

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
 Data File : BE094985.D
 Acq On : 14 Dec 2017 20:12
 Operator : SJ/JU
 Sample : PB104984BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BL

Manual Integrations
 APPROVED

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 12/15/2017 7:54:39 PM

Quant Time: Dec 15 08:41:20 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	7245	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	15275	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7588	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	17989	0.40	ng	0.00
27) Chrysene-d12	21.87	240	18827	0.40	ng	0.00
34) Perylene-d12	24.55	264	14772	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	3101	0.28	ng	0.00
5) Phenol-d6	7.59	99	4298	0.26	ng	0.00
8) Nitrobenzene-d5	9.65	82	4052	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	7490	0.30	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	404	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	11825	0.35	ng	0.00
25) Fluoranthene-d10	19.75	212	70812	0.30	ng	0.00
29) Terphenyl-d14	20.31	244	13905	0.39	ng	0.00
Target Compounds						
30) Benzo(a)anthracene	21.85	228	1520	0.028	ng	Qvalue # 69
31) Chrysene	21.92	228	1663m	0.027	ng	
33) Indeno(1,2,3-cd)pyrene	27.41	276	1506	0.030	ng	99
35) Benzo(b)fluoranthene	23.72	252	1710	0.032	ng	# 84
36) Benzo(k)fluoranthene	23.77	252	1504	0.027	ng	# 62
37) Benzo(a)pyrene	24.43	252	1339	0.028	ng	# 51
38) Dibenzo(a,h)anthracene	27.43	278	1242	0.028	ng	# 65
39) Benzo(g,h,i)perylene	28.29	276	1447	0.033	ng	# 80

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

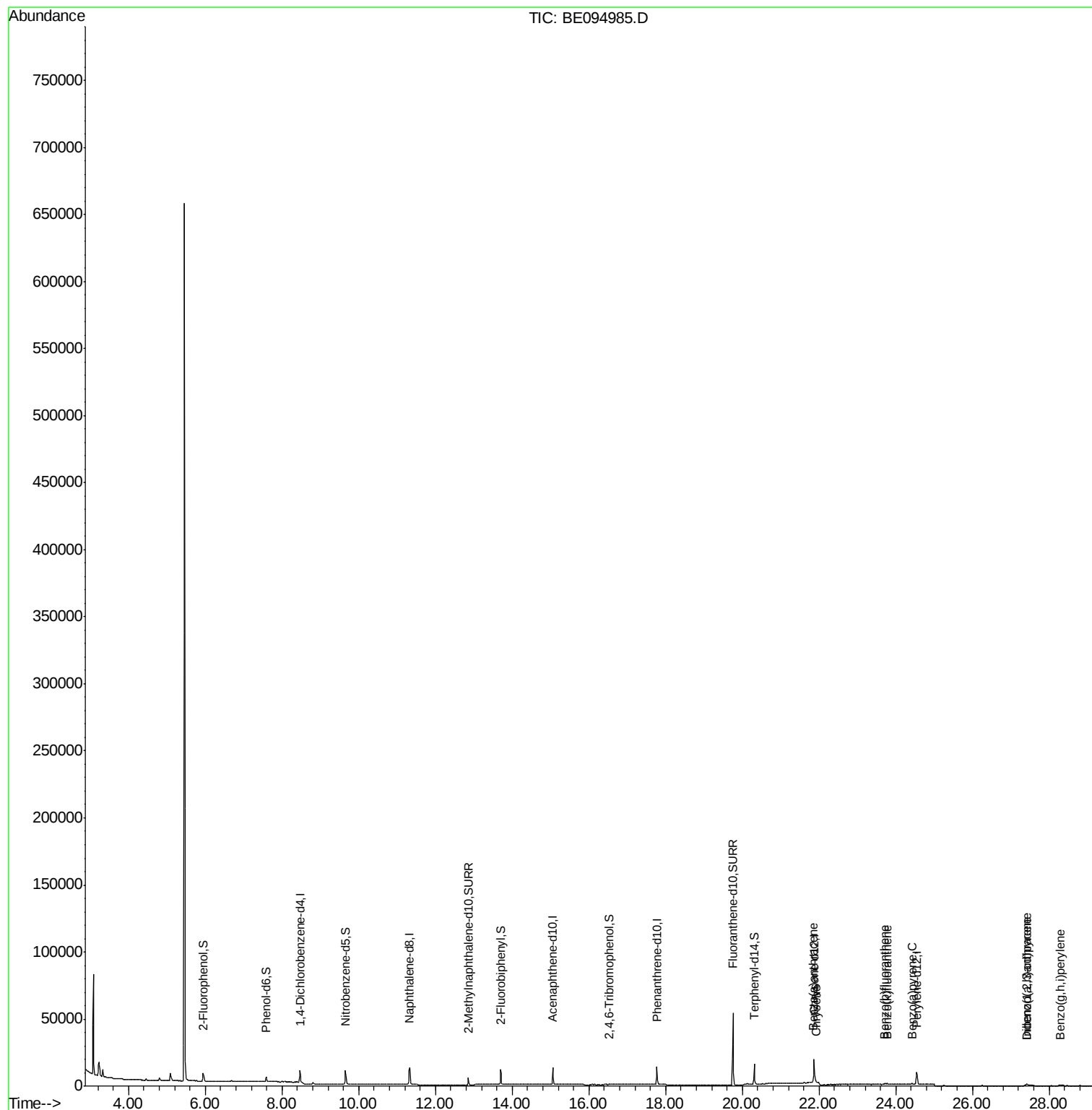
Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094985.D
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Operator : SJ/JU
Sample : PB104984BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

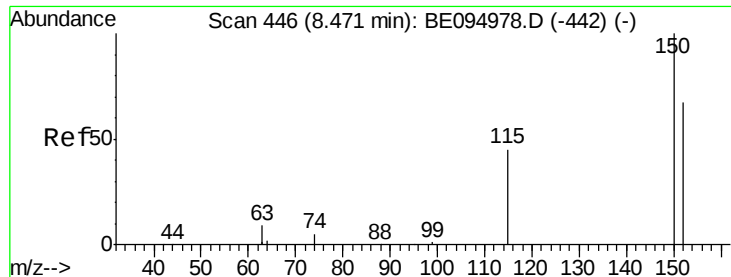
Instrument :
BNA_E
ClientSampleId :
PB104984BL

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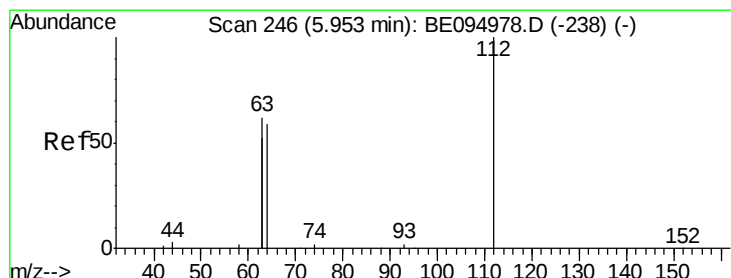
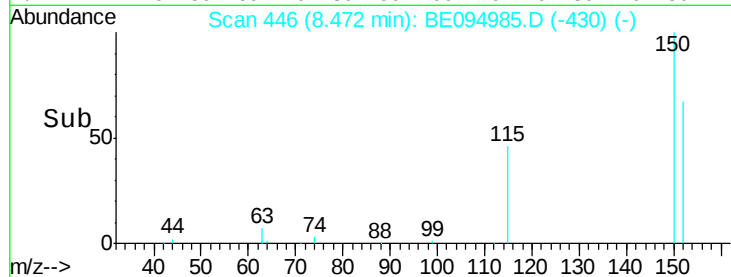
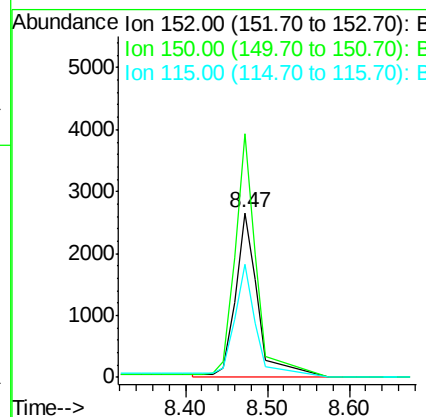
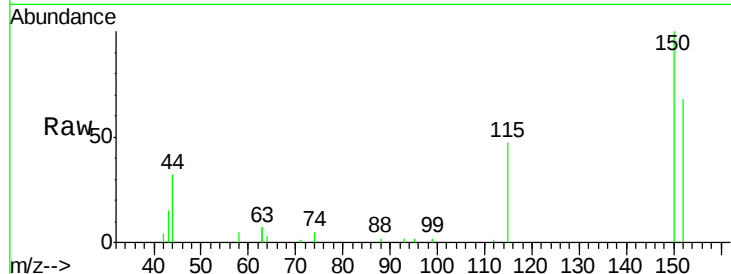
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.47 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Instrument :
 BNA_E
 ClientSampleID :
 PB104984BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	117.2	175.8
115	69.1	57.0	85.6

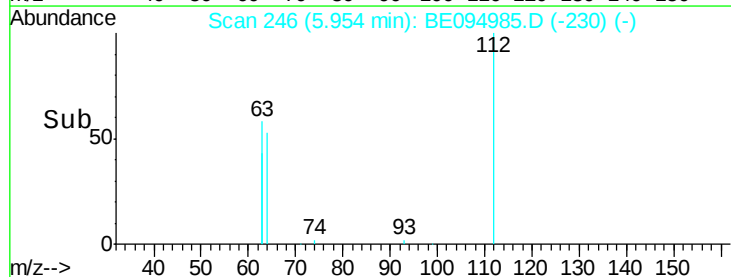
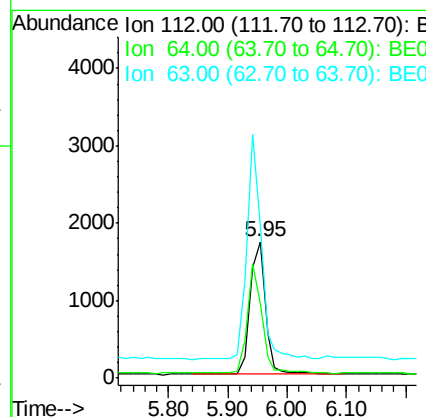
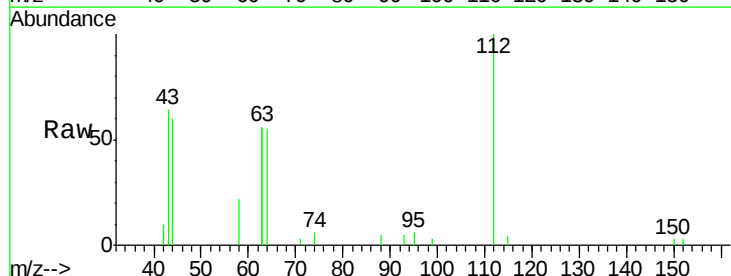
Manual Integrations
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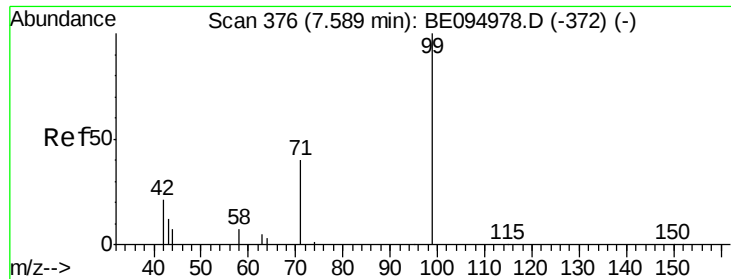
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#4
 2-Fluorophenol
 Concen: 0.276 ng
 RT: 5.95 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.3	60.1	90.1
63	155.3	116.8	175.2





#5

Phenol-d6

Concen: 0.257 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

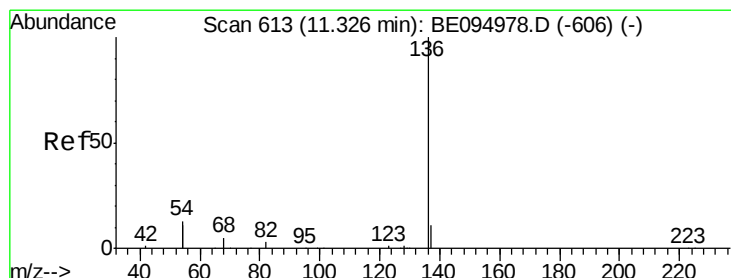
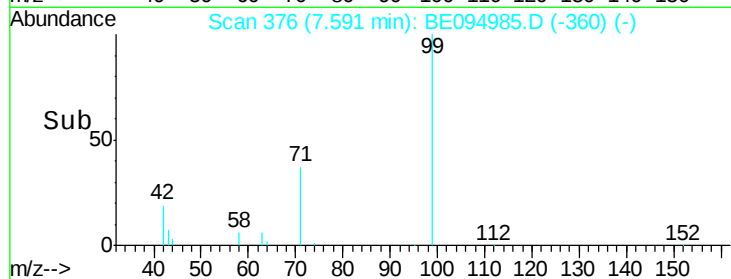
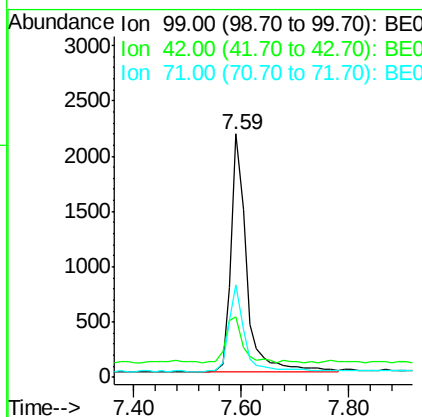
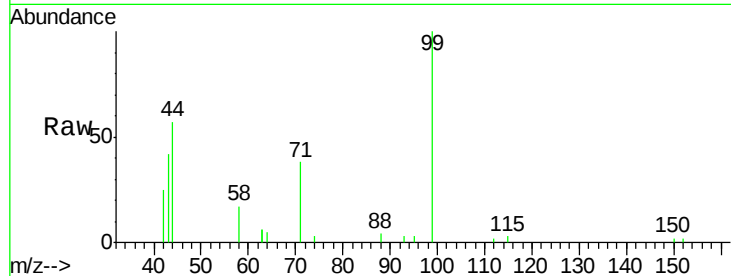
ClientSampleId :

PB104984BL

Tot Ion:	99	Resp:	4298
Ion	Ratio	Lower	Upper
99	100		
42	20.8	20.2	30.2
71	38.1	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

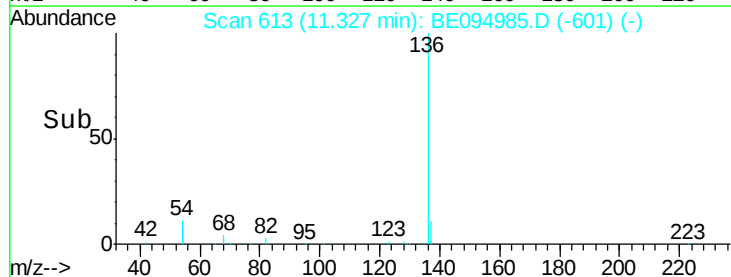
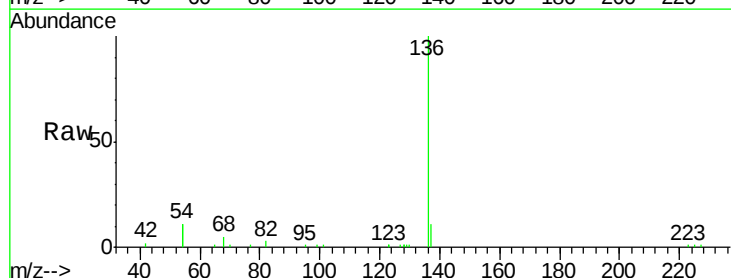
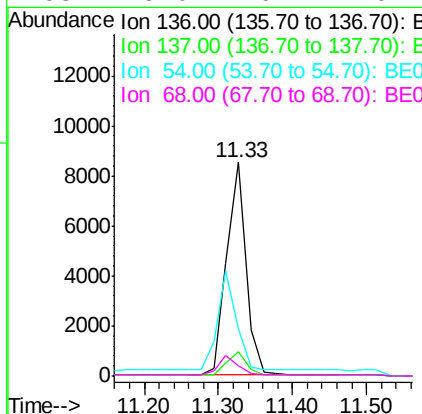
RT: 11.33 min Scan# 613

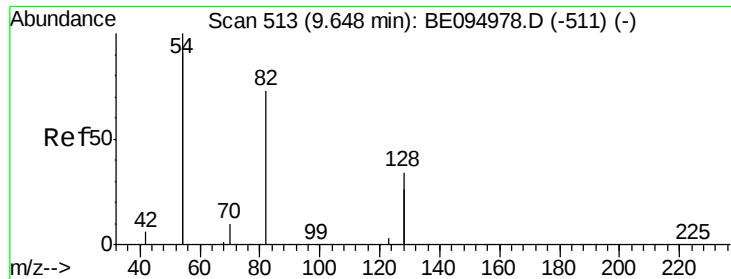
Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion:	136	Resp:	15275
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	22.3	29.1	43.7#
68	5.0	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.323 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

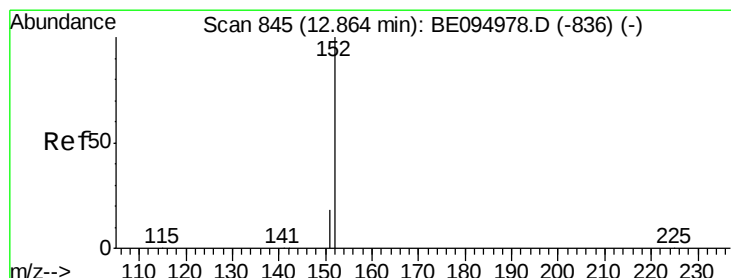
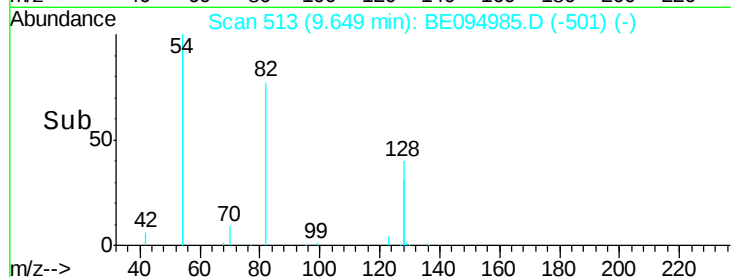
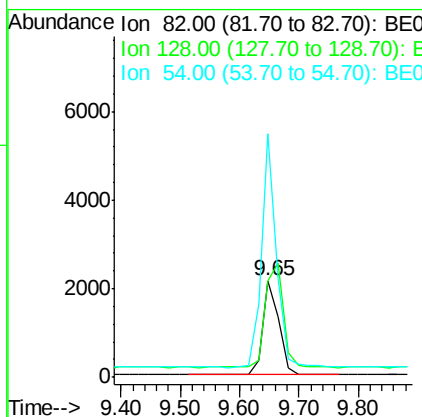
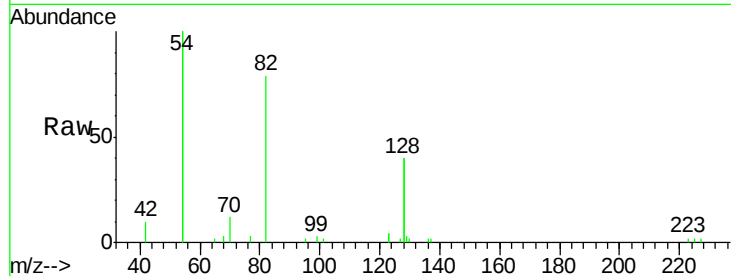
ClientSampleId :

PB104984BL

Tot Ion	Ratio	Lower	Upper
82	100		
128	99.9	150.0	225.0#
54	252.3	154.2	231.4#

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#11

2-Methylnaphthalene-d10

Concen: 0.299 ng

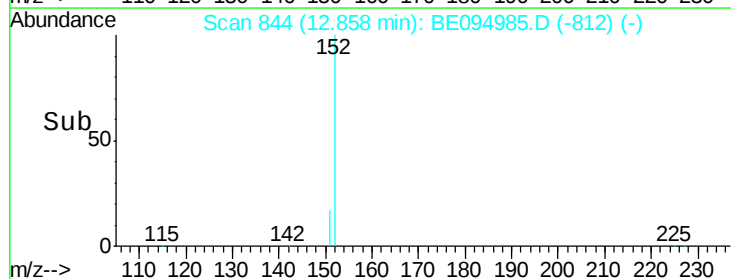
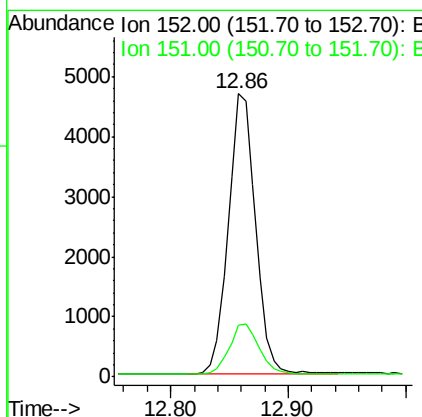
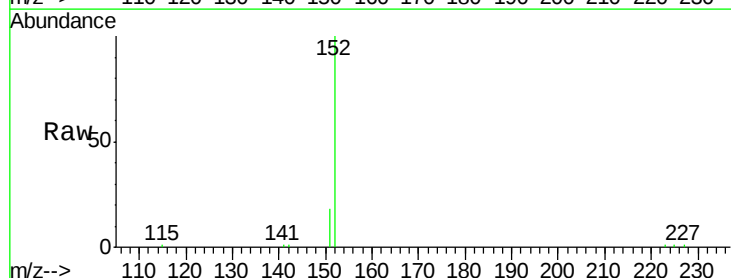
RT: 12.86 min Scan# 844

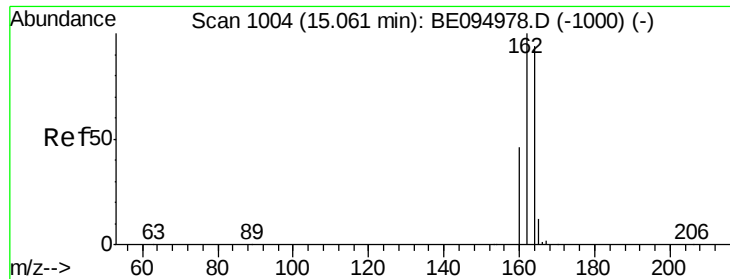
Delta R.T. -0.01 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0





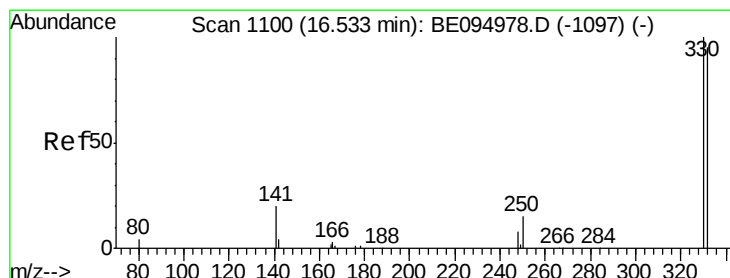
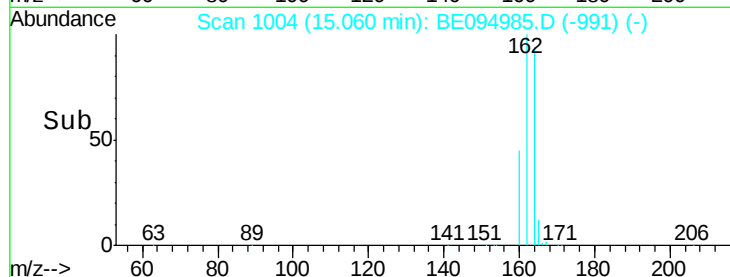
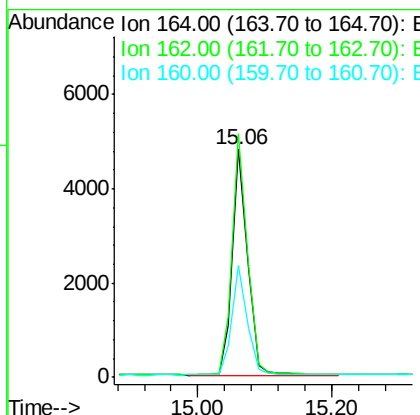
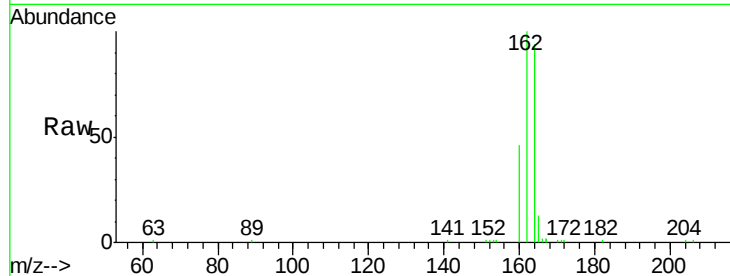
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.06 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BL

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.1	124.7
160	49.1	37.1	55.7

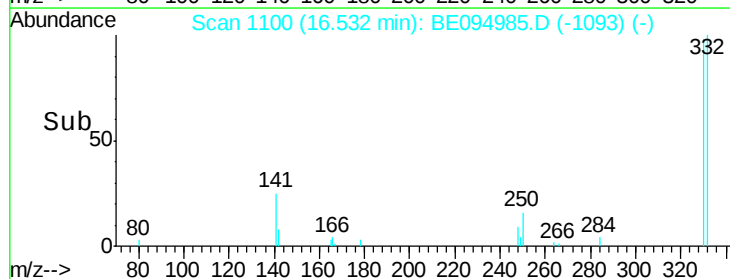
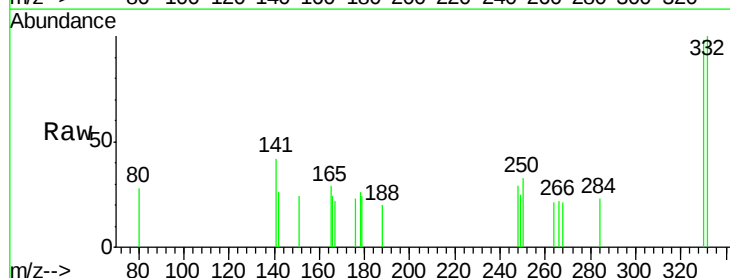
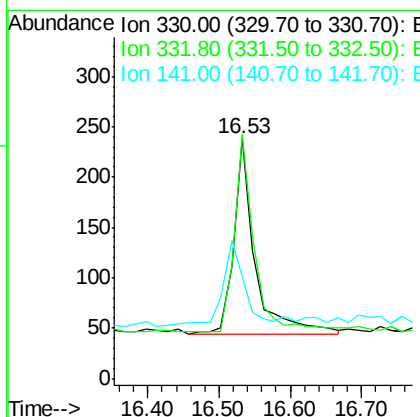
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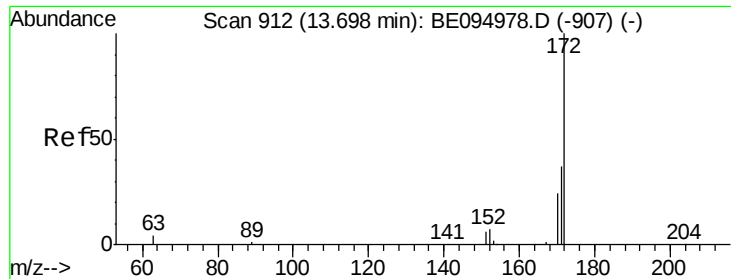
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#14
 2,4,6-Tribromophenol
 Concen: 0.229 ng
 RT: 16.53 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.8	152.7	229.1#
141	37.9	33.7	50.5





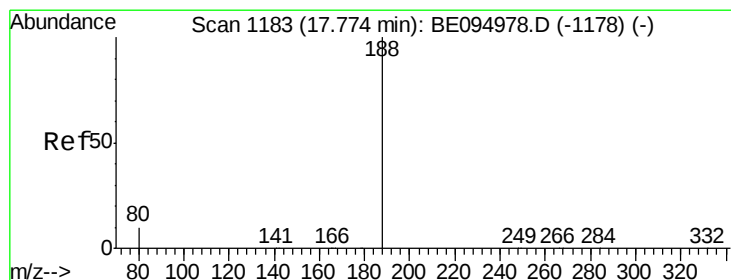
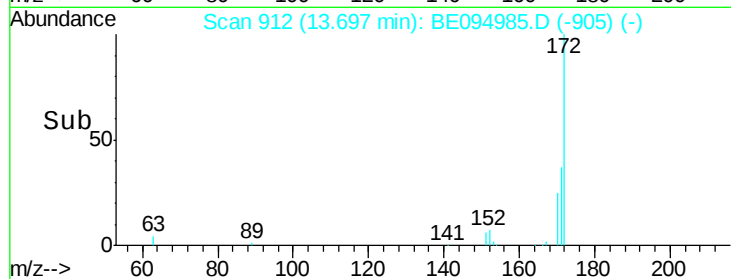
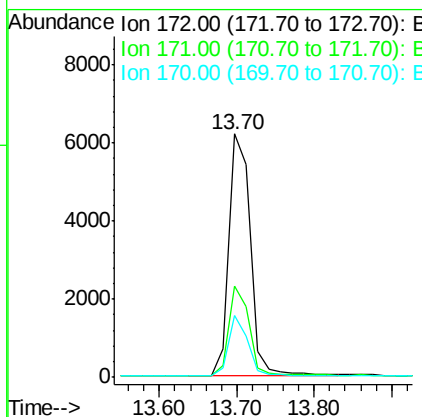
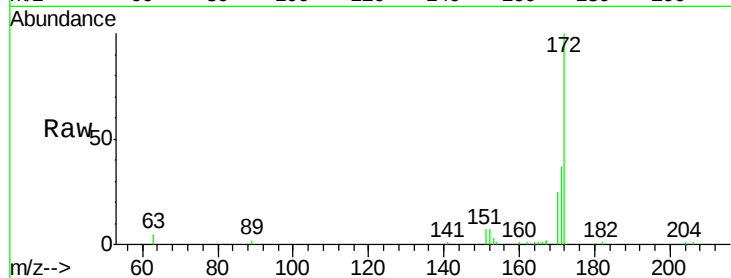
#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 13.70 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Instrument :
BNA_E
ClientSampleId :
PB104984BL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.9	44.9
170	25.1	21.8	32.8

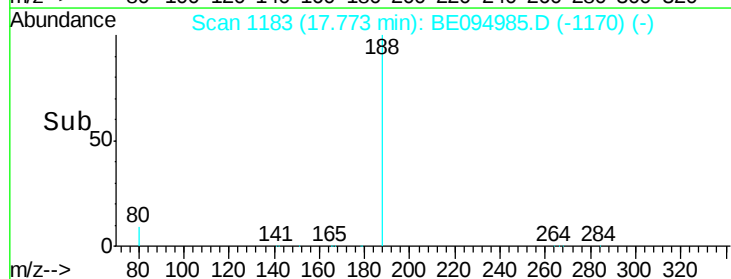
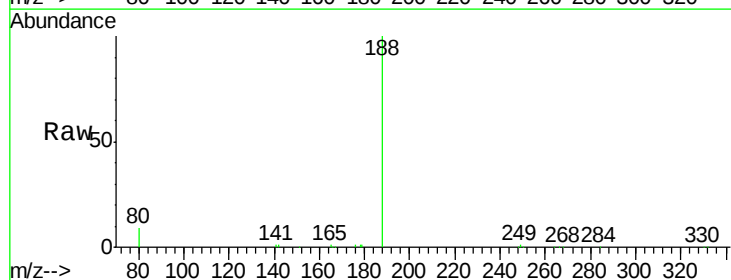
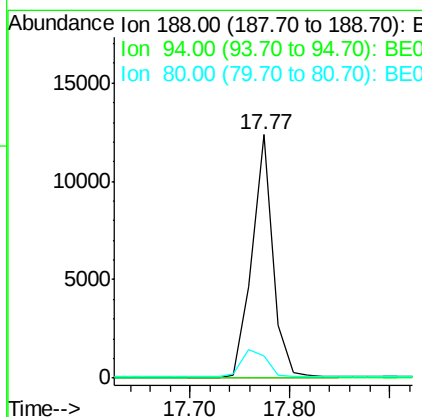
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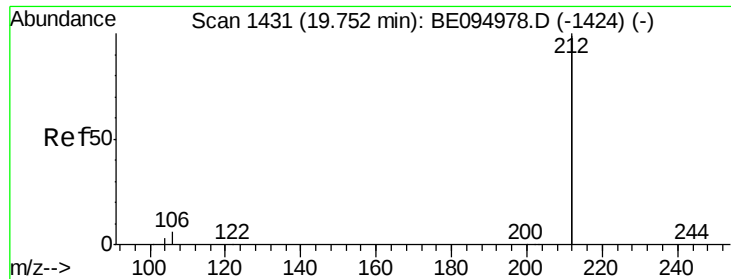
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.2	3.6	5.4#





#25

Fluoranthene-d10

Concen: 0.303 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

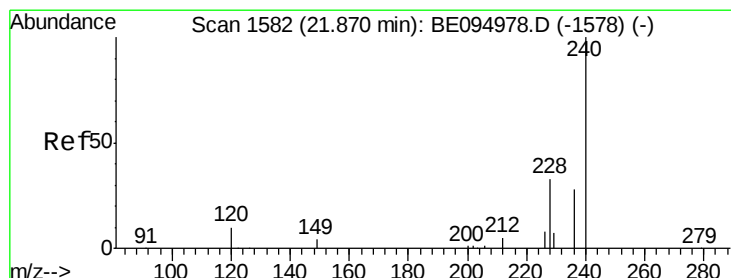
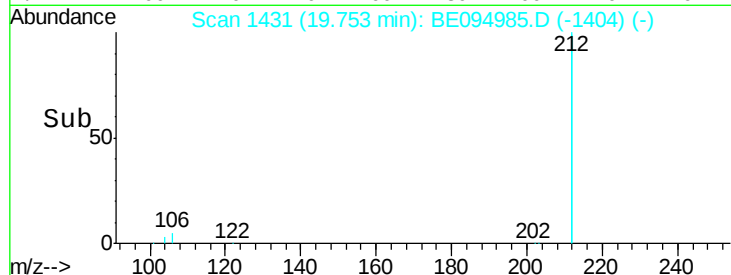
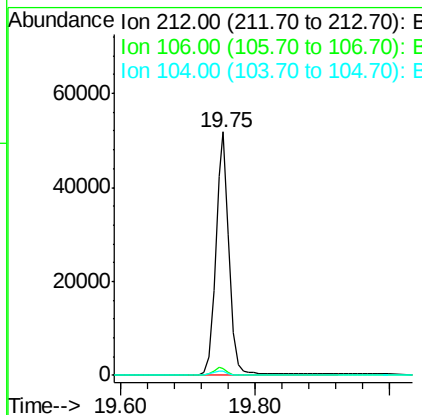
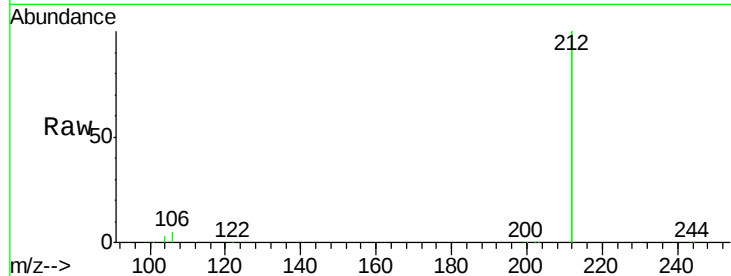
ClientSampleId :

PB104984BL

Tot Ion:	212	Resp:	70812
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	1.9	1.6	2.4

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#27

Chrysene-d12

Concen: 0.400 ng

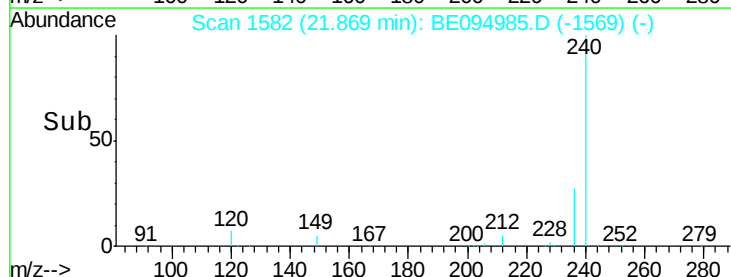
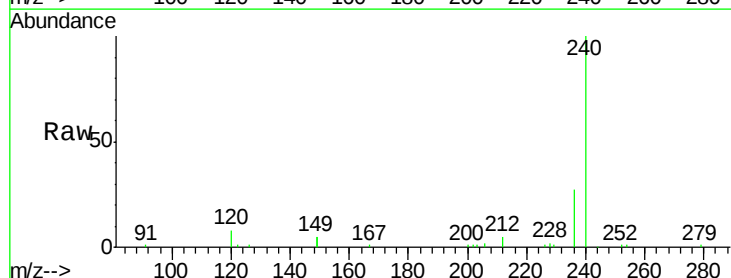
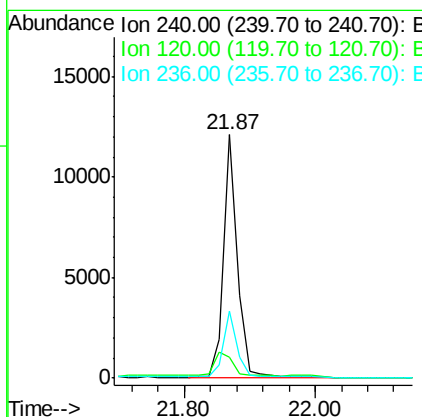
RT: 21.87 min Scan# 1582

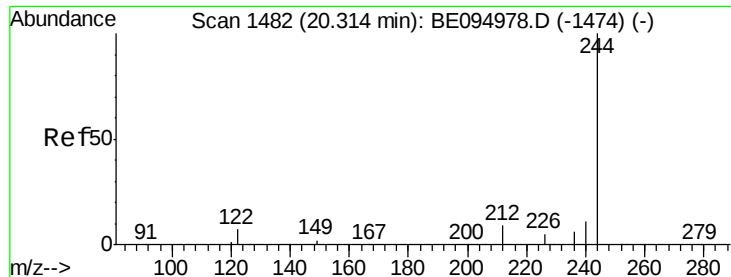
Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion:	240	Resp:	18827
Ion Ratio	Lower	Upper	
240	100		
120	8.4	5.5	8.3#
236	27.4	20.7	31.1





#29

Terphenyl-d14

Concen: 0.392 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

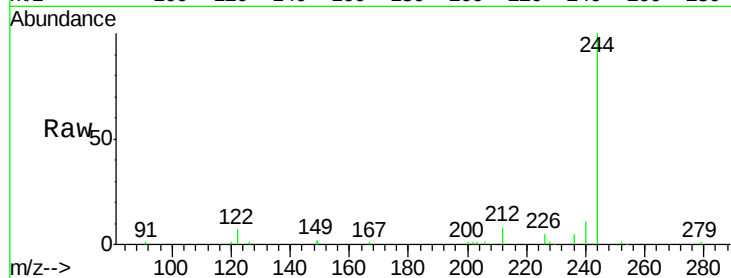
ClientSampleId :

PB104984BL

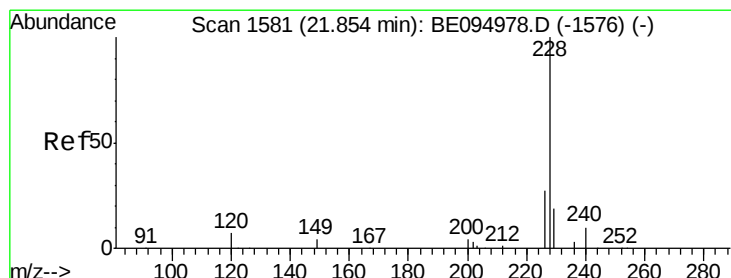
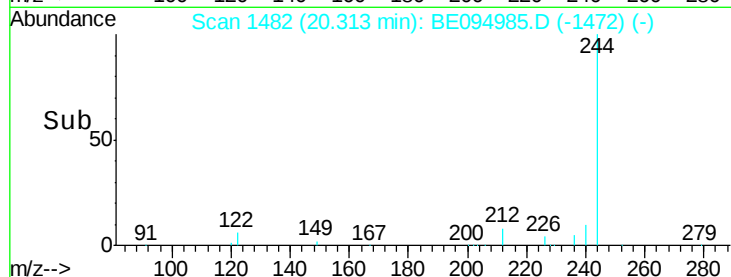
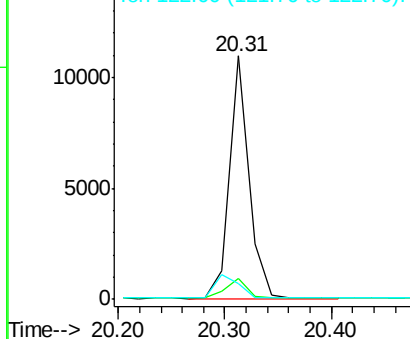
Tot Ion:	244	Resp:	13905
Ion Ratio	Lower	Upper	
244	100		
212	8.5	25.4	38.0#
122	6.6	8.1	12.1#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.85 min Scan# 1581

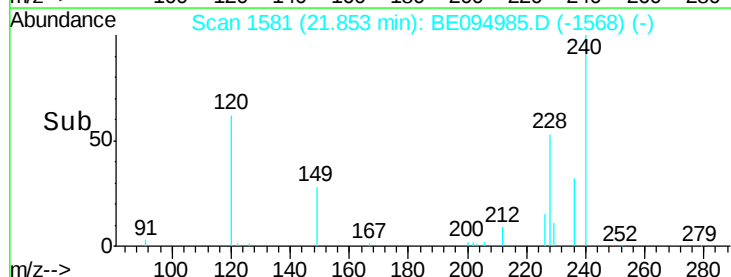
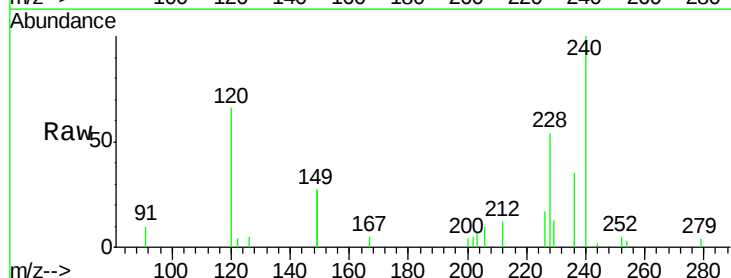
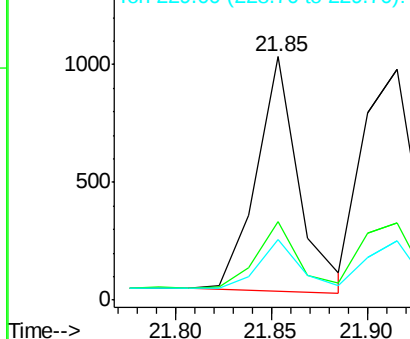
Delta R.T. -0.00 min

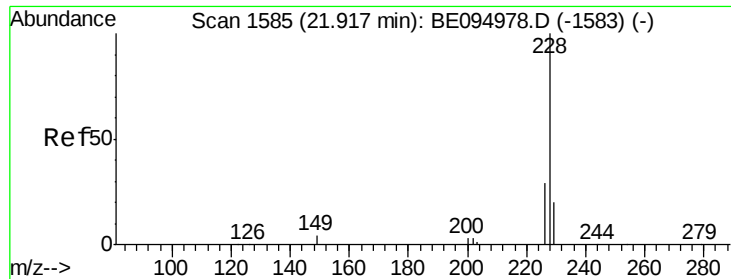
Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion:	228	Resp:	1520
Ion Ratio	Lower	Upper	
228	100		
226	32.4	40.0	60.0#
229	25.0	40.0	60.0#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.027 ng/mL

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Instrument :

BNA_E

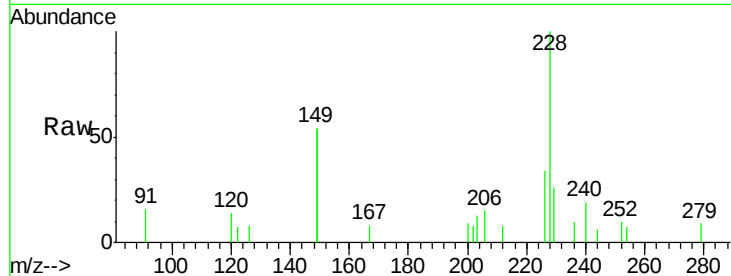
ClientSampleID :

PB104984BL

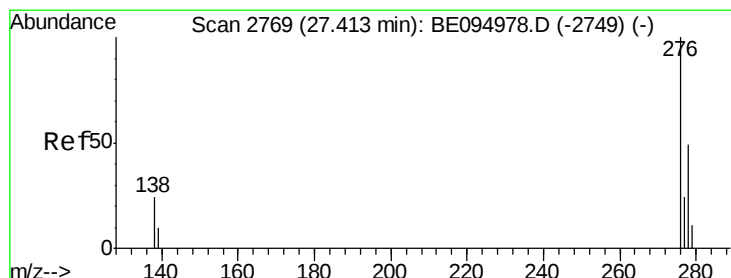
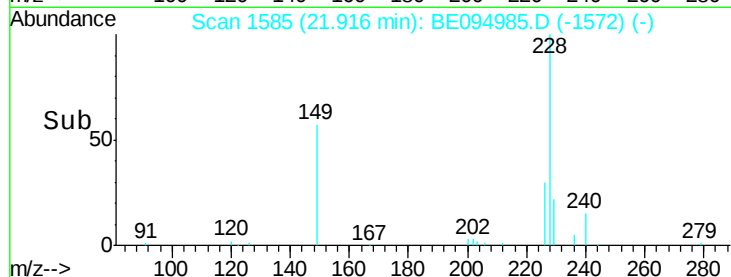
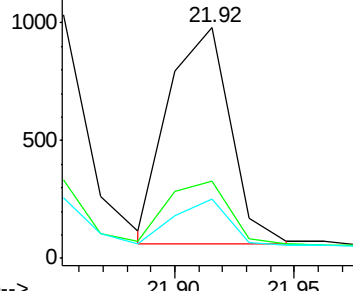
Tot Ion:	228	Resp:	1663
Ion Ratio	Lower	Upper	
228	100		
226	33.5	40.0	60.0#
229	25.8	40.0	60.0#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.030 ng/mL

RT: 27.41 min Scan# 2769

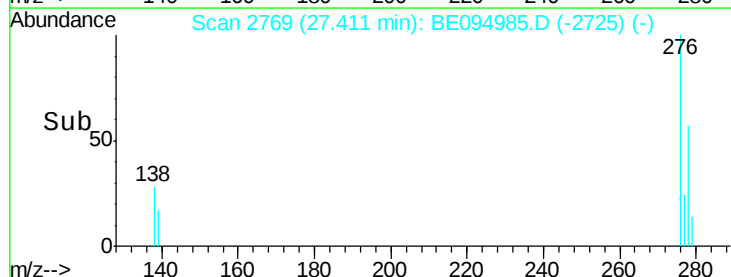
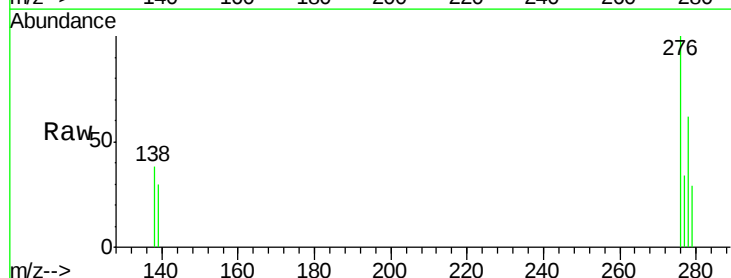
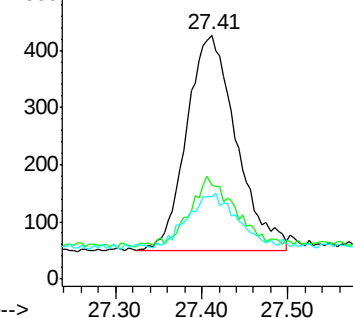
Delta R.T. -0.00 min

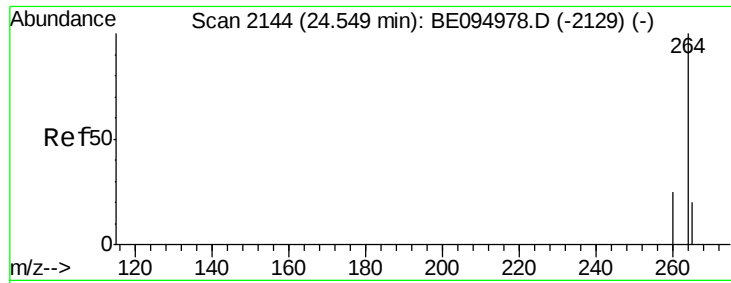
Lab File: BE094985.D

Acq: 14 Dec 2017 20:12

Tgt Ion:	276	Resp:	1506
Ion Ratio	Lower	Upper	
276	100		
138	27.6	22.5	33.7
277	25.0	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





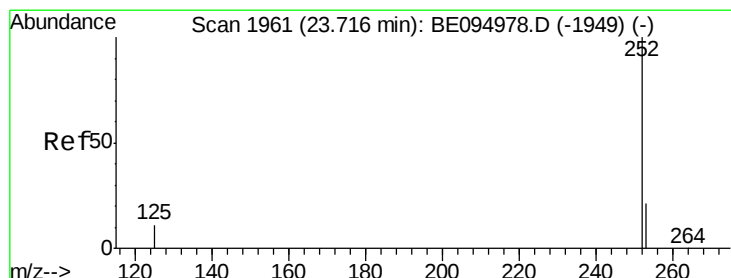
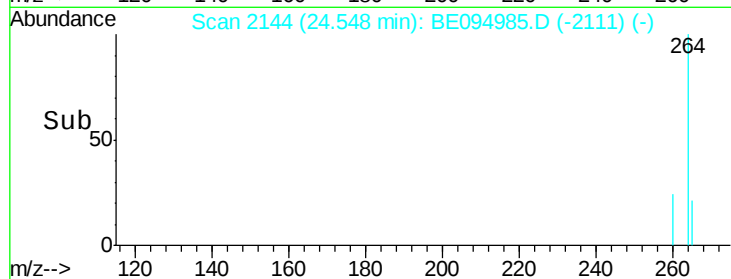
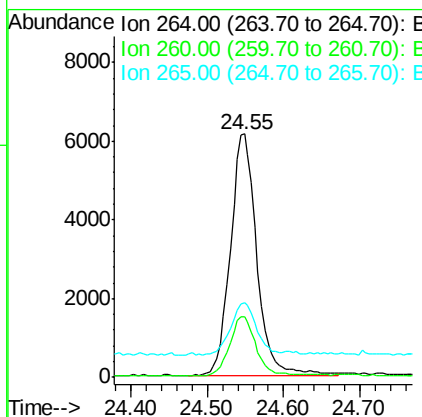
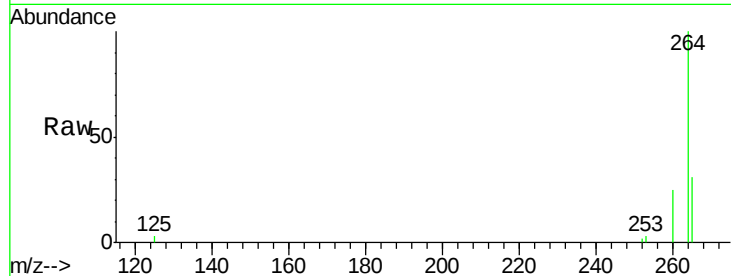
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.55 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.5	30.7
265	30.8	22.8	34.2

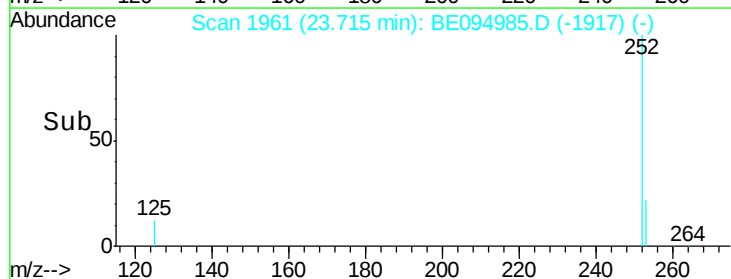
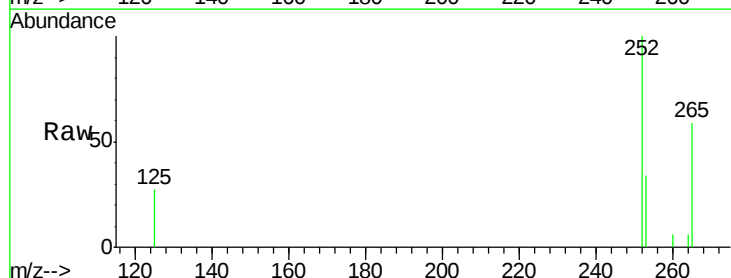
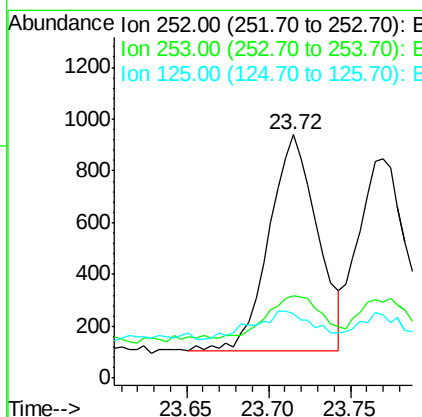
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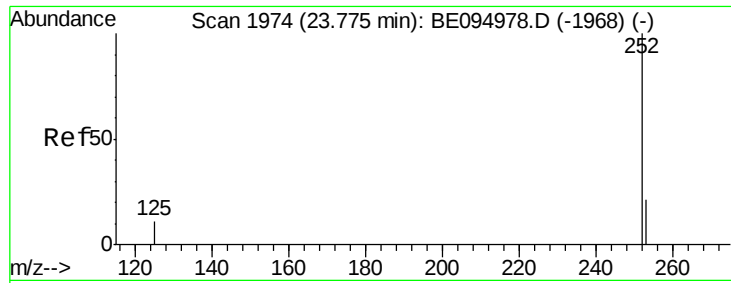
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#35
 Benzo(b)fluoranthene
 Concen: 0.032 ng
 RT: 23.72 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BE094985.D
 Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	20.0	30.0#
125	26.7	16.0	24.0#





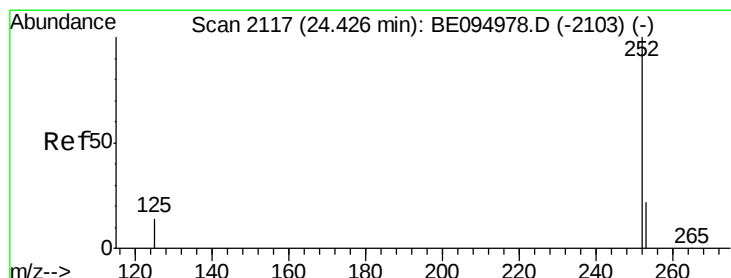
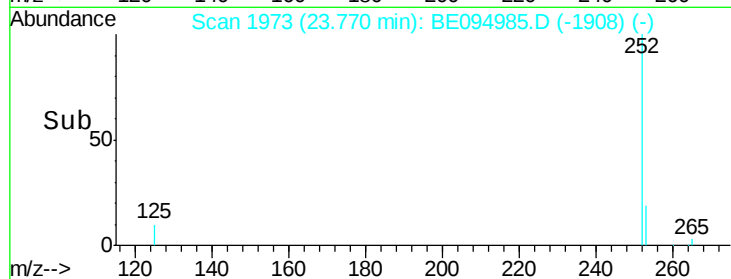
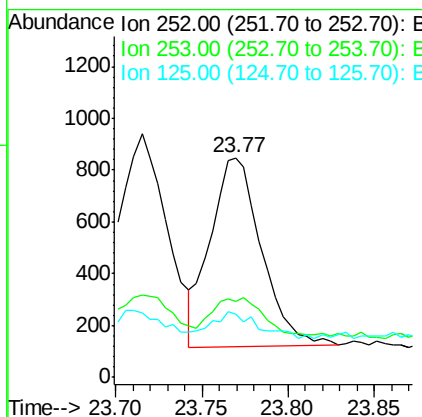
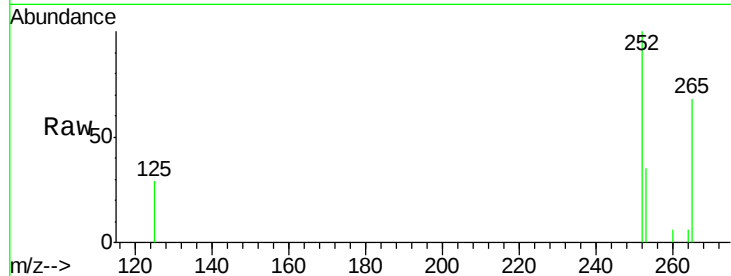
#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 23.77 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Instrument :
BNA_E
ClientSampleId :
PB104984BL

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.6	16.0	24.0#
125	28.9	8.0	12.0#

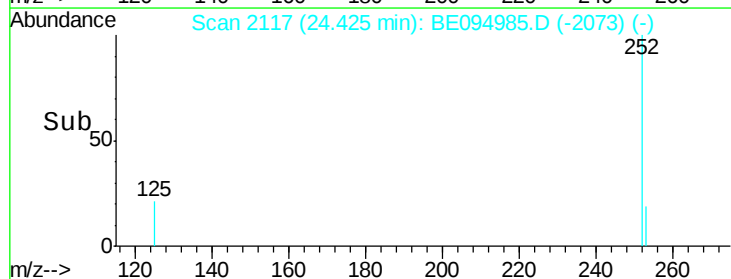
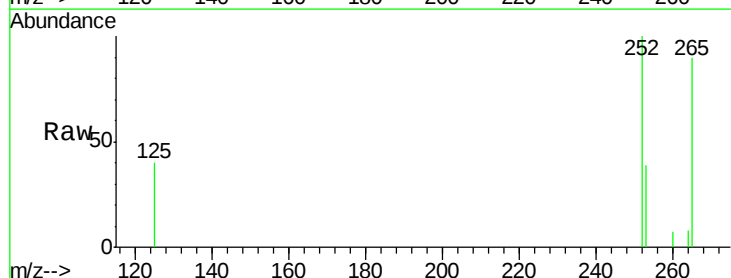
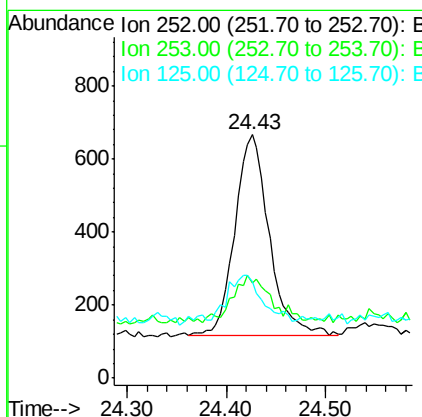
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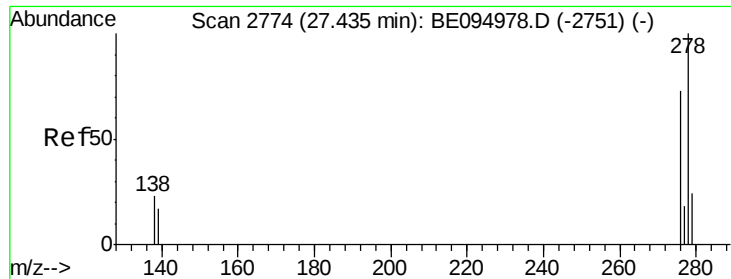
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#37
Benzo(a)pyrene
Concen: 0.028 ng
RT: 24.43 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	16.0	24.0#
125	39.7	12.0	18.0#





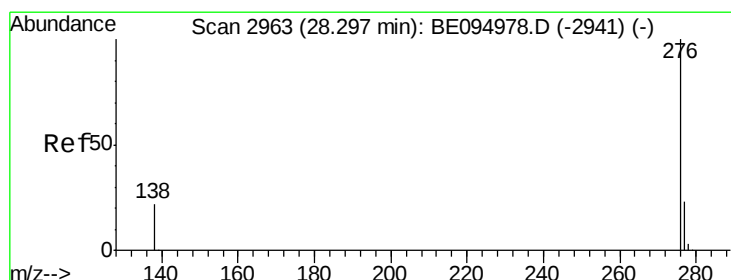
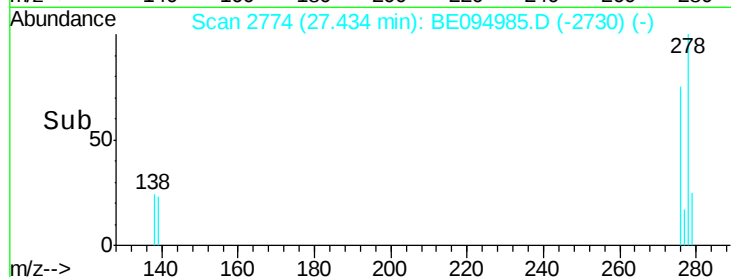
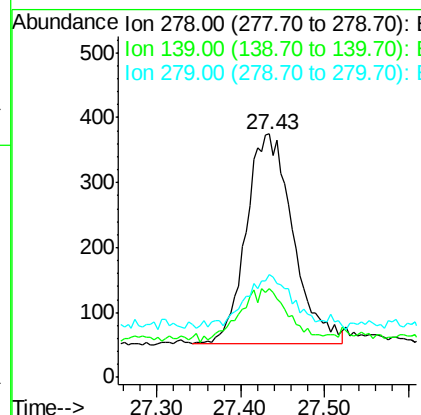
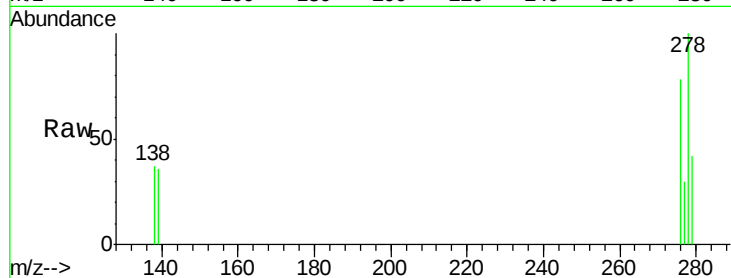
#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Instrument :
BNA_E
ClientSampleId :
PB104984BL

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.3	16.0	24.0#
279	42.1	20.0	30.0#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.033 ng
RT: 28.29 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BE094985.D
Acq: 14 Dec 2017 20:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.2	16.0	24.0#
138	33.2	20.0	30.0#

