

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094966.D
 Acq On : 9 Dec 2017 1:36
 Operator : SJ/JU
 Sample : I6740-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204

Manual Integrations
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 12/11/2017 6:18:22 PM

Quant Time: Dec 09 03:13:30 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	8025	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17170	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9997	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	23943	0.40	ng	0.00
27) Chrysene-d12	21.89	240	24553m	0.40	ng	0.00
34) Perylene-d12	24.56	264	20757	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2287	0.18	ng	0.00
5) Phenol-d6	7.60	99	2353	0.13	ng	0.00
8) Nitrobenzene-d5	9.66	82	6479	0.64	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	10970	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1271	0.57	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	28646	0.67	ng	0.00
25) Fluoranthene-d10	19.76	212	129144	0.39	ng	0.00
29) Terphenyl-d14	20.33	244	35860	0.79	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.67	88	31091	3.703	ng	Qvalue # 86
18) Fluorene	16.10	166	1216	0.026	ng	# 81
22) Pentachlorophenol	17.43	266	489	0.247	ng	# 79
23) Phenanthrene	17.82	178	5988	0.078	ng	93
24) Anthracene	17.91	178	2309m	0.029	ng	
26) Fluoranthene	19.79	202	4126	0.042	ng	97
28) Pyrene	20.14	202	3309	0.039	ng	# 89
30) Benzo(a)anthracene	21.87	228	4647	0.062	ng	# 65
31) Chrysene	21.92	228	5213m	0.063	ng	
32) Bis(2-ethylhexyl)phthalate	21.75	149	10712	0.086	ng	99
33) Indeno(1,2,3-cd)pyrene	27.44	276	3978	0.058	ng	99
35) Benzo(b)fluoranthene	23.73	252	4533	0.060	ng	# 50
36) Benzo(k)fluoranthene	23.78	252	3999	0.052	ng	# 50
38) Dibenzo(a,h)anthracene	27.46	278	3270	0.053	ng	# 52
39) Benzo(a,h,i)perylene	28.33	276	3506	0.057	ng	# 58

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

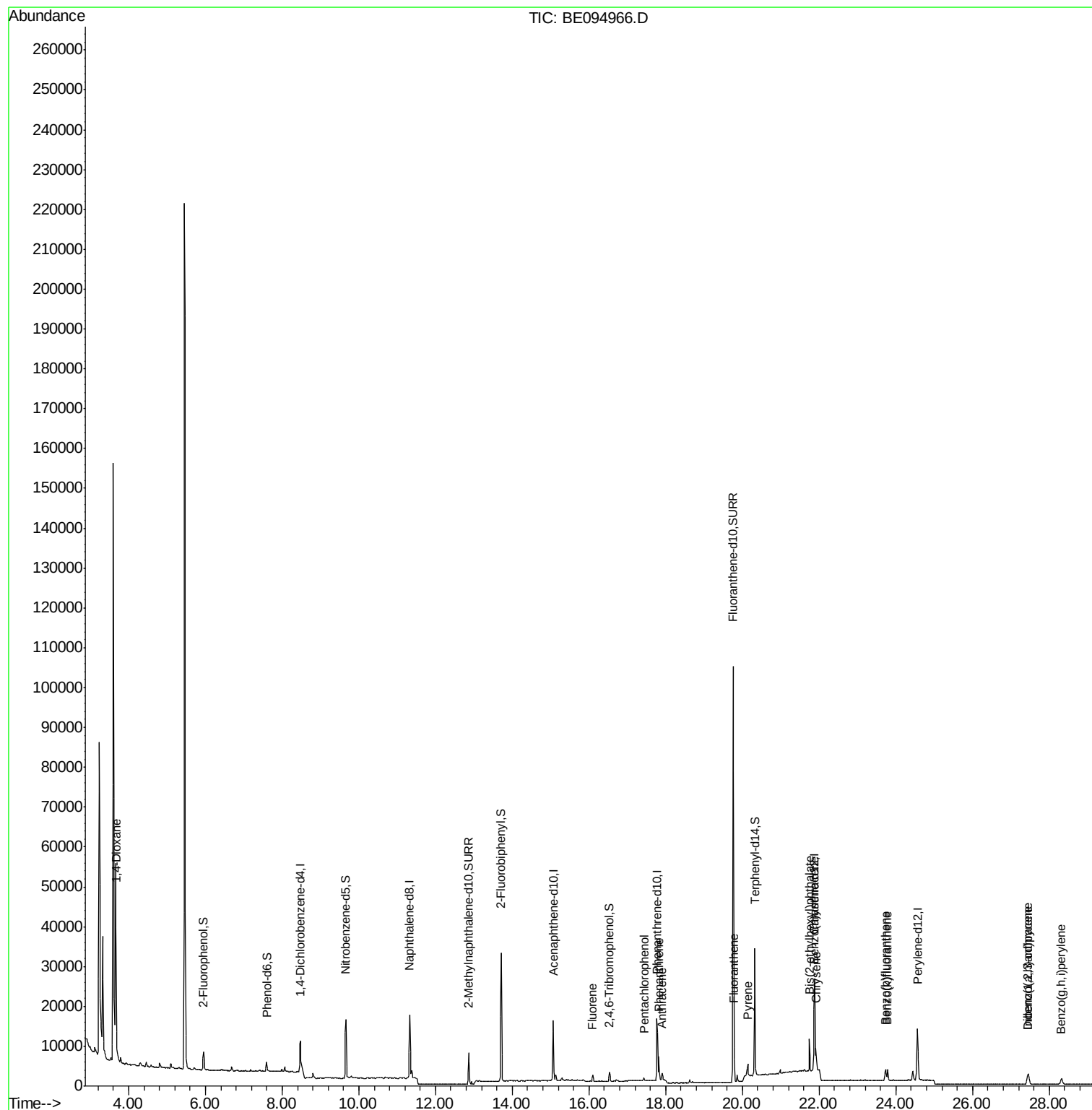
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094966.D
Acq On : 9 Dec 2017 1:36
Operator : SJ/JU
Sample : I6740-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

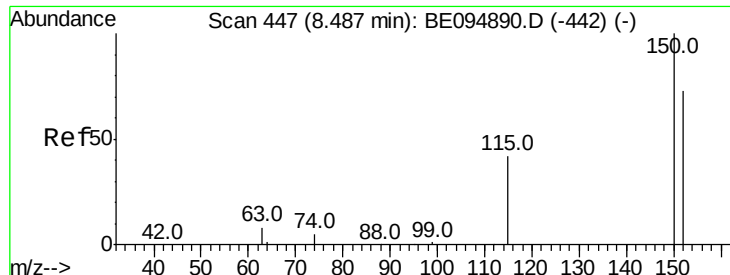
Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204

Manual Integrations
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Quant Time: Dec 09 03:13:30 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

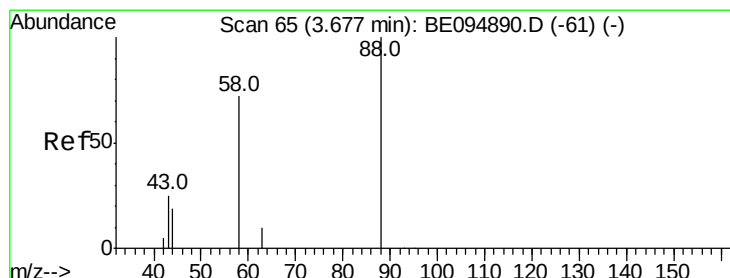
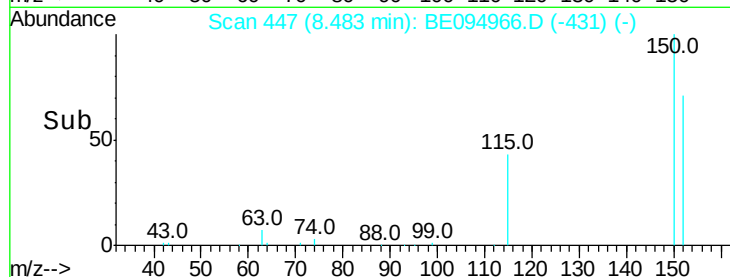
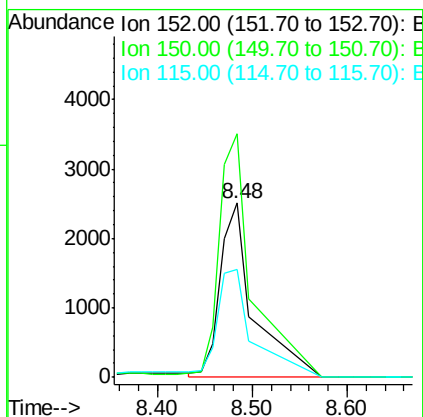
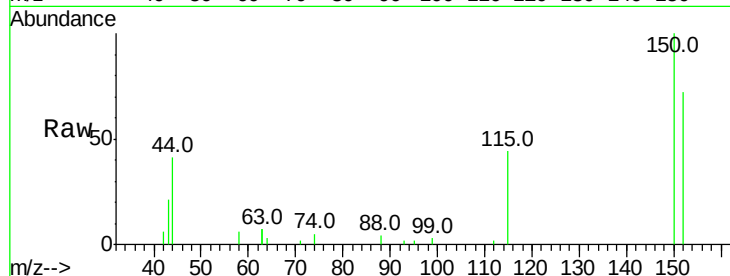
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	152	Resp:	8025
Ion	Ratio	Lower	Upper
152	100		
150	139.6	117.2	175.8
115	62.0	57.0	85.6

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#2

1,4-Dioxane

Concen: 3.703 ng

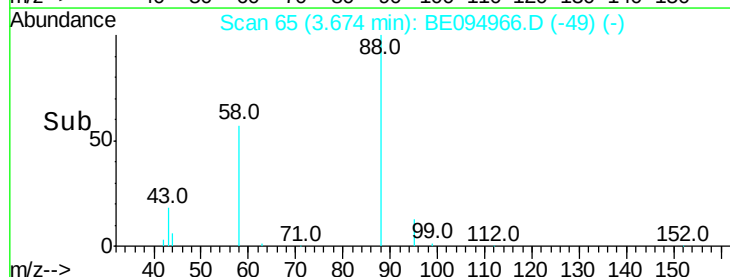
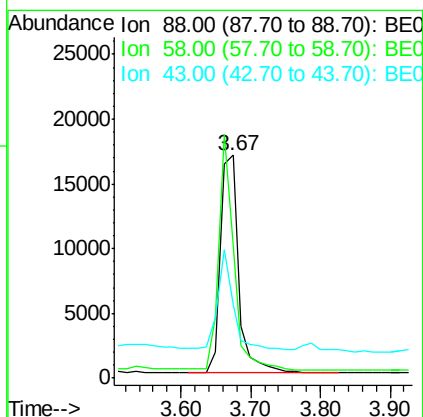
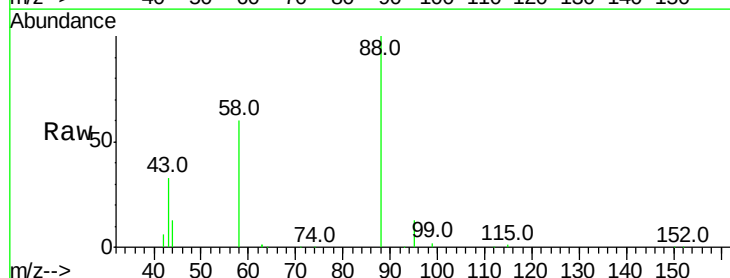
RT: 3.67 min Scan# 65

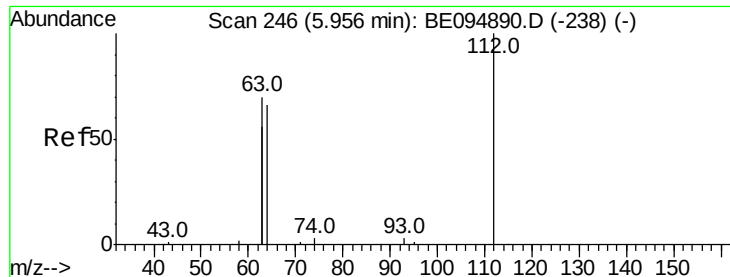
Delta R.T. -0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	88	Resp:	31091
Ion	Ratio	Lower	Upper
88	100		
58	88.6	63.2	94.8
43	38.0	41.2	61.8#





#4

2-Fluorophenol

Concen: 0.180 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

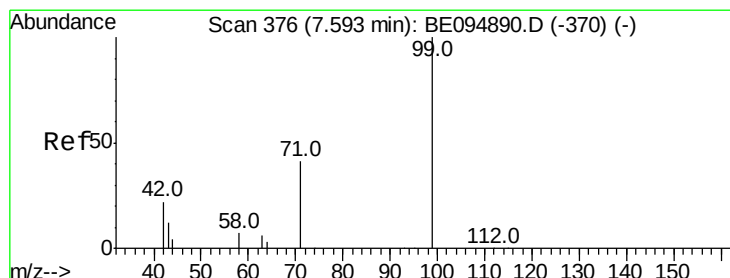
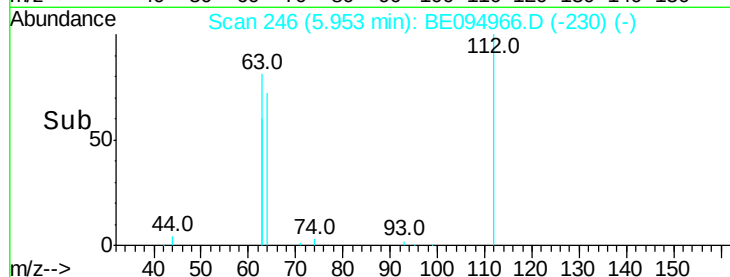
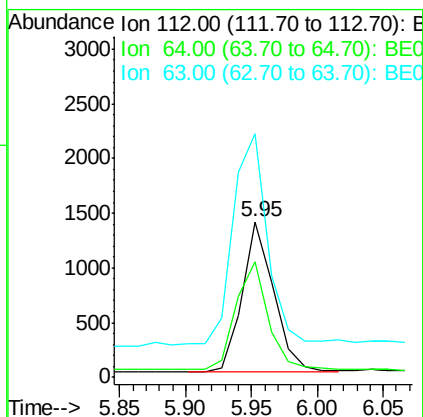
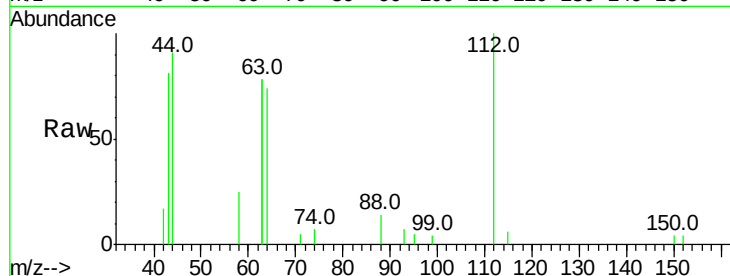
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	112	Resp:	2287
Ion Ratio	Lower	Upper	
112	100		
64	76.5	60.1	90.1
63	152.4	116.8	175.2

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#5

Phenol-d6

Concen: 0.125 ng

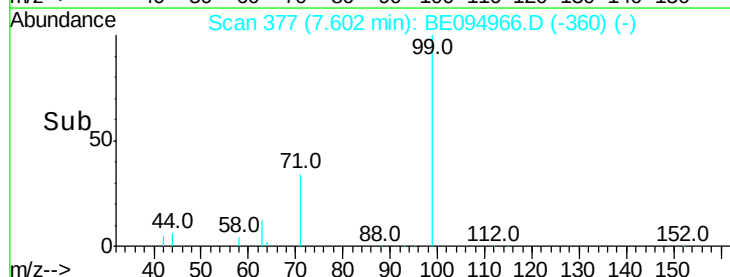
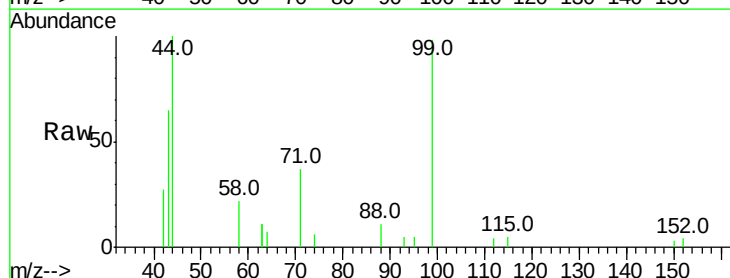
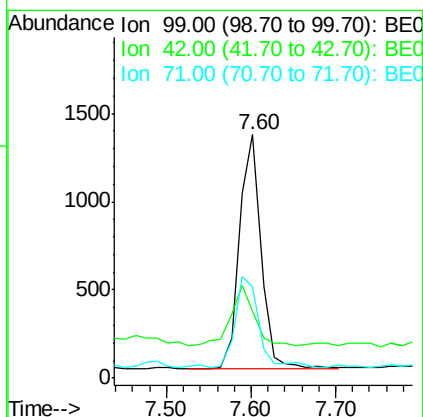
RT: 7.60 min Scan# 377

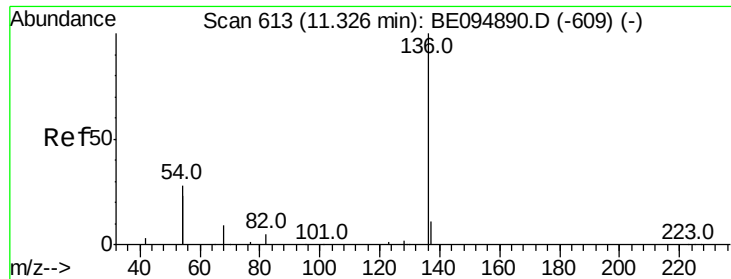
Delta R.T. 0.01 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	99	Resp:	2353
Ion Ratio	Lower	Upper	
99	100		
42	28.3	20.2	30.2
71	43.4	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: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

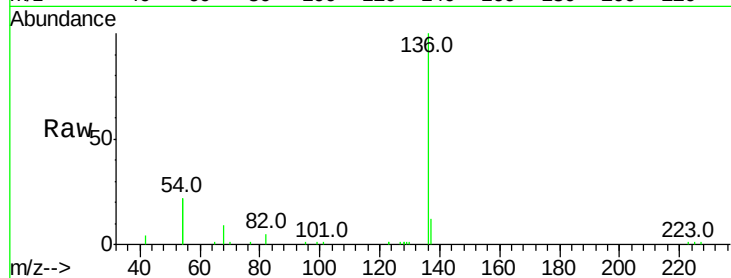
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion	Ratio	Resp	Lower	Upper
136	100	17170		
137	11.5		9.5	14.3
54	43.4		29.1	43.7
68	8.9		6.2	9.2

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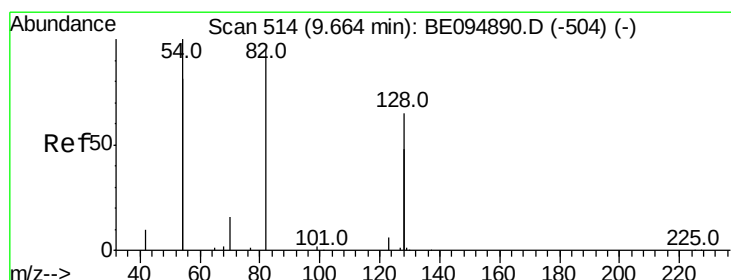
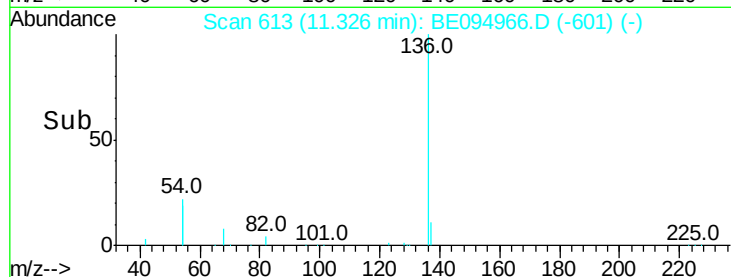
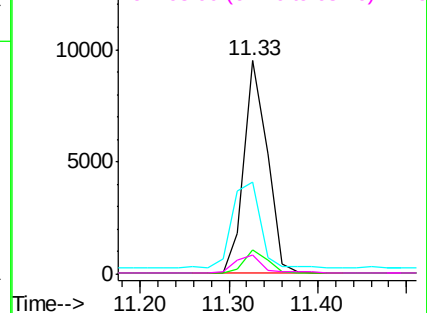


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.637 ng

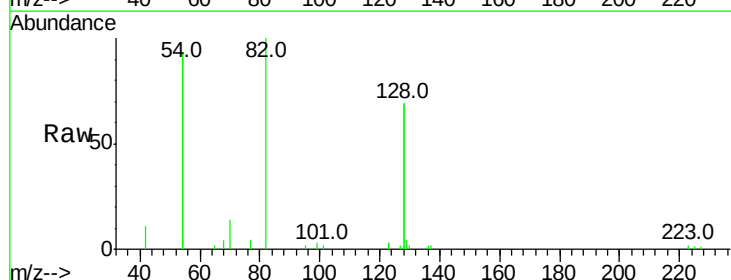
RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

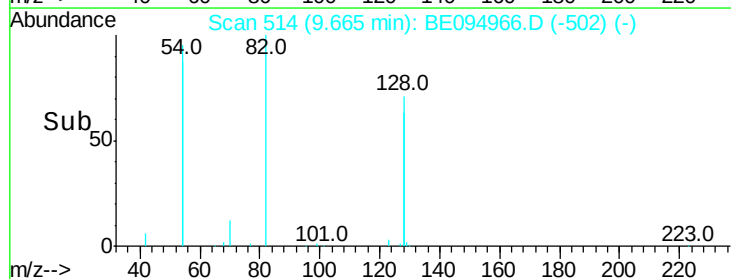
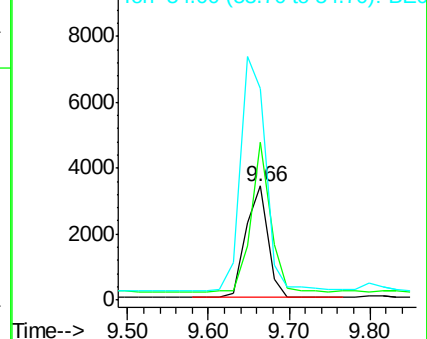
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	6479		
128	138.1		150.0	225.0#
54	186.3		154.2	231.4

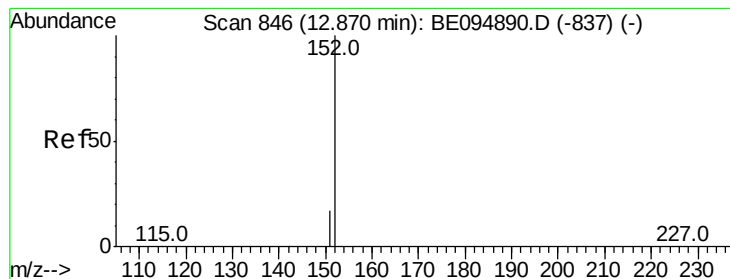


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:152 Resp: 10970

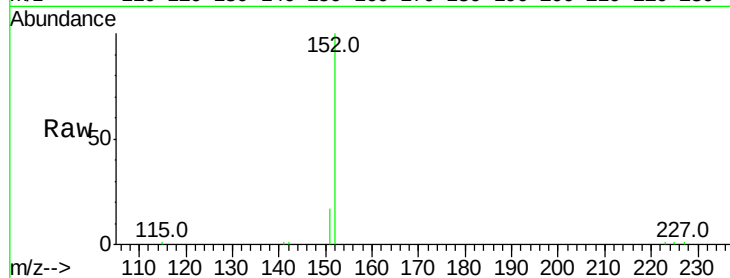
Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.86

8000

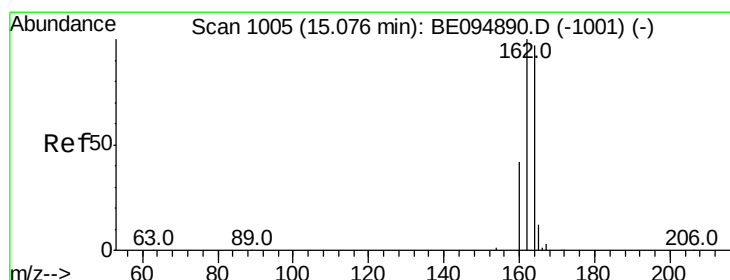
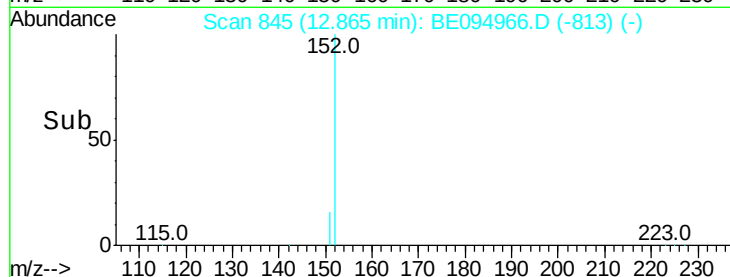
6000

4000

2000

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

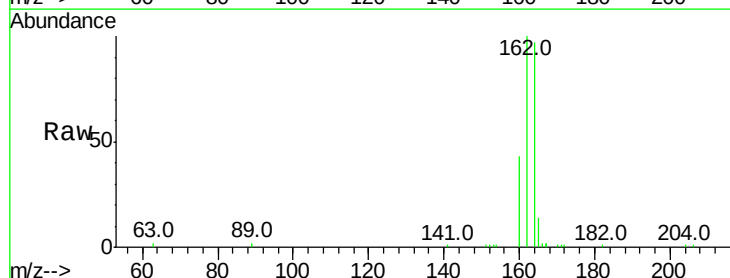
Tgt Ion:164 Resp: 9997

Ion Ratio Lower Upper

164 100

162 103.4 83.1 124.7

160 44.8 37.1 55.7



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

15.08

8000

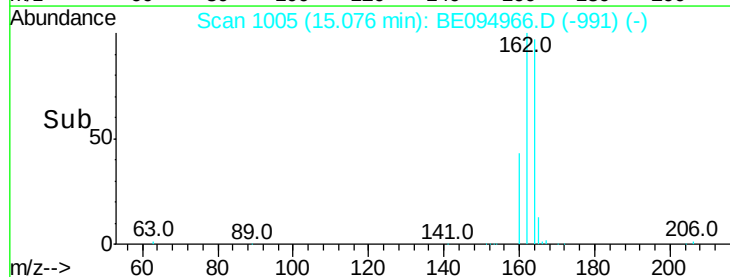
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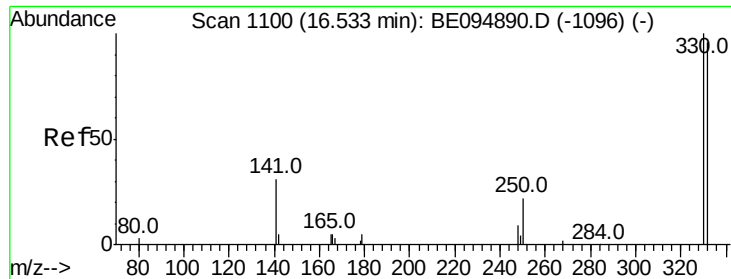
4000

2000

0

Time-->





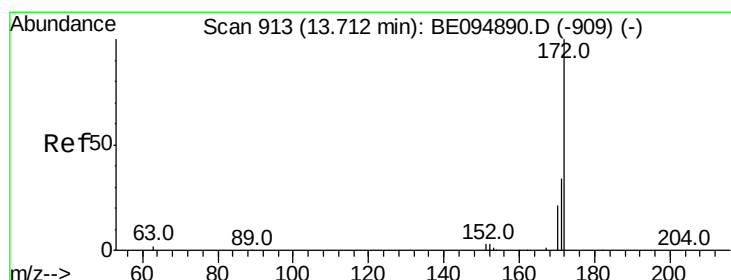
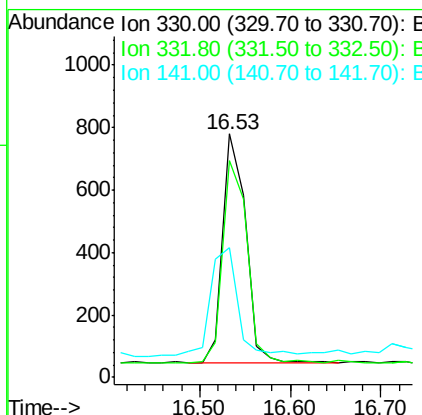
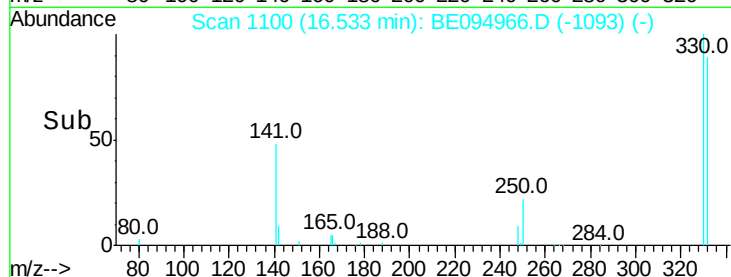
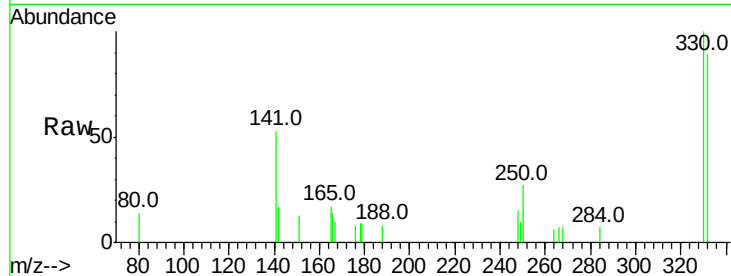
#14
 2,4,6-Tribromophenol
 Concen: 0.571 ng
 RT: 16.53 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	152.7	229.1#
141	56.2	33.7	50.5#

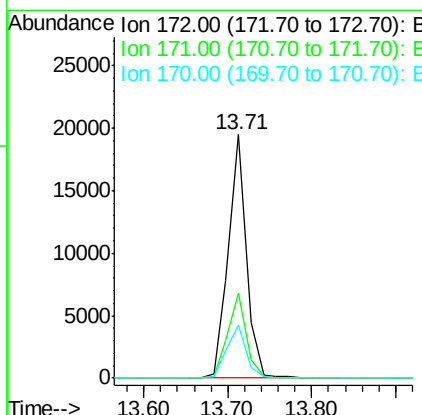
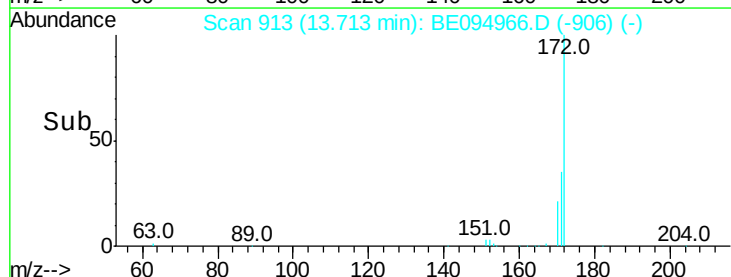
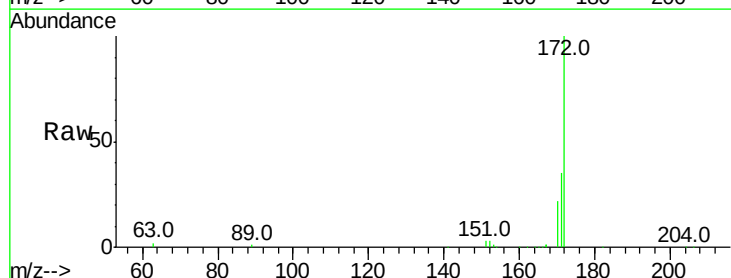
Manual Integrations
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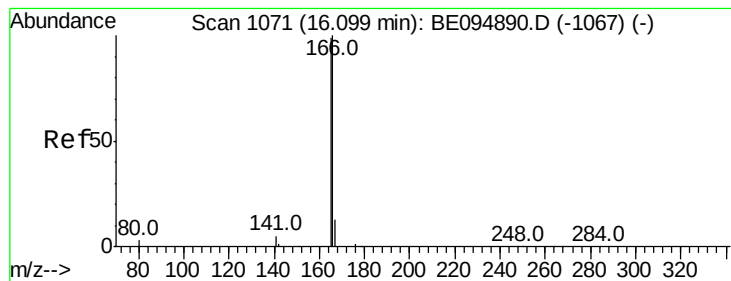
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#15
 2-Fluorobiphenyl
 Concen: 0.669 ng
 RT: 13.71 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	21.6	21.8	32.8#





#18

Fluorene

Concen: 0.026 ng

RT: 16.10 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

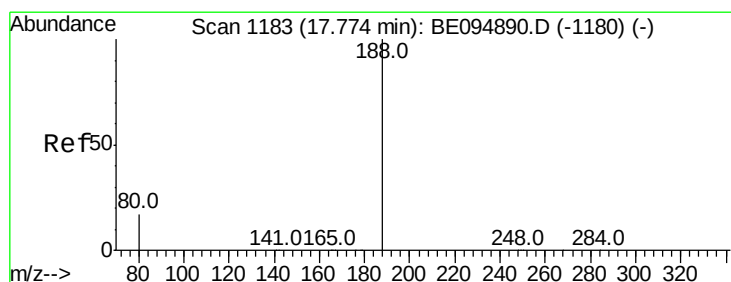
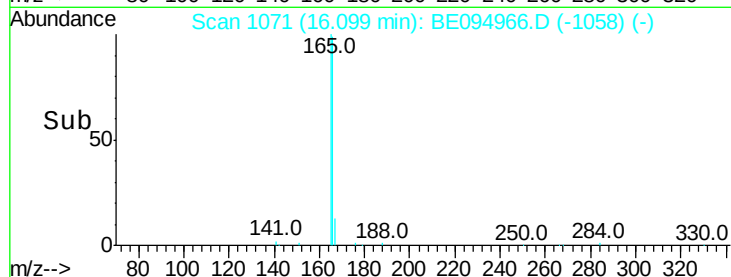
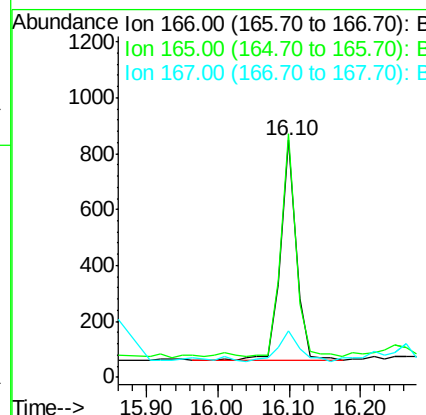
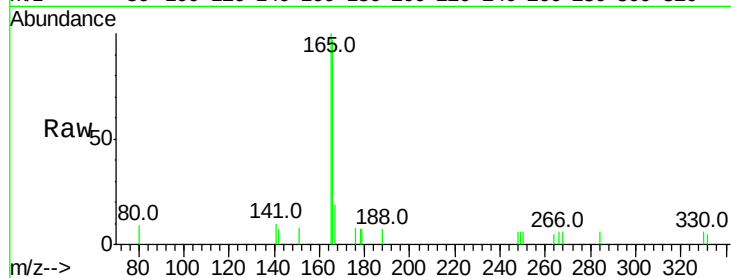
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	166	Resp:	1216
Ion Ratio	Lower	Upper	
166	100		
165	94.9	77.8	116.6
167	18.8	42.4	63.6#

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#19

Phenanthrene-d10

Concen: 0.400 ng

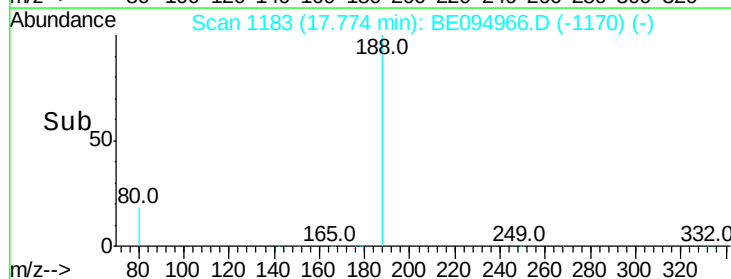
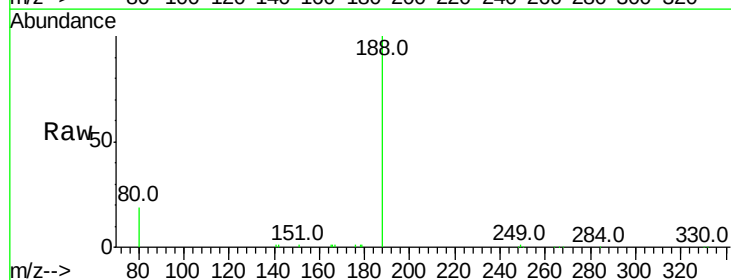
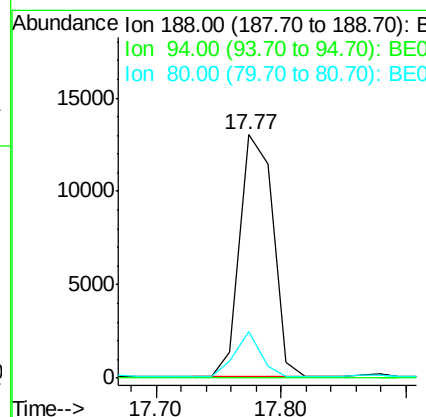
RT: 17.77 min Scan# 1183

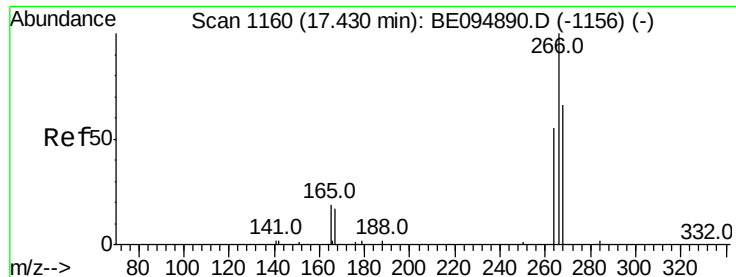
Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	188	Resp:	23943
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	19.0	3.6	5.4#





#22

Pentachlorophenol

Concen: 0.247 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

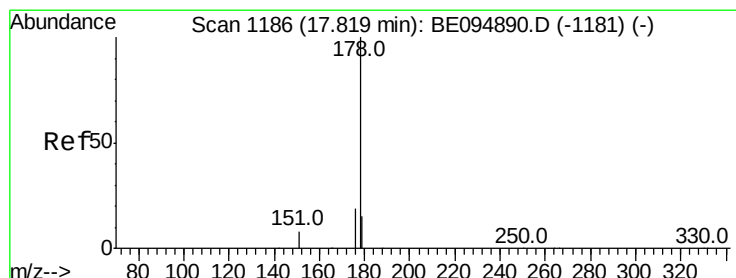
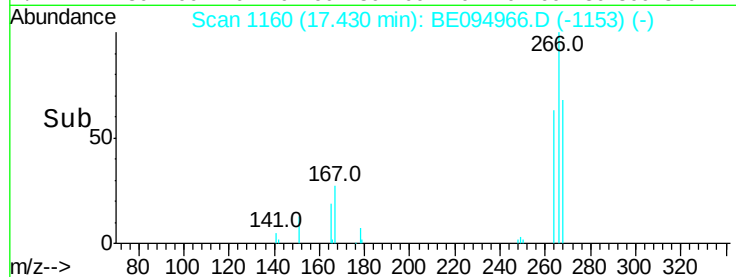
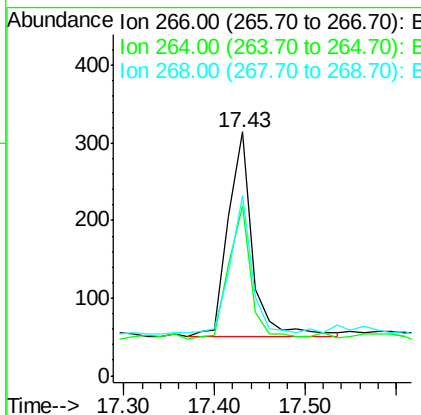
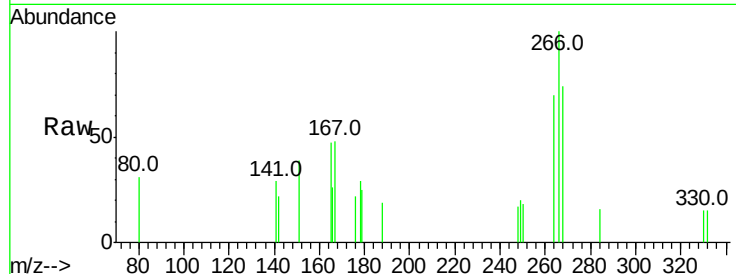
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	266	Resp:	489
Ion Ratio	Lower	Upper	
266	100		
264	69.7	72.5	108.7#
268	73.9	73.8	110.6

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#23

Phenanthrene

Concen: 0.078 ng

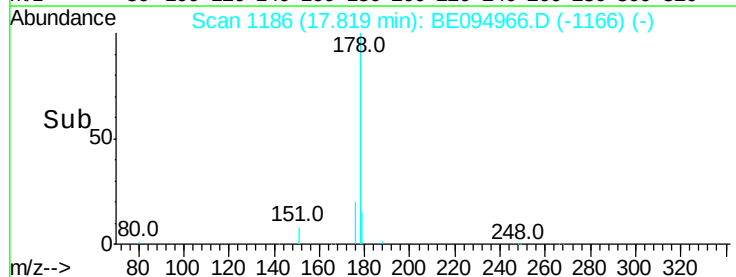
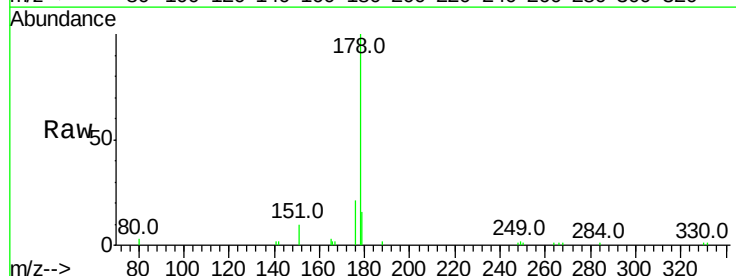
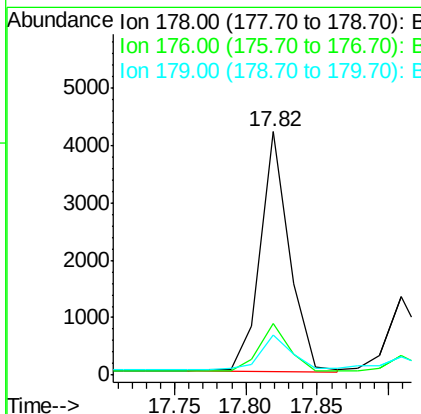
RT: 17.82 min Scan# 1186

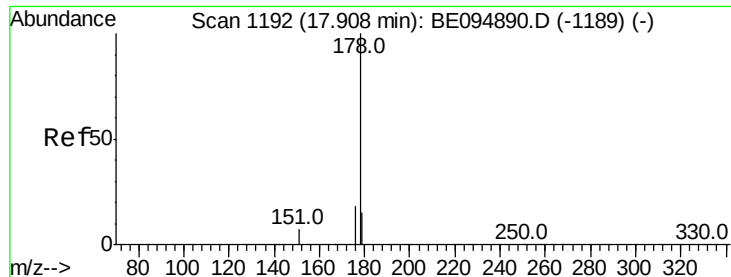
Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	178	Resp:	5988
Ion Ratio	Lower	Upper	
178	100		
176	22.5	15.1	22.7
179	17.3	11.8	17.6





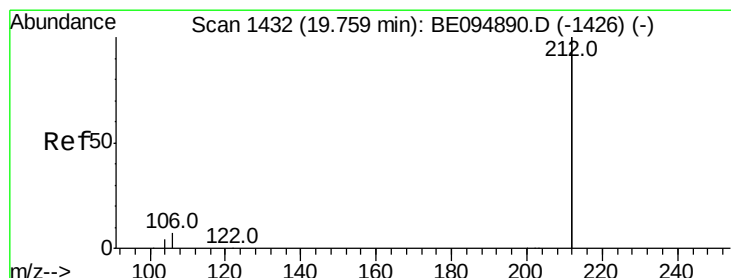
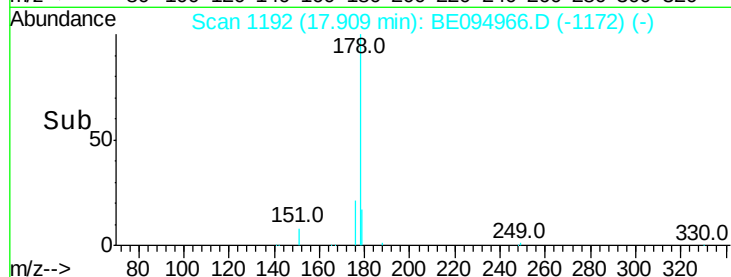
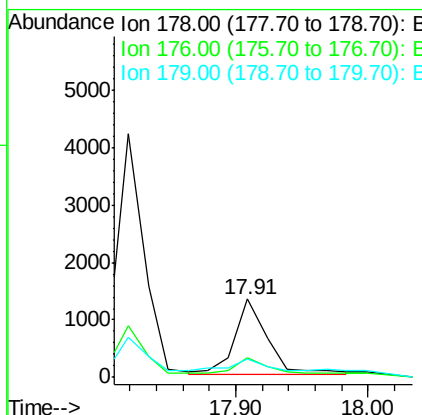
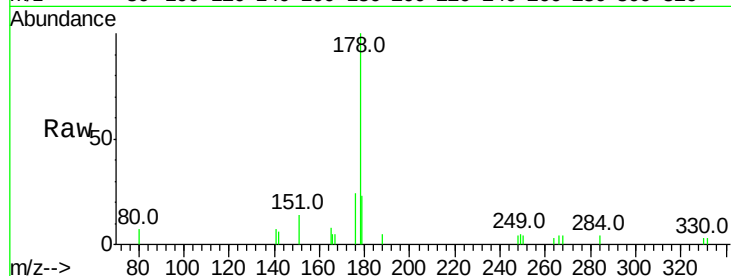
#24
 Anthracene
 Concen: 0.029 ng/ml
 RT: 17.91 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
178	100		
176	44.5	12.8	19.2#
179	61.1	13.0	19.6#

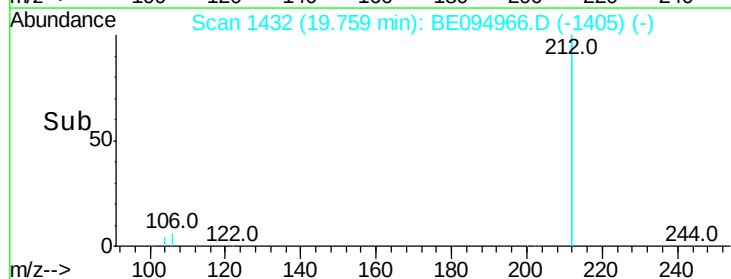
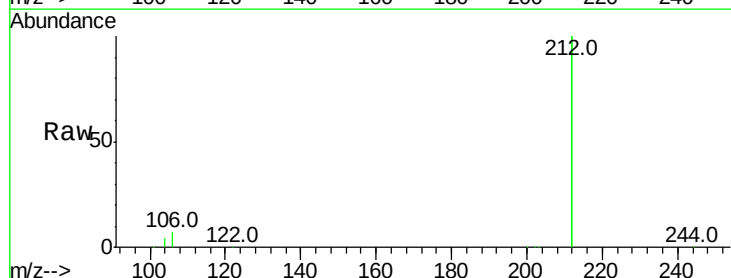
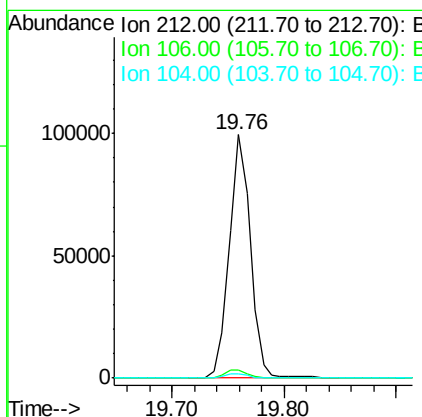
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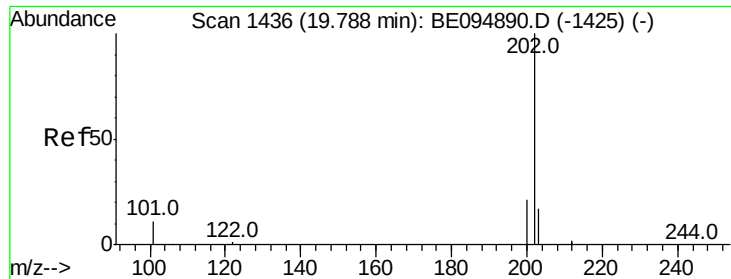
Sohil
 12/11/2017 6:18:22 PM



#25
 Fluoranthene-d10
 Concen: 0.395 ng
 RT: 19.76 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

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





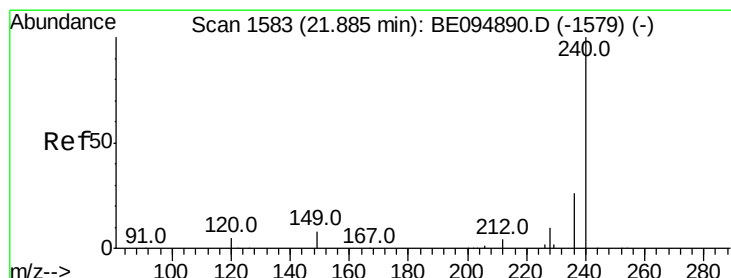
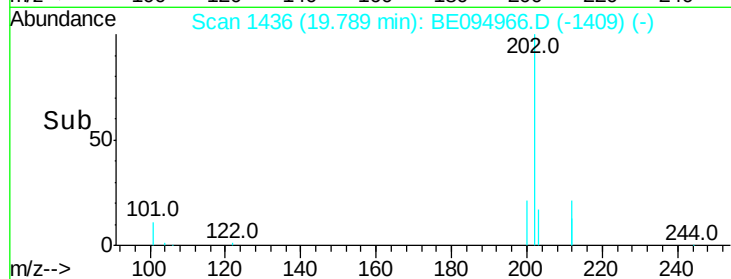
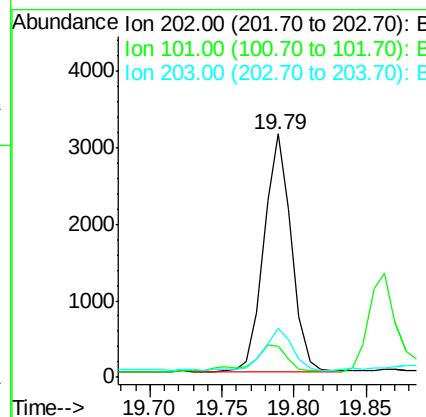
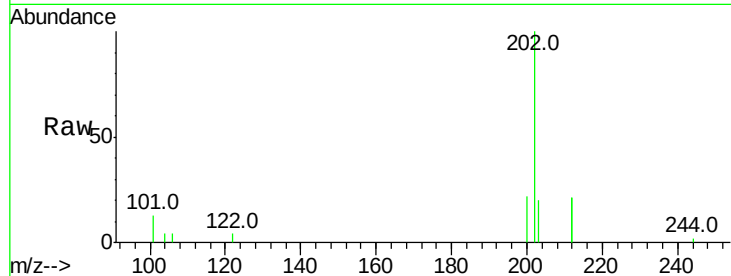
#26
Fluoranthene
 Concen: 0.042 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.8	14.8
203	18.1	13.7	20.5

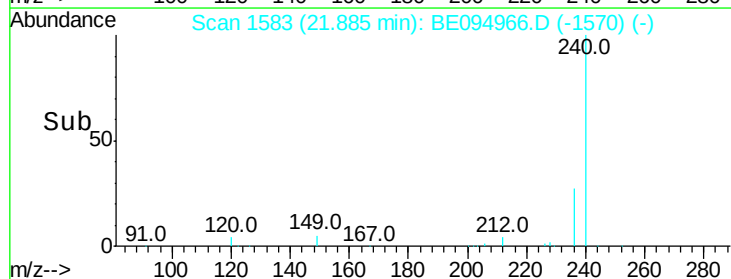
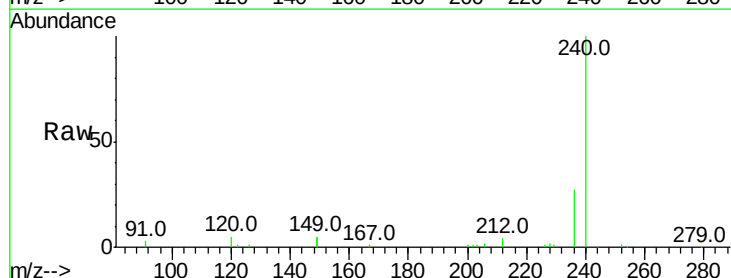
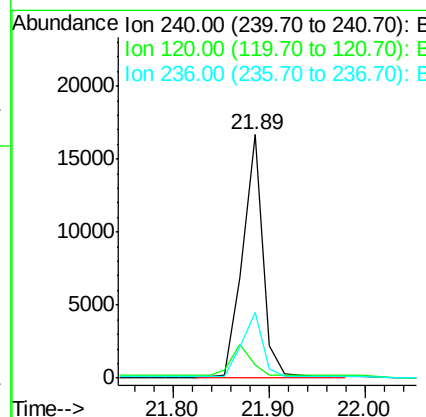
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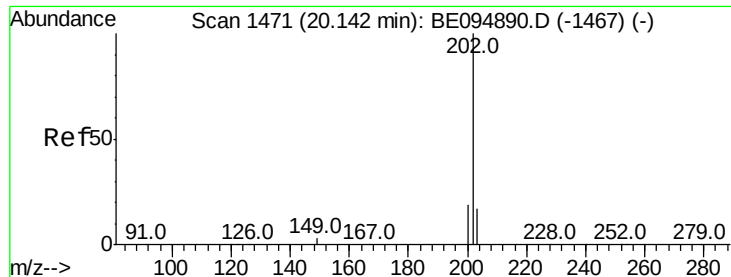
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng m
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.5	8.3#
236	26.9	20.7	31.1





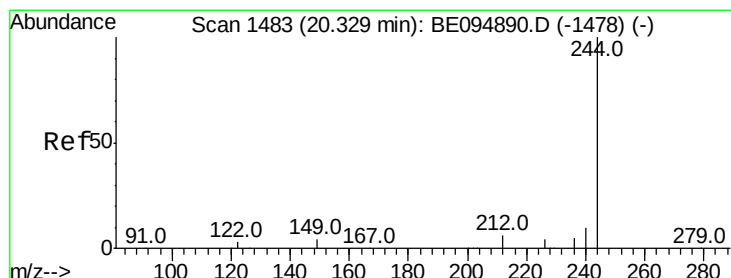
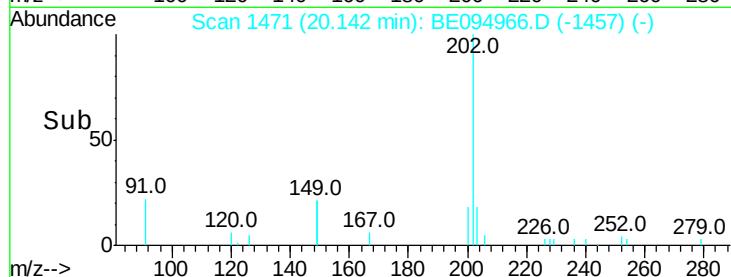
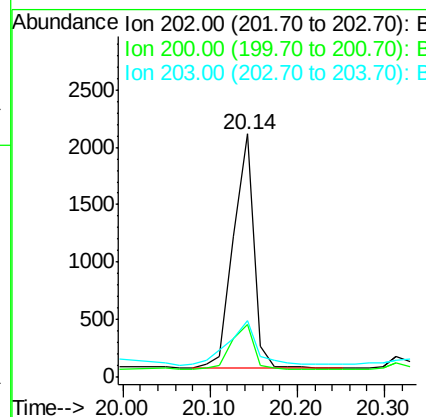
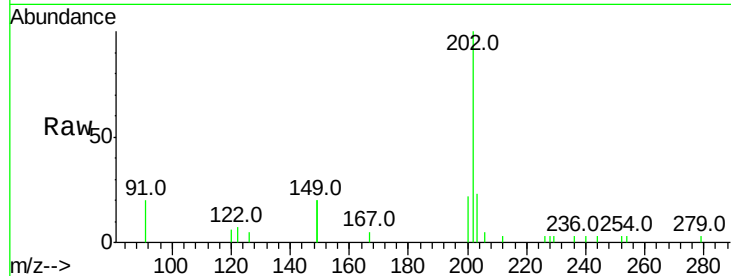
#28
Pvrene
Concen: 0.039 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094966.D
Acq: 9 Dec 2017 1:36

Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	26.4	13.8	20.8

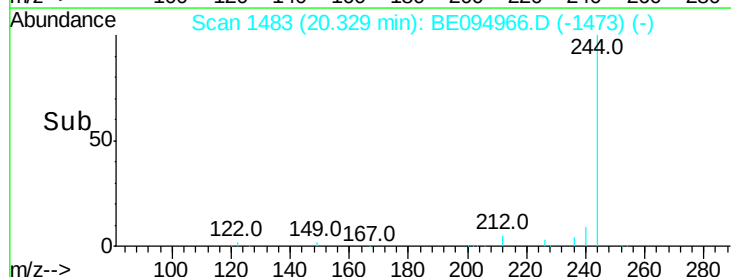
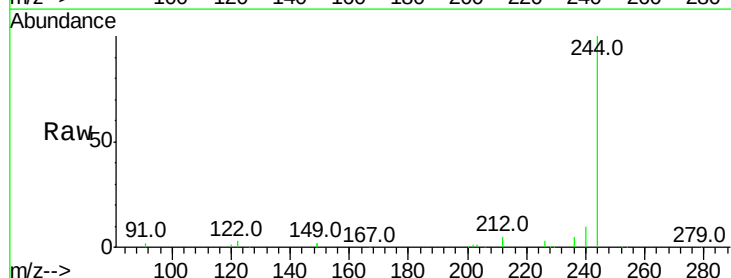
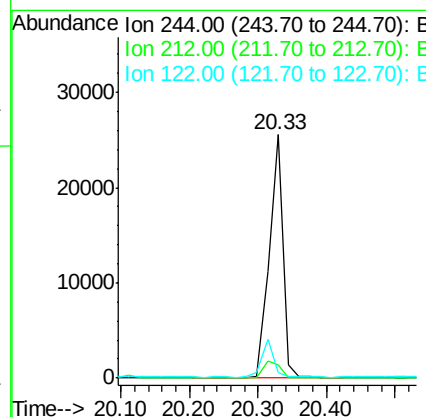
Manual Integrations
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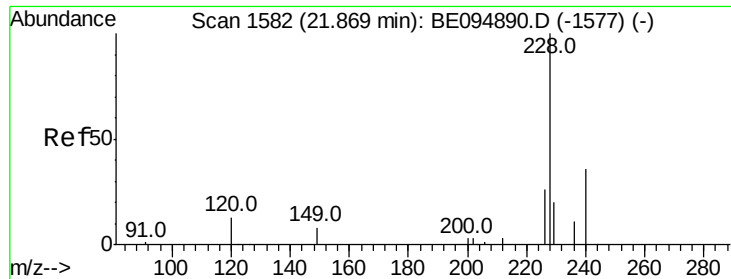
Sohil
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#29
Terphenyl-d14
Concen: 0.791 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094966.D
Acq: 9 Dec 2017 1:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.4	25.4	38.0
122	2.5	8.1	12.1





#30

Benzo(a)anthracene

Concen: 0.062 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

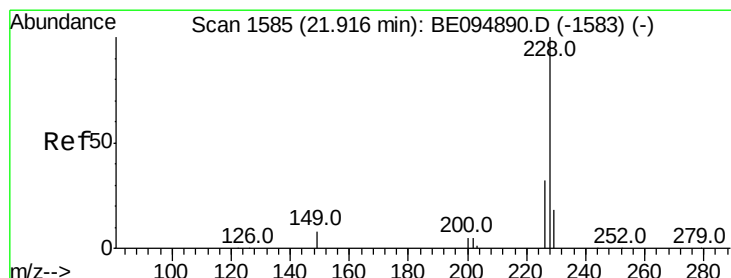
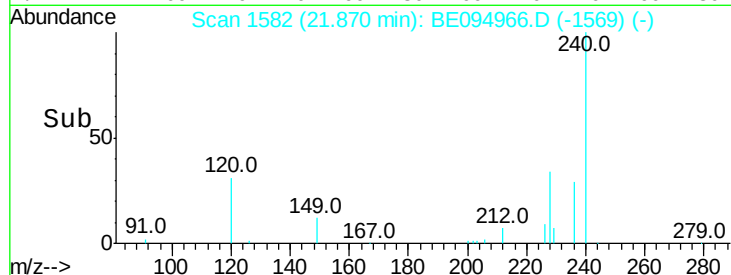
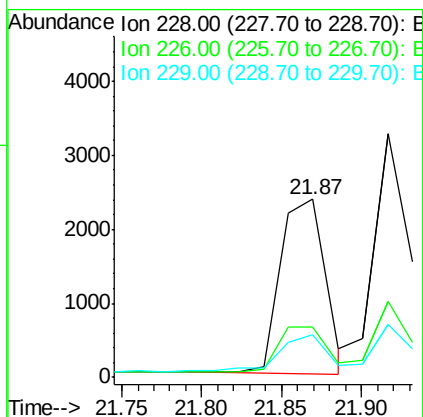
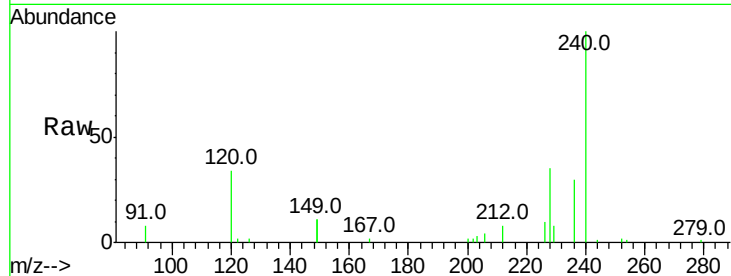
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	228	Resp:	4647
Ion	Ratio	Lower	Upper
228	100		
226	28.4	40.0	60.0#
229	24.0	40.0	60.0#

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#31

Chrysene

Concen: 0.063 ng m

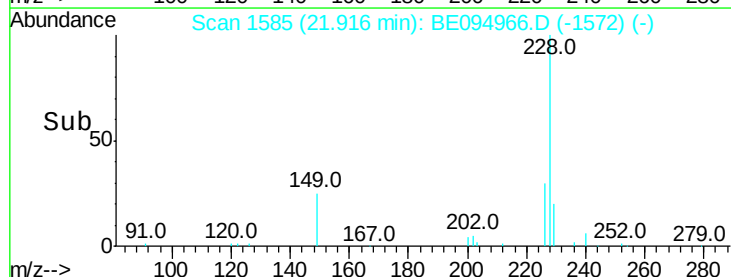
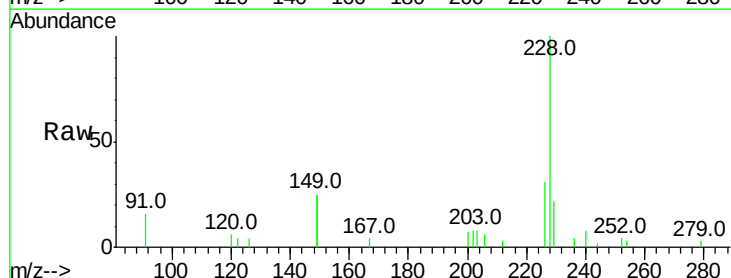
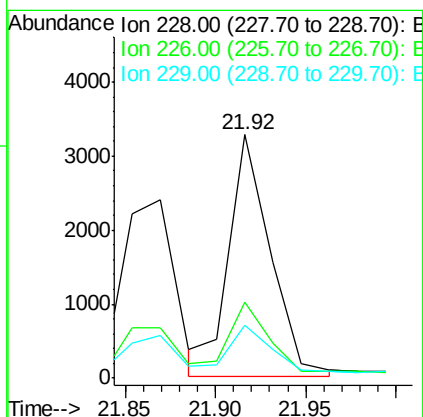
RT: 21.92 min Scan# 1585

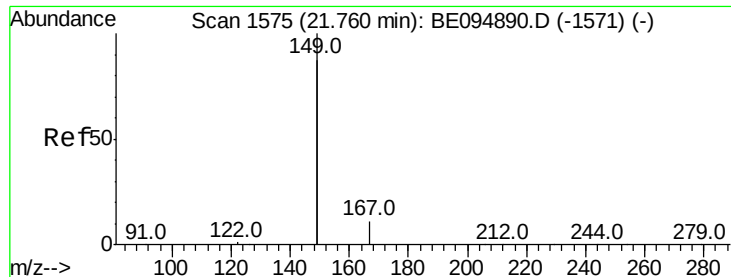
Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	228	Resp:	5213
Ion	Ratio	Lower	Upper
228	100		
226	31.4	40.0	60.0#
229	21.6	40.0	60.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.086 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

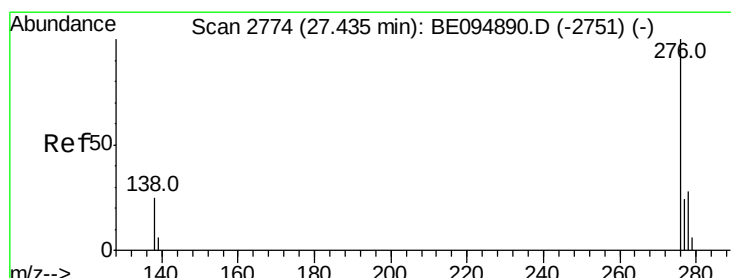
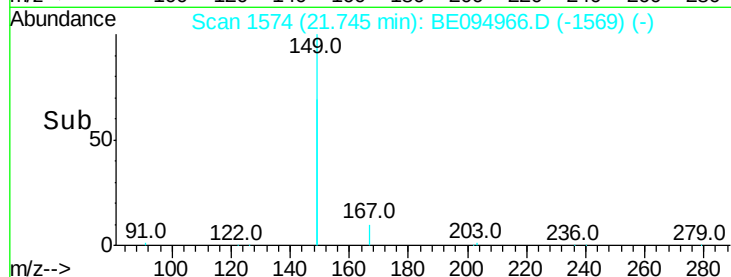
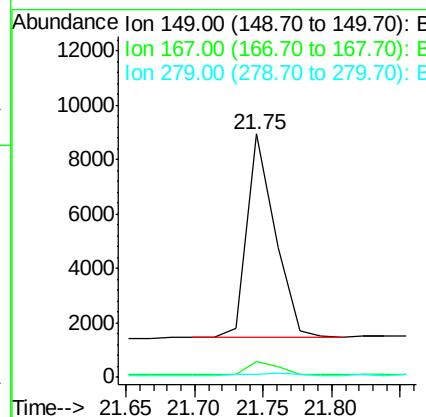
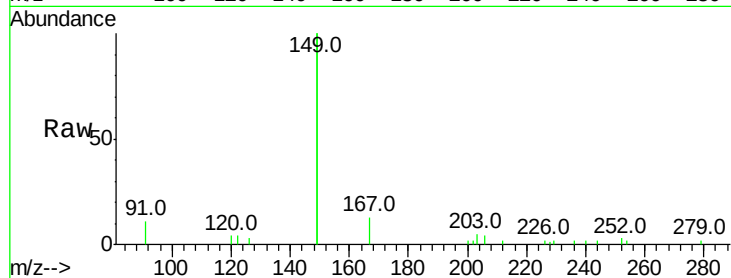
ClientSampleId :

FT-PZ-460I-20171204

Tot Ion:	149	Resp:	10712
Ion Ratio	Lower	Upper	
149	100		
167	6.3	5.4	8.0
279	0.9	0.7	1.1

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.058 ng

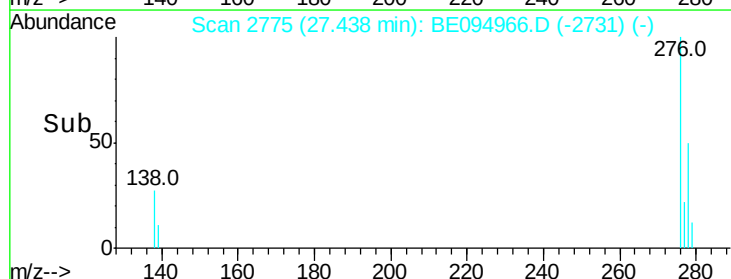
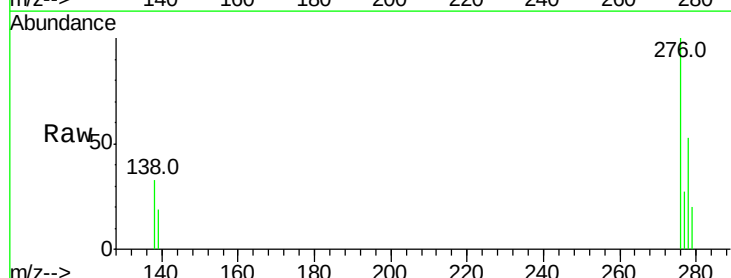
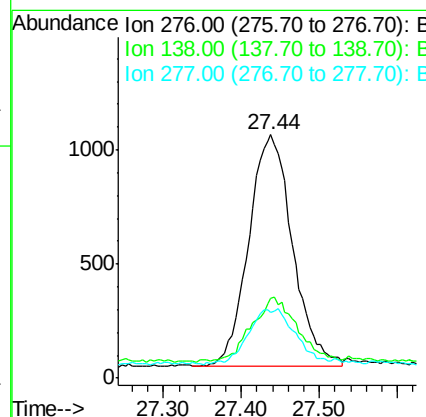
RT: 27.44 min Scan# 2775

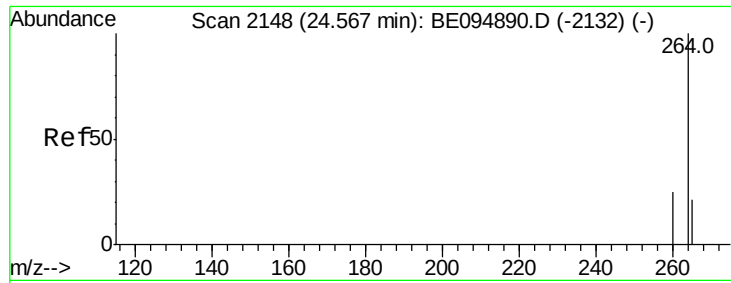
Delta R.T. 0.00 min

Lab File: BE094966.D

Acq: 9 Dec 2017 1:36

Tgt Ion:	276	Resp:	3978
Ion Ratio	Lower	Upper	
276	100		
138	28.1	22.5	33.7
277	25.4	19.9	29.9





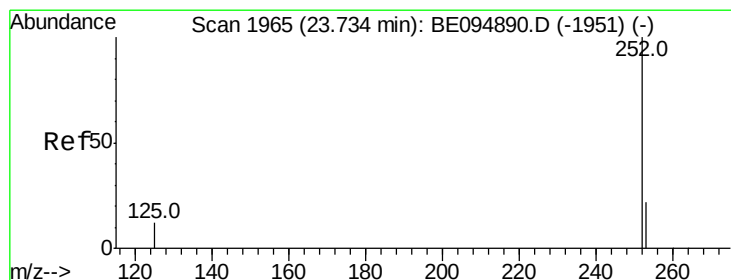
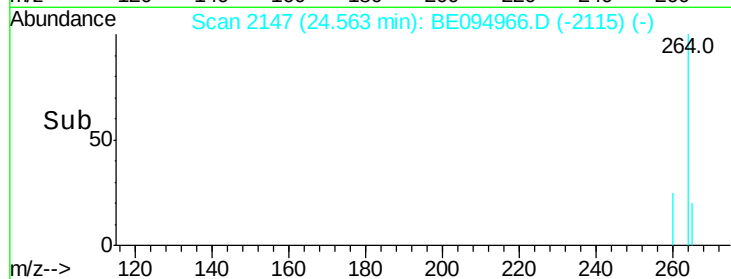
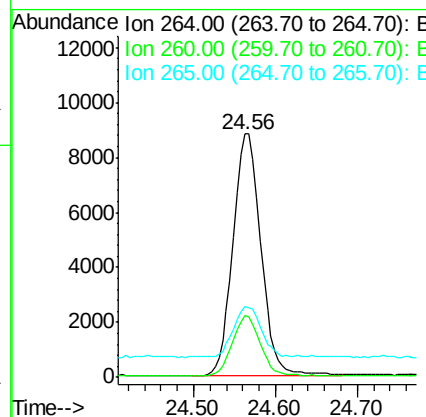
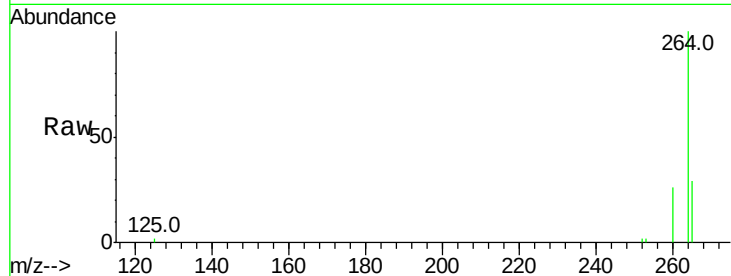
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	29.0	22.8	34.2

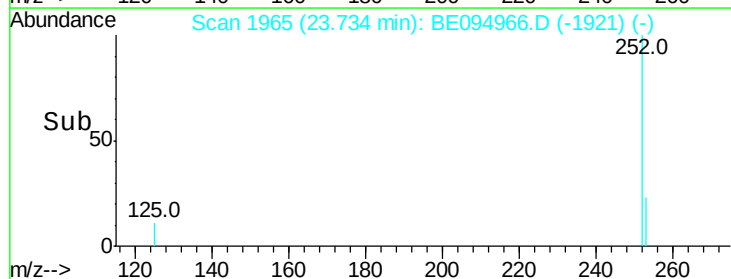
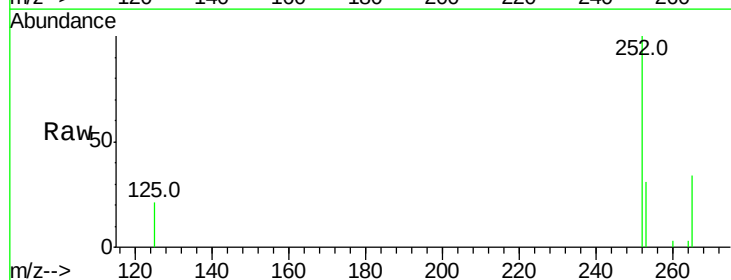
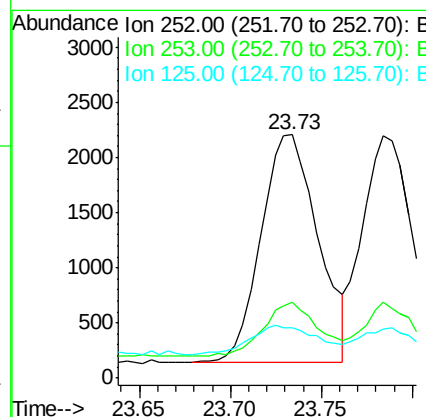
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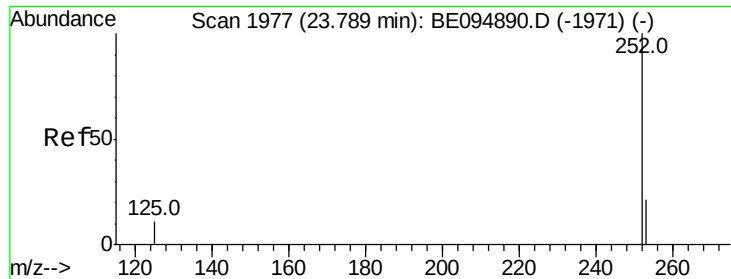
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#35
 Benzo(b)fluoranthene
 Concen: 0.060 ng
 RT: 23.73 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: BE094966.D
 Acq: 9 Dec 2017 1:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	48.0	72.0#
125	20.8	56.0	84.0#





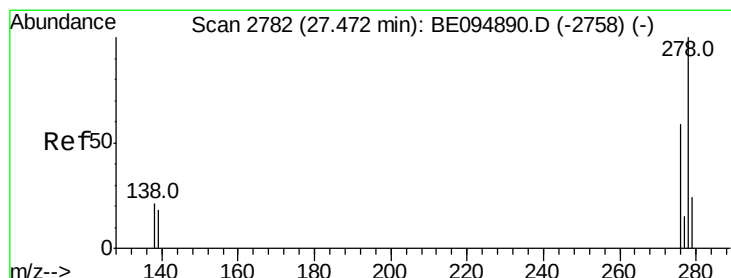
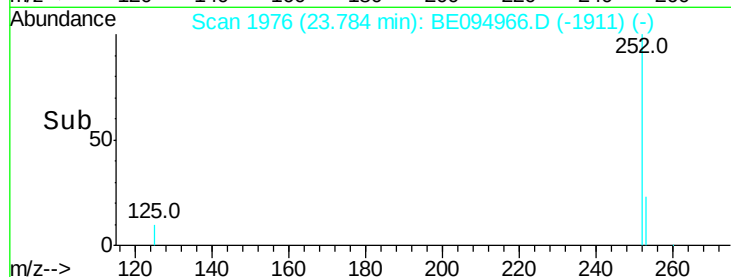
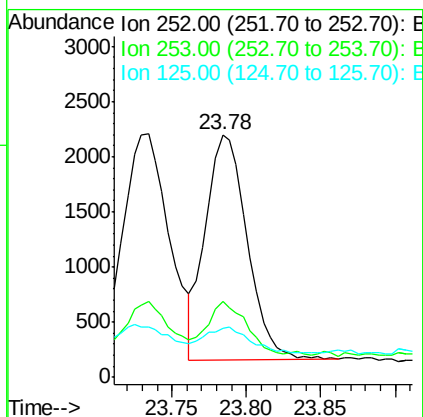
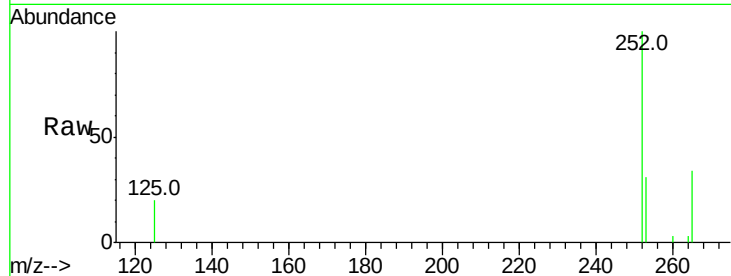
#36
Benzo(k)fluoranthene
Concen: 0.052 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094966.D
Acq: 9 Dec 2017 1:36

Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.2	48.0	72.0#
125	20.4	56.0	84.0#

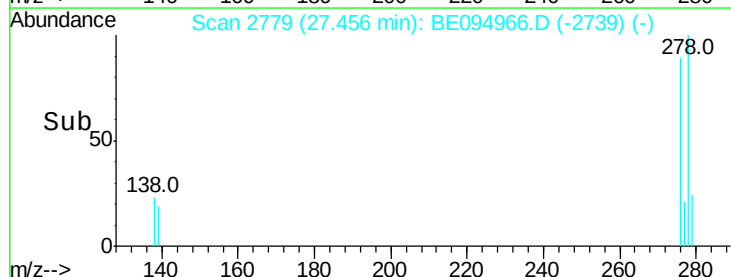
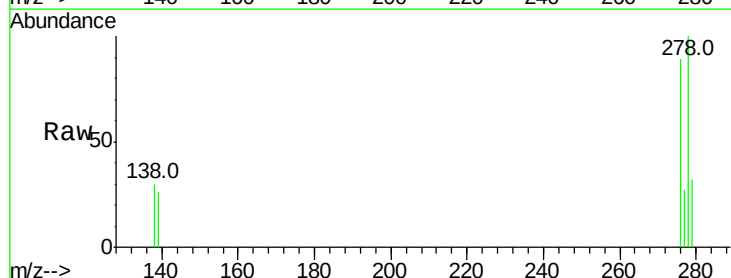
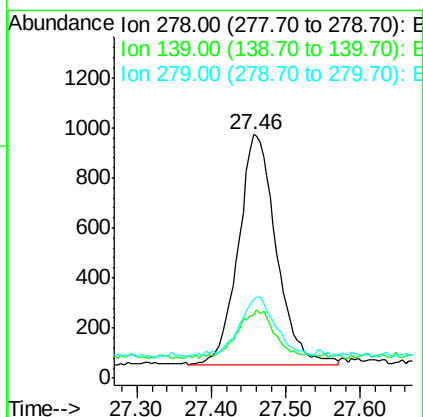
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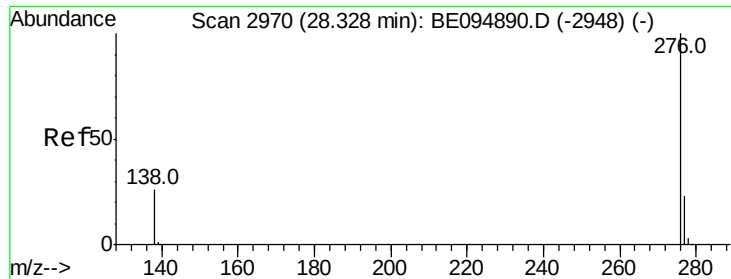
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.053 ng
RT: 27.46 min Scan# 2779
Delta R.T. -0.02 min
Lab File: BE094966.D
Acq: 9 Dec 2017 1:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.9	56.0	84.0#
279	32.2	52.0	78.0#





#39

Benzo(a,h,i)perylene

Concen: 0.057 ng

RT: 28.33 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BE094966.D

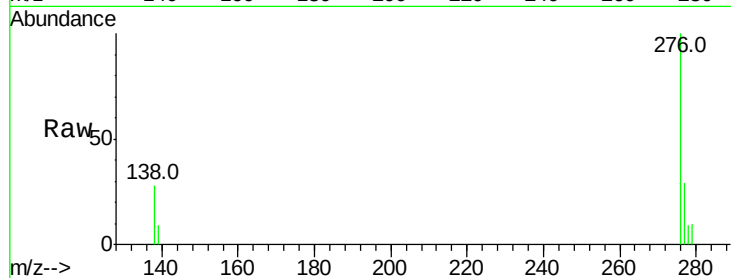
Acq: 9 Dec 2017 1:36

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204



Tot Ion:	276	Resp:	3506
Ion Ratio	Lower	Upper	
276	100		
277	29.0	52.0	78.0#
138	27.7	44.0	66.0#

Manual Integrations
APPROVED

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12/11/2017 6:18:22 PM

