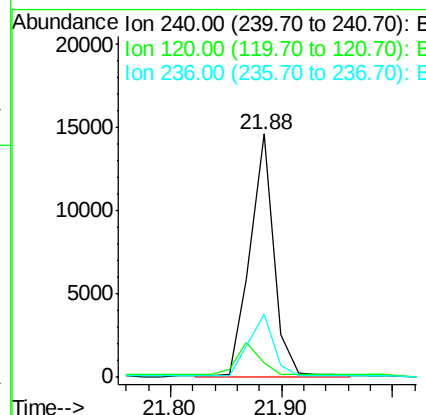
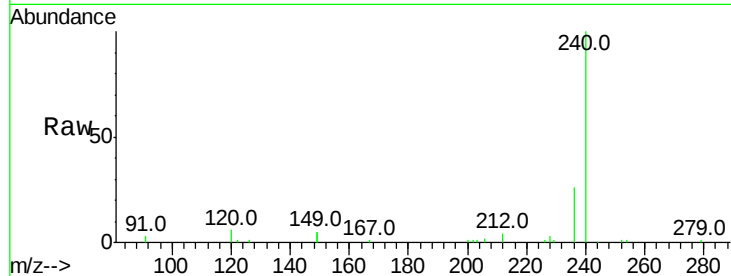
#27
Chrysene-d12
Concen: 0.400 ng/mL
RT: 21.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Instrument :
BNA_E
ClientSampleId :
FT-DUP06-20171204

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.5	8.3
236	26.2	20.7	31.1

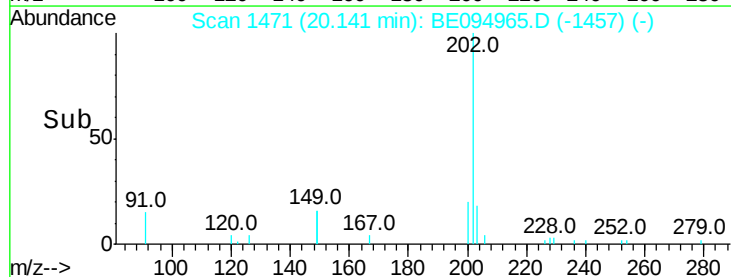
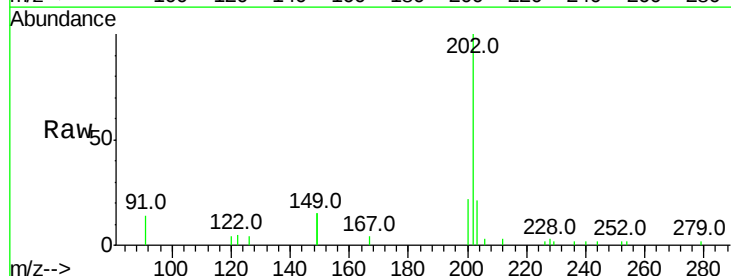
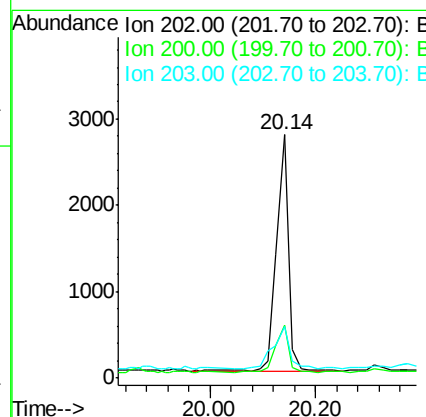
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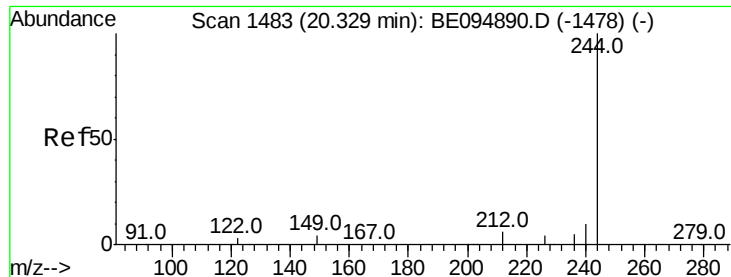
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#28
Pyrene
Concen: 0.058 ng/mL
RT: 20.14 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	26.1	13.8	20.8





#29

Terphenyl-d14

Concen: 0.661 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

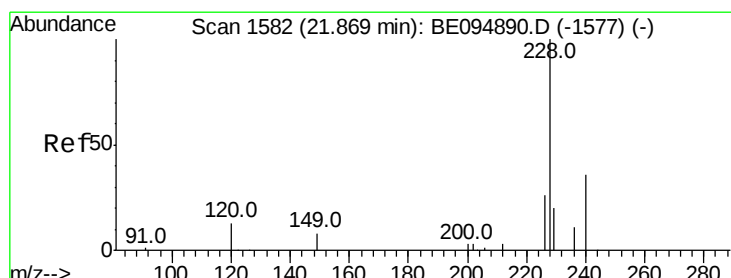
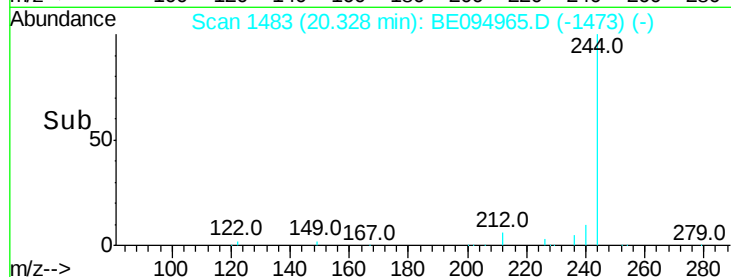
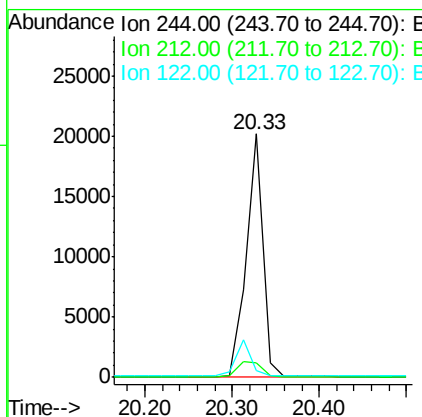
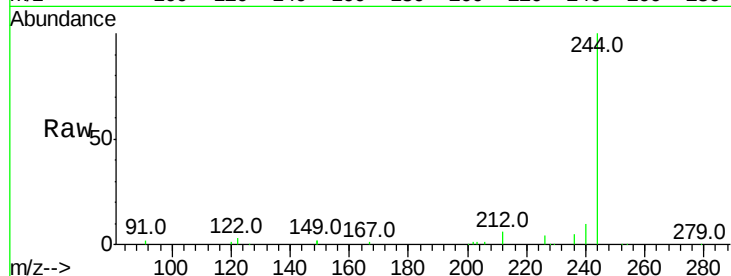
ClientSampleId :

FT-DUP06-20171204

Tot Ion:	244	Resp:	26849
Ion Ratio	Lower	Upper	
244	100		
212	6.2	25.4	38.0#
122	3.0	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.062 ng

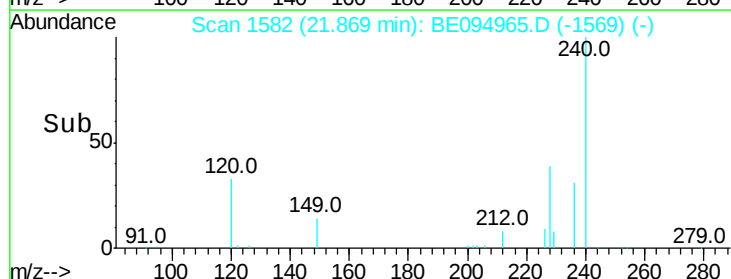
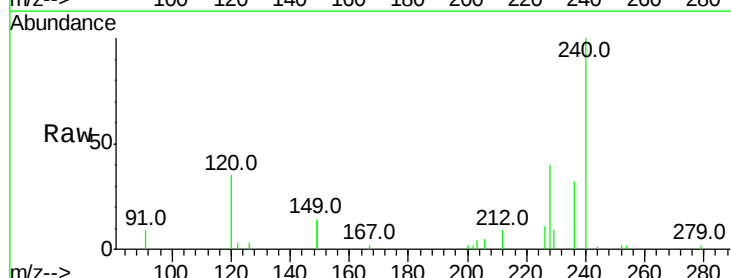
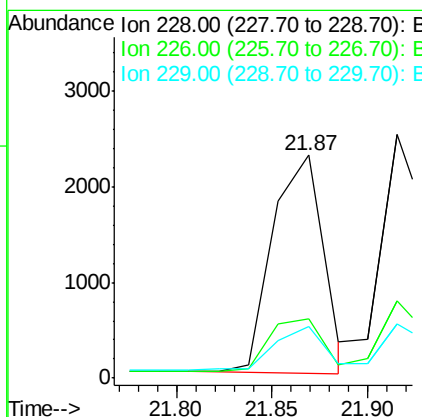
RT: 21.87 min Scan# 1582

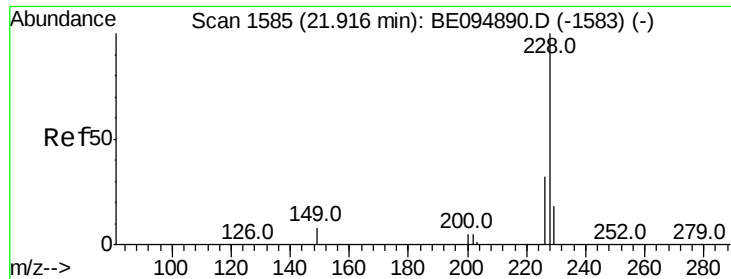
Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Tgt Ion:	228	Resp:	4183
Ion Ratio	Lower	Upper	
228	100		
226	26.7	40.0	60.0#
229	23.4	40.0	60.0#





#31

Chrysene

Concen: 0.058 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

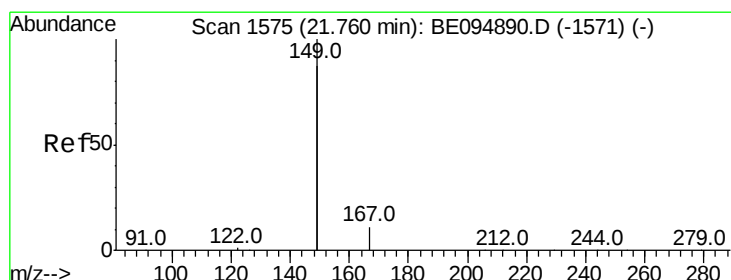
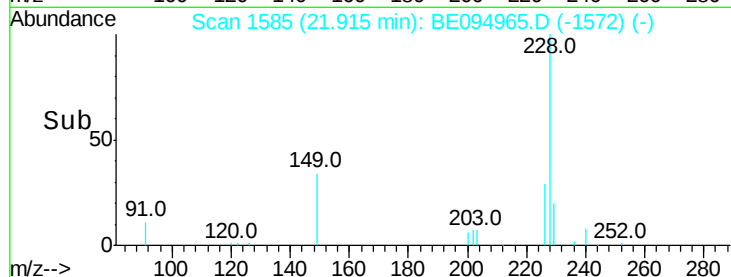
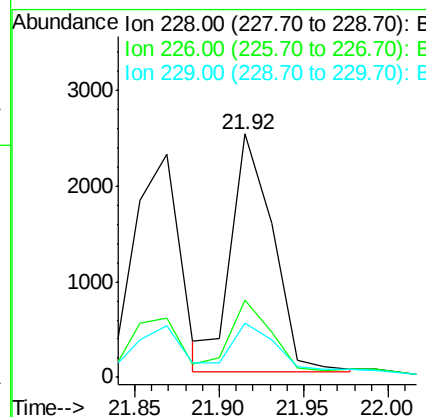
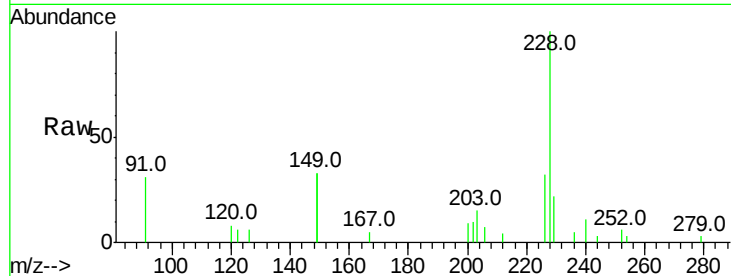
ClientSampleId :

FT-DUP06-20171204

Tot Ion:	228	Resp:	4305
Ion Ratio	Lower	Upper	
228	100		
226	31.5	40.0	60.0#
229	22.2	40.0	60.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.064 ng

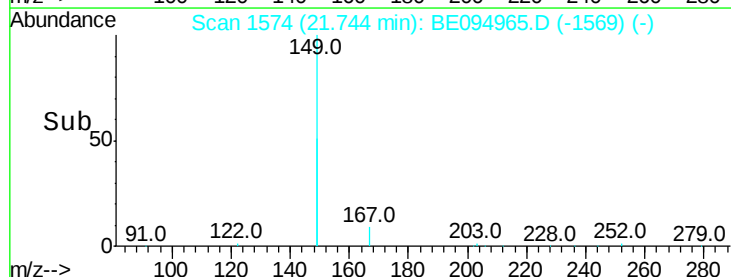
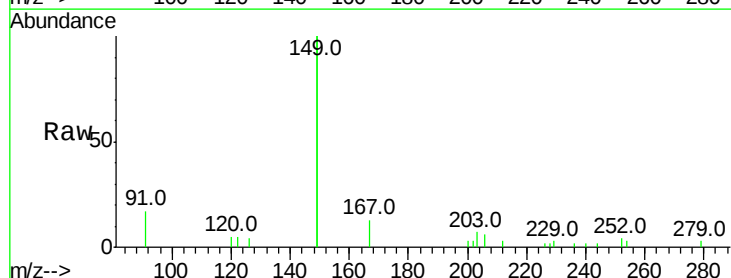
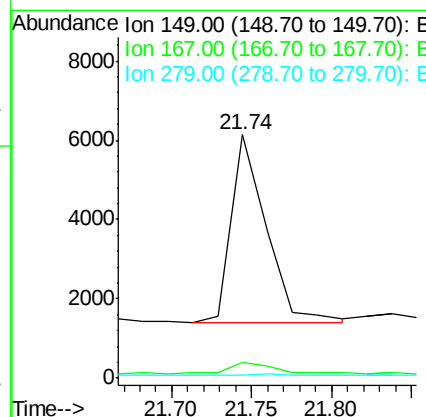
RT: 21.74 min Scan# 1574

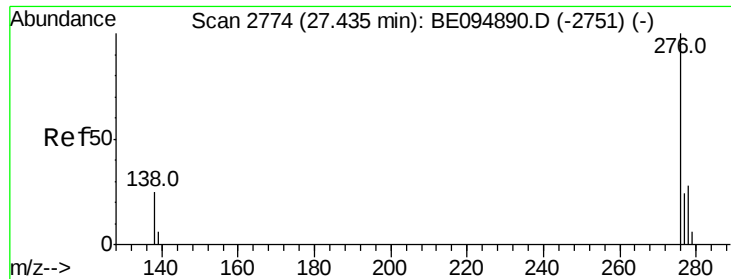
Delta R.T. -0.02 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Tgt Ion:	149	Resp:	7157
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1





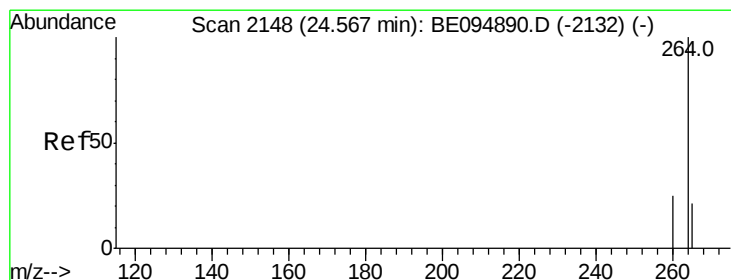
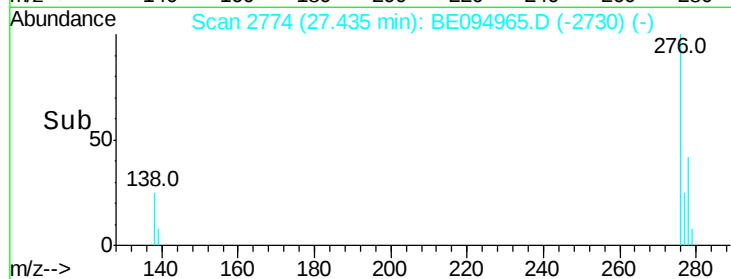
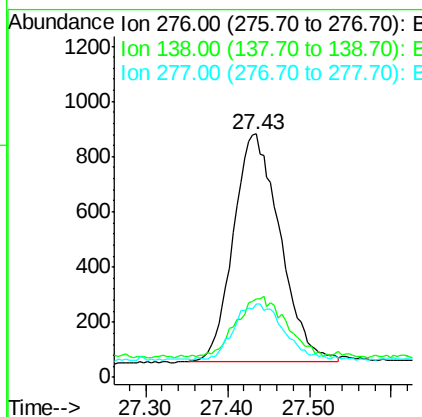
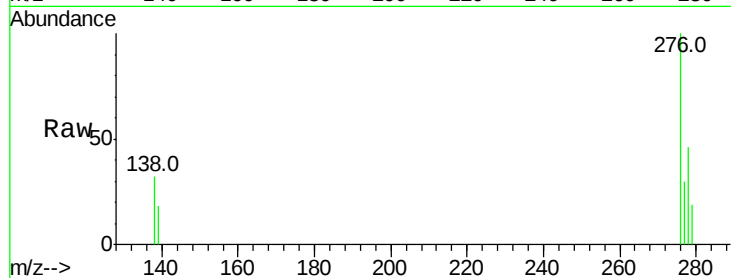
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.054 ng
 RT: 27.43 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: BE094965.D
 Acq: 9 Dec 2017 1:00

Instrument :
 BNA_E
 ClientSampleId :
 FT-DUP06-20171204

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.0	22.5	33.7
277	25.0	19.9	29.9

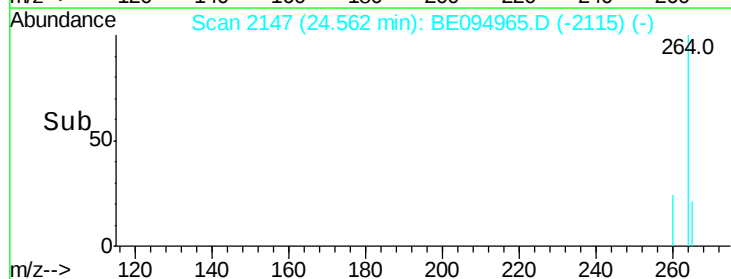
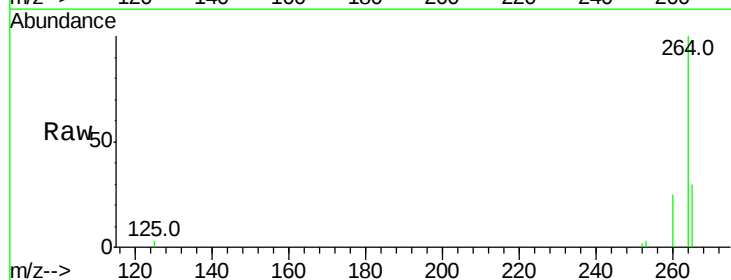
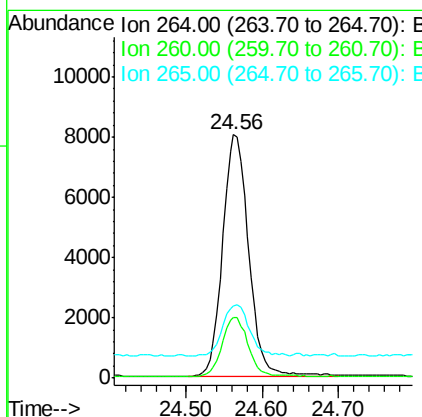
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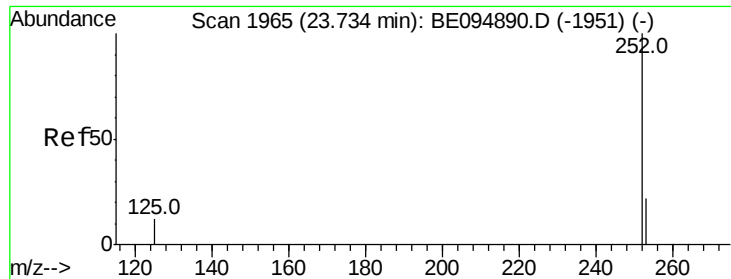
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: BE094965.D
 Acq: 9 Dec 2017 1:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.5	30.7
265	29.9	22.8	34.2





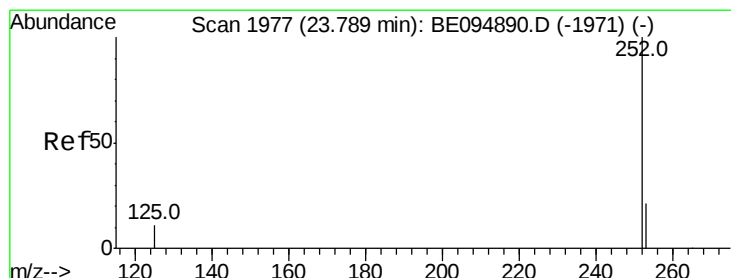
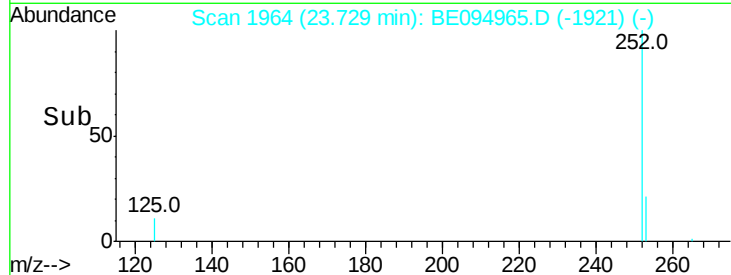
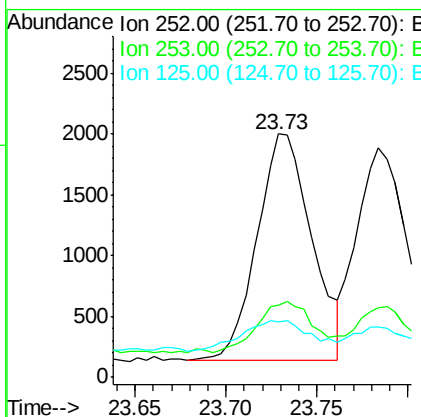
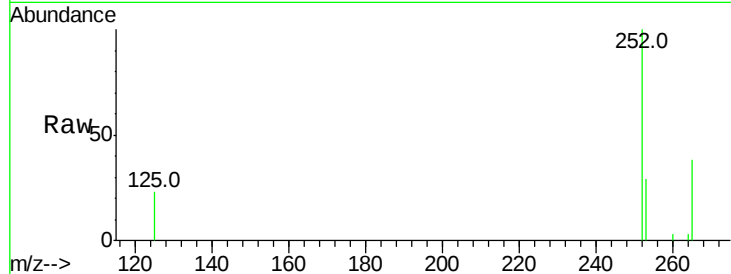
#35
Benzo(b)fluoranthene
Concen: 0.056 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Instrument :
BNA_E
ClientSampleId :
FT-DUP06-20171204

Tot Ion:252 Resp: 3889
Ion Ratio Lower Upper
252 100
253 29.5 48.0 72.0#
125 22.8 56.0 84.0#

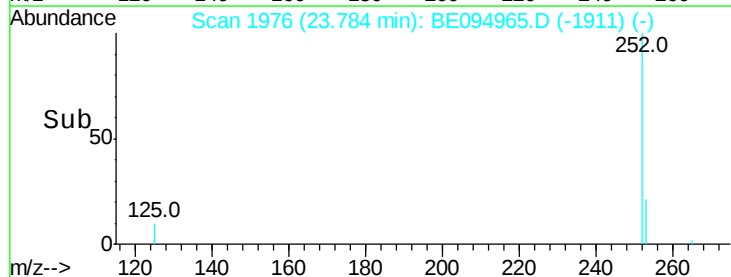
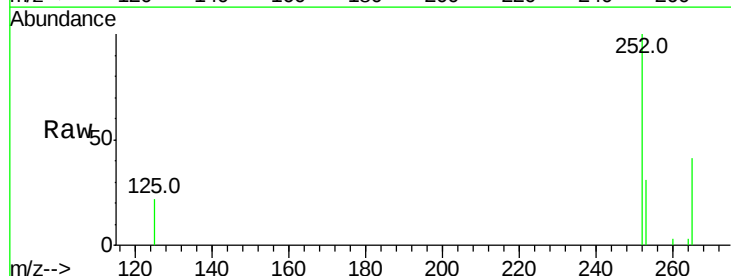
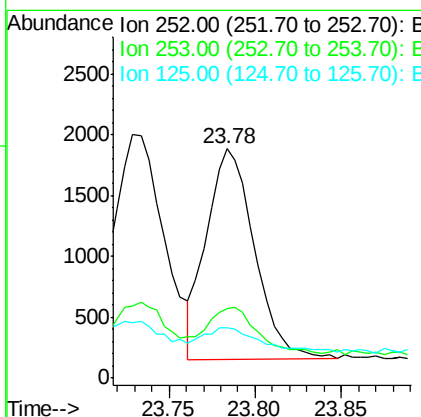
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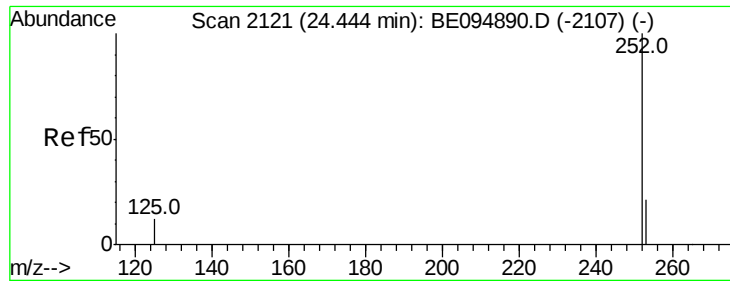
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#36
Benzo(k)fluoranthene
Concen: 0.047 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Tgt Ion:252 Resp: 3353
Ion Ratio Lower Upper
252 100
253 30.6 48.0 72.0#
125 21.7 56.0 84.0#





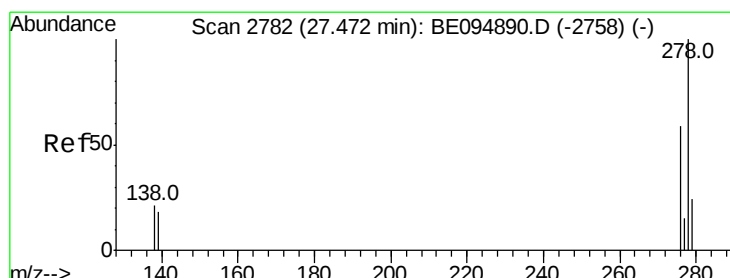
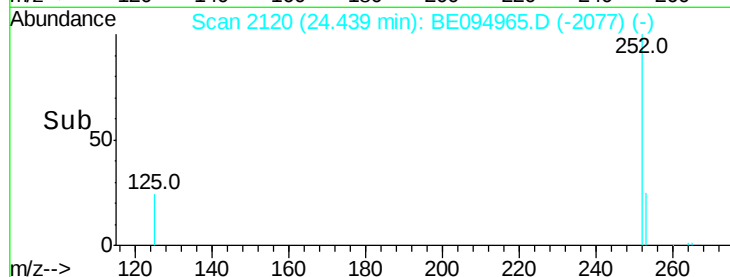
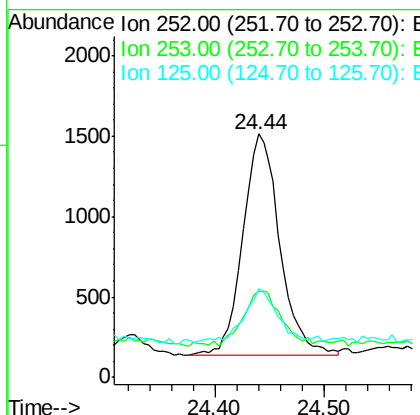
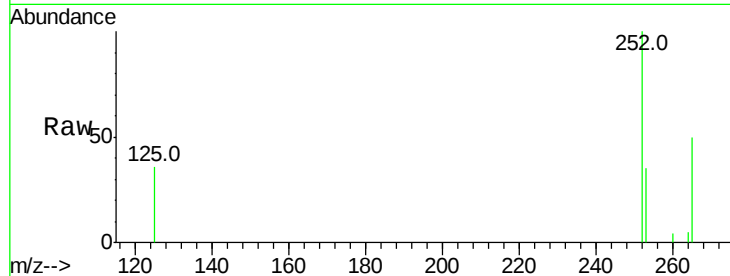
#37
Benzo(a)pyrene
Concen: 0.053 ng
RT: 24.44 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Instrument :
BNA_E
ClientSampleId :
FT-DUP06-20171204

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.5	52.0	78.0#
125	36.5	68.0	102.0#

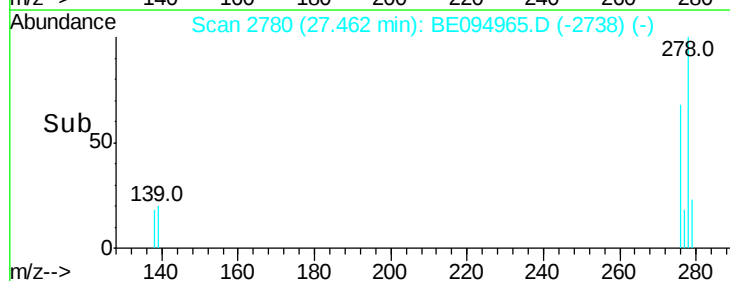
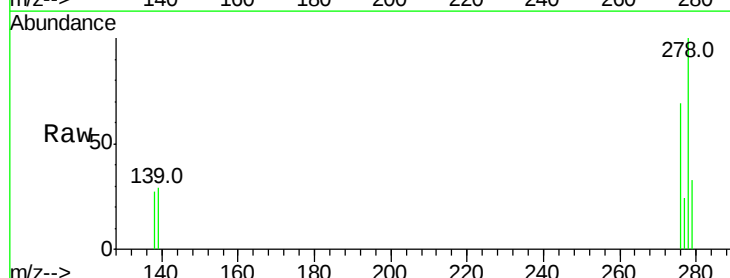
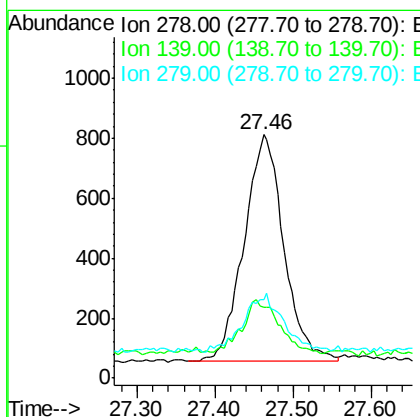
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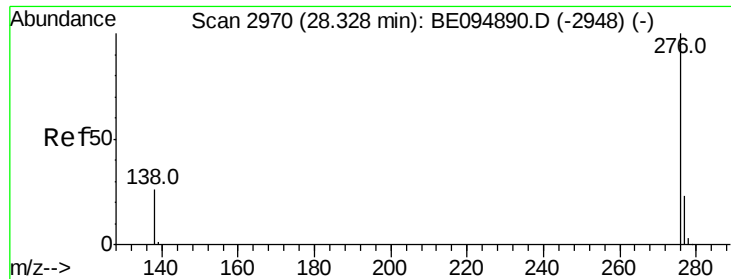
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#38
Dibenzo(a,h)anthracene
Concen: 0.048 ng
RT: 27.46 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BE094965.D
Acq: 9 Dec 2017 1:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.3	56.0	84.0#
279	32.5	52.0	78.0#





#39

Benzo(a,h,i)perylene

Concen: 0.053 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094965.D

Acq: 9 Dec 2017 1:00

Instrument :

BNA_E

ClientSampleId :

FT-DUP06-20171204

Tot Ion:	276	Resp:	2977
Ion Ratio	Lower	Upper	
276	100		
277	30.9	52.0	78.0#
138	30.5	44.0	66.0#

Manual Integrations
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