

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
 Data File : BE098553.D
 Acq On : 21 Dec 2018 15:52
 Operator : SJ/JU
 Sample : PB115910BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BS

Manual Integrations
 APPROVED

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 12/26/2018 3:24:35 PM

Quant Time: Dec 24 15:41:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	457	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	1866	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1357	0.40	ng	-0.02
19) Phenanthrene-d10	17.27	188	4602	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	8796	0.40	ng	-0.01
34) Perylene-d12	23.99	264	8031	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	549	0.51	ng	0.00
5) Phenol-d6	7.05	99	747	0.49	ng	0.00
8) Nitrobenzene-d5	9.03	82	620	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	1355m	0.45	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	287	0.58	ng	-0.01
15) 2-Fluorobiphenyl	13.14	172	2066	0.36	ng	0.00
25) Fluoranthene-d10	19.30	212	31800	0.54	ng	-0.01
29) Terphenyl-d14	19.90	244	7385	0.35	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	212	0.268	ng	# 32
3) n-Nitrosodimethylamine	3.70	42	320	0.450	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	390	0.271	ng	# 81
9) Naphthalene	10.70	128	7594	0.404	ng	# 98
10) Hexachlorobutadiene	10.98	225	489	0.409	ng	# 99
12) 2-Methylnaphthalene	12.32	142	1241	0.407	ng	# 94
16) Acenaphthylene	14.24	152	2171	0.341	ng	# 97
17) Acenaphthene	14.59	154	1403	0.367	ng	# 99
18) Fluorene	15.55	166	2062	0.403	ng	# 97
20) 4-Bromophenyl-phenylether	16.45	248	714	0.288	ng	# 92
21) Hexachlorobenzene	16.57	284	880	0.330	ng	# 94
22) Pentachlorophenol	16.93	266	531	1.024	ng	# 94
23) Phenanthrene	17.30	178	4340	0.388	ng	# 99
24) Anthracene	17.40	178	3595	0.361	ng	# 98
26) Fluoranthene	19.33	202	7558	0.511	ng	# 98
28) Pyrene	19.69	202	7802	0.283	ng	# 99
30) Benzo(a)anthracene	21.44	228	9155	0.366	ng	# 99
31) Chrysene	21.49	228	9811	0.374	ng	# 99
32) Bis(2-ethylhexyl)phthalate	21.35	149	16890	0.332	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9645	0.369	ng	# 97
35) Benzo(b)fluoranthene	23.21	252	9552	0.435	ng	# 98
36) Benzo(k)fluoranthene	23.26	252	10246	0.400	ng	# 98
37) Benzo(a)pyrene	23.88	252	9101	0.402	ng	# 97
38) Dibenzo(a,h)anthracene	26.69	278	7702	0.361	ng	# 98
39) Benzo(g,h,i)perylene	27.49	276	8214	0.382	ng	# 98

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

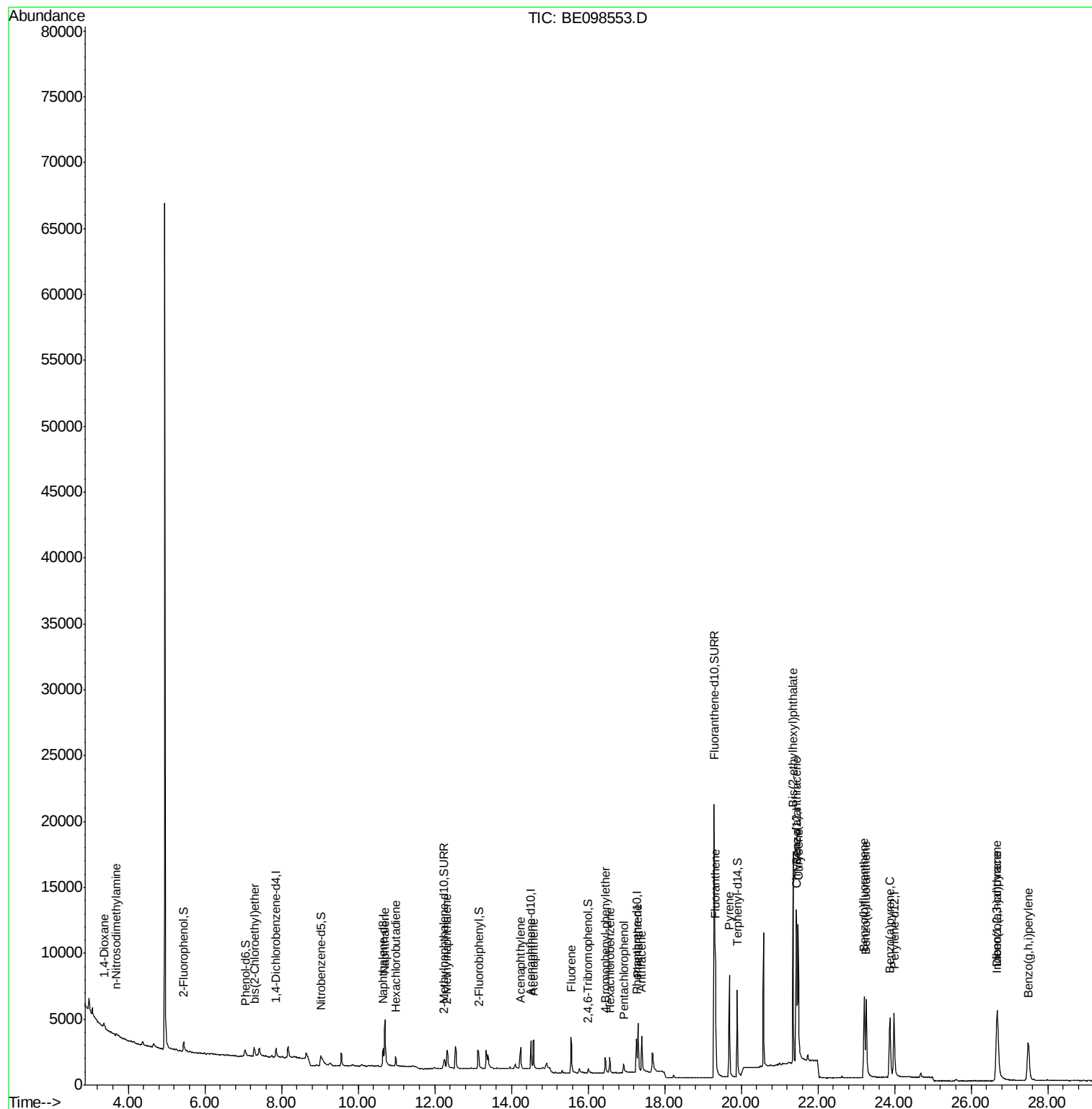
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
Data File : BE098553.D
Acq On : 21 Dec 2018 15:52
Operator : SJ/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 24 15:41:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
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#1

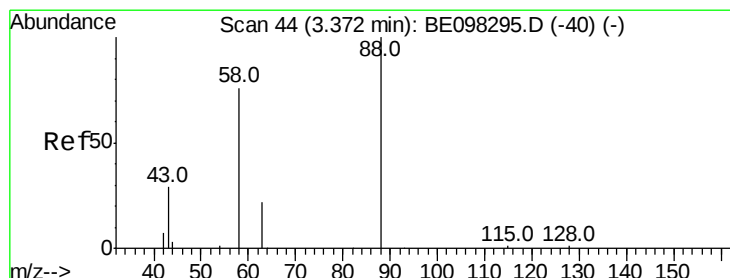
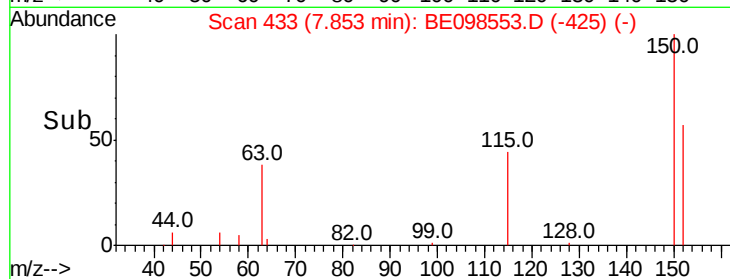
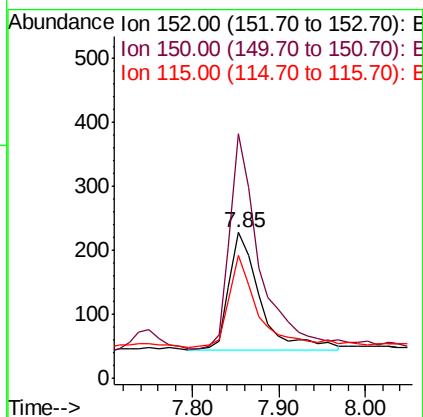
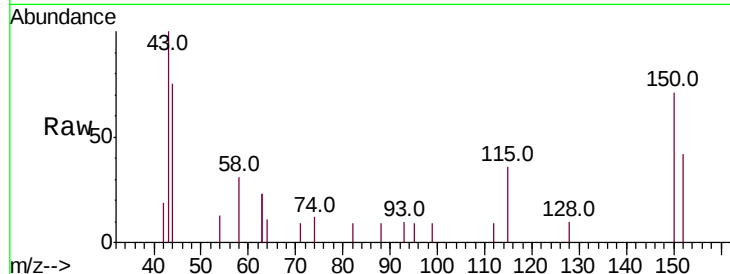
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.3	124.2	186.4
115	84.6	53.9	80.9

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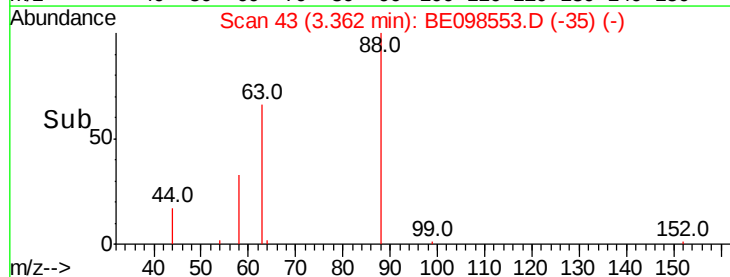
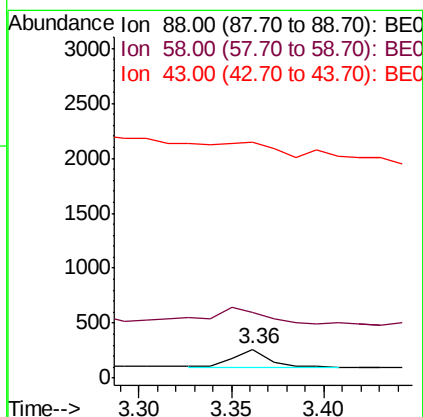
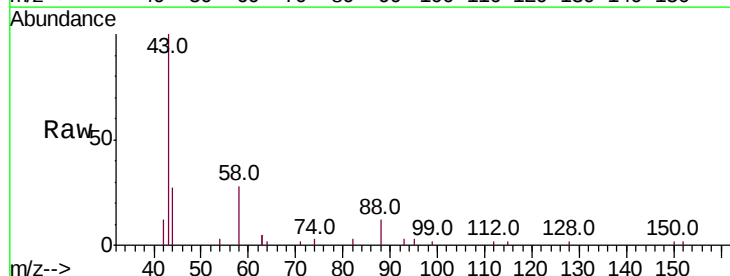
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#2

1,4-Dioxane
Concen: 0.268 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	158.5	75.0	112.6
43	0.0	38.3	57.5





#3

n-Nitrosodimethylamine

Concen: 0.450 ng

RT: 3.70 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

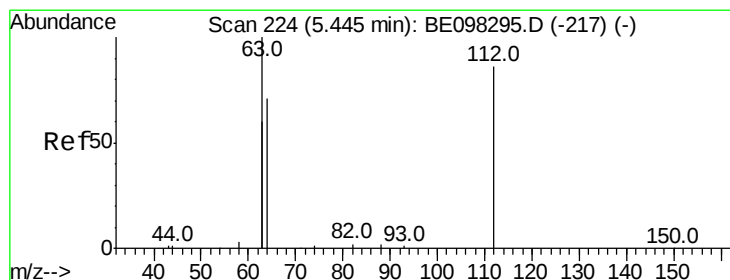
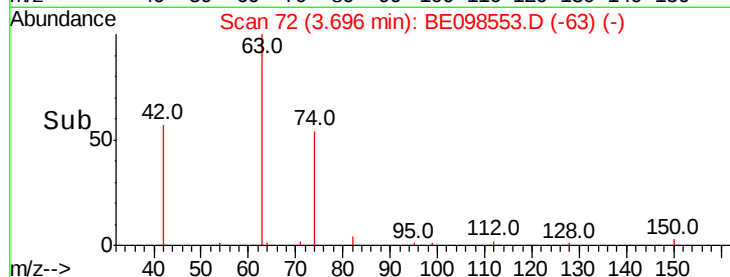
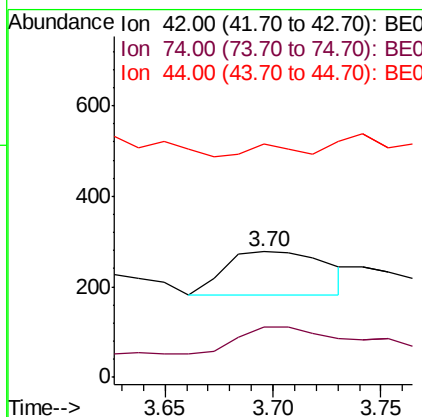
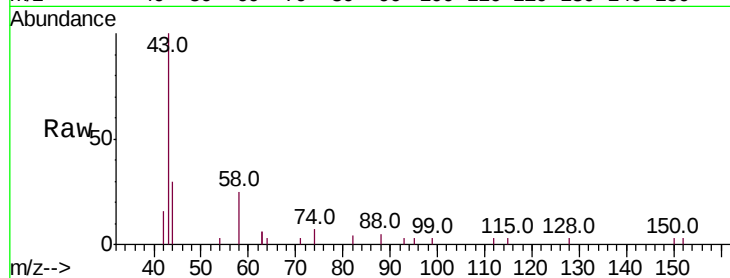
ClientSampleId :

PB115910BS

Tot Ion:	42	Resp:	320
Ion	Ratio	Lower	Upper
42	100		
74	59.7	0.0	0.0#
44	12.2	0.0	0.0#

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#4

2-Fluorophenol

Concen: 0.513 ng

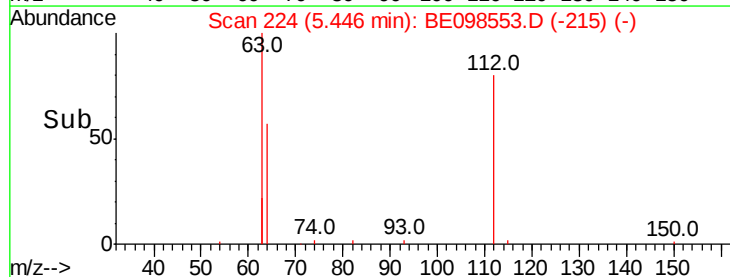
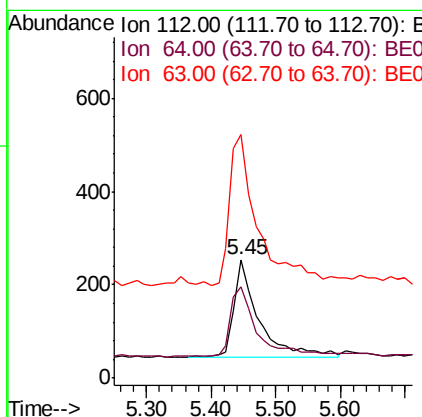
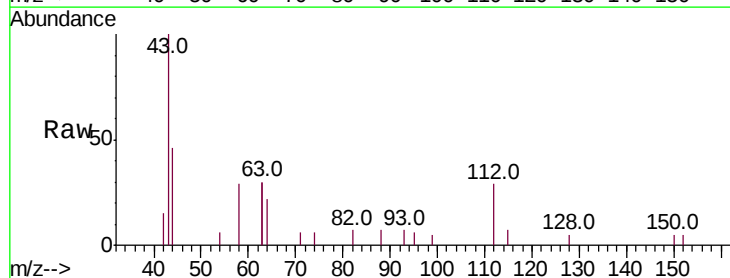
RT: 5.45 min Scan# 224

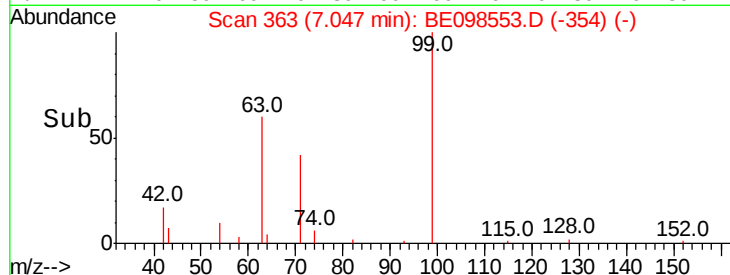
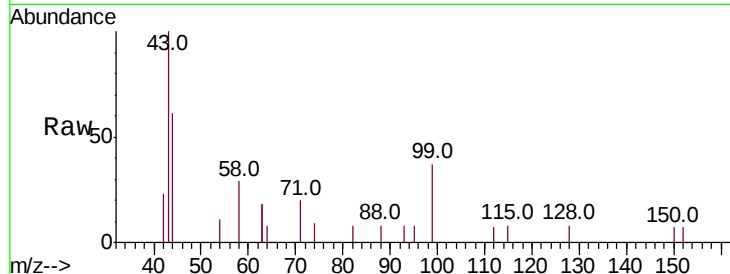
Delta R.T. 0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	112	Resp:	549
Ion	Ratio	Lower	Upper
112	100		
64	81.8	59.8	89.8
63	188.9	133.7	200.5





#5

Phenol-d6

Concen: 0.493 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tot Ion:	99	Resp:	747
Ion	Ratio	Lower	Upper
99	100		
42	30.3	26.3	39.5
71	42.3	33.6	50.4

Instrument :

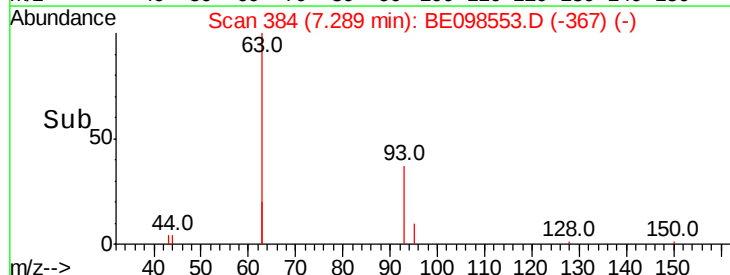
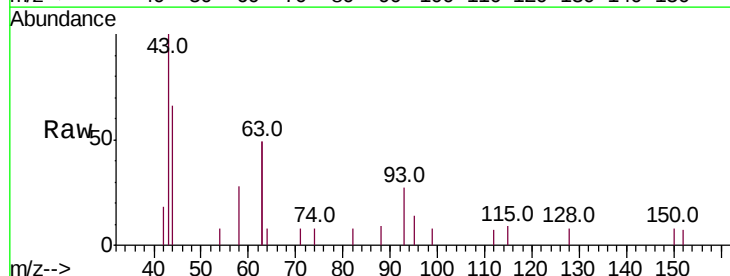
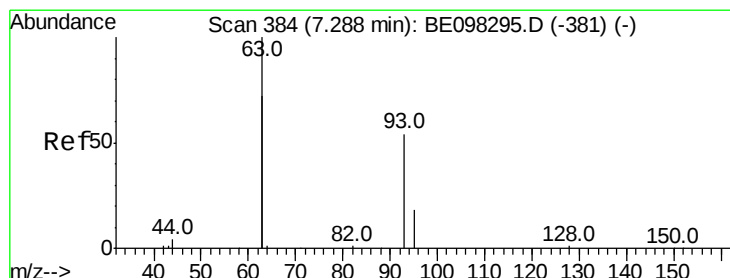
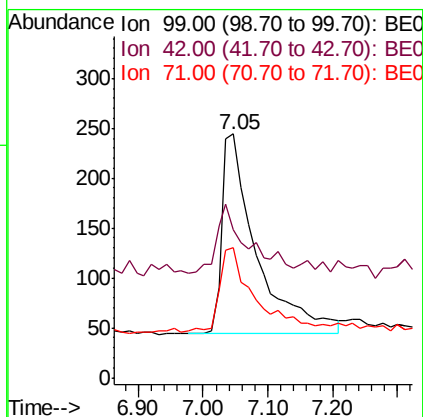
BNA_E

ClientSampleId :

PB115910BS

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#6

bis(2-Chloroethyl)ether

Concen: 0.271 ng

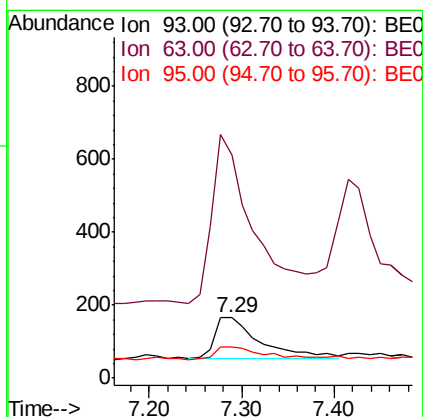
RT: 7.29 min Scan# 384

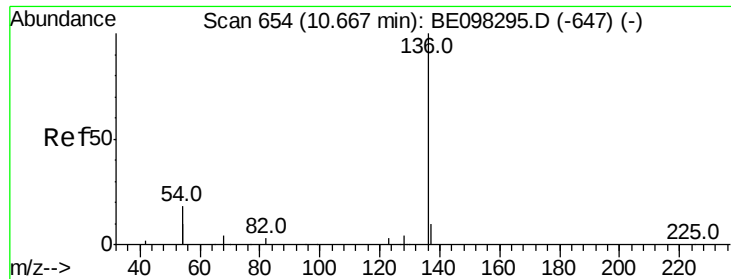
Delta R.T. 0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	93	Resp:	390
Ion	Ratio	Lower	Upper
93	100		
63	373.6	264.4	396.6
95	32.8	26.6	40.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

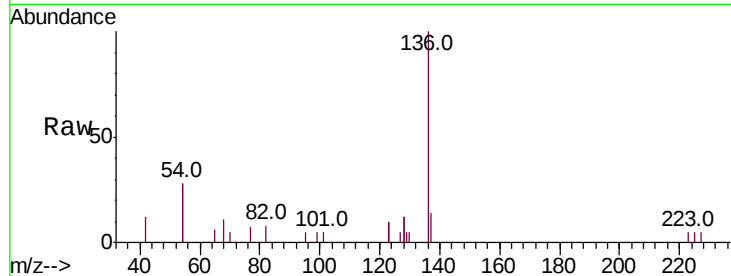
ClientSampled :

PB115910BS

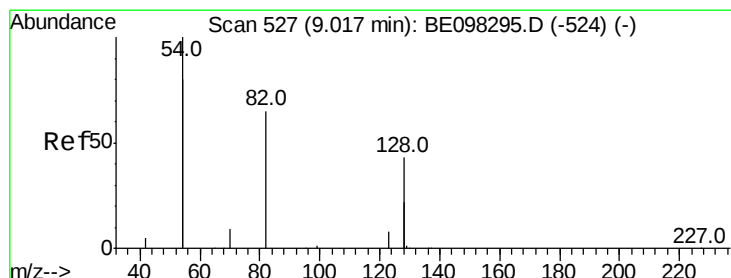
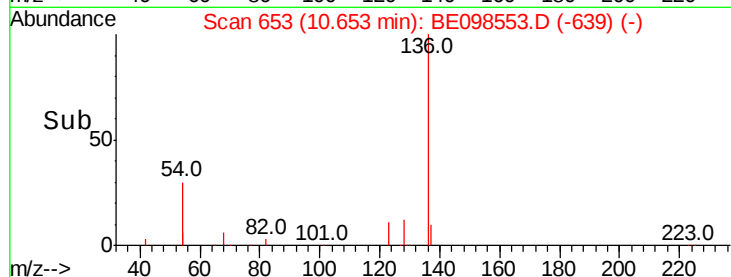
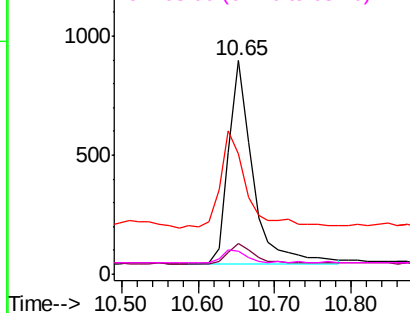
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	14.3	9.2	13.8#	
54	56.2	28.4	42.6#	
68	10.9	5.4	8.0#	

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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: 0.365 ng

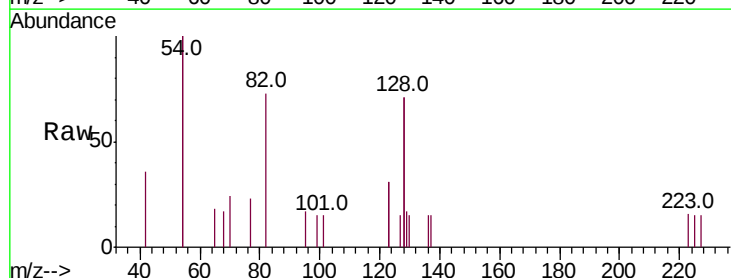
RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

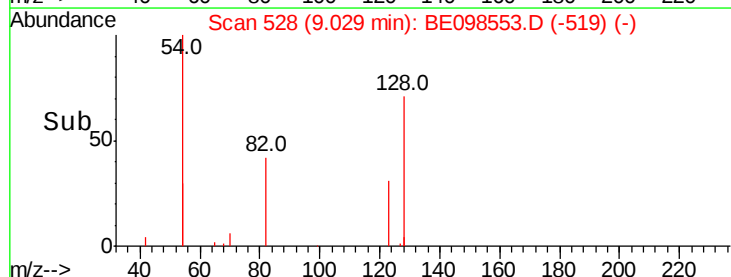
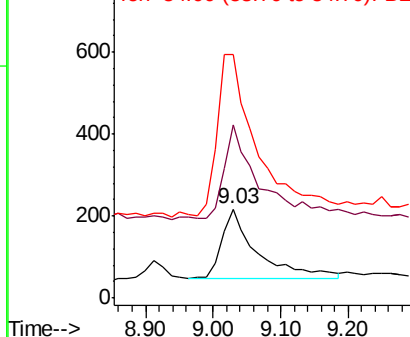
Lab File: BE098553.D

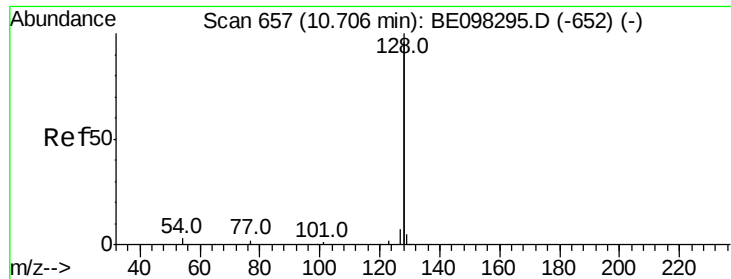
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	194.5	102.4	153.6#	
54	273.7	221.8	332.8	



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: 0.404 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

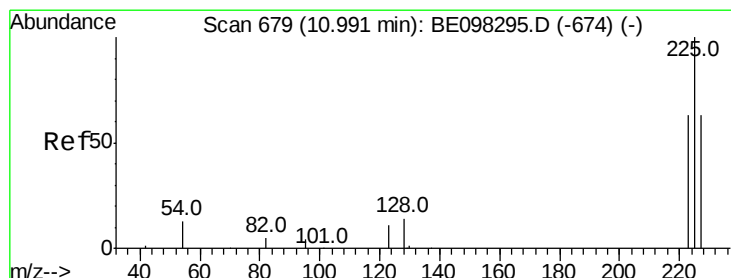
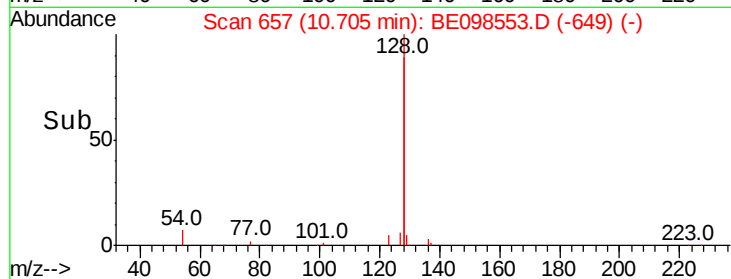
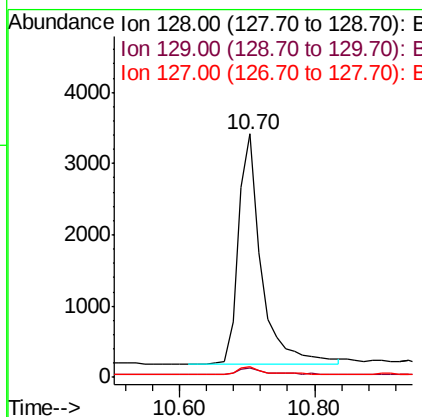
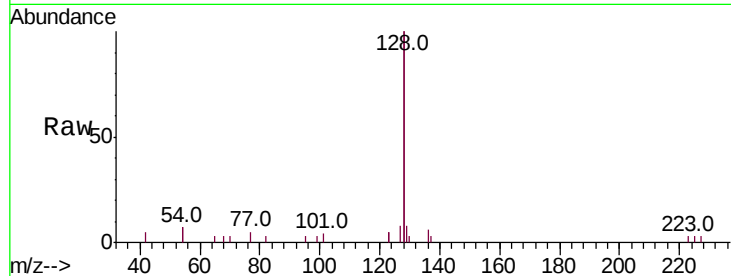
ClientSampleId :

PB115910BS

Tot Ion:	128	Resp:	7594
Ion Ratio	Lower	Upper	
128	100		
129	3.9	2.5	3.7#
127	4.2	2.7	4.1#

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#10

Hexachlorobutadiene

Concen: 0.409 ng

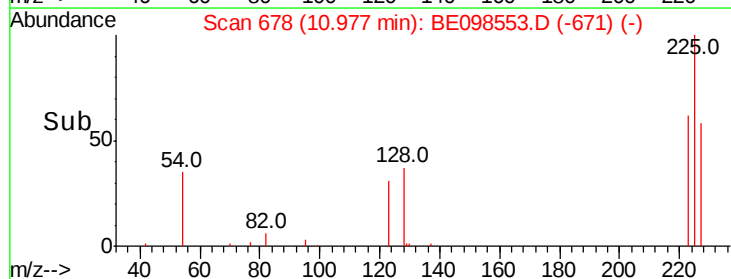
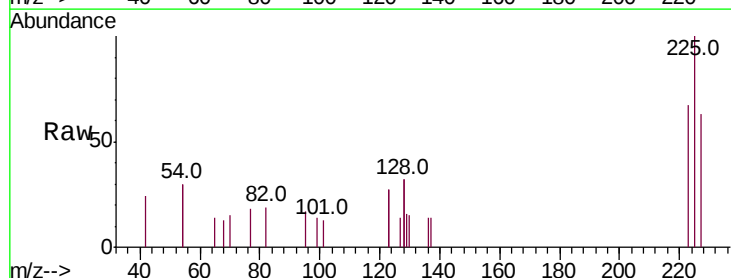
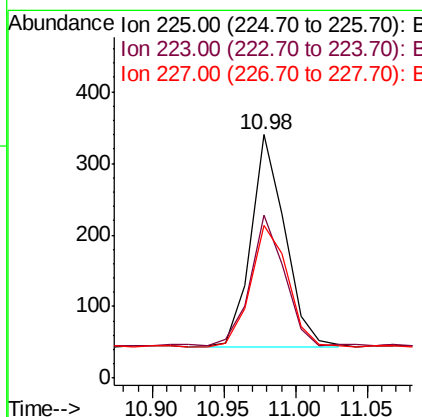
RT: 10.98 min Scan# 678

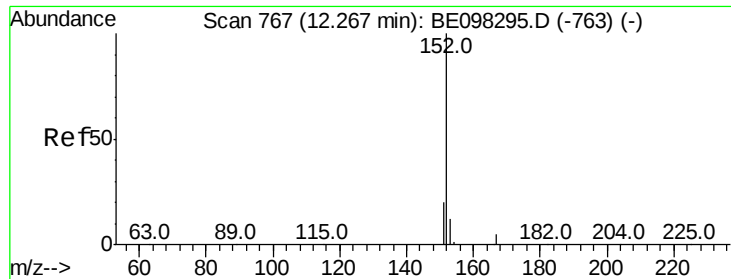
Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	225	Resp:	489
Ion Ratio	Lower	Upper	
225	100		
223	61.1	49.4	74.0
227	63.8	52.0	78.0





#11

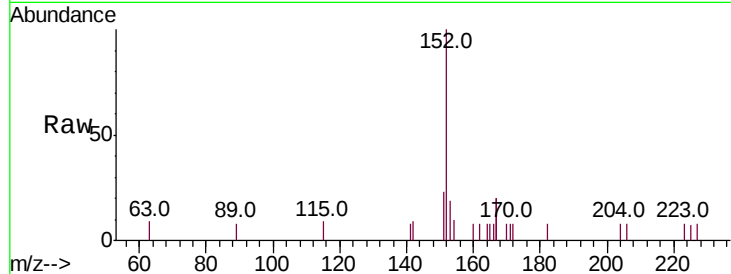
2-Methylnaphthalene-d10
 Concen: 0.447 ng m
 RT: 12.25 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BE098553.D
 Acq: 21 Dec 2018 15:52

Instrument :
 BNA_E
 ClientSampleId :
 PB115910BS

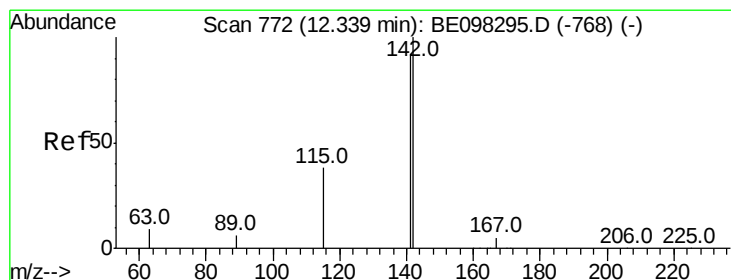
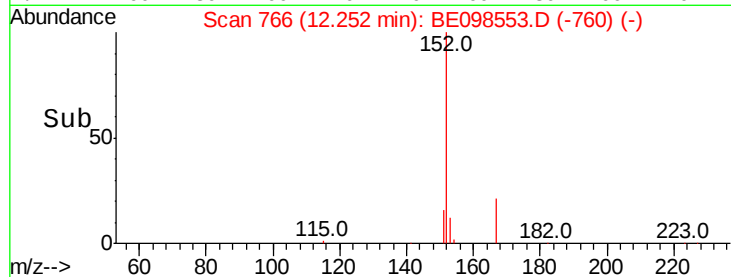
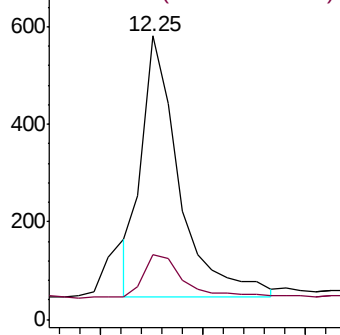
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.4

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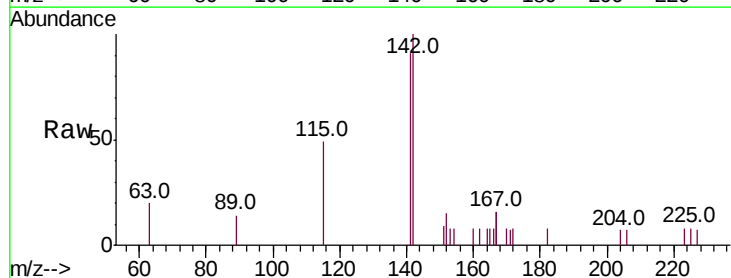
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E



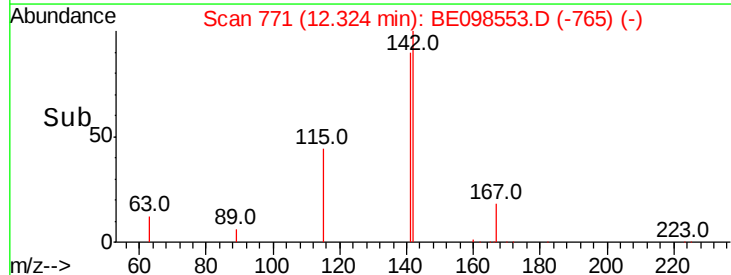
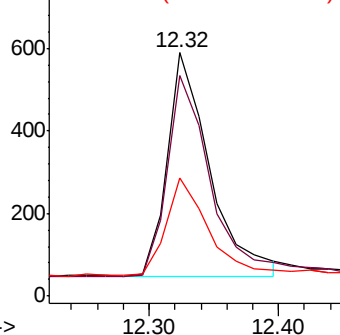
#12

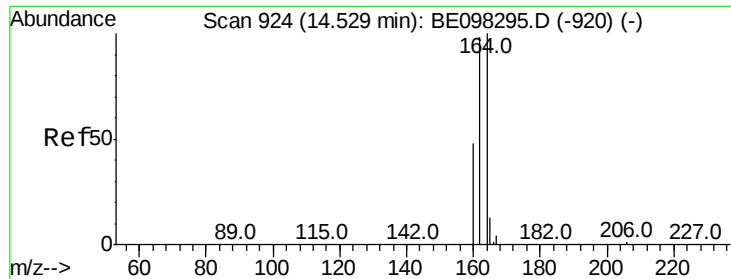
2-Methylnaphthalene
 Concen: 0.407 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BE098553.D
 Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.0	106.6
115	48.6	32.2	48.2#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

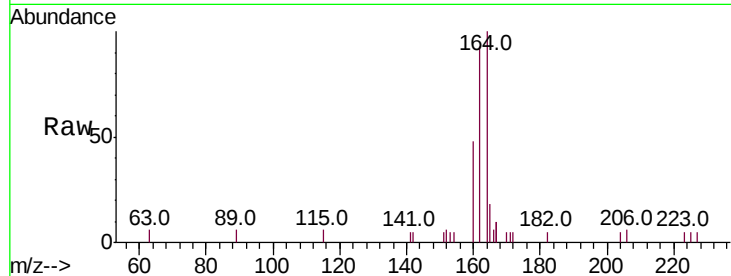
ClientSampleId :

PB115910BS

Tot Ion:	164	Resp:	1357
Ion Ratio	Lower	Upper	
164	100		
162	93.1	77.6	116.4
160	48.3	36.0	54.0

Manual Integrations
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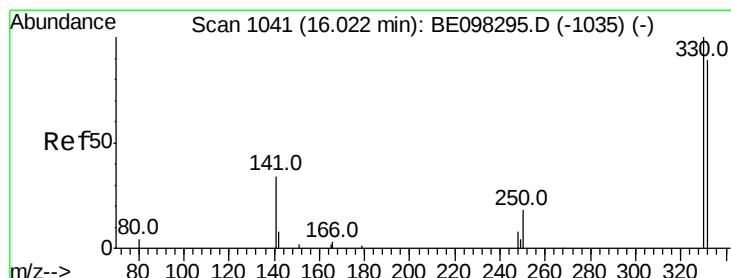
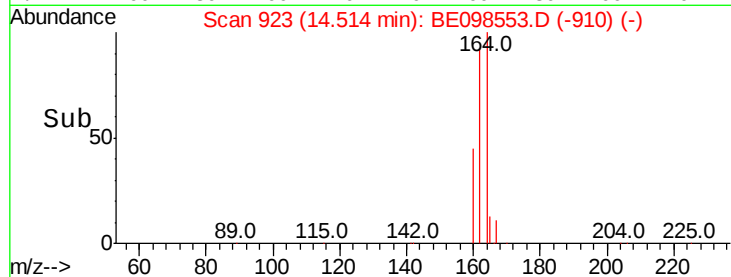
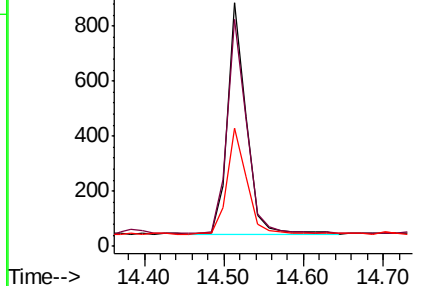
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.576 ng

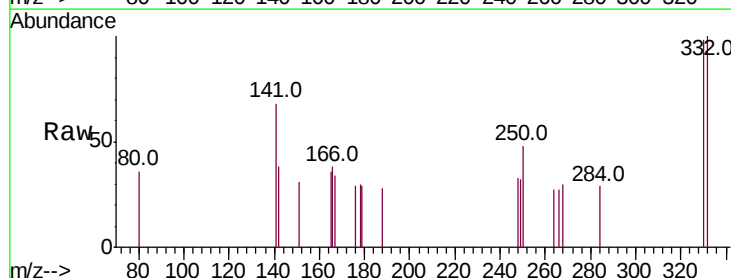
RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

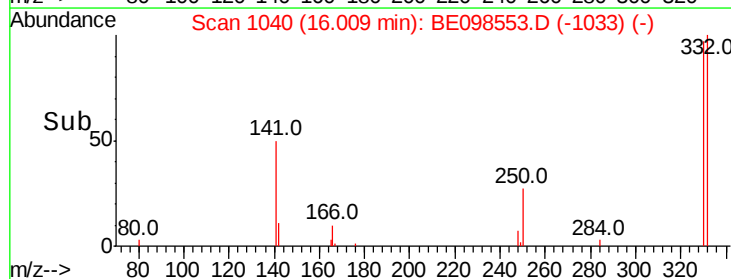
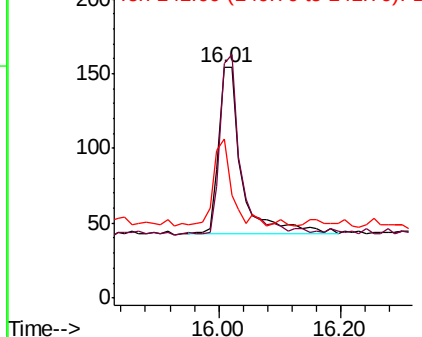
Tgt Ion:	330	Resp:	287
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.2	114.4
141	41.8	39.0	58.4

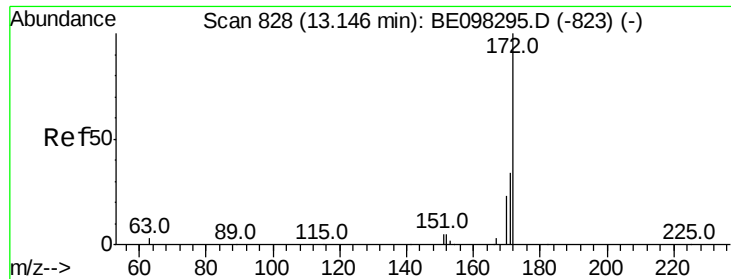


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





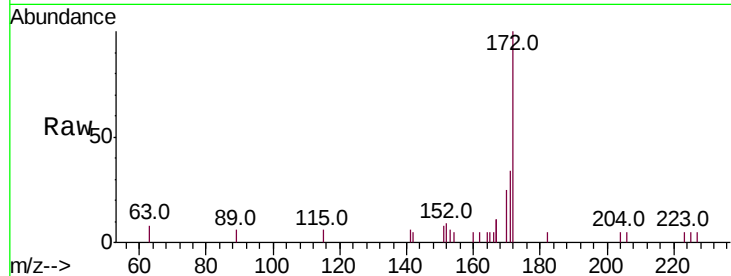
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.5	41.3
170	24.6	19.6	29.4

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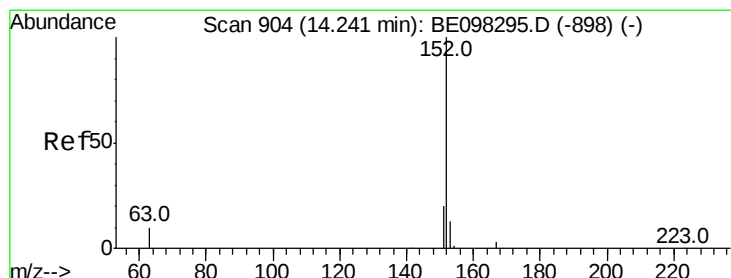
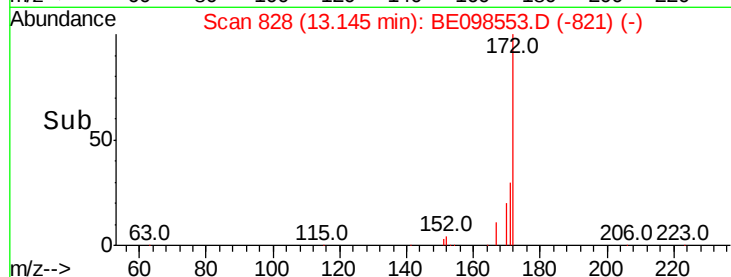
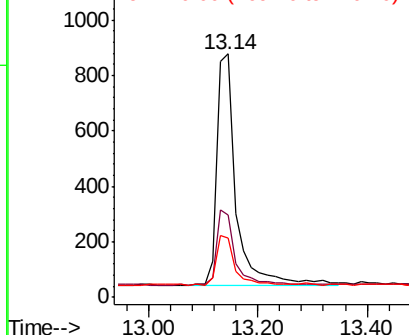


Abundance

Ion 172.00 (171.70 to 172.70): E

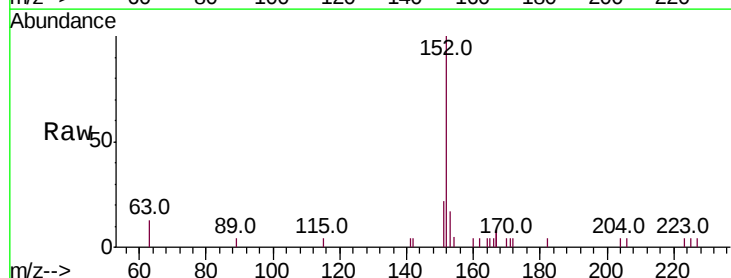
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.341 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.5	23.3
153	14.1	10.6	16.0

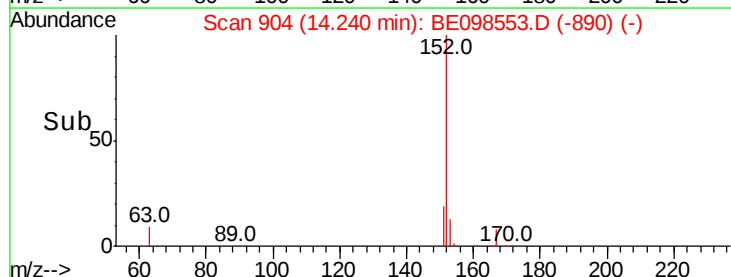
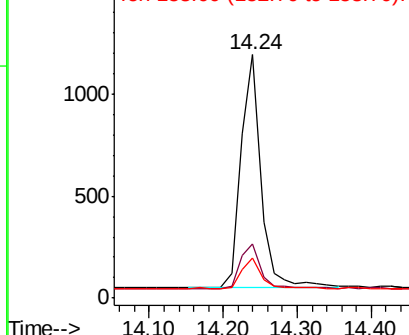


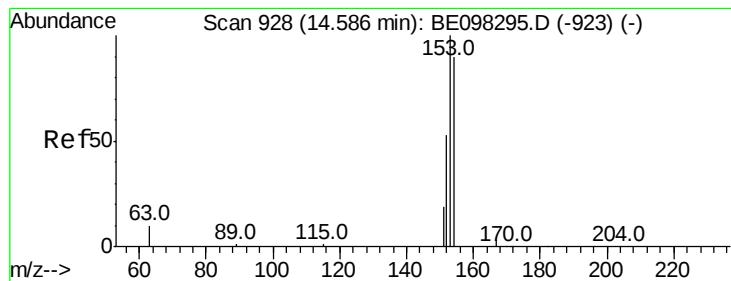
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.367 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

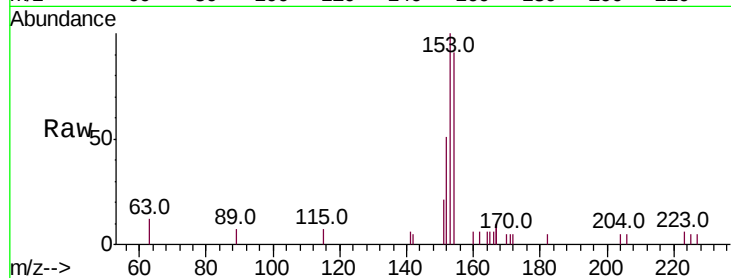
ClientSampleId :

PB115910BS

Tot Ion:	154	Resp:	1403
Ion Ratio	Lower	Upper	
154	100		
153	115.5	91.8	137.6
152	58.4	45.5	68.3

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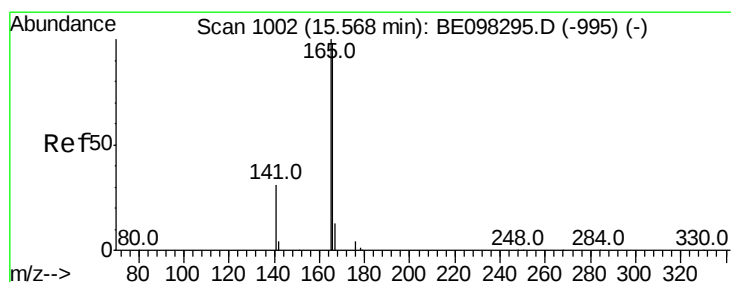
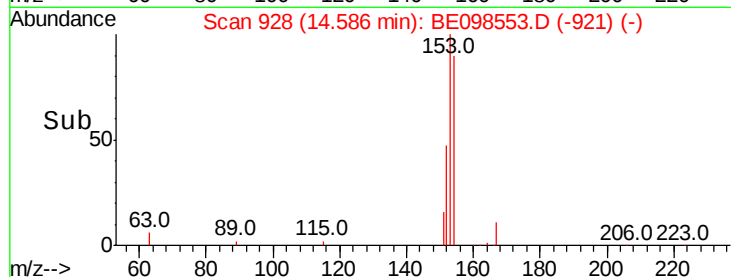
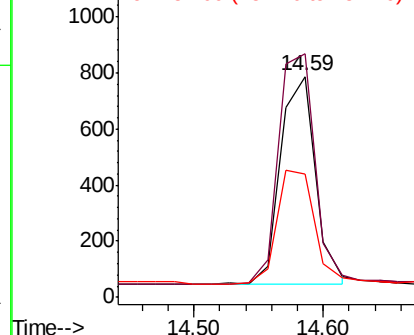


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.403 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

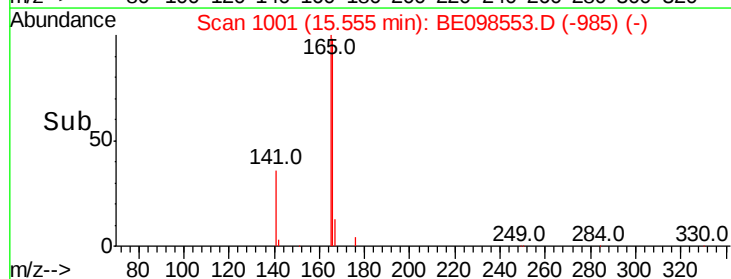
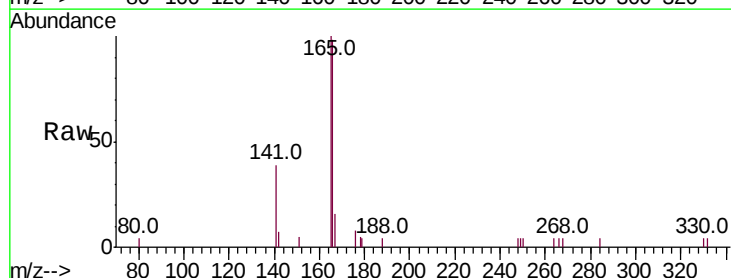
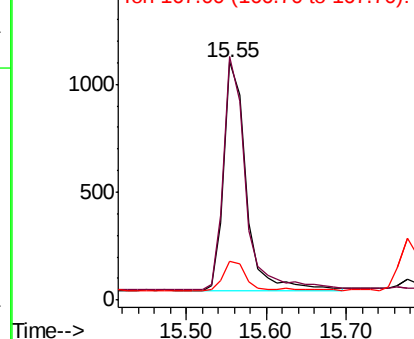
Tgt Ion:	166	Resp:	2062
Ion Ratio	Lower	Upper	
166	100		
165	102.1	79.3	118.9
167	13.6	11.3	16.9

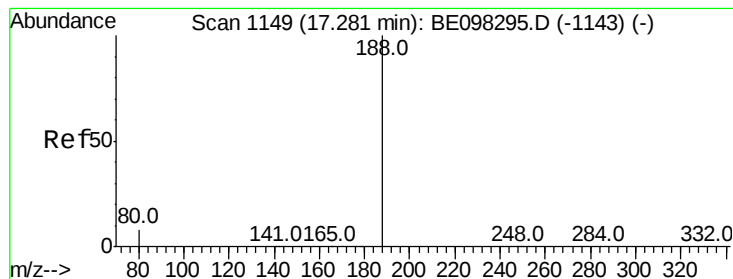
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

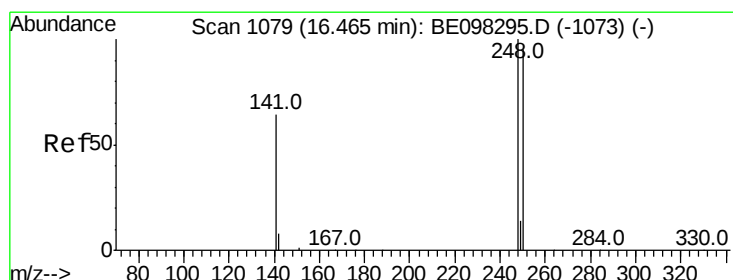
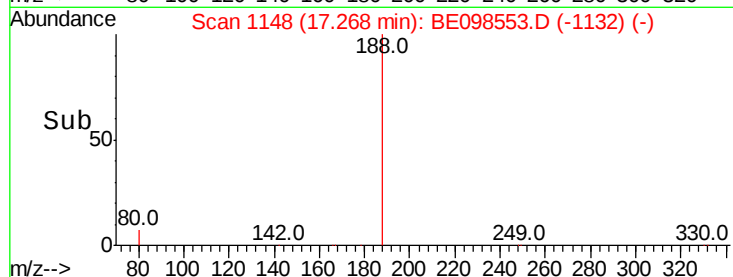
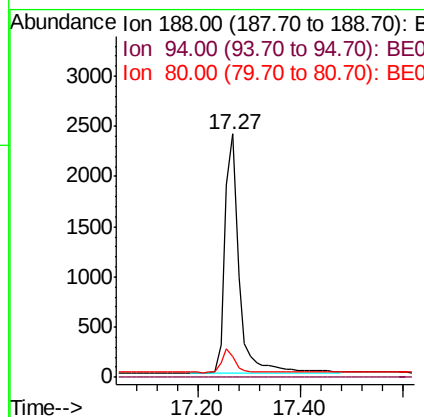
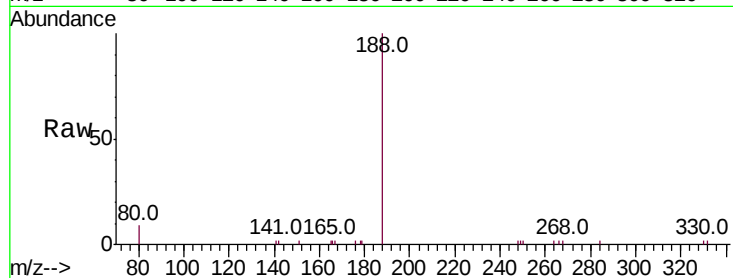
ClientSampleId :

PB115910BS

Tot Ion:	188	Resp:	4602
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	7.2	10.8

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#20

4-Bromophenyl-phenylether

Concen: 0.288 ng

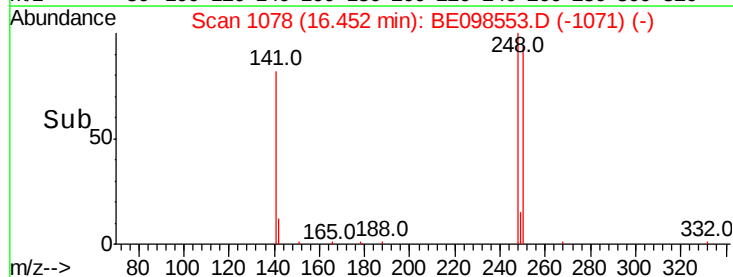
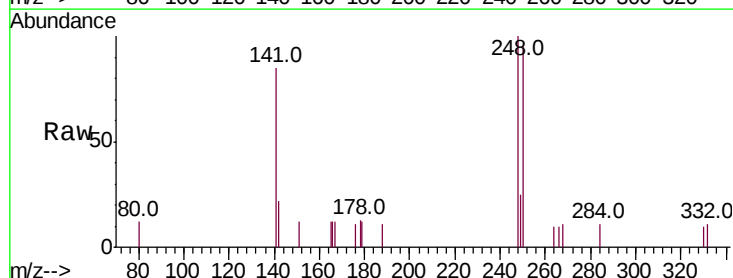
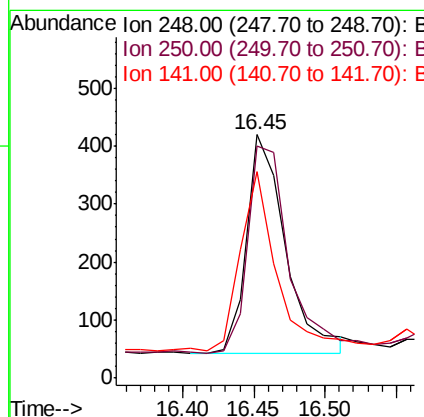
RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	248	Resp:	714
Ion Ratio	Lower	Upper	
248	100		
250	95.2	71.0	106.6
141	84.8	62.1	93.1





#21

Hexachlorobenzene

Concen: 0.330 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

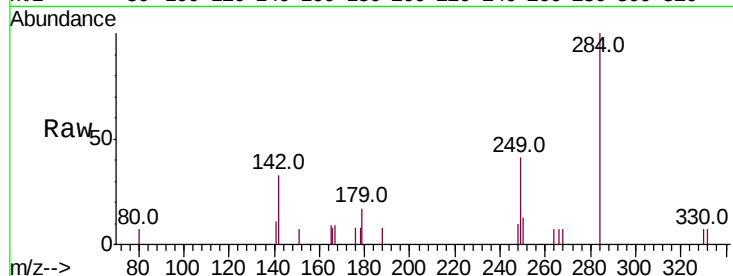
ClientSampleId :

PB115910BS

Tot Ion:	284	Resp:	880
Ion Ratio	Lower	Upper	
284	100		
142	36.4	26.3	39.5
249	35.6	26.0	39.0

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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.57

600

400

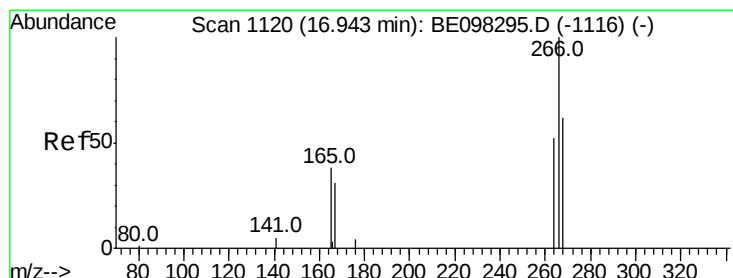
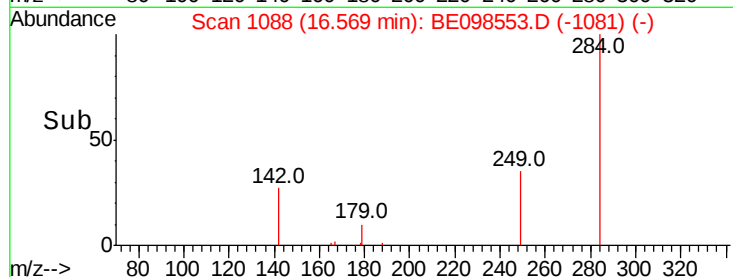
200

0

16.50

16.60

Time-->



#22

Pentachlorophenol

Concen: 1.024 ng

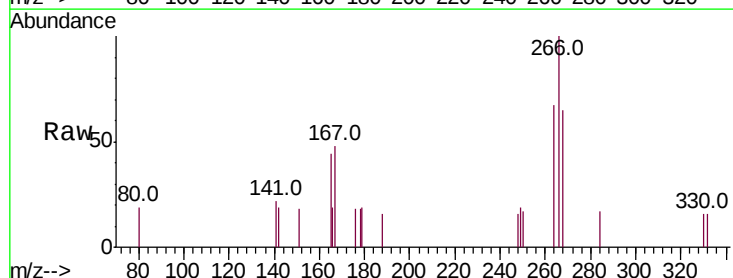
RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	266	Resp:	531
Ion Ratio	Lower	Upper	
266	100		
264	66.8	59.0	88.4
268	65.3	55.1	82.7



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.93

300

200

100

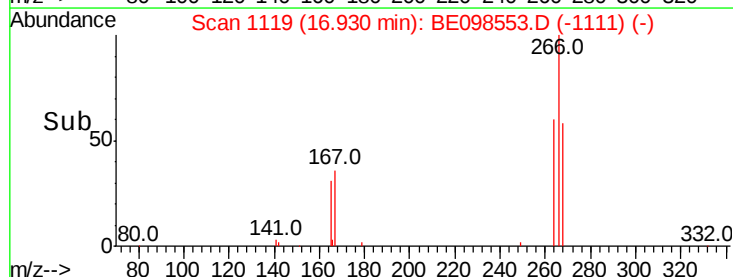
0

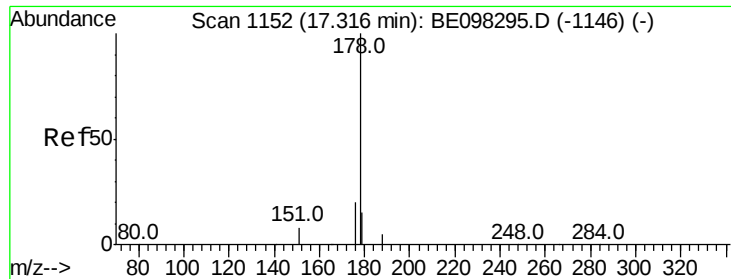
16.80

16.90

17.00

Time-->





#23

Phenanthrene

Concen: 0.388 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

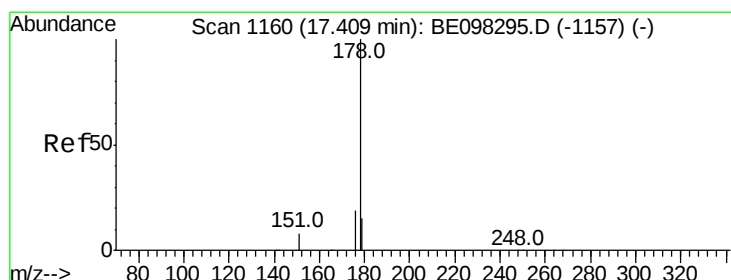
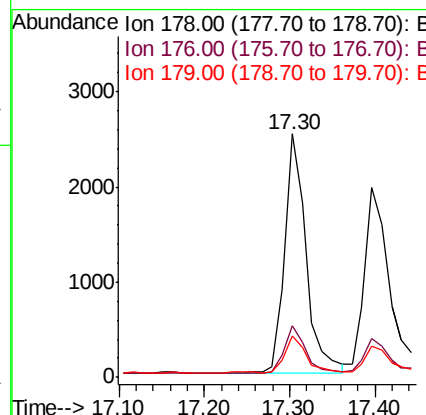
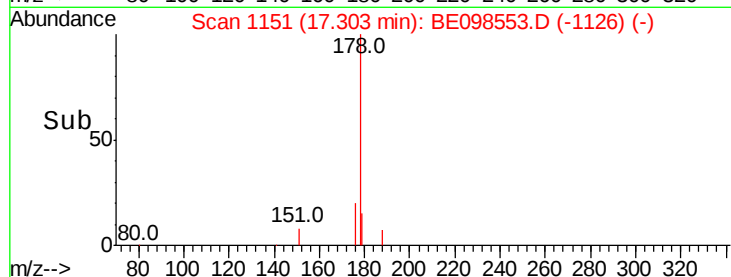
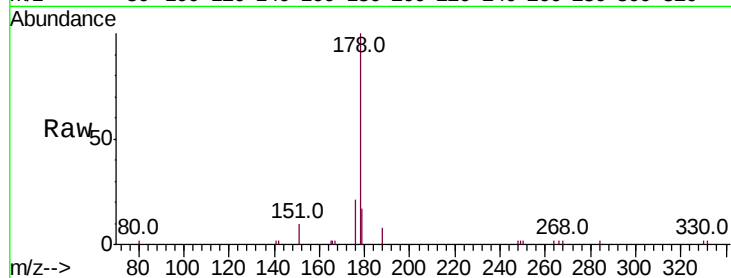
ClientSampleId :

PB115910BS

Tot Ion:	178	Resp:	4340
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.9	23.9
179	15.6	12.3	18.5

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#24

Anthracene

Concen: 0.361 ng

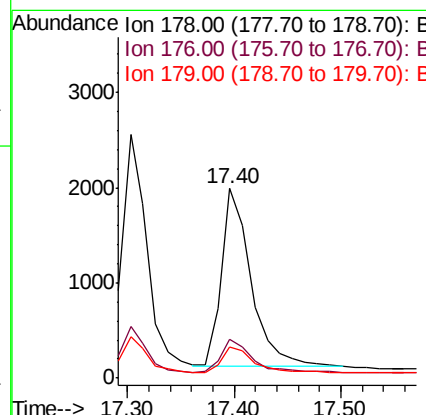
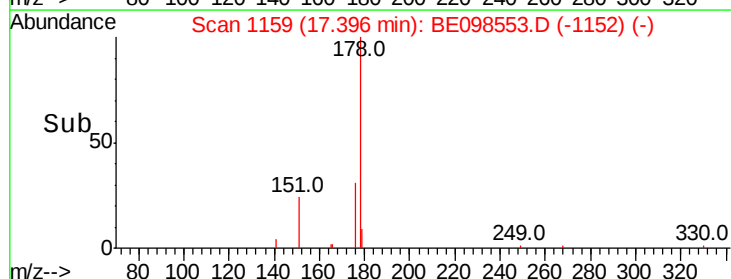
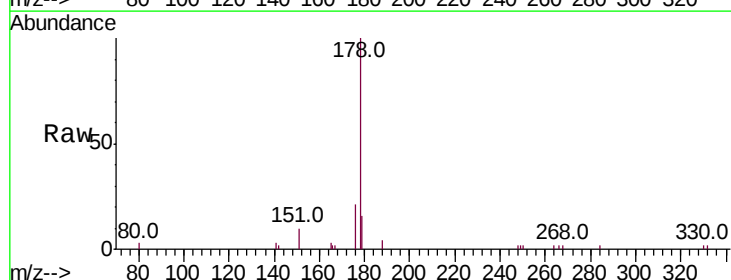
RT: 17.40 min Scan# 1159

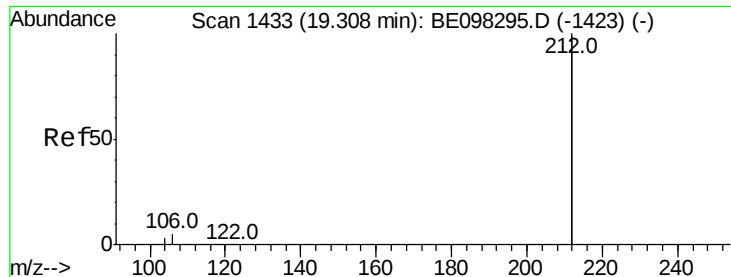
Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	178	Resp:	3595
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.0	22.4
179	14.9	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.539 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

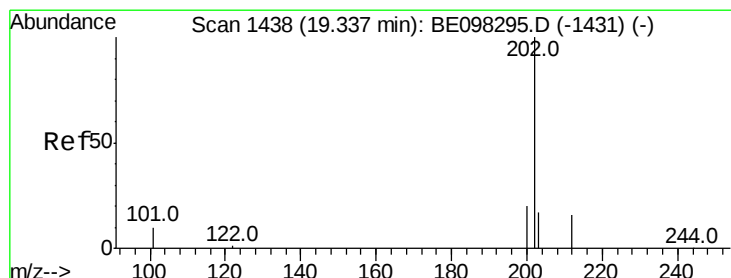
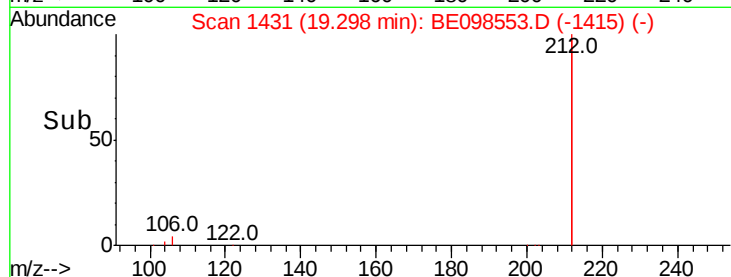
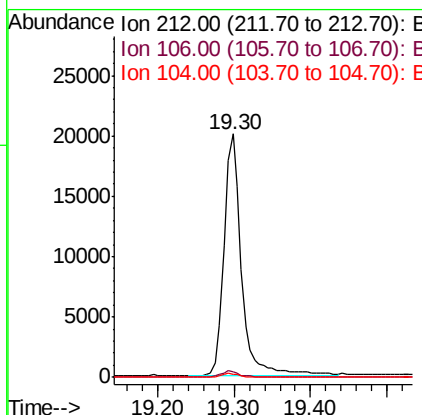
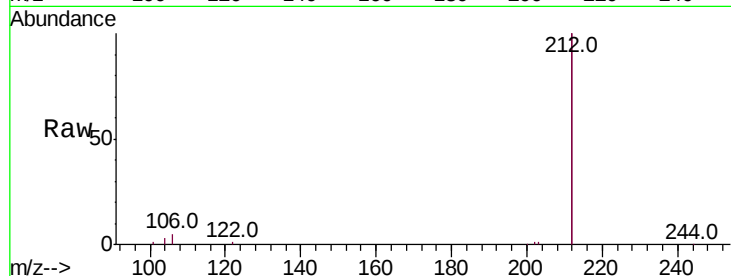
ClientSampled :

PB115910BS

Tot Ion:	212	Resp:	31800
Ion Ratio	Lower	Upper	
212	100		
106	2.2	2.2	3.2
104	1.3	1.3	1.9

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#26

Fluoranthene

Concen: 0.511 ng

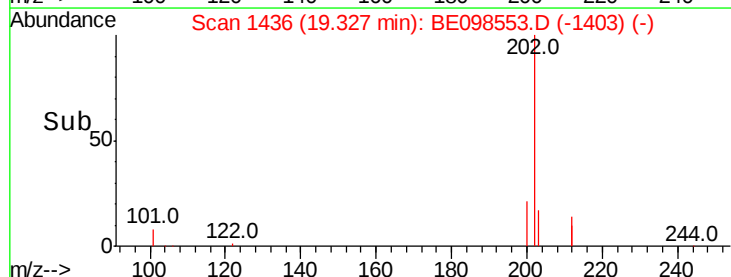
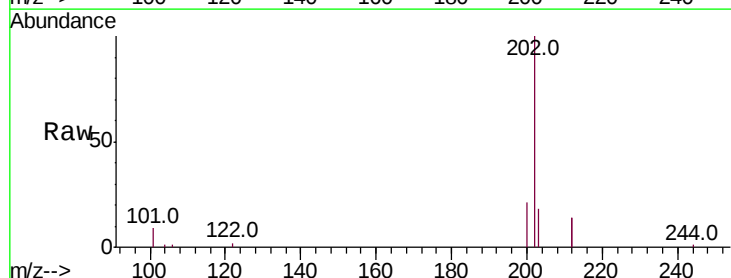
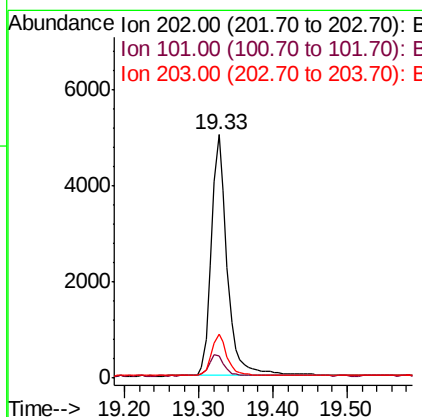
RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	202	Resp:	7558
Ion Ratio	Lower	Upper	
202	100		
101	8.8	8.0	12.0
203	16.5	13.8	20.6





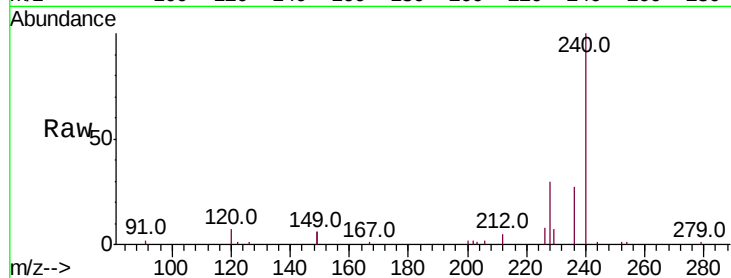
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

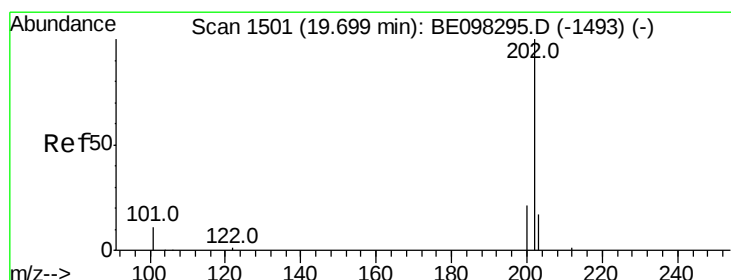
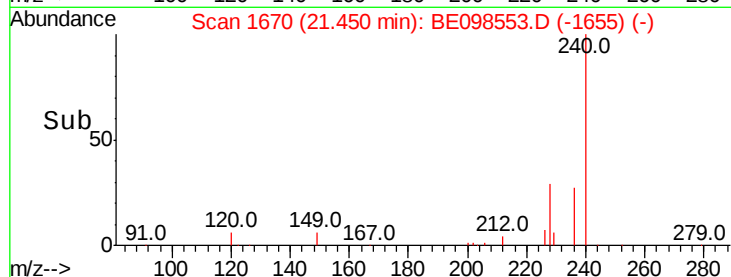
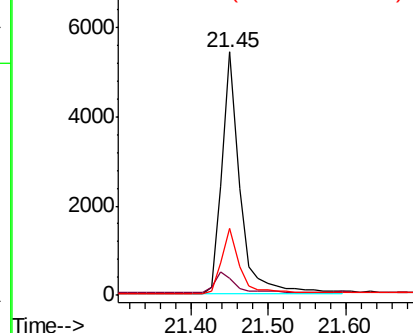
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	27.4	22.7	34.1

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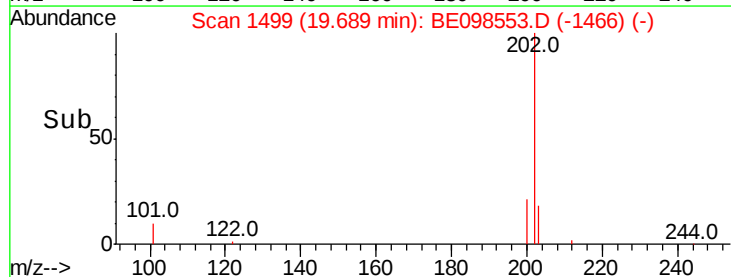
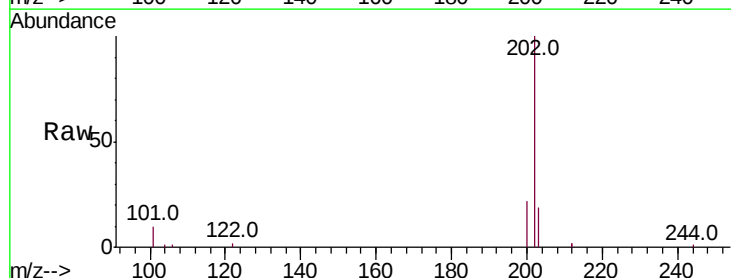
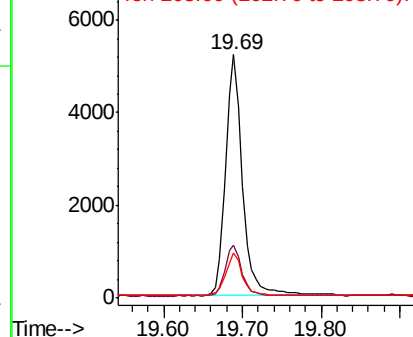
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.283 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	14.1	21.1

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: 0.345 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

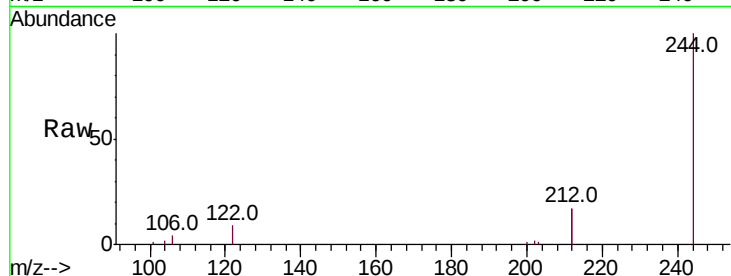
ClientSampleId :

PB115910BS

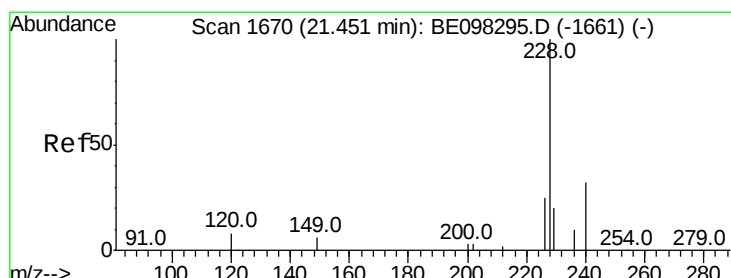
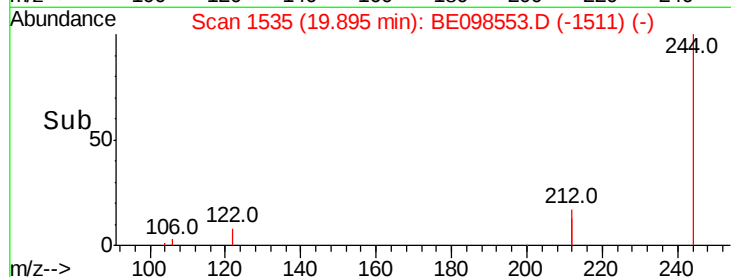
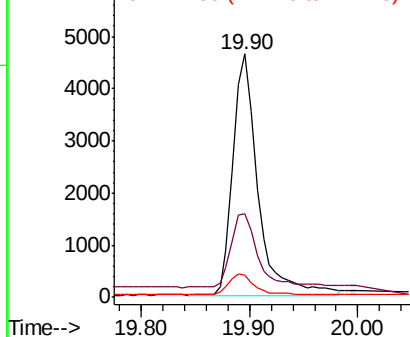
Tot Ion:	244	Resp:	7385
Ion Ratio	Lower	Upper	
244	100		
212	34.5	27.4	41.0
122	9.2	8.3	12.5

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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: 0.366 ng

RT: 21.44 min Scan# 1669

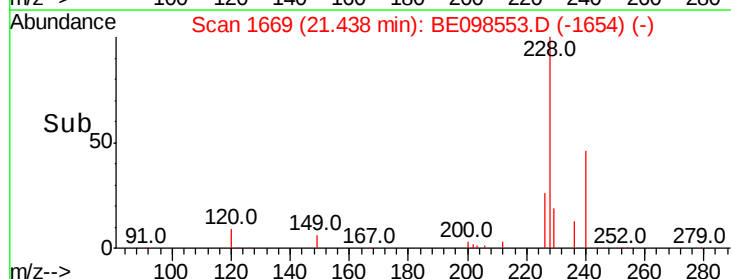
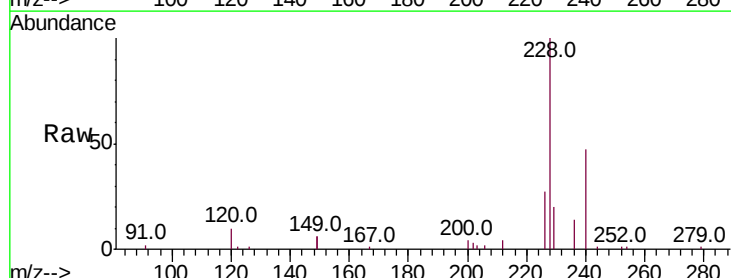
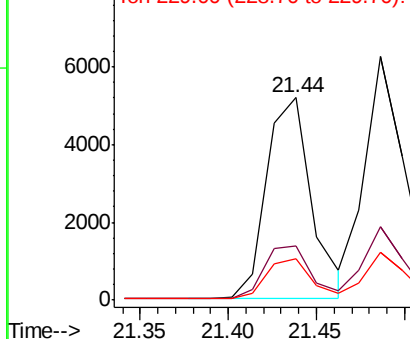
Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	228	Resp:	9155
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.8	32.8
229	20.2	16.3	24.5

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: 0.374 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

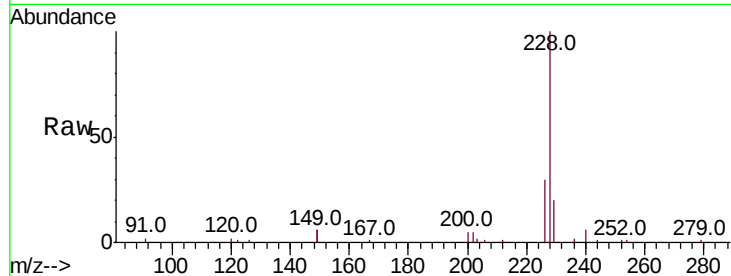
ClientSampleId :

PB115910BS

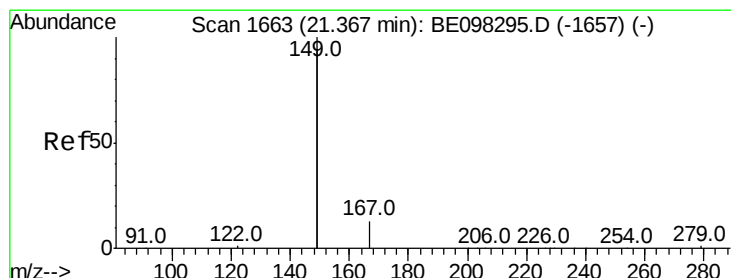
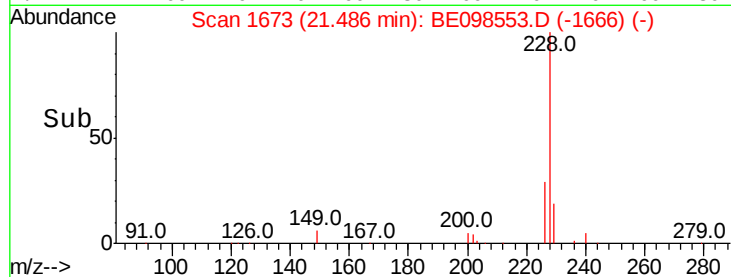
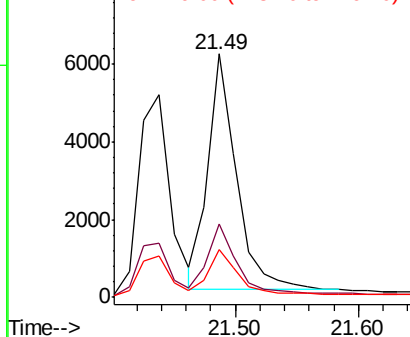
Tot Ion:	228	Resp:	9811
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.0
229	19.9	16.2	24.4

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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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.332 ng

RT: 21.35 min Scan# 1662

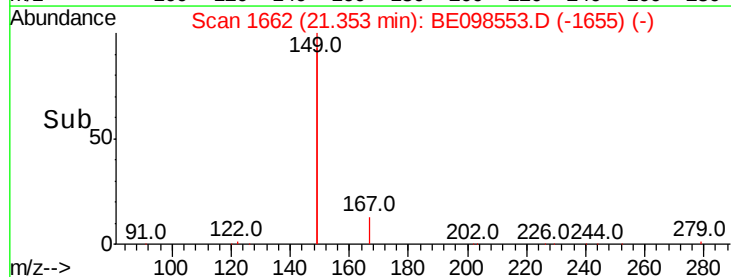
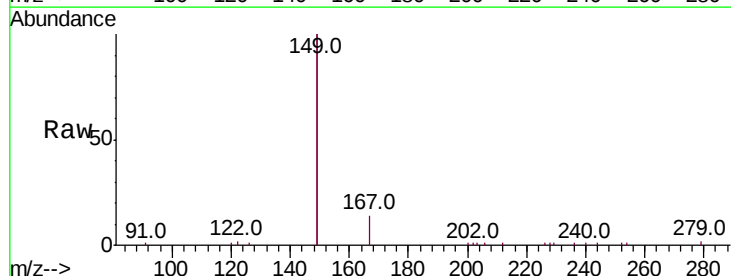
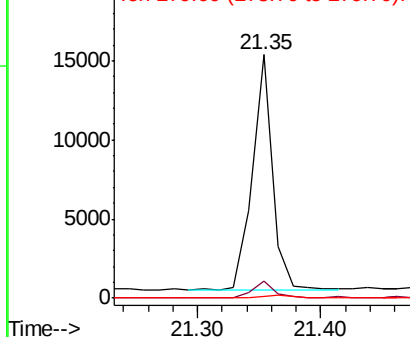
Delta R.T. -0.01 min

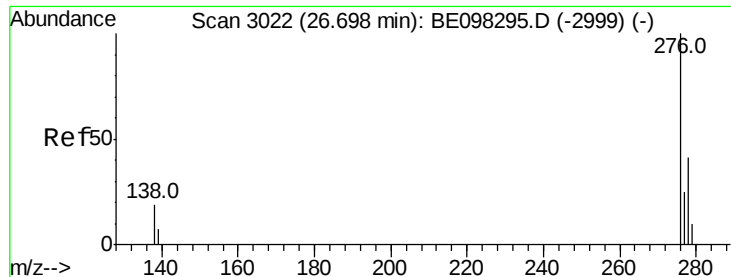
Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Tgt Ion:	149	Resp:	16890
Ion Ratio	Lower	Upper	
149	100		
167	6.8	5.7	8.5
279	1.1	1.0	1.4

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





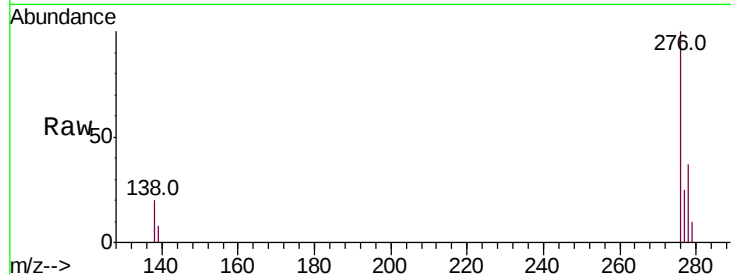
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 26.66 min Scan# 3012
Delta R.T. -0.04 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.3	24.5
277	24.1	20.2	30.4

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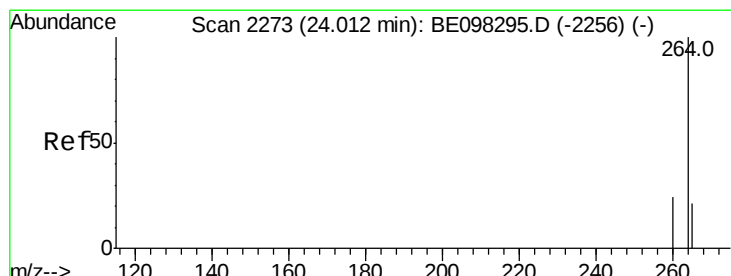
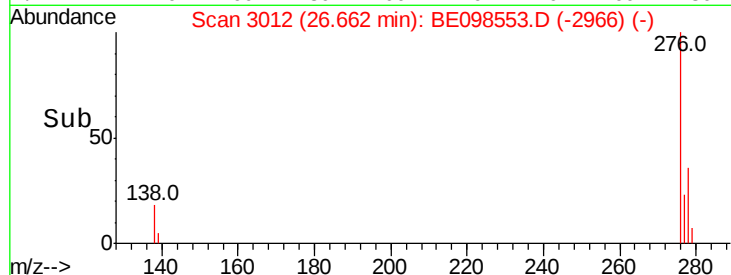
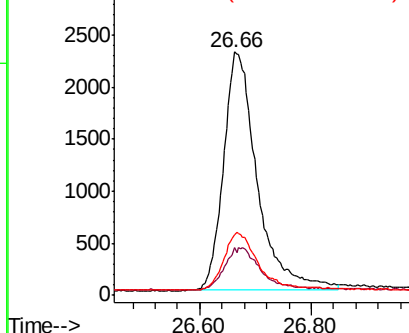


Abundance

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
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

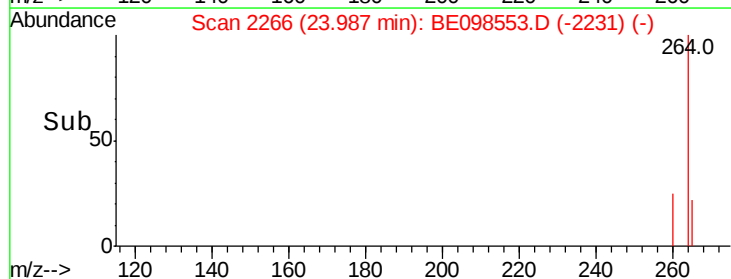
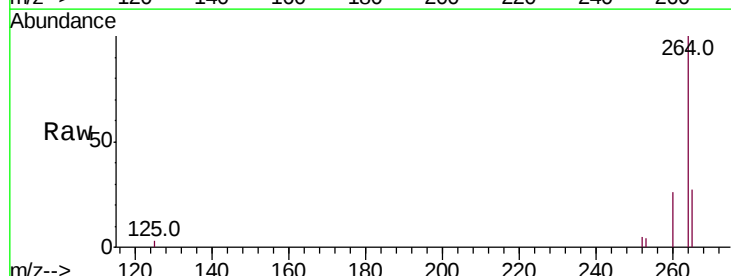
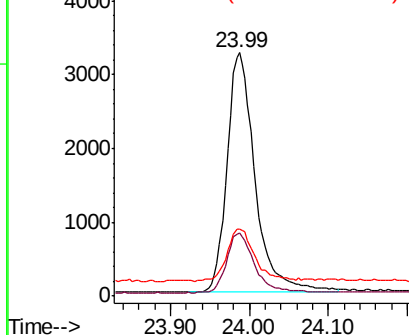
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.2
265	27.3	25.2	37.8

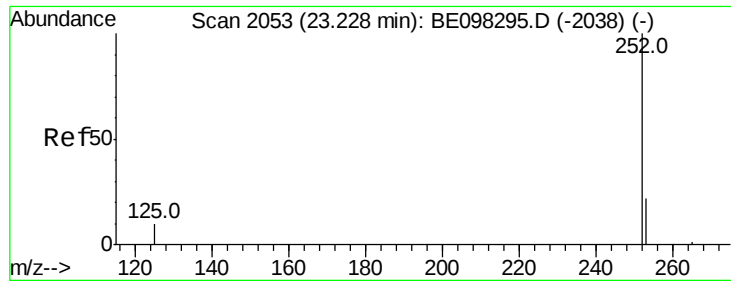
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





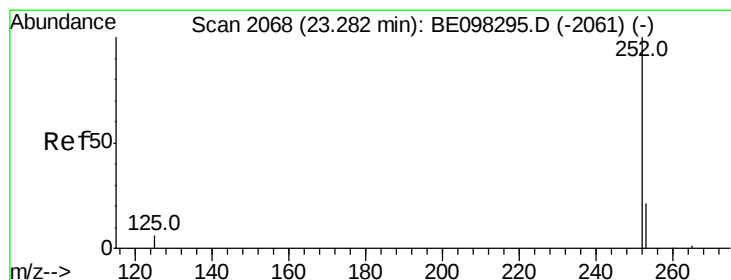
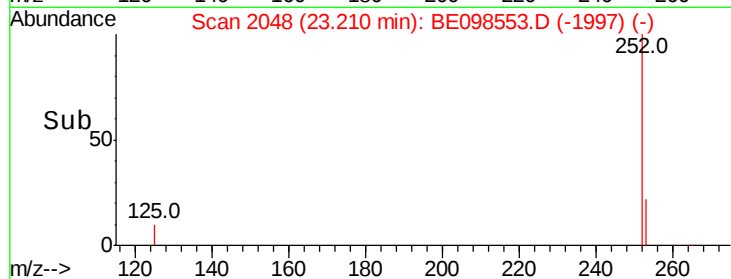
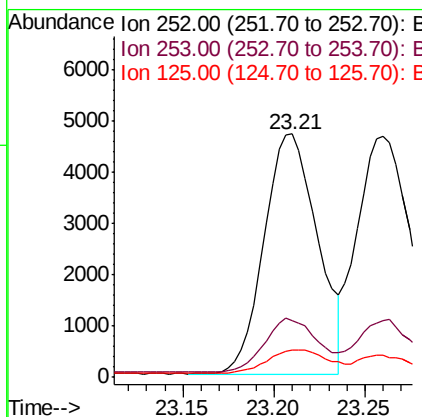
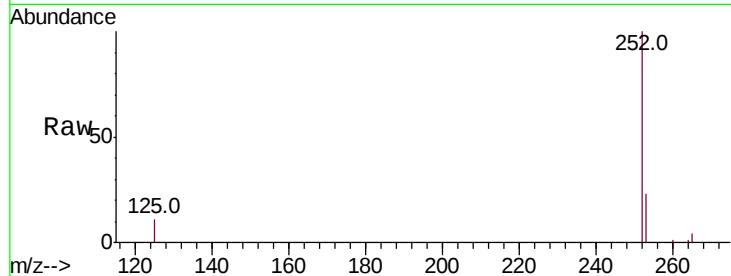
#35
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	11.5	9.6	14.4

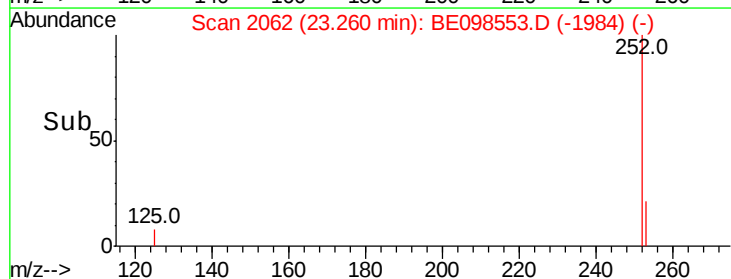
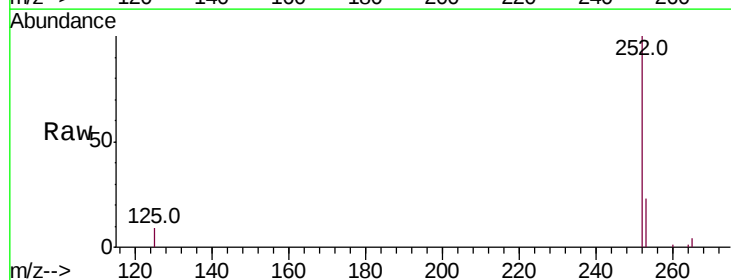
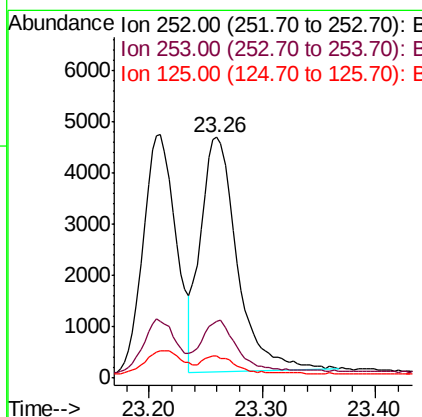
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#36
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	9.1	9.1	13.7





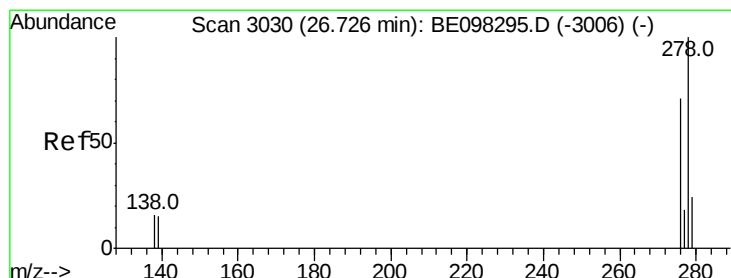
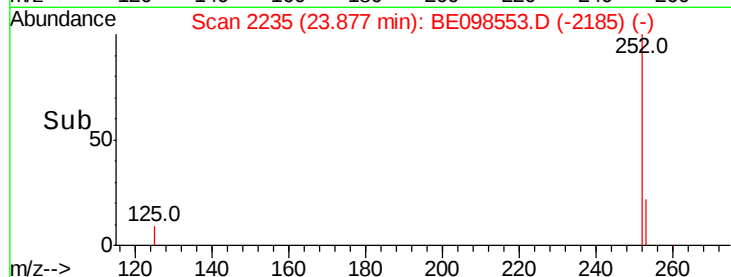
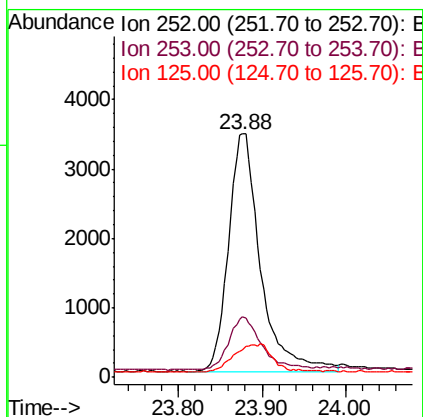
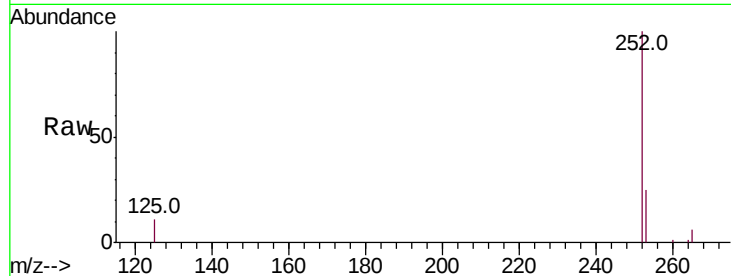
#37
Benzo(a)pyrene
Concen: 0.402 ng
RT: 23.88 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Instrument :
BNA_E
ClientSampleId :
PB115910BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.6	30.8
125	11.2	10.5	15.7

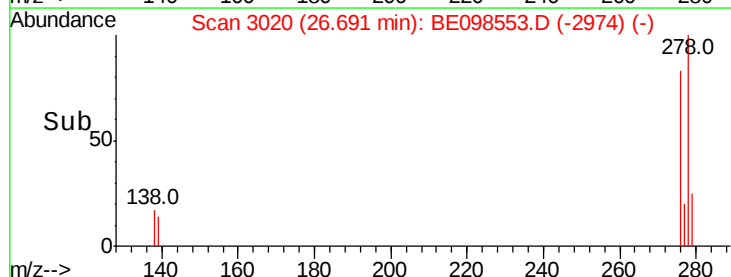
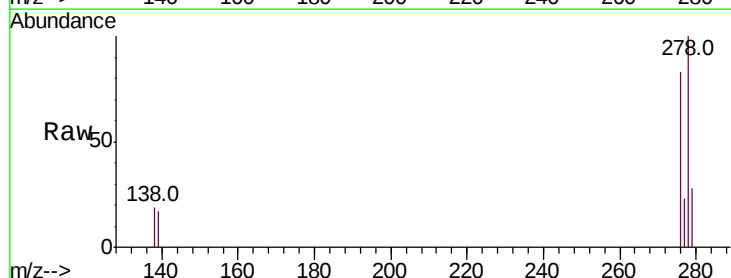
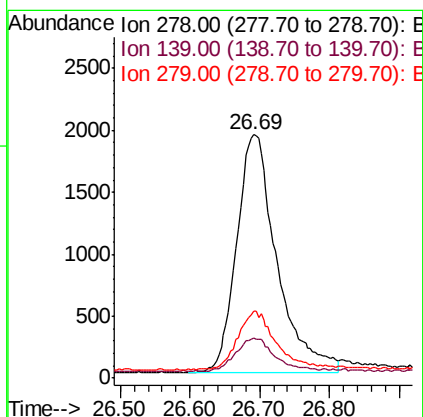
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#38
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.69 min Scan# 3020
Delta R.T. -0.04 min
Lab File: BE098553.D
Acq: 21 Dec 2018 15:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.5	21.7
279	27.7	21.8	32.8





#39

Benzo(a,h,i)perylene

Concen: 0.382 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.04 min

Lab File: BE098553.D

Acq: 21 Dec 2018 15:52

Instrument :

BNA_E

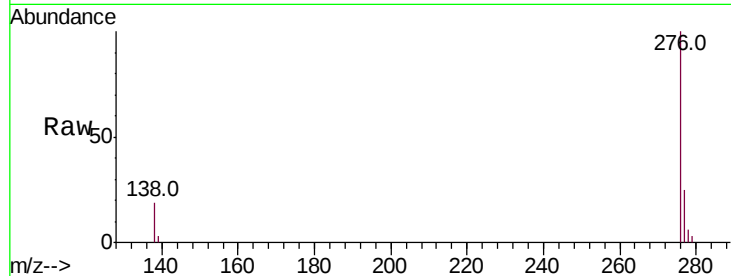
ClientSampleId :

PB115910BS

Tot Ion:	276	Resp:	8214
Ion Ratio	Lower	Upper	
276	100		
277	25.2	20.8	31.2
138	18.6	15.8	23.6

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

