

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121517\
 Data File : BE094999.D
 Acq On : 15 Dec 2017 13:28
 Operator : SJ/JU
 Sample : I6876-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-171211

Manual Integrations
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 12/15/2017 7:52:18 PM

Quant Time: Dec 15 19:21:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7440	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16254	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9325	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	21818	0.40	ng	0.00
27) Chrysene-d12	21.87	240	24320	0.40	ng	0.00
34) Perylene-d12	24.55	264	19004	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2136	0.18	ng	0.00
5) Phenol-d6	7.59	99	1999	0.12	ng	0.00
8) Nitrobenzene-d5	9.65	82	6370	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	10975	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1449	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	19688	0.48	ng	0.00
25) Fluoranthene-d10	19.75	212	121750	0.43	ng	0.00
29) Terphenyl-d14	20.31	244	26137	0.57	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.66	88	1432	0.195	ng	Qvalue # 71
9) Naphthalene	11.38	128	7217	0.038	ng	# 97
30) Benzo(a)anthracene	21.85	228	2934m	0.041	ng	
31) Chrysene	21.92	228	2939m	0.037	ng	
32) Bis(2-ethylhexyl)phthalate	21.73	149	31845	0.352	ng	99
33) Indeno(1,2,3-cd)pyrene	27.41	276	2642	0.041	ng	99
35) Benzo(b)fluoranthene	23.71	252	2725	0.039	ng	# 80
36) Benzo(k)fluoranthene	23.77	252	2700	0.038	ng	# 64
37) Benzo(a)pyrene	24.43	252	1642	0.027	ng	# 35
38) Dibenzo(a,h)anthracene	27.44	278	2159	0.038	ng	# 76
39) Benzo(g,h,i)perylene	28.30	276	2219	0.039	ng	# 80

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

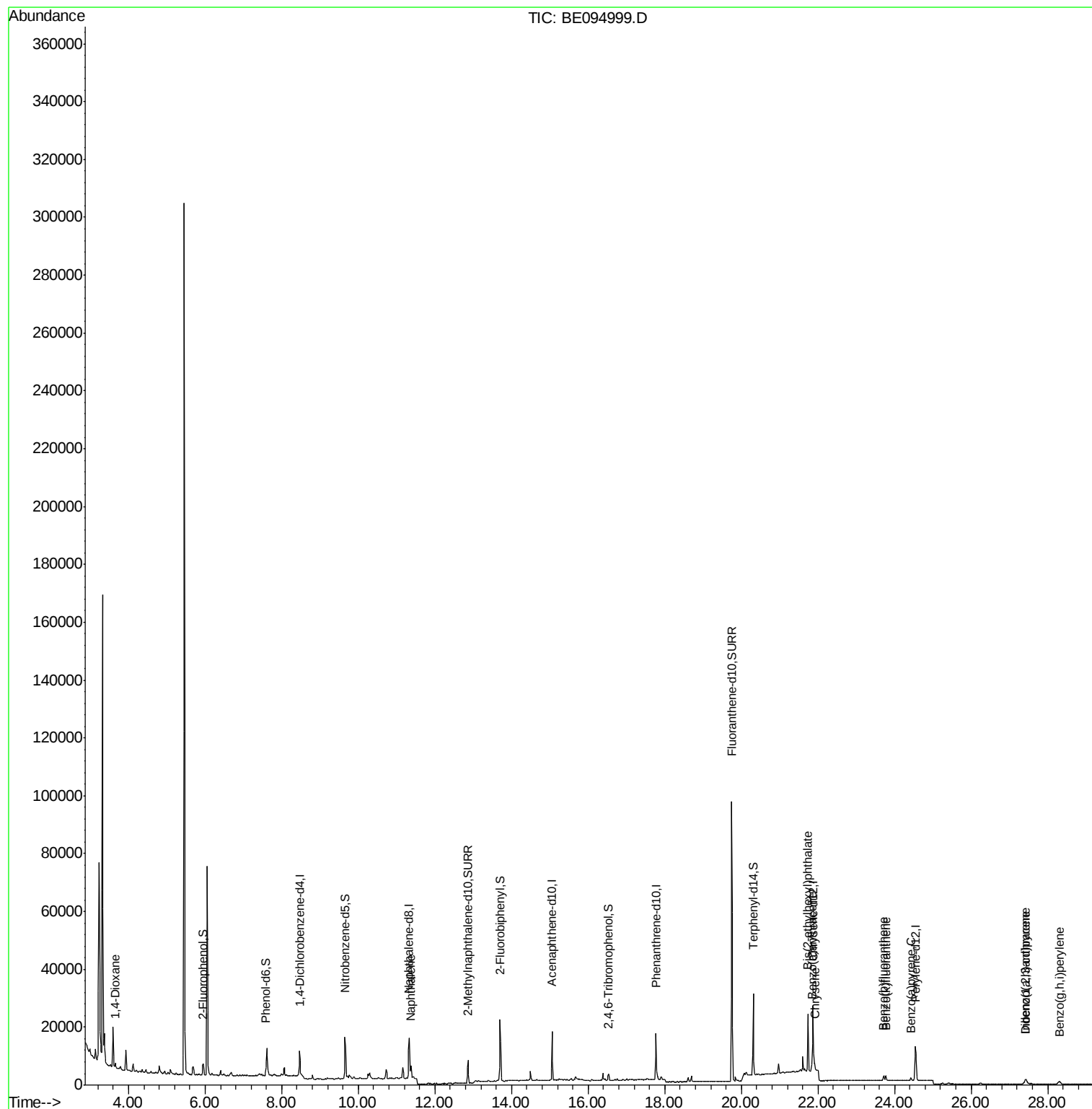
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121517\
Data File : BE094999.D
Acq On : 15 Dec 2017 13:28
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

Lab File: BE094999.D

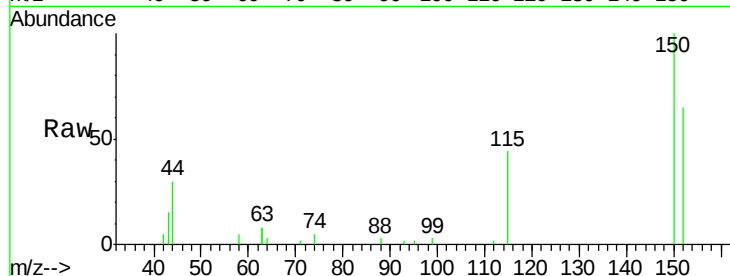
Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

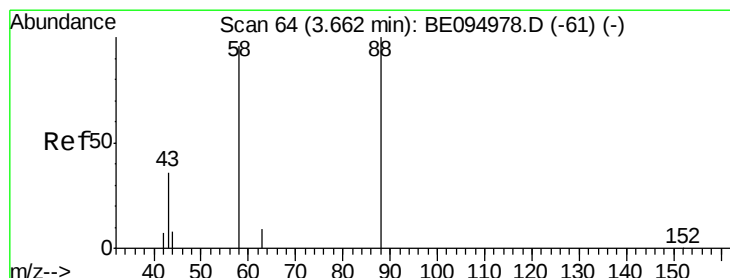
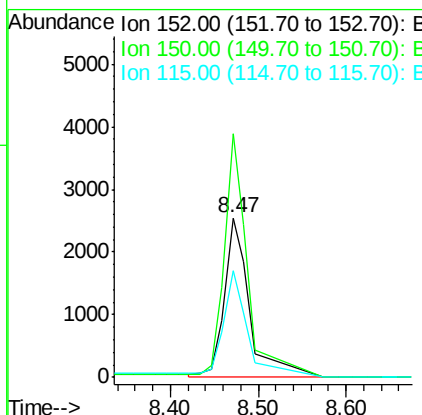
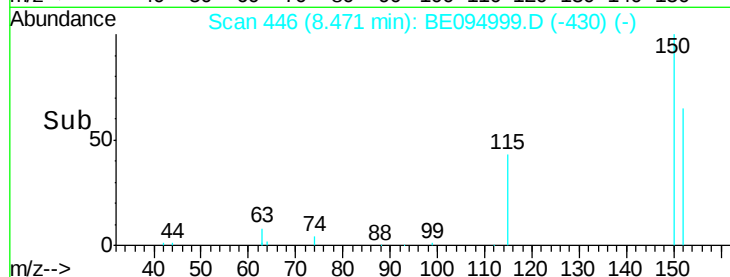
KY038PS027-171211



Tgt Ion:	152	Resp:	7440
Ion Ratio	Lower	Upper	
152	100		
150	153.0	117.2	175.8
115	67.2	57.0	85.6

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#2

1,4-Dioxane

Concen: 0.195 ng

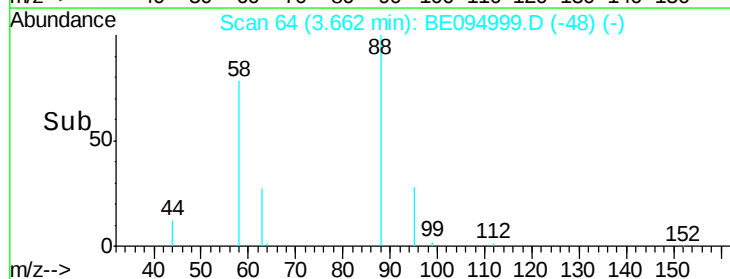
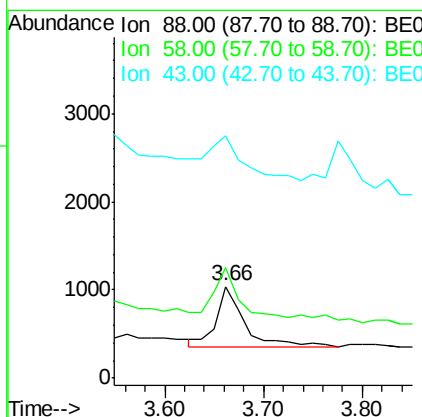
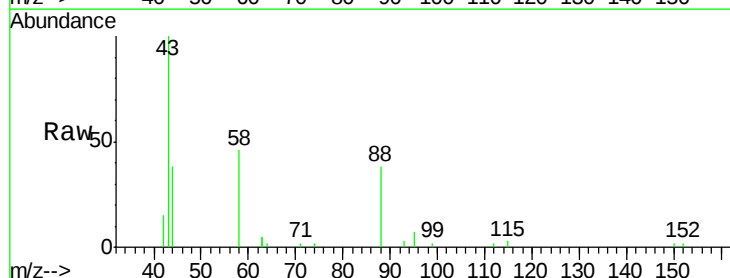
RT: 3.66 min Scan# 64

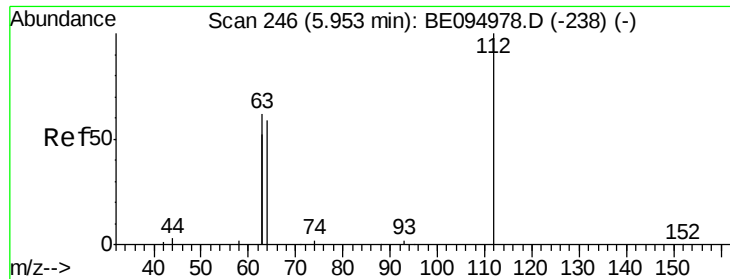
Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion:	88	Resp:	1432
Ion Ratio	Lower	Upper	
88	100		
58	97.8	63.2	94.8#
43	79.7	41.2	61.8#





#4

2-Fluorophenol

Concen: 0.185 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

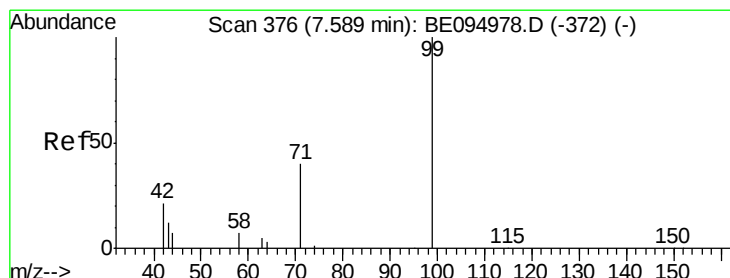
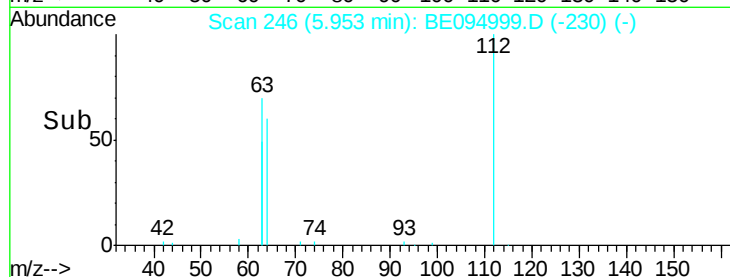
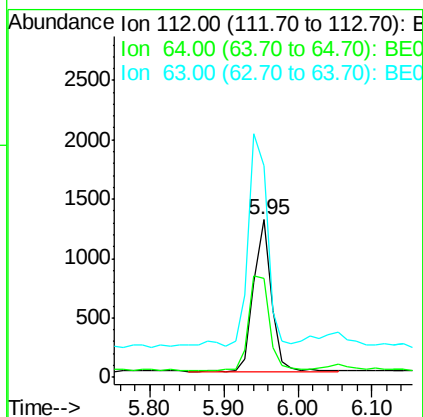
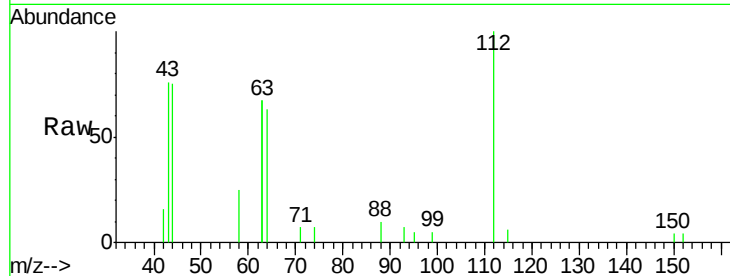
ClientSampleId :

KY038PS027-171211

Tgt Ion:	112	Resp:	2136
Ion Ratio	Lower	Upper	
112	100		
64	71.3	60.1	90.1
63	147.5	116.8	175.2

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#5

Phenol-d6

Concen: 0.116 ng

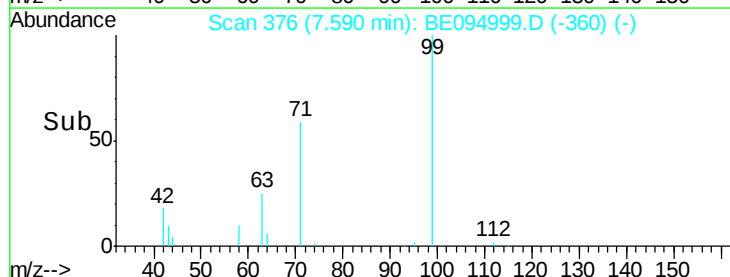
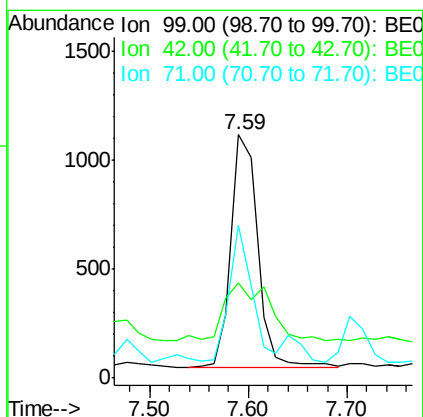
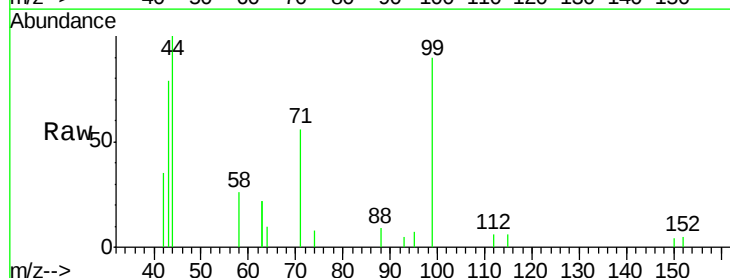
RT: 7.59 min Scan# 376

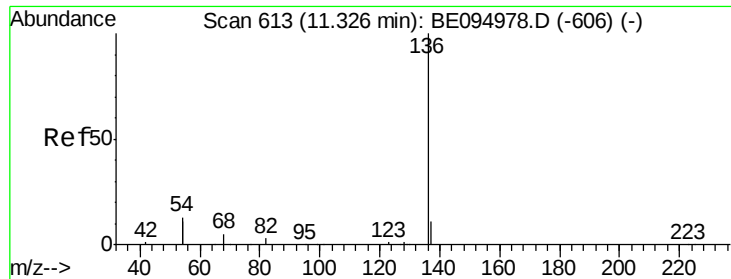
Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion:	99	Resp:	1999
Ion Ratio	Lower	Upper	
99	100		
42	42.2	20.2	30.2#
71	50.4	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: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

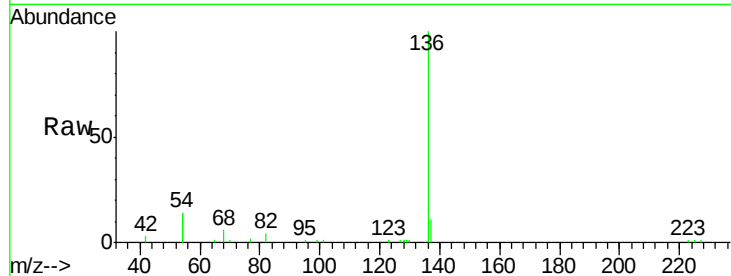
ClientSampleId :

KY038PS027-171211

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	16254		
137	11.3	9.5	14.3	
54	27.7	29.1	43.7	
68	6.4	6.2	9.2	

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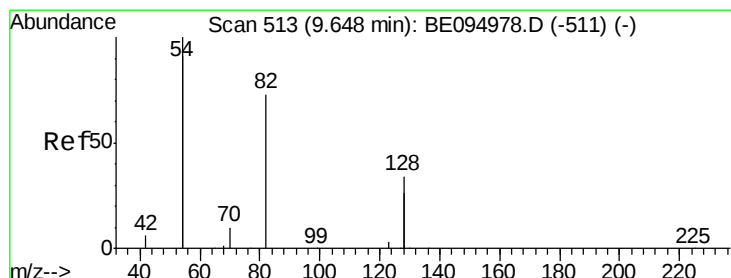
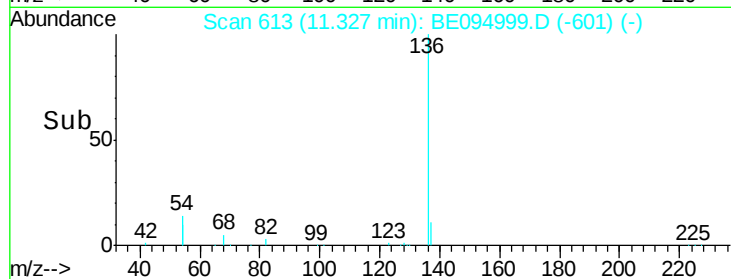
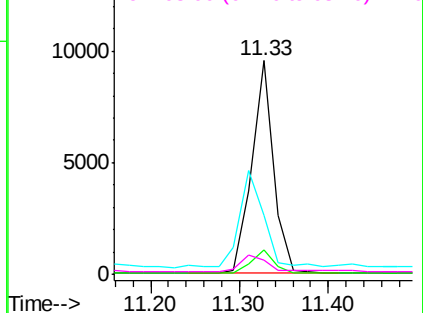


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.478 ng

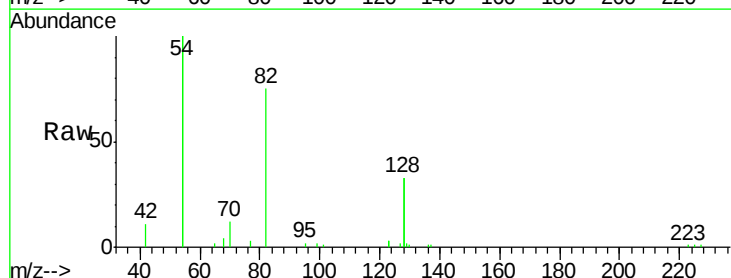
RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

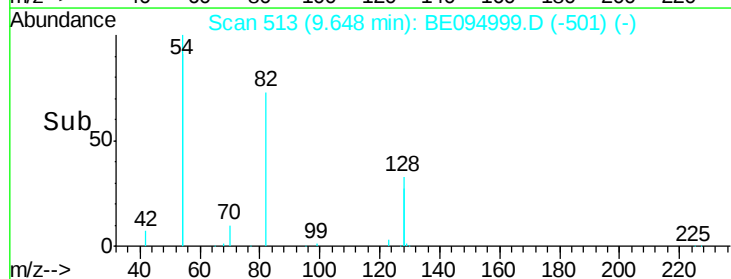
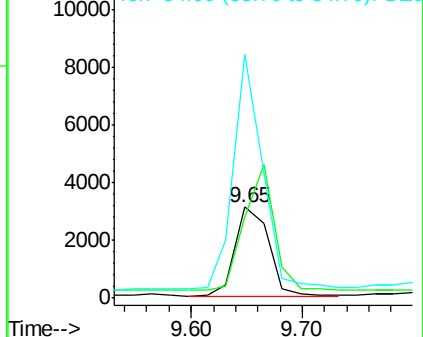
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	6370		
128	89.5	150.0	225.0	
54	267.8	154.2	231.4	

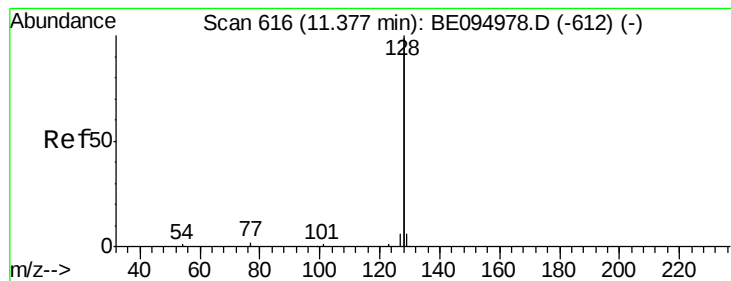


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.038 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

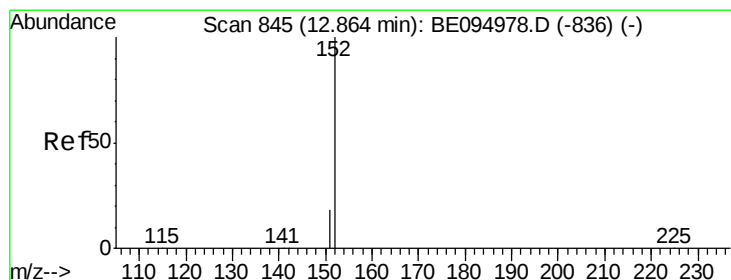
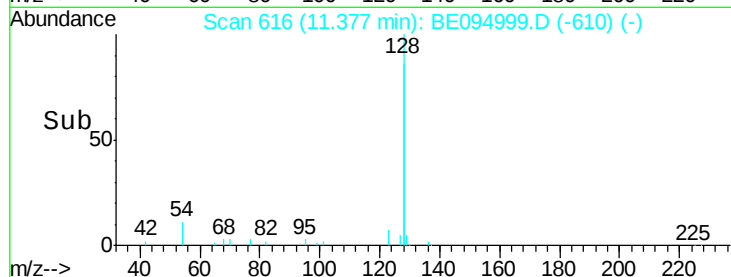
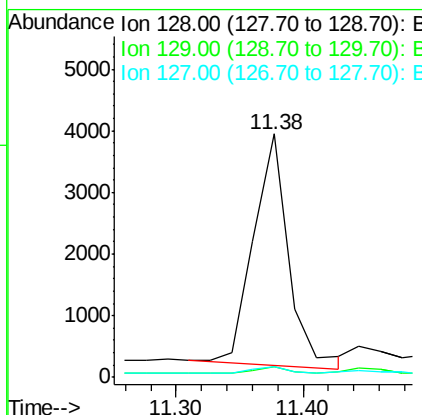
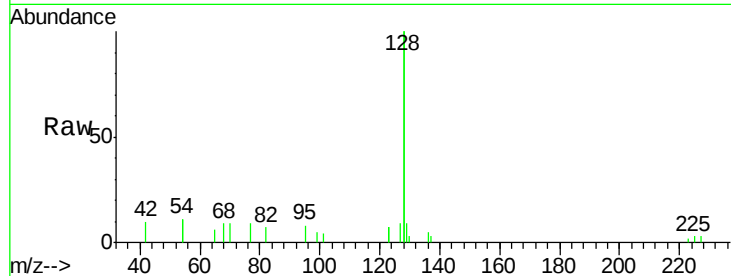
ClientSampleId :

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Tgt Ion:	128	Resp:	7217
Ion Ratio	Lower	Upper	
128	100		
129	4.4	2.6	3.8#
127	4.4	2.8	4.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.412 ng

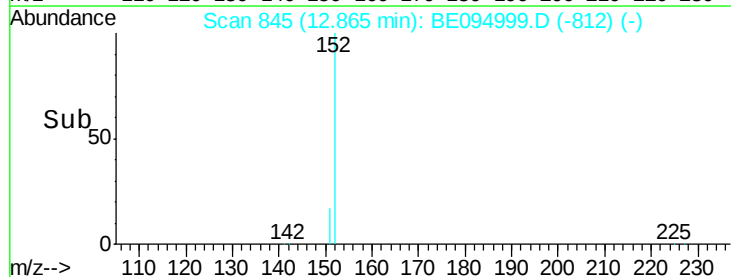
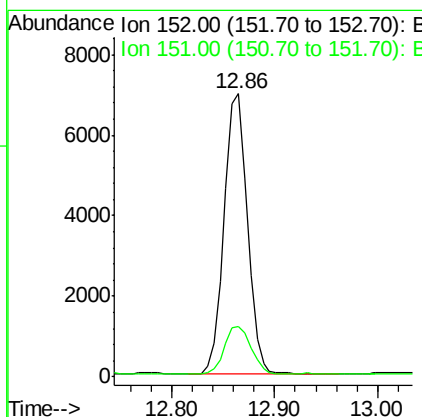
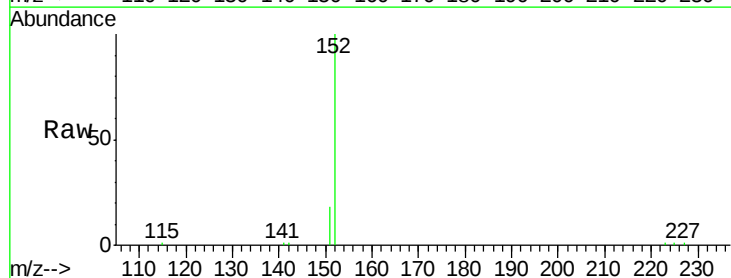
RT: 12.86 min Scan# 845

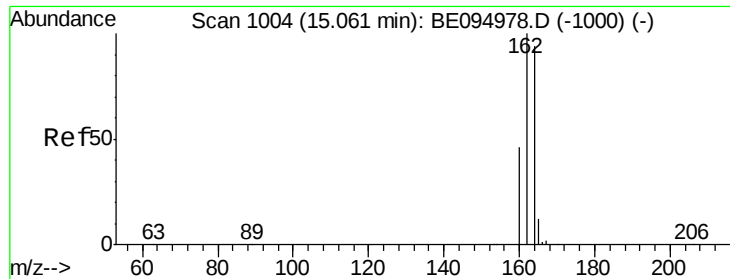
Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion:	152	Resp:	10975
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. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

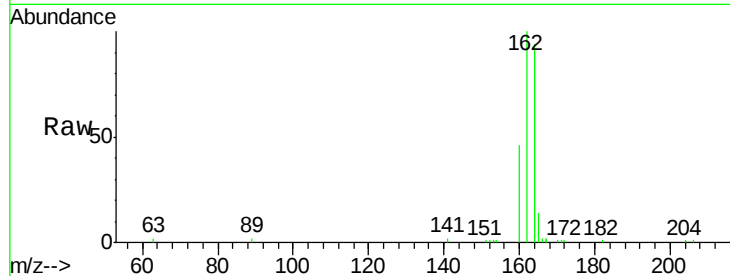
ClientSampleId :

KY038PS027-171211

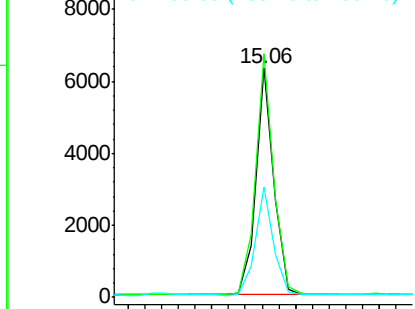
Tgt Ion:	164	Resp:	9325
Ion Ratio	Lower	Upper	
164	100		
162	106.3	83.1	124.7
160	48.4	37.1	55.7

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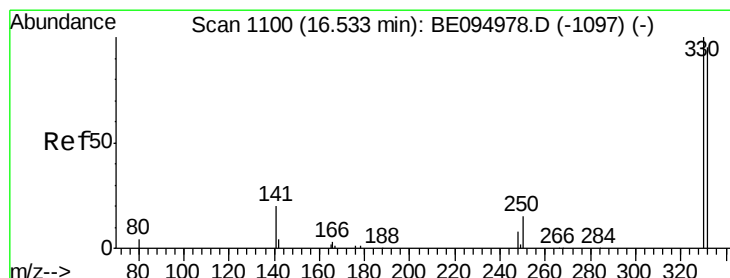
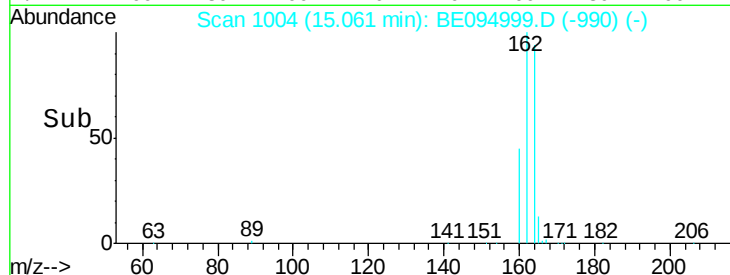
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.669 ng

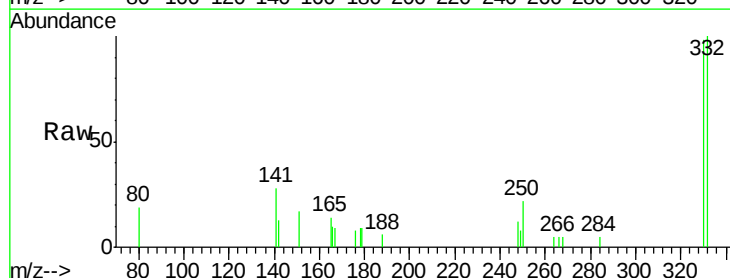
RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

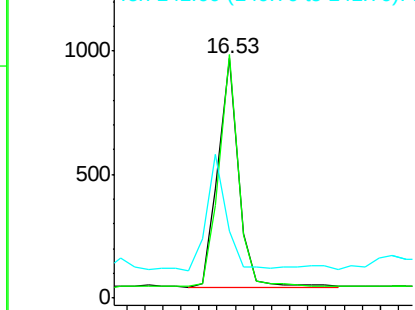
Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

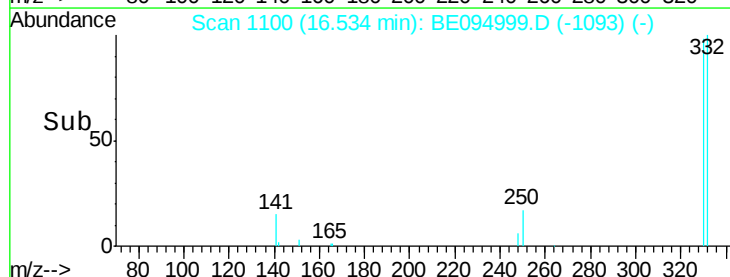
Tgt Ion:	330	Resp:	1449
Ion Ratio	Lower	Upper	
330	100		
332	95.0	152.7	229.1#
141	46.6	33.7	50.5

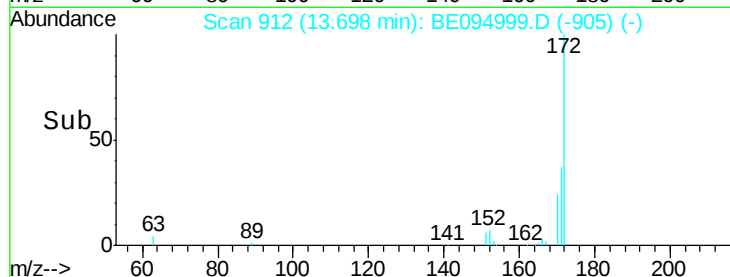
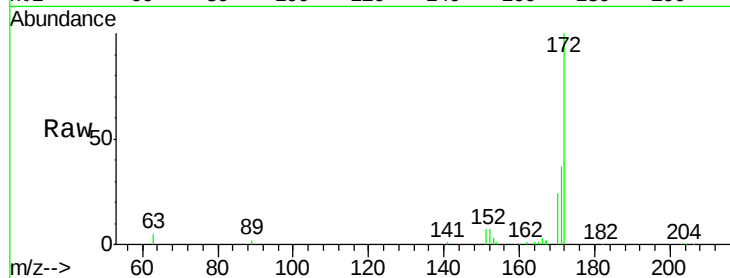
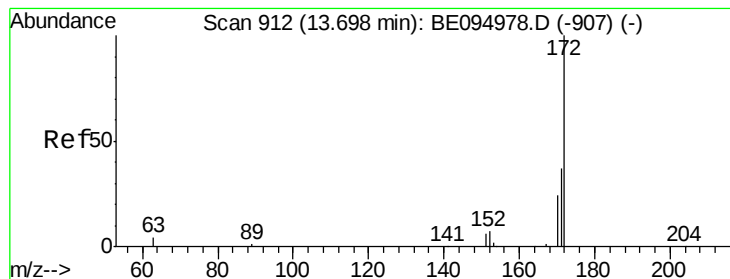


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





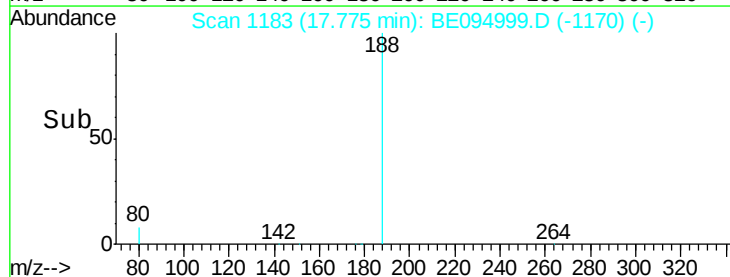
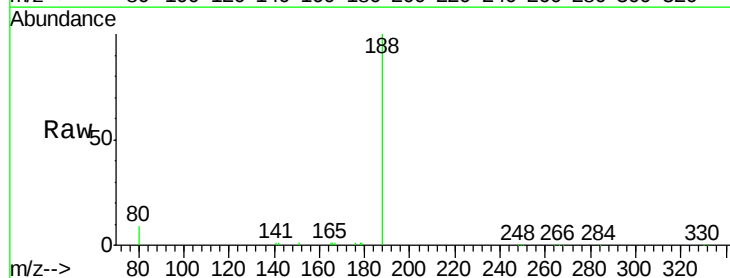
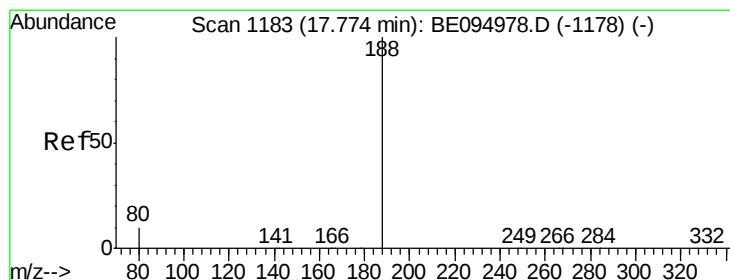
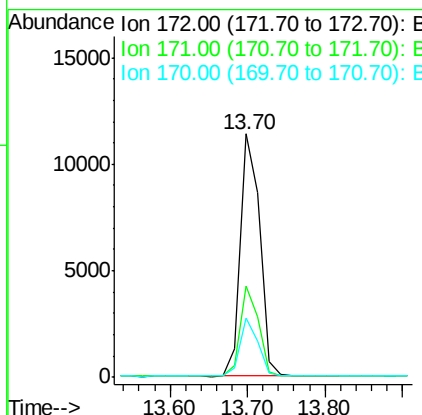
#15
2-Fluorobiphenyl
Concen: 0.477 ng
RT: 13.70 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	24.4	21.8	32.8

Instrument :
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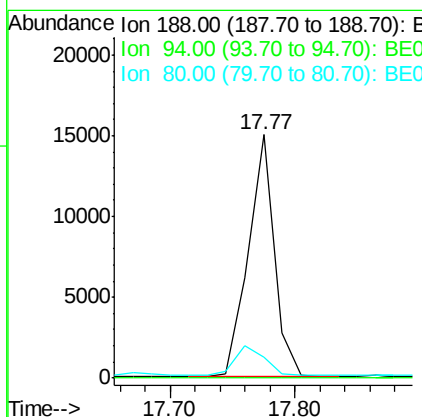
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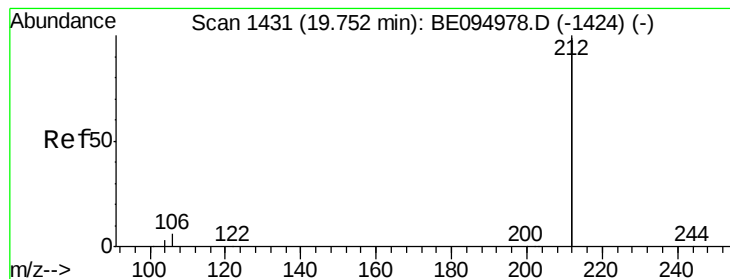
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.7	3.6	5.4#





#25

Fluoranthene-d10

Concen: 0.430 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

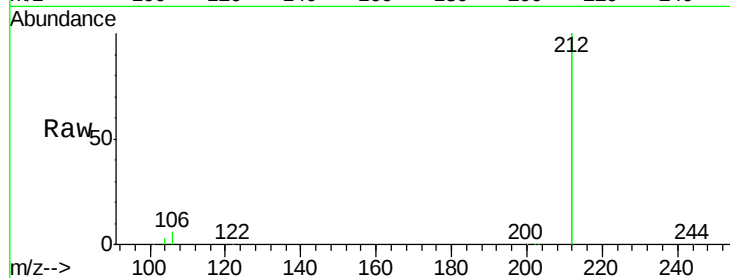
ClientSampleId :

KY038PS027-171211

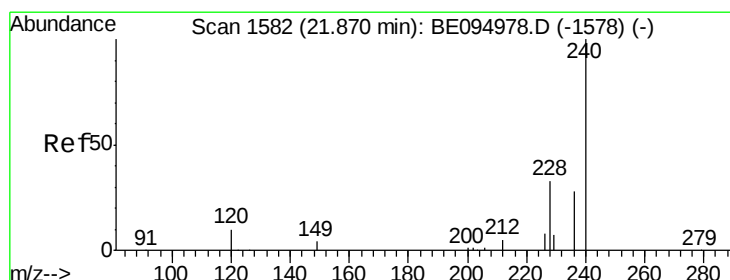
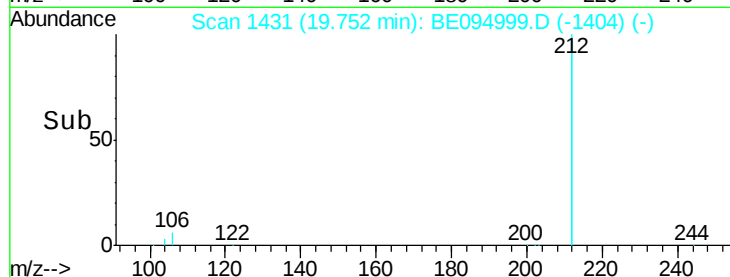
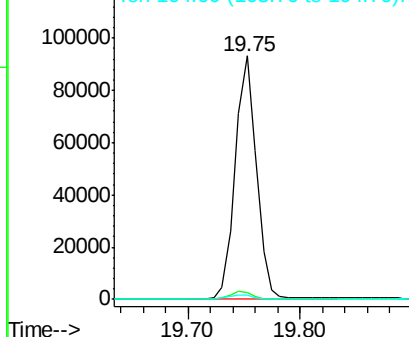
Tgt Ion:	212	Resp:	121750
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	2.0	1.6	2.4

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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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

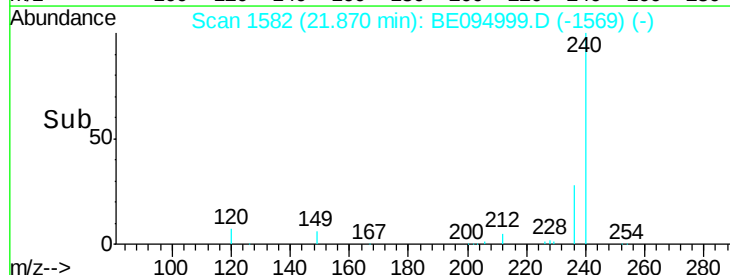
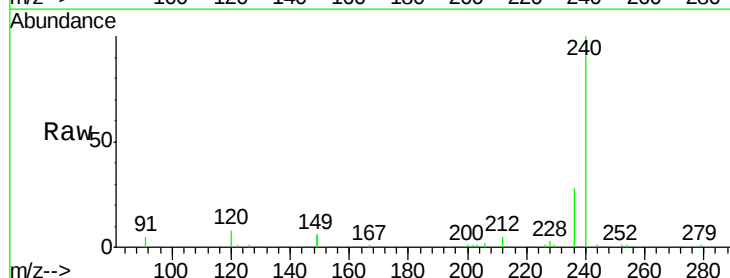
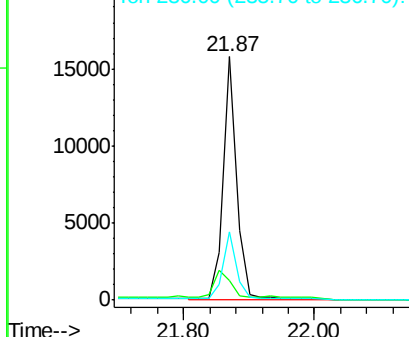
Delta R.T. 0.00 min

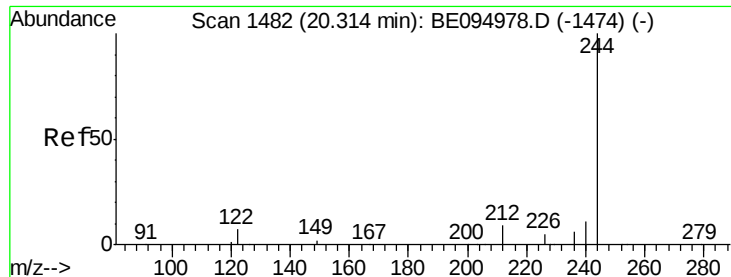
Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion:	240	Resp:	24320
Ion Ratio	Lower	Upper	
240	100		
120	8.1	5.5	8.3
236	28.0	20.7	31.1

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





#29

Terphenyl-d14

Concen: 0.571 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171211

Tgt Ion:244 Resp: 26137

Ion Ratio Lower Upper

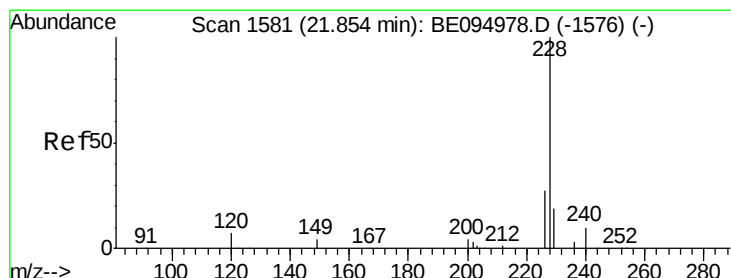
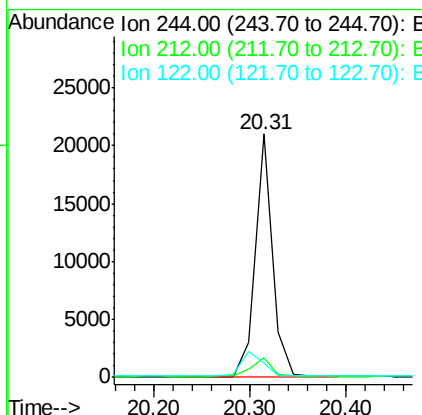
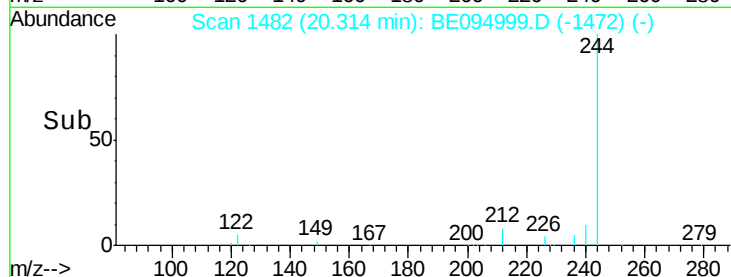
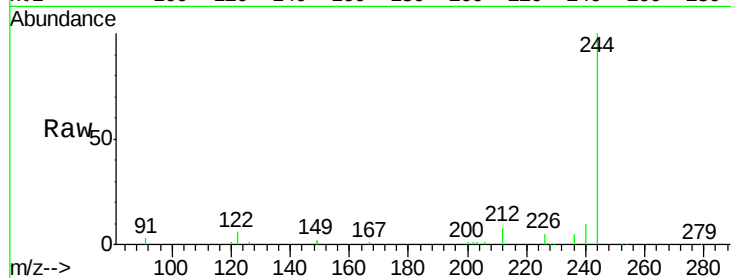
244 100

212 8.1 25.4 38.0#

122 6.0 8.1 12.1#

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#30

Benzo(a)anthracene

Concen: 0.041 ng m

RT: 21.85 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

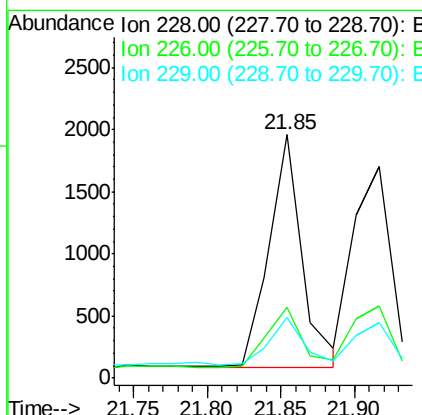
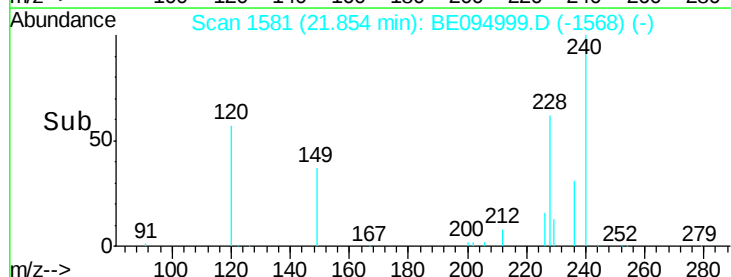
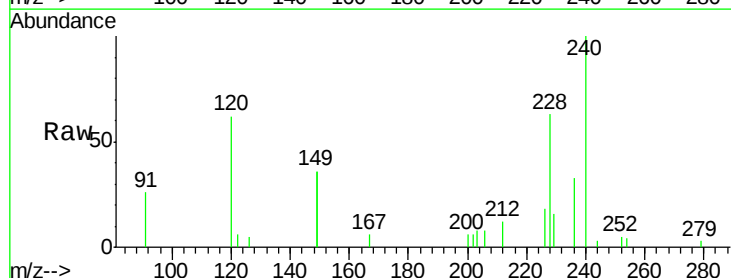
Tgt Ion:228 Resp: 2934

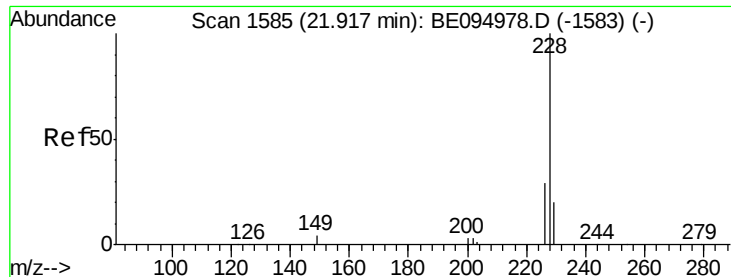
Ion Ratio Lower Upper

228 100

226 29.0 40.0 60.0#

229 24.9 40.0 60.0#





#31

Chrysene

Concen: 0.037 ng m

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

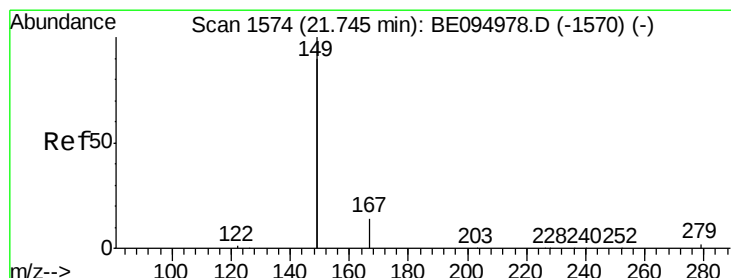
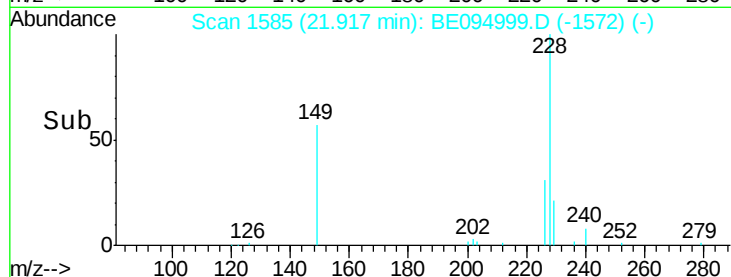
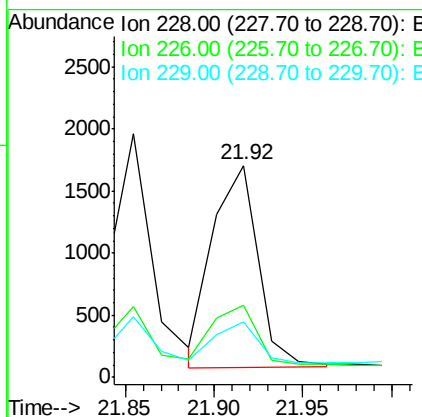
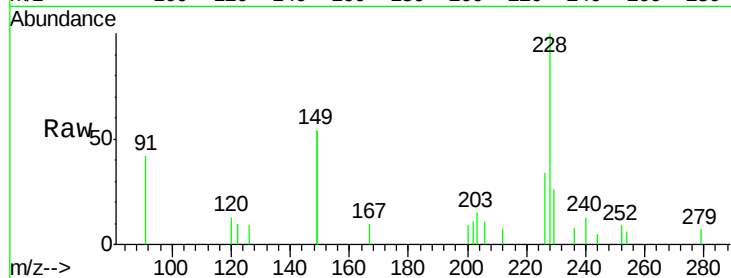
ClientSampleId :

KY038PS027-171211

Tgt Ion:	228	Resp:	2939
Ion Ratio	Lower	Upper	
228	100		
226	34.0	40.0	60.0#
229	26.4	40.0	60.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.352 ng

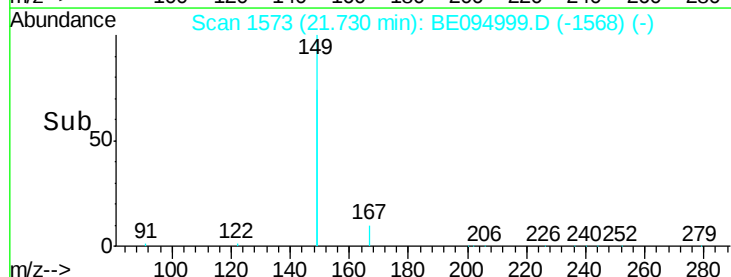
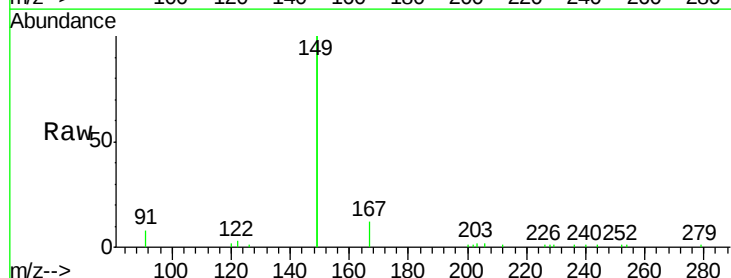
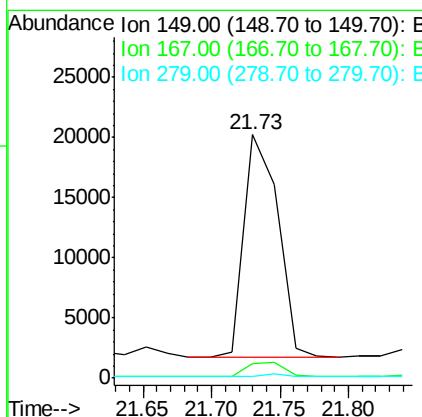
RT: 21.73 min Scan# 1573

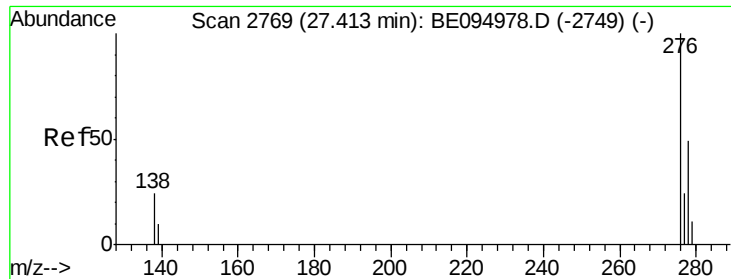
Delta R.T. -0.02 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion:	149	Resp:	31845
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.4	8.0
279	0.8	0.7	1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 27.41 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE094999.D

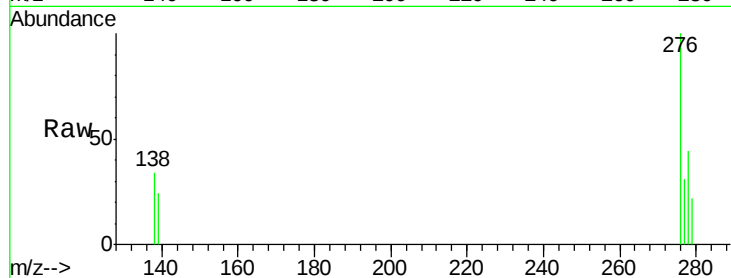
Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

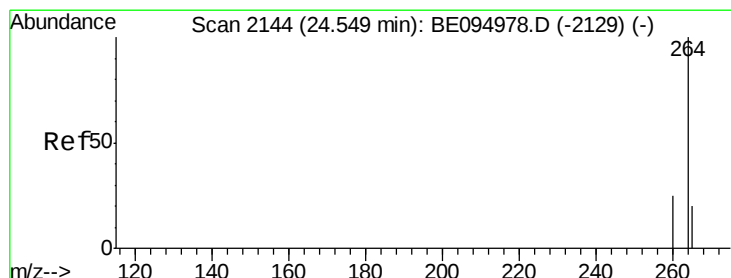
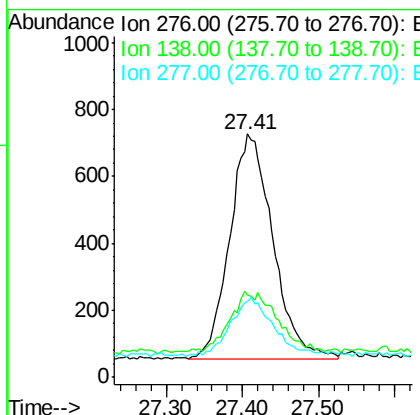
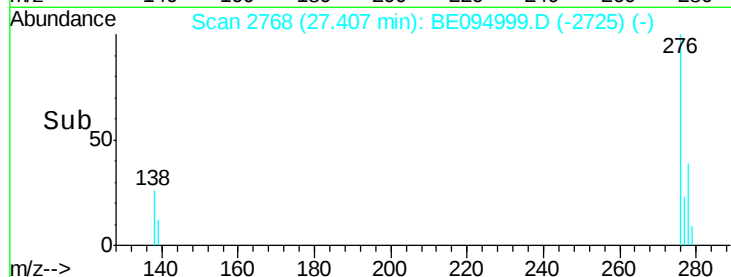
KY038PS027-171211



Tgt Ion:	276	Resp:	2642
Ion Ratio	Lower	Upper	
276	100		
138	28.5	22.5	33.7
277	25.0	19.9	29.9

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#34

Perylene-d12

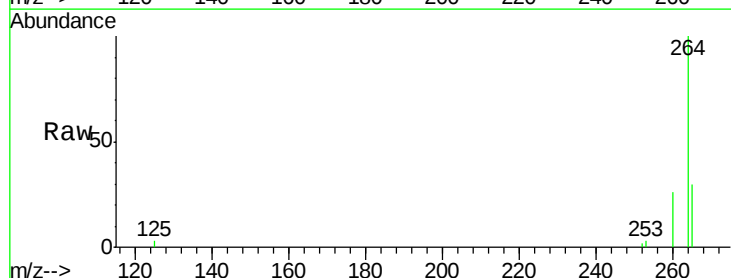
Concen: 0.400 ng

RT: 24.55 min Scan# 2144

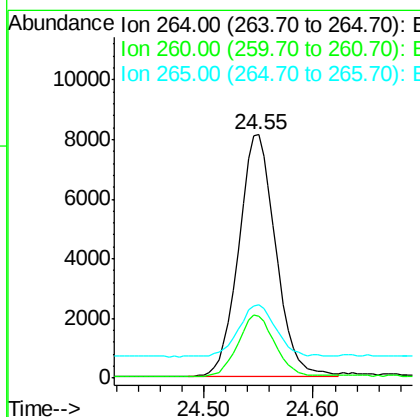
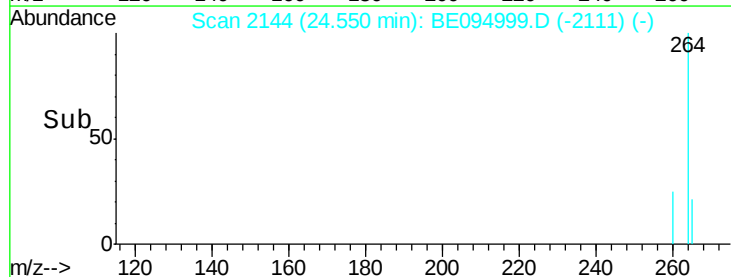
Delta R.T. 0.00 min

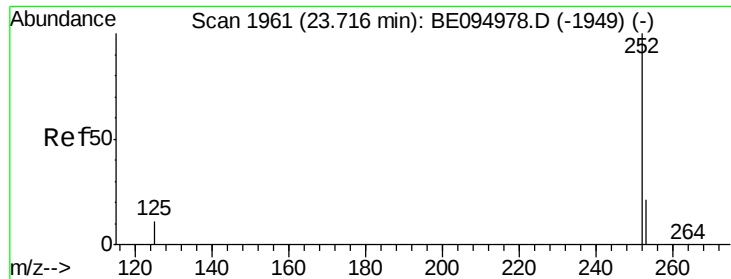
Lab File: BE094999.D

Acq: 15 Dec 2017 13:28



Tgt Ion:	264	Resp:	19004
Ion Ratio	Lower	Upper	
264	100		
260	25.5	20.5	30.7
265	30.1	22.8	34.2





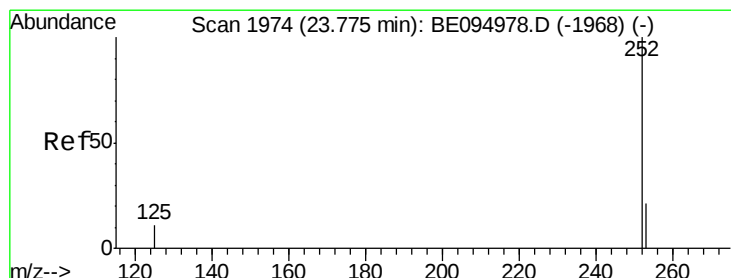
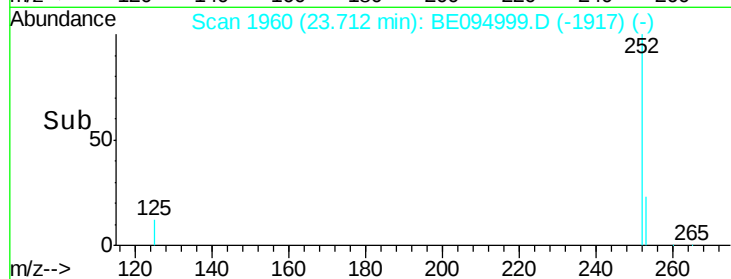
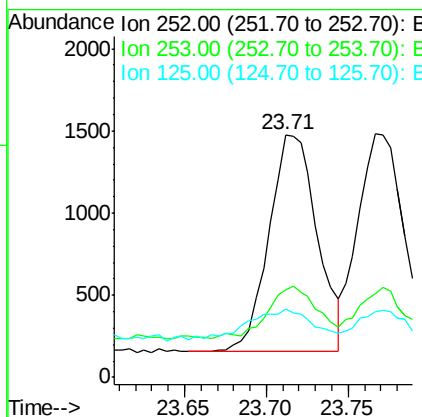
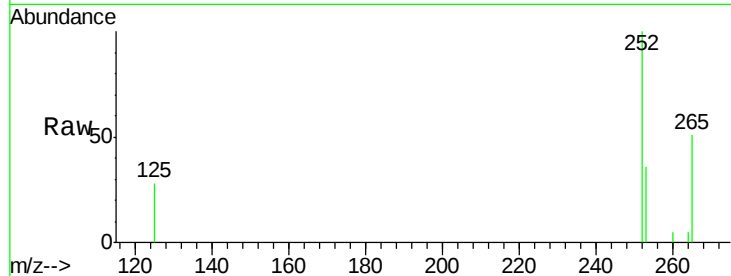
#35
Benzo(b)fluoranthene
Concen: 0.039 ng
RT: 23.71 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Instrument :
BNA_E
ClientSampleId :
KY038PS027-171211

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.2	20.0	30.0#
125	28.0	16.0	24.0#

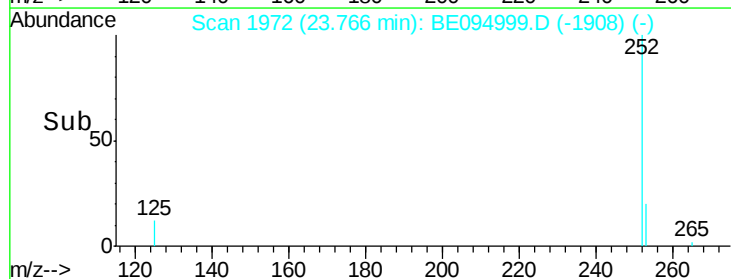
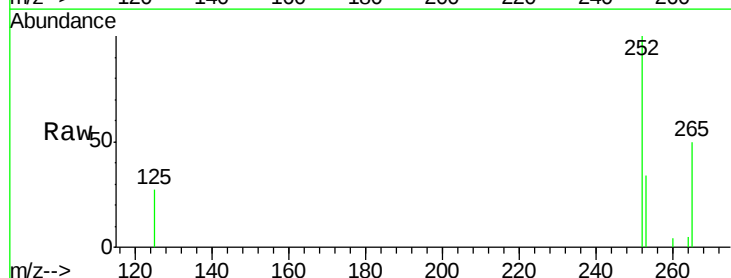
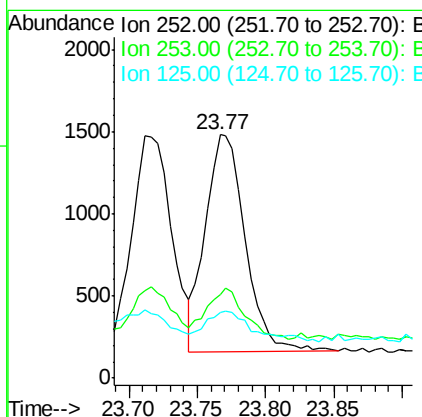
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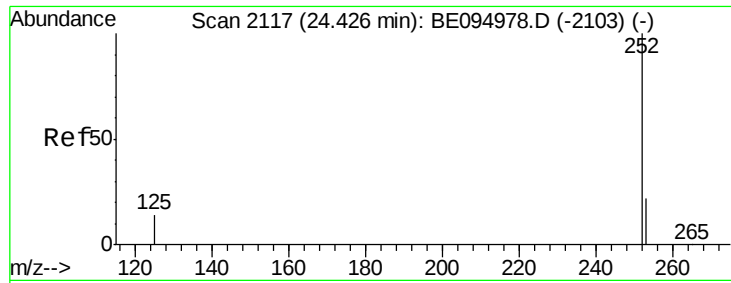
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#36
Benzo(k)fluoranthene
Concen: 0.038 ng
RT: 23.77 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.5	16.0	24.0#
125	26.9	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.027 ng

RT: 24.43 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BE094999.D

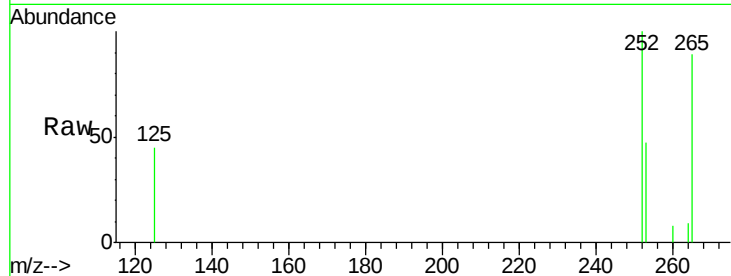
Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

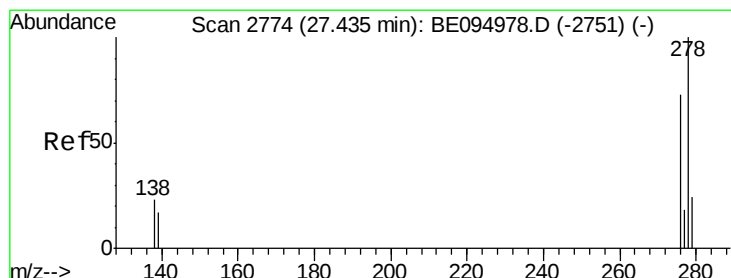
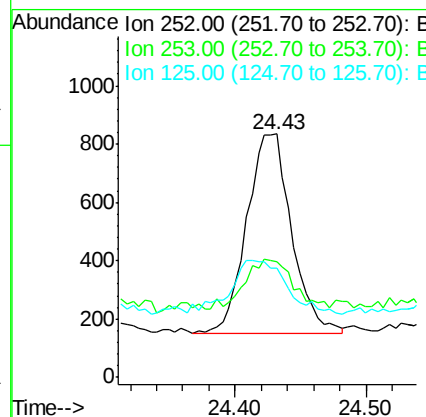
KY038PS027-171211



Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.4	16.0	24.0#
125	44.7	12.0	18.0#

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#38

Dibenzo(a,h)anthracene

Concen: 0.038 ng

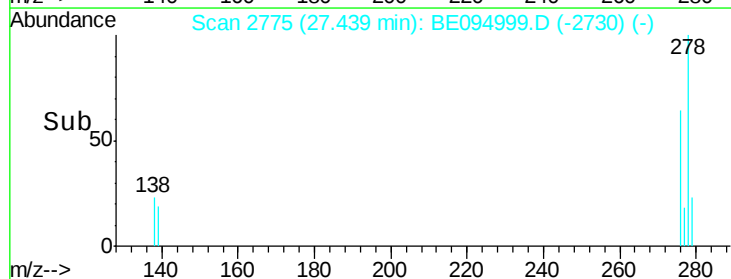
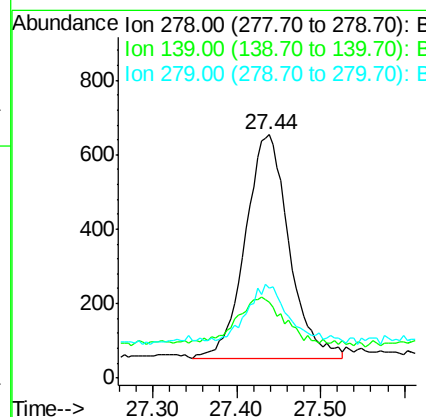
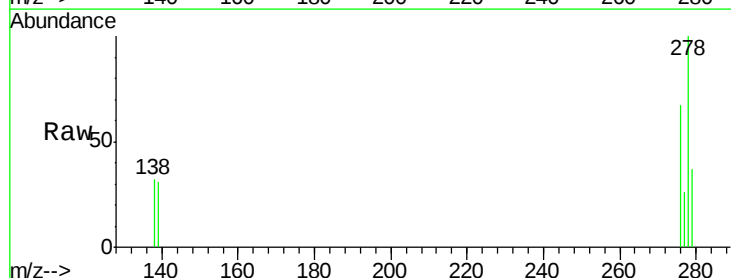
RT: 27.44 min Scan# 2775

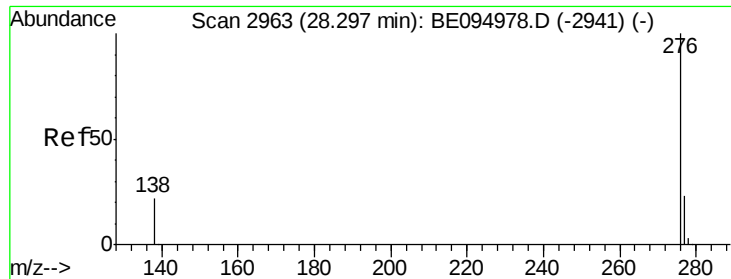
Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.0	16.0	24.0#
279	37.2	20.0	30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.039 ng

RT: 28.30 min Scan# 2964

Delta R.T. 0.00 min

Lab File: BE094999.D

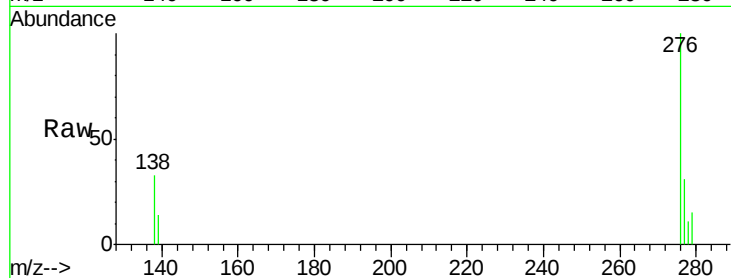
Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171211



Tgt Ion: 276 Resp: 2219

Ion Ratio Lower Upper

276 100

277 31.4 16.0 24.0#

138 32.9 20.0 30.0#

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