

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094961.D
 Acq On : 8 Dec 2017 22:31
 Operator : SJ/JU
 Sample : I6740-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-461I-20171204

Manual Integrations
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Quant Time: Dec 09 01:50:26 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	8.49	152	7862	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18120	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	10558	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	25647	0.40	ng	0.01
27) Chrysene-d12	21.88	240	25994m	0.40	ng	0.00
34) Perylene-d12	24.57	264	22470	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2149	0.17	ng	0.00
5) Phenol-d6	7.60	99	2315	0.13	ng	0.01
8) Nitrobenzene-d5	9.67	82	6329	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	10735	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	1257	0.54	ng	0.01
15) 2-Fluorobiphenyl	13.71	172	28064	0.62	ng	0.00
25) Fluoranthene-d10	19.76	212	131486	0.38	ng	0.00
29) Terphenyl-d14	20.33	244	31133	0.65	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	8453	1.028	ng	90
23) Phenanthrene	17.82	178	2937	0.036	ng	# 82
26) Fluoranthene	19.79	202	2777	0.026	ng	# 93
28) Pyrene	20.14	202	2437	0.027	ng	# 79
30) Benzo(a)anthracene	21.87	228	5077	0.064	ng	# 65
31) Chrysene	21.92	228	5513m	0.063	ng	
32) Bis(2-ethylhexyl)phthalate	21.74	149	30405	0.230	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	4647	0.064	ng	# 90
35) Benzo(b)fluoranthene	23.73	252	5106	0.062	ng	# 50
36) Benzo(k)fluoranthene	23.79	252	4590m	0.055	ng	
37) Benzo(a)pyrene	24.44	252	4311	0.060	ng	# 54
38) Dibenzo(a,h)anthracene	27.46	278	3780	0.057	ng	# 58
39) Benzo(a,h,i)perylene	28.32	276	3961	0.060	ng	# 56

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

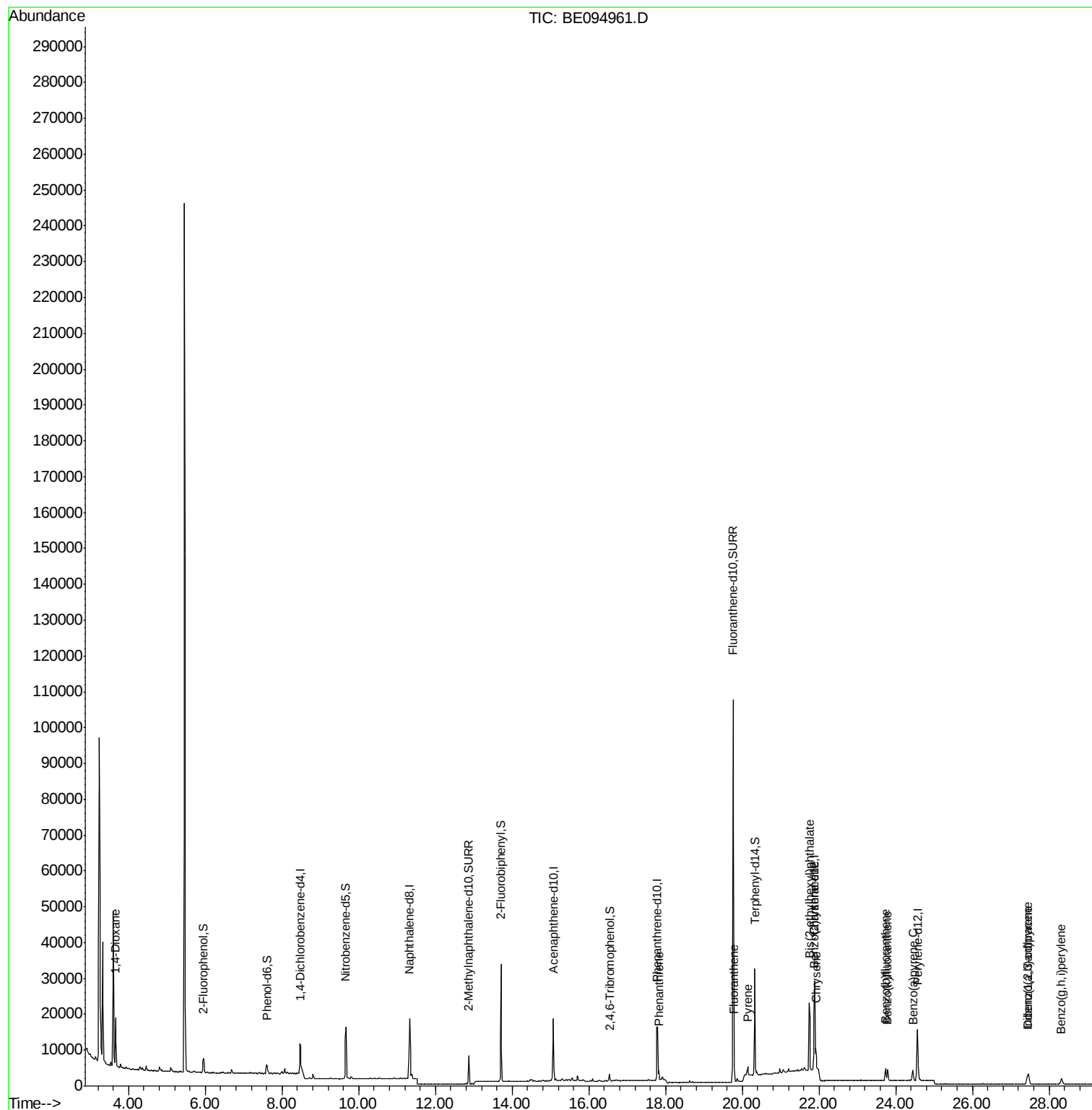
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094961.D
Acq On : 8 Dec 2017 22:31
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ALS Vial : 13 Sample Multiplier: 1

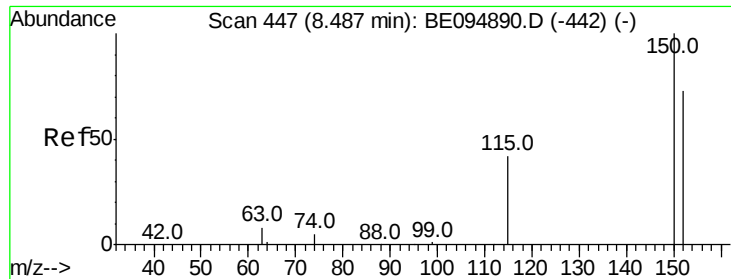
Instrument :
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#1

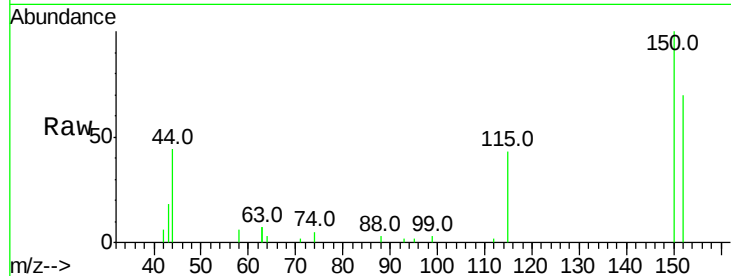
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.49 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Instrument :
BNA_E
ClientSampleId :
FT-PZ-461I-20171204

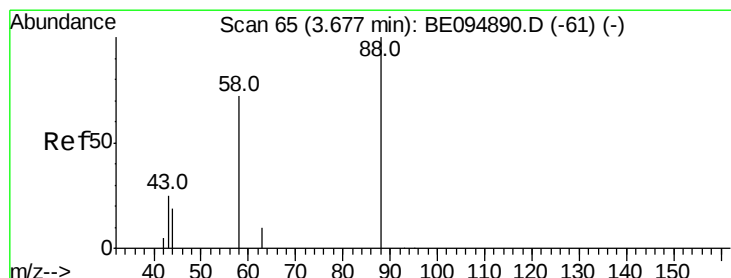
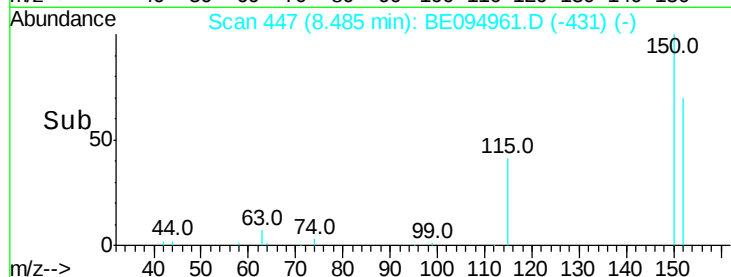
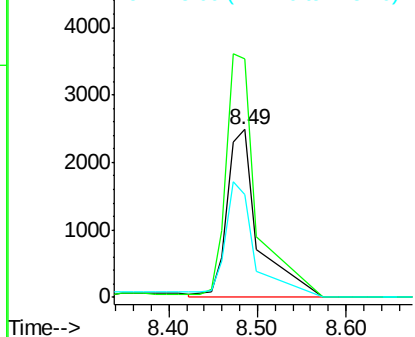
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.3	117.2	175.8
115	61.2	57.0	85.6

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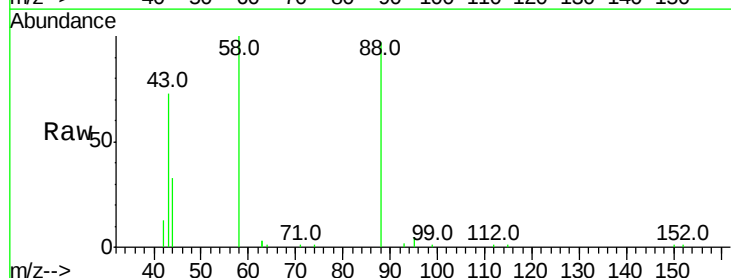
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



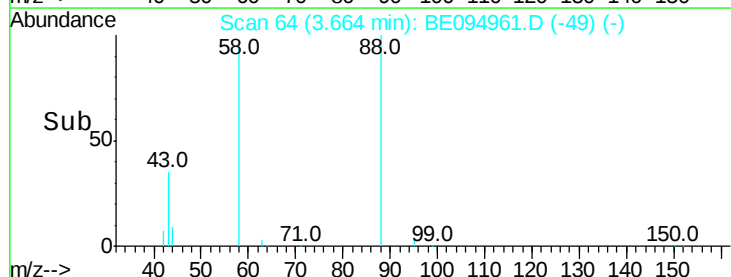
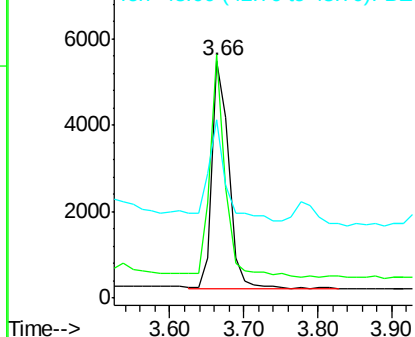
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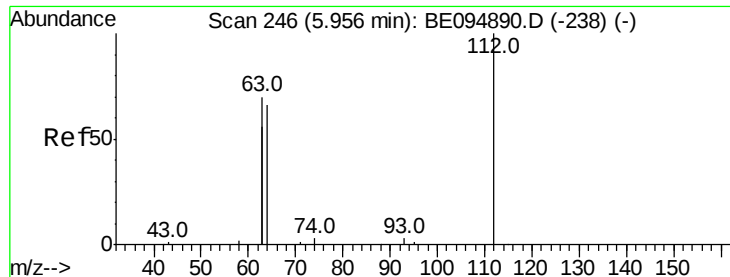
1,4-Dioxane
Concen: 1.028 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.9	63.2	94.8
43	44.5	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: 0.173 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

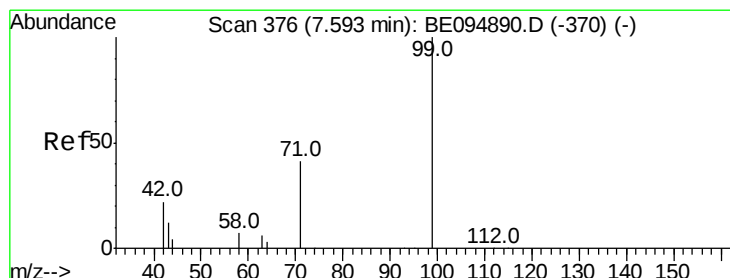
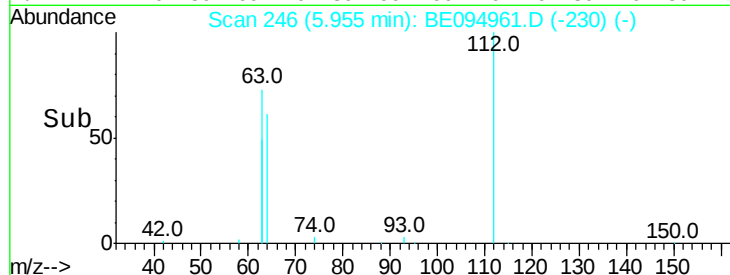
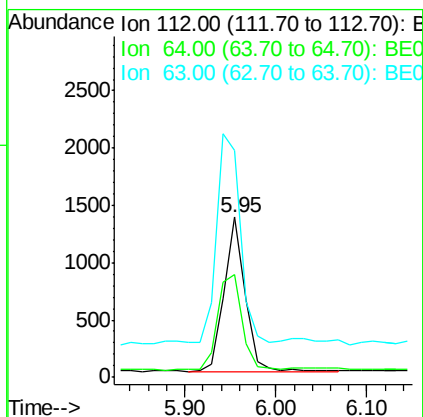
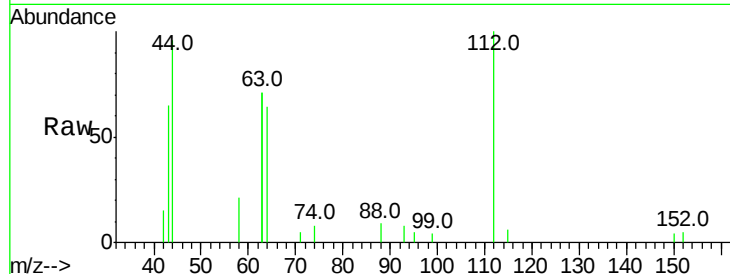
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion:	112	Resp:	2149
Ion Ratio	Lower	Upper	
112	100		
64	73.5	60.1	90.1
63	157.2	116.8	175.2

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#5

Phenol-d6

Concen: 0.126 ng

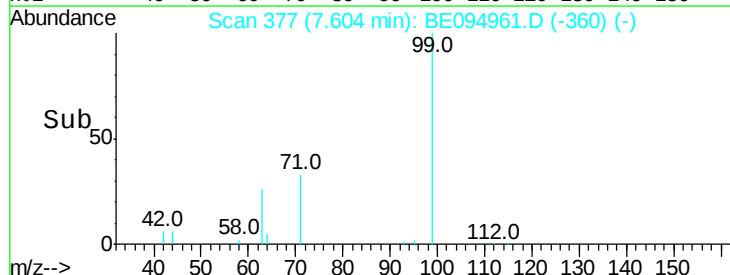
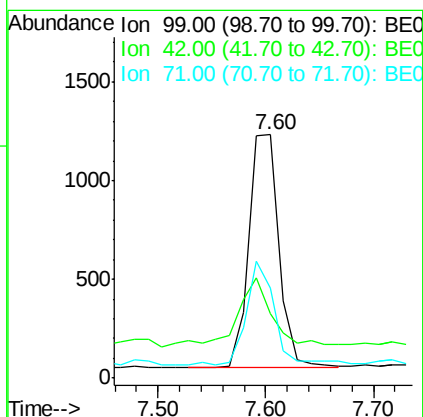
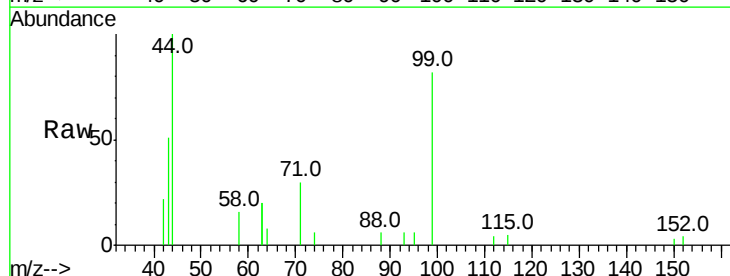
RT: 7.60 min Scan# 377

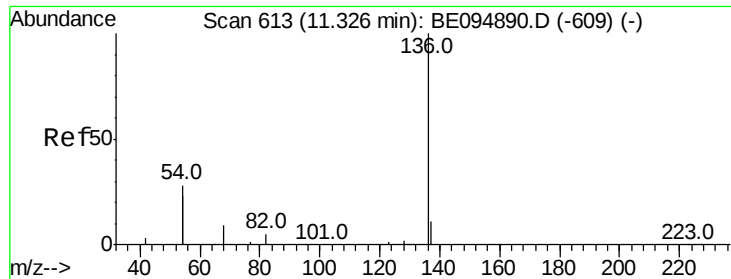
Delta R.T. 0.01 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion:	99	Resp:	2315
Ion Ratio	Lower	Upper	
99	100		
42	34.4	20.2	30.2#
71	43.0	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: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

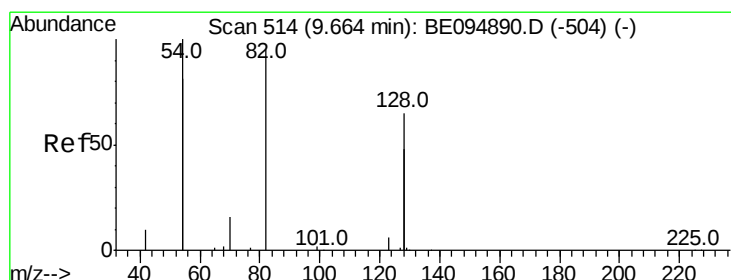
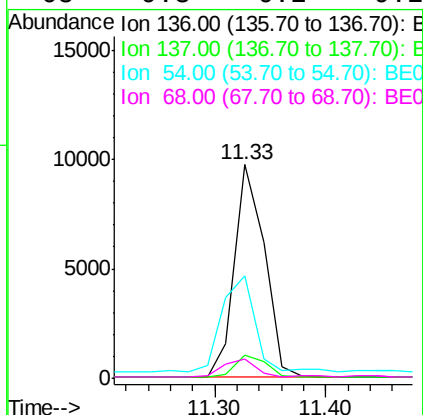
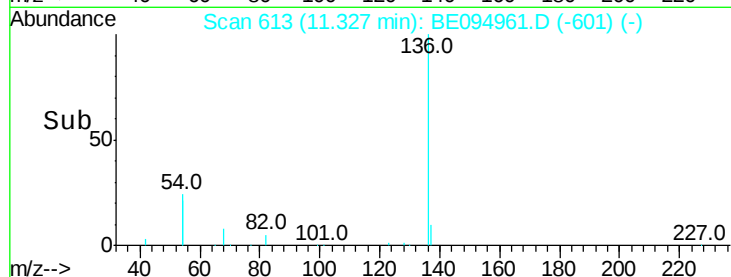
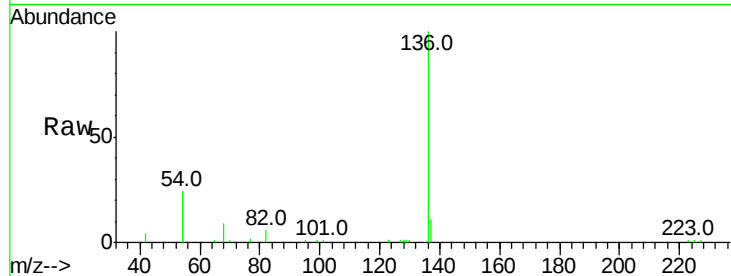
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion	Ratio	Resp	Lower	Upper
136	100	18120		
137	11.0	9.5	14.3	
54	47.7	29.1	43.7	
68	9.3	6.2	9.2	

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#8

Nitrobenzene-d5

Concen: 0.590 ng

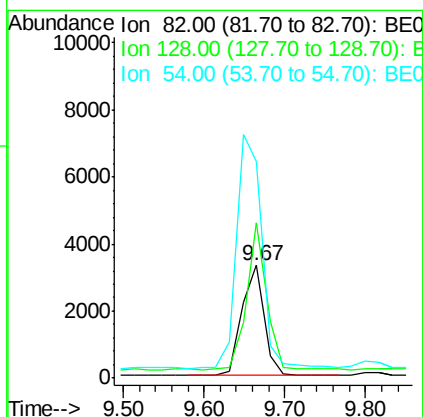
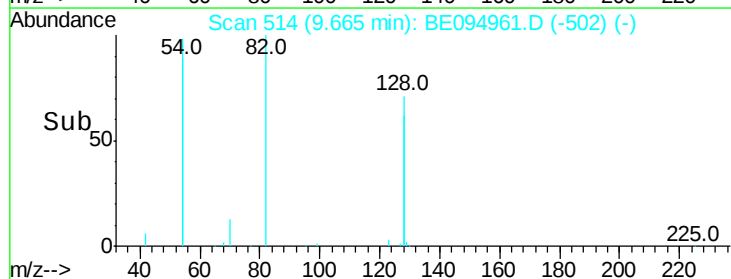
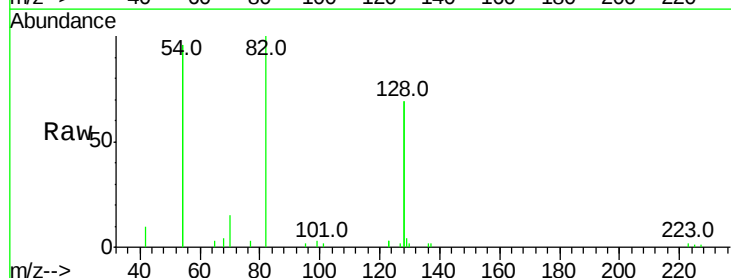
RT: 9.67 min Scan# 514

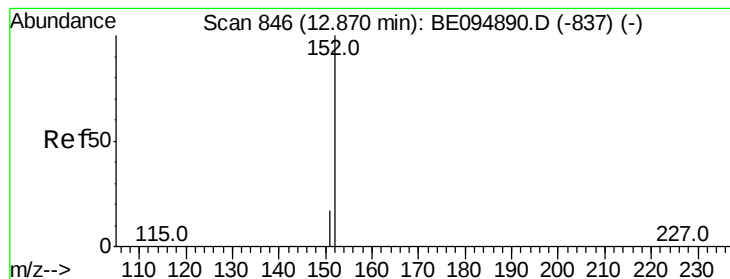
Delta R.T. 0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	6329		
128	137.8	150.0	225.0	
54	192.2	154.2	231.4	





#11

2-Methylnaphthalene-d10

Concen: 0.371 ng

RT: 12.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

ClientSampleId :

FT-PZ-461I-20171204

Tot Ion:152 Resp: 10735

Ion Ratio Lower Upper

152 100

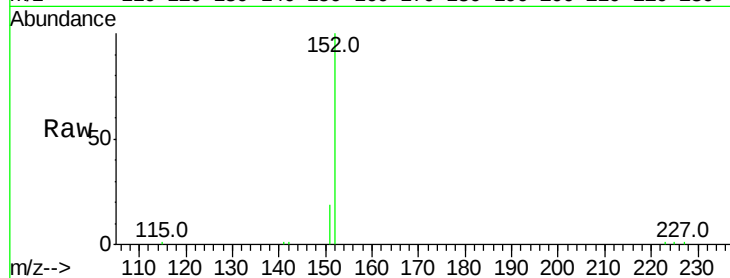
151 19.6 15.4 23.0

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.87

8000

6000

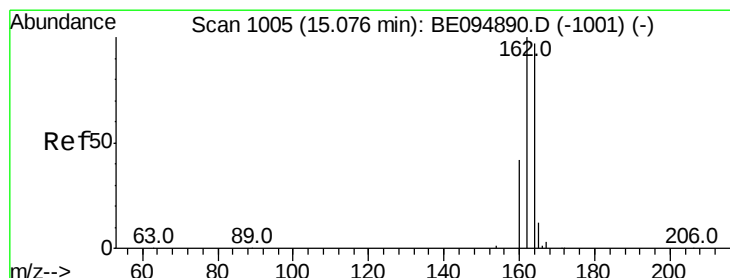
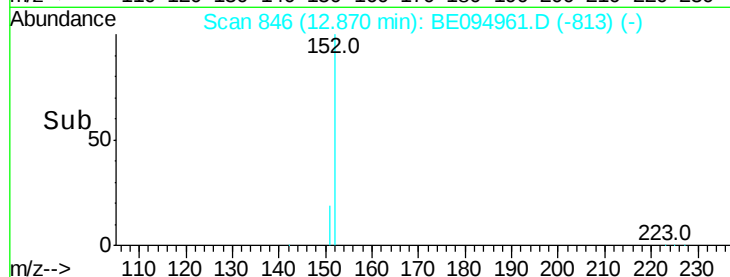
4000

2000

0

Time-->

12.80 12.85 12.90 12.95



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

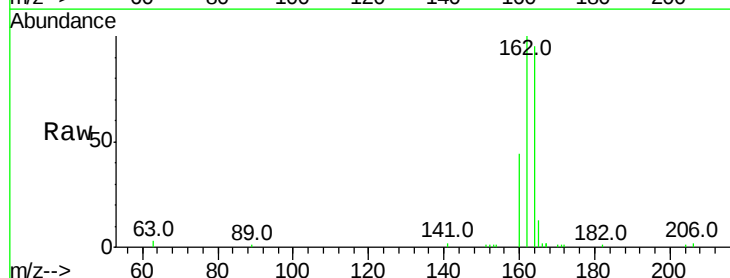
Tgt Ion:164 Resp: 10558

Ion Ratio Lower Upper

164 100

162 105.0 83.1 124.7

160 45.8 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

6000

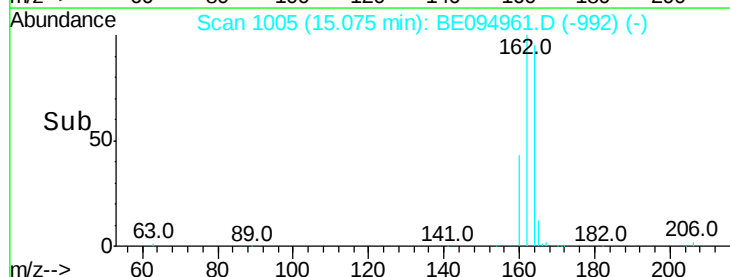
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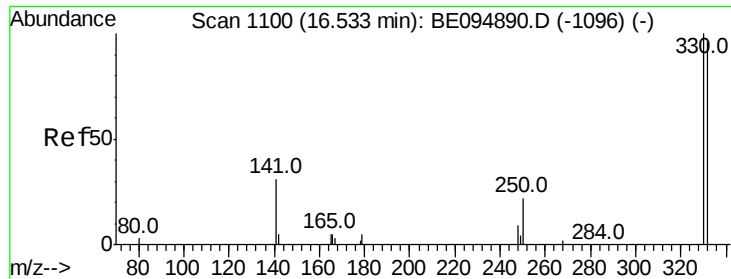
2000

0

Time-->

15.00 15.20





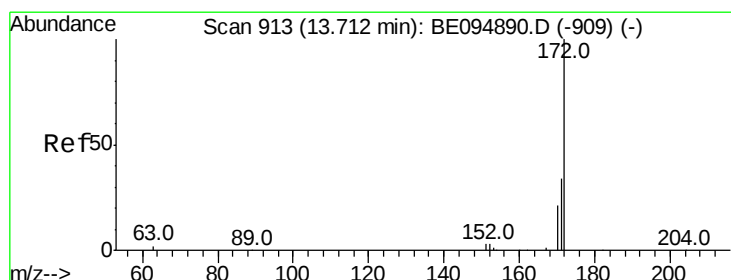
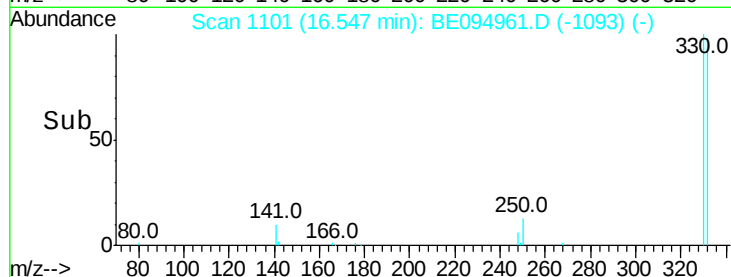
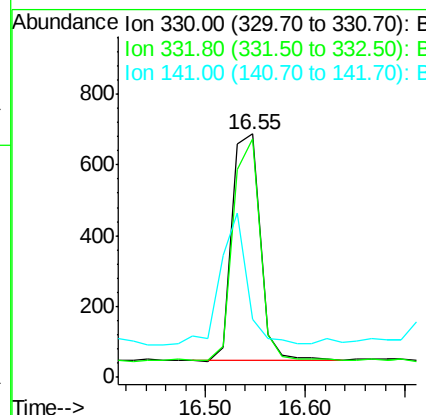
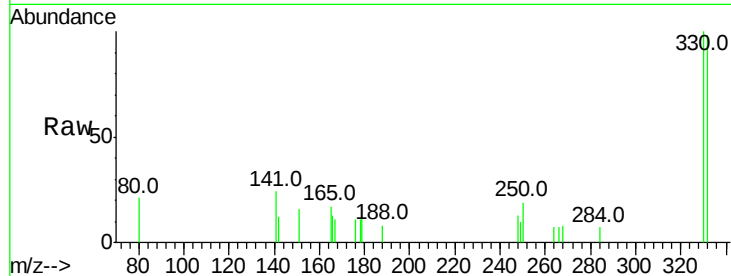
#14
 2,4,6-Tribromophenol
 Concen: 0.542 ng
 RT: 16.55 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BE094961.D
 Acq: 8 Dec 2017 22:31

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-461I-20171204

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	152.7	229.1#
141	55.0	33.7	50.5#

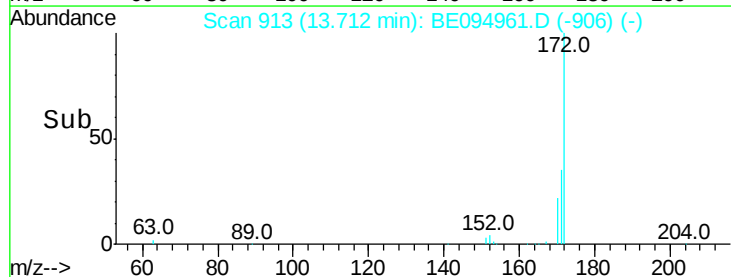
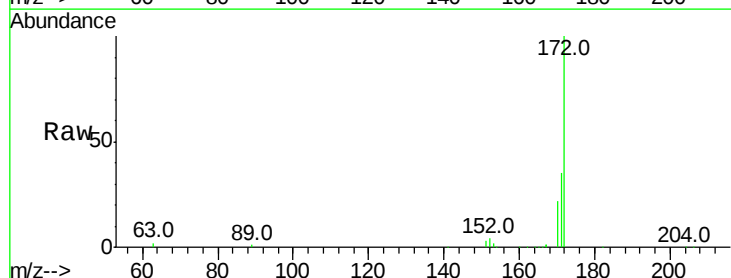
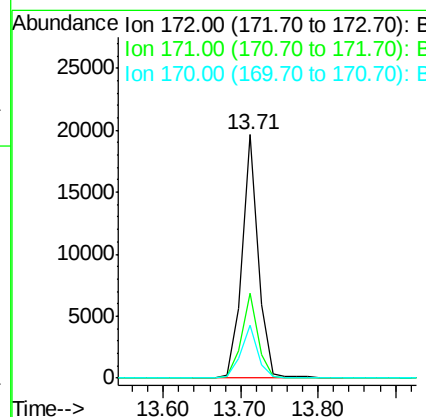
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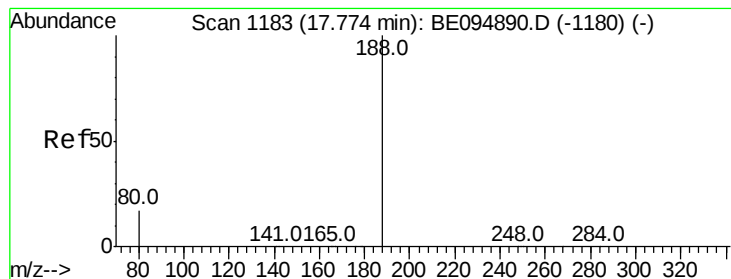
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#15
 2-Fluorobiphenyl
 Concen: 0.621 ng
 RT: 13.71 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BE094961.D
 Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	21.8	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: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

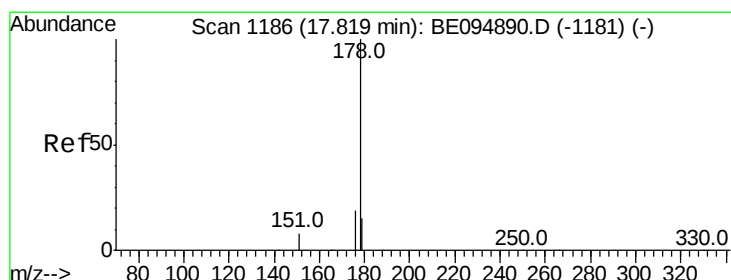
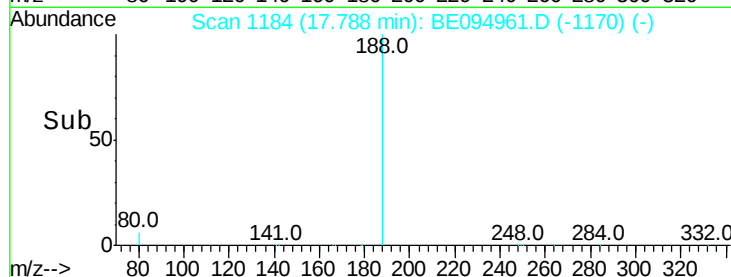
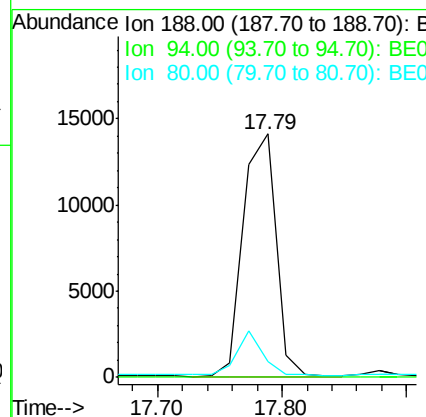
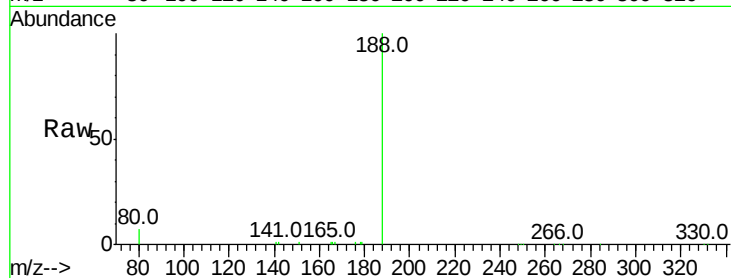
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion:	188	Resp:	25647
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	6.5	3.6	5.4#

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#23

Phenanthrene

Concen: 0.036 ng

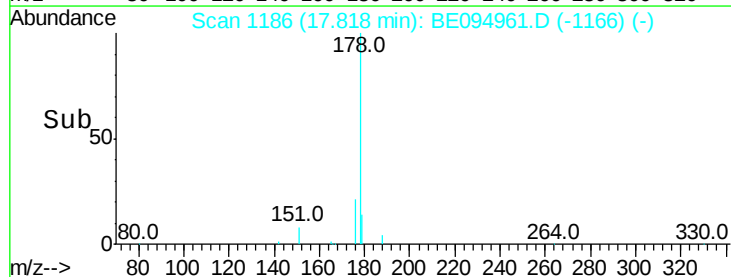
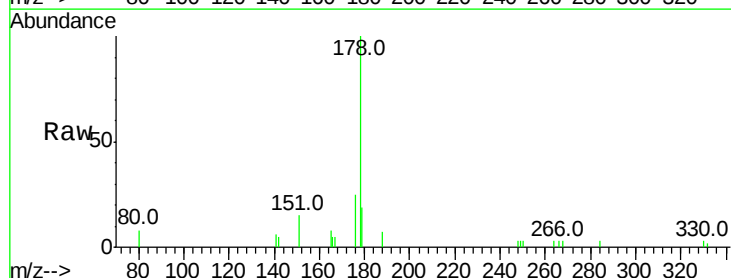
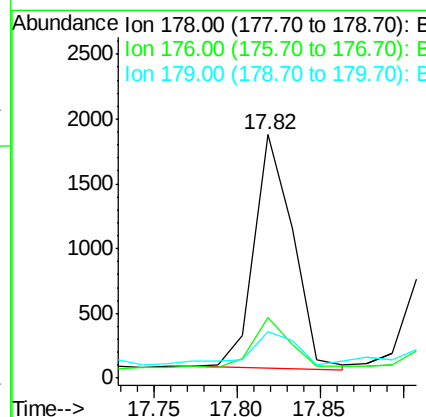
RT: 17.82 min Scan# 1186

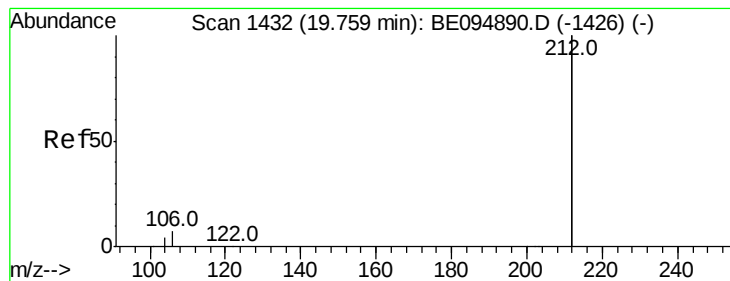
Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion:	178	Resp:	2937
Ion Ratio	Lower	Upper	
178	100		
176	24.3	15.1	22.7#
179	25.2	11.8	17.6#





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

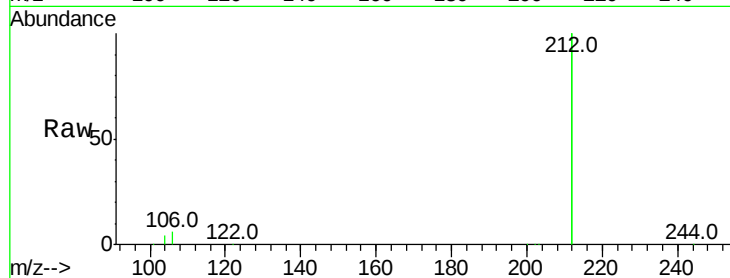
ClientSampleId :

FT-PZ-461I-20171204

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

Manual Integrations
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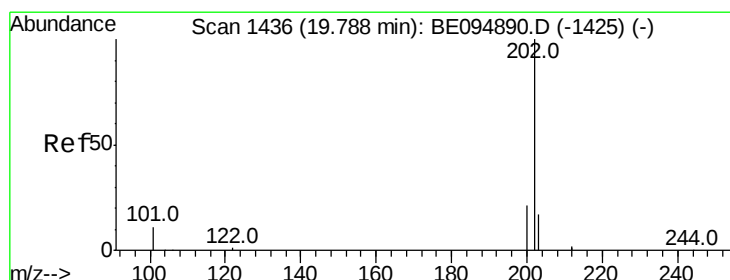
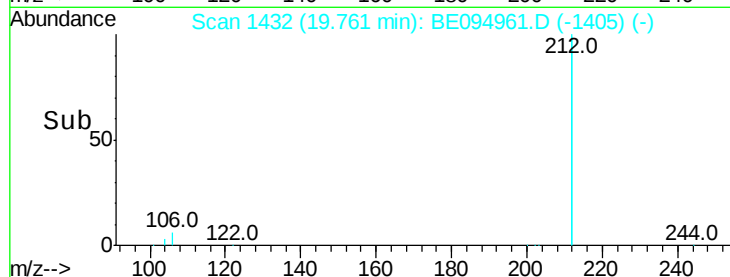
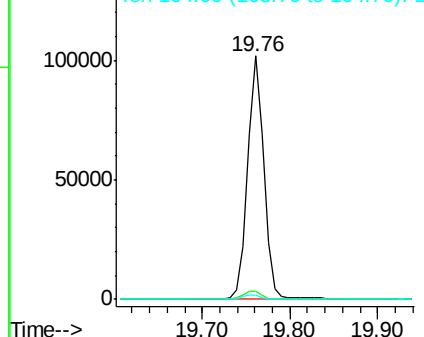
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Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.026 ng

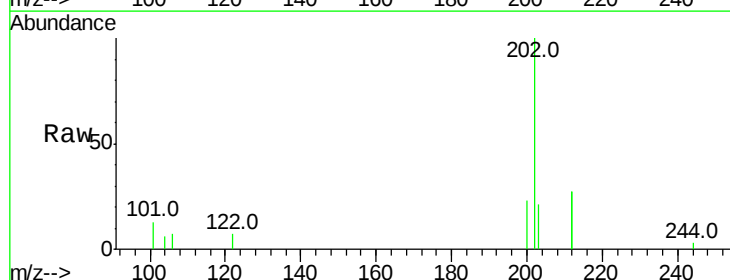
RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094961.D

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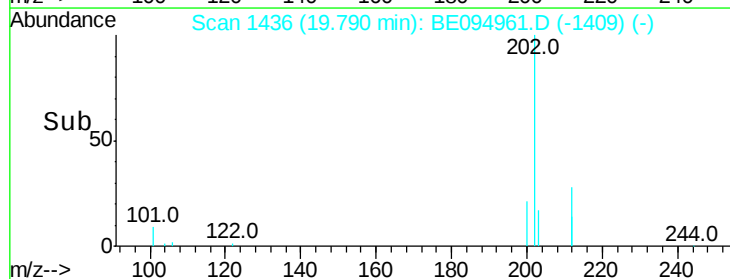
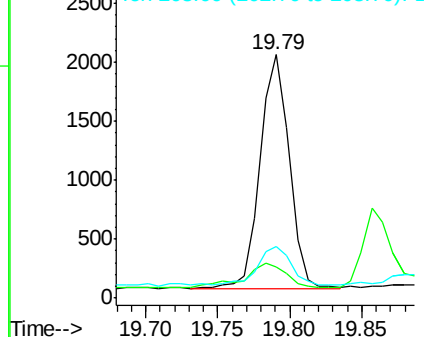
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	16.1	9.8	14.8#	
203	19.2	13.7	20.5	

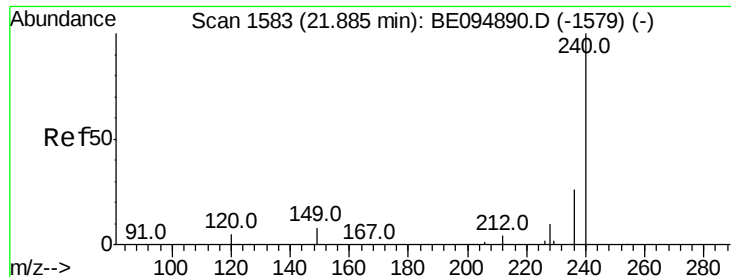


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





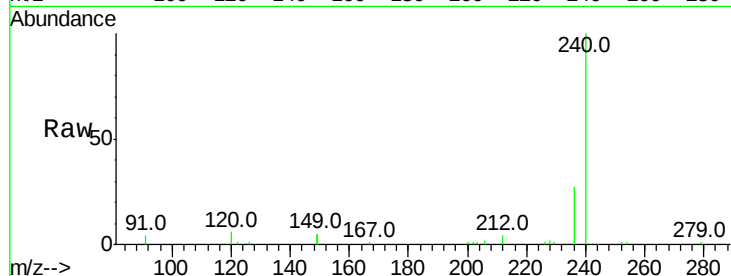
#27
Chrysene-d12
Concen: 0.400 ng/mL
RT: 21.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Instrument :
BNA_E
ClientSampleId :
FT-PZ-461I-20171204

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.7	5.5	8.3
236	26.6	20.7	31.1

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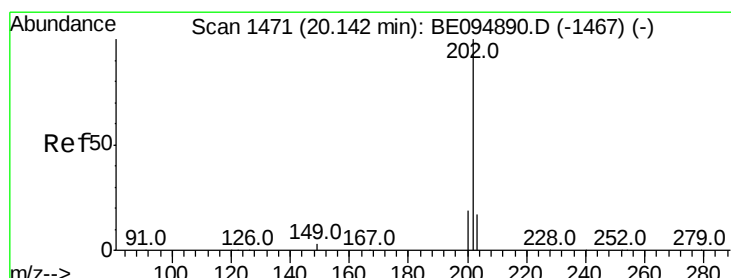
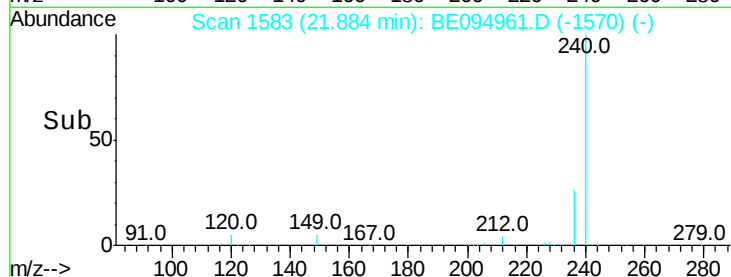
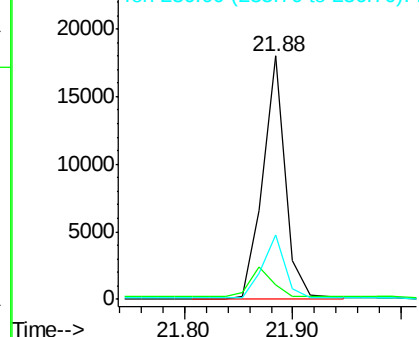


Abundance

Ion 240.00 (239.70 to 240.70): E

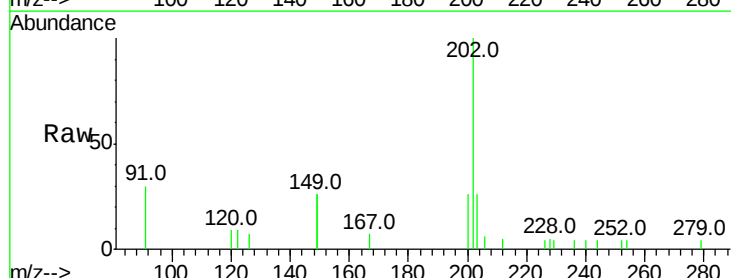
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.027 ng/mL
RT: 20.14 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	29.9	16.6	25.0#
203	27.5	13.8	20.8#

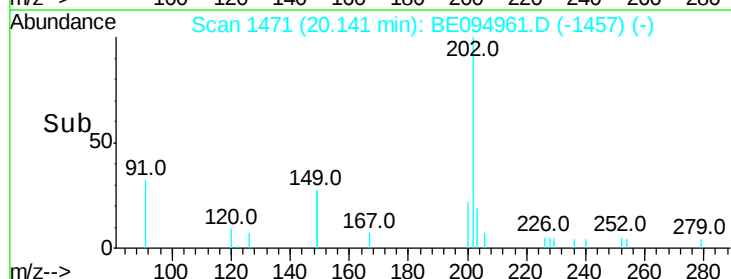
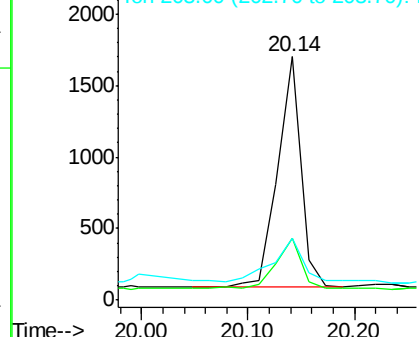


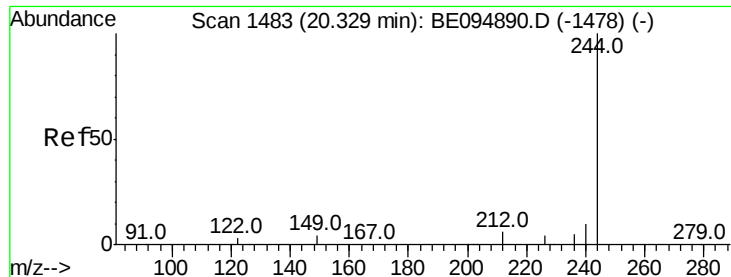
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.648 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

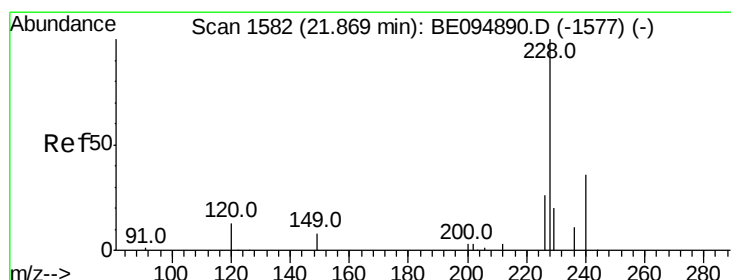
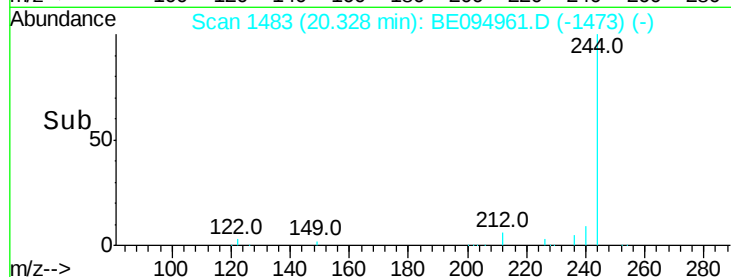
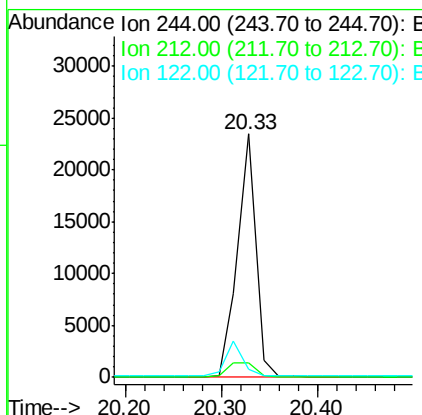
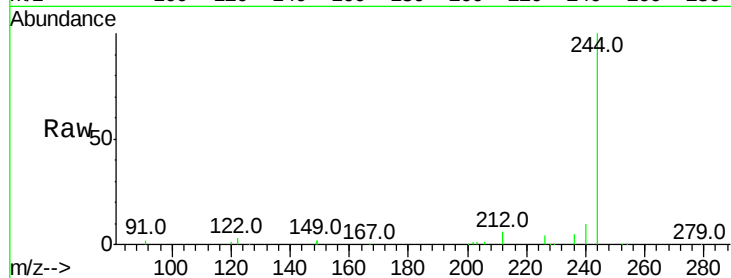
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion:	244	Resp:	31133
Ion Ratio	Lower	Upper	
244	100		
212	6.0	25.4	38.0#
122	3.5	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.064 ng

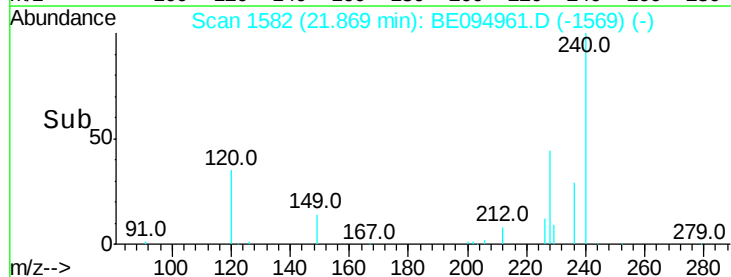
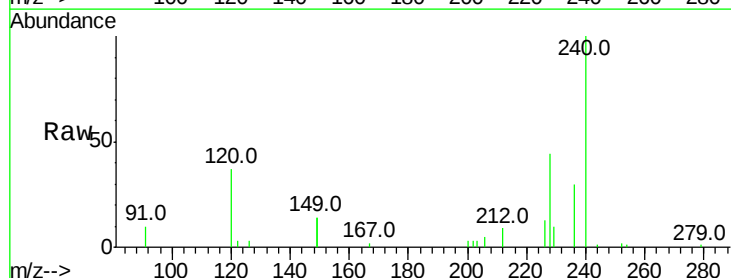
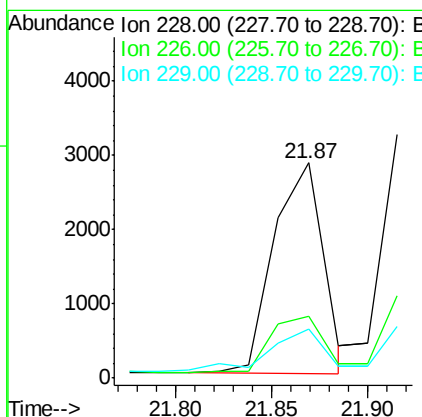
RT: 21.87 min Scan# 1582

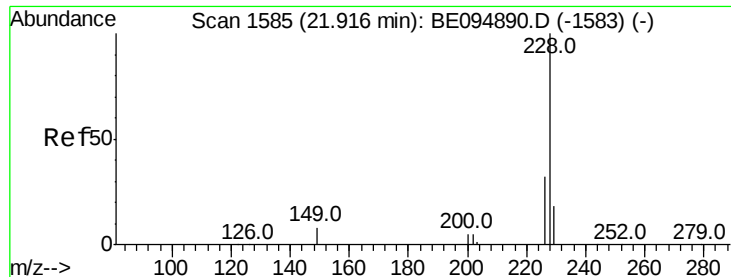
Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion:	228	Resp:	5077
Ion Ratio	Lower	Upper	
228	100		
226	29.0	40.0	60.0#
229	22.6	40.0	60.0#





#31

Chrysene

Concen: 0.063 ng/mL

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

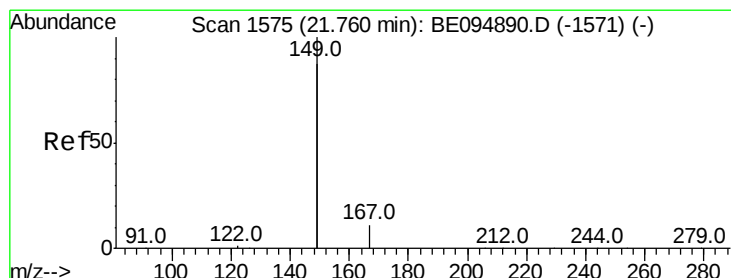
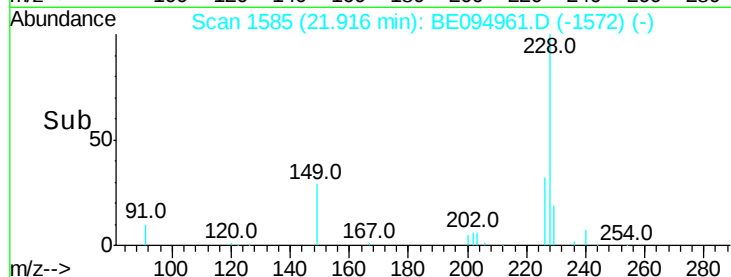
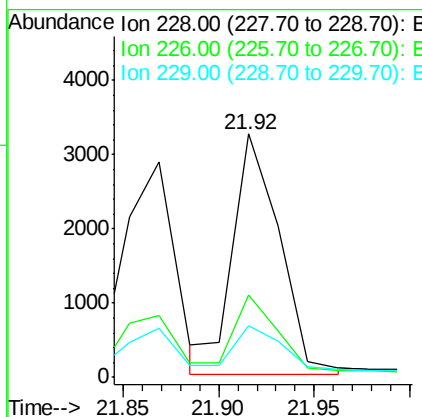
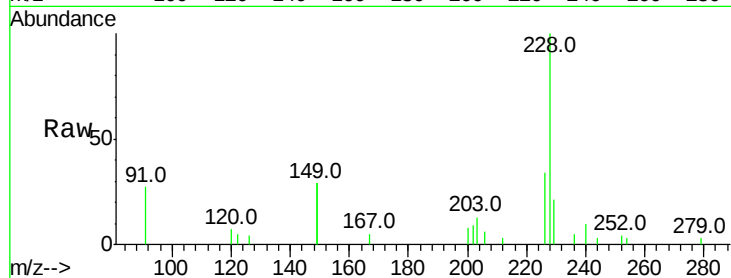
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion:	228	Resp:	5513
Ion Ratio	Lower	Upper	
228	100		
226	33.8	40.0	60.0#
229	21.4	40.0	60.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.230 ng/mL

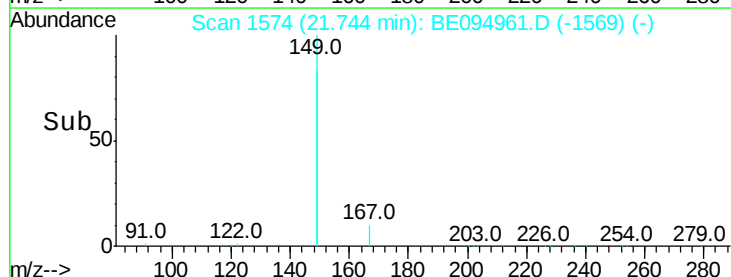
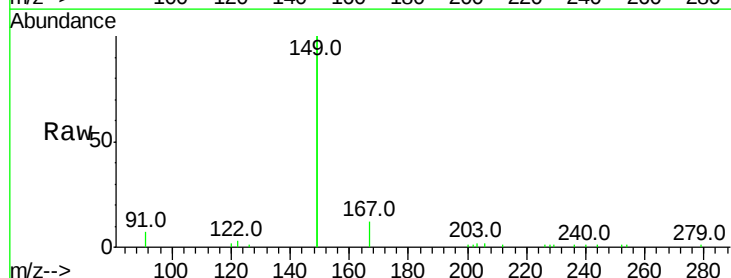
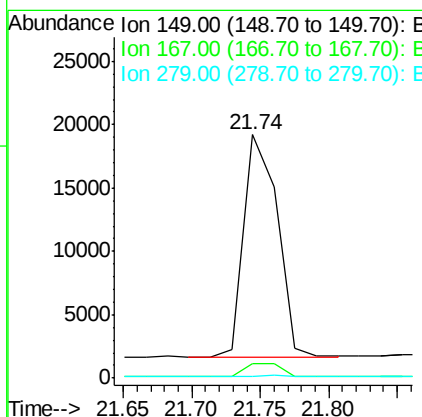
RT: 21.74 min Scan# 1574

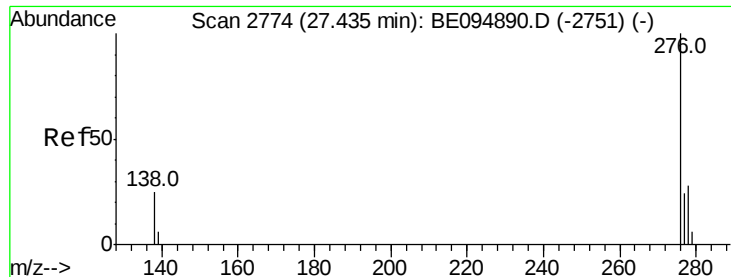
Delta R.T. -0.02 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion:	149	Resp:	30405
Ion Ratio	Lower	Upper	
149	100		
167	6.6	5.4	8.0
279	0.8	0.7	1.1





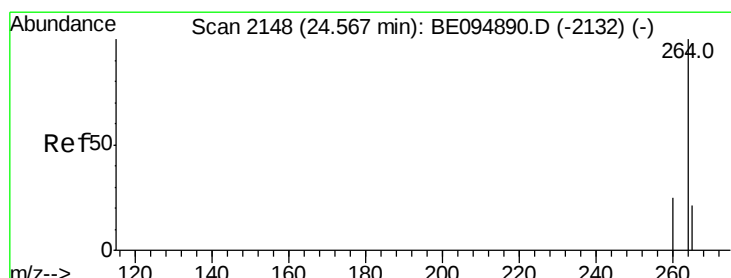
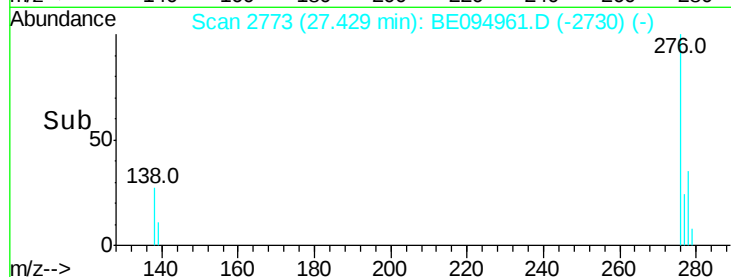
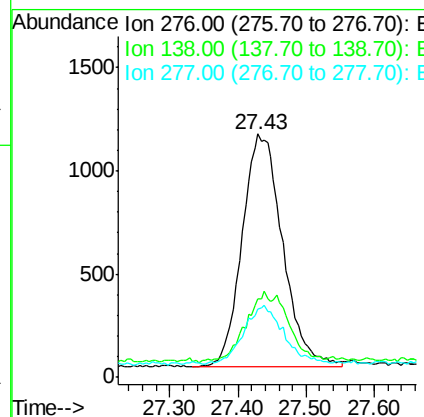
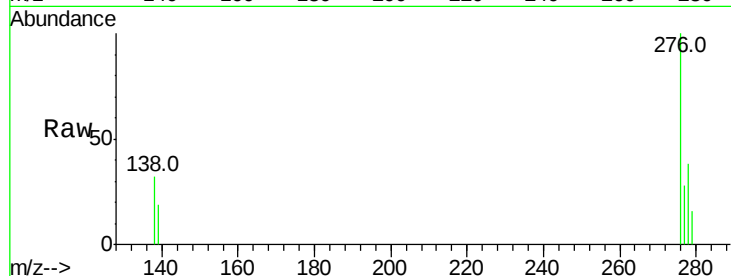
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.064 ng
 RT: 27.43 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: BE094961.D
 Acq: 8 Dec 2017 22:31

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-461I-20171204

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	22.5	33.7#
277	24.4	19.9	29.9

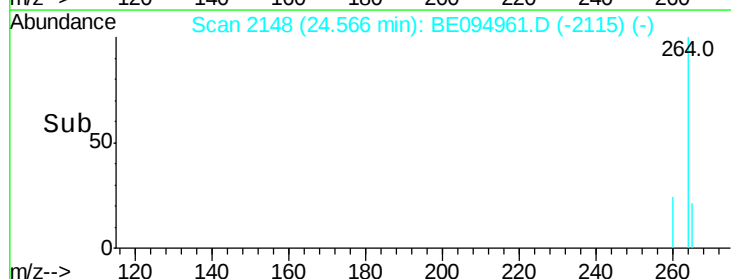
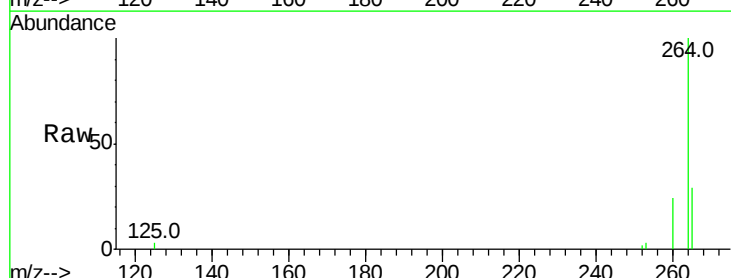
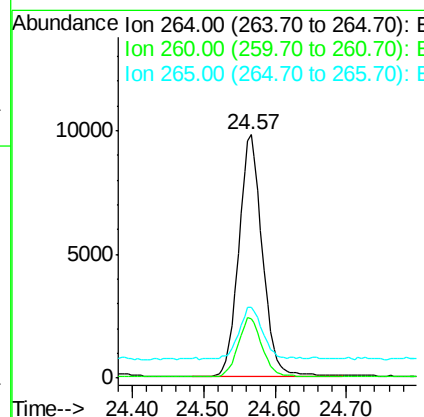
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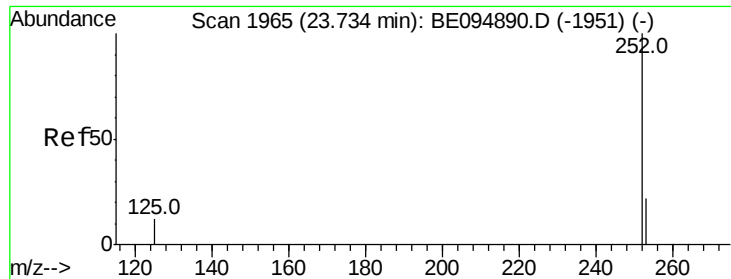
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: BE094961.D
 Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.5	30.7
265	28.9	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.062 ng

RT: 23.73 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

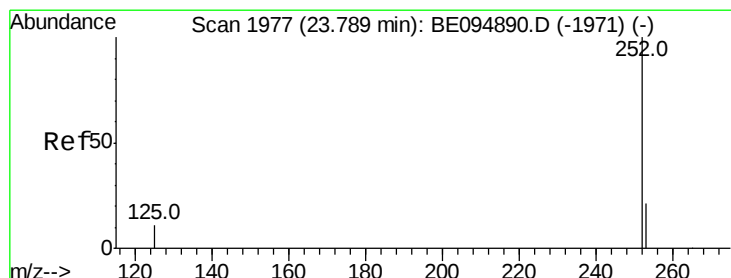
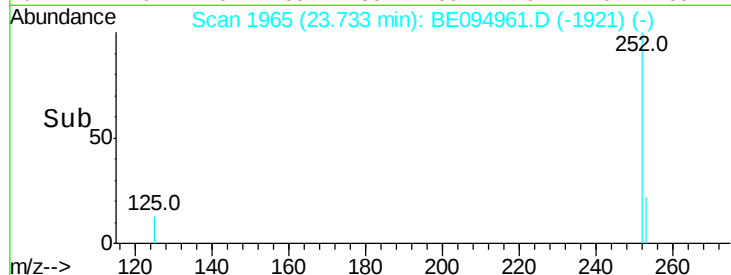
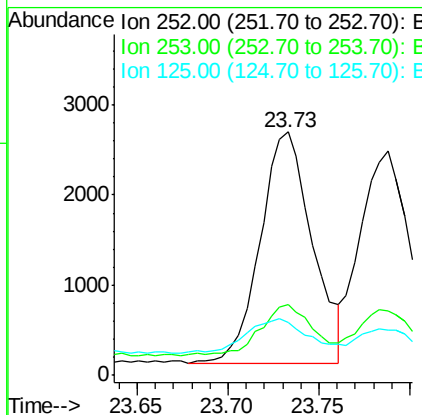
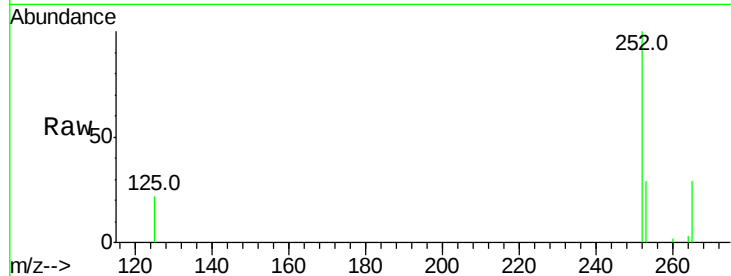
ClientSampleId :

FT-PZ-461I-20171204

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	48.0	72.0#
125	21.8	56.0	84.0#

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#36

Benzo(k)fluoranthene

Concen: 0.055 ng m

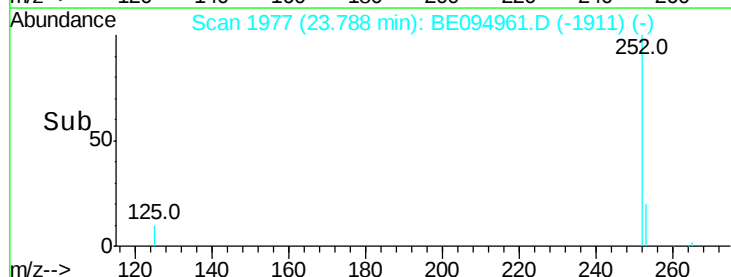
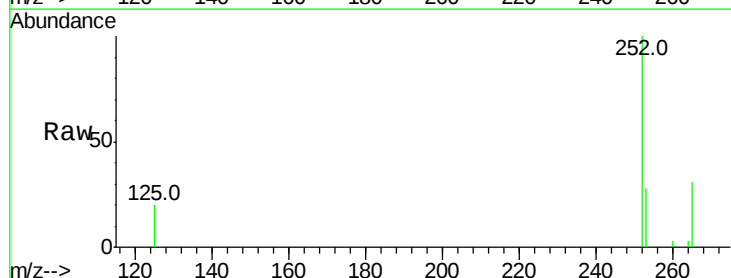
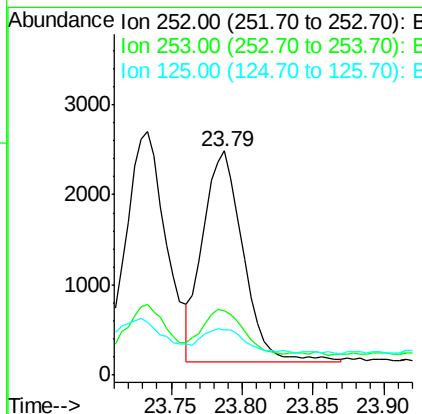
RT: 23.79 min Scan# 1977

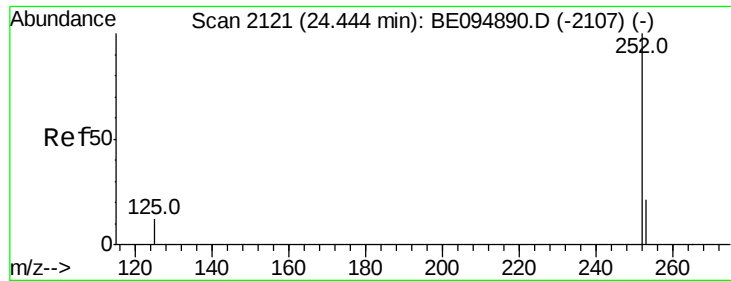
Delta R.T. -0.00 min

Lab File: BE094961.D

Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	48.0	72.0#
125	20.0	56.0	84.0#





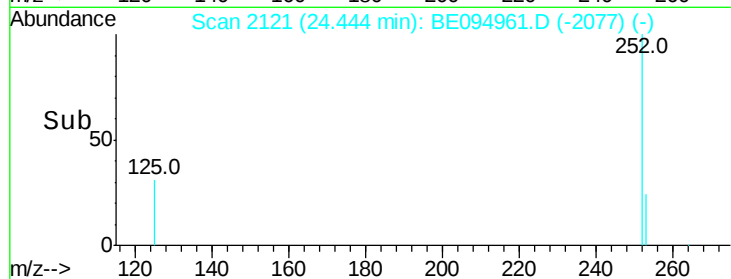
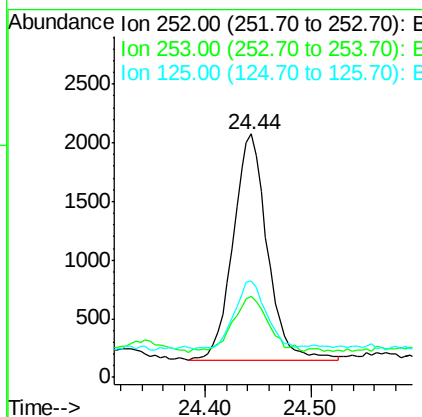
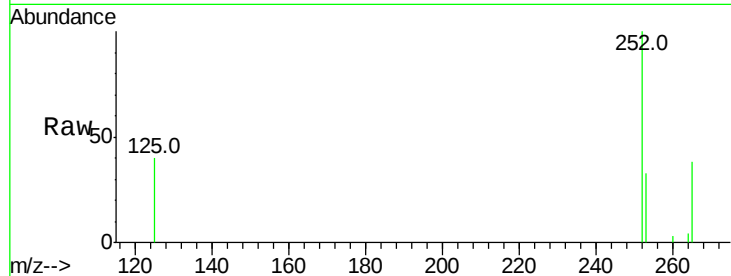
#37
Benzo(a)pyrene
Concen: 0.060 ng
RT: 24.44 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Instrument :
BNA_E
ClientSampleId :
FT-PZ-461I-20171204

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.0	52.0	78.0#
125	39.6	68.0	102.0#

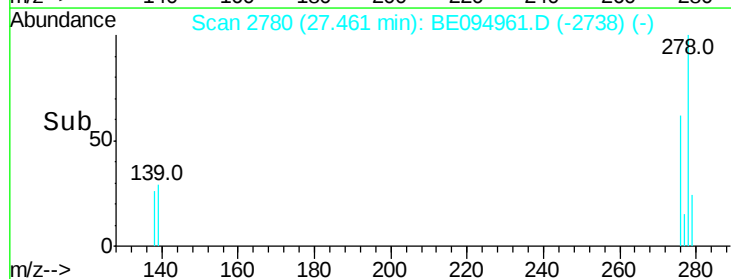
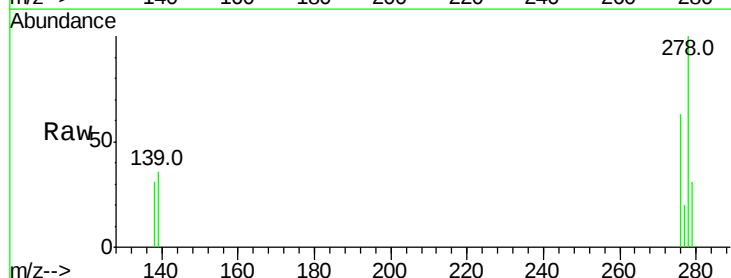
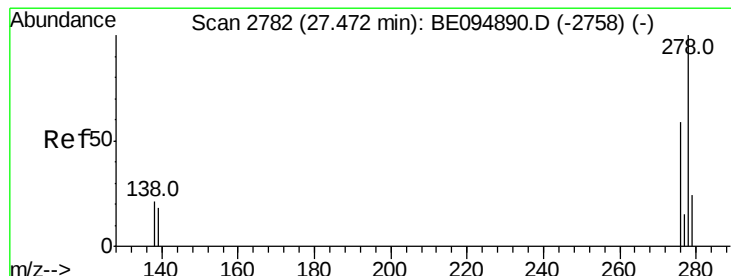
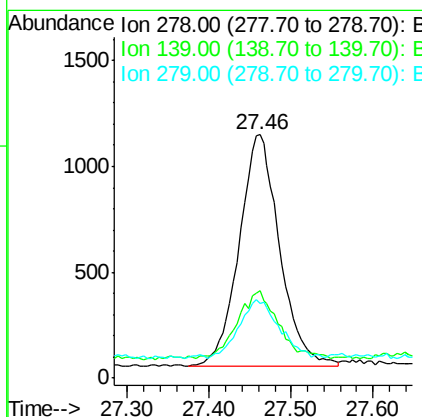
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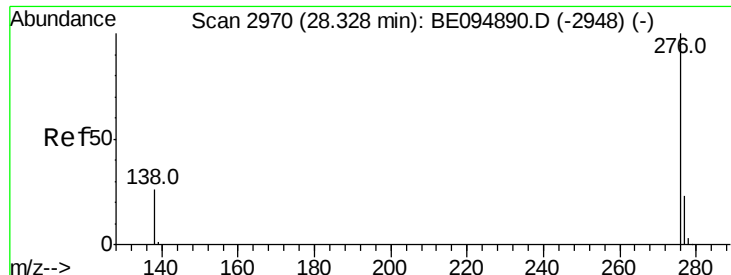
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#38
Dibenzo(a,h)anthracene
Concen: 0.057 ng
RT: 27.46 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BE094961.D
Acq: 8 Dec 2017 22:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.1	56.0	84.0#
279	30.8	52.0	78.0#





#39

Benzo(a,h,i)perylene

Concen: 0.060 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094961.D

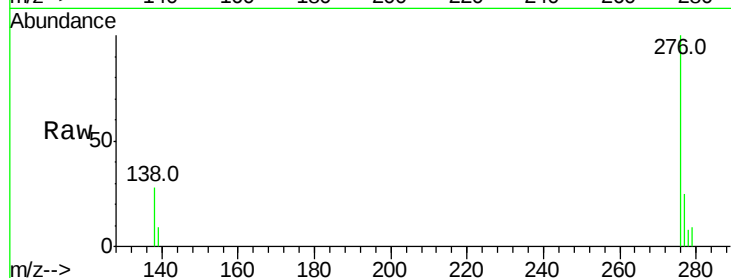
Acq: 8 Dec 2017 22:31

Instrument :

BNA_E

ClientSampleId :

FT-PZ-461I-20171204



Tot Ion: 276 Resp: 3961

Ion Ratio Lower Upper

276 100

277 25.5 52.0 78.0#

138 28.4 44.0 66.0#

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