

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100418\
 Data File : BE097740.D
 Acq On : 5 Oct 2018 00:07
 Operator : SJ/JU
 Sample : J5189-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

Manual Integrations
 APPROVED

Sohil
 10/5/2018 5:24:11 PM

Quant Time: Oct 05 08:23:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	3233	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	12924	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7033	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	19872	0.40	ng	0.00
27) Chrysene-d12	21.49	240	28767	0.40	ng	0.00
34) Perylene-d12	24.03	264	27243	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1682	0.22	ng	0.00
5) Phenol-d6	7.05	99	1325	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	3015	0.72	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	8429	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.05	330	735	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	14926	0.48	ng	-0.02
25) Fluoranthene-d10	19.33	212	125308	0.50	ng	0.00
29) Terphenyl-d14	19.93	244	26616	0.45	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.39	88	43539	6.759	ng	97
9) Naphthalene	10.74	128	3490	0.027	ng	# 92
12) 2-Methylnaphthalene	12.37	142	531	0.025	ng	# 94
23) Phenanthrene	17.34	178	1385m	0.027	ng	
26) Fluoranthene	19.36	202	2471	0.038	ng	# 94
28) Pyrene	19.72	202	2872	0.039	ng	98
30) Benzo(a)anthracene	21.46	228	3140	0.041	ng	93
31) Chrysene	21.52	228	3444	0.040	ng	96
32) Bis(2-ethylhexyl)phthalate	21.41	149	8525	0.151	ng	100
35) Benzo(b)fluoranthene	23.26	252	2099	0.028	ng	# 74
36) Benzo(k)fluoranthene	23.31	252	1742	0.021	ng	# 66

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

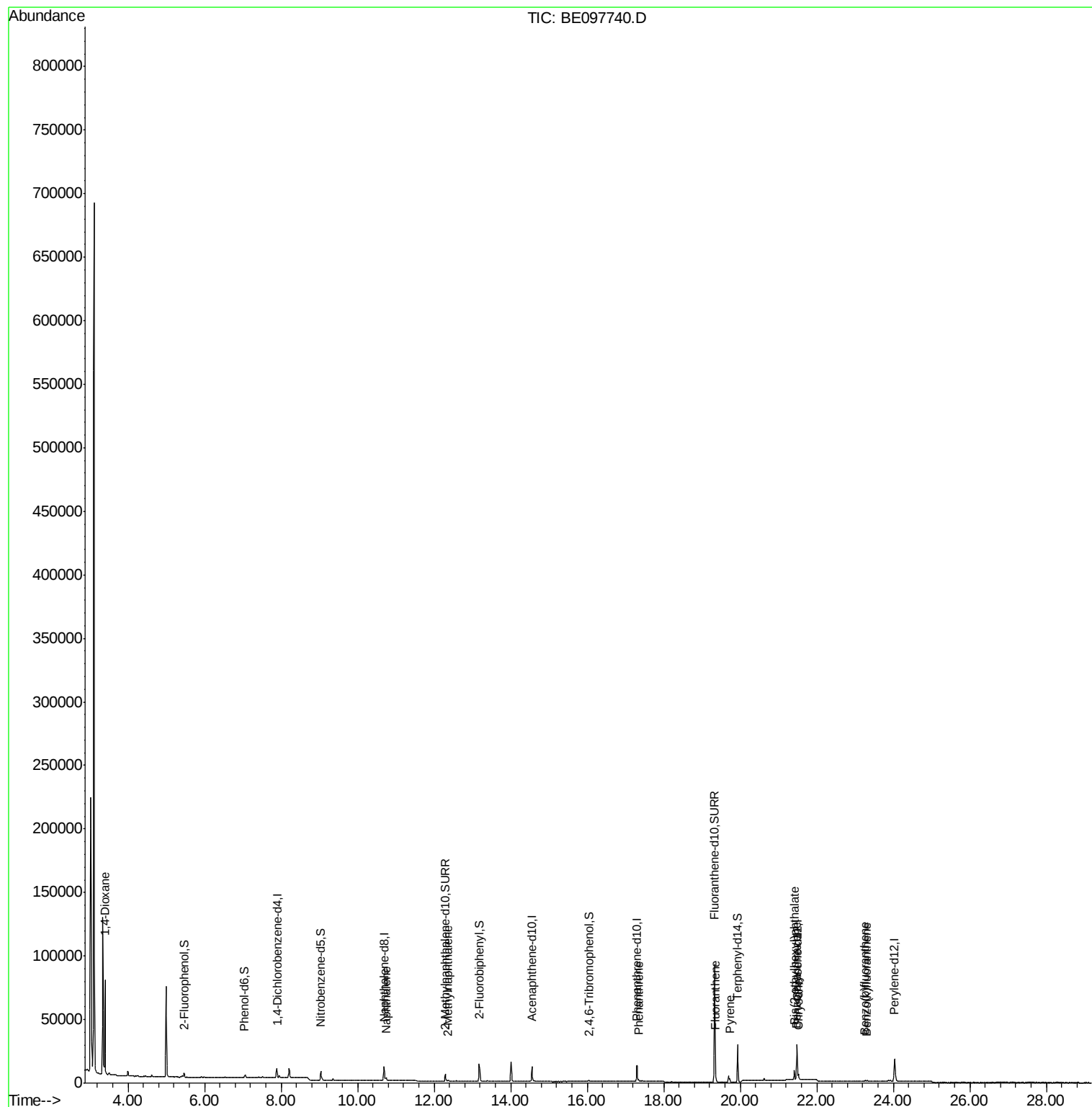
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100418\
Data File : BE097740.D
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Operator : SJ/JU
Sample : J5189-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

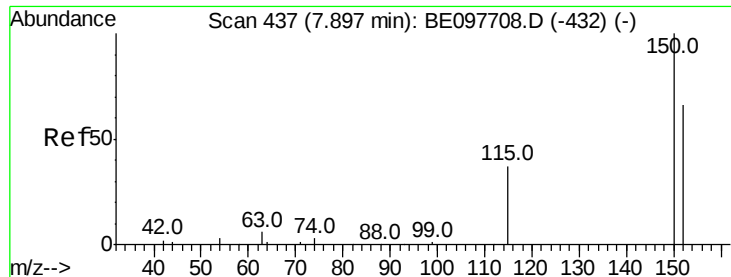
Instrument :
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QLast Update : Wed Oct 03 12:17:19 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 437

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

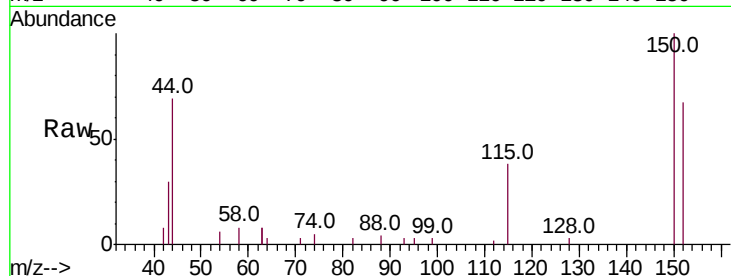
ClientSampleId :

RE-131D2-20180927

Tot Ion:	152	Resp:	3233
Ion	Ratio	Lower	Upper
152	100		
150	149.1	120.9	181.3
115	56.0	46.6	69.8

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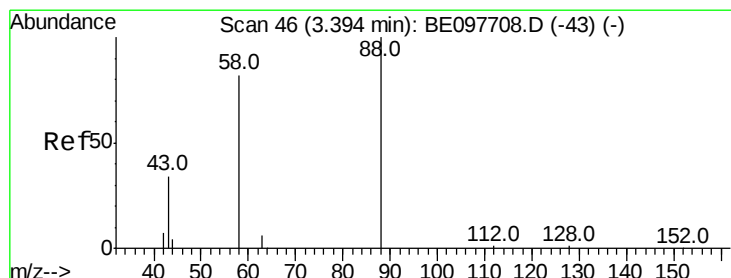
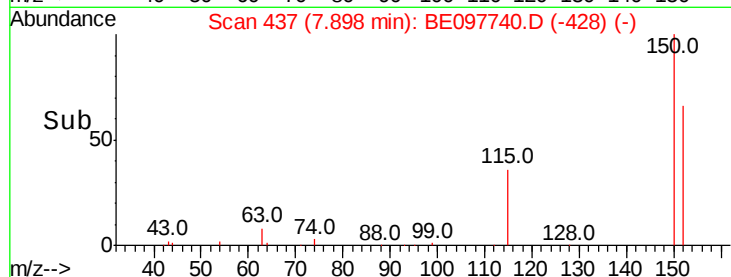
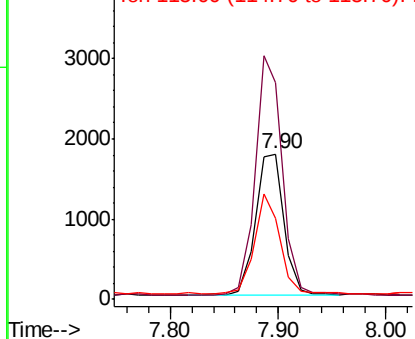


Abundance

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



#2

1,4-Dioxane

Concen: 6.759 ng

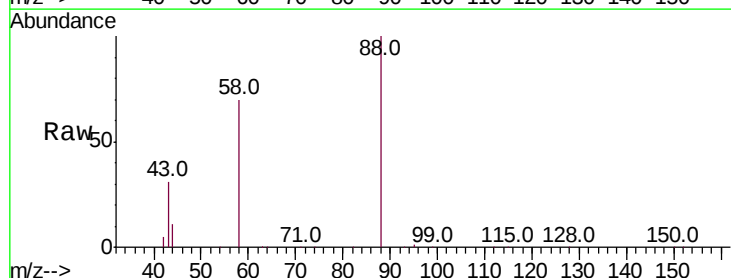
RT: 3.39 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion:	88	Resp:	43539
Ion	Ratio	Lower	Upper
88	100		
58	86.5	70.8	106.2
43	37.9	33.3	49.9

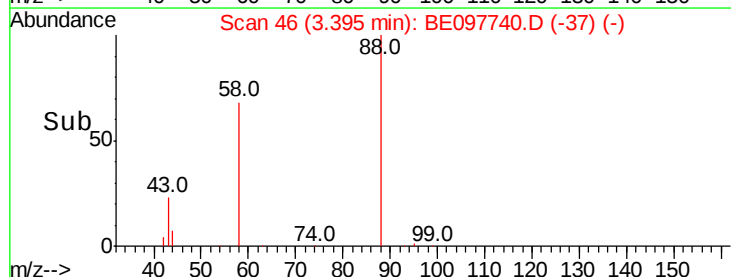
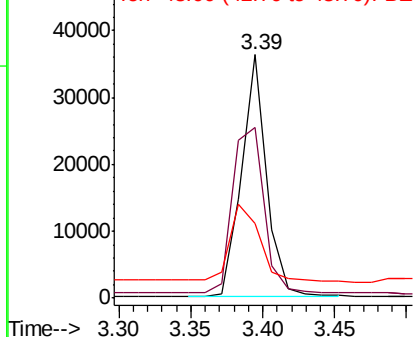


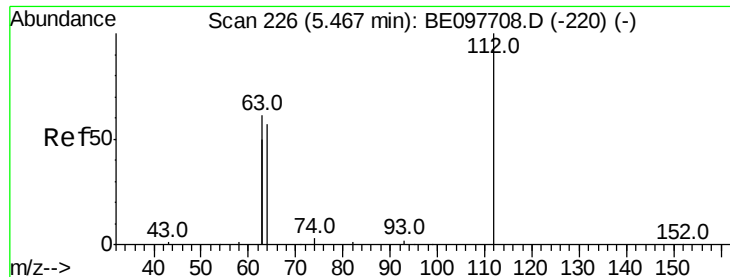
Abundance

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





#4

2-Fluorophenol

Concen: 0.220 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

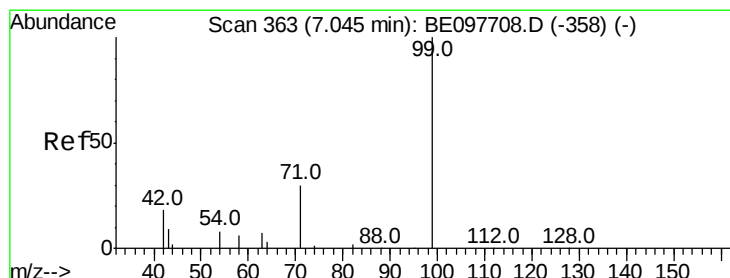
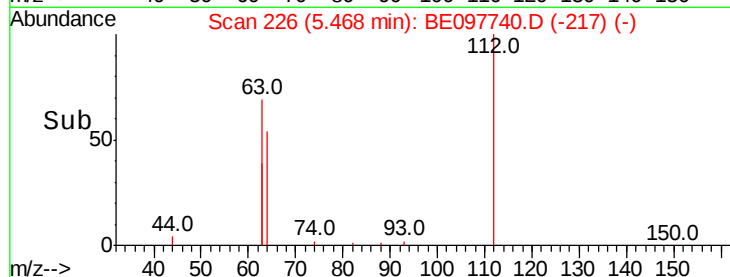
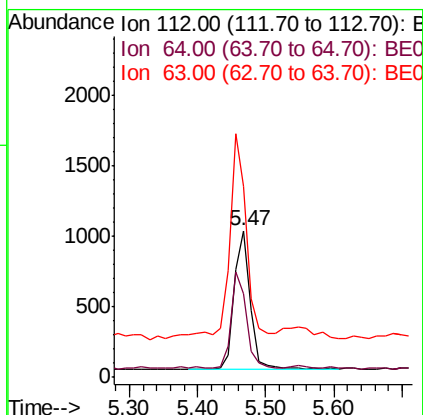
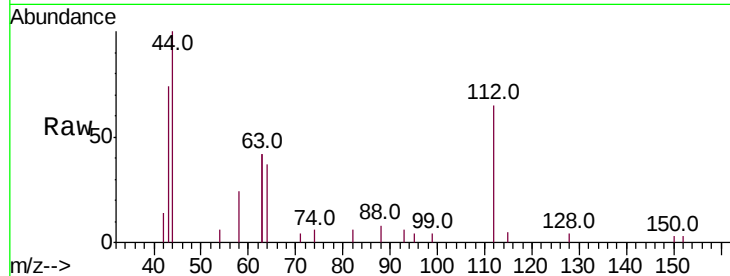
ClientSampleId :

RE-131D2-20180927

Tot Ion:	112	Resp:	1682
Ion Ratio	Lower	Upper	
112	100		
64	65.5	56.6	84.8
63	138.2	119.4	179.0

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#5

Phenol-d6

Concen: 0.113 ng

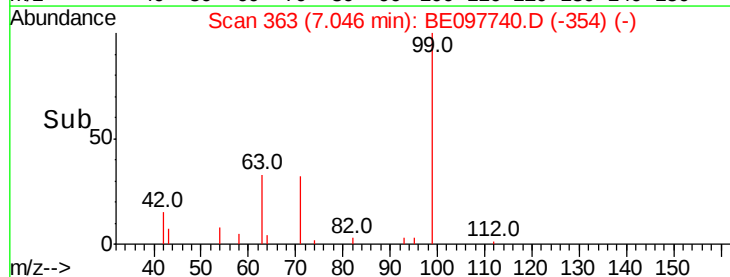
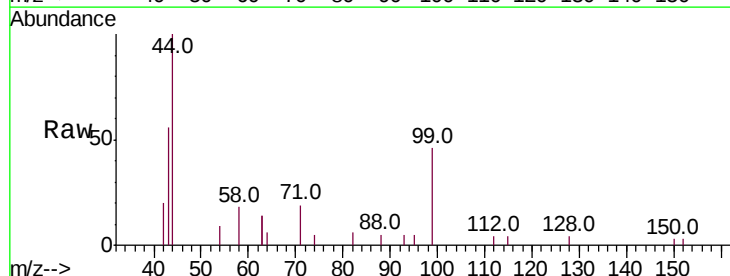
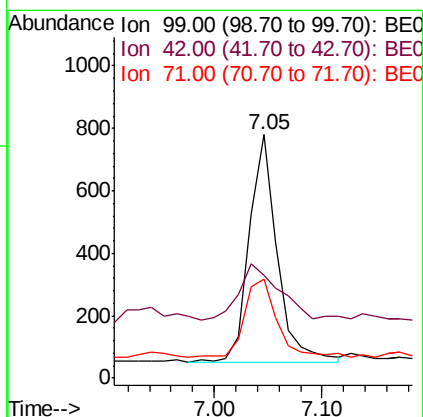
RT: 7.05 min Scan# 363

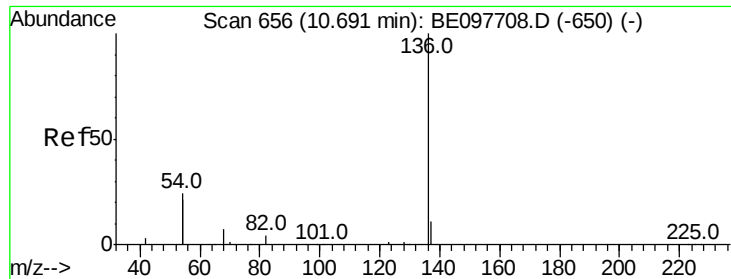
Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion:	99	Resp:	1325
Ion Ratio	Lower	Upper	
99	100		
42	35.2	19.9	29.9#
71	39.2	25.4	38.2#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

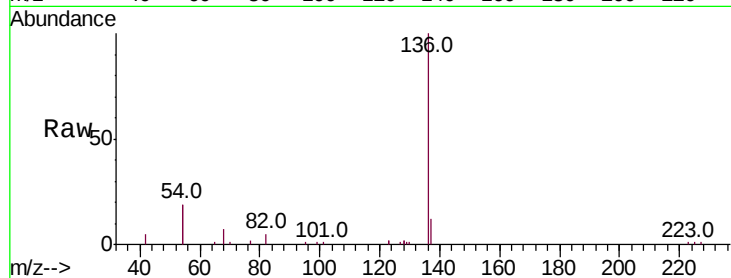
ClientSampleId :

RE-131D2-20180927

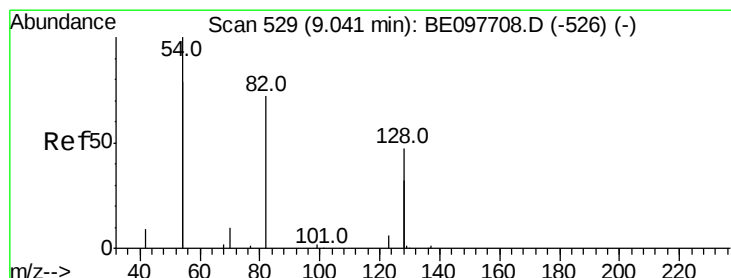
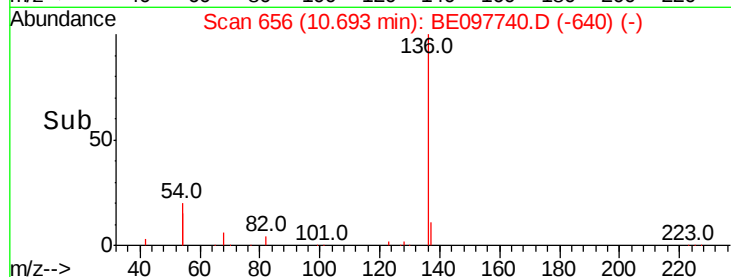
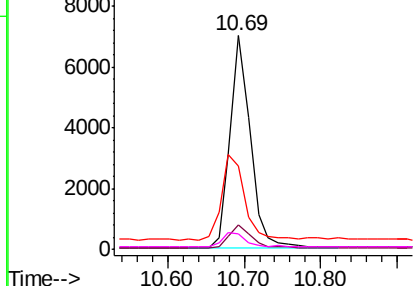
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.4
54	38.7	37.8	56.6
68	7.5	6.4	9.6

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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: 0.719 ng

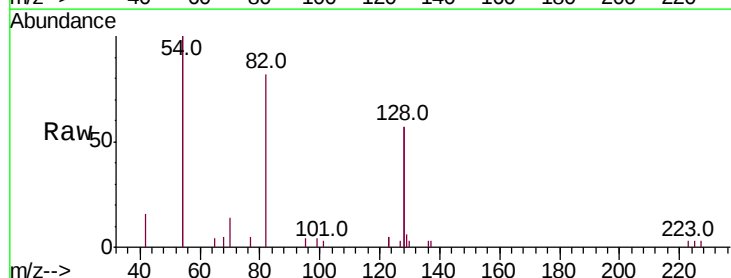
RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

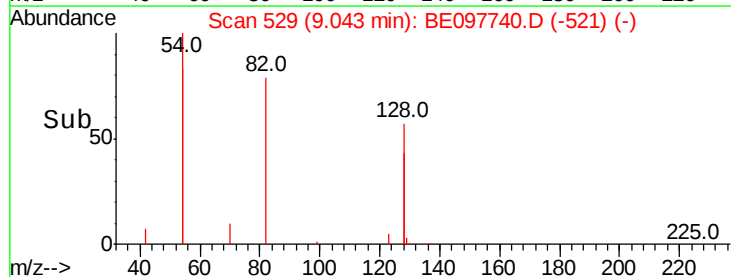
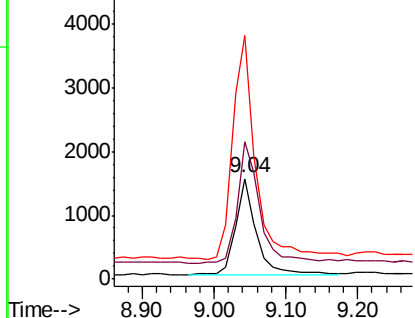
Lab File: BE097740.D

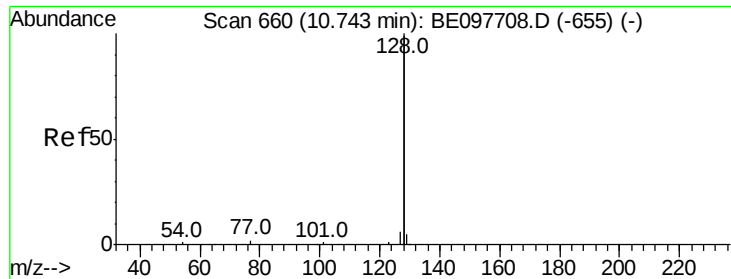
Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Lower	Upper
82	100		
128	137.5	97.0	145.4
54	242.7	206.9	310.3



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: 0.027 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

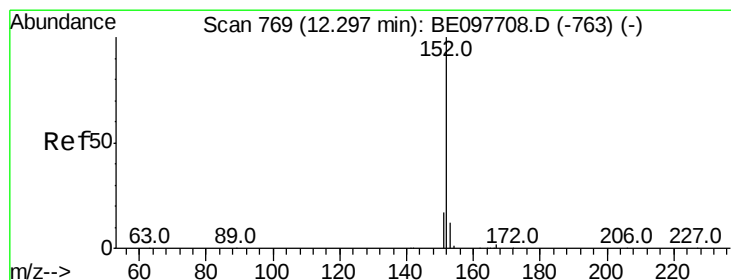
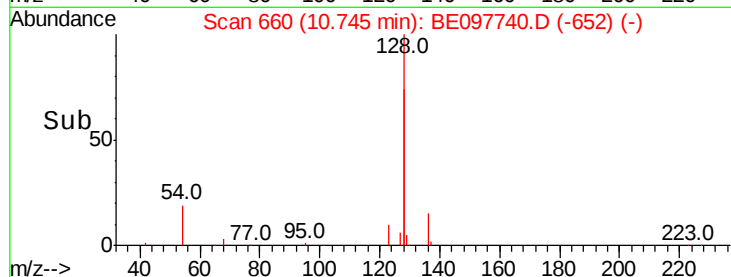
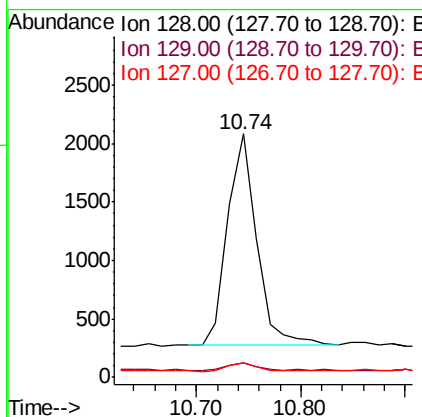
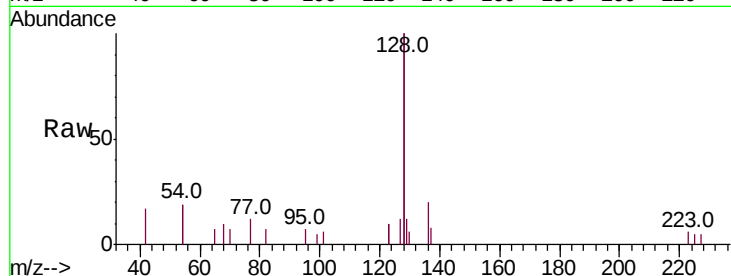
ClientSampleId :

RE-131D2-20180927

Tot Ion:	128	Resp:	3490
Ion Ratio	Lower	Upper	
128	100		
129	5.8	2.2	3.2#
127	5.8	2.7	4.1#

Manual Integrations
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#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

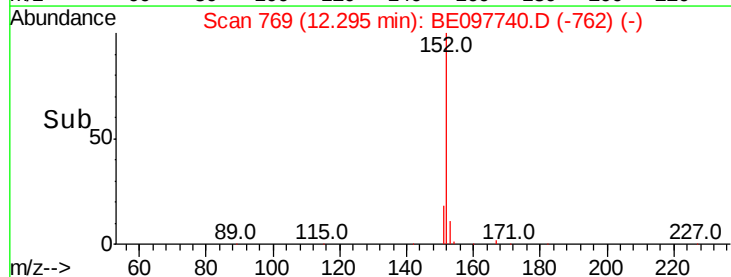
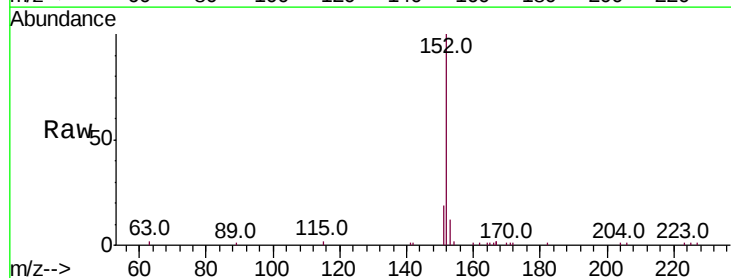
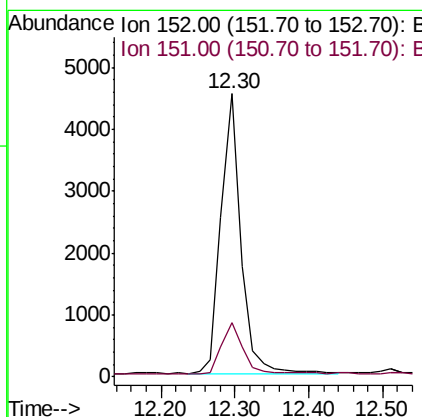
RT: 12.30 min Scan# 769

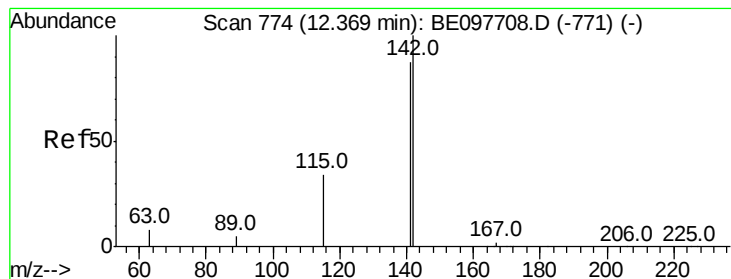
Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion:	152	Resp:	8429
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.4	23.2





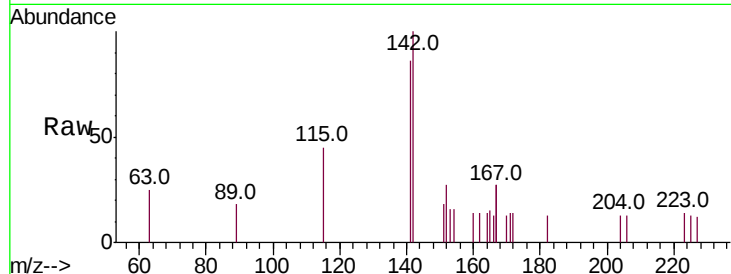
#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.4	104.2
115	45.4	28.0	42.0

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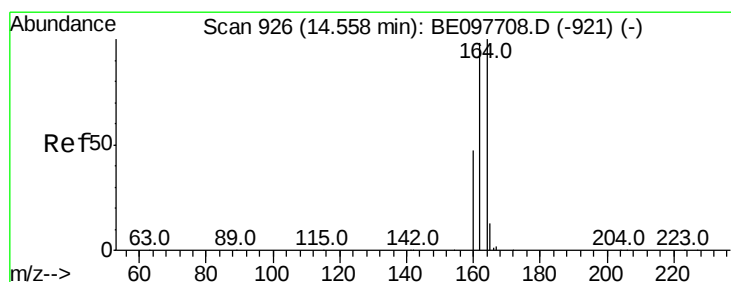
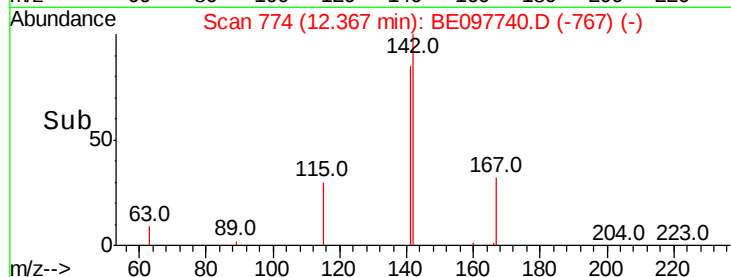
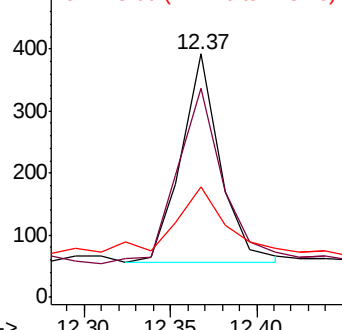


Abundance

Ion 142.00 (141.70 to 142.70): E

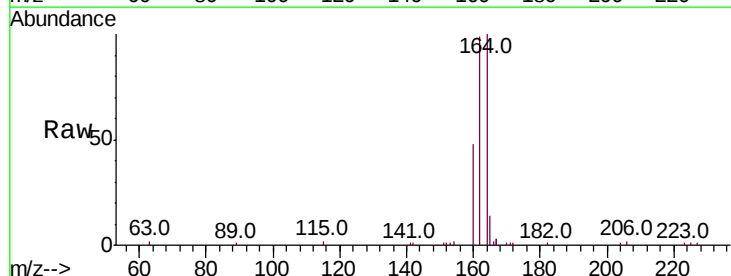
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.6	117.8
160	47.9	37.8	56.6

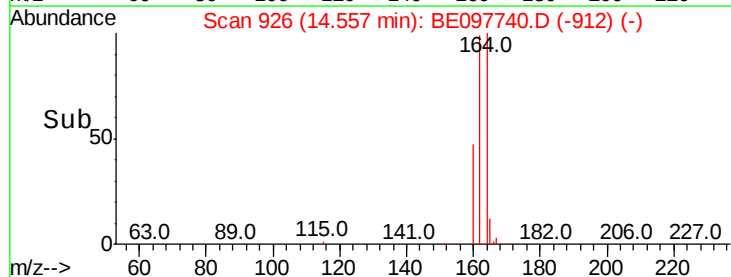
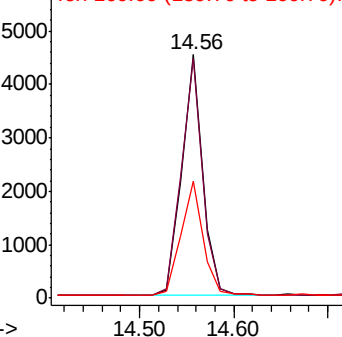


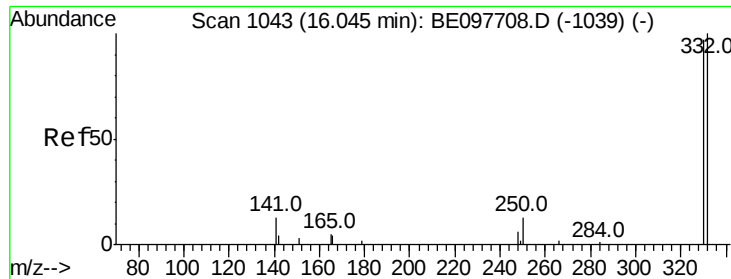
Abundance

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





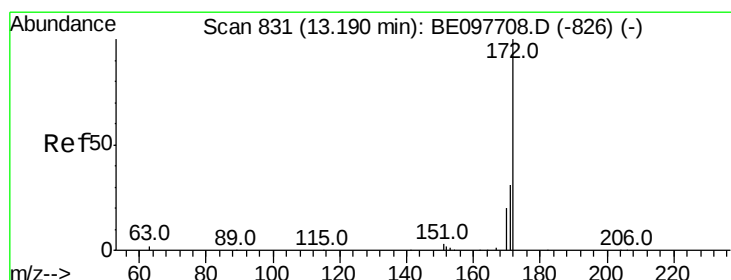
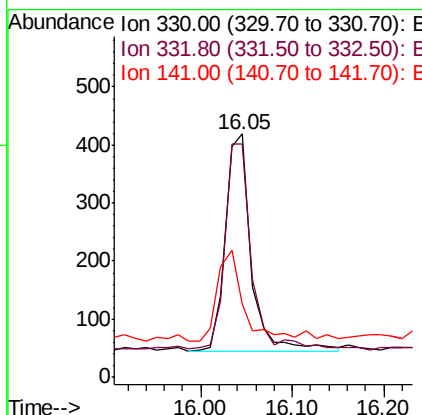
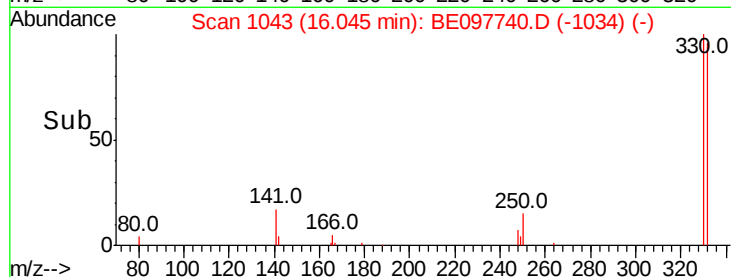
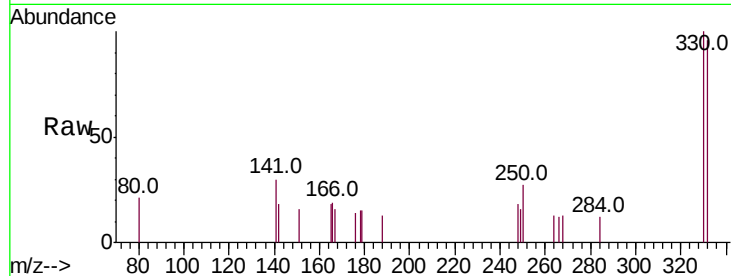
#14
 2,4,6-Tribromophenol
 Concen: 0.577 ng
 RT: 16.05 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.0	83.5	125.3
141	41.8	34.9	52.3

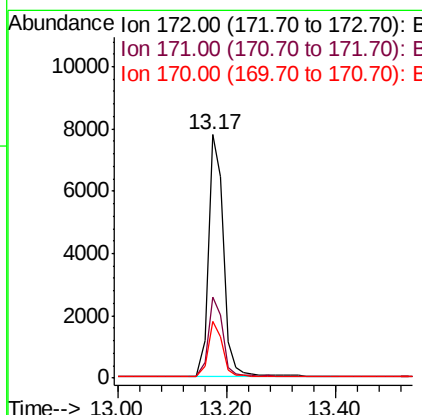
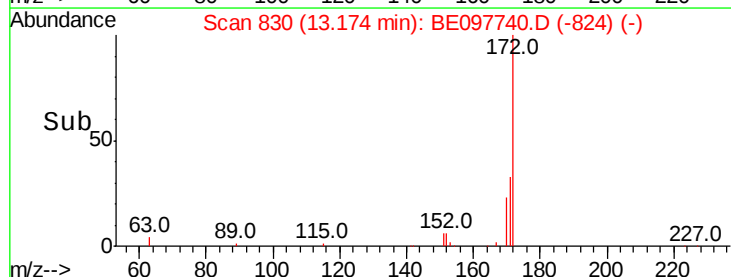
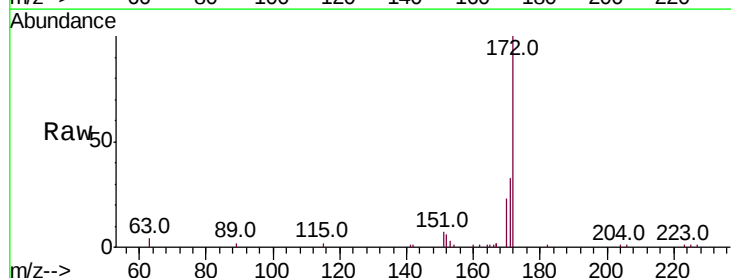
Manual Integrations
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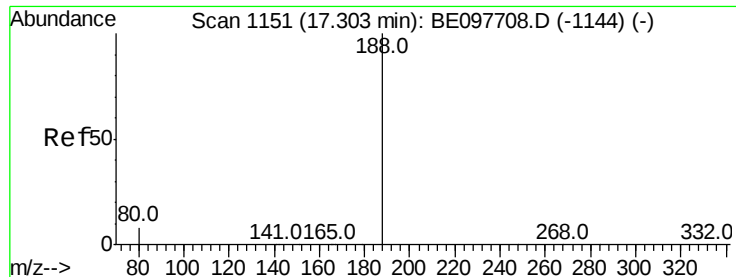
Sohil
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#15
 2-Fluorobiphenyl
 Concen: 0.482 ng
 RT: 13.17 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	25.2	37.8
170	23.4	16.2	24.2





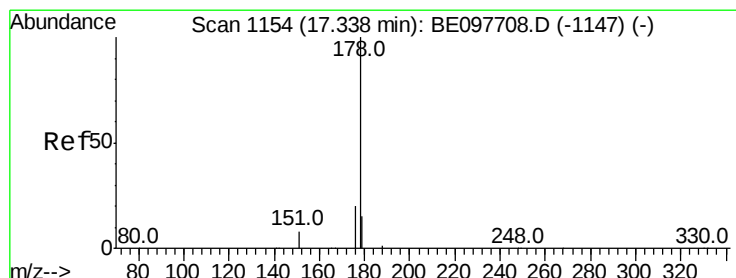
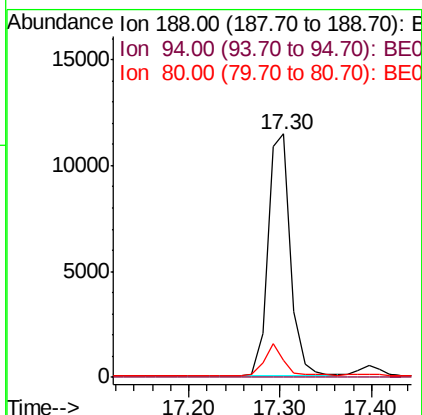
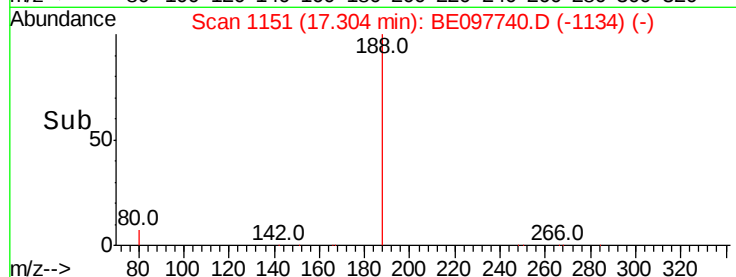
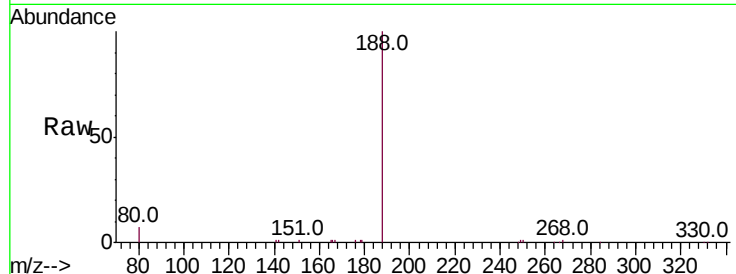
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	6.6	9.8

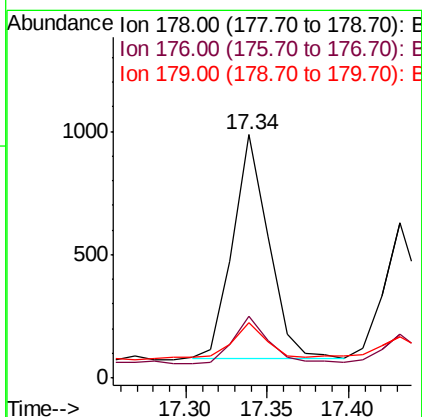
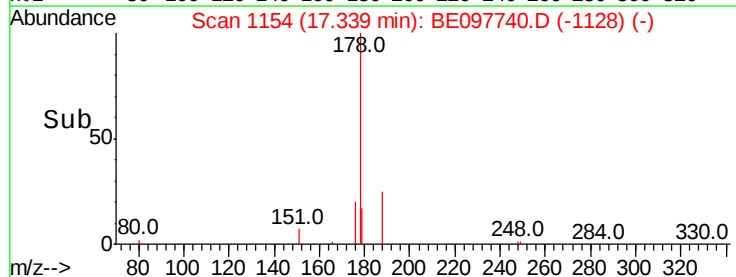
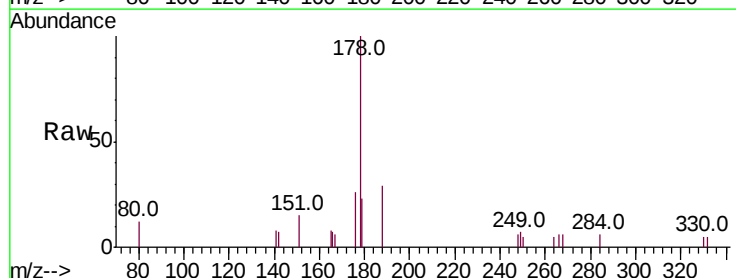
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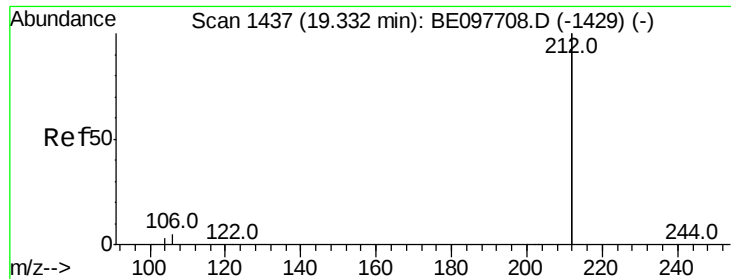
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#23
Phenanthrene
Concen: 0.027 ng m
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	14.0	15.4	23.2#
179	11.2	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.498 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

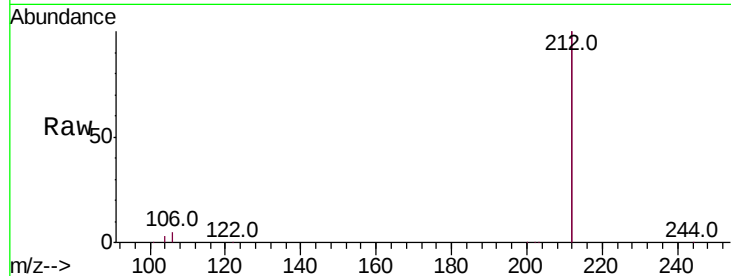
ClientSampleId :

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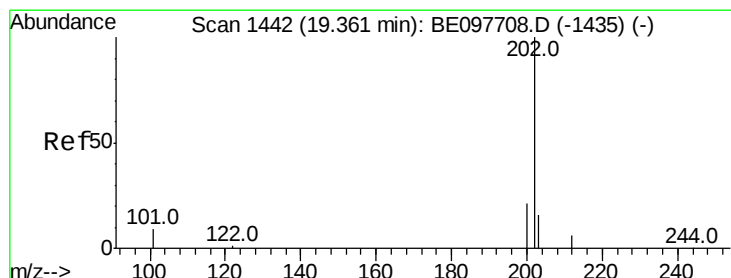
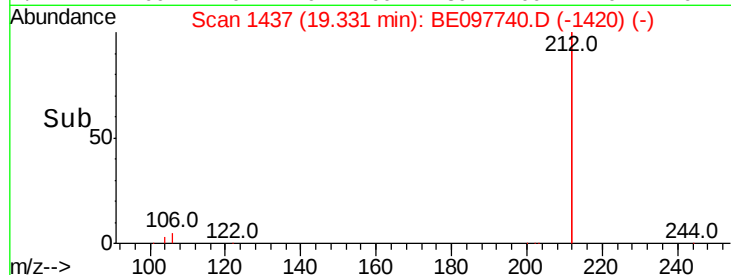
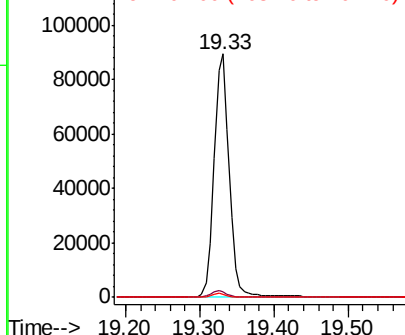
Tot Ion:	212	Resp:	125308
Ion Ratio	Lower	Upper	
212	100		
106	2.7	2.2	3.2
104	1.5	1.2	1.8

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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: 0.038 ng

RT: 19.36 min Scan# 1442

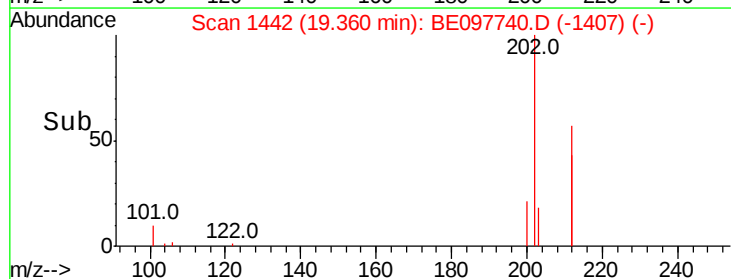
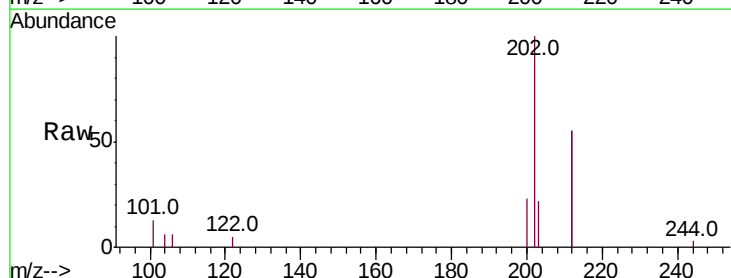
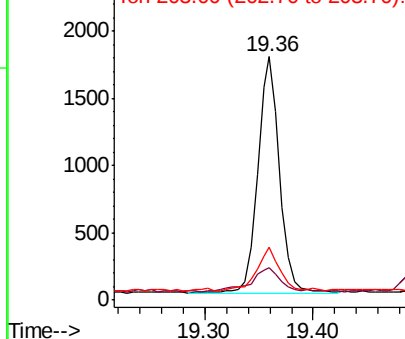
Delta R.T. -0.00 min

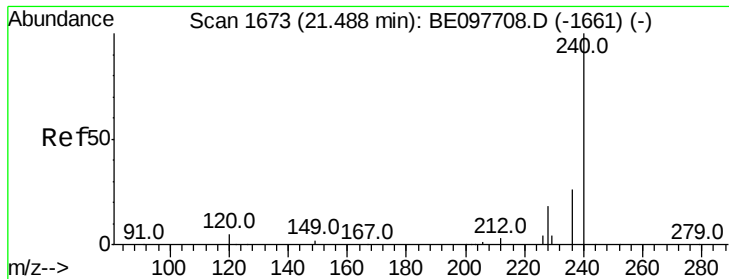
Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion:	202	Resp:	2471
Ion Ratio	Lower	Upper	
202	100		
101	13.8	7.8	11.8#
203	18.5	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: 21.49 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

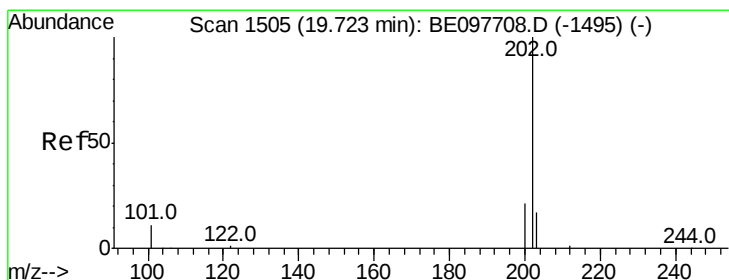
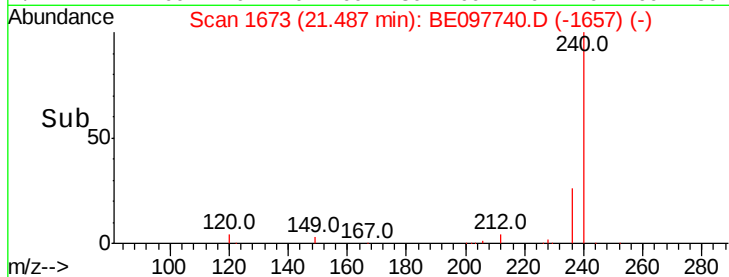
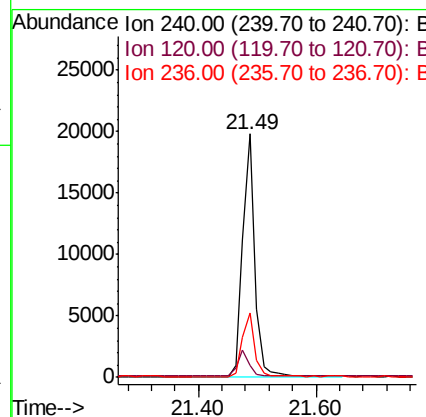
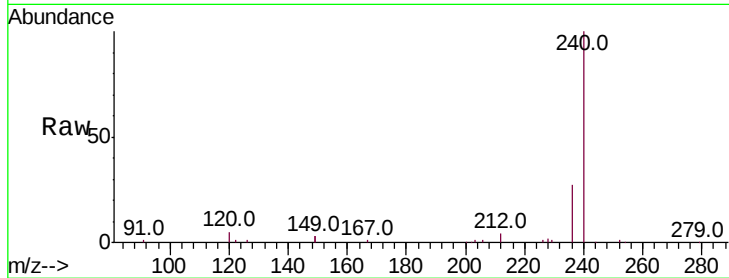
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.7	7.1
236	26.6	20.8	31.2

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#28

Pyrene

Concen: 0.039 ng

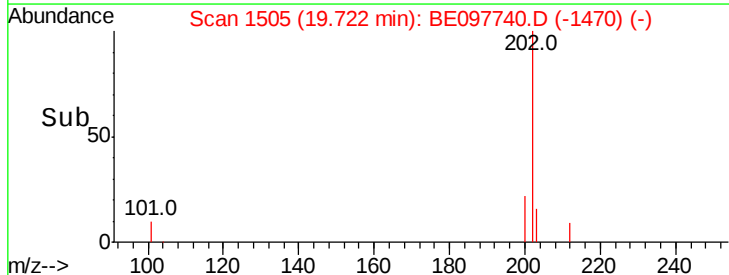
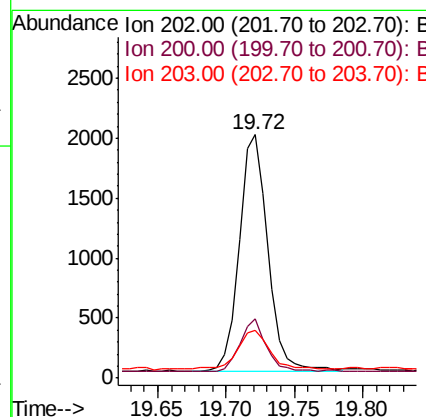
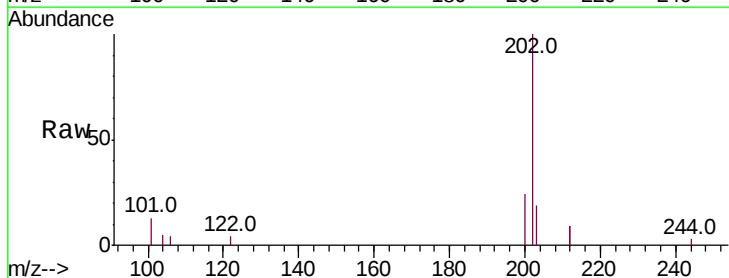
RT: 19.72 min Scan# 1505

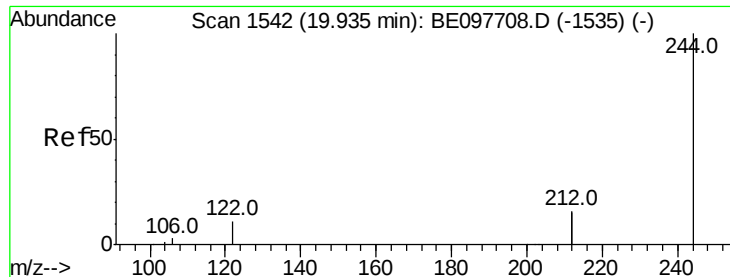
Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.7	25.1
203	18.0	13.9	20.9





#29

Terphenyl-d14

Concen: 0.453 ng

RT: 19.93 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

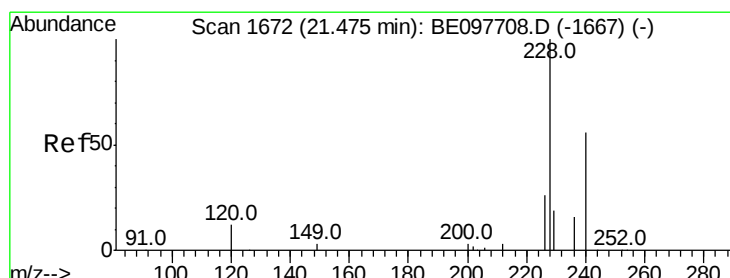
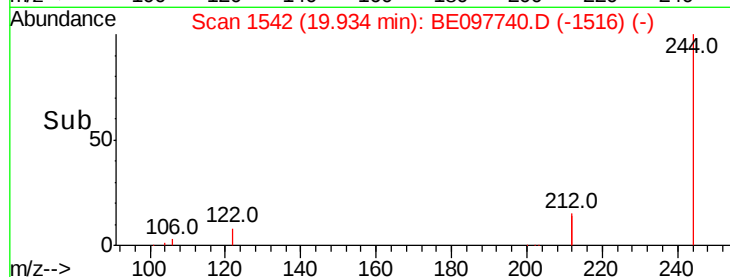
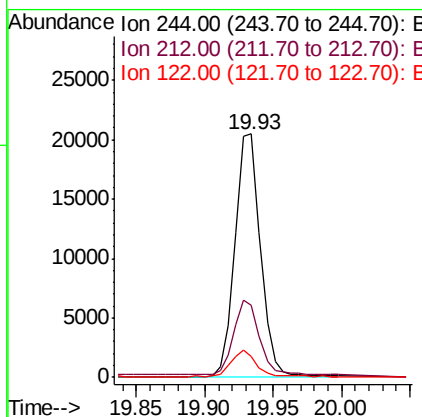
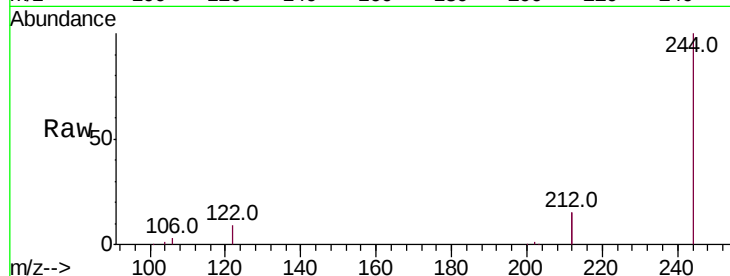
ClientSampleId :

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Tot Ion:	244	Resp:	26616
Ion Ratio	Lower	Upper	
244	100		
212	29.8	25.8	38.8
122	8.7	8.7	13.1

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#30

Benzo(a)anthracene

Concen: 0.041 ng

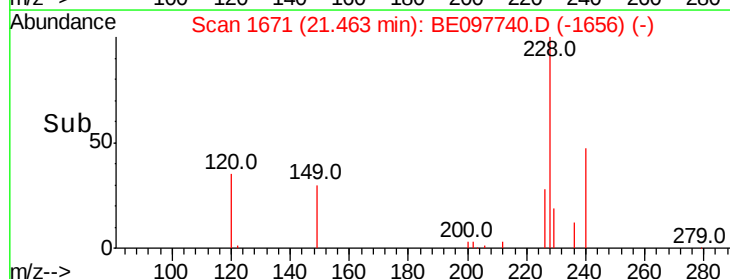
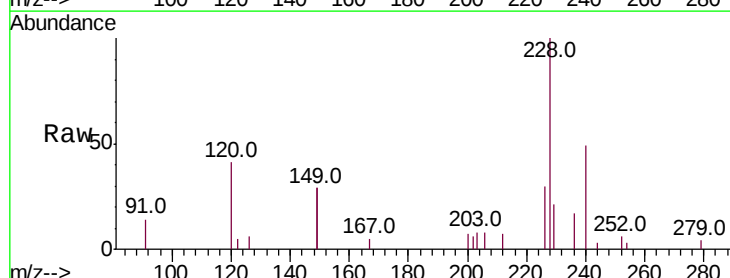
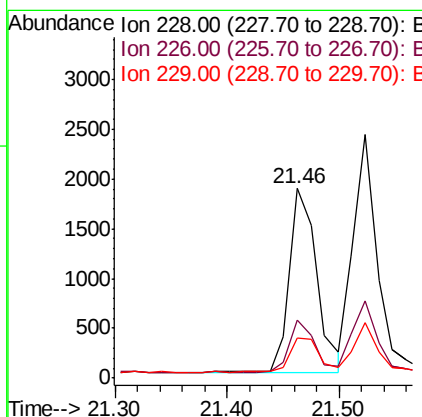
RT: 21.46 min Scan# 1671

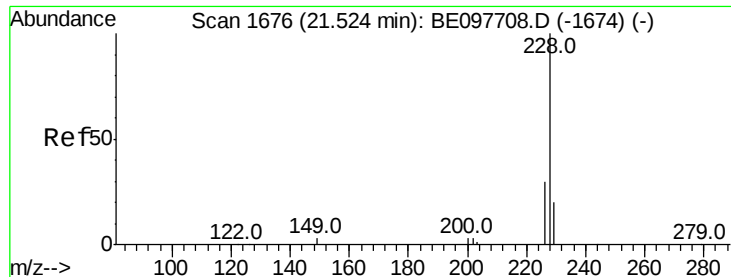
Delta R.T. -0.01 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Tgt Ion:	228	Resp:	3140
Ion Ratio	Lower	Upper	
228	100		
226	30.4	20.7	31.1
229	21.3	15.7	23.5





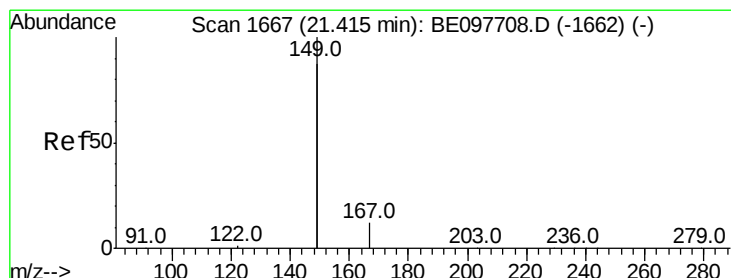
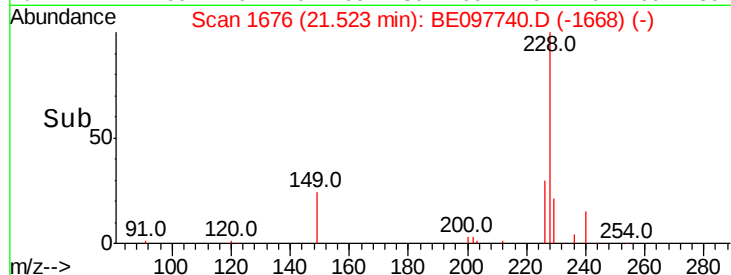
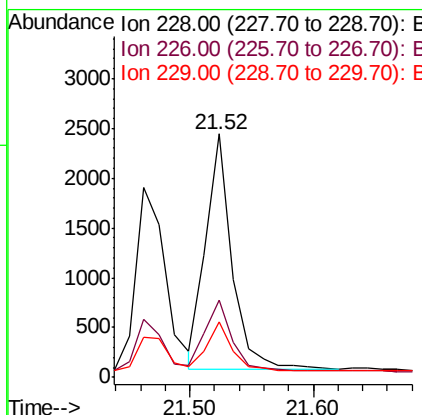
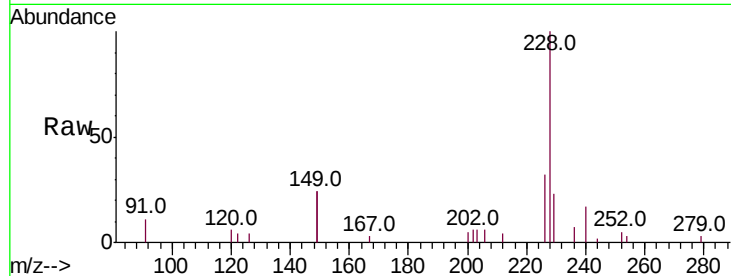
#31
Chrysene
Concen: 0.040 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tot Ion:228	Resp:	3444
Ion Ratio	Lower	Upper
228 100		
226 31.8	24.3	36.5
229 22.8	16.0	24.0

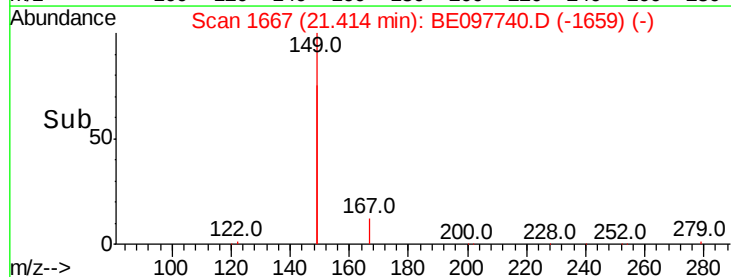
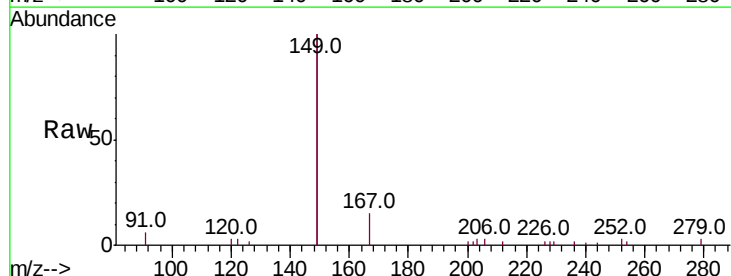
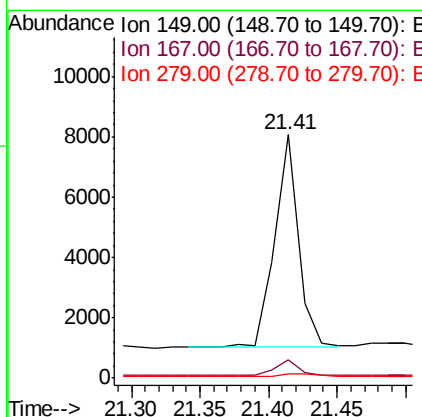
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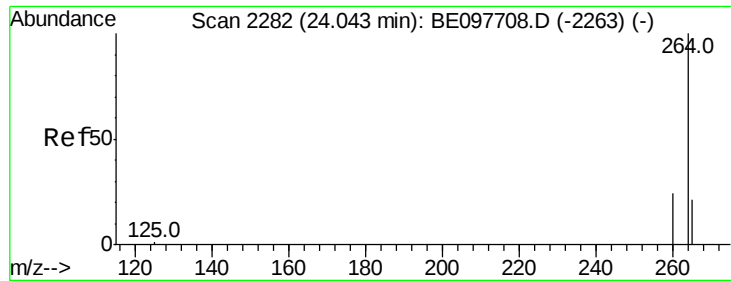
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.151 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Tgt Ion:149	Resp:	8525
Ion Ratio	Lower	Upper
149 100		
167 6.9	5.5	8.3
279 1.1	0.9	1.3





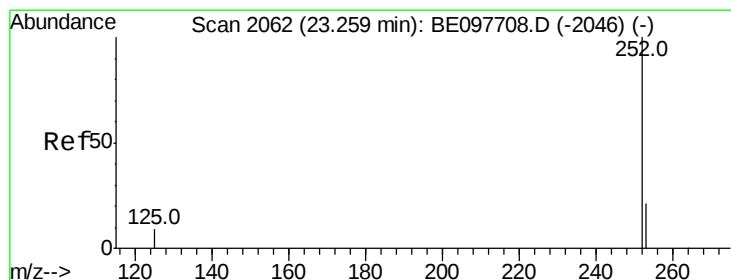
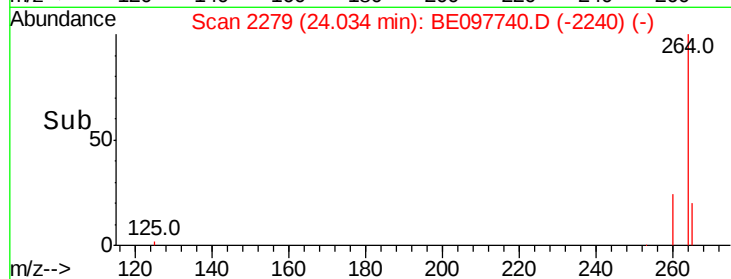
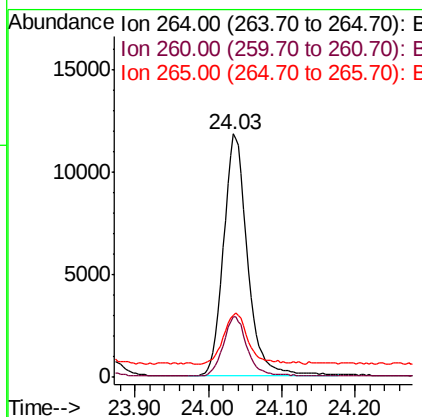
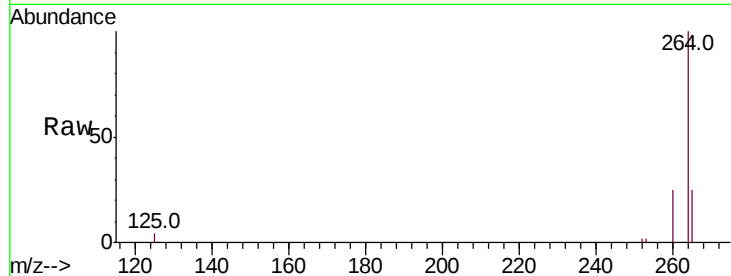
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.1	28.7
265	25.4	21.9	32.9

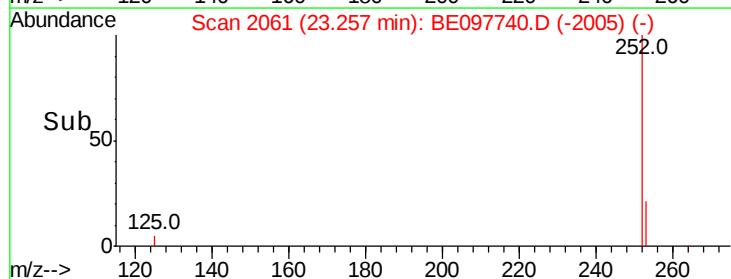
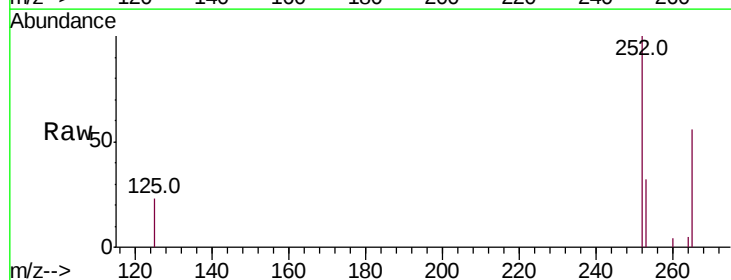
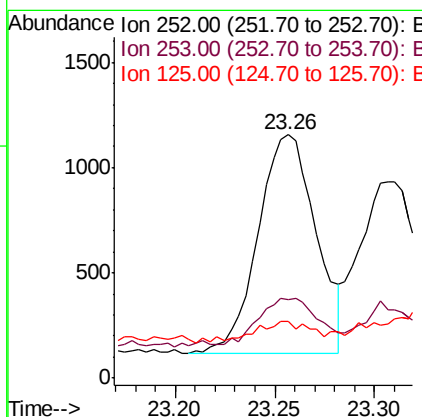
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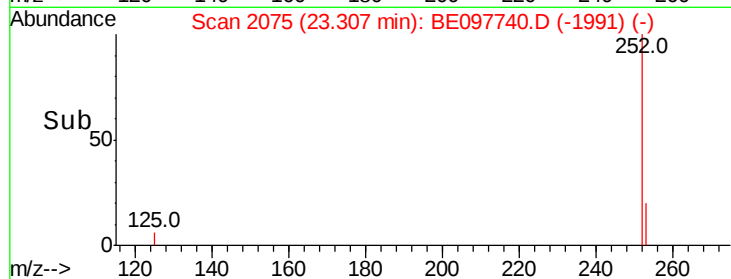
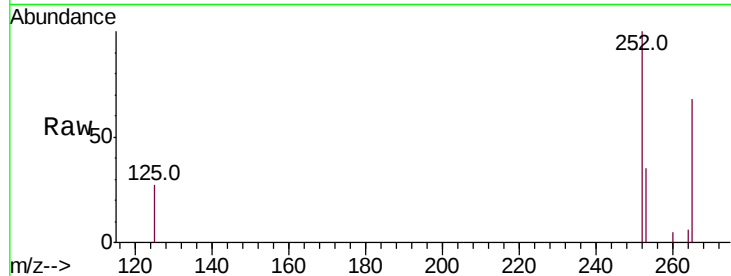
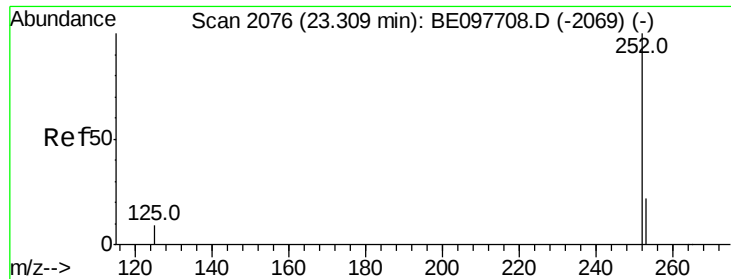
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#35
 Benzo(b)fluoranthene
 Concen: 0.028 ng
 RT: 23.26 min Scan# 2061
 Delta R.T. -0.00 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.5	26.3#
125	23.2	7.8	11.8#





#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 23.31 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.7	17.5	26.3#
125	27.3	7.5	11.3#

Manual Integrations
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