

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094958.D
 Acq On : 8 Dec 2017 20:44
 Operator : SJ/JU
 Sample : I6740-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-453S-20171202

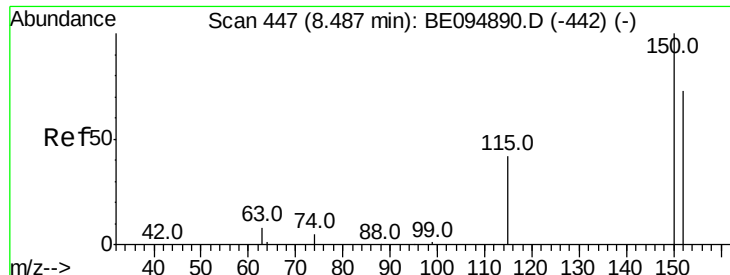
Manual Integrations
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Quant Time: Dec 09 01:41:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7103	0.40	ng	-0.02
7) Naphthalene-d8	11.33	136	16187	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9022	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	21315	0.40	ng	0.00
27) Chrysene-d12	21.89	240	21951m	0.40	ng	0.00
34) Perylene-d12	24.57	264	19368	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2130	0.19	ng	0.00
5) Phenol-d6	7.60	99	2692	0.16	ng	0.01
8) Nitrobenzene-d5	9.66	82	5857	0.61	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	10373	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	986	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	25269	0.65	ng	0.00
25) Fluoranthene-d10	19.76	212	118447	0.41	ng	0.00
29) Terphenyl-d14	20.33	244	28603	0.71	ng	0.00
Target Compounds						
17) Acenaphthene	15.14	154	1243	0.038	ng	Qvalue 84
22) Pentachlorophenol	17.43	266	203	0.186	ng	84
23) Phenanthrene	17.82	178	6313	0.093	ng	95
26) Fluoranthene	19.79	202	7466	0.086	ng	98
28) Pyrene	20.14	202	5325	0.070	ng	96
30) Benzo(a)anthracene	21.87	228	4739	0.070	ng	# 65
31) Chrysene	21.92	228	5445m	0.073	ng	
32) Bis(2-ethylhexyl)phthalate	21.75	149	17522	0.157	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.43	276	3325	0.055	ng	98
35) Benzo(b)fluoranthene	23.73	252	4430	0.063	ng	# 50
36) Benzo(k)fluoranthene	23.78	252	3469	0.048	ng	# 51
37) Benzo(a)pyrene	24.44	252	3172	0.051	ng	# 51
38) Dibenzo(a,h)anthracene	27.46	278	2501	0.044	ng	# 56
39) Benzo(g,h,i)perylene	28.32	276	2771	0.048	ng	# 60

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.02 min

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BNA_E

ClientSampleId :

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Tot Ion:152 Resp: 7103

Ion Ratio Lower Upper

152 100

150 150.3 117.2 175.8

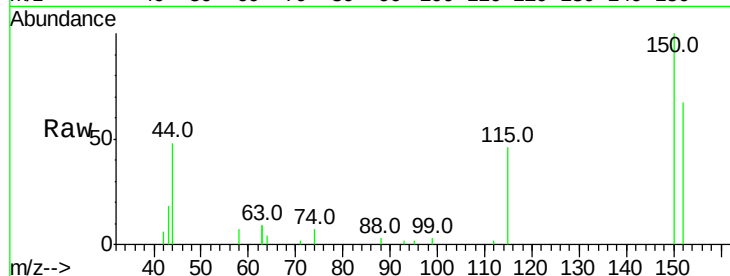
115 69.1 57.0 85.6

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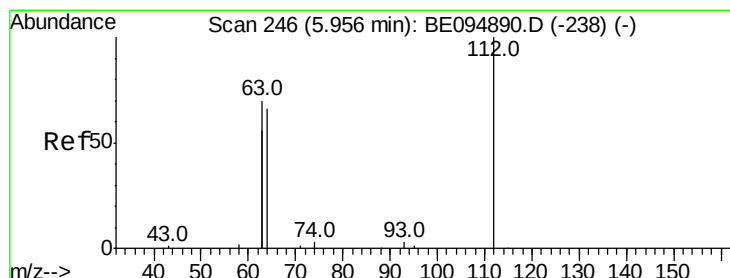
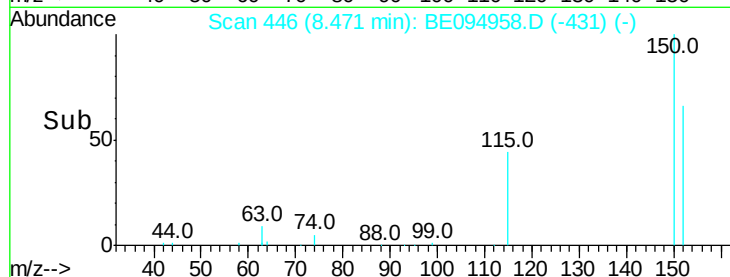
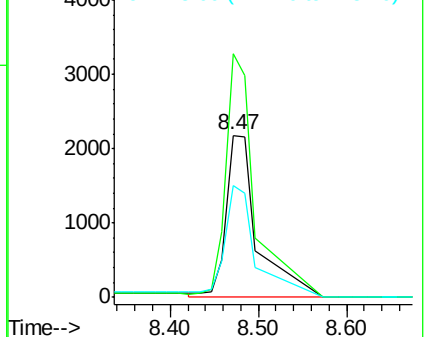
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.189 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

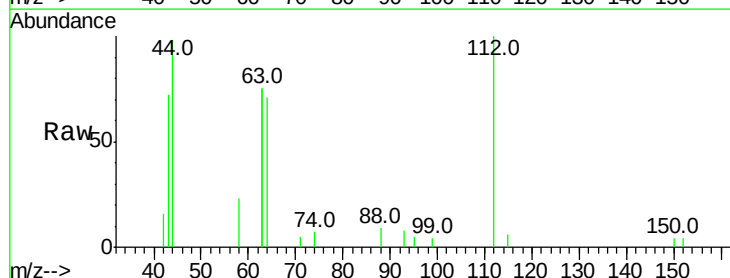
Tgt Ion:112 Resp: 2130

Ion Ratio Lower Upper

112 100

64 79.5 60.1 90.1

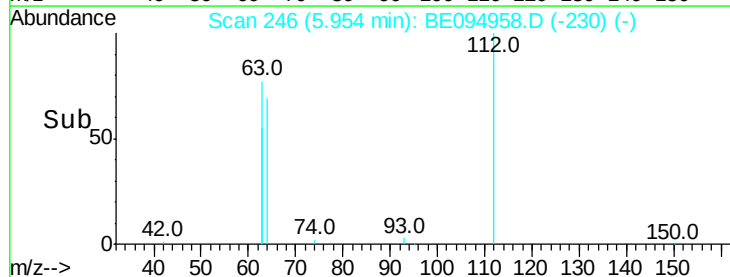
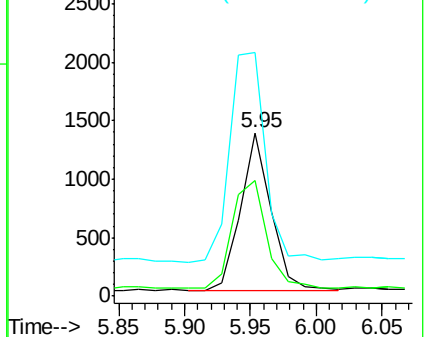
63 157.9 116.8 175.2

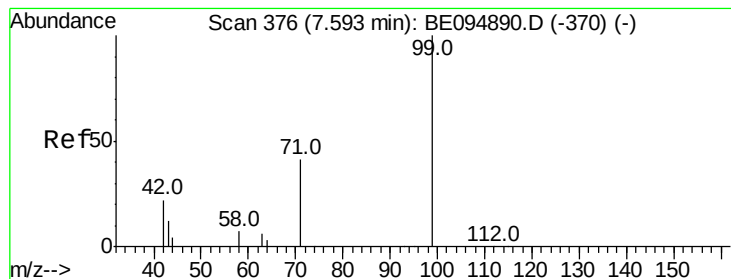


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.162 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Instrument :

BNA_E

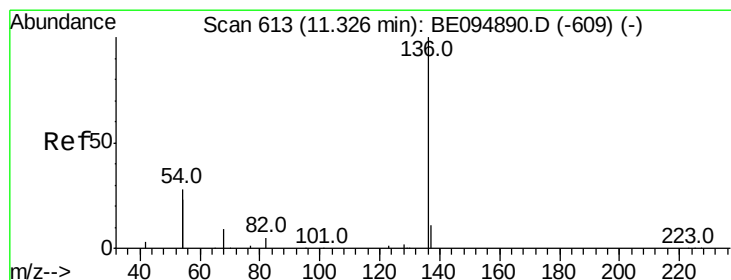
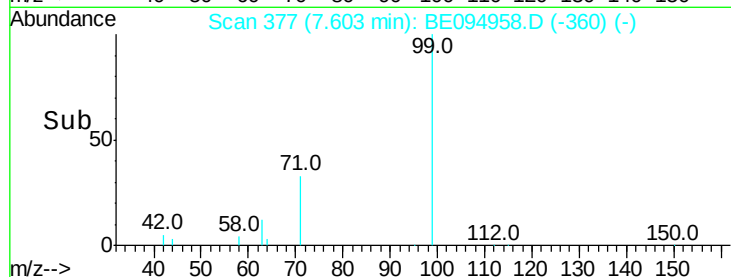
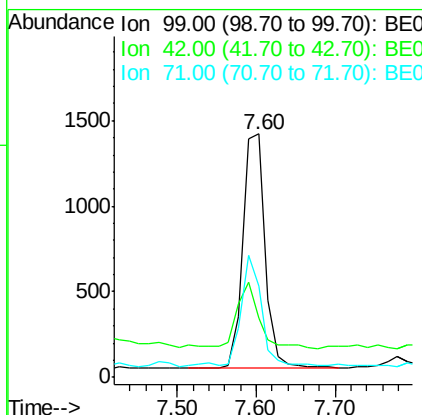
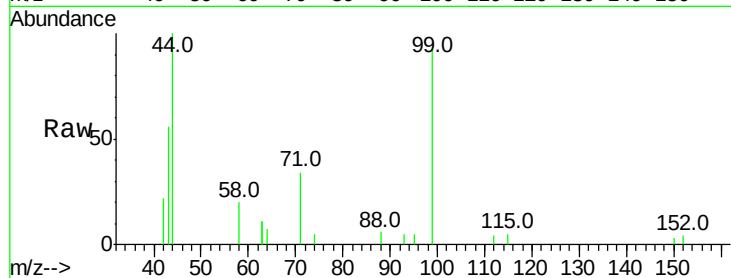
ClientSampleId :

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Tot Ion:	99	Resp:	2692
Ion	Ratio	Lower	Upper
99	100		
42	27.0	20.2	30.2
71	44.5	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

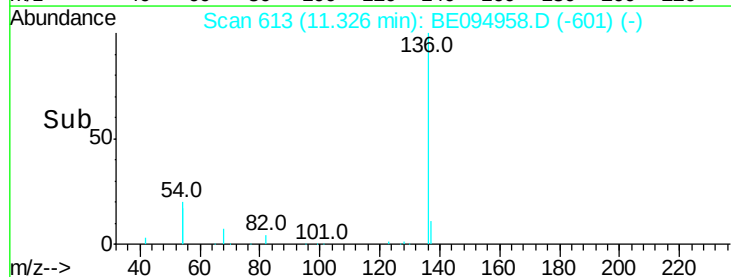
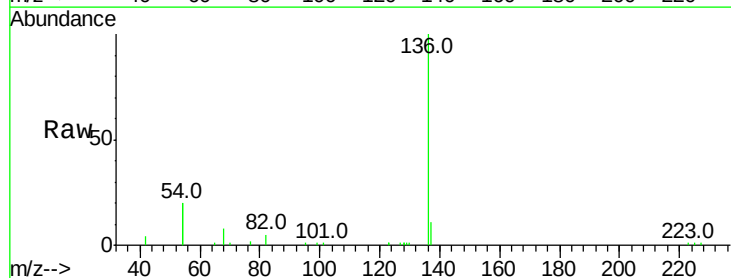
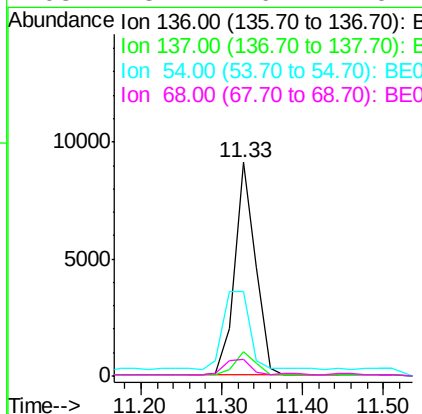
RT: 11.33 min Scan# 613

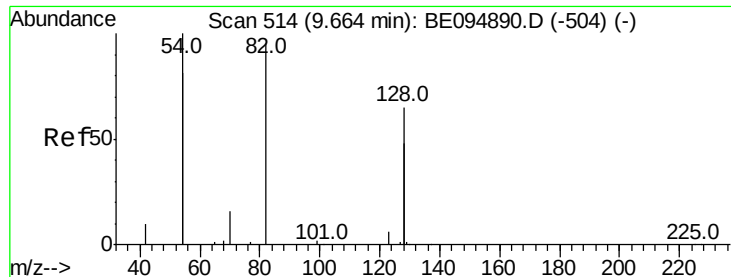
Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Tgt Ion:	136	Resp:	16187
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	39.7	29.1	43.7
68	8.1	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.611 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Instrument :

BNA_E

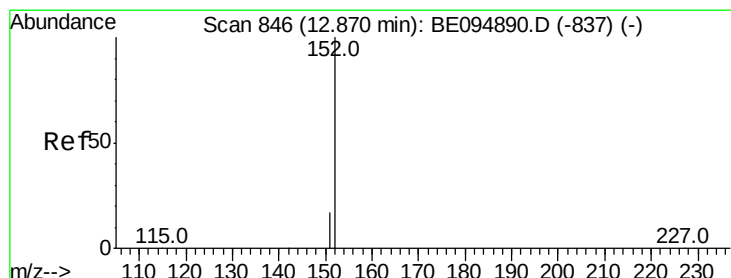
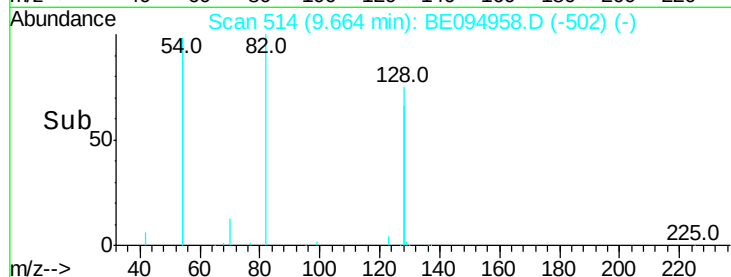
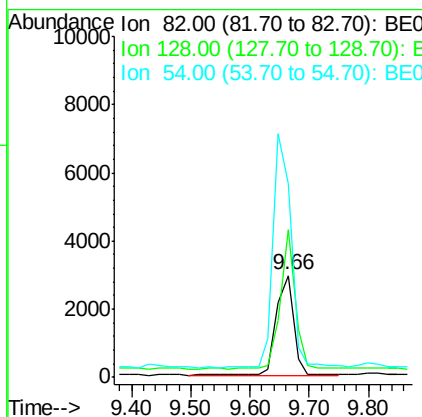
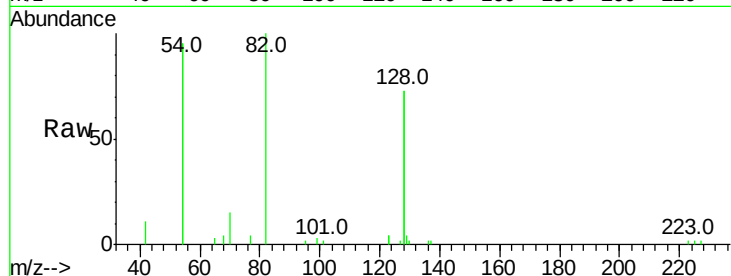
ClientSampleId :

FT-PZ-453S-20171202

Tot Ion:	82	Resp:	5857
Ion	Ratio	Lower	Upper
82	100		
128	145.8	150.0	225.0#
54	190.3	154.2	231.4

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#11

2-Methylnaphthalene-d10

Concen: 0.402 ng

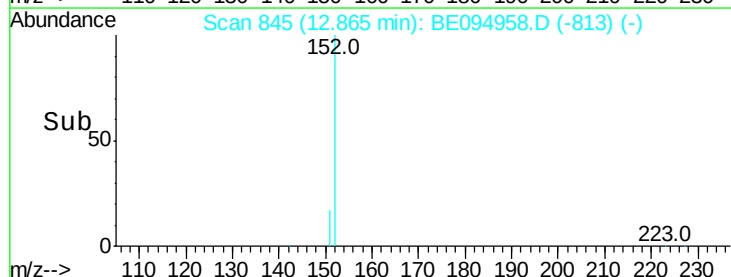
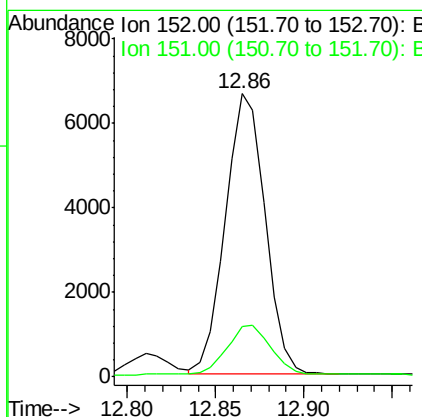
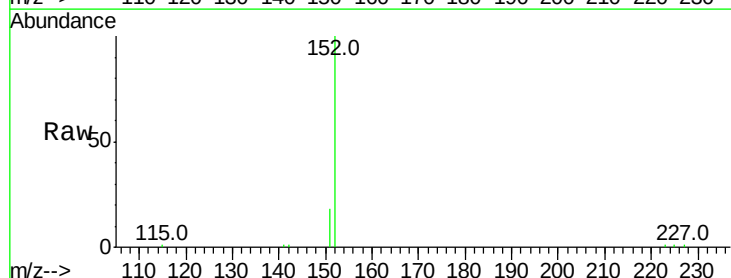
RT: 12.86 min Scan# 845

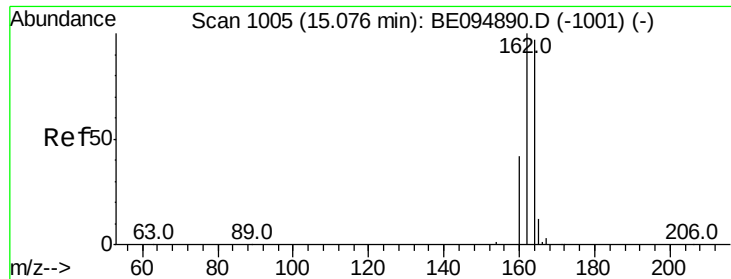
Delta R.T. -0.01 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Tgt Ion:	152	Resp:	10373
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0





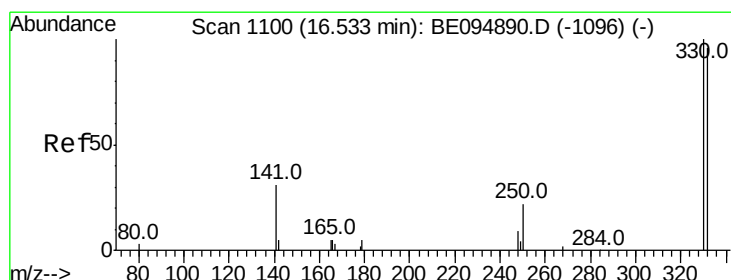
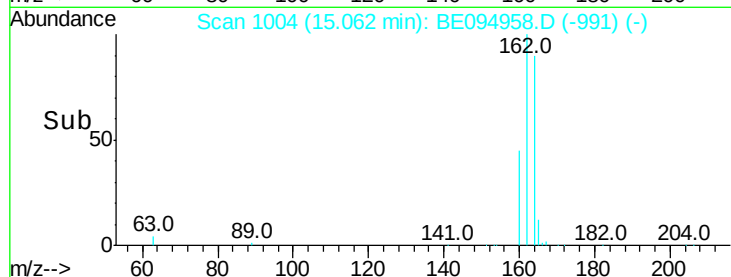
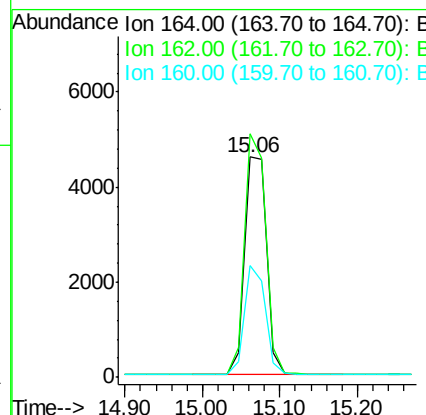
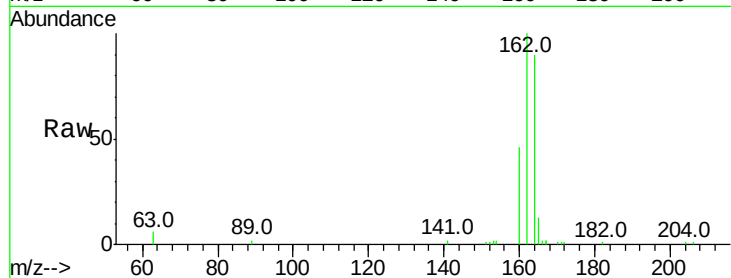
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	110.6	83.1	124.7
160	50.9	37.1	55.7

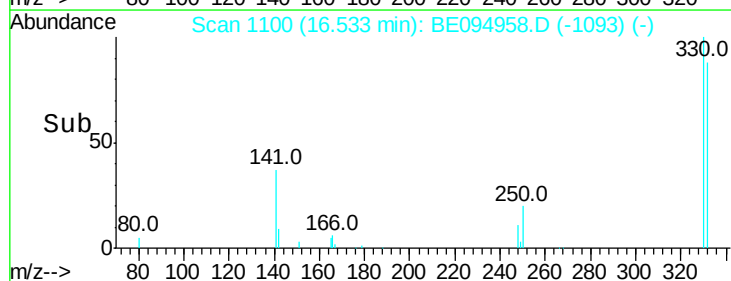
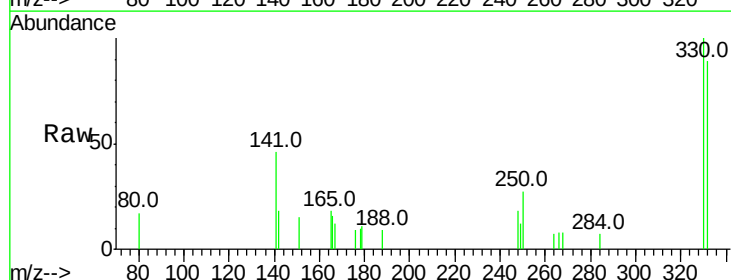
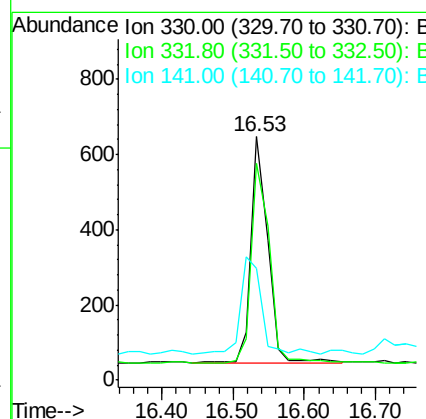
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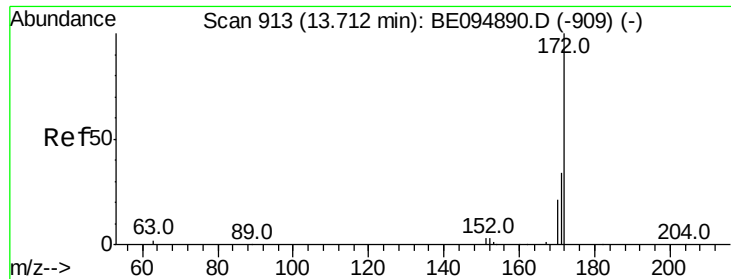
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#14
2,4,6-Tribromophenol
Concen: 0.507 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	152.7	229.1#
141	55.2	33.7	50.5#





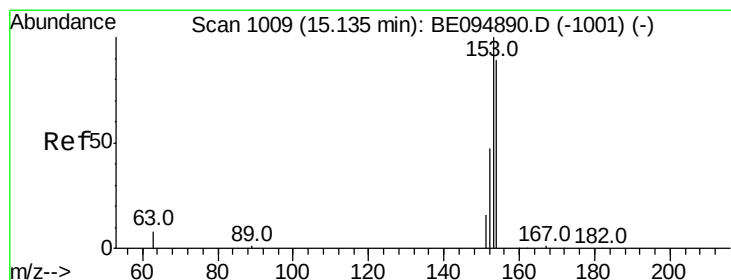
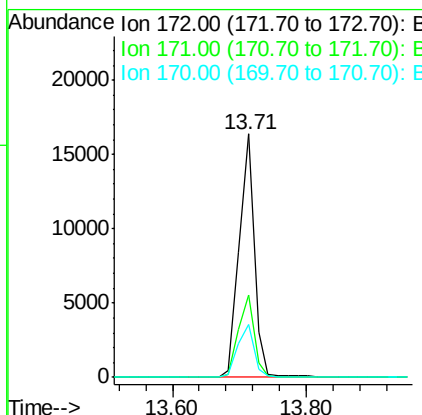
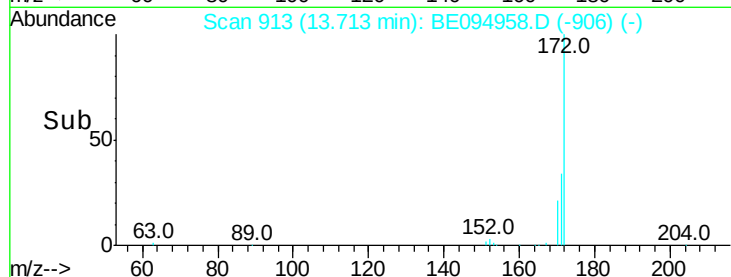
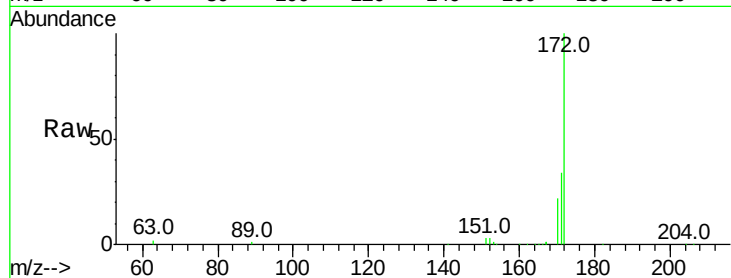
#15
2-Fluorobiphenyl
Concen: 0.654 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.9	44.9
170	21.6	21.8	32.8

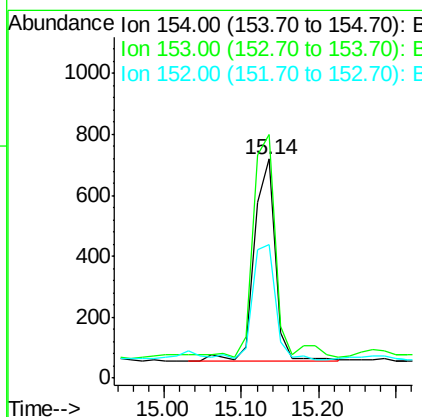
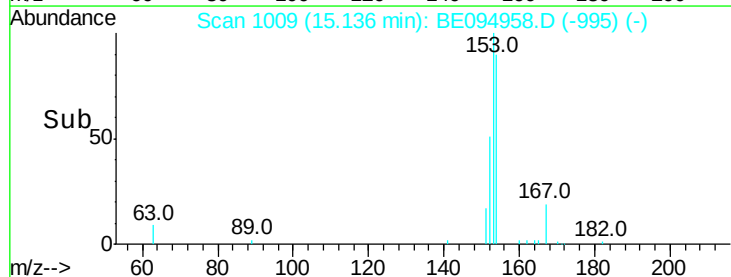
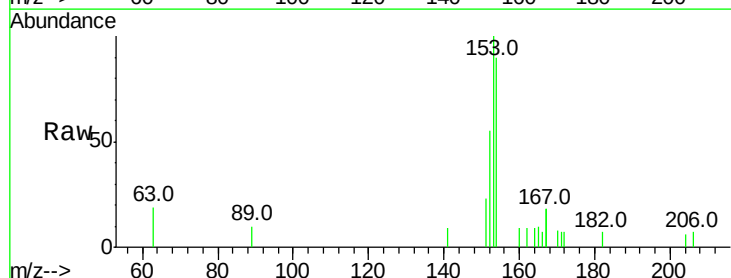
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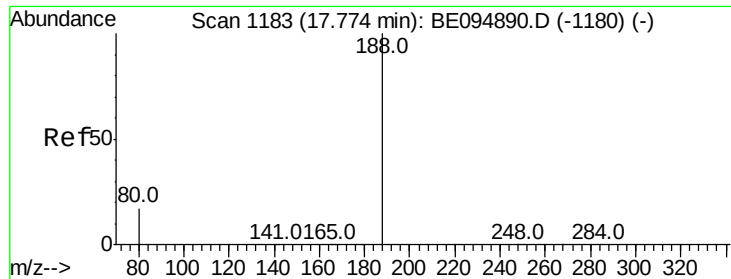
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#17
Acenaphthene
Concen: 0.038 ng
RT: 15.14 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	130.3	89.2	133.8
152	61.6	42.0	63.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Instrument :

BNA_E

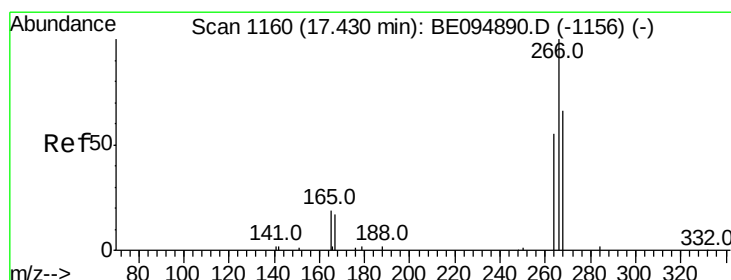
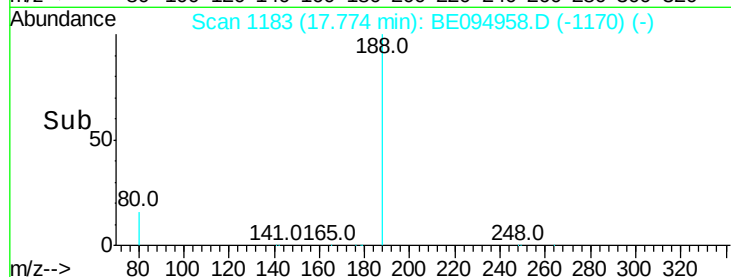
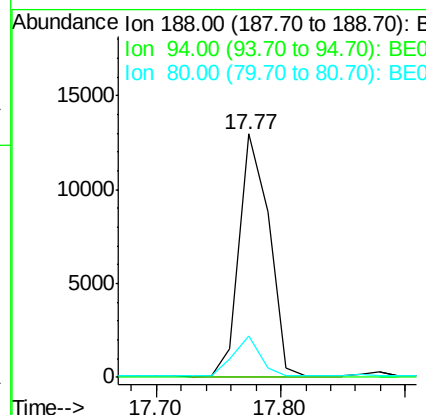
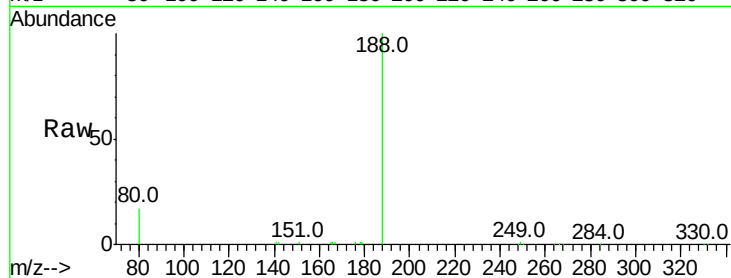
ClientSampleId :

FT-PZ-453S-20171202

Tot Ion:	188	Resp:	21315
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	16.8	3.6	5.4#

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#22

Pentachlorophenol

Concen: 0.186 ng

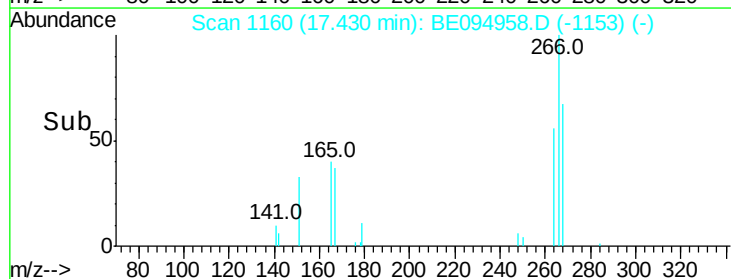
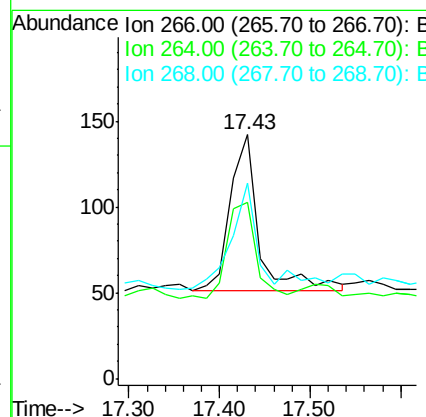
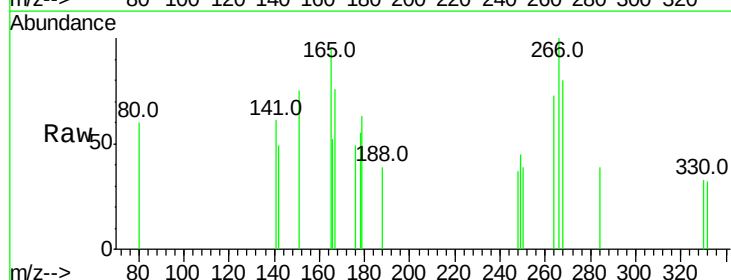
RT: 17.43 min Scan# 1160

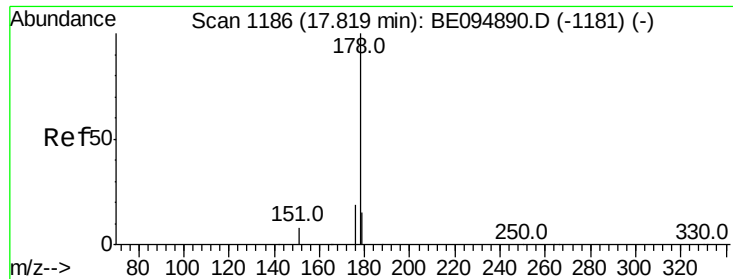
Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Tgt Ion:	266	Resp:	203
Ion Ratio	Lower	Upper	
266	100		
264	72.5	72.5	108.7
268	80.3	73.8	110.6





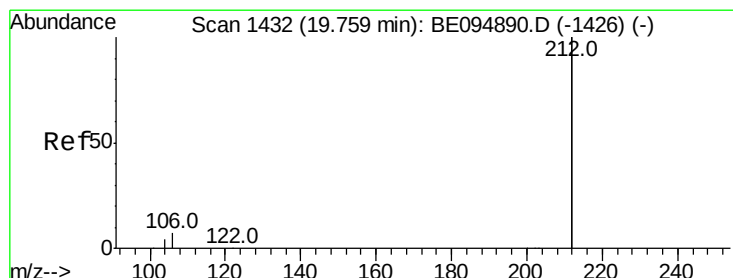
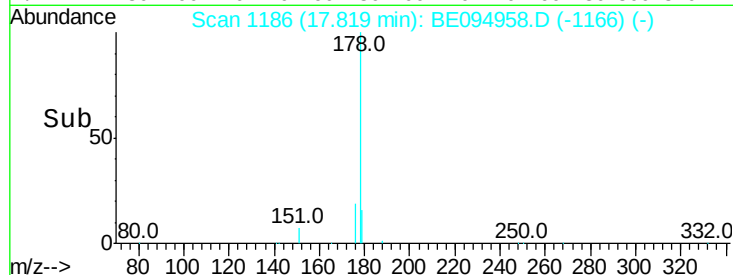
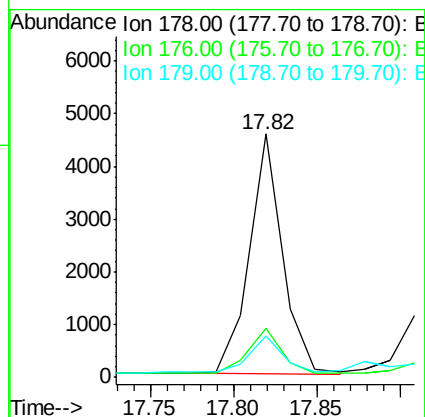
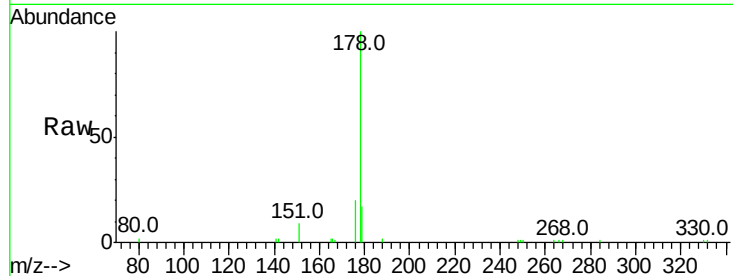
#23
Phenanthrene
Concen: 0.093 ng
RT: 17.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.1	22.7
179	17.5	11.8	17.6

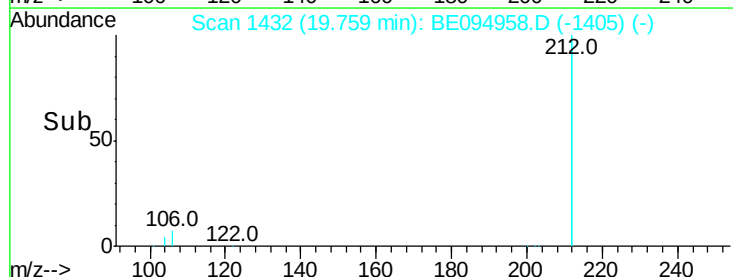
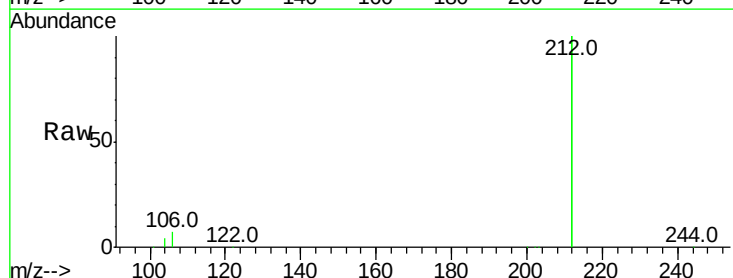
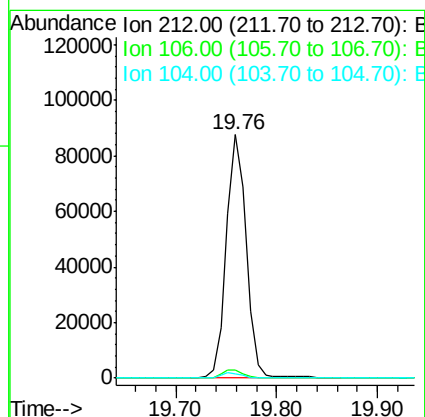
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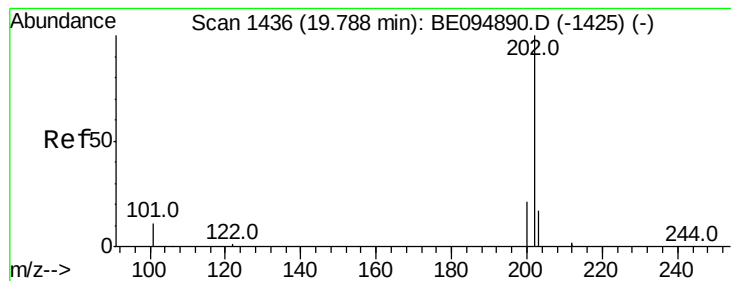
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#25
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

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





#26

Fluoranthene

Concen: 0.086 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Instrument :

BNA_E

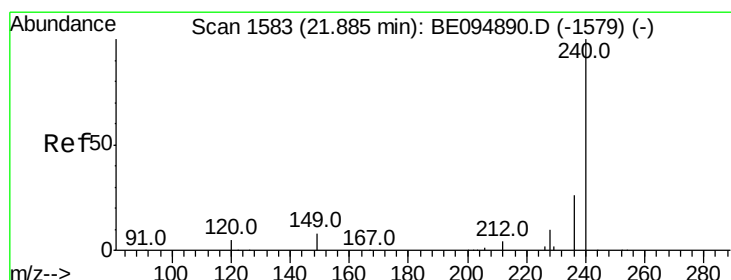
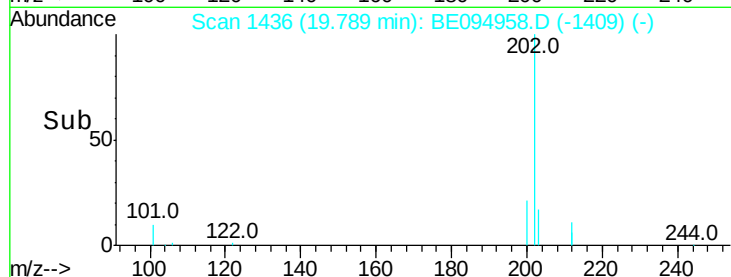
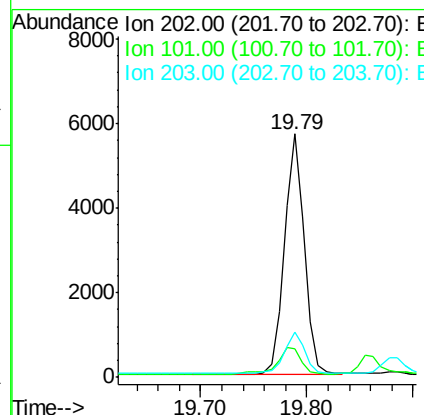
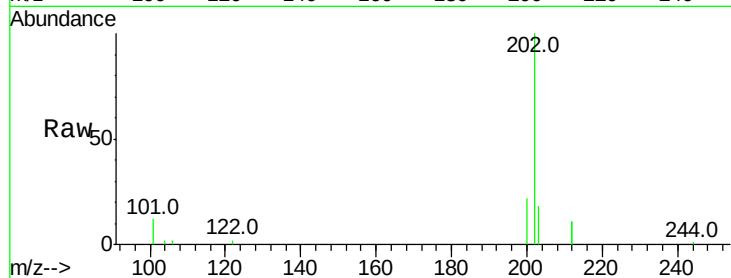
ClientSampleId :

FT-PZ-453S-20171202

Tot Ion:	202	Resp:	7466
Ion Ratio	Lower	Upper	
202	100		
101	13.5	9.8	14.8
203	16.9	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng m

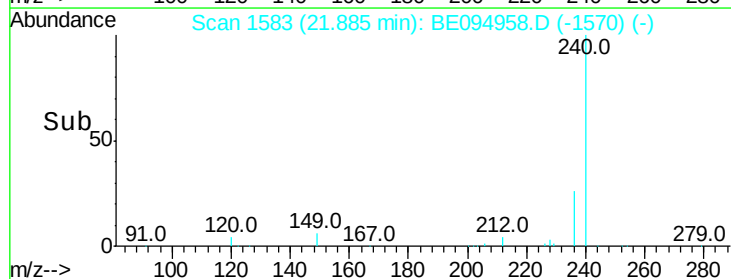
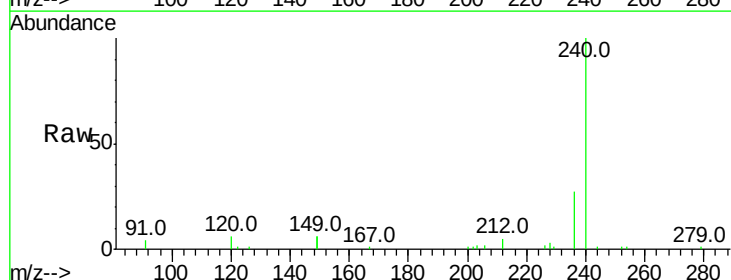
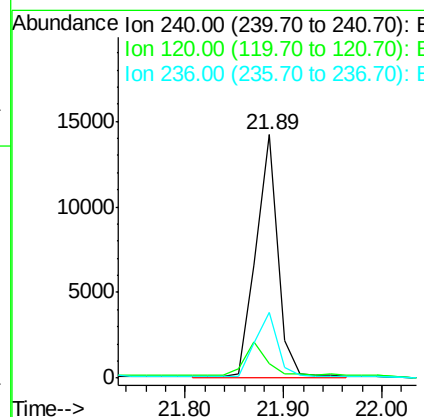
RT: 21.89 min Scan# 1583

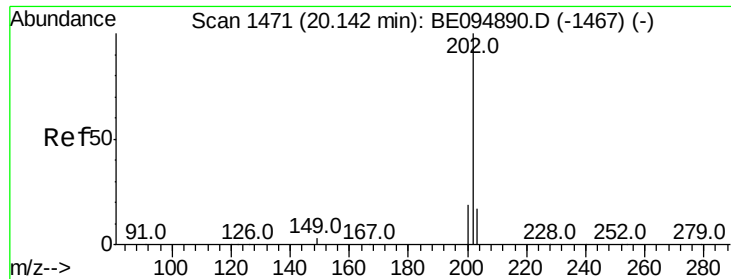
Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Tgt Ion:	240	Resp:	21951
Ion Ratio	Lower	Upper	
240	100		
120	5.8	5.5	8.3
236	26.9	20.7	31.1





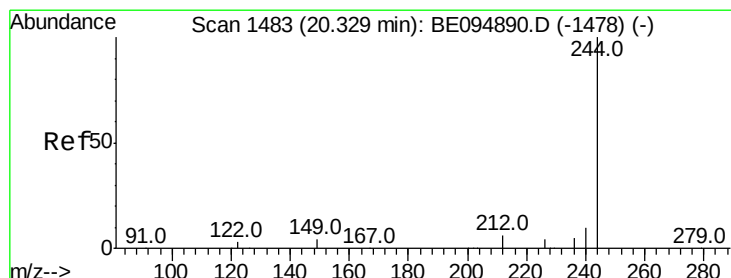
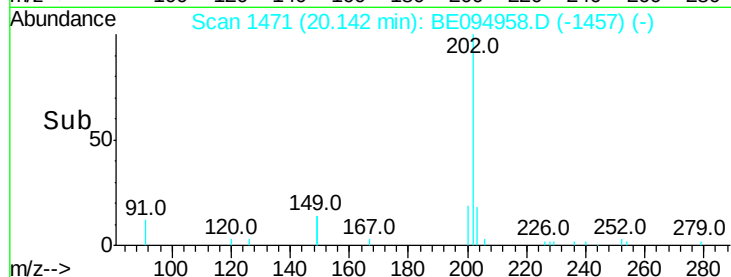
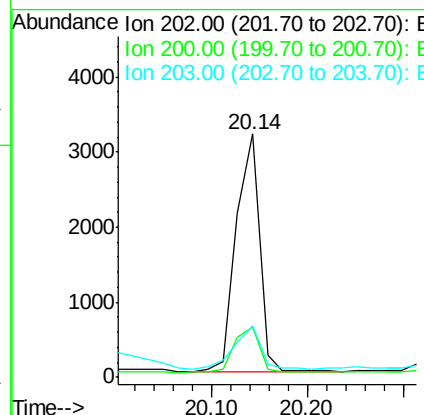
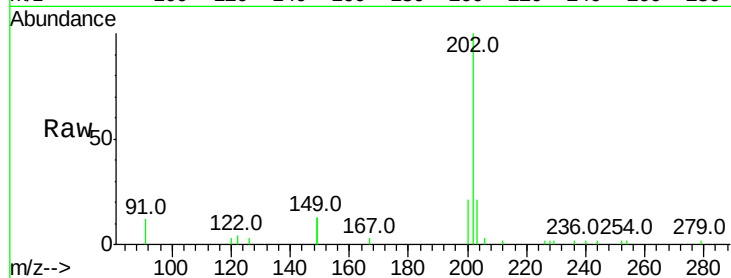
#28
Pvrene
Concen: 0.070 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	20.3	13.8	20.8

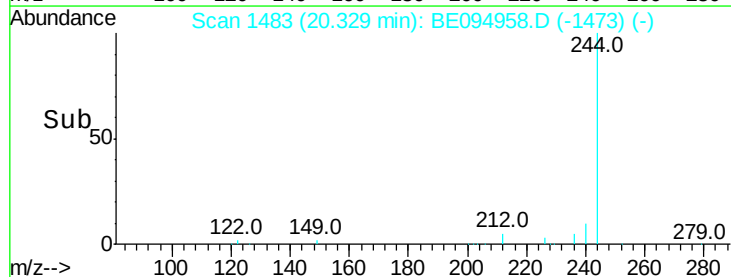
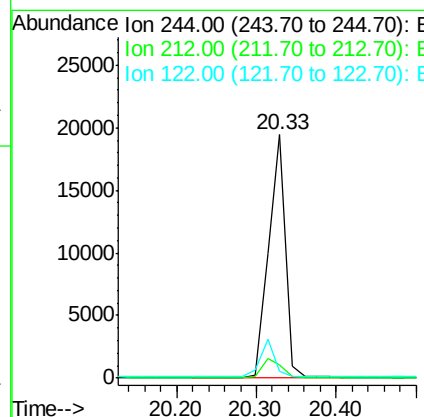
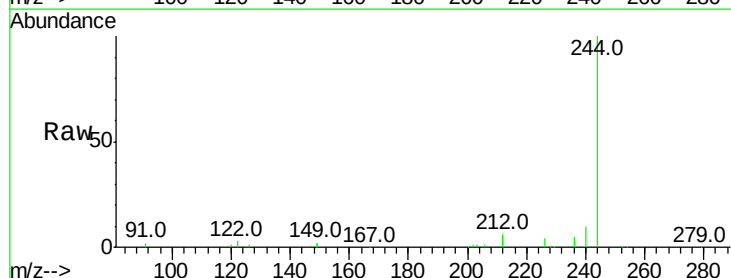
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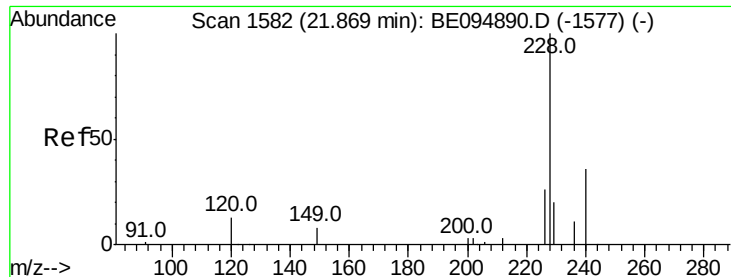
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#29
Terphenyl-d14
Concen: 0.706 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.6	25.4	38.0#
122	2.8	8.1	12.1#





#30

Benzo(a)anthracene

Concen: 0.070 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Instrument :

BNA_E

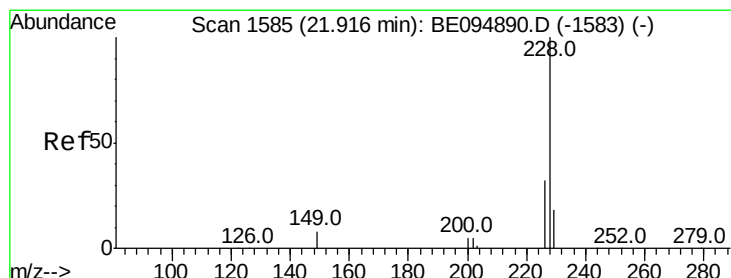
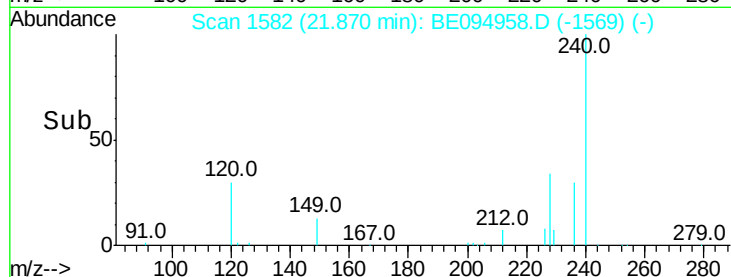
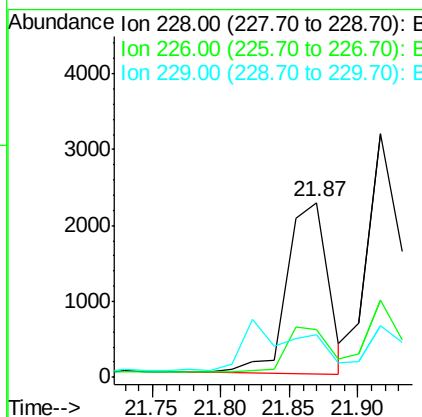
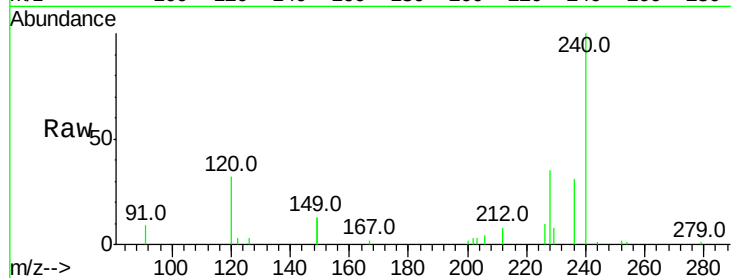
ClientSampleId :

FT-PZ-453S-20171202

Tot Ion:	228	Resp:	4739
Ion	Ratio	Lower	Upper
228	100		
226	27.6	40.0	60.0#
229	24.4	40.0	60.0#

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#31

Chrysene

Concen: 0.073 ng m

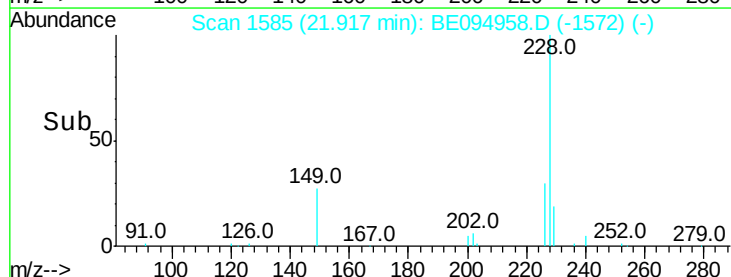
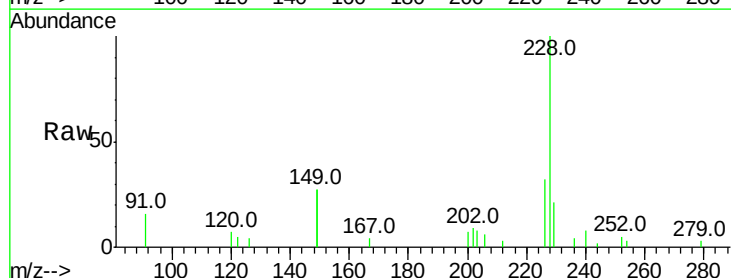
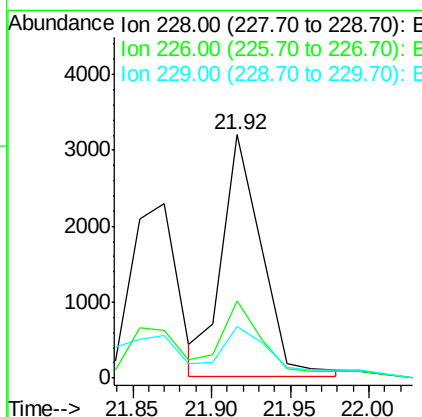
RT: 21.92 min Scan# 1585

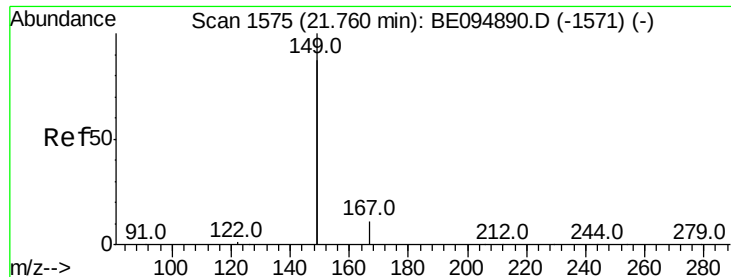
Delta R.T. 0.00 min

Lab File: BE094958.D

Acq: 8 Dec 2017 20:44

Tgt Ion:	228	Resp:	5445
Ion	Ratio	Lower	Upper
228	100		
226	31.7	40.0	60.0#
229	21.3	40.0	60.0#





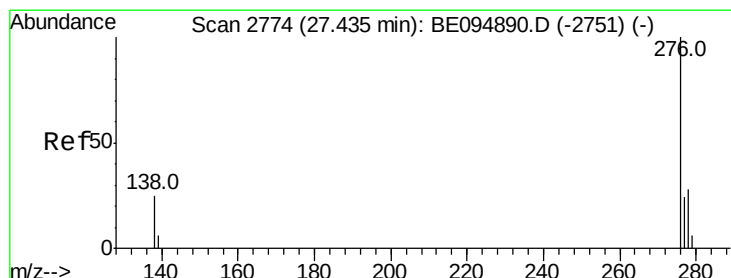
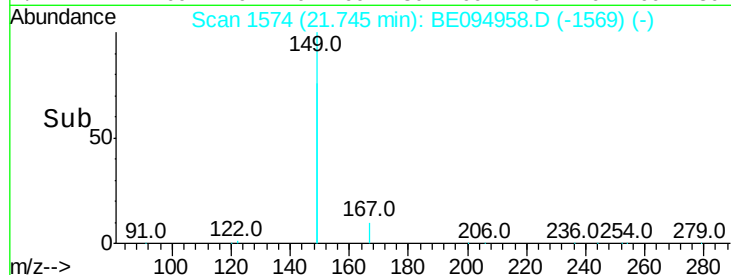
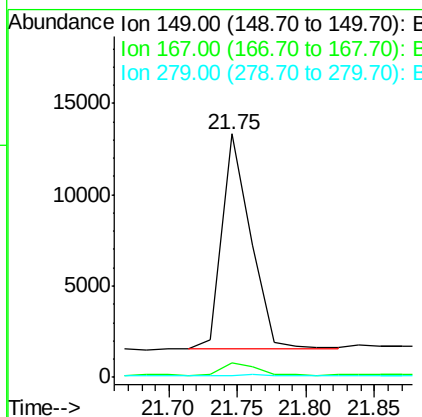
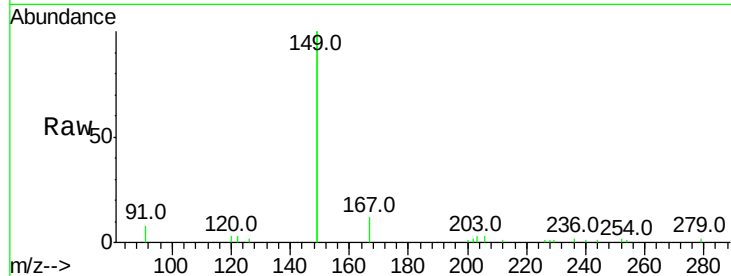
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.157 ng
 RT: 21.75 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BE094958.D
 Acq: 8 Dec 2017 20:44

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	1.2	0.7	1.1#

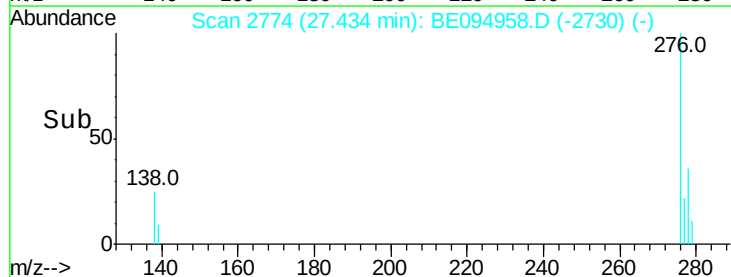
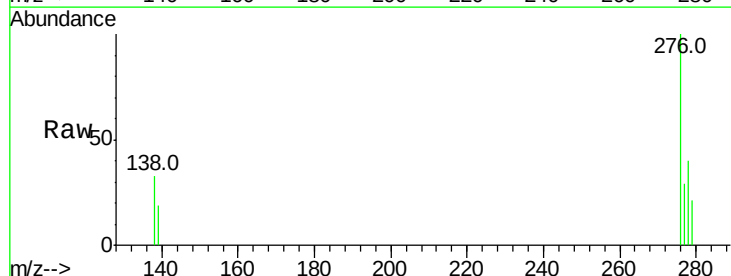
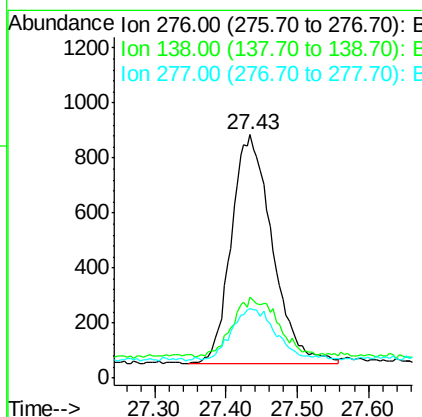
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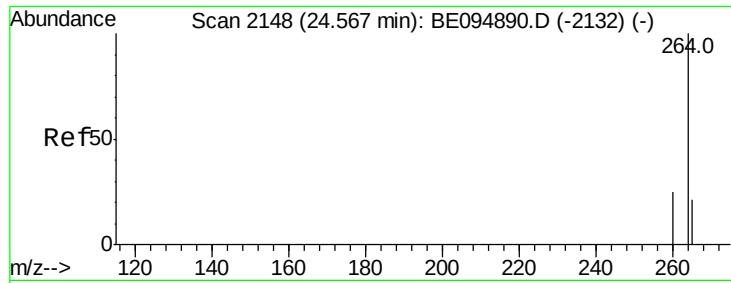
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.055 ng
 RT: 27.43 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: BE094958.D
 Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	22.5	33.7
277	23.7	19.9	29.9





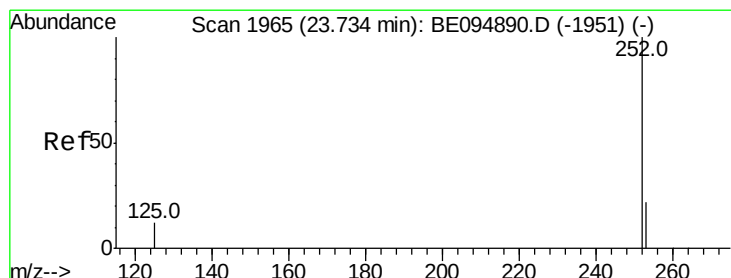
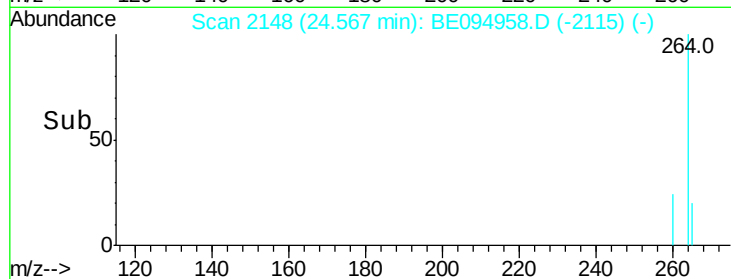
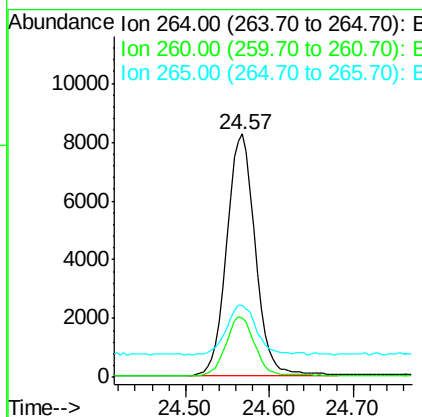
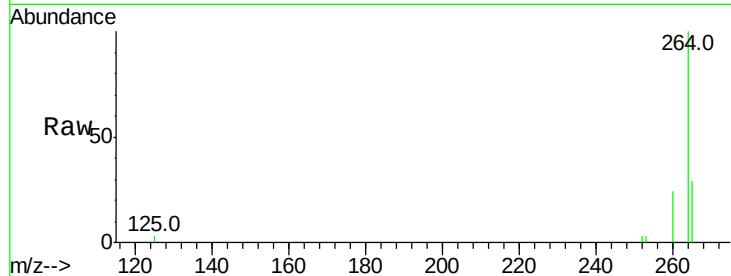
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BE094958.D
 Acq: 8 Dec 2017 20:44

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.5	30.7
265	29.5	22.8	34.2

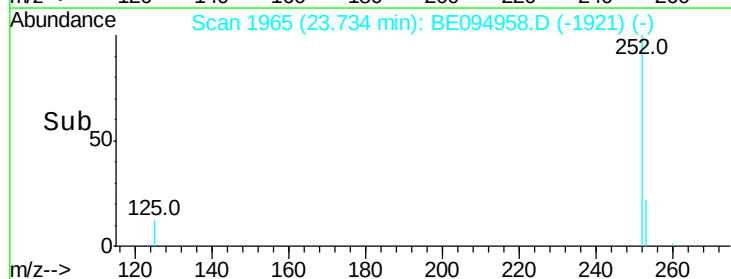
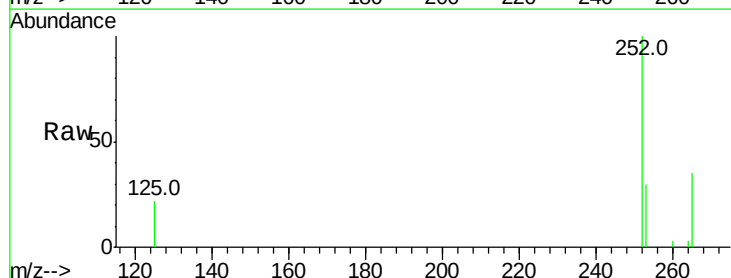
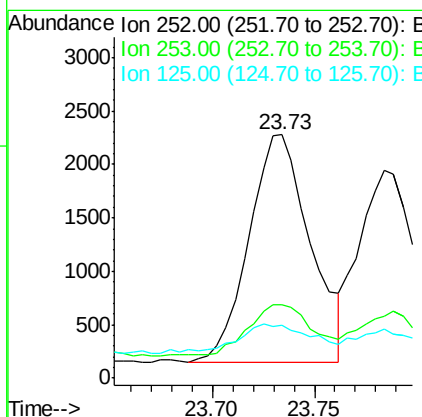
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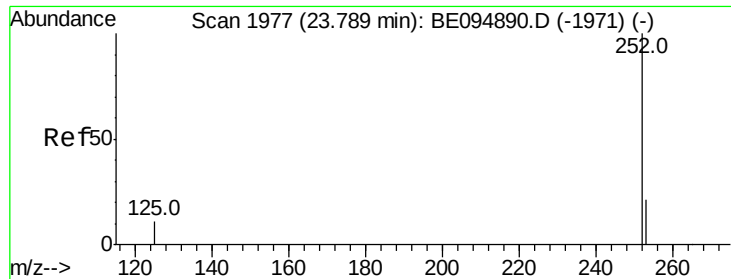
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#35
 Benzo(b)fluoranthene
 Concen: 0.063 ng
 RT: 23.73 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: BE094958.D
 Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	48.0	72.0#
125	21.5	56.0	84.0#





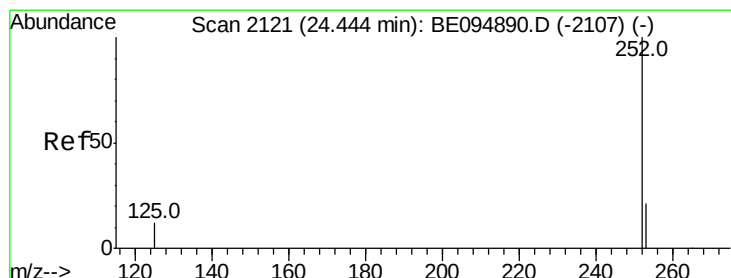
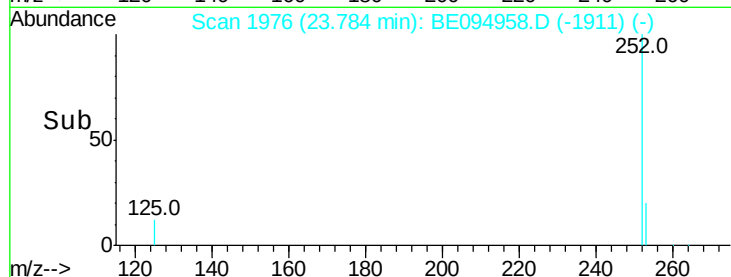
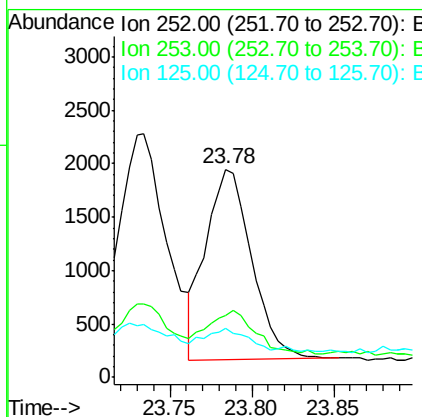
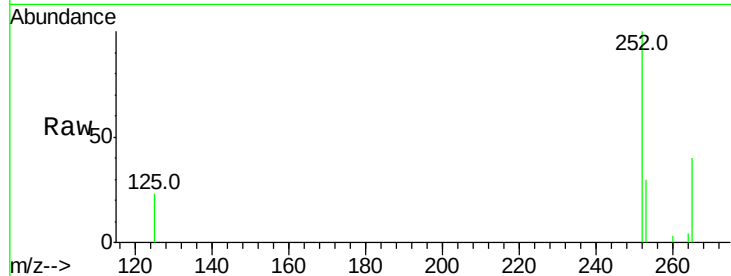
#36
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	48.0	72.0#
125	23.4	56.0	84.0#

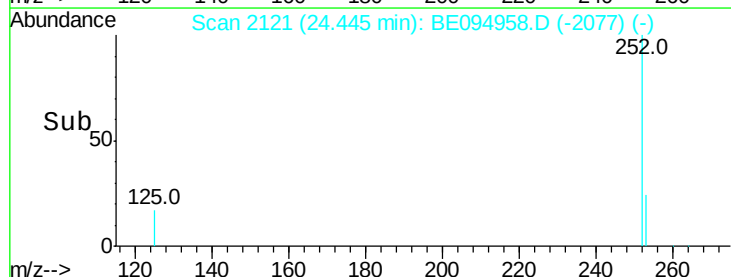
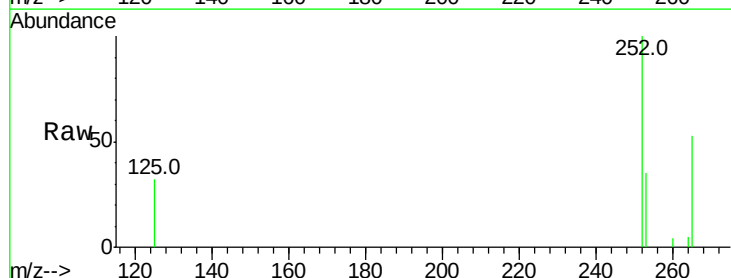
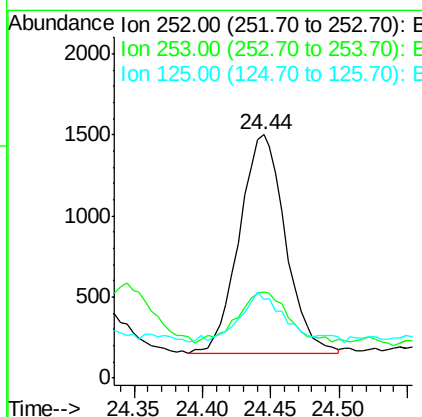
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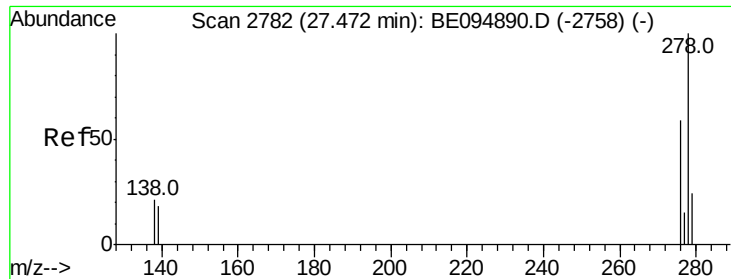
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#37
Benzo(a)pyrene
Concen: 0.051 ng
RT: 24.44 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.4	52.0	78.0#
125	32.3	68.0	102.0#





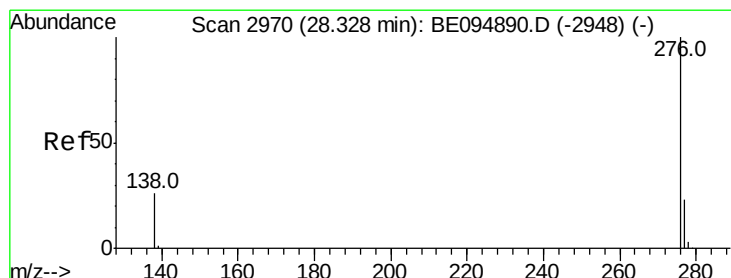
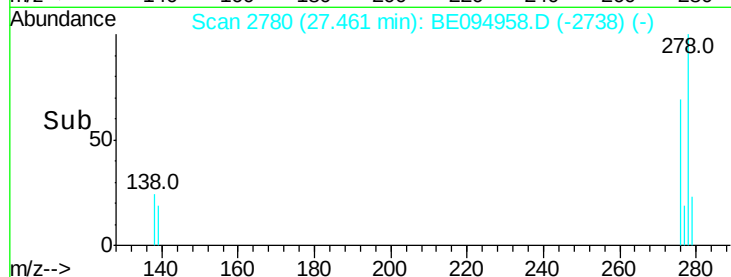
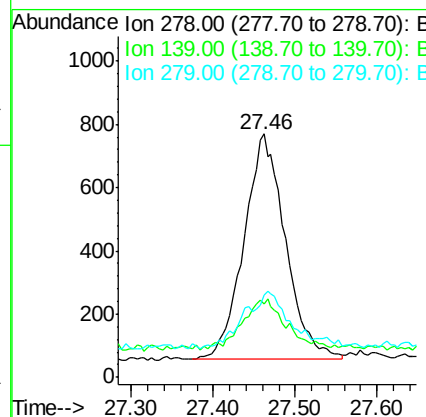
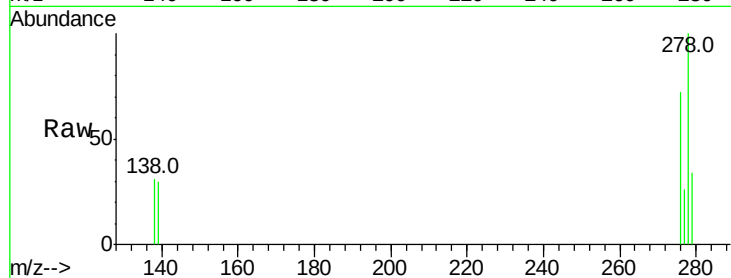
#38
Dibenzo(a,h)anthracene
Concen: 0.044 ng
RT: 27.46 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Instrument :
BNA_E
ClientSampleId :
FT-PZ-453S-20171202

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.0	56.0	84.0#
279	33.8	52.0	78.0#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.048 ng
RT: 28.32 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BE094958.D
Acq: 8 Dec 2017 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.4	52.0	78.0#
138	29.0	44.0	66.0#

