

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092618\
 Data File : BE097685.D
 Acq On : 26 Sep 2018 12:52
 Operator : SJ/JU
 Sample : J4963-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SA-PZ123I1-20180914MSD

Manual Integrations
 APPROVED

Sohil
 9/26/2018 6:07:36 PM

Quant Time: Sep 26 15:48:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 18:40:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	907	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	3949	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2190	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	6119	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8999	0.40	ng	0.00
34) Perylene-d12	23.20	264	8635	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	475	0.20	ng	0.00
5) Phenol-d6	6.64	99	359m	0.11	ng	0.02
8) Nitrobenzene-d5	8.53	82	1352	0.53	ng	-0.01
11) 2-Methylnaphthalene-d10	11.72	152	2808	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	501	0.54	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5254	0.74	ng	-0.01
25) Fluoranthene-d10	18.80	212	35075	0.53	ng	0.00
29) Terphenyl-d14	19.41	244	9429	0.53	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	252	0.138	ng	# 87
3) n-Nitrosodimethylamine	3.38	42	204	0.238	ng	# 79
6) bis(2-Chloroethyl)ether	6.82	93	1192	0.424	ng	90
9) Naphthalene	10.17	128	17736	0.494	ng	100
10) Hexachlorobutadiene	10.46	225	684	0.419	ng	96
12) 2-Methylnaphthalene	11.79	142	2761	0.486	ng	99
16) Acenaphthylene	13.72	152	4207	0.478	ng	100
17) Acenaphthene	14.06	154	2776	0.483	ng	96
18) Fluorene	15.05	166	3907	0.483	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1250	0.461	ng	# 78
21) Hexachlorobenzene	16.07	284	1359	0.434	ng	# 83
22) Pentachlorophenol	16.43	266	1046	1.334	ng	# 73
23) Phenanthrene	16.80	178	7454	0.515	ng	99
24) Anthracene	16.89	178	6653	0.553	ng	96
26) Fluoranthene	18.83	202	10117	0.583	ng	99
28) Pyrene	19.19	202	10460	0.445	ng	99
30) Benzo(a)anthracene	20.94	228	11887	0.559	ng	98
31) Chrysene	21.00	228	11635	0.468	ng	99
32) Bis(2-ethylhexyl)phthalate	20.89	149	17548	0.722	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	14207	0.542	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	11362	0.515	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	13200	0.505	ng	94
37) Benzo(a)pyrene	23.10	252	11363	0.521	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	11642	0.508	ng	# 96
39) Benzo(g,h,i)perylene	26.20	276	11603	0.509	ng	# 89

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

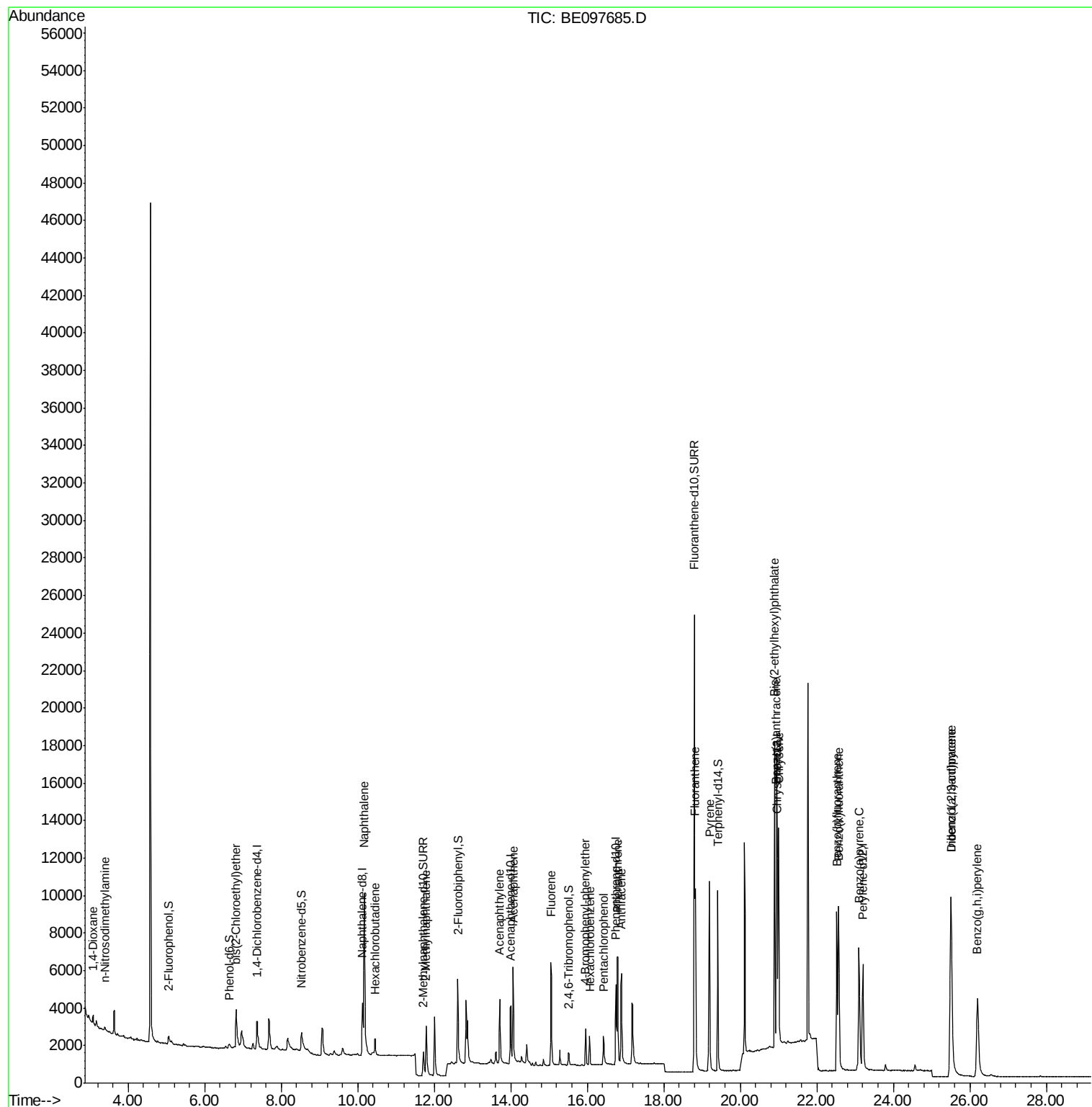
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092618\
Data File : BE097685.D
Acq On : 26 Sep 2018 12:52
Operator : SJ/JU
Sample : J4963-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

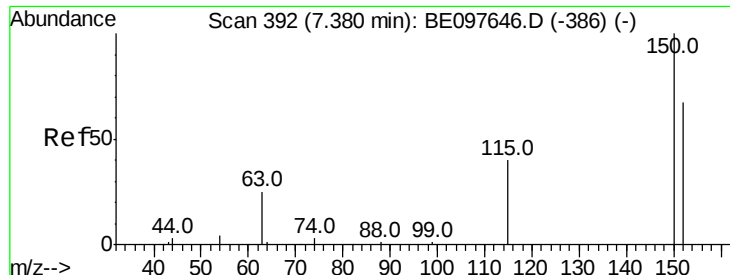
Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

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9/26/2018 6:07:36 PM

Quant Time: Sep 26 15:48:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 18:40:34 2018
Response via : Initial Calibration





#1

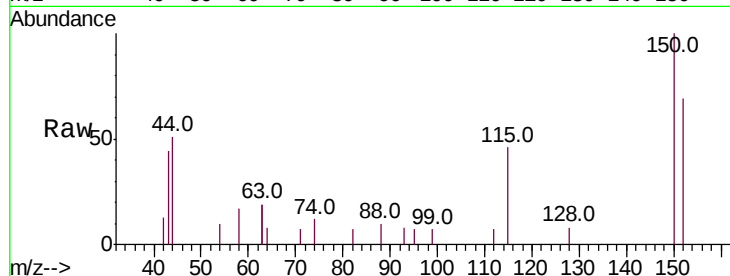
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BE097685.D
 Acq: 26 Sep 2018 12:52

Instrument :
 BNA_E
 ClientSampleId :
 SA-PZ123I1-20180914MSD

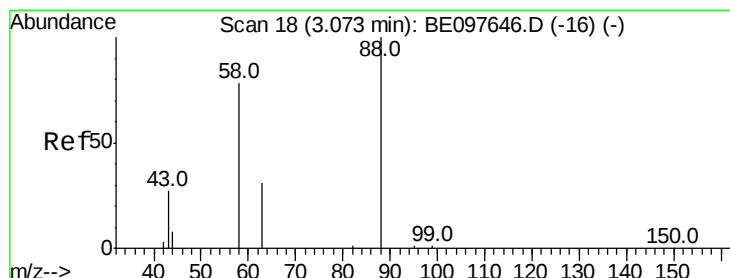
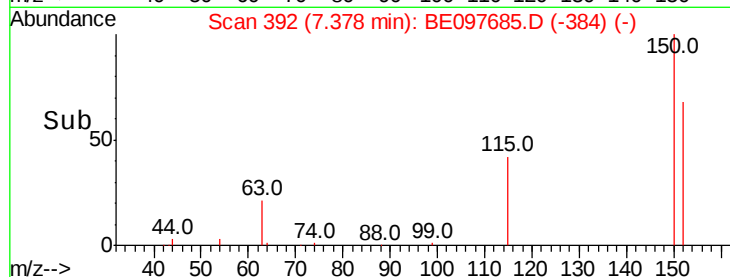
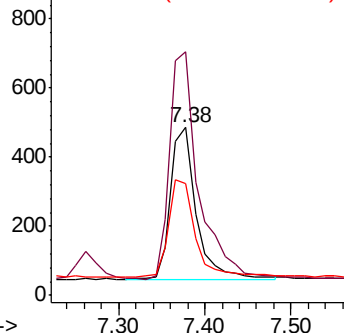
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.1	117.2	175.8
115	66.3	57.0	85.6

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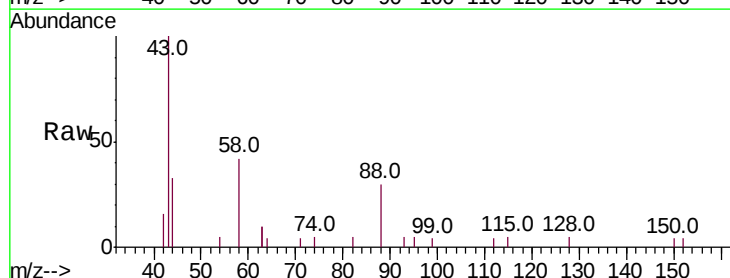
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



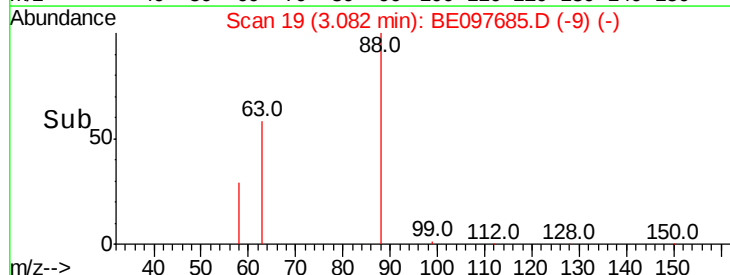
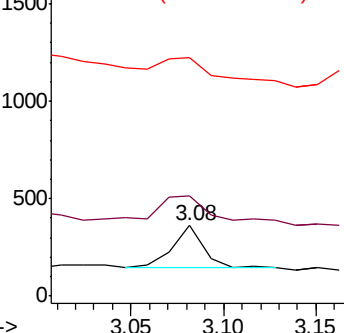
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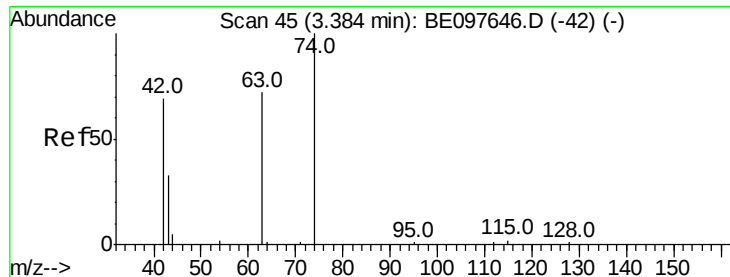
1,4-Dioxane
 Concen: 0.138 ng
 RT: 3.08 min Scan# 19
 Delta R.T. 0.01 min
 Lab File: BE097685.D
 Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.2	63.2	94.8
43	74.2	41.2	61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
 Ion 58.00 (57.70 to 58.70): BE0
 Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.238 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

ClientSampleId :

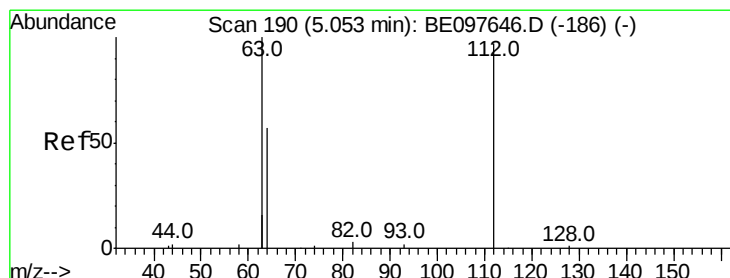
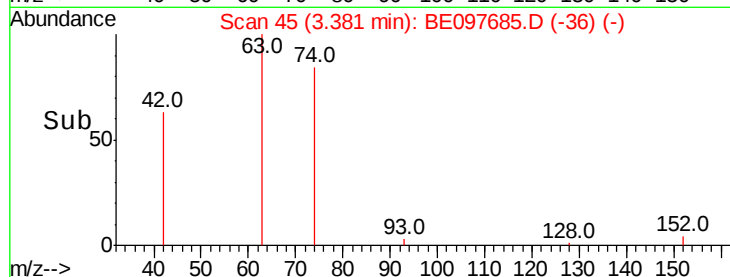
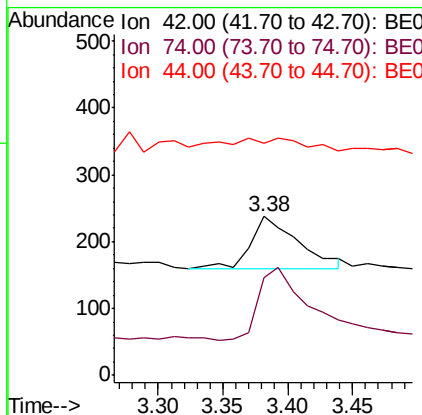
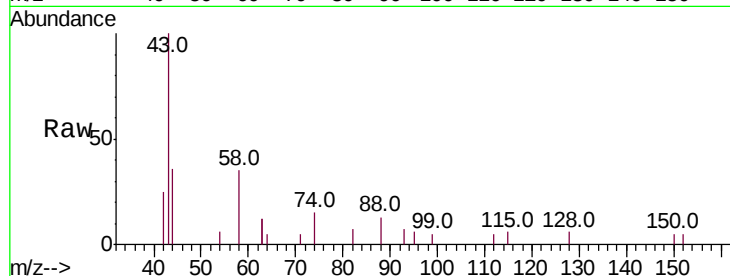
SA-PZ123I1-20180914MSD

Tot Ion:	42	Resp:	204
Ion	Ratio	Lower	Upper
42	100		
74	138.7	96.0	144.0
44	36.8	12.0	18.0#

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#4

2-Fluorophenol

Concen: 0.199 ng

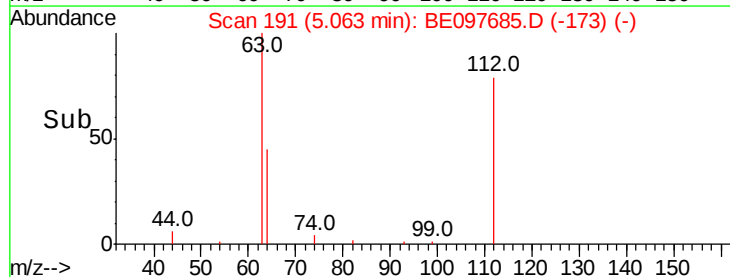
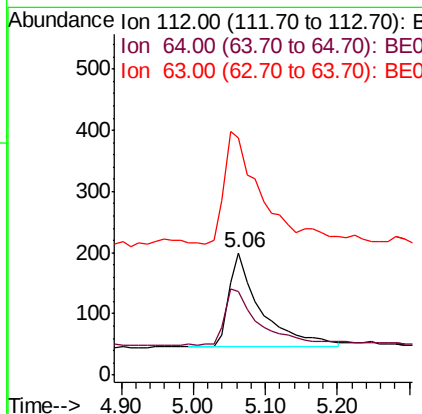
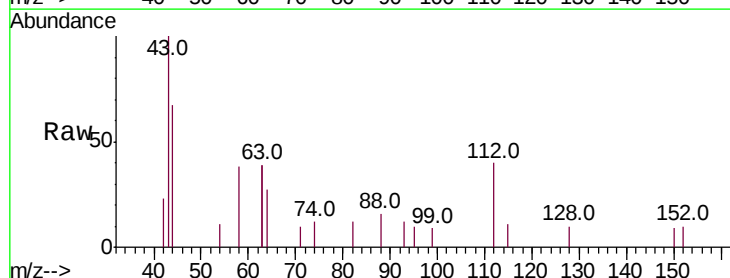
RT: 5.06 min Scan# 191

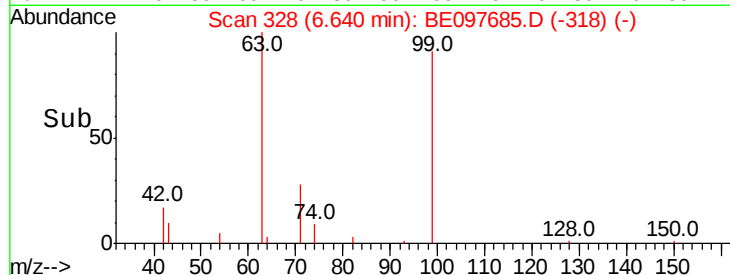
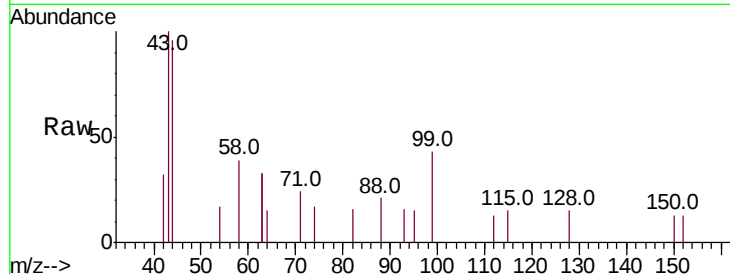
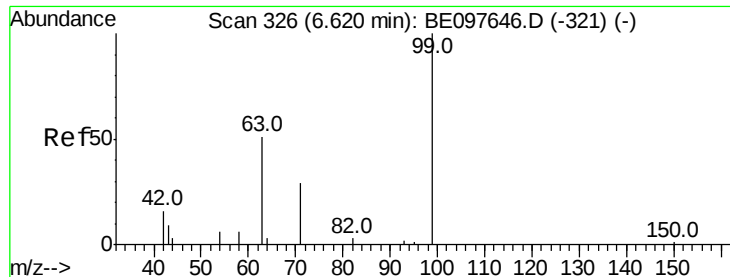
Delta R.T. 0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tgt Ion:	112	Resp:	475
Ion	Ratio	Lower	Upper
112	100		
64	66.7	60.1	90.1
63	126.9	116.8	175.2





#5

Phenol-d6

Concen: 0.106 ng/ml

RT: 6.64 min Scan# 328

Delta R.T. 0.02 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tot Ion:	99	Resp:	359
Ion	Ratio	Lower	Upper
99	100		
42	18.1	20.2	30.2#
71	27.0	28.4	42.6#

Instrument :

BNA_E

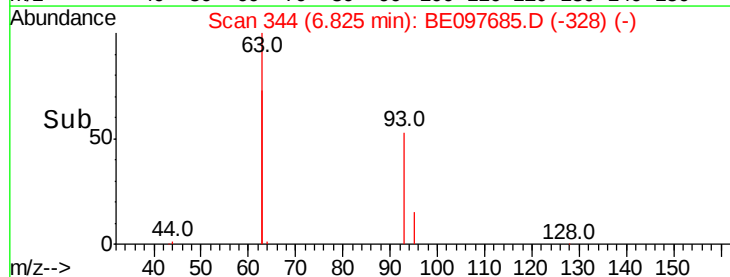
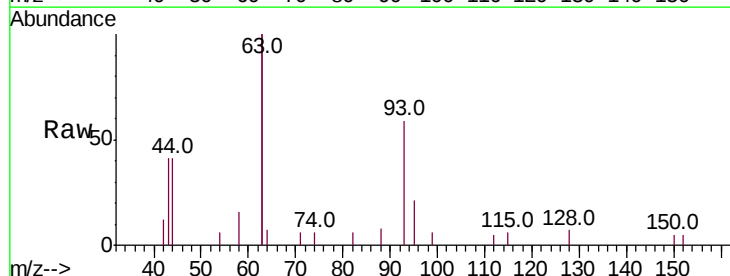
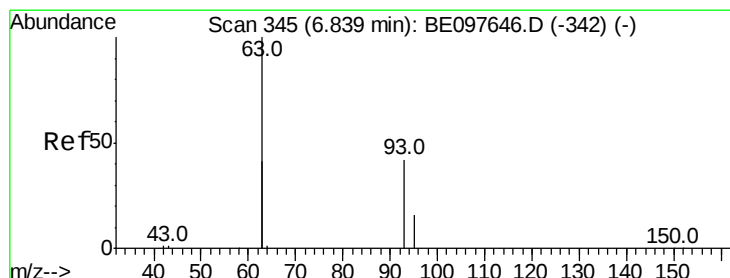
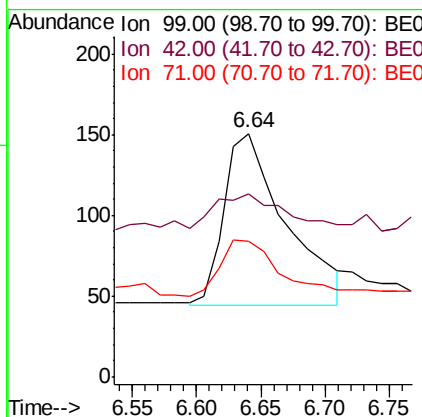
ClientSampleId :

SA-PZ123I1-20180914MSD

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#6

bis(2-Chloroethyl)ether

Concen: 0.424 ng/ml

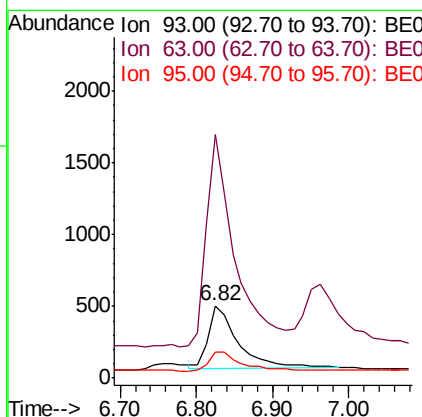
RT: 6.82 min Scan# 344

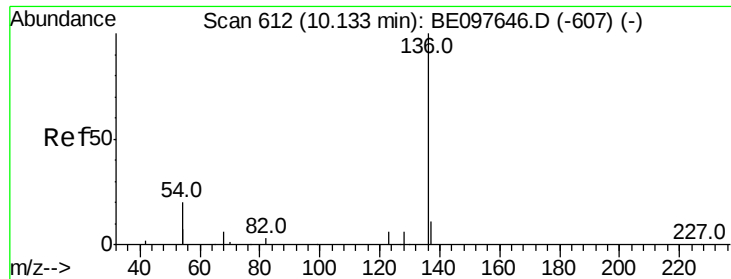
Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tgt Ion:	93	Resp:	1192
Ion	Ratio	Lower	Upper
93	100		
63	322.1	275.3	412.9
95	34.4	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

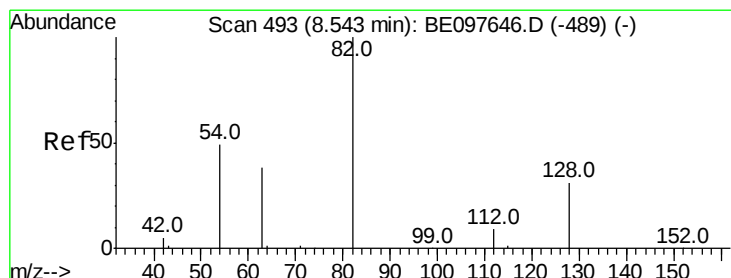
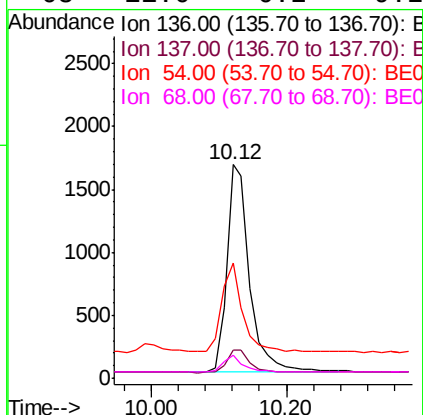
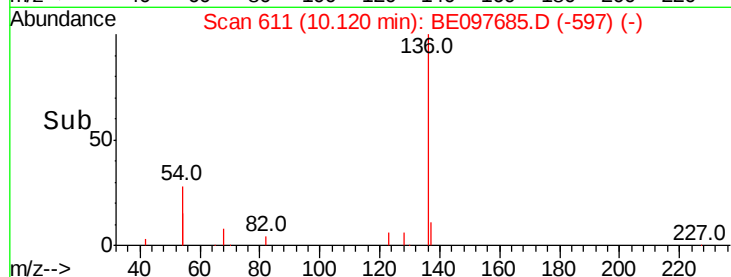
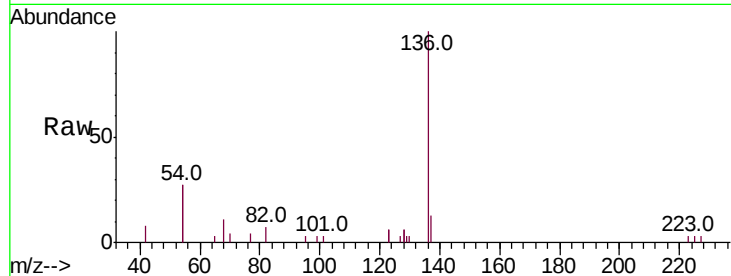
ClientSampleId :

SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	53.7	29.1	43.7#
68	11.0	6.2	9.2#

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#8

Nitrobenzene-d5

Concen: 0.535 ng

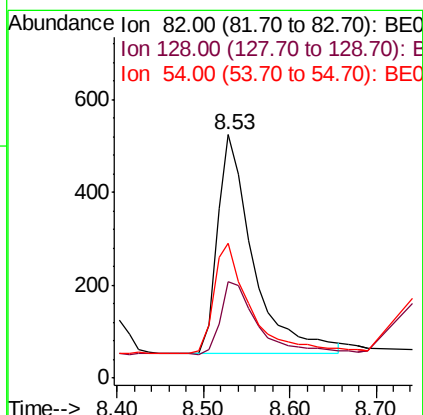
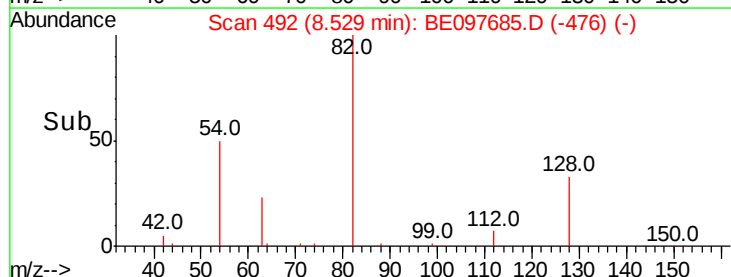
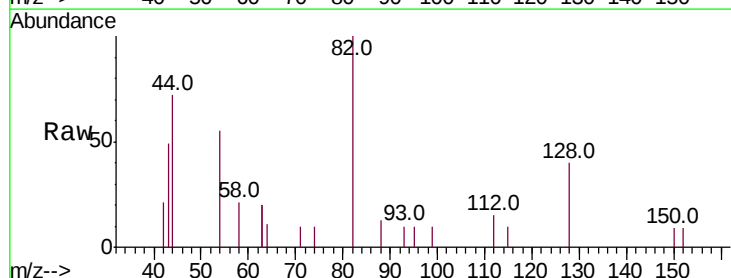
RT: 8.53 min Scan# 492

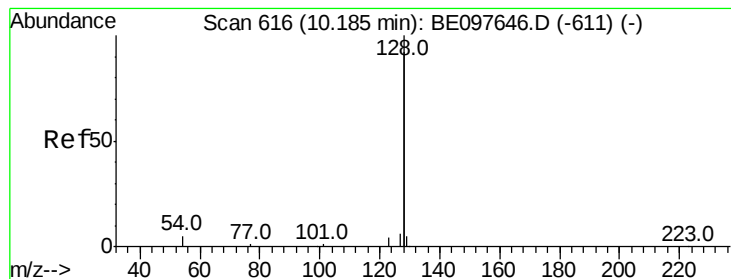
Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	24.0	36.0#
54	55.2	40.0	60.0





#9

Naphthalene

Concen: 0.494 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

ClientSampleId :

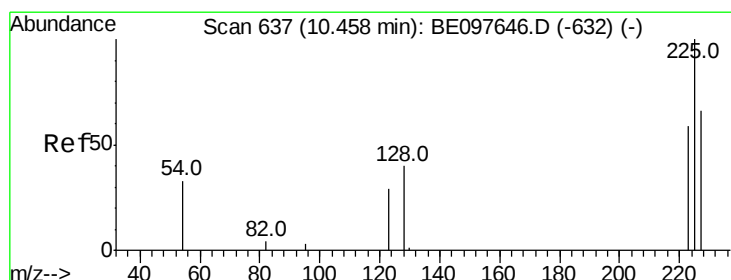
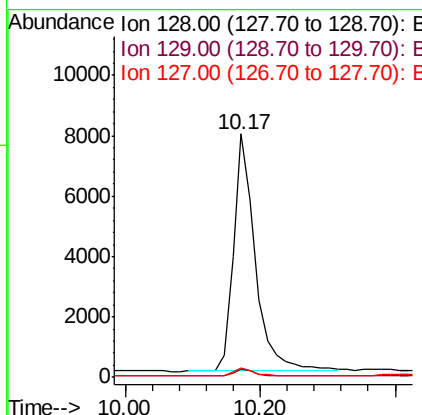
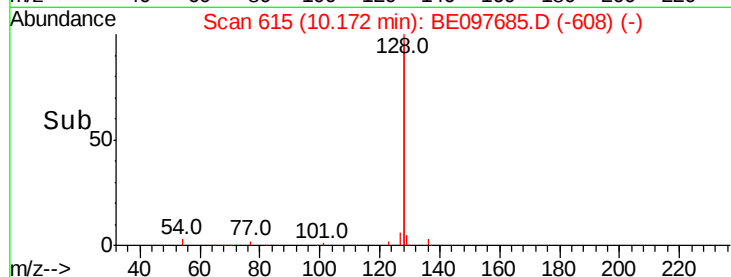
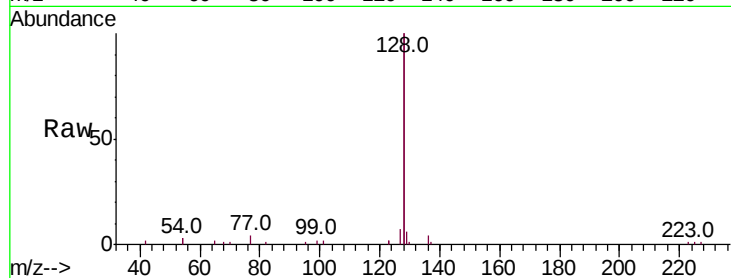
SA-PZ123I1-20180914MSD

Tot Ion:	128	Resp:	17736
Ion Ratio	Lower	Upper	
128	100		
129	3.2	2.6	3.8
127	3.7	2.8	4.2

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#10

Hexachlorobutadiene

Concen: 0.419 ng

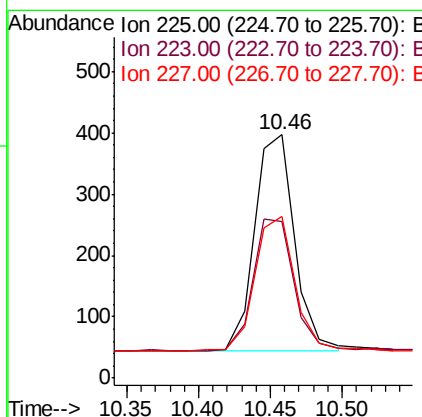
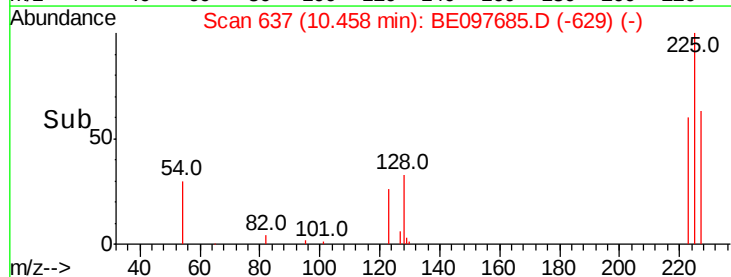
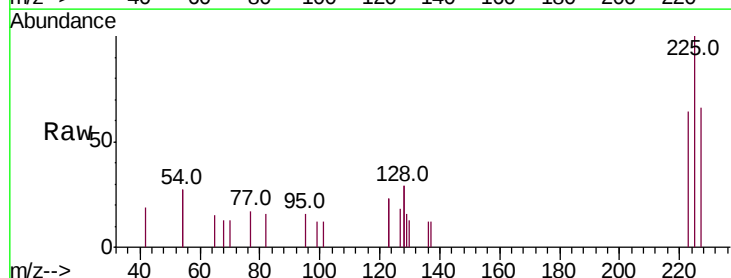
RT: 10.46 min Scan# 637

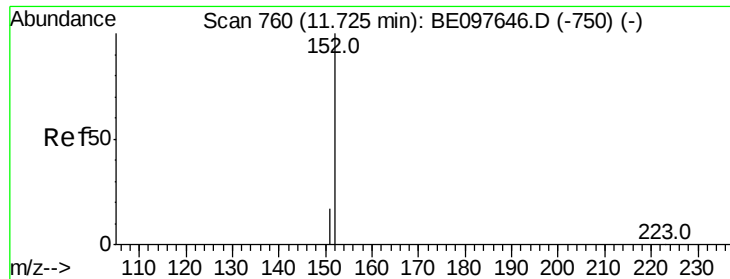
Delta R.T. -0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tgt Ion:	225	Resp:	684
Ion Ratio	Lower	Upper	
225	100		
223	61.7	53.0	79.6
227	62.6	51.4	77.2





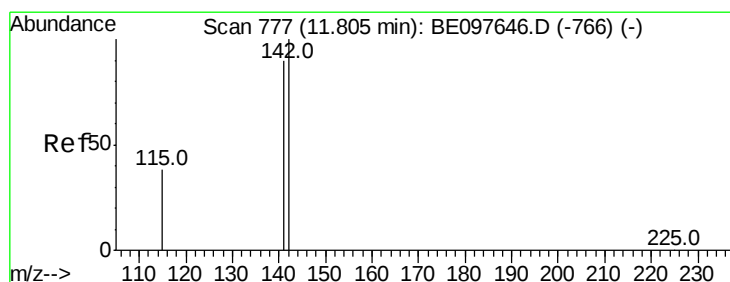
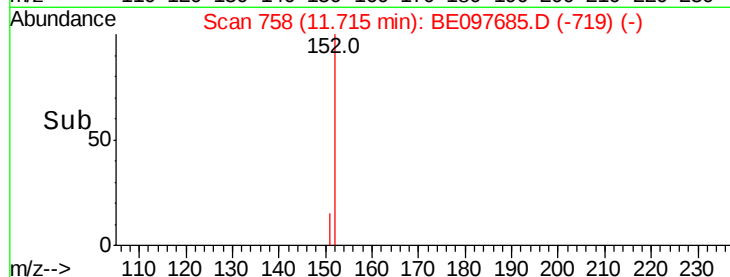
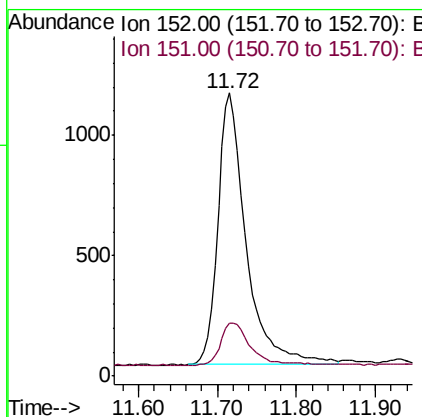
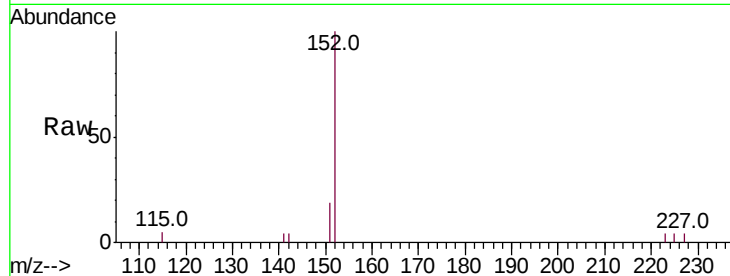
#11
2-Methylnaphthalene-d10
Concen: 0.480 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	15.3	15.4	23.0#

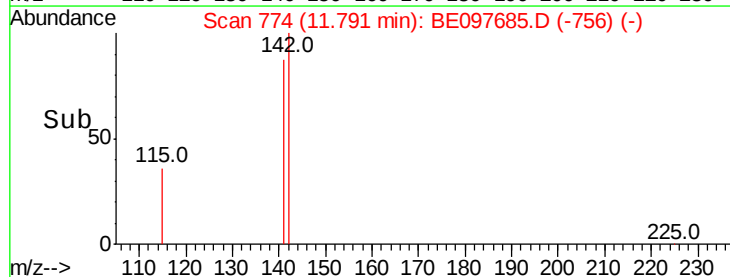
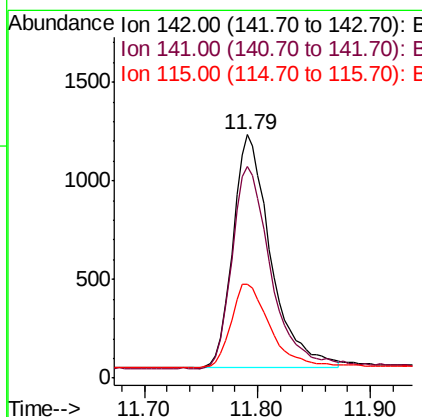
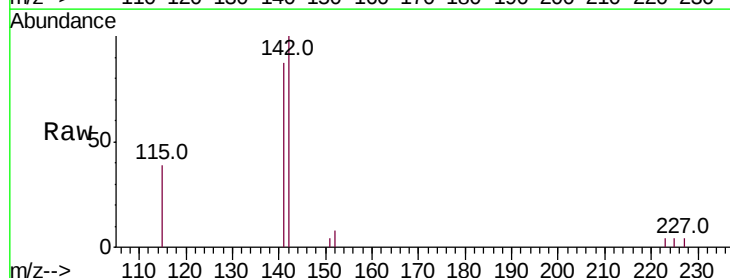
Manual Integrations
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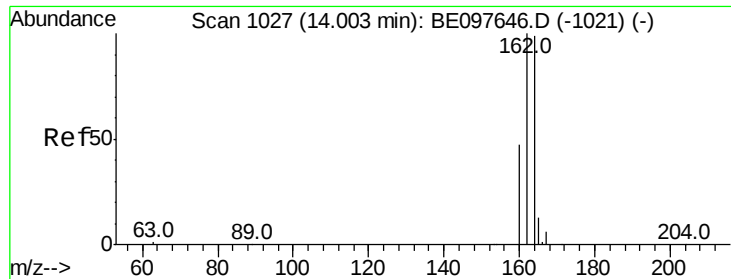
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#12
2-Methylnaphthalene
Concen: 0.486 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.4	105.6
115	38.8	31.7	47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

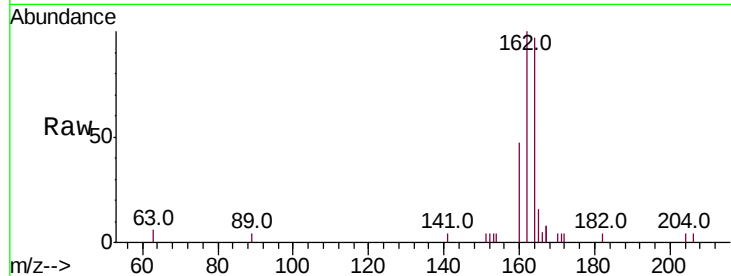
ClientSampleId :

SA-PZ123I1-20180914MSD

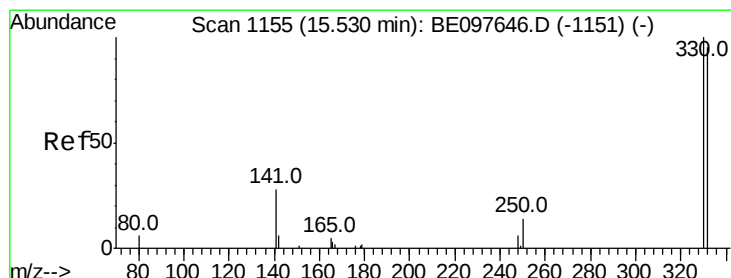
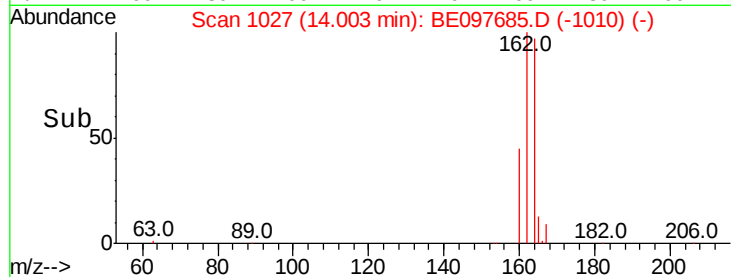
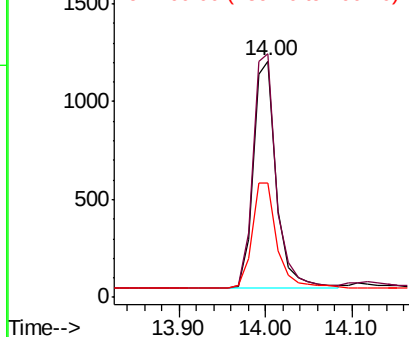
Tot Ion:	164	Resp:	2190
Ion Ratio	Lower	Upper	
164	100		
162	103.0	83.1	124.7
160	48.3	37.1	55.7

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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: 0.539 ng

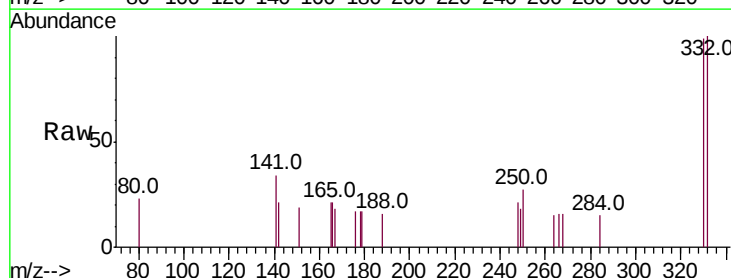
RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

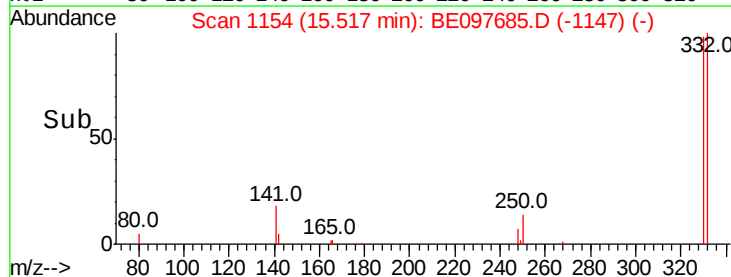
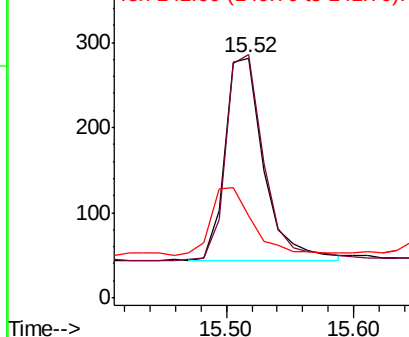
Lab File: BE097685.D

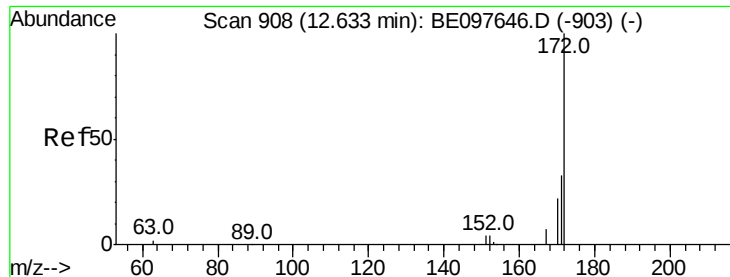
Acq: 26 Sep 2018 12:52

Tgt Ion:	330	Resp:	501
Ion Ratio	Lower	Upper	
330	100		
332	101.4	152.7	229.1#
141	35.9	33.7	50.5



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





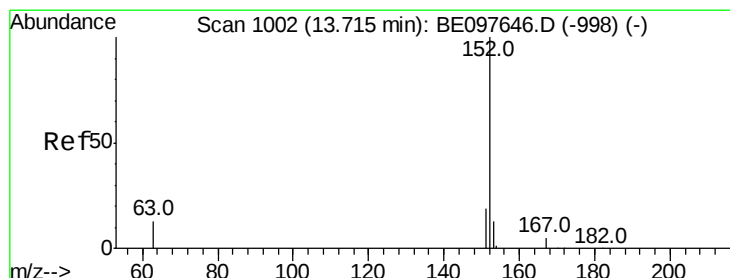
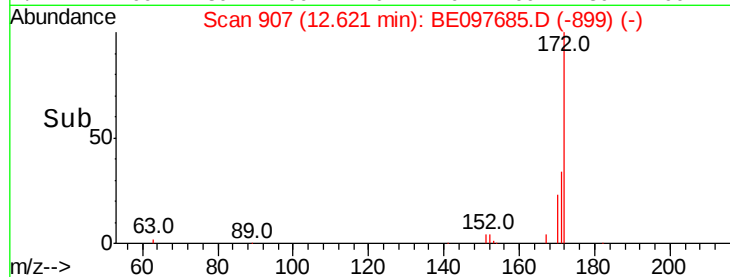
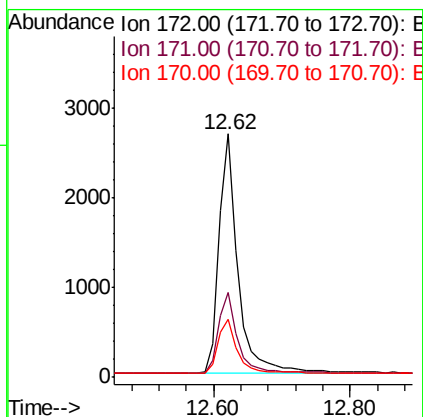
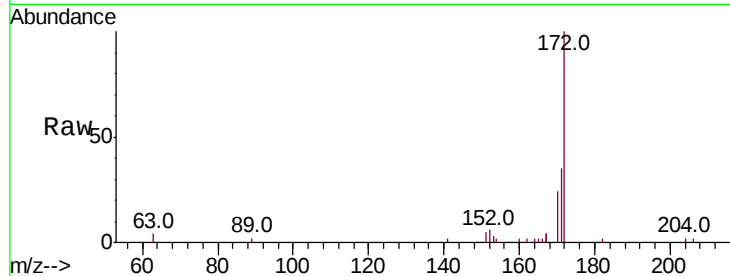
#15
2-Fluorobiphenyl
Concen: 0.735 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	23.9	21.8	32.8

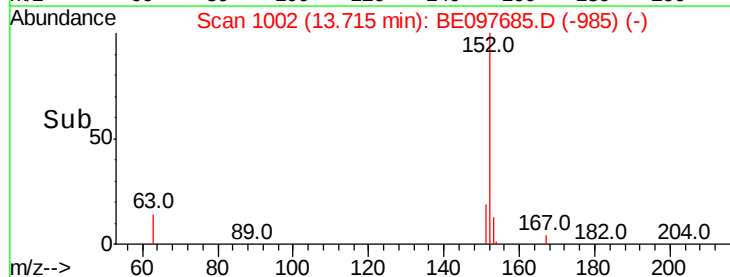
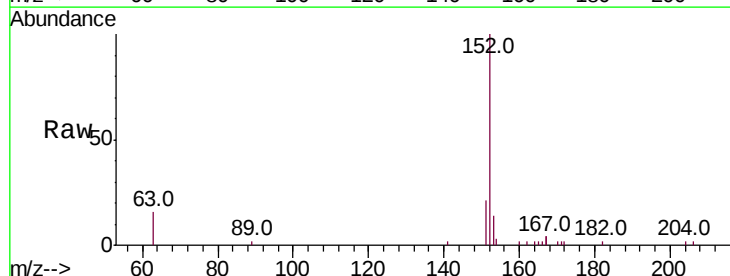
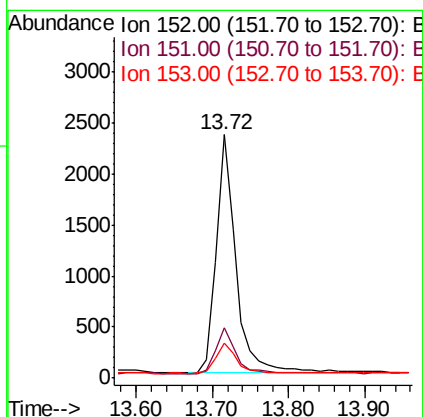
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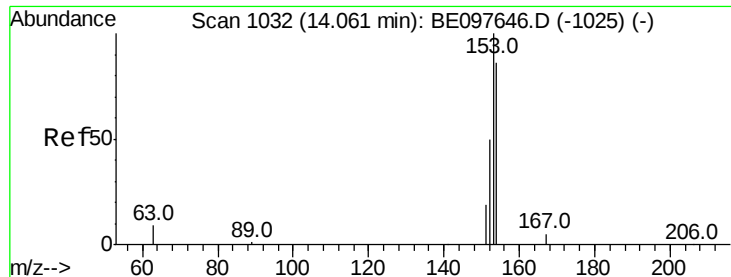
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#16
Acenaphthylene
Concen: 0.478 ng
RT: 13.72 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.1	10.5	15.7





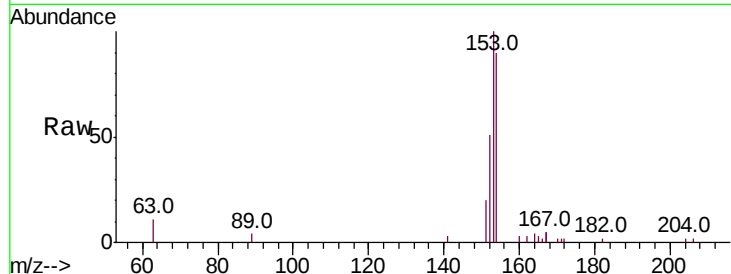
#17
Acenaphthene
Concen: 0.483 ng
RT: 14.06 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	57.3	42.0	63.0

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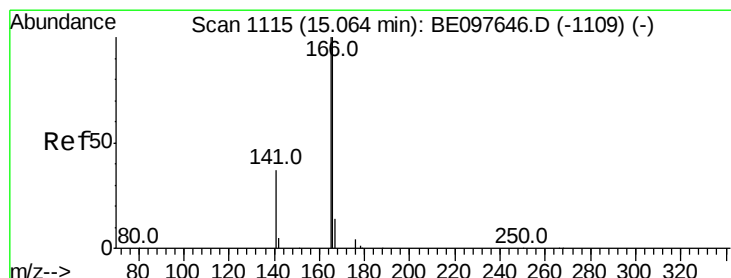
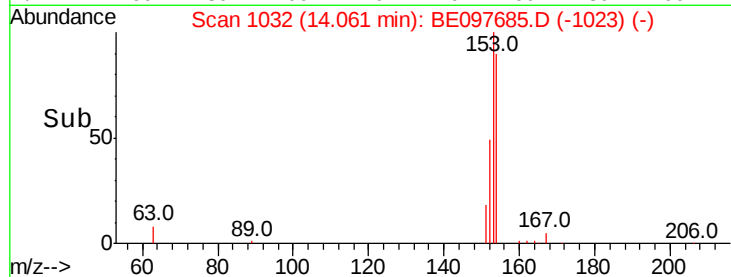
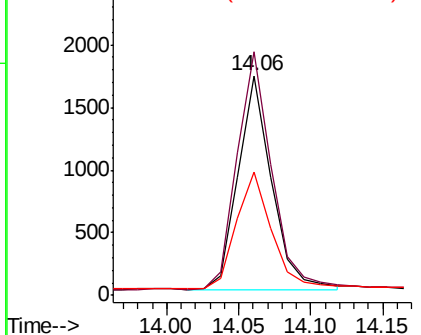


Abundance

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: 0.483 ng
RT: 15.05 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

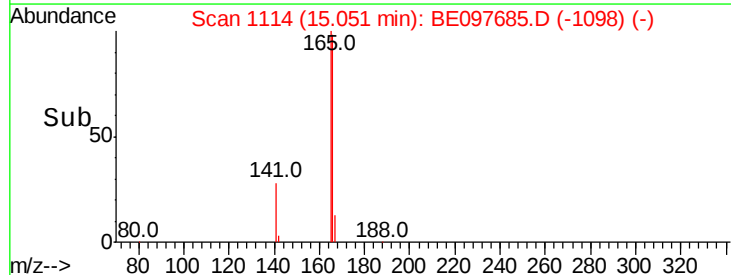
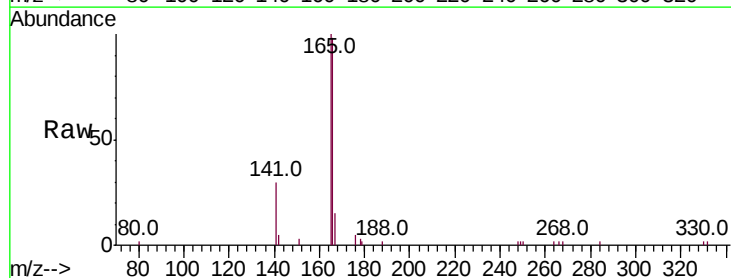
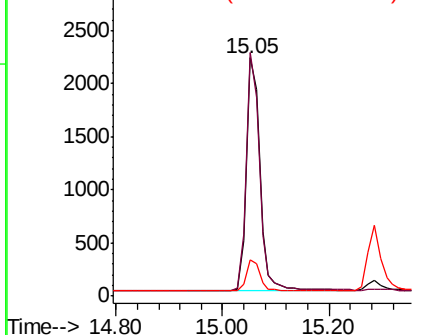
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.8	116.6
167	13.4	42.4	63.6#

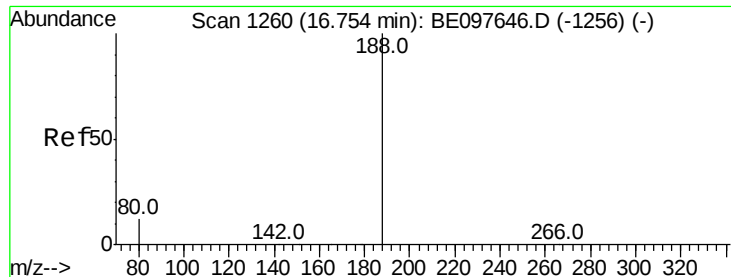
Abundance

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





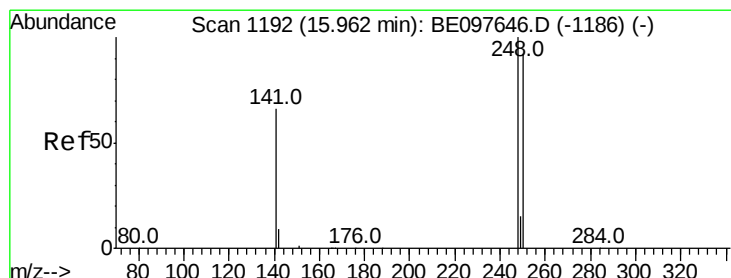
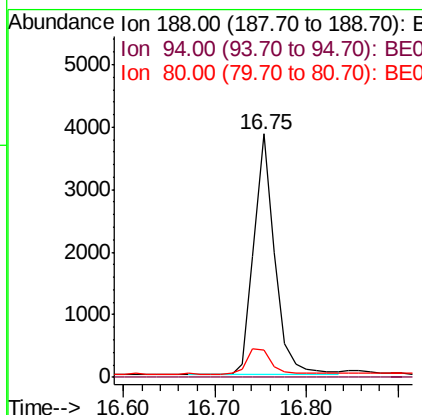
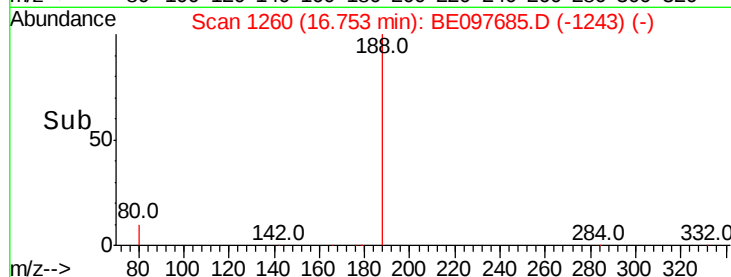
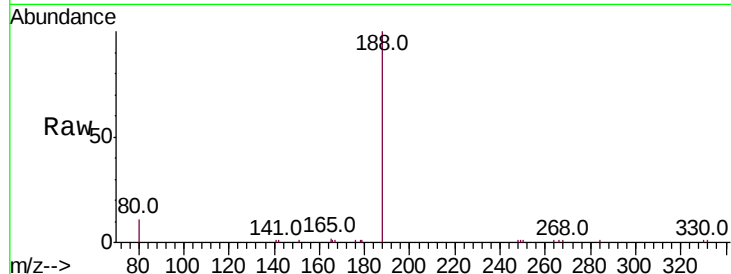
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	0.0	3.9	5.9#	
80	11.4	3.6	5.4#	

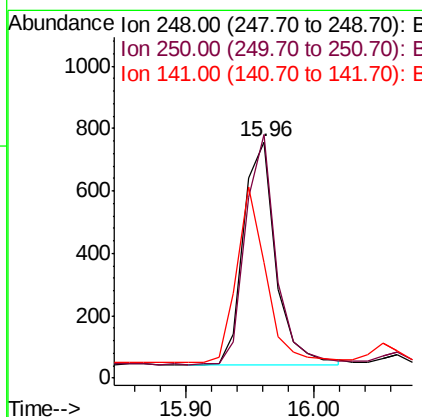
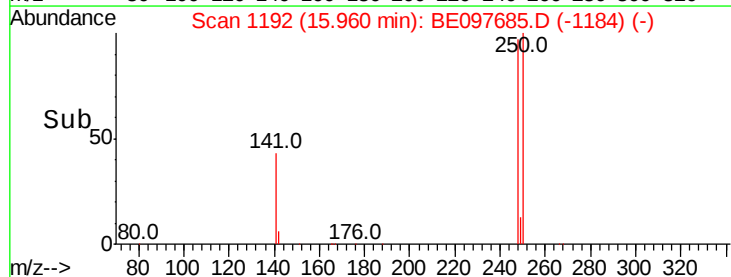
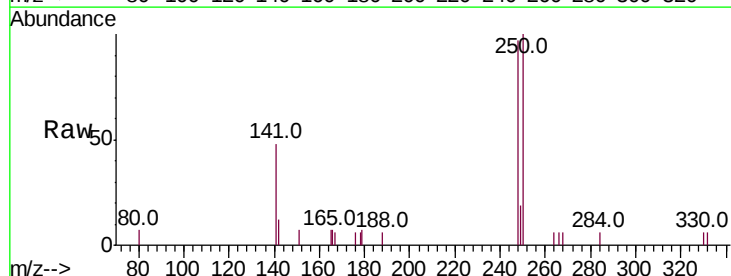
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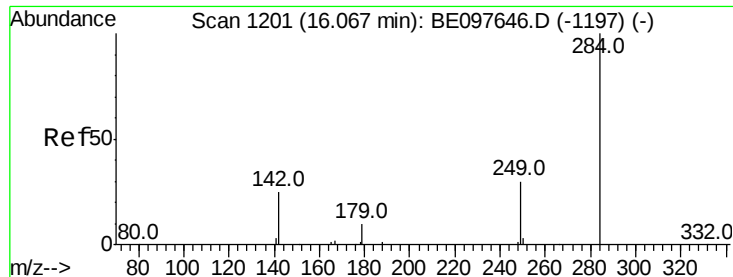
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#20
4-Bromophenyl-phenylether
Concen: 0.461 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	103.2	62.7	94.1#	
141	49.0	48.2	72.2	





#21

Hexachlorobenzene

Concen: 0.434 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

ClientSampleId :

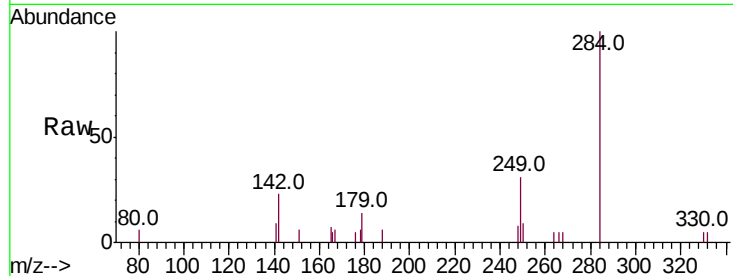
SA-PZ123I1-20180914MSD

Tot Ion:	284	Resp:	1359
Ion Ratio	Lower	Upper	
284	100		
142	31.7	22.1	33.1
249	28.8	34.8	52.2#

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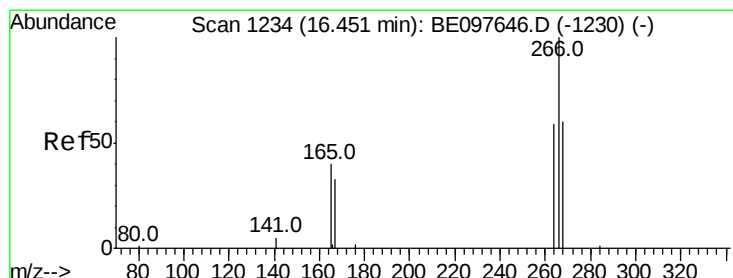
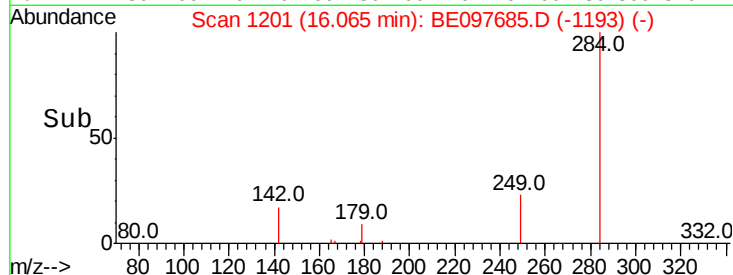
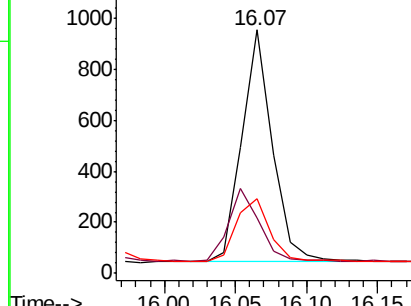
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.334 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.02 min

Lab File: BE097685.D

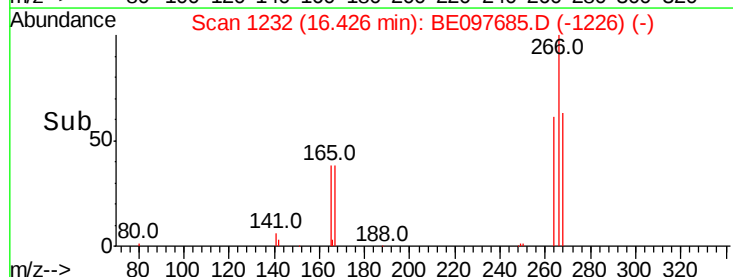
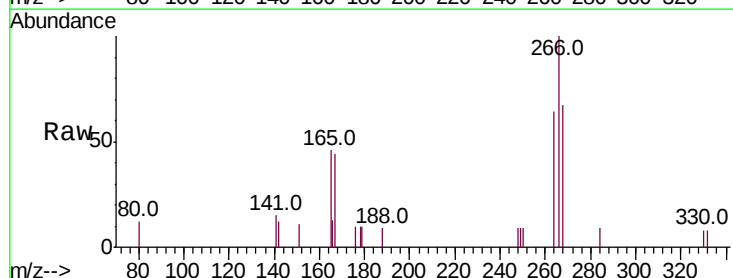
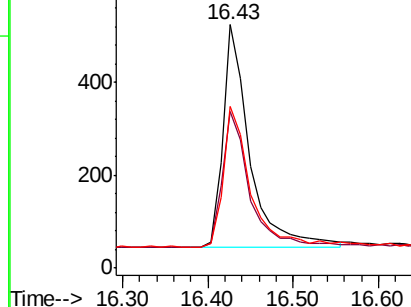
Acq: 26 Sep 2018 12:52

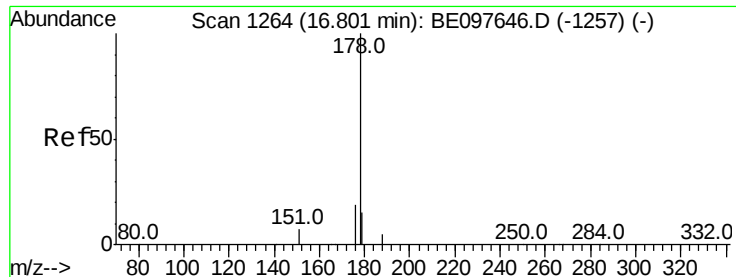
Tgt Ion:	266	Resp:	1046
Ion Ratio	Lower	Upper	
266	100		
264	64.3	72.5	108.7#
268	66.6	73.8	110.6#

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





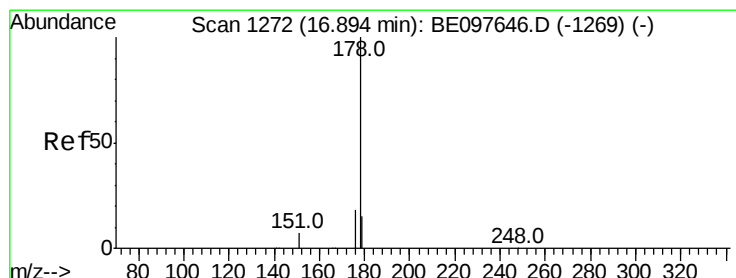
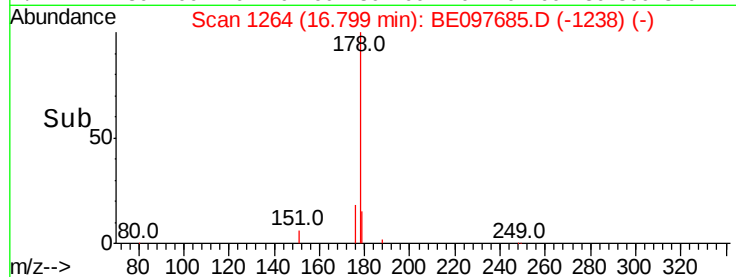
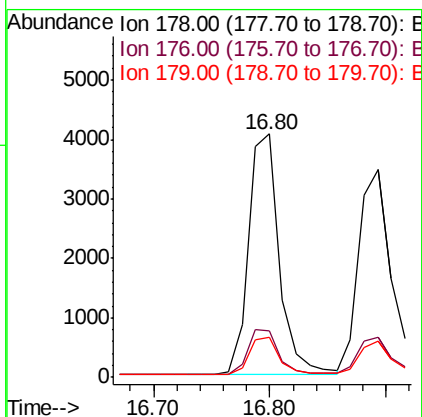
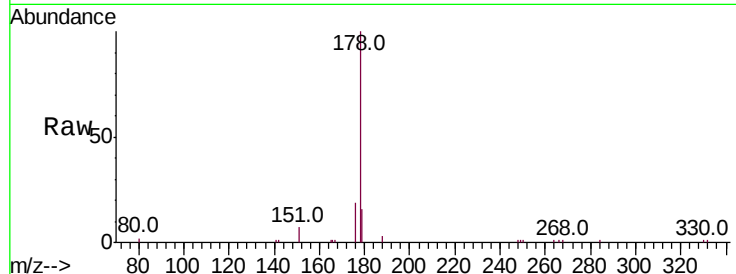
#23
Phenanthrene
Concen: 0.515 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	11.8	17.6

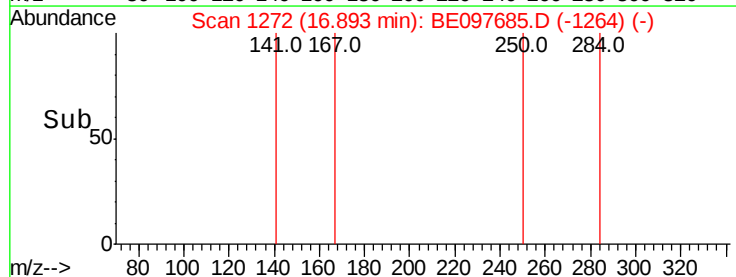
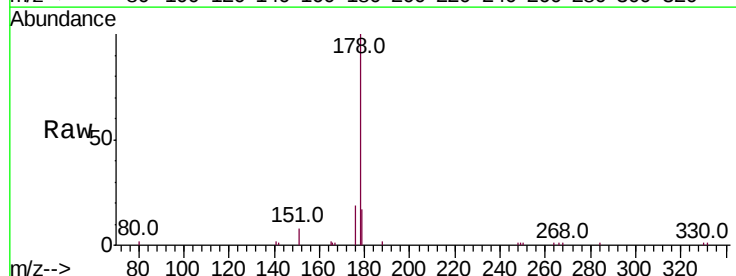
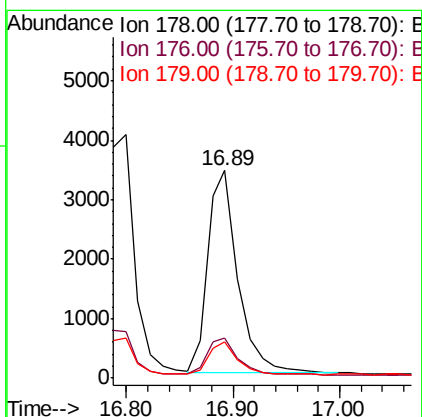
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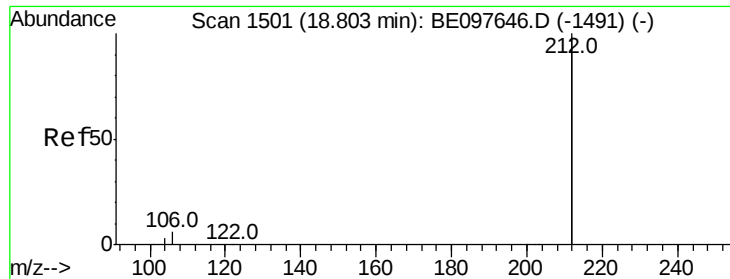
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#24
Anthracene
Concen: 0.553 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.6	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.526 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

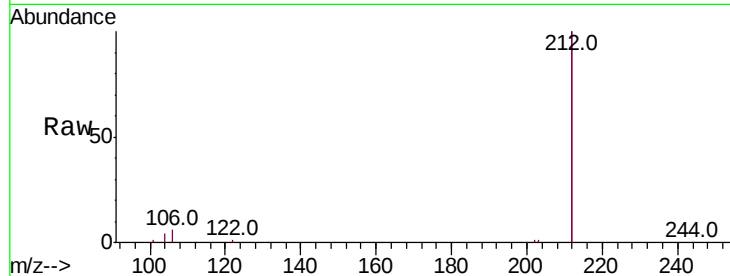
ClientSampleId :

SA-PZ123I1-20180914MSD

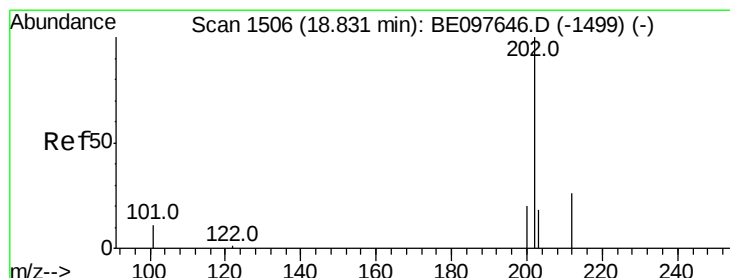
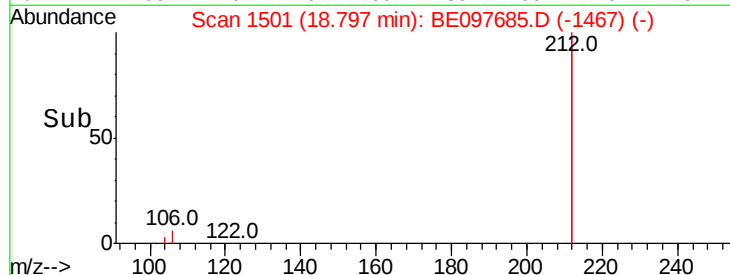
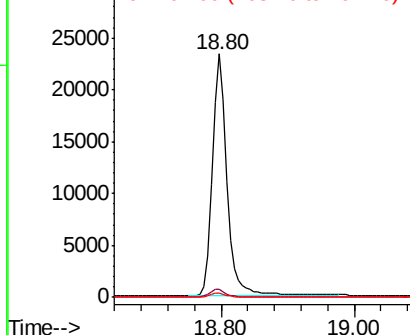
Tot Ion:	212	Resp:	35075
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4

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



#26

Fluoranthene

Concen: 0.583 ng

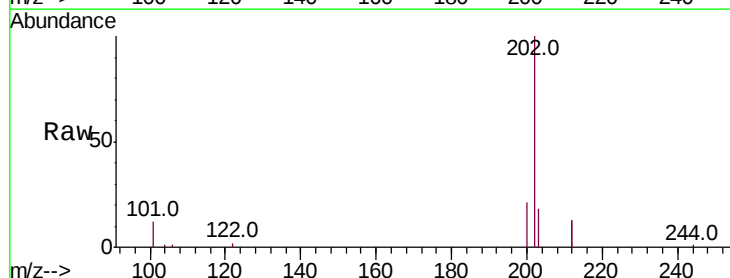
RT: 18.83 min Scan# 1506

Delta R.T. -0.01 min

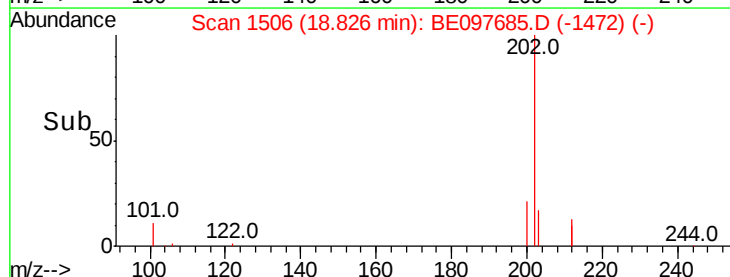
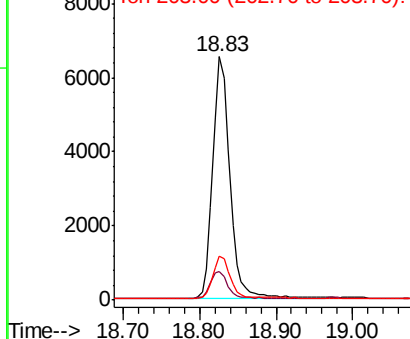
Lab File: BE097685.D

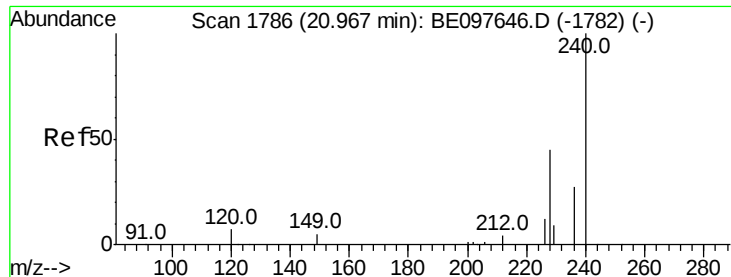
Acq: 26 Sep 2018 12:52

Tgt Ion:	202	Resp:	10117
Ion Ratio	Lower	Upper	
202	100		
101	11.4	9.8	14.8
203	17.2	13.7	20.5



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: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

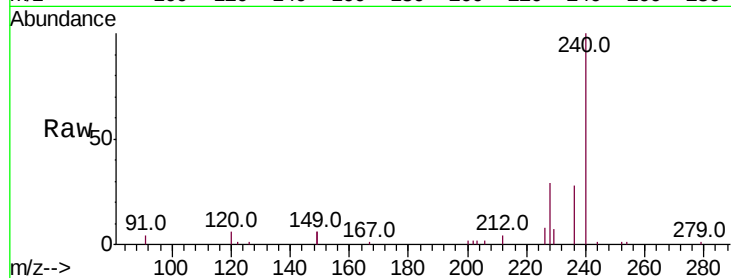
ClientSampleId :

SA-PZ123I1-20180914MSD

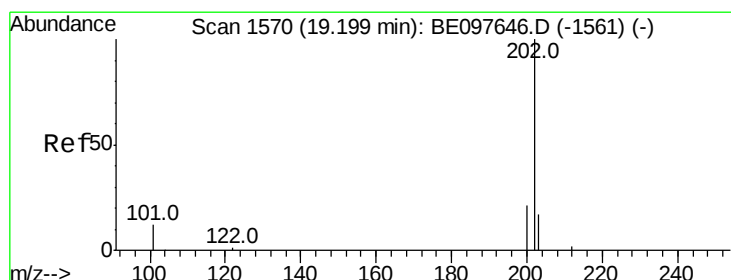
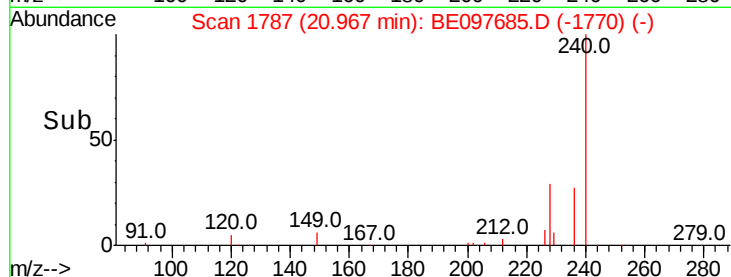
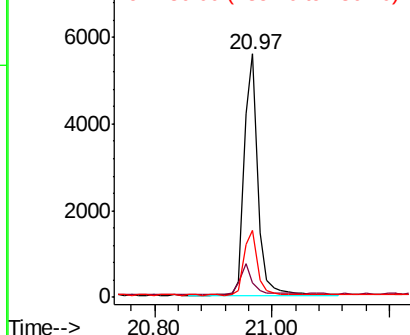
Tot Ion:	240	Resp:	8999
Ion Ratio	Lower	Upper	
240	100		
120	6.0	5.5	8.3
236	27.6	20.7	31.1

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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: 0.445 ng

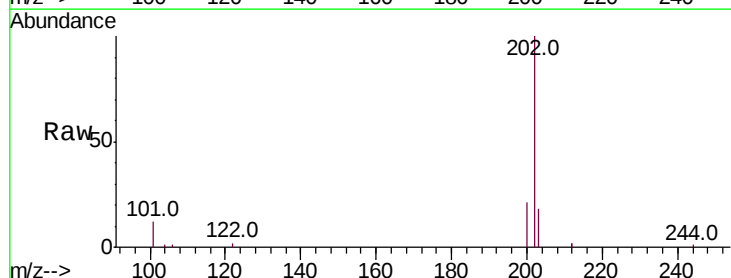
RT: 19.19 min Scan# 1570

Delta R.T. -0.01 min

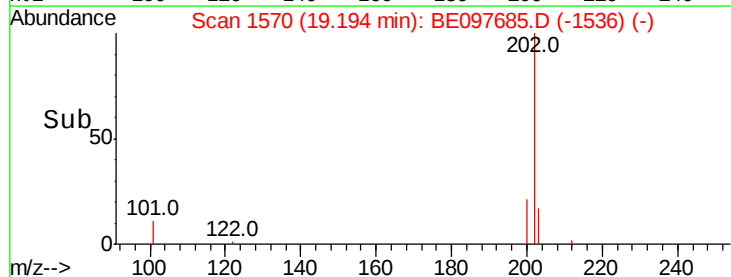
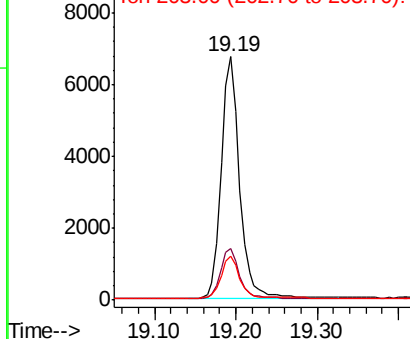
Lab File: BE097685.D

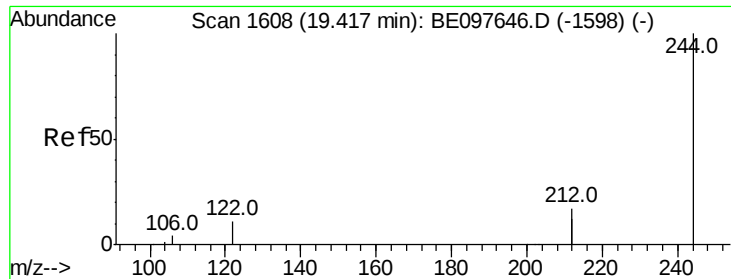
Acq: 26 Sep 2018 12:52

Tgt Ion:	202	Resp:	10460
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.6	25.0
203	17.9	13.8	20.8



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





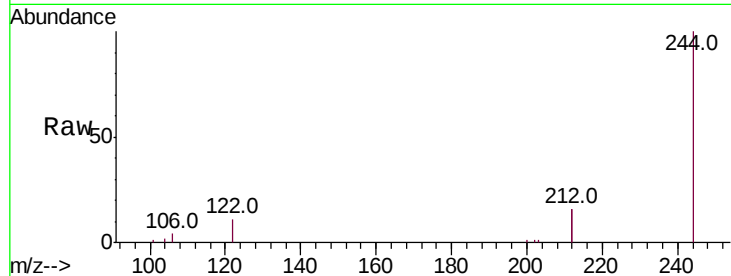
#29
 Terphenyl-d14
 Concen: 0.532 ng
 RT: 19.41 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BE097685.D
 Acq: 26 Sep 2018 12:52

Instrument :
 BNA_E
 ClientSampleId :
 SA-PZ123I1-20180914MSD

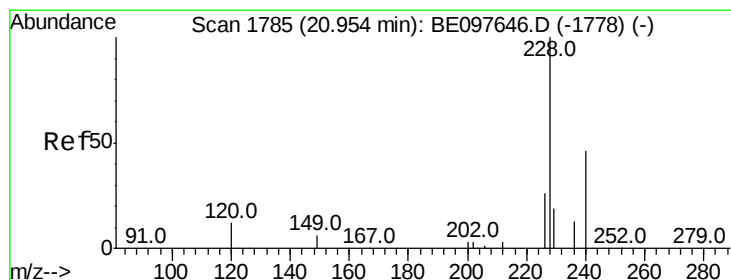
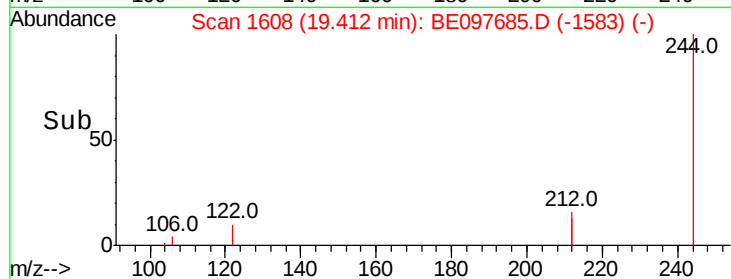
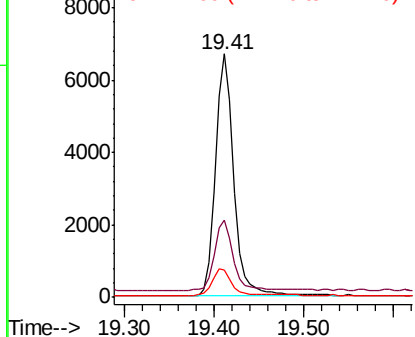
Tot Ion	Ratio	Lower	Upper
244	100		
212	31.5	25.4	38.0
122	11.2	8.1	12.1

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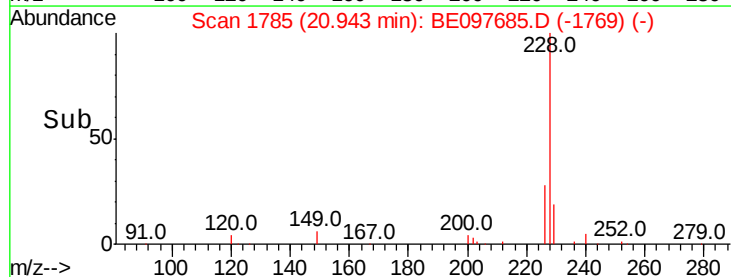
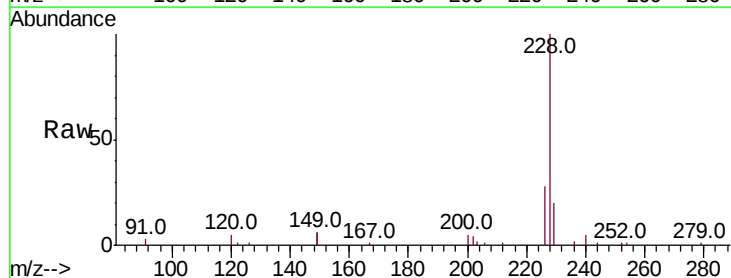
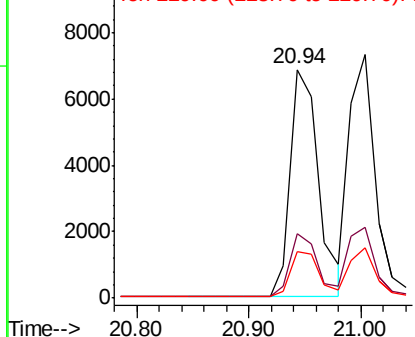
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

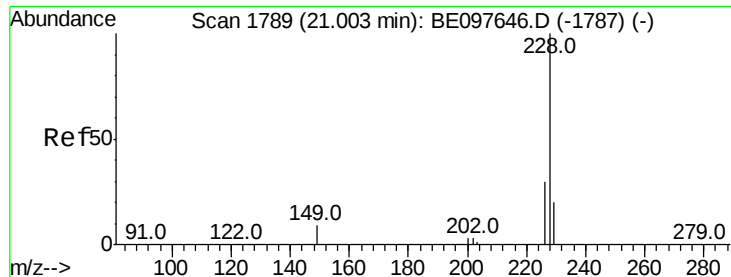


#30
 Benzo(a)anthracene
 Concen: 0.559 ng
 RT: 20.94 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BE097685.D
 Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	20.1	16.0	24.0

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: 0.468 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

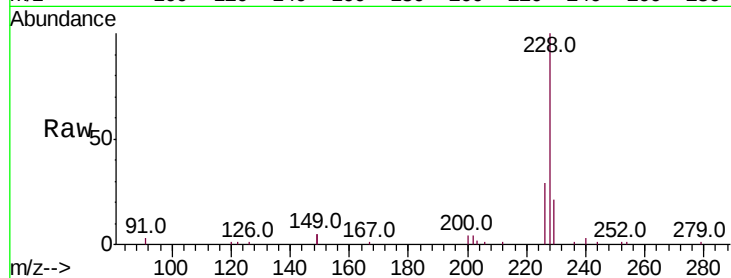
ClientSampleId :

SA-PZ123I1-20180914MSD

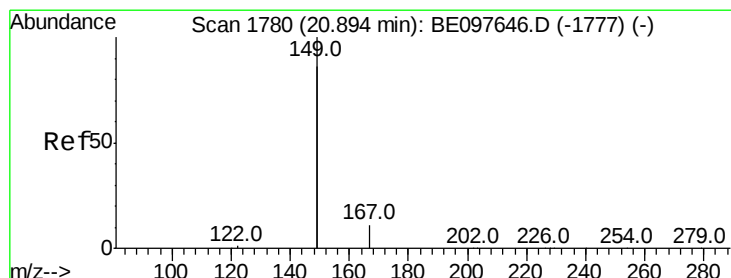
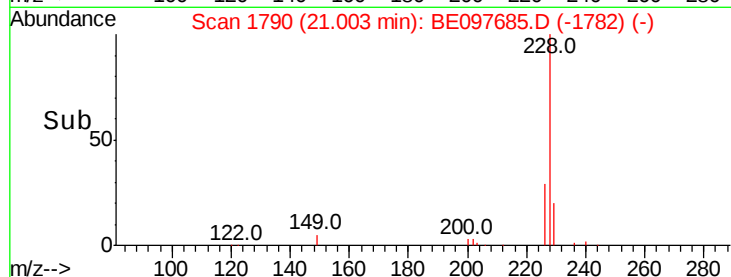
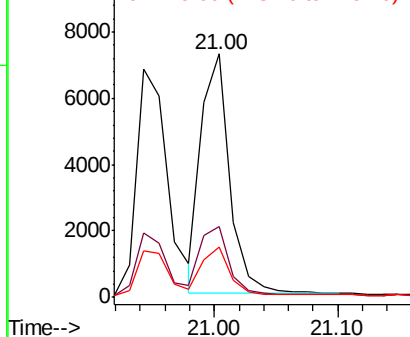
Tot Ion:	228	Resp:	11635
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.0	36.0
229	20.6	16.0	24.0

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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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.722 ng

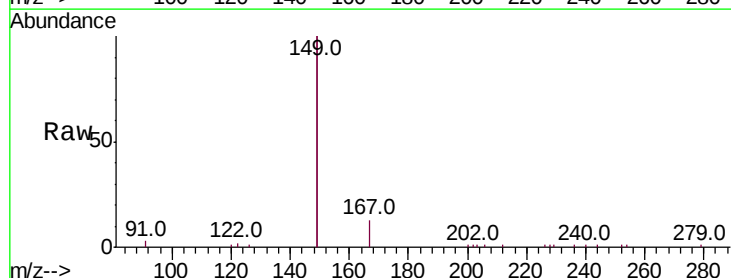
RT: 20.89 min Scan# 1781

Delta R.T. 0.00 min

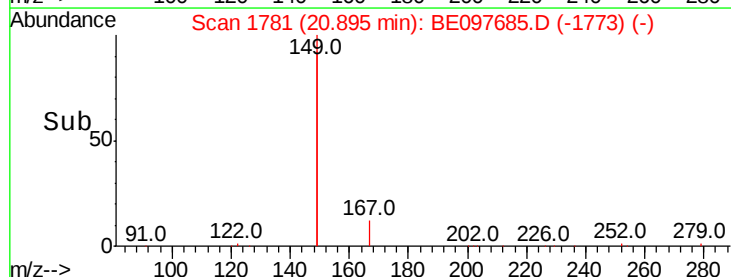
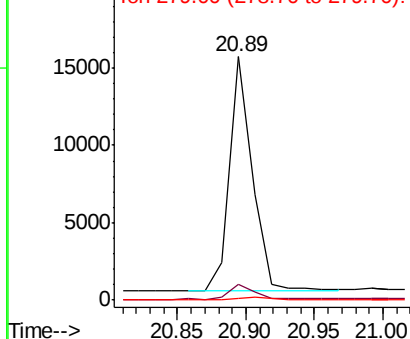
Lab File: BE097685.D

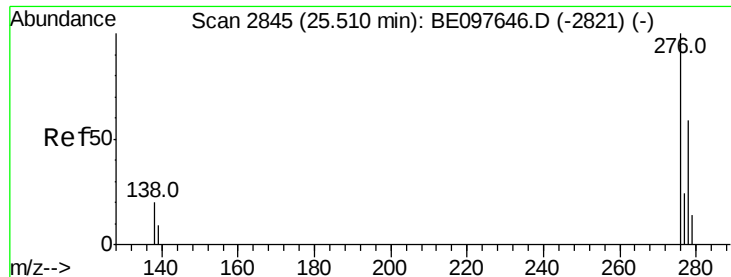
Acq: 26 Sep 2018 12:52

Tgt Ion:	149	Resp:	17548
Ion Ratio	Lower	Upper	
149	100		
167	6.8	5.4	8.0
279	1.0	0.7	1.1



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: 0.542 ng

RT: 25.50 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

ClientSampleId :

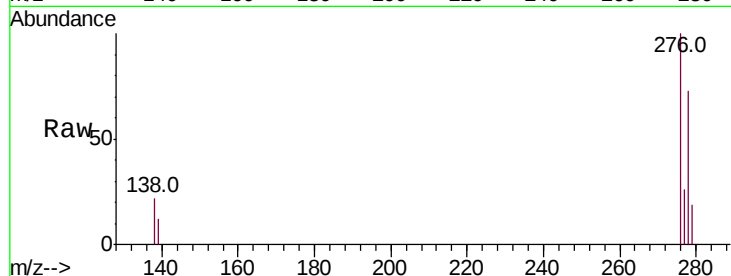
SA-PZ123I1-20180914MSD

Tot Ion:	276	Resp:	14207
Ion Ratio	Lower	Upper	
276	100		
138	21.1	22.5	33.7#
277	24.7	19.9	29.9

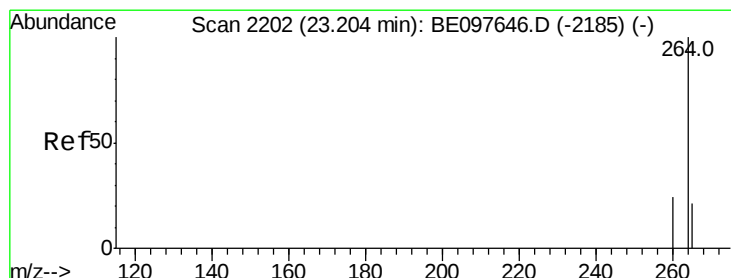
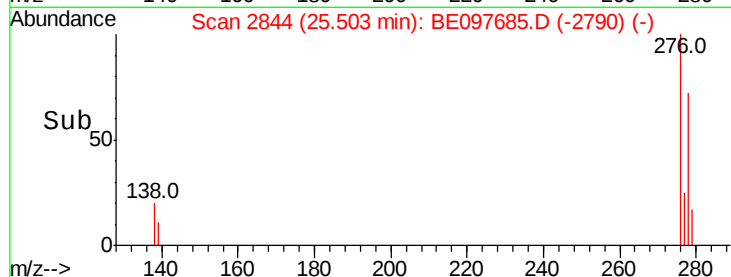
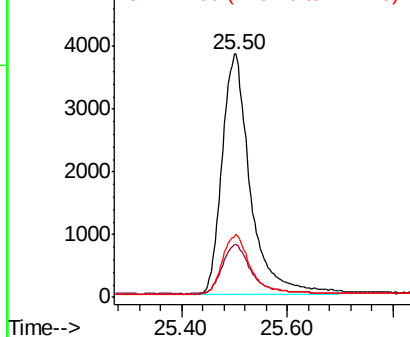
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2203

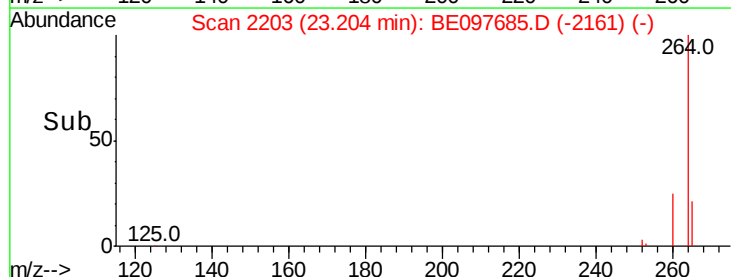
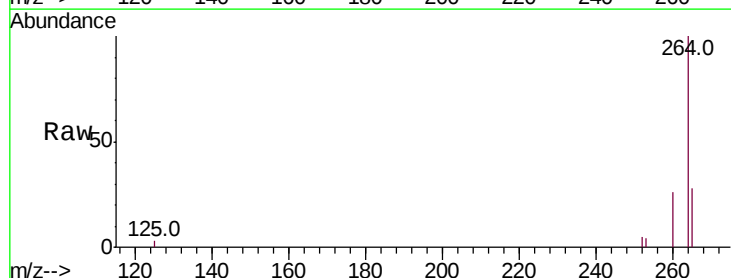
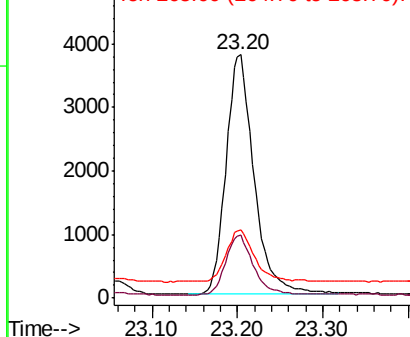
Delta R.T. 0.00 min

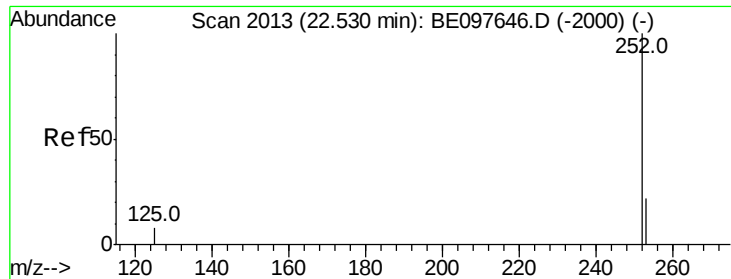
Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Tgt Ion:	264	Resp:	8635
Ion Ratio	Lower	Upper	
264	100		
260	25.9	20.5	30.7
265	28.0	22.8	34.2

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





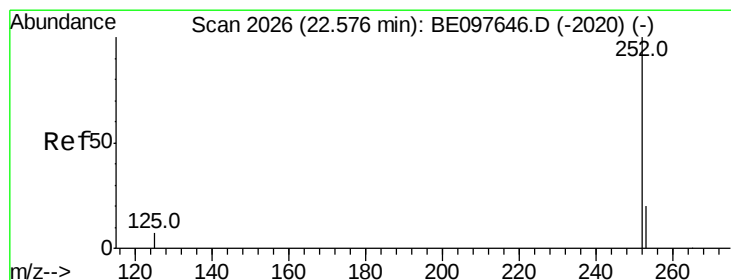
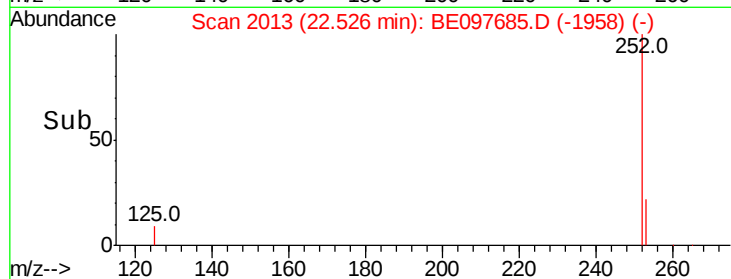
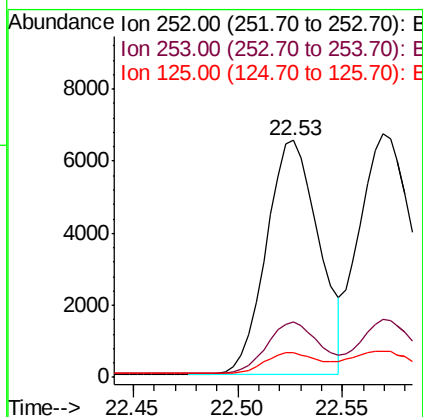
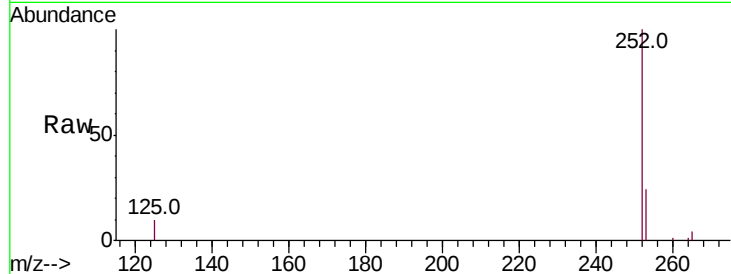
#35
Benzo(b)fluoranthene
Concen: 0.515 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.4	16.0	24.0

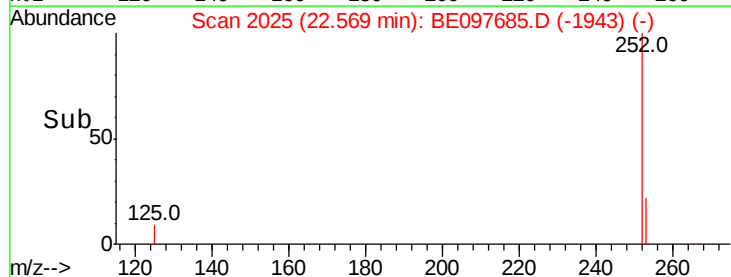
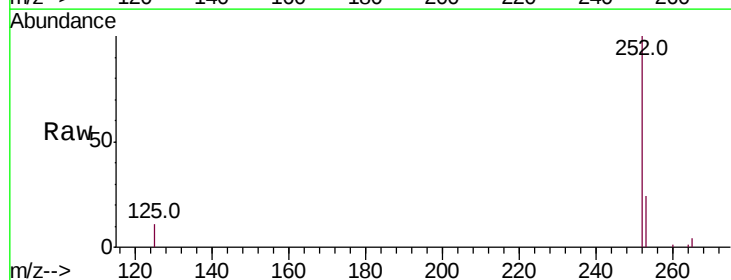
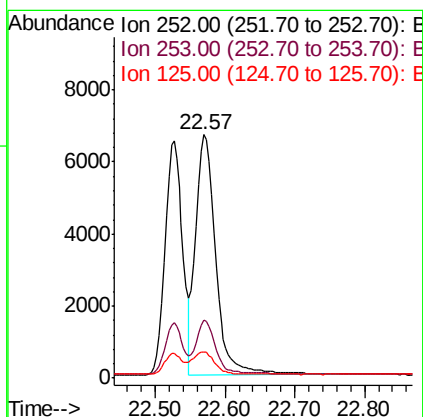
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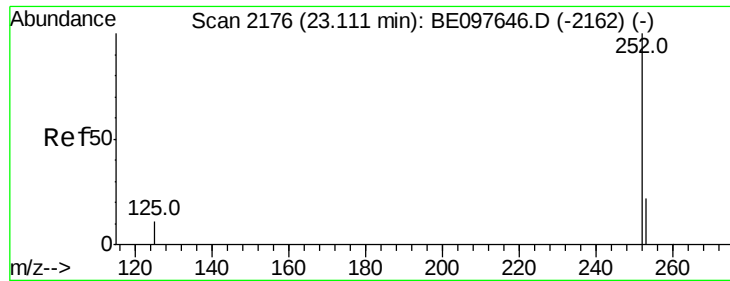
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#36
Benzo(k)fluoranthene
Concen: 0.505 ng
RT: 22.57 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.0	24.0
125	10.9	8.0	12.0





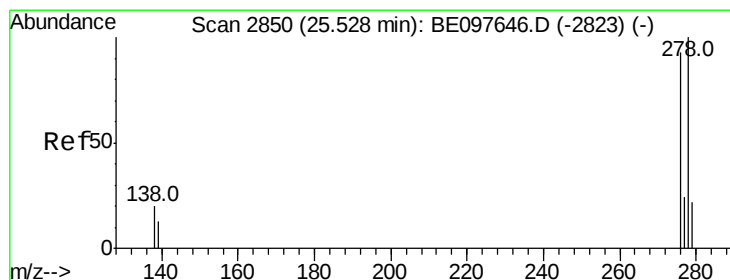
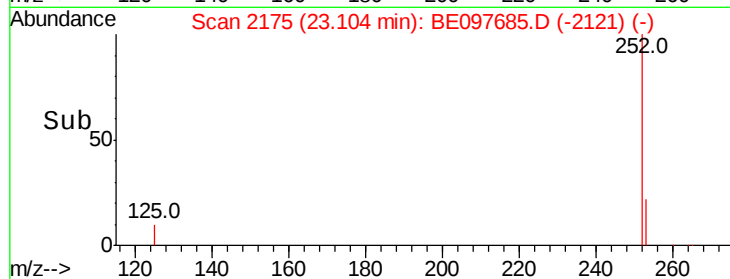
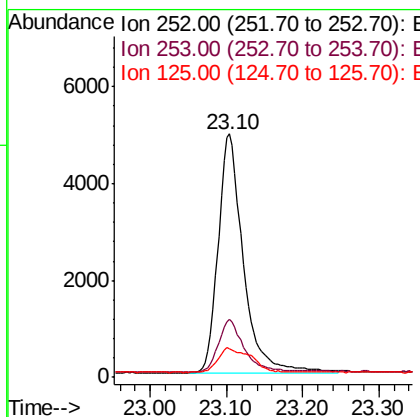
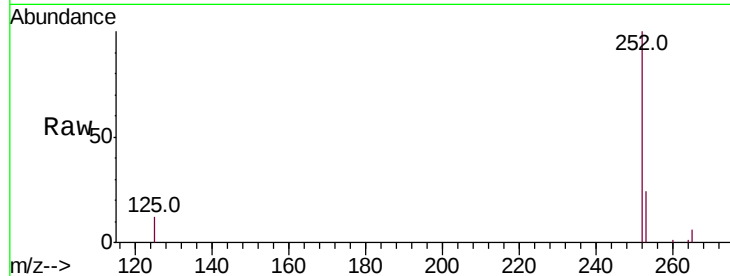
#37
Benzo(a)pyrene
Concen: 0.521 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	12.0	12.0	18.0

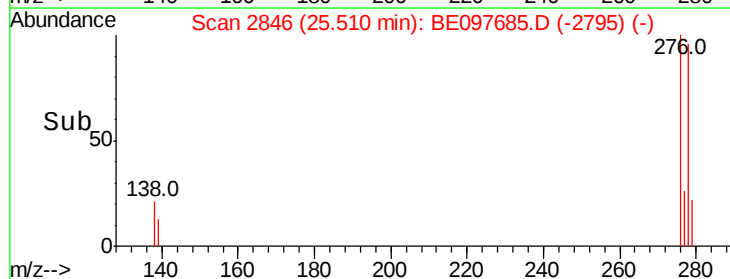
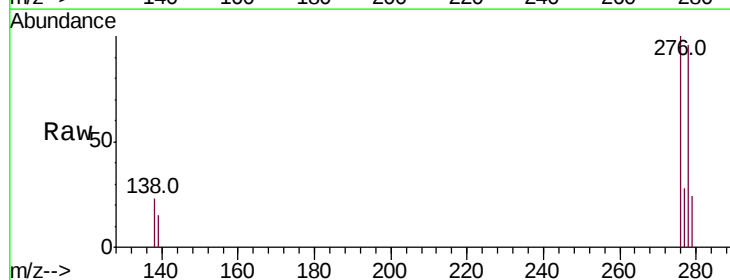
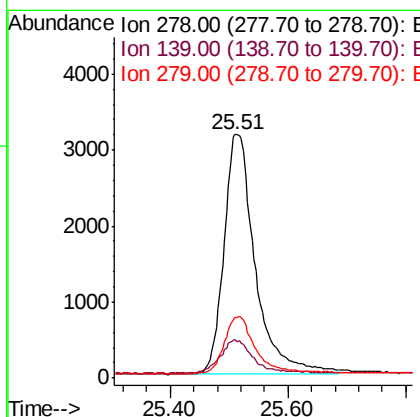
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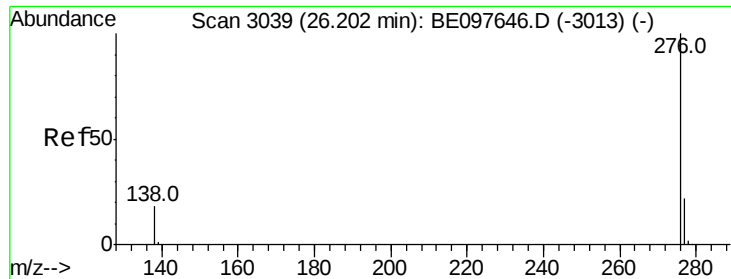
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#38
Dibenzo(a,h)anthracene
Concen: 0.508 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BE097685.D
Acq: 26 Sep 2018 12:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	16.0	24.0
279	25.1	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 0.509 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE097685.D

Acq: 26 Sep 2018 12:52

Instrument :

BNA_E

ClientSampleId :

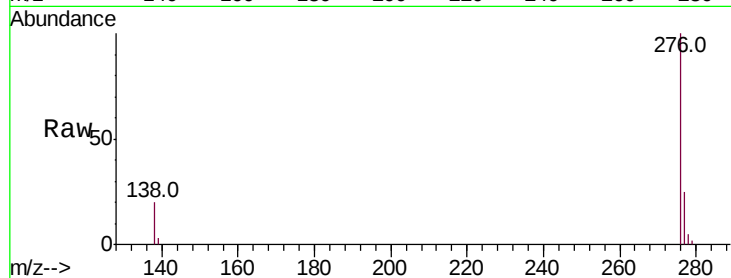
SA-PZ123I1-20180914MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	16.0	24.0#
138	20.2	20.0	30.0

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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

