

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
 Data File : BE098607.D
 Acq On : 2 Jan 2019 14:40
 Operator : SJ/JU
 Sample : PB116077BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116077BS

Manual Integrations
 APPROVED

Sohil
 1/3/2019 11:22:09 AM

Quant Time: Jan 02 16:08:23 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 02 10:30:27 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1080	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	4480	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	2549	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	5457	0.40	ng	0.01
27) Chrysene-d12	21.41	240	5741	0.40	ng	0.01
34) Perylene-d12	23.93	264	6781	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	791	0.31	ng	0.02
5) Phenol-d6	7.00	99	1049	0.29	ng	0.01
8) Nitrobenzene-d5	8.98	82	1008	0.25	ng	0.02
11) 2-Methylnaphthalene-d10	12.22	152	1551m	0.21	ng	0.02
14) 2,4,6-Tribromophenol	15.99	330	235	0.25	ng	0.02
15) 2-Fluorobiphenyl	13.10	172	2537	0.24	ng	0.02
25) Fluoranthene-d10	19.26	212	15650	0.22	ng	0.02
29) Terphenyl-d14	19.86	244	2924	0.21	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	687	0.368	ng	# 52
3) n-Nitrosodimethylamine	3.65	42	475	0.283	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	694	0.204	ng	97
9) Naphthalene	10.67	128	10490	0.233	ng	99
10) Hexachlorobutadiene	10.95	225	684	0.238	ng	94
12) 2-Methylnaphthalene	12.29	142	1700	0.232	ng	95
16) Acenaphthylene	14.20	152	2875	0.241	ng	99
17) Acenaphthene	14.54	154	1621	0.226	ng	99
18) Fluorene	15.52	166	2180	0.227	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	711	0.242	ng	91
21) Hexachlorobenzene	16.53	284	722	0.229	ng	92
22) Pentachlorophenol	16.90	266	160	0.325	ng	97
23) Phenanthrene	17.27	178	3075m	0.232	ng	
24) Anthracene	17.36	178	2967	0.251	ng	99
26) Fluoranthene	19.29	202	3652	0.208	ng	# 94
28) Pyrene	19.65	202	3730	0.207	ng	95
30) Benzo(a)anthracene	21.40	228	4085	0.250	ng	# 79
31) Chrysene	21.45	228	3984	0.233	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.32	149	14692	0.442	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.58	276	5696	0.334	ng	98
35) Benzo(b)fluoranthene	23.16	252	4626	0.249	ng	# 1
36) Benzo(k)fluoranthene	23.21	252	4535	0.210	ng	# 1
37) Benzo(a)pyrene	23.82	252	4581	0.239	ng	# 1
38) Dibenzo(a,h)anthracene	26.60	278	4657	0.258	ng	# 43
39) Benzo(g,h,i)perylene	27.40	276	4961	0.273	ng	# 72

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

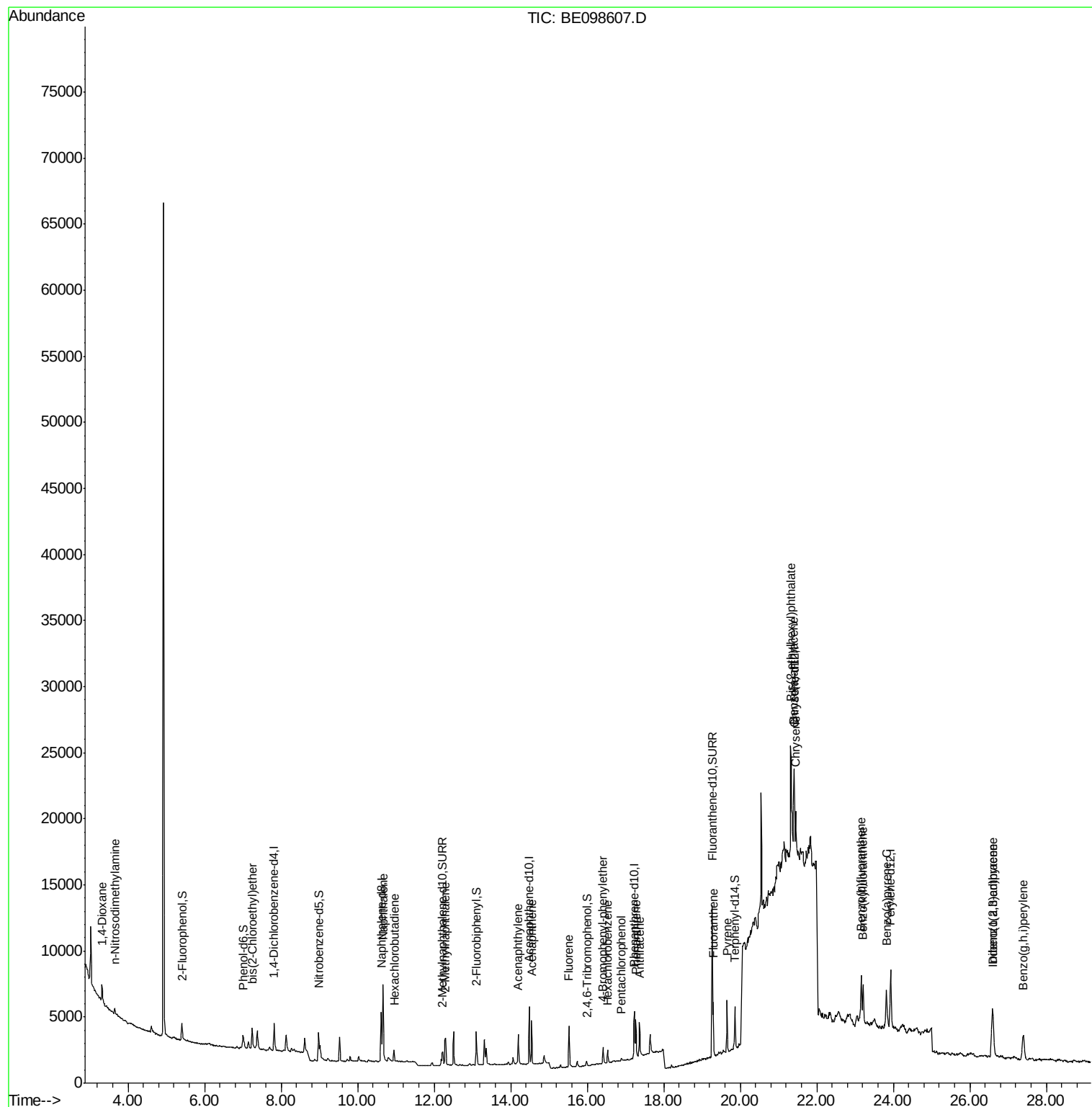
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\
Data File : BE098607.D
Acq On : 2 Jan 2019 14:40
Operator : SJ/JU
Sample : PB116077BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

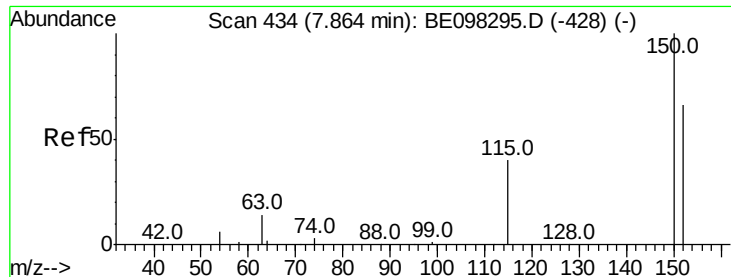
Instrument :
BNA_E
ClientSampled :
PB116077BS

Manual Integrations
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1/3/2019 11:22:09 AM

Quant Time: Jan 02 16:08:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
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#1

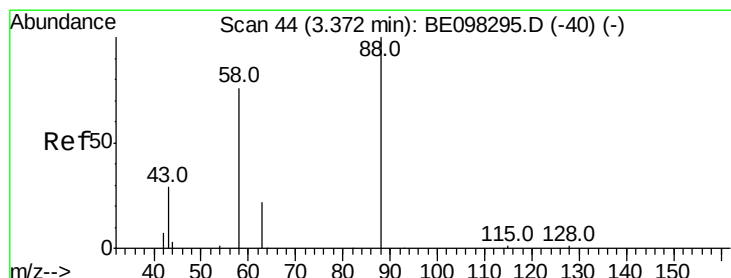
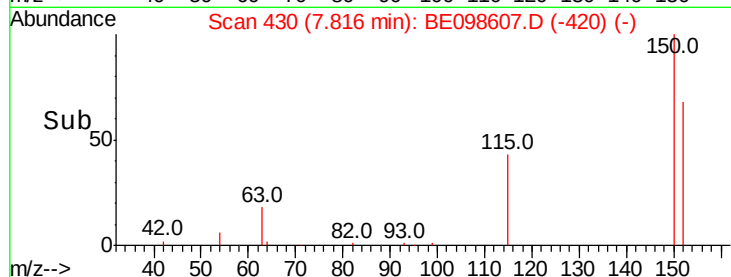
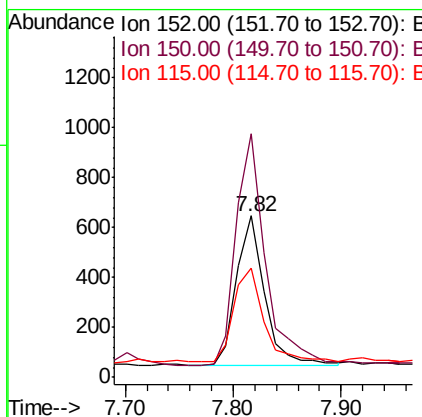
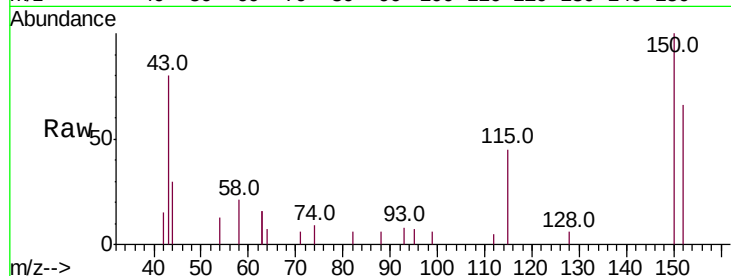
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.2	186.4
115	67.9	53.9	80.9

Manual Integrations
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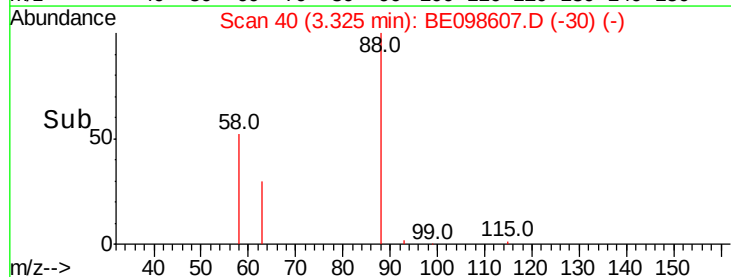
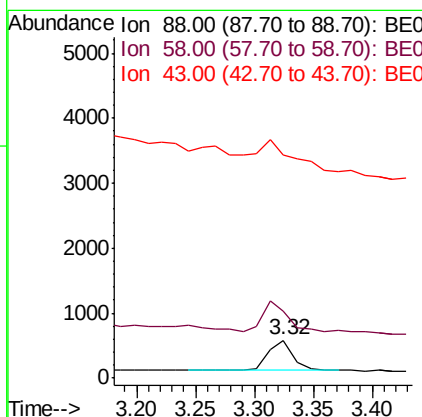
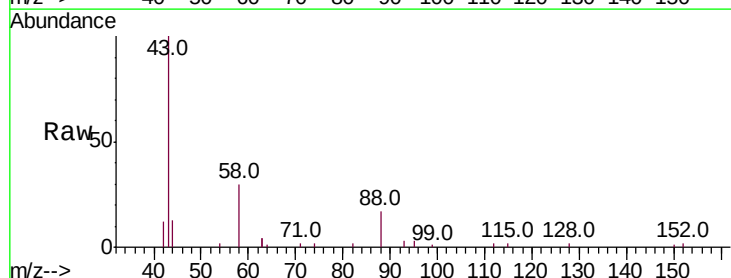
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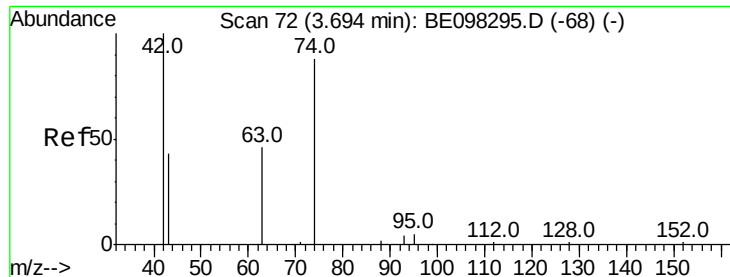


#2

1,4-Dioxane
Concen: 0.368 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.1	75.0	112.6
43	135.8	38.3	57.5#





#3

n-Nitrosodimethylamine

Concen: 0.283 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

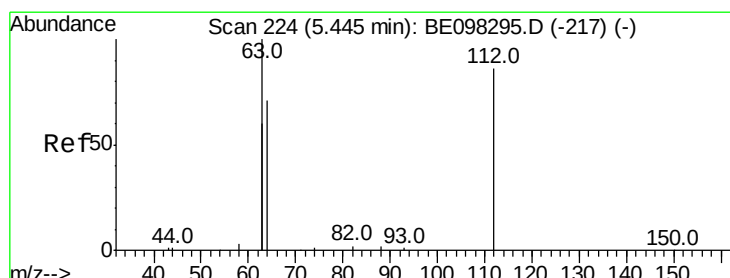
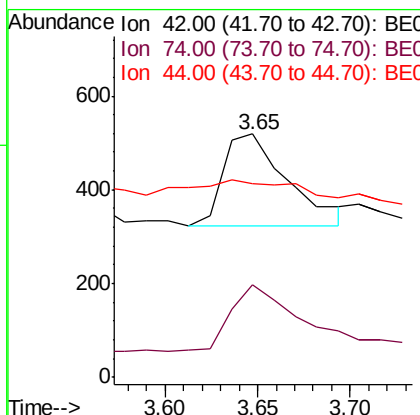
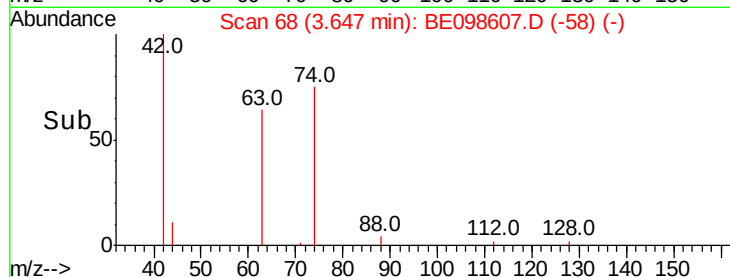
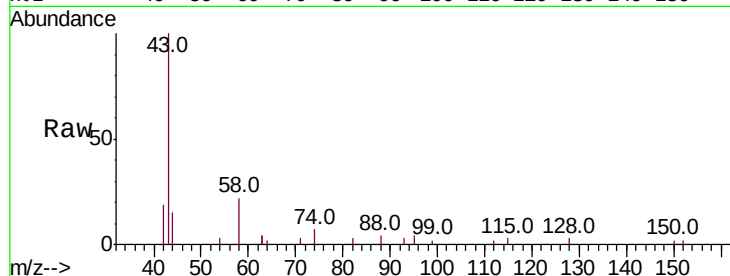
ClientSampleId :

PB116077BS

Tot Ion	42	Resp:	475
Ion	Ratio	Lower	Upper
42	100		
74	76.6	0.0	0.0#
44	29.5	0.0	0.0#

Manual Integrations
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#4

2-Fluorophenol

Concen: 0.313 ng

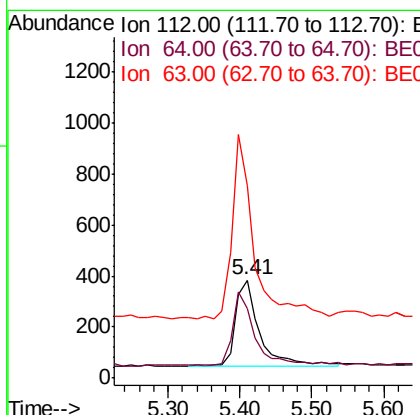
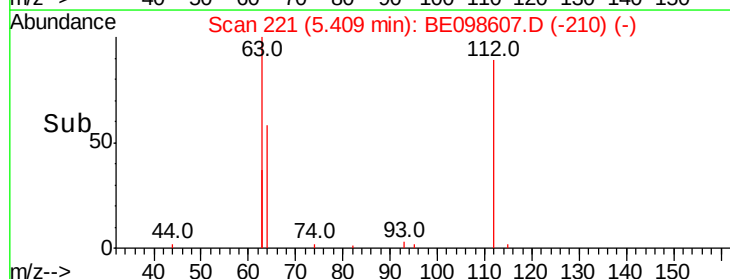
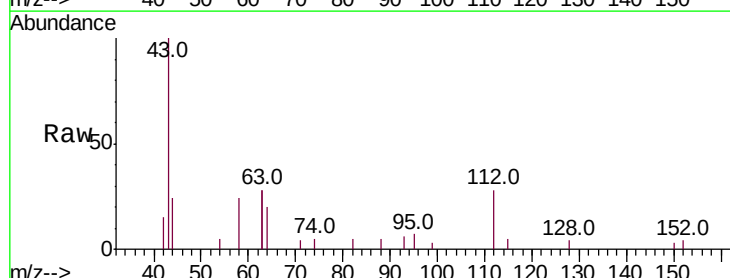
RT: 5.41 min Scan# 221

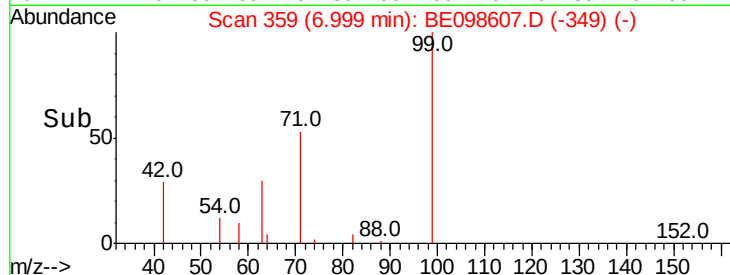
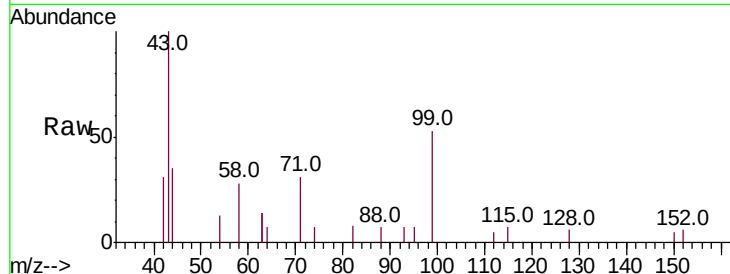
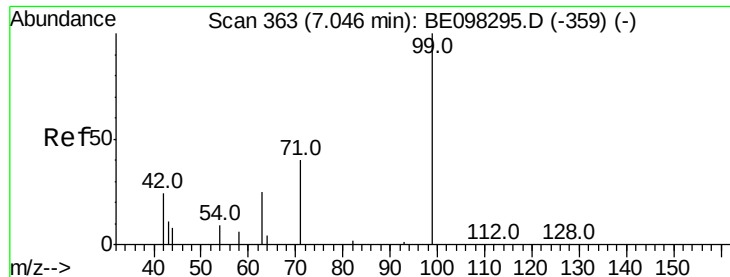
Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion	112	Resp:	791
Ion	Ratio	Lower	Upper
112	100		
64	76.0	59.8	89.8
63	194.4	133.7	200.5





#5

Phenol-d6

Concen: 0.293 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tot Ion:	99	Resp:	1049
Ion	Ratio	Lower	Upper
99	100		
42	36.0	26.3	39.5
71	50.6	33.6	50.4#

Instrument :

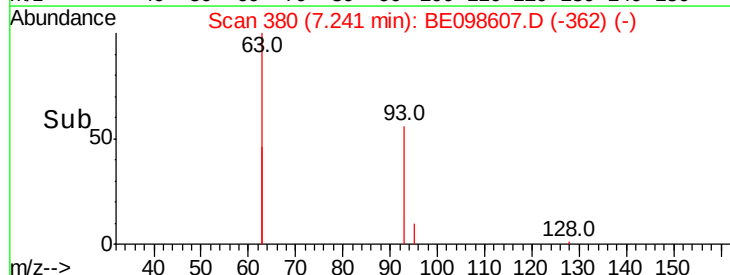
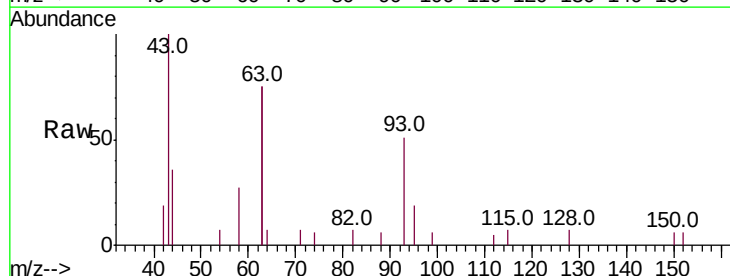
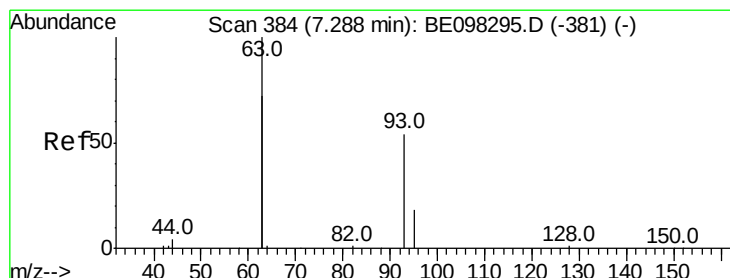
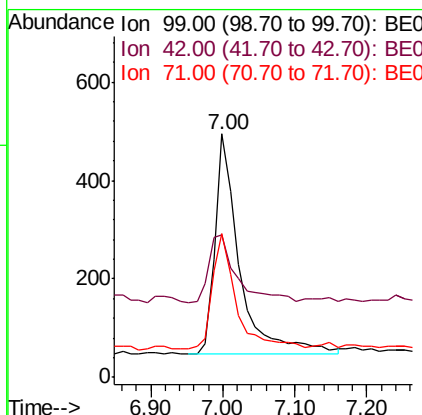
BNA_E

ClientSampled :

PB116077BS

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.204 ng

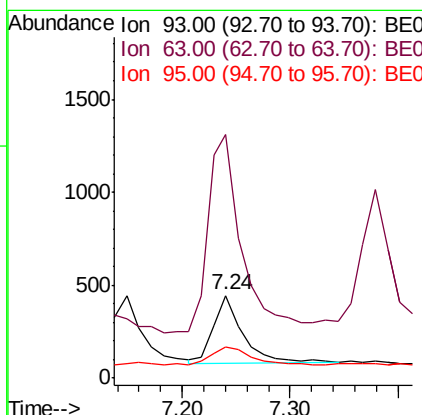
RT: 7.24 min Scan# 380

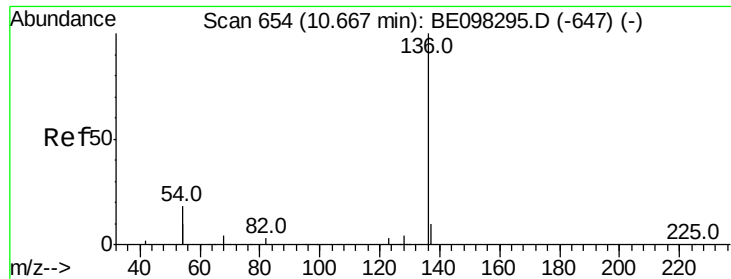
Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	93	Resp:	694
Ion	Ratio	Lower	Upper
93	100		
63	336.2	264.4	396.6
95	36.9	26.6	40.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

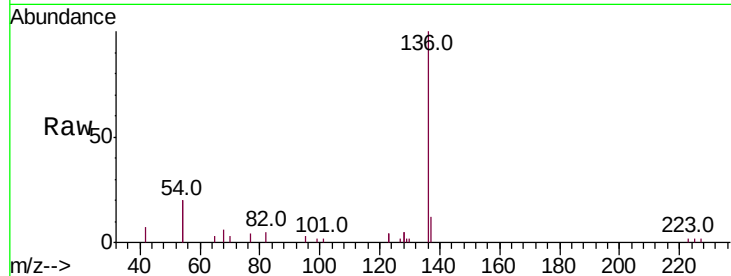
ClientSampleId :

PB116077BS

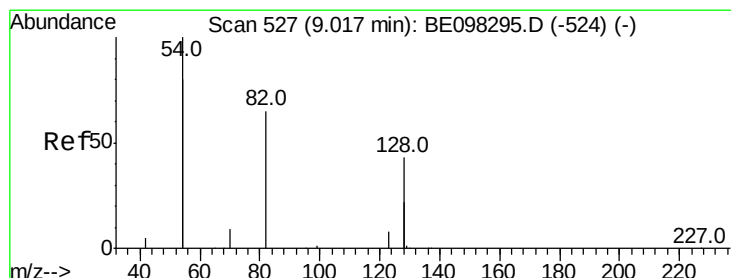
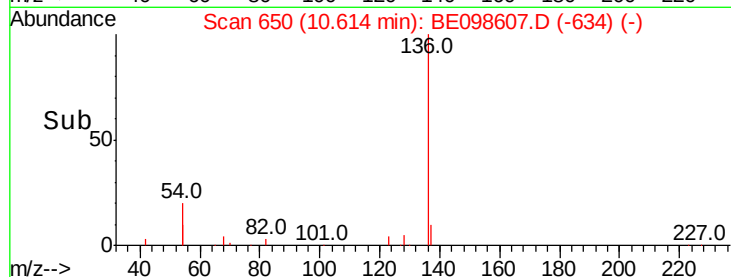
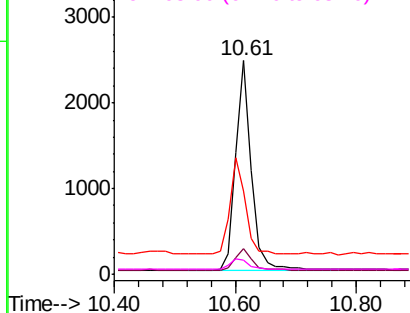
Tot Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	39.2	28.4	42.6
68	6.5	5.4	8.0

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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: 0.247 ng

RT: 8.98 min Scan# 524

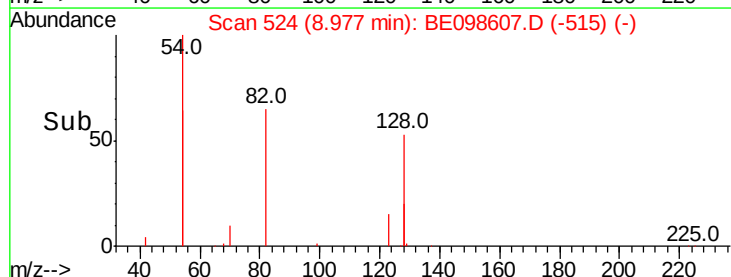
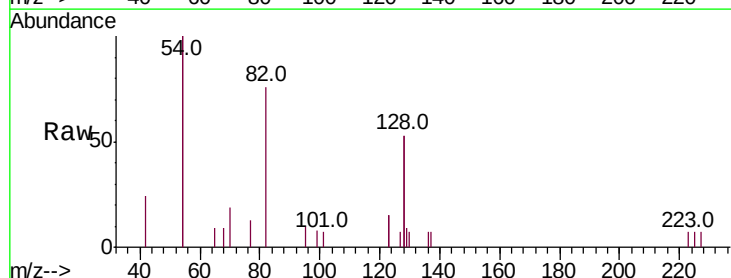
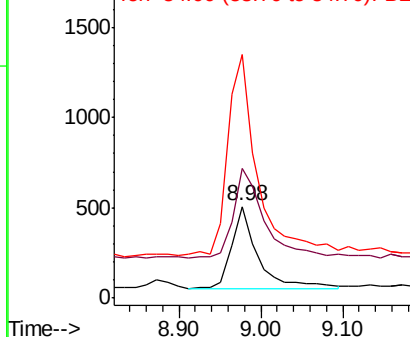
Delta R.T. 0.02 min

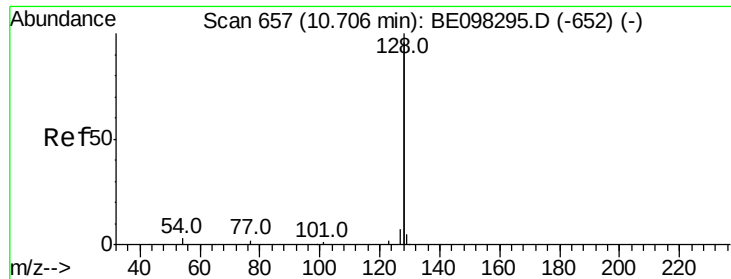
Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
82	100		
128	141.1	102.4	153.6
54	264.8	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: 0.233 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

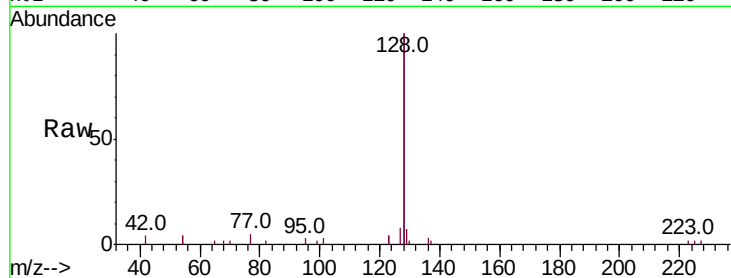
ClientSampleId :

PB116077BS

Tot Ion:	128	Resp:	10490
Ion Ratio	Lower	Upper	
128	100		
129	3.5	2.5	3.7
127	4.0	2.7	4.1

Manual Integrations
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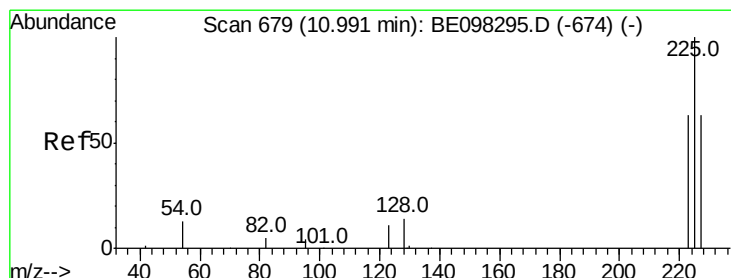
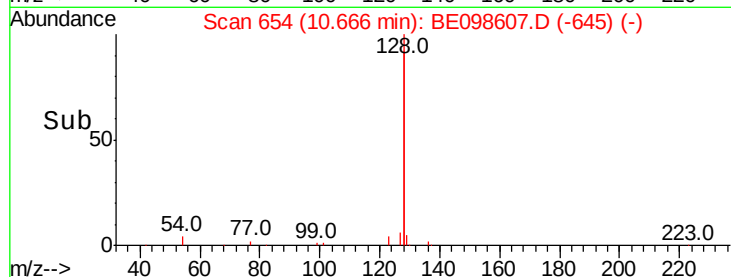
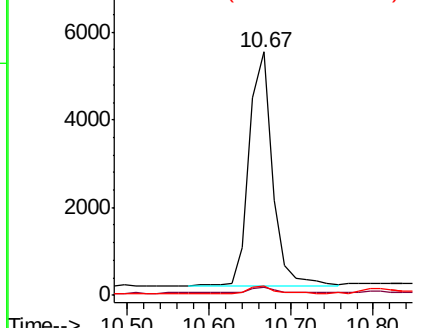
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.238 ng

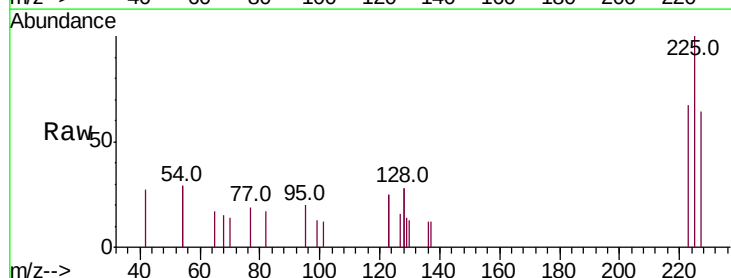
RT: 10.95 min Scan# 676

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

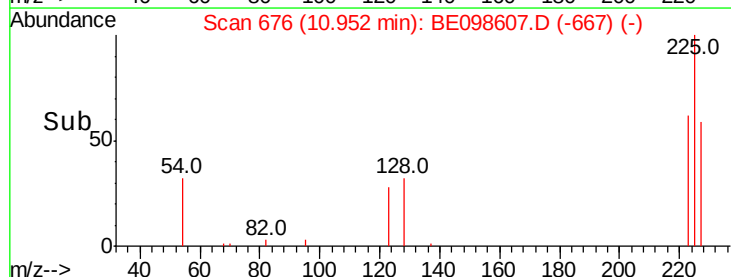
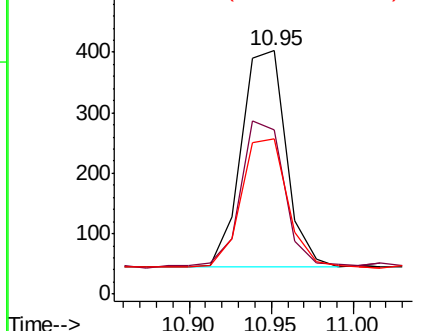
Tgt Ion:	225	Resp:	684
Ion Ratio	Lower	Upper	
225	100		
223	67.0	49.4	74.0
227	61.0	52.0	78.0

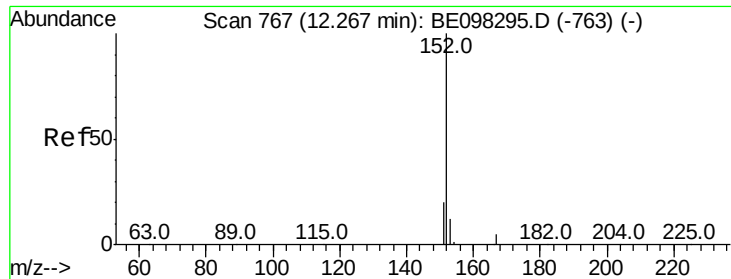


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





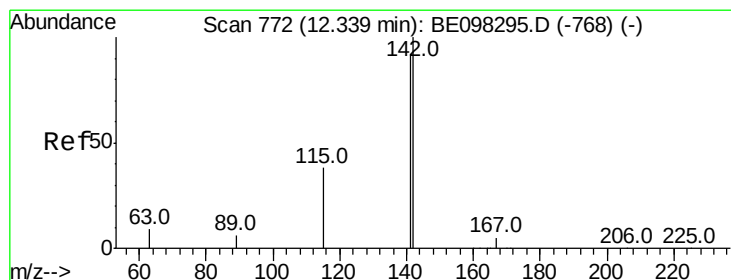
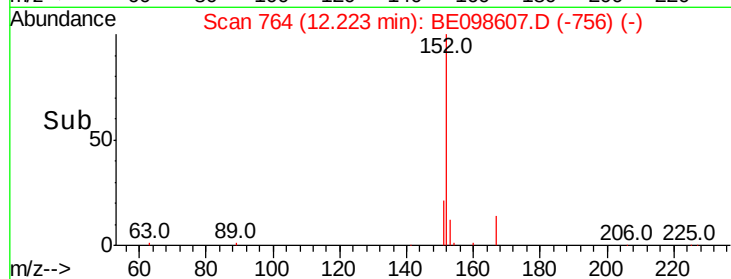
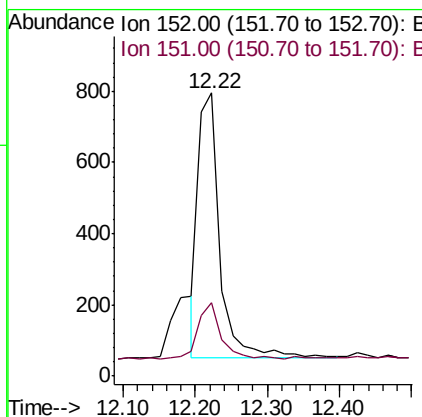
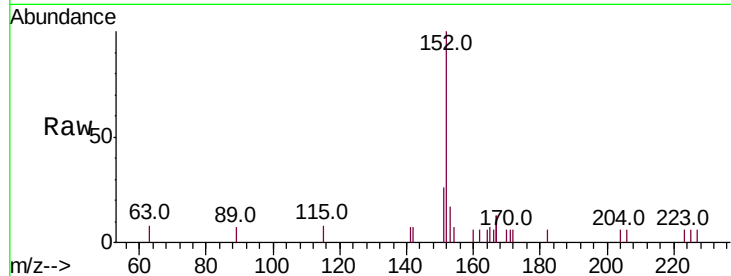
#11
 2-Methylnaphthalene-d10
 Concen: 0.213 ng m
 RT: 12.22 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Instrument :
 BNA_E
 ClientSampleId :
 PB116077BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.2	24.4

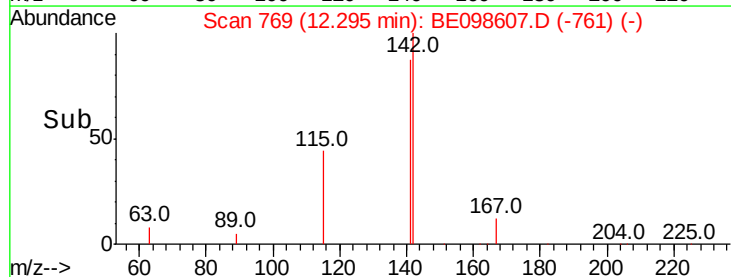
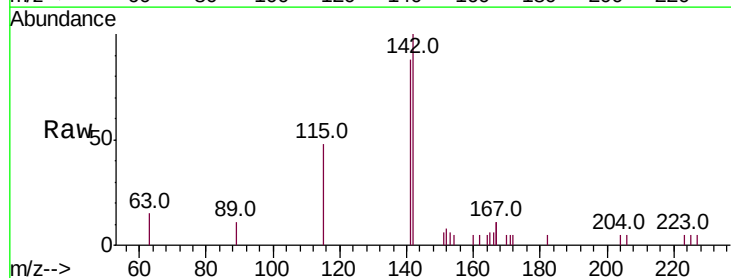
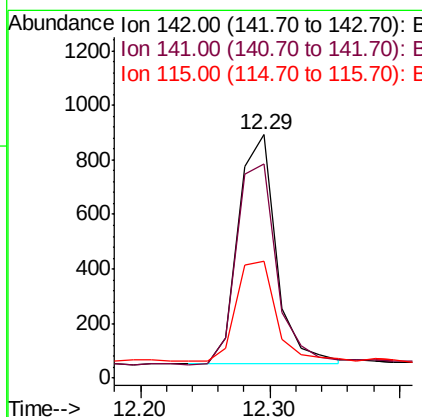
Manual Integrations
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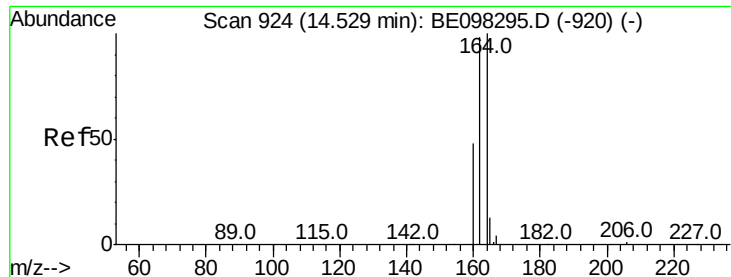
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#12
 2-Methylnaphthalene
 Concen: 0.232 ng
 RT: 12.29 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: BE098607.D
 Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.0	106.6
115	47.9	32.2	48.2





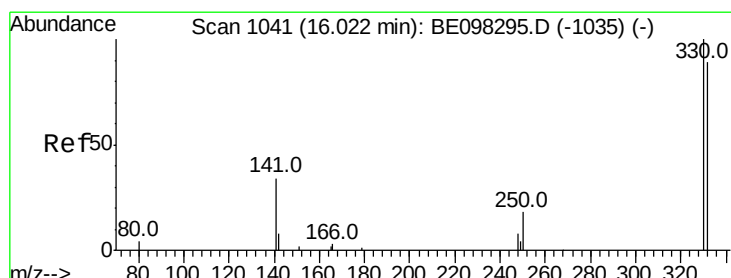
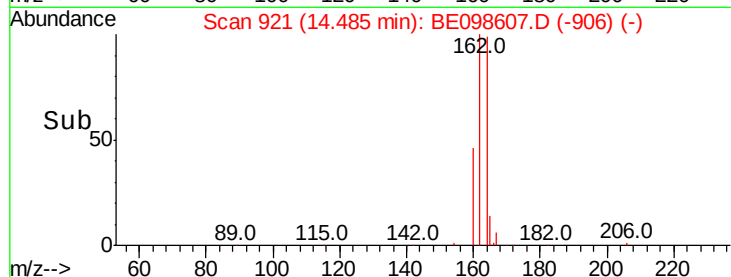
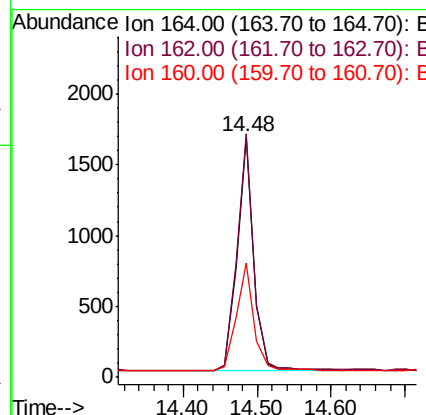
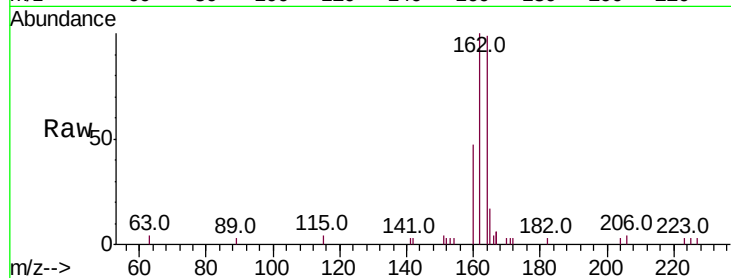
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	77.6	116.4
160	47.8	36.0	54.0

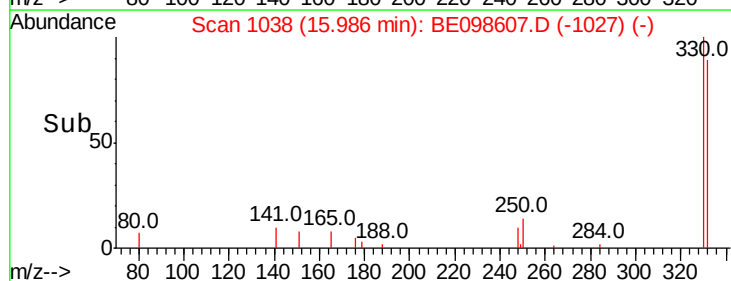
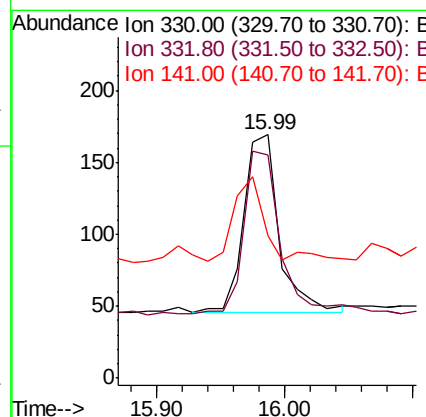
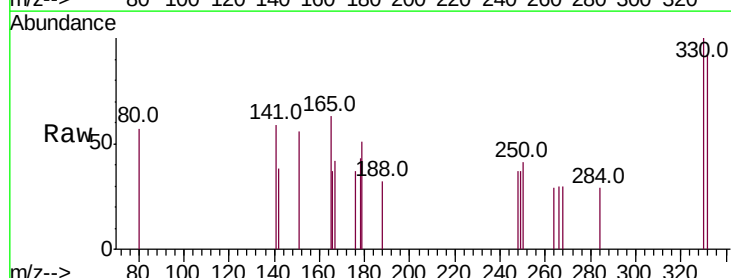
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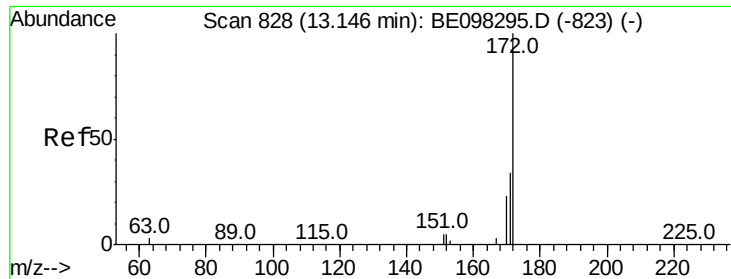
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#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 15.99 min Scan# 1038
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.2	114.4
141	44.7	39.0	58.4





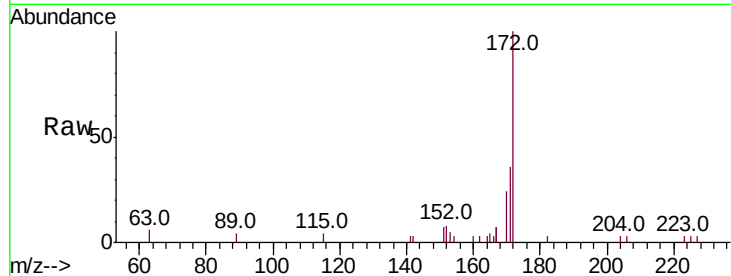
#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	27.5	41.3
170	24.0	19.6	29.4

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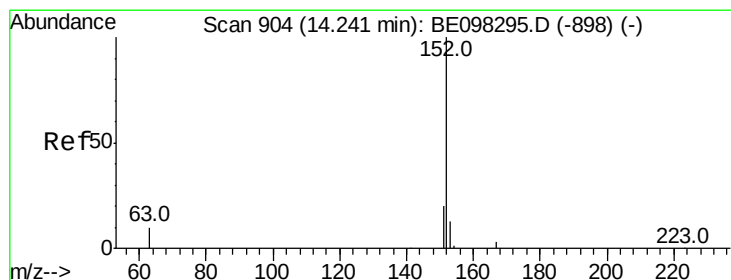
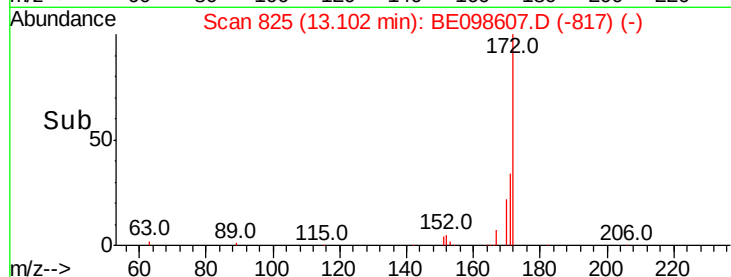
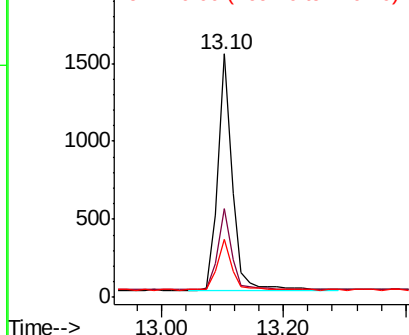


Abundance

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: 0.241 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

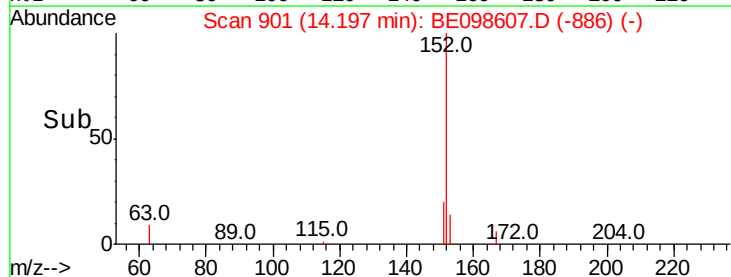
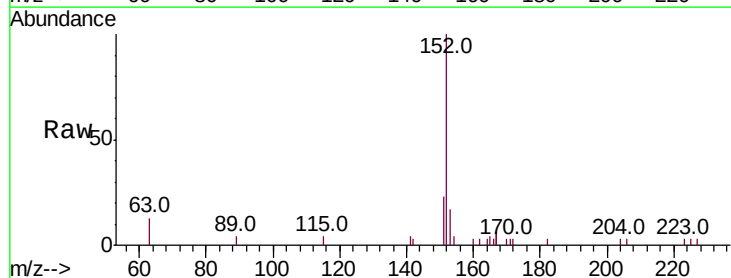
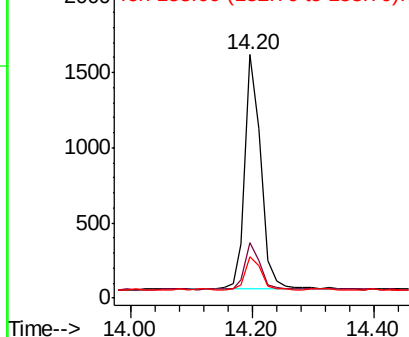
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.5	23.3
153	13.3	10.6	16.0

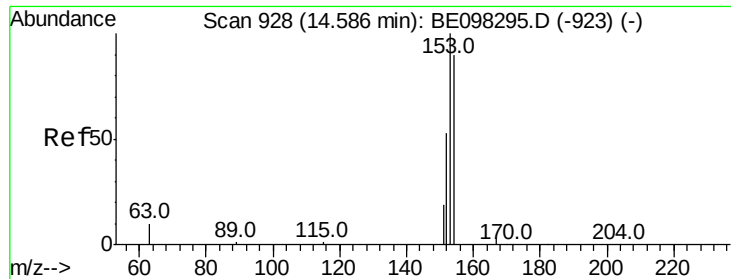
Abundance

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





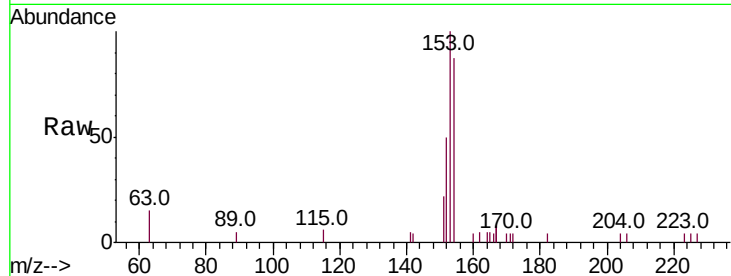
#17
Acenaphthene
Concen: 0.226 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.8	137.6
152	54.2	45.5	68.3

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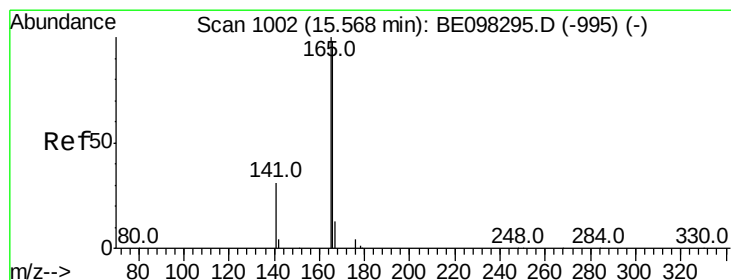
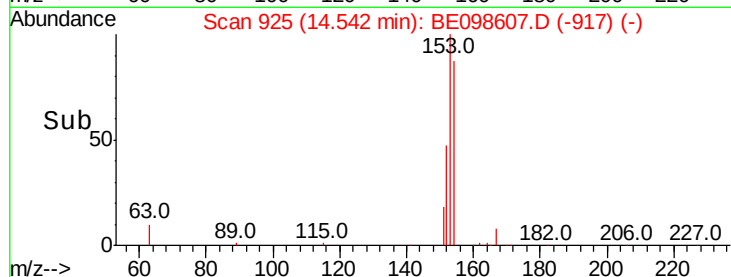
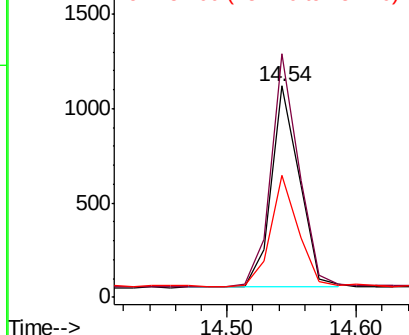


Abundance

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: 0.227 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

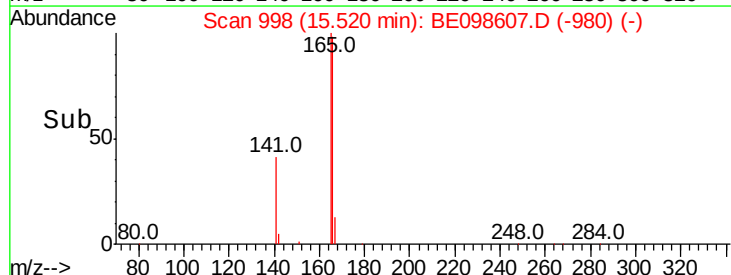
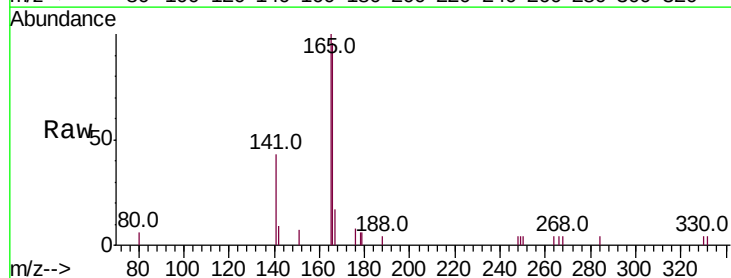
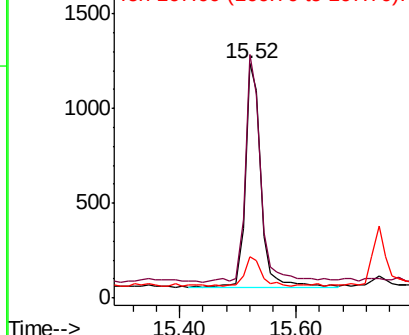
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.3	118.9
167	14.3	11.3	16.9

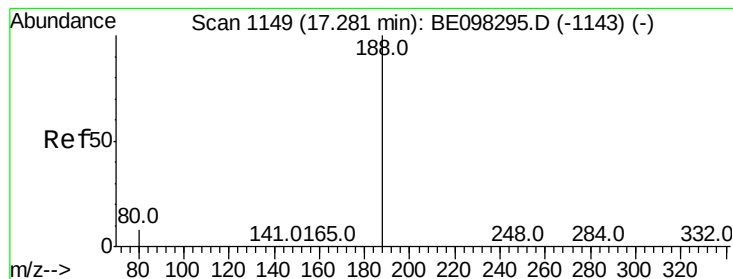
Abundance

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: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

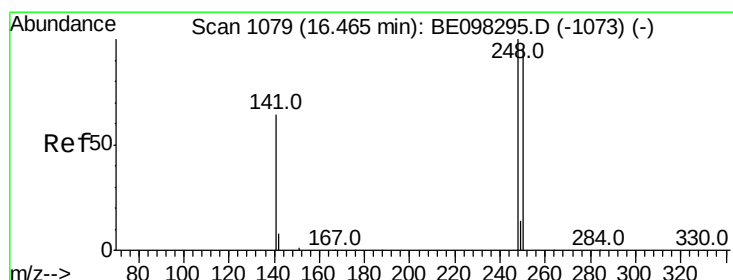
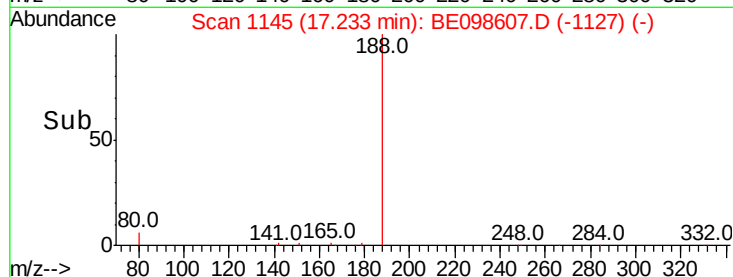
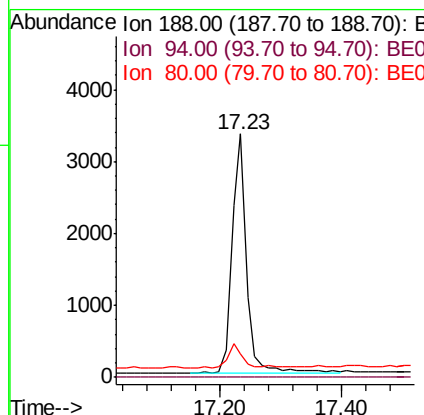
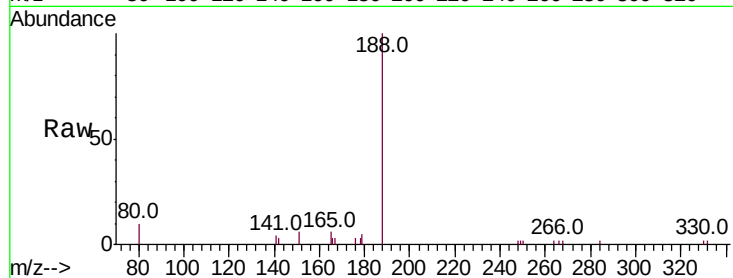
ClientSampleId :

PB116077BS

Tot Ion:	188	Resp:	5457
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	7.2	10.8

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#20

4-Bromophenyl-phenylether

Concen: 0.242 ng

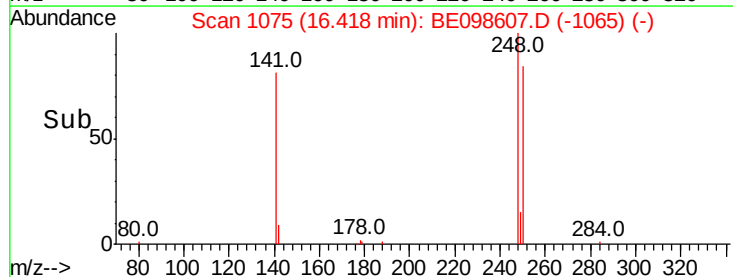
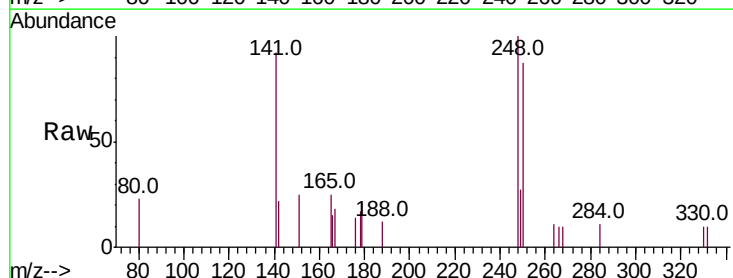
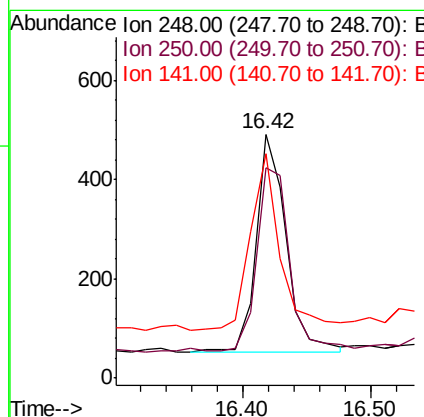
RT: 16.42 min Scan# 1075

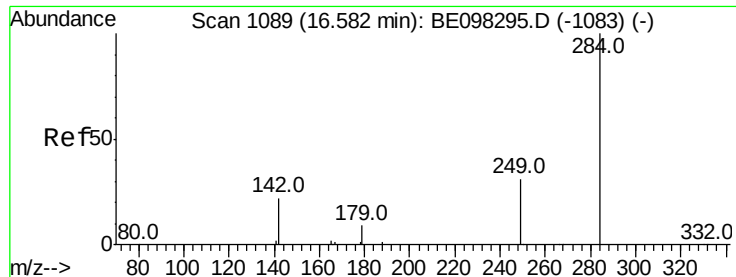
Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	248	Resp:	711
Ion Ratio	Lower	Upper	
248	100		
250	86.6	71.0	106.6
141	92.3	62.1	93.1





#21

Hexachlorobenzene

Concen: 0.229 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

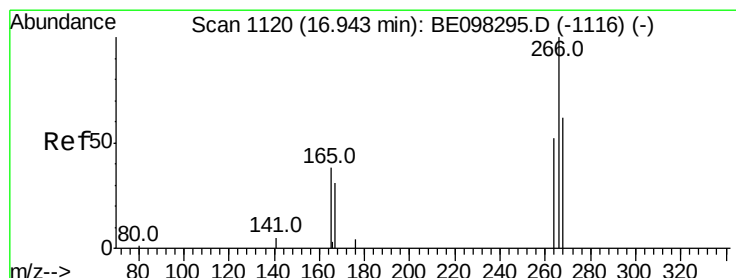
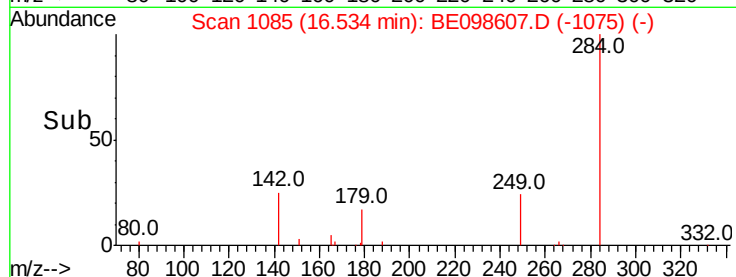
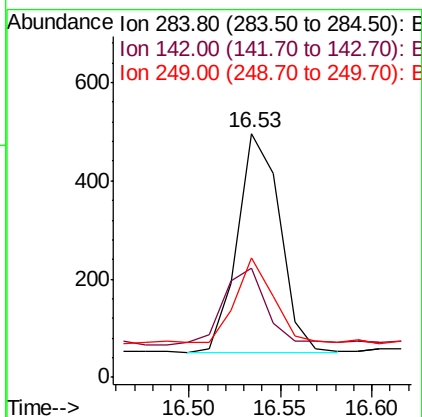
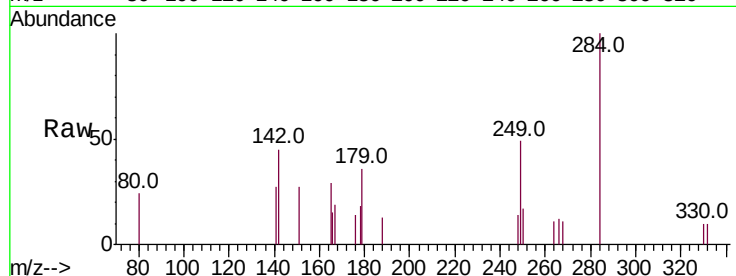
ClientSampleId :

PB116077BS

Tot Ion:	284	Resp:	722
Ion Ratio	Lower	Upper	
284	100		
142	37.5	26.3	39.5
249	36.6	26.0	39.0

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#22

Pentachlorophenol

Concen: 0.325 ng

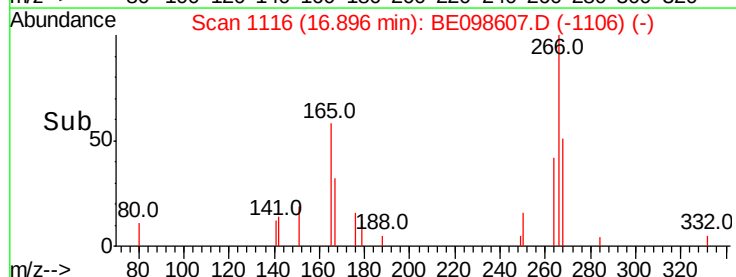
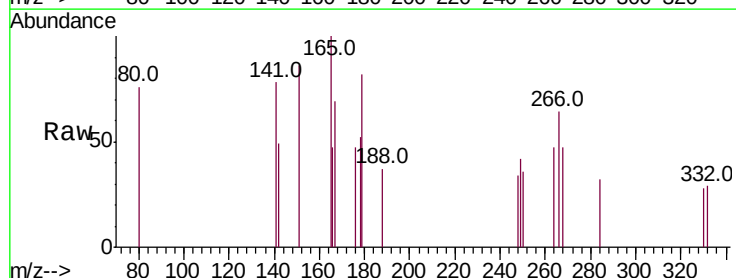
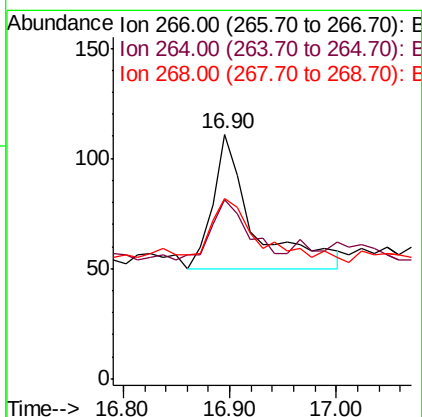
RT: 16.90 min Scan# 1116

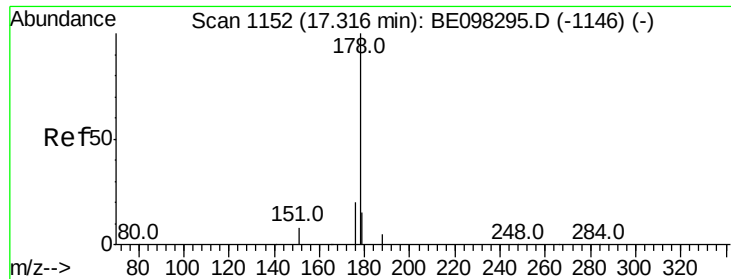
Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	266	Resp:	160
Ion Ratio	Lower	Upper	
266	100		
264	73.0	59.0	88.4
268	73.9	55.1	82.7





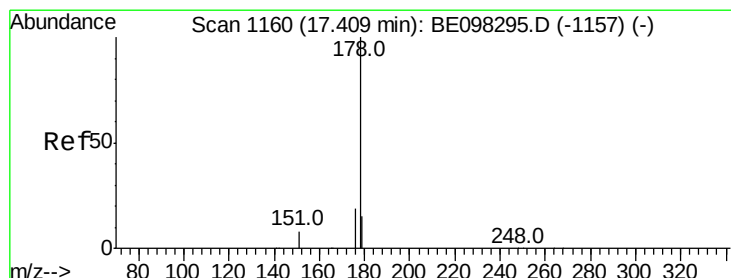
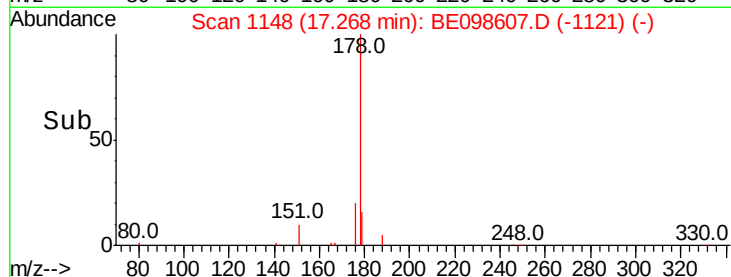
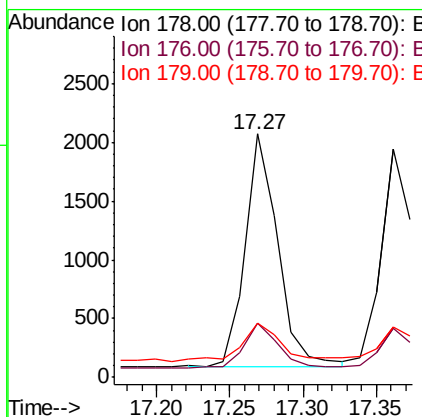
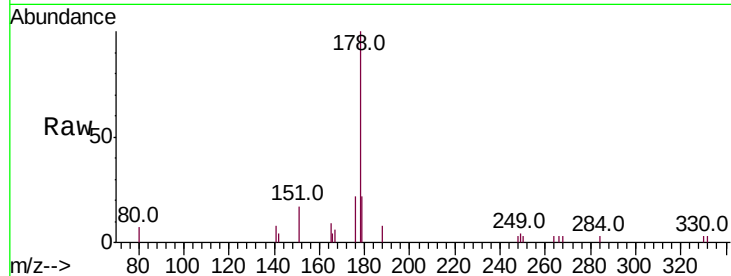
#23
Phenanthrene
Concen: 0.232 ng/ml
RT: 17.27 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	14.6	12.3	18.5

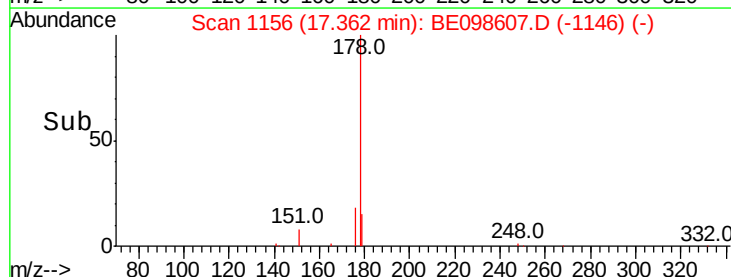
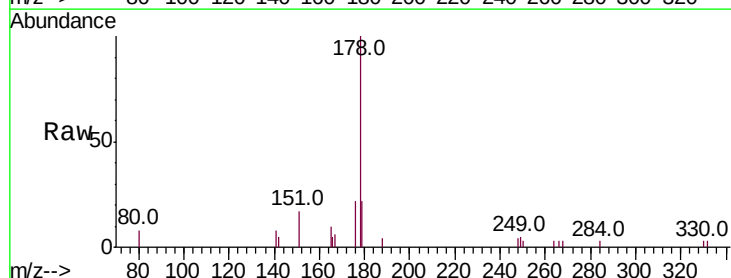
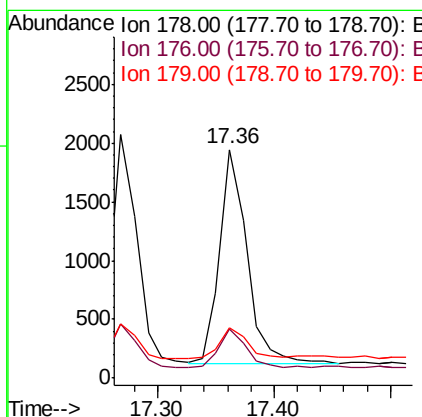
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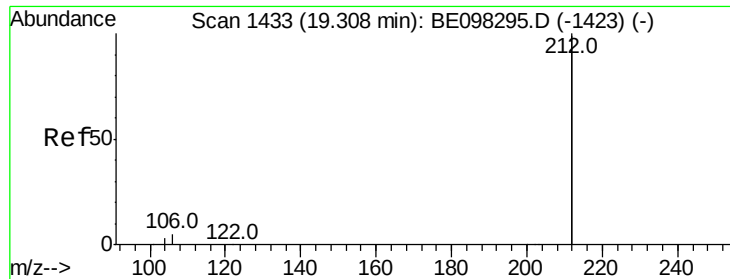
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#24
Anthracene
Concen: 0.251 ng/ml
RT: 17.36 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.0	22.4
179	15.1	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.224 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

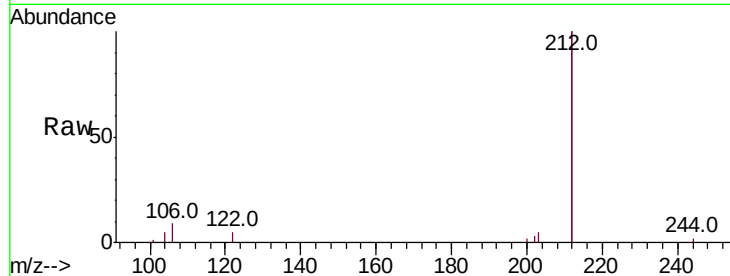
ClientSampleId :

PB116077BS

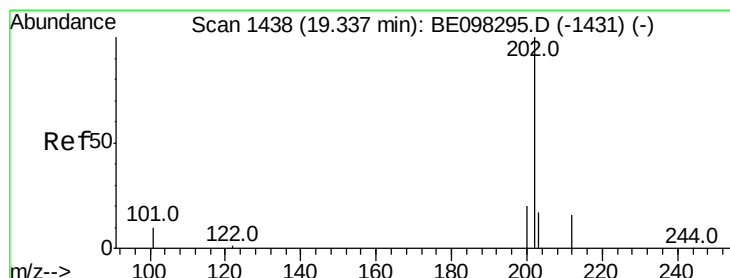
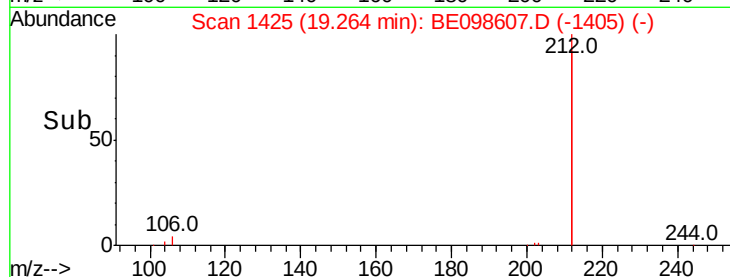
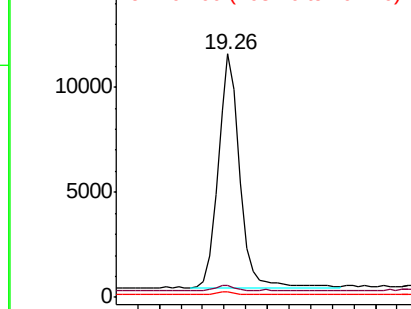
Tot Ion:	212	Resp:	15650
Ion Ratio	Lower	Upper	
212	100		
106	2.3	2.2	3.2
104	1.4	1.3	1.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.208 ng

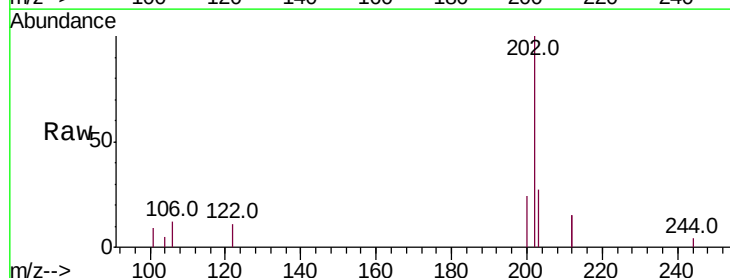
RT: 19.29 min Scan# 1430

Delta R.T. 0.02 min

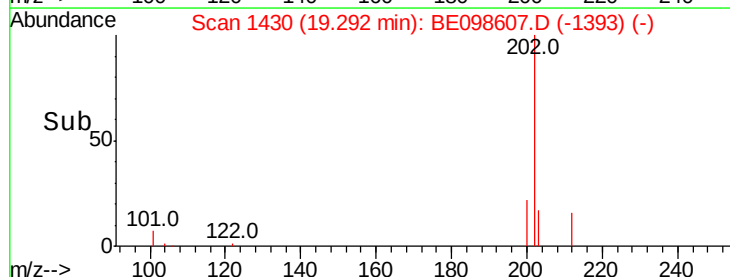
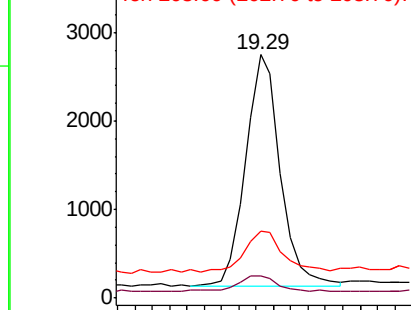
Lab File: BE098607.D

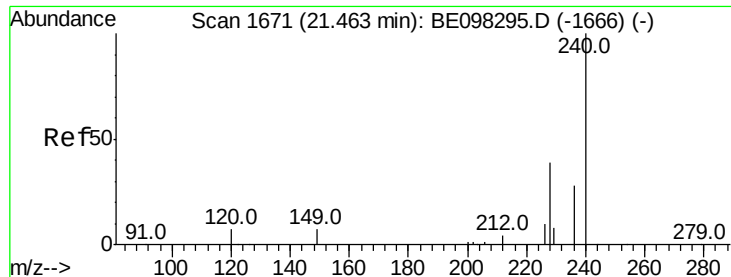
Acq: 2 Jan 2019 14:40

Tgt Ion:	202	Resp:	3652
Ion Ratio	Lower	Upper	
202	100		
101	7.7	8.0	12.0#
203	19.5	13.8	20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

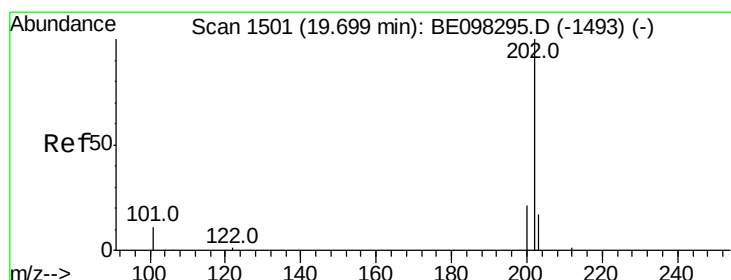
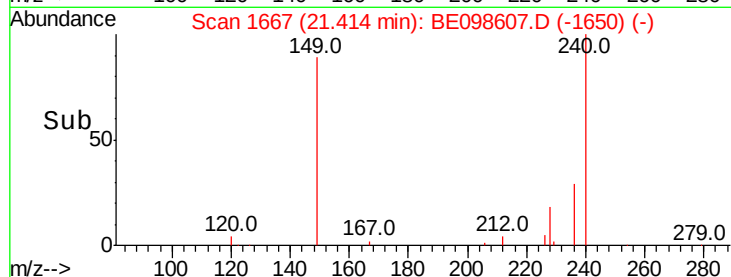
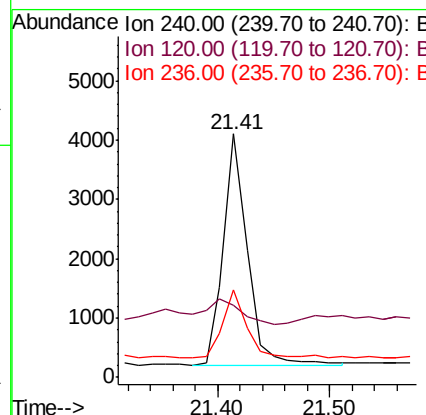
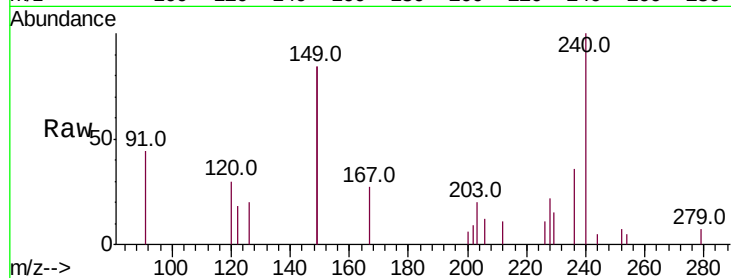
ClientSampled :

PB116077BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	29.6	9.5	14.3#
236	35.9	22.7	34.1#

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#28

Pyrene

Concen: 0.207 ng

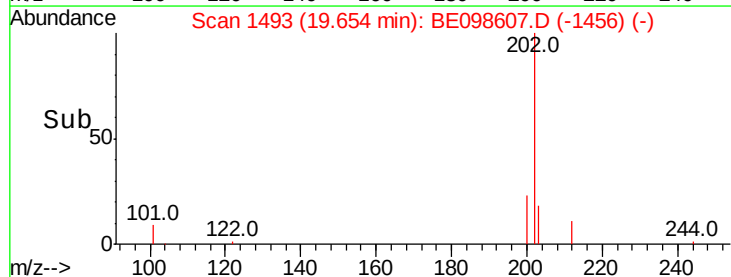
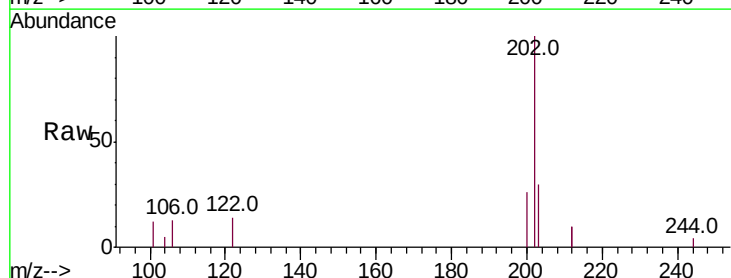
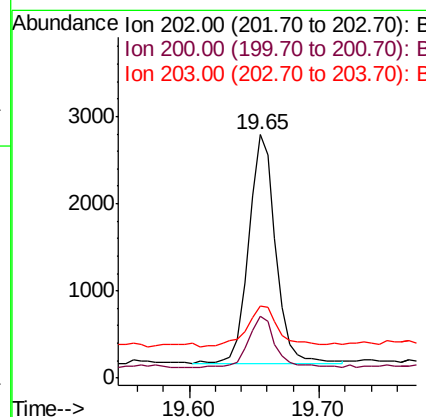
RT: 19.65 min Scan# 1493

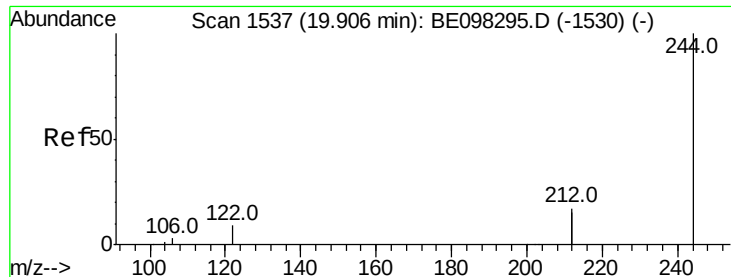
Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.7	25.1
203	20.3	14.1	21.1





#29

Terphenyl-d14

Concen: 0.210 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

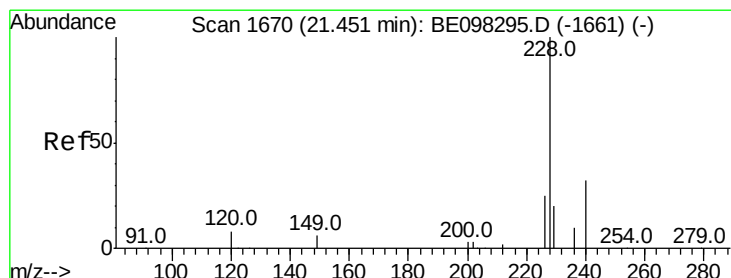
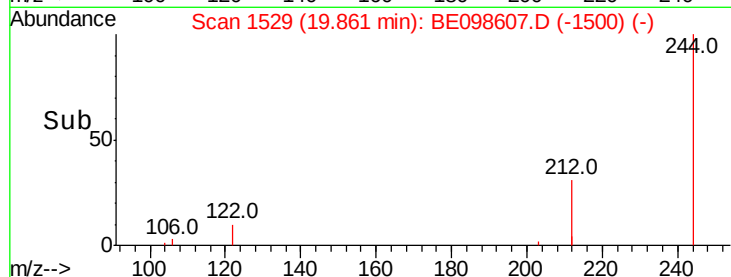
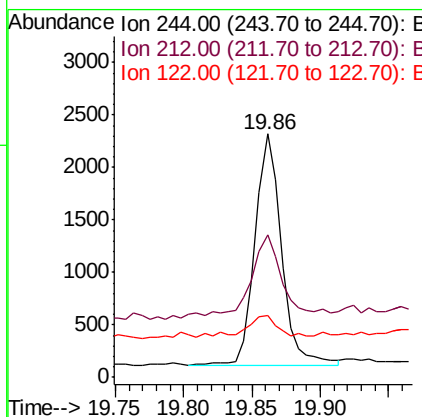
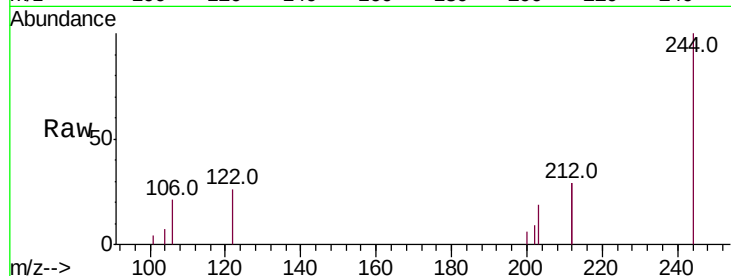
ClientSampleId :

PB116077BS

Tot Ion:	244	Resp:	2924
Ion Ratio	Lower	Upper	
244	100		
212	58.4	27.4	41.0#
122	25.5	8.3	12.5#

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#30

Benzo(a)anthracene

Concen: 0.250 ng

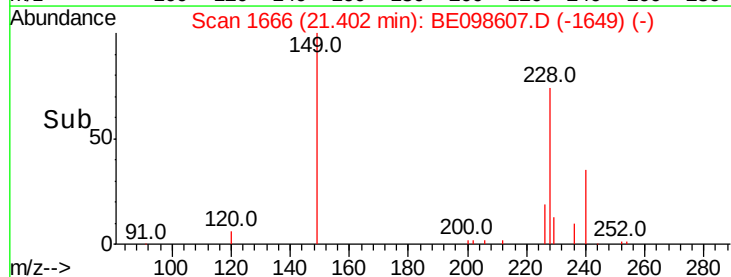
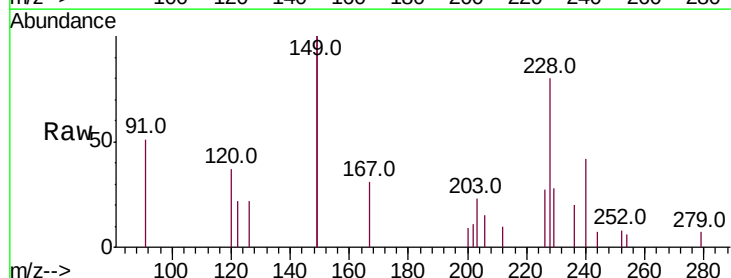
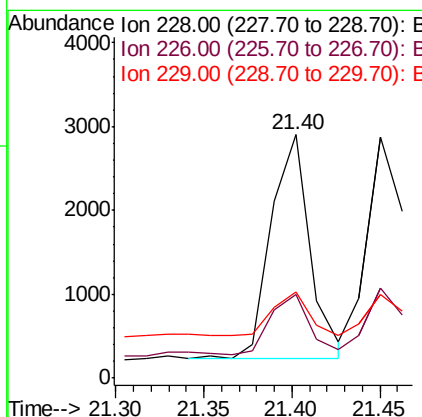
RT: 21.40 min Scan# 1666

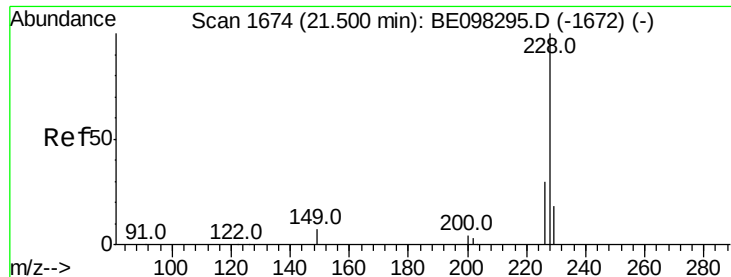
Delta R.T. 0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	228	Resp:	4085
Ion Ratio	Lower	Upper	
228	100		
226	34.2	21.8	32.8#
229	35.3	16.3	24.5#





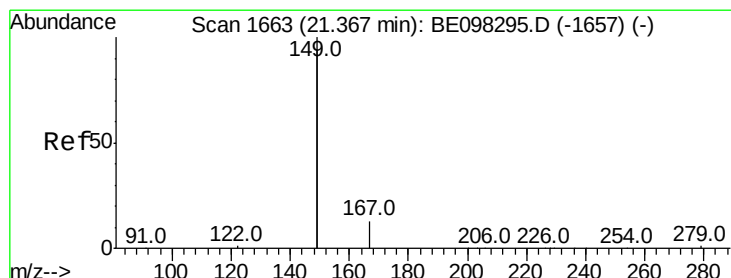
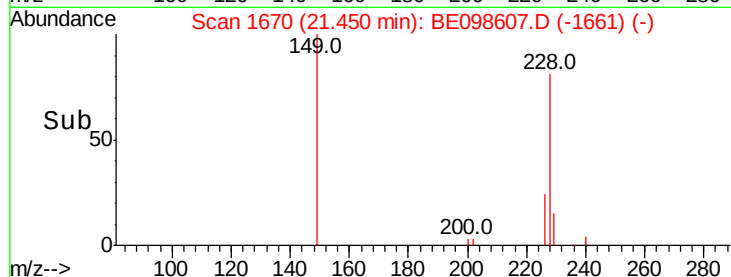
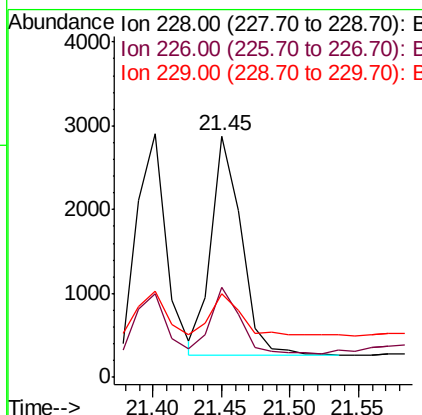
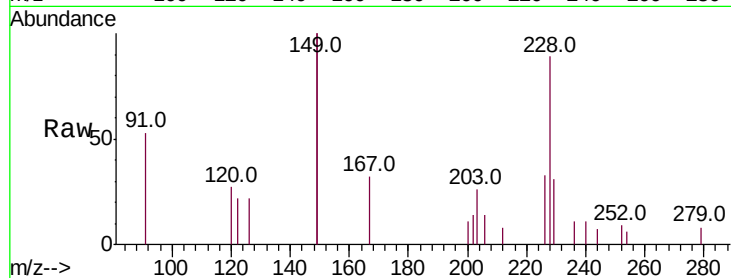
#31
Chrysene
Concen: 0.233 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Instrument :
BNA_E
ClientSampleId :
PB116077BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.5	23.4	35.0#
229	34.6	16.2	24.4#

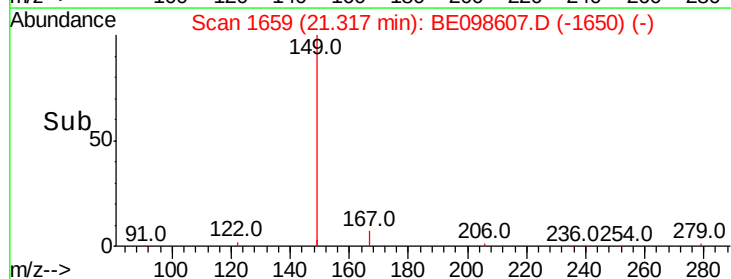
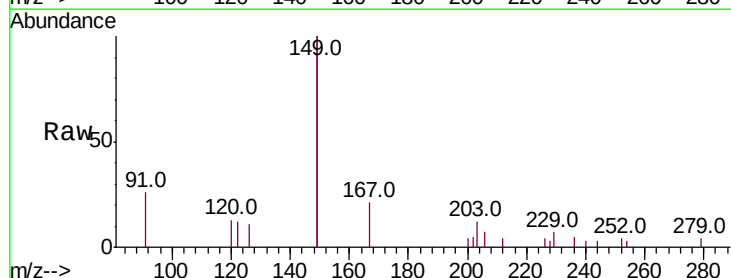
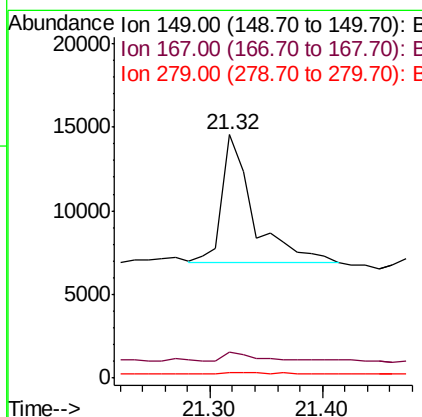
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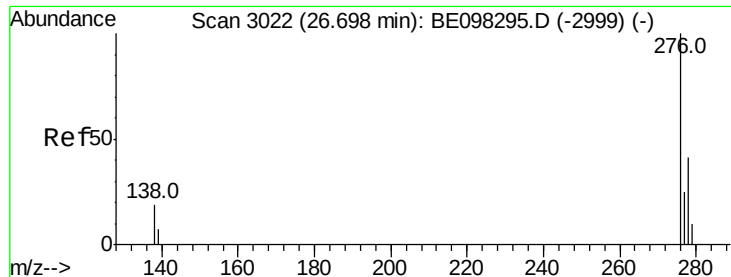
Sohil
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.442 ng
RT: 21.32 min Scan# 1659
Delta R.T. 0.01 min
Lab File: BE098607.D
Acq: 2 Jan 2019 14:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	5.9	5.7	8.5
279	1.7	1.0	1.4#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.334 ng

RT: 26.58 min Scan# 2989

Delta R.T. -0.06 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

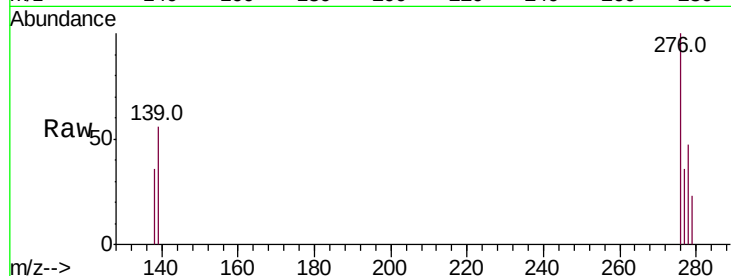
ClientSampleId :

PB116077BS

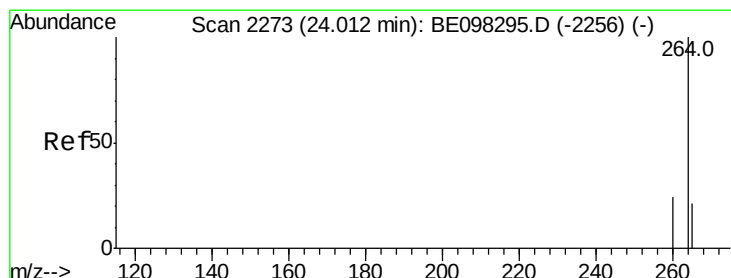
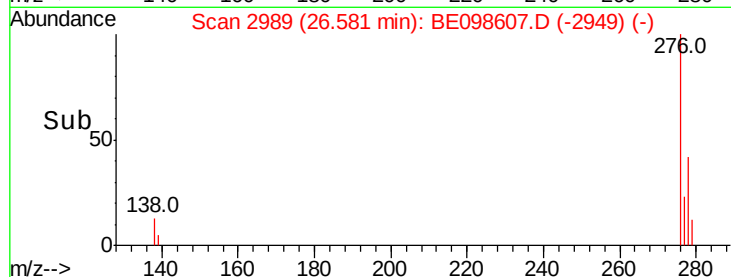
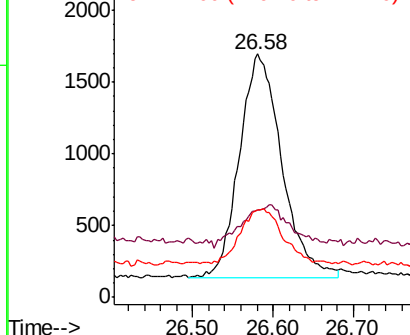
Tot Ion:	276	Resp:	5696
Ion Ratio	Lower	Upper	
276	100		
138	22.3	16.3	24.5
277	25.1	20.2	30.4

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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: 23.93 min Scan# 2250

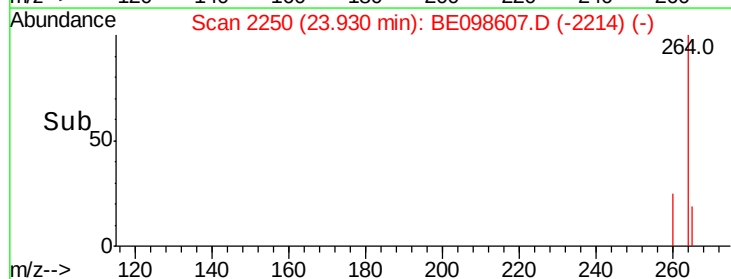
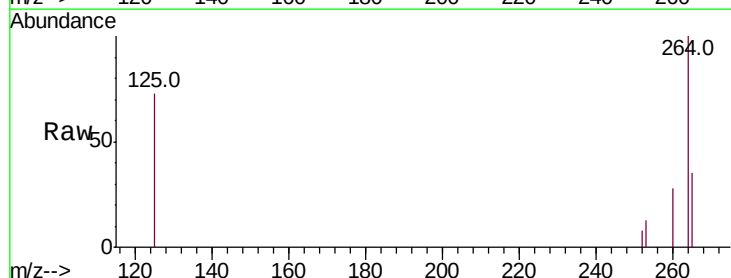
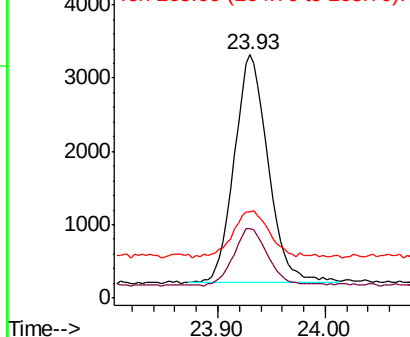
Delta R.T. -0.02 min

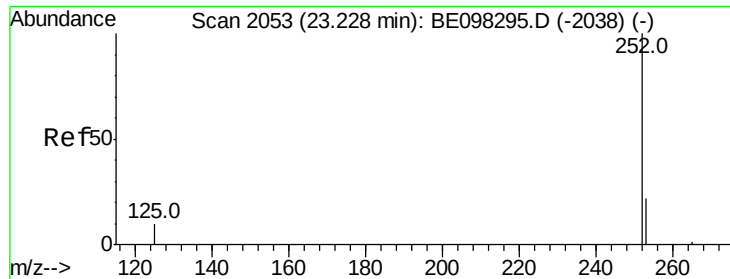
Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	264	Resp:	6781
Ion Ratio	Lower	Upper	
264	100		
260	28.5	20.2	30.2
265	35.5	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: 0.249 ng

RT: 23.16 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

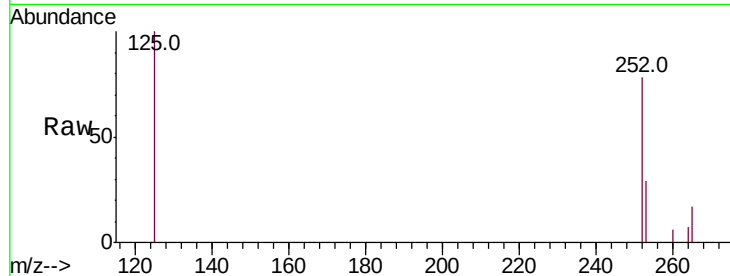
ClientSampleId :

PB116077BS

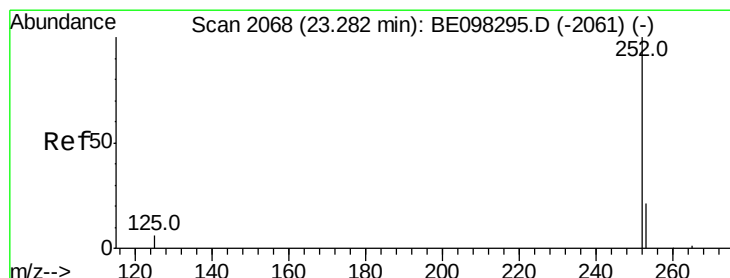
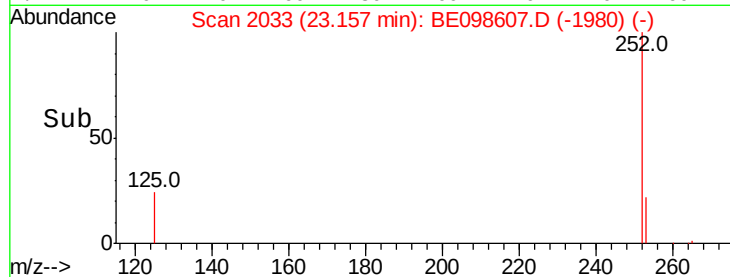
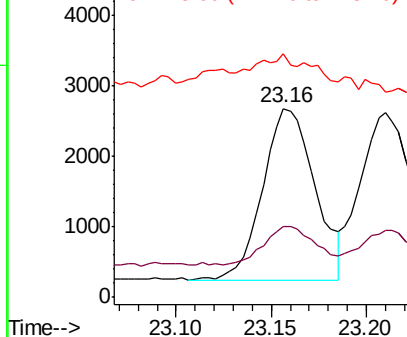
Tot Ion:252	Resp:	4626
Ion Ratio	Lower	Upper
252	100	
253	37.3	20.0 30.0#
125	128.9	9.6 14.4#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.210 ng

RT: 23.21 min Scan# 2048

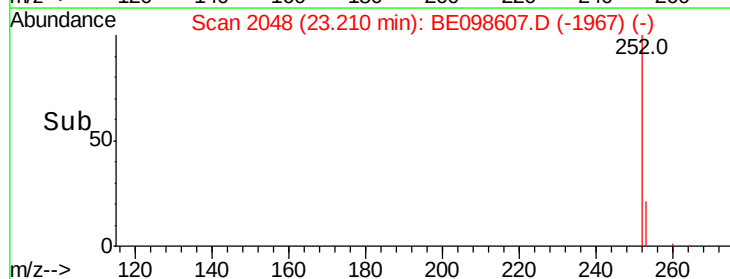
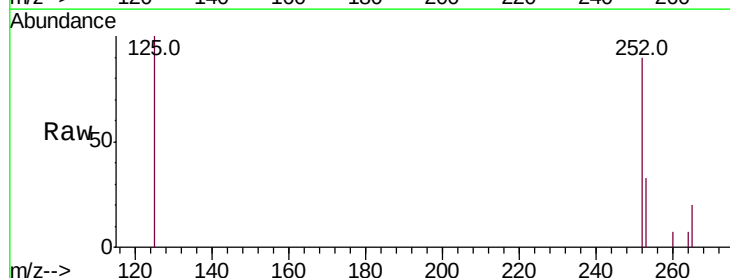
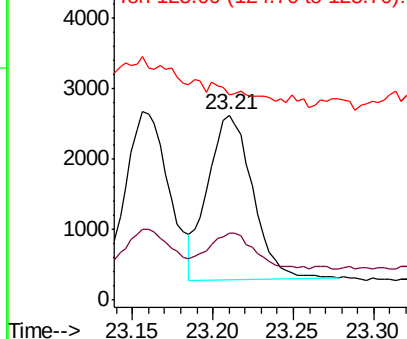
Delta R.T. -0.01 min

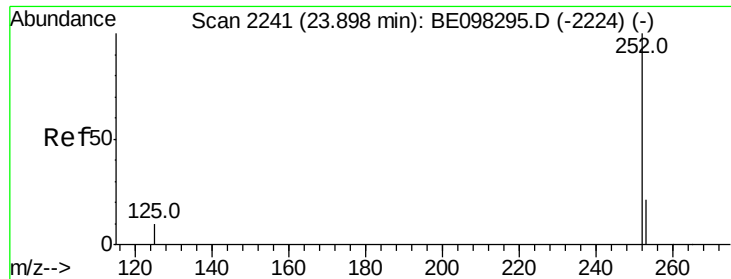
Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:252	Resp:	4535
Ion Ratio	Lower	Upper
252	100	
253	36.3	19.0 28.6#
125	110.9	9.1 13.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.239 ng

RT: 23.82 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

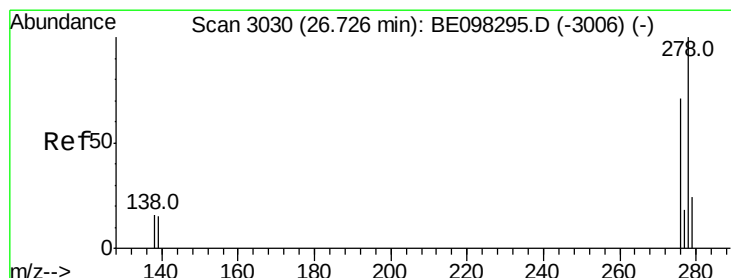
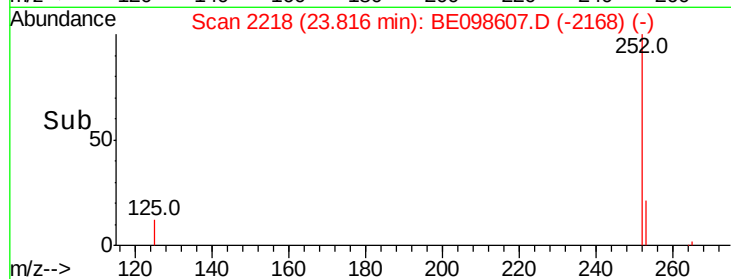
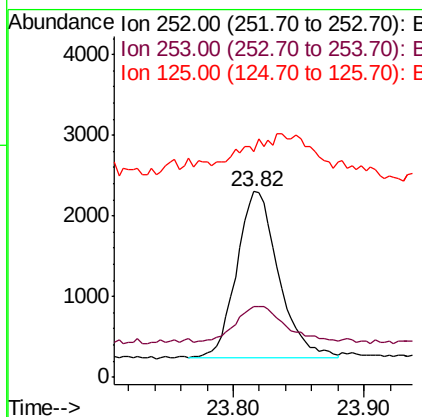
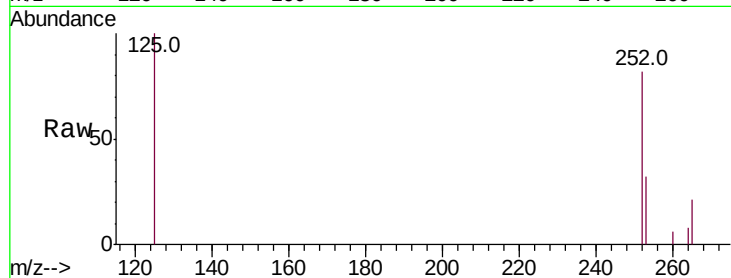
ClientSampleId :

PB116077BS

Tot Ion:	252	Resp:	4581
Ion Ratio	Lower	Upper	
252	100		
253	38.4	20.6	30.8#
125	121.3	10.5	15.7#

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#38

Dibenzo(a,h)anthracene

Concen: 0.258 ng

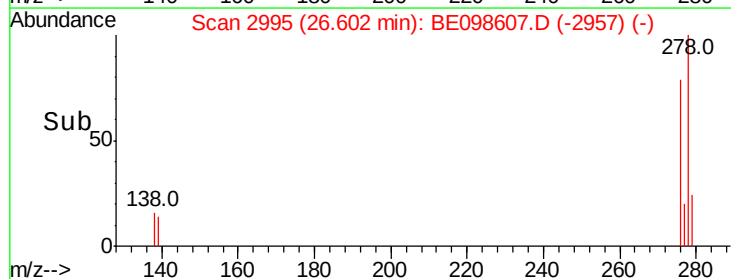
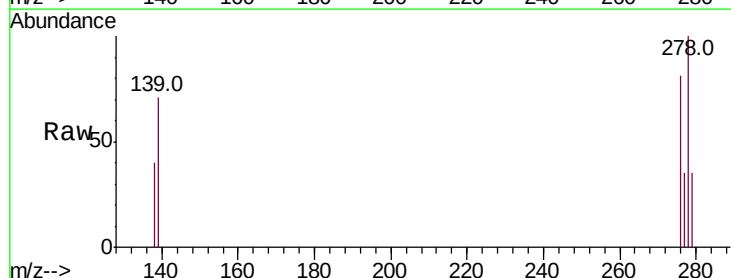
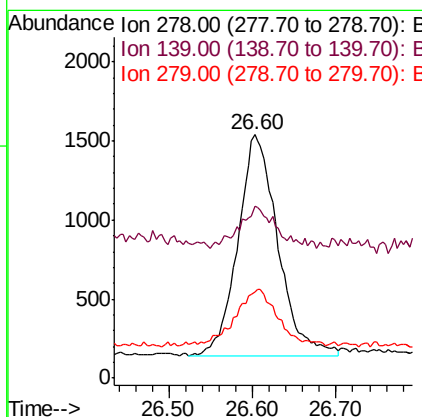
RT: 26.60 min Scan# 2995

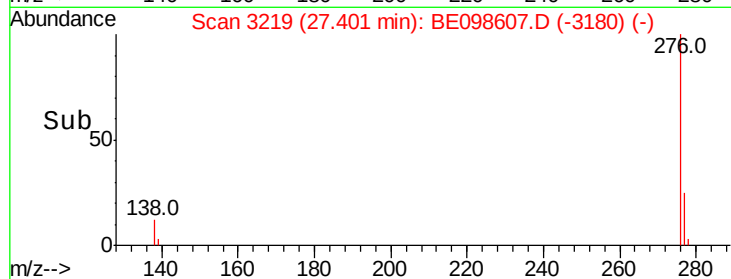
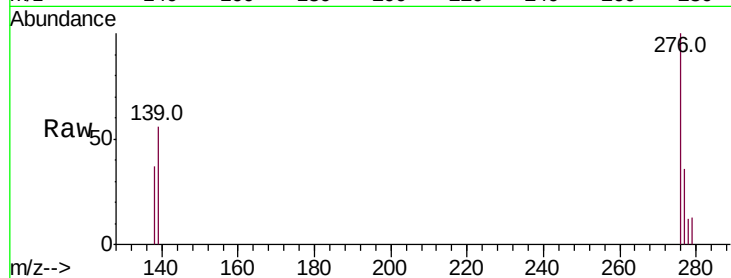
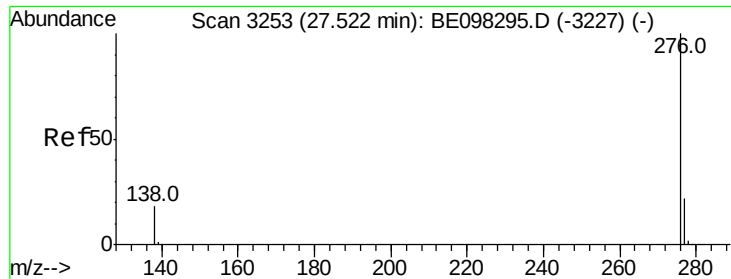
Delta R.T. -0.06 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Tgt Ion:	278	Resp:	4657
Ion Ratio	Lower	Upper	
278	100		
139	70.8	14.5	21.7#
279	35.4	21.8	32.8#





#39

Benzo(a,h,i)perylene

Concen: 0.273 ng

RT: 27.40 min Scan# 3219

Delta R.T. -0.06 min

Lab File: BE098607.D

Acq: 2 Jan 2019 14:40

Instrument :

BNA_E

ClientSampleId :

PB116077BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	36.4	20.8	31.2#
138	36.6	15.8	23.6#

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