

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097077.D
 Acq On : 24 Jul 2018 18:27
 Operator : SJ/JU
 Sample : J4073-19MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MSD

Manual Integrations
 APPROVED

Sohil
 7/25/2018 2:39:17 PM

Quant Time: Jul 25 00:56:14 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 24 13:24:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1283	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5774	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3345	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	9793	0.40	ng	0.00
27) Chrysene-d12	20.97	240	12118	0.40	ng	-0.01
34) Perylene-d12	23.21	264	11280	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.05	112	507	0.14	ng	0.00
5) Phenol-d6	6.60	99	416	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	2057	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3629	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	404	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5399	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	48065	0.49	ng	0.00
29) Terphenyl-d14	19.43	244	9980	0.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.10	88	341	0.167	ng	# 70
3) n-Nitrosodimethylamine	3.37	42	341	0.150	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	1692	0.350	ng	95
9) Naphthalene	10.20	128	22017	0.425	ng	100
10) Hexachlorobutadiene	10.48	225	809	0.348	ng	98
12) 2-Methylnaphthalene	11.80	142	3630	0.408	ng	99
16) Acenaphthylene	13.73	152	5796	0.386	ng	99
17) Acenaphthene	14.08	154	3382	0.388	ng	93
18) Fluorene	15.08	166	4707	0.408	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1646	0.346	ng	# 89
21) Hexachlorobenzene	16.08	284	1607	0.315	ng	# 83
22) Pentachlorophenol	16.43	266	1023	0.764	ng	# 73
23) Phenanthrene	16.80	178	9743	0.417	ng	98
24) Anthracene	16.89	178	9249	0.443	ng	96
26) Fluoranthene	18.84	202	12873	0.492	ng	99
28) Pyrene	19.20	202	13468	0.405	ng	99
30) Benzo(a)anthracene	20.96	228	12922	0.429	ng	98
31) Chrysene	21.00	228	12652	0.391	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	34824	1.001	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12499	0.427	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	11833	0.413	ng	# 90
36) Benzo(k)fluoranthene	22.58	252	12292m	0.368	ng	
37) Benzo(a)pyrene	23.11	252	11510	0.428	ng	# 93
38) Dibenzo(a,h)anthracene	25.52	278	10421	0.388	ng	97
39) Benzo(g,h,i)perylene	26.20	276	10866	0.381	ng	# 91

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

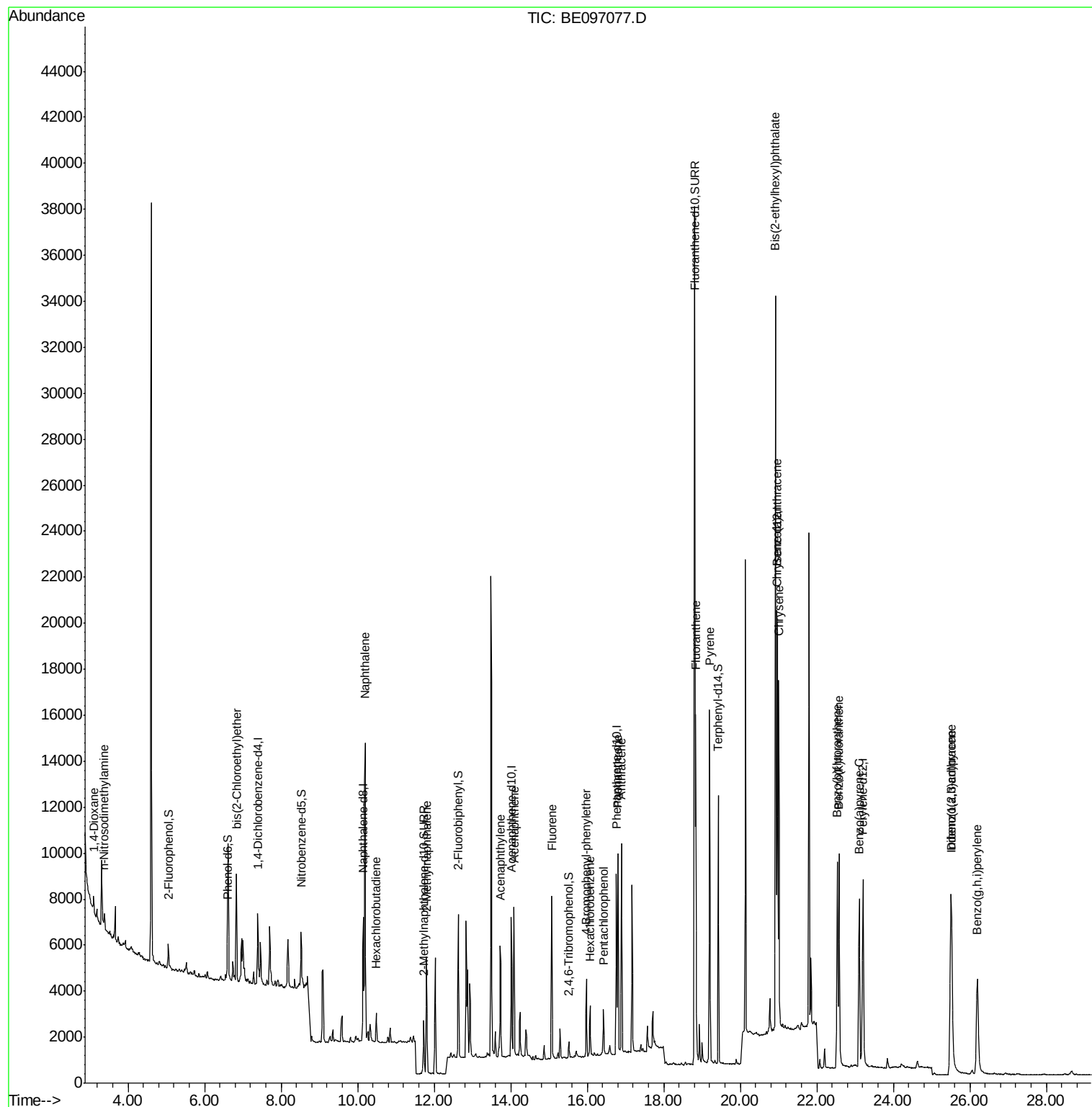
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097077.D
Acq On : 24 Jul 2018 18:27
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Sample : J4073-19MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

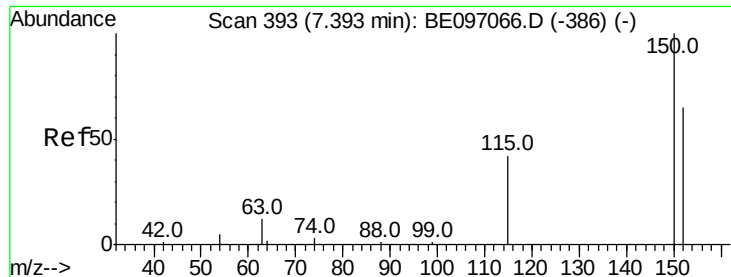
Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

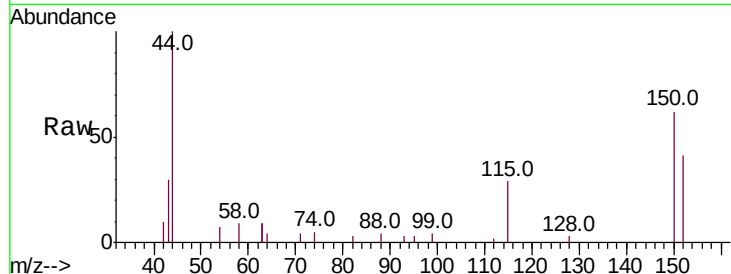
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

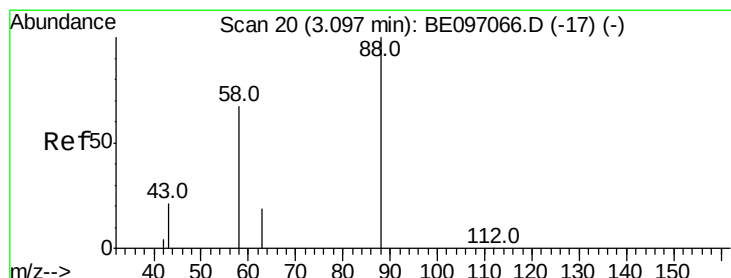
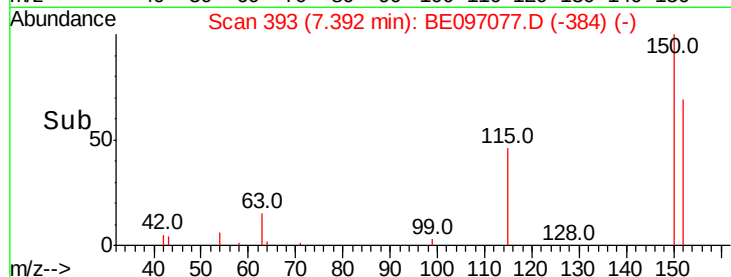
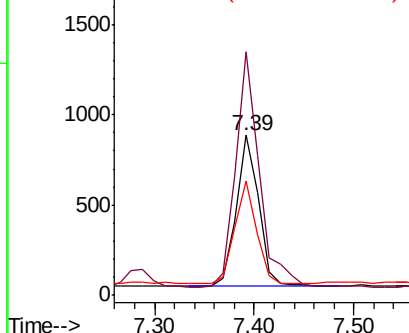
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	117.2	175.8
115	71.1	57.0	85.6

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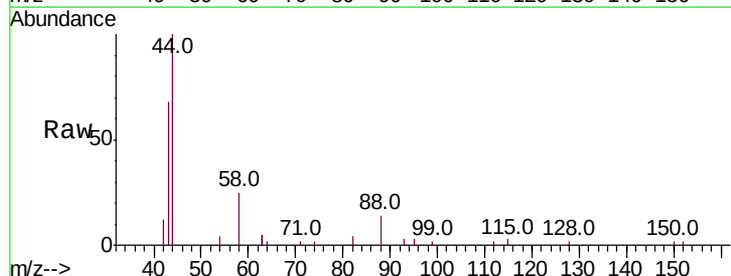
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



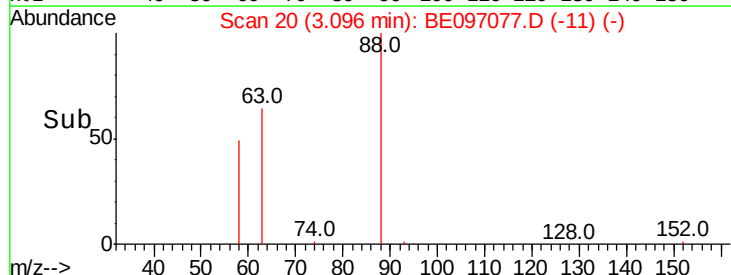
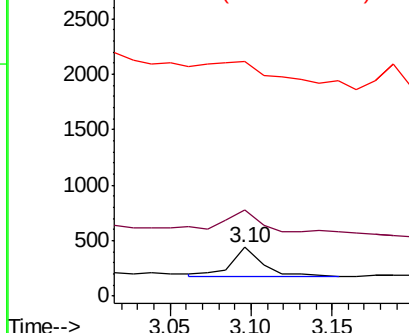
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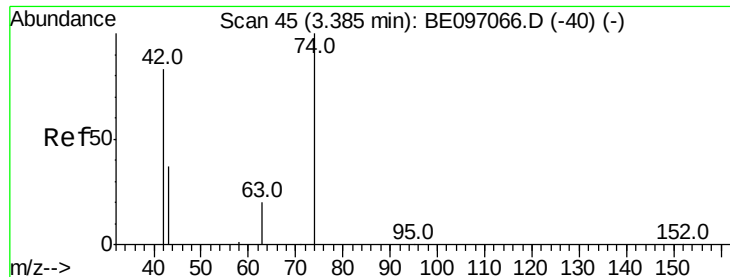
1,4-Dioxane
Concen: 0.167 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.1	63.2	94.8
43	0.0	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

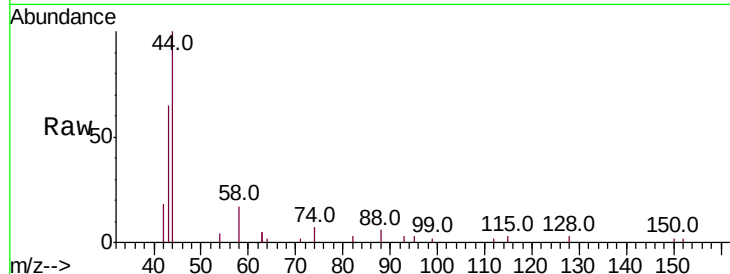
n-Nitrosodimethylamine
 Concen: 0.150 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: BE097077.D
 Acq: 24 Jul 2018 18:27

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MSD

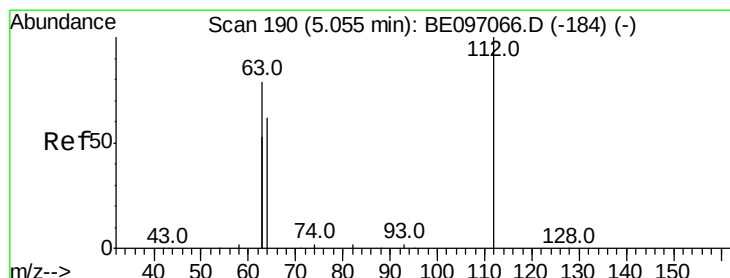
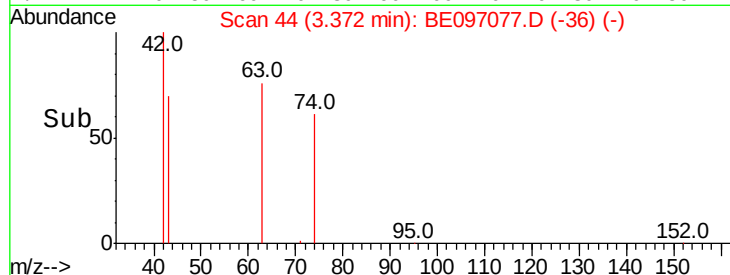
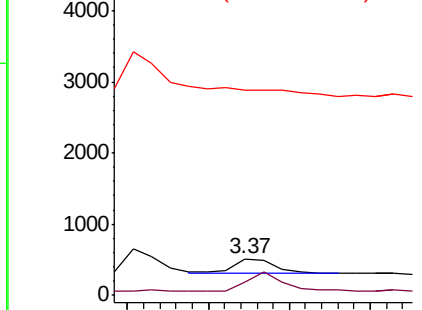
Tot Ion	Ratio	Lower	Upper
42	100		
74	123.8	96.0	144.0
44	0.0	12.0	18.0

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Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0

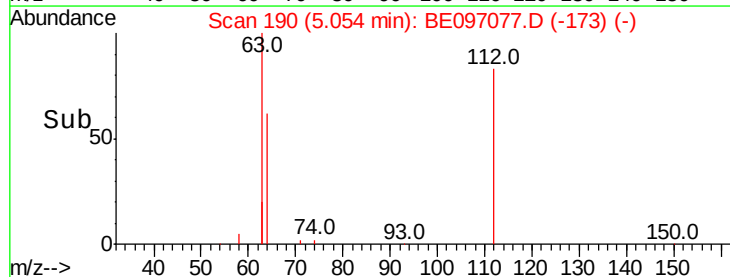
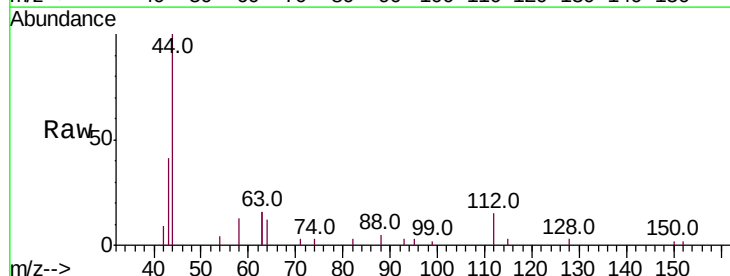
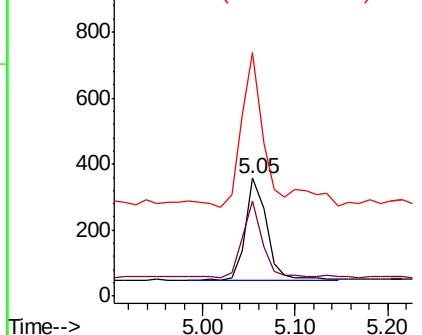


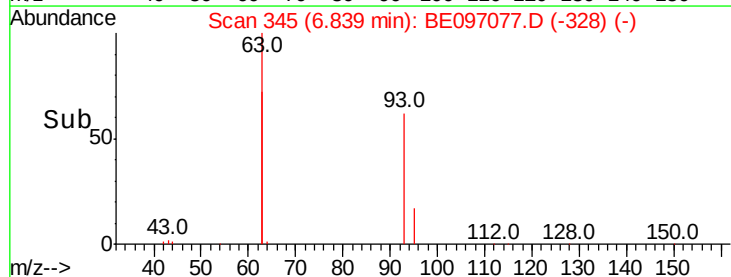
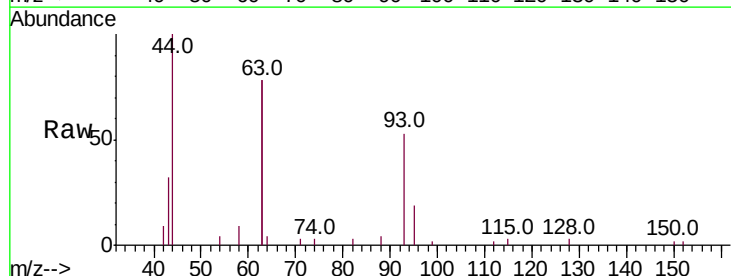
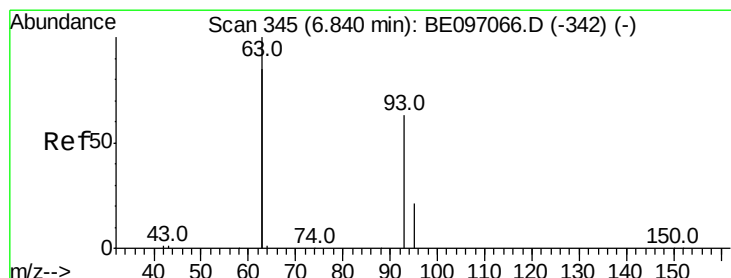
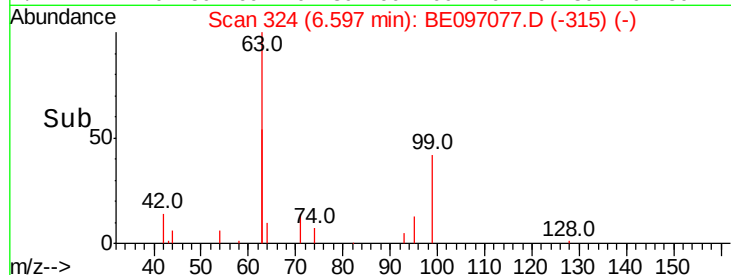
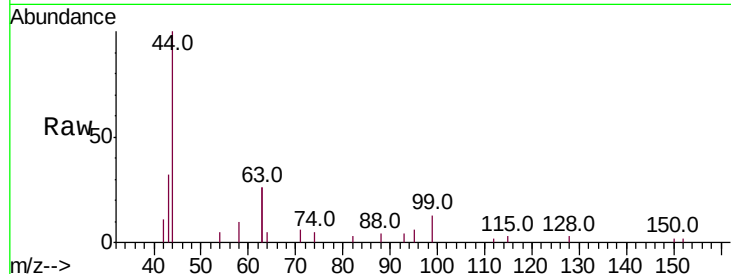
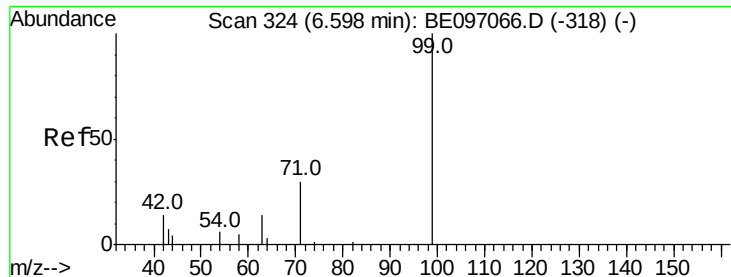
#4

2-Fluorophenol
 Concen: 0.141 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097077.D
 Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	60.1	90.1
63	144.4	116.8	175.2

Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.079 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tot Ion:	99	Resp:	416
Ion	Ratio	Lower	Upper
99	100		
42	84.1	20.2	30.2#
71	0.0	28.4	42.6#

Instrument :

BNA_E

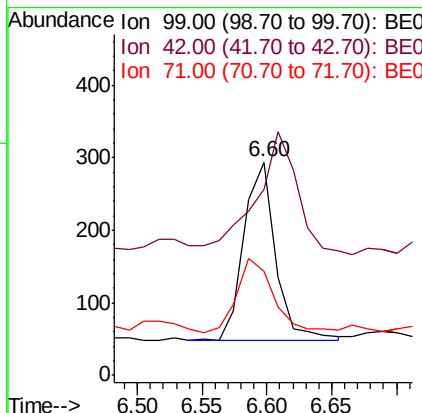
ClientSampleId :

RE123D3-071818MSD

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#6

bis(2-Chloroethyl)ether

Concen: 0.350 ng

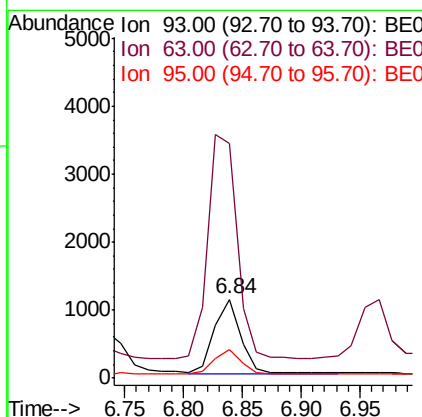
RT: 6.84 min Scan# 345

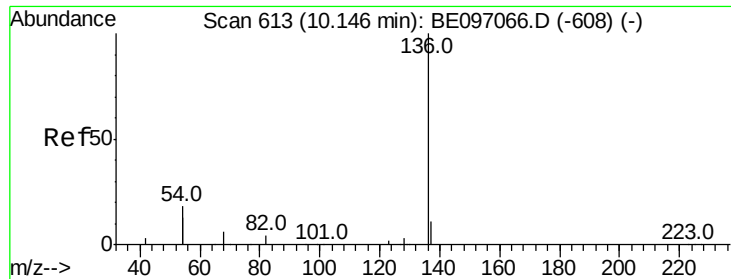
Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion:	93	Resp:	1692
Ion	Ratio	Lower	Upper
93	100		
63	333.0	275.3	412.9
95	35.8	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

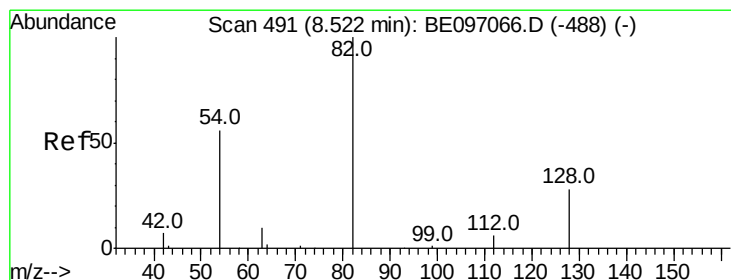
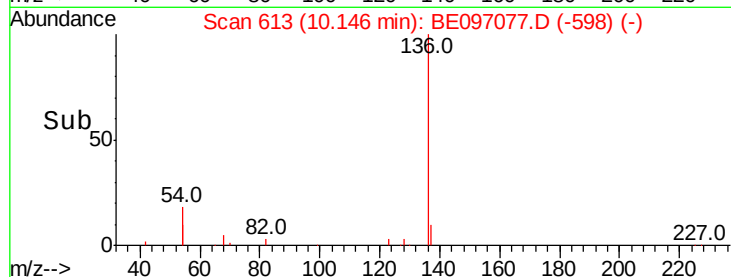
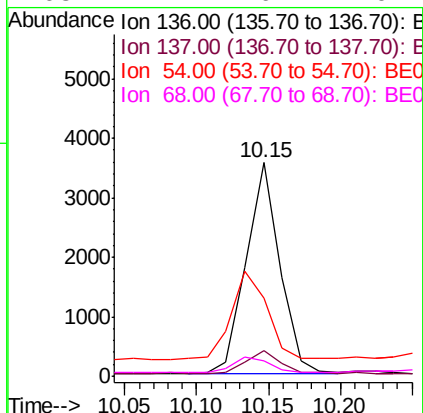
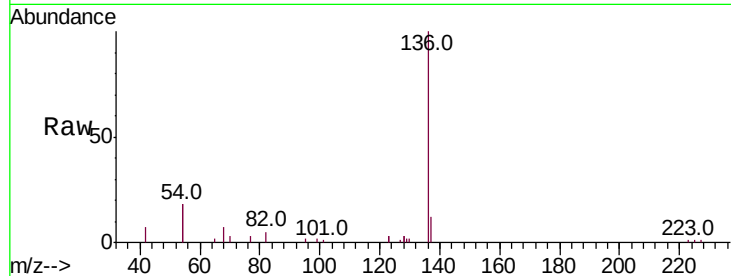
ClientSampleId :

RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	36.4	29.1	43.7
68	7.4	6.2	9.2

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#8

Nitrobenzene-d5

Concen: 0.410 ng

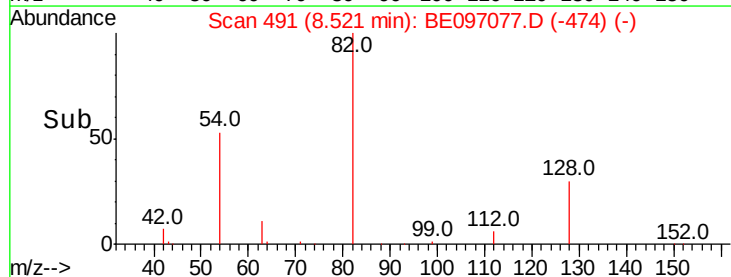
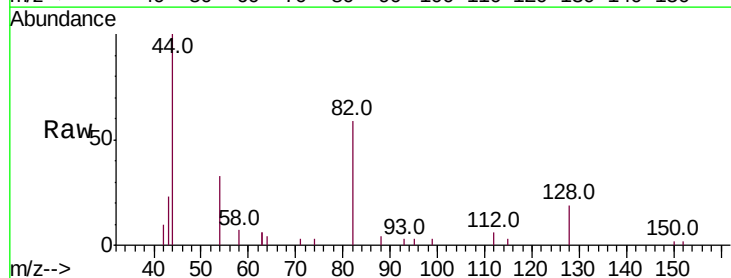
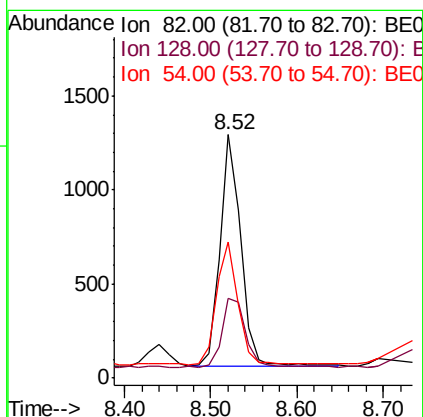
RT: 8.52 min Scan# 491

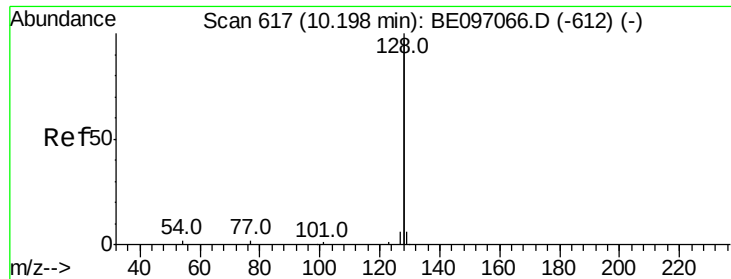
Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.8	24.0	36.0
54	56.1	40.0	60.0





#9

Naphthalene

Concen: 0.425 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

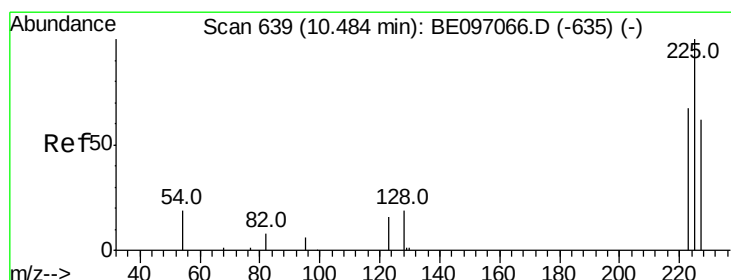
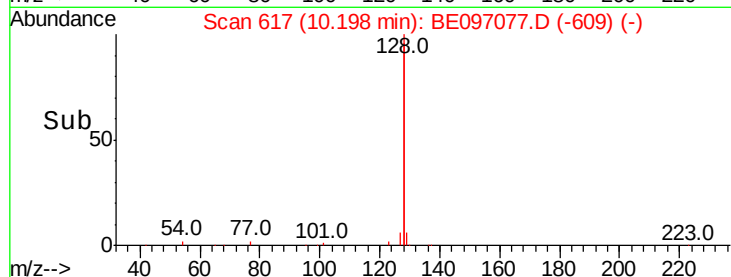
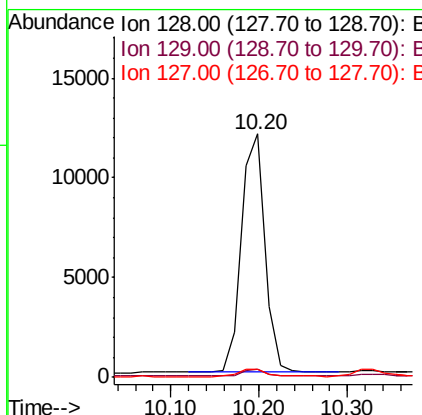
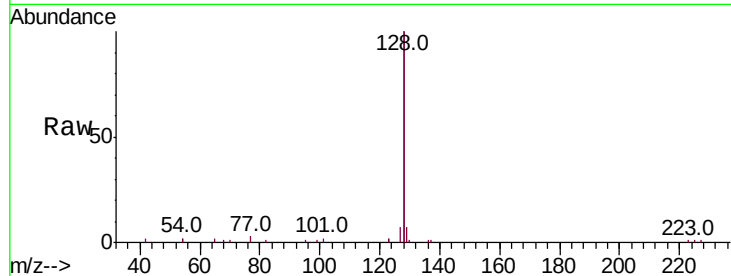
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	128	Resp:	22017
Ion Ratio	Lower	Upper	
128	100		
129	3.3	2.6	3.8
127	3.5	2.8	4.2

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#10

Hexachlorobutadiene

Concen: 0.348 ng

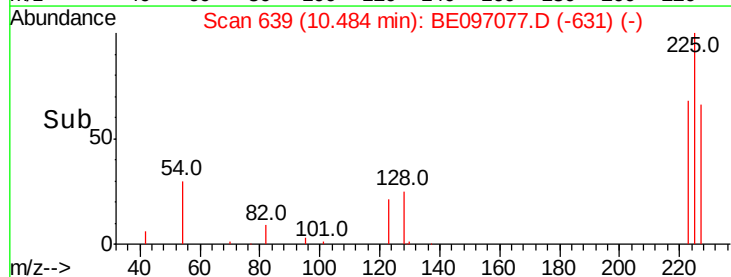
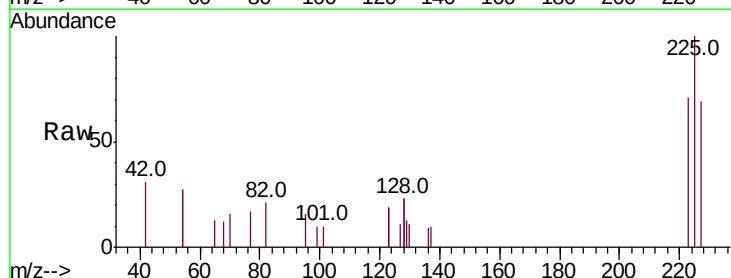
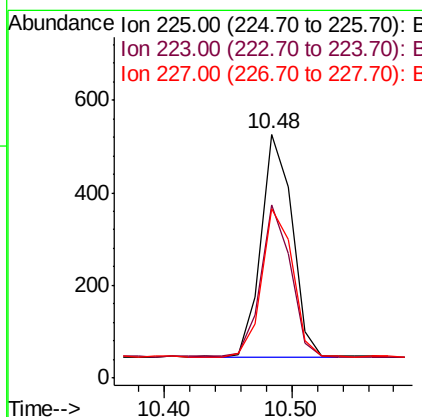
RT: 10.48 min Scan# 639

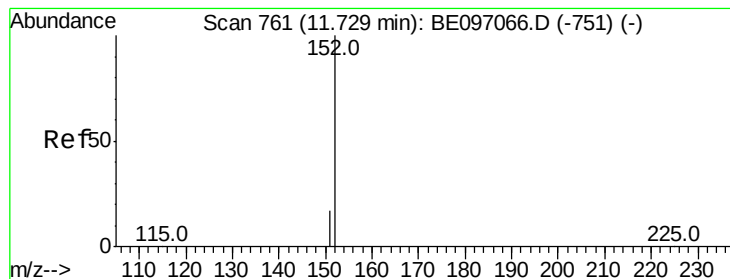
Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion:	225	Resp:	809
Ion Ratio	Lower	Upper	
225	100		
223	65.8	53.0	79.6
227	67.1	51.4	77.2





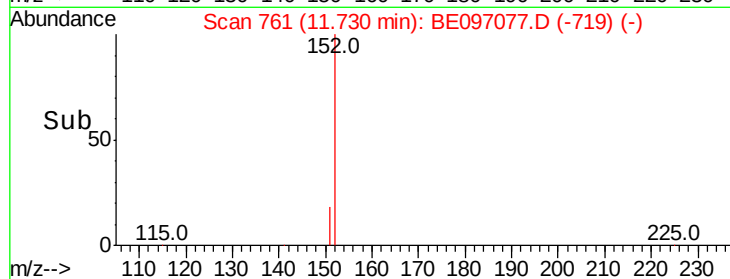
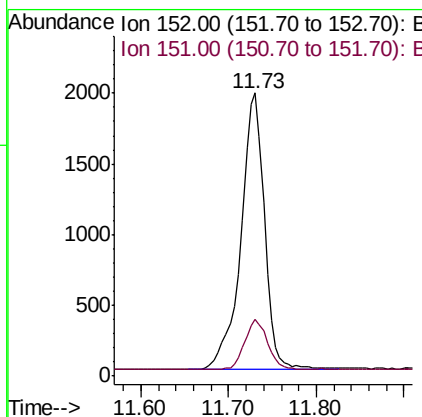
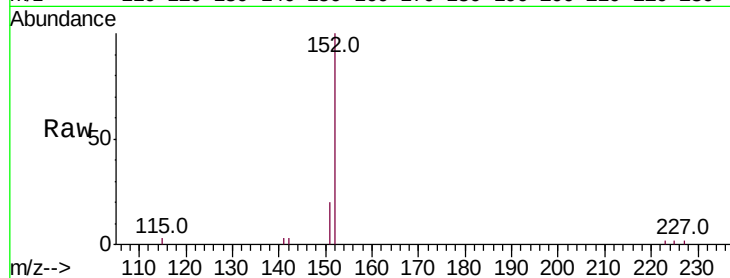
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.3	15.4	23.0

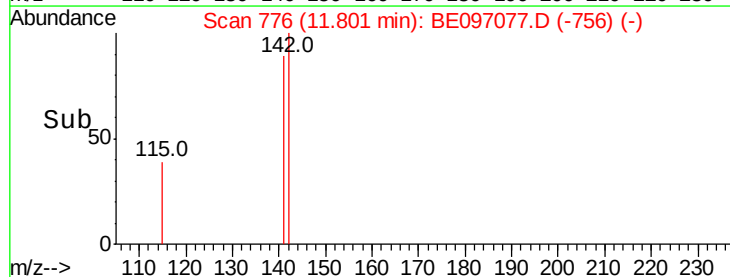
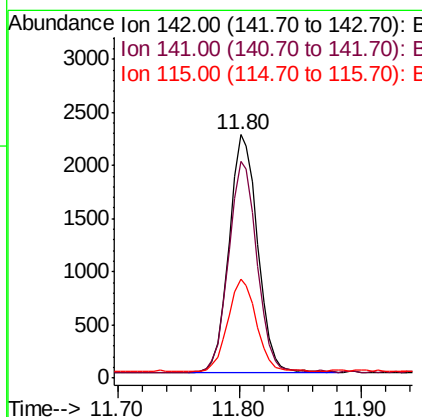
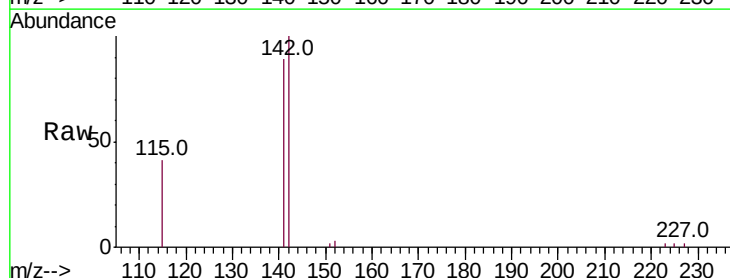
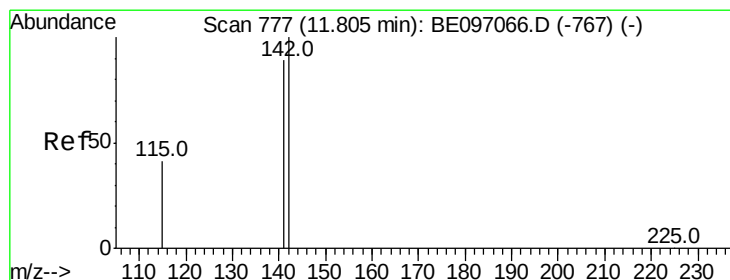
Manual Integrations
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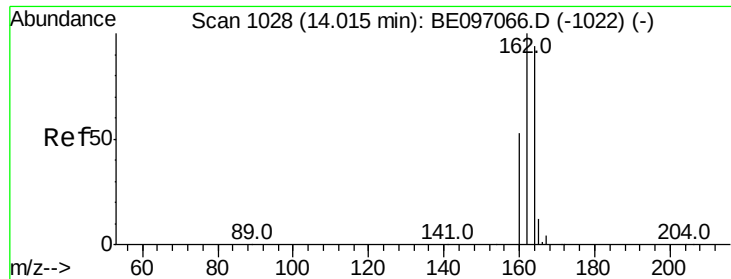
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#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 11.80 min Scan# 776
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.4	105.6
115	40.8	31.7	47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

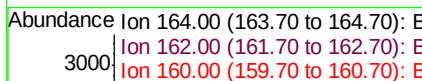
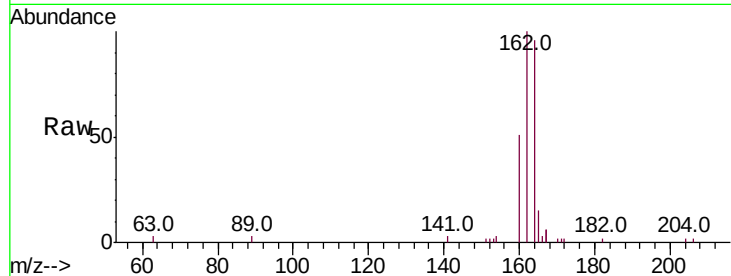
ClientSampleId :

RE123D3-071818MSD

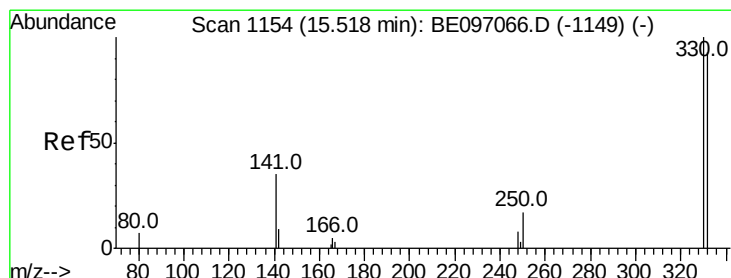
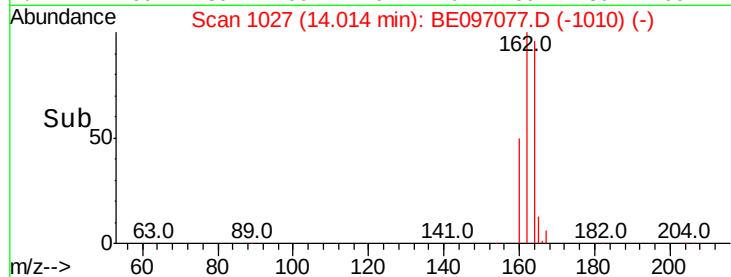
Tot Ion:	164	Resp:	3345
Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.1	124.7
160	53.1	37.1	55.7

Manual Integrations
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Sohil
7/25/2018 2:39:17 PM



Time--> 13.80 14.00 14.20



#14

2,4,6-Tribromophenol

Concen: 0.367 ng

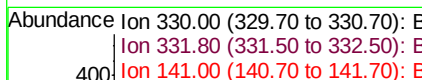
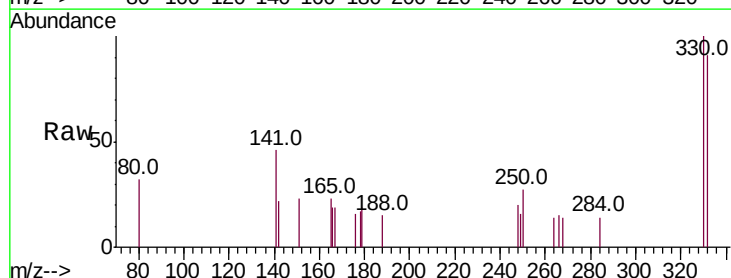
RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

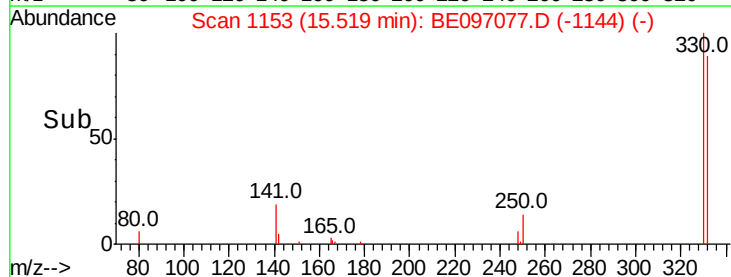
Lab File: BE097077.D

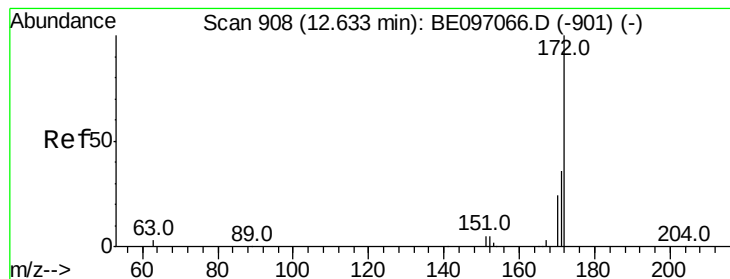
Acq: 24 Jul 2018 18:27

Tgt Ion:	330	Resp:	404
Ion	Ratio	Lower	Upper
330	100		
332	93.6	152.7	229.1#
141	45.0	33.7	50.5



Time--> 15.45 15.50 15.55 15.60





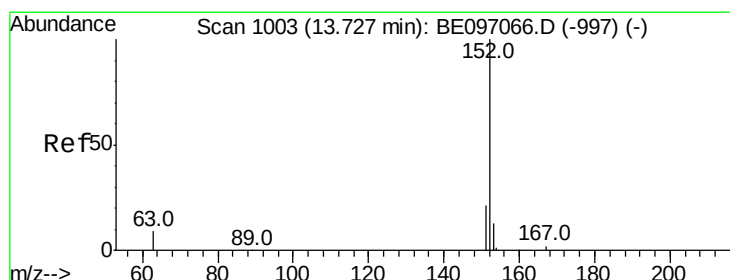
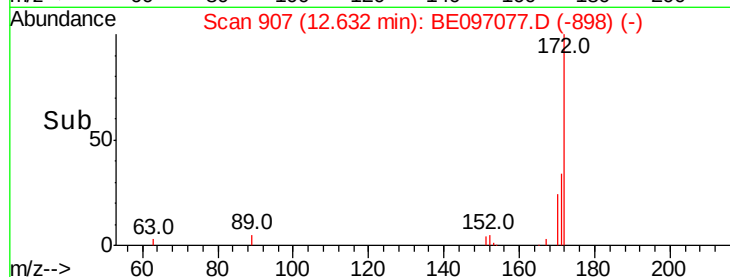
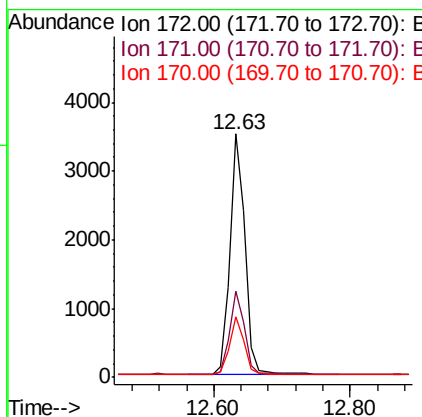
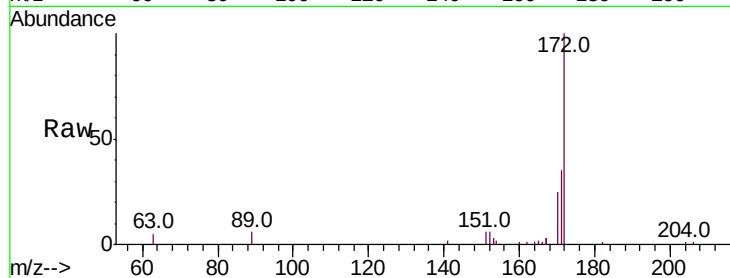
#15
2-Fluorobiphenyl
Concen: 0.467 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.9	44.9
170	25.1	21.8	32.8

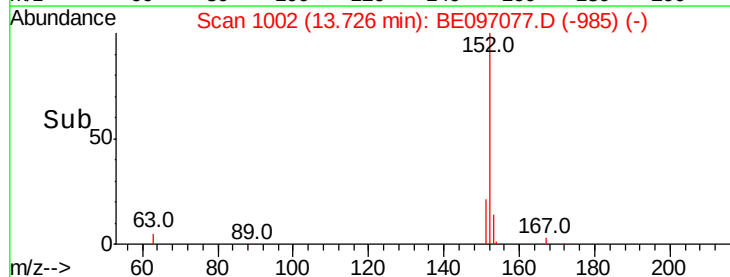
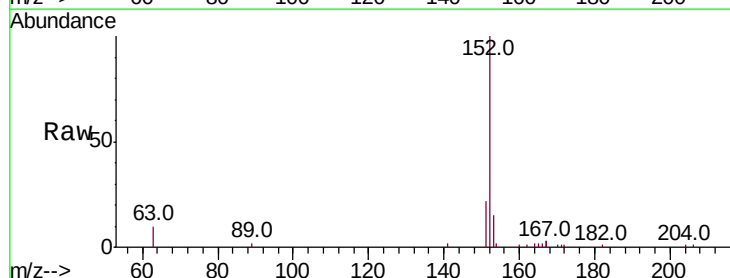
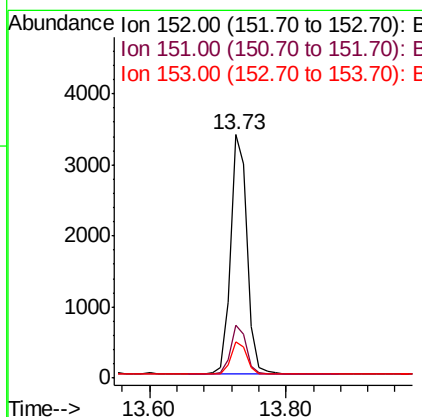
Manual Integrations
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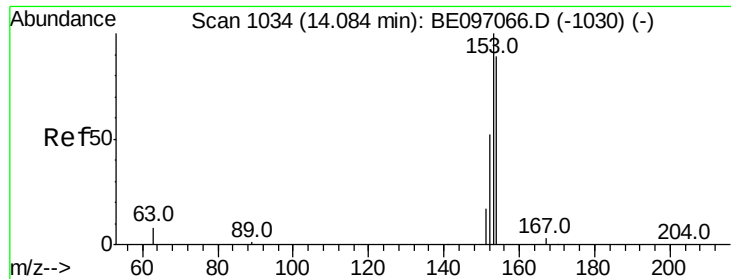
Sohil
7/25/2018 2:39:17 PM



#16
Acenaphthylene
Concen: 0.386 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.1	10.5	15.7





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

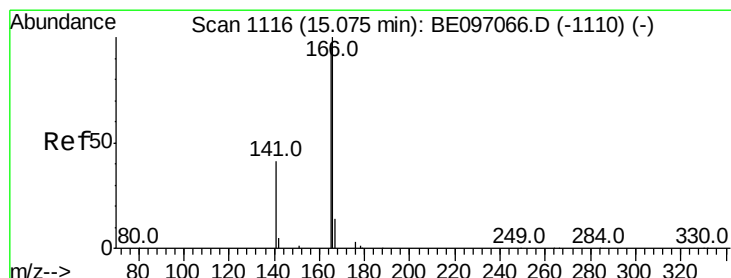
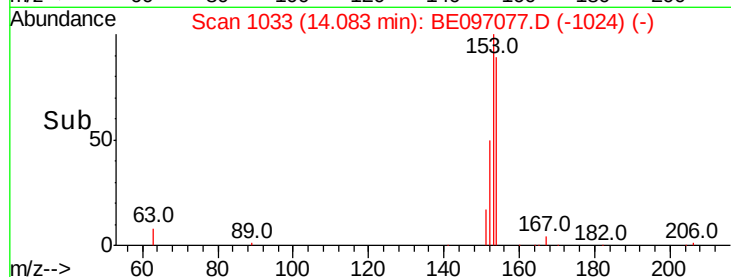
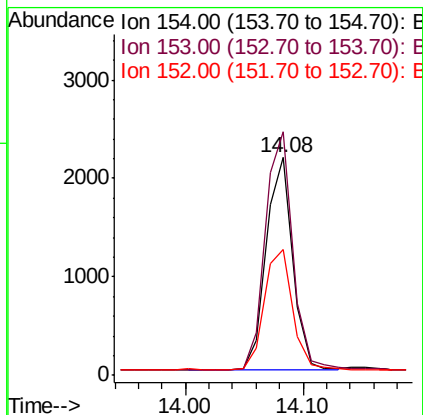
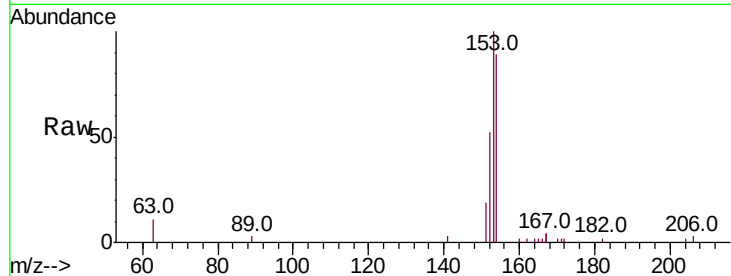
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	154	Resp:	3382
Ion	Ratio	Lower	Upper
154	100		
153	116.4	89.2	133.8
152	60.4	42.0	63.0

Manual Integrations
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#18

Fluorene

Concen: 0.408 ng

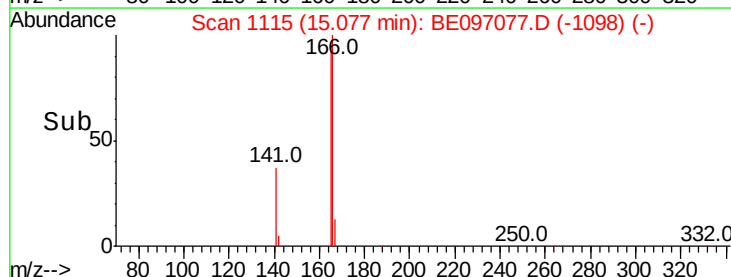
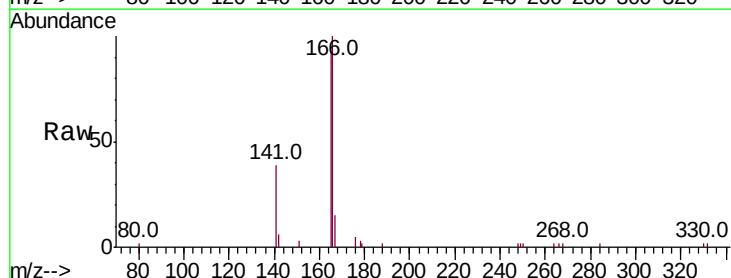
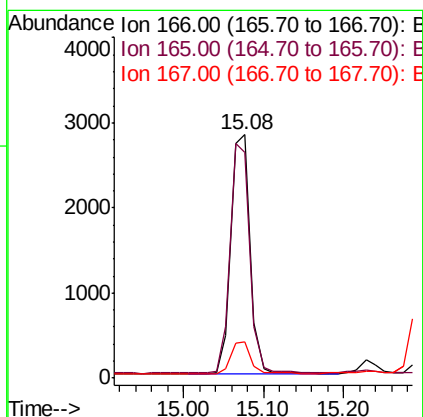
RT: 15.08 min Scan# 1115

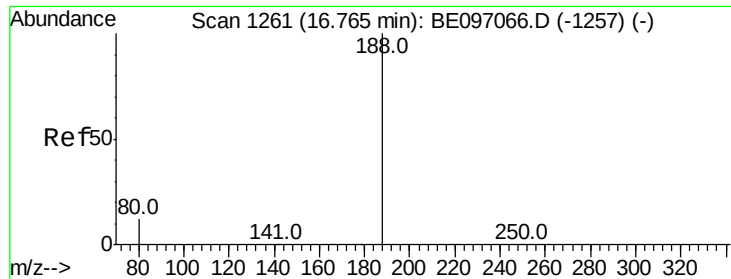
Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion:	166	Resp:	4707
Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.6
167	13.7	42.4	63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

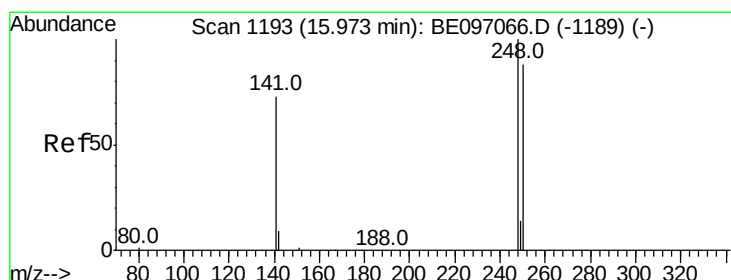
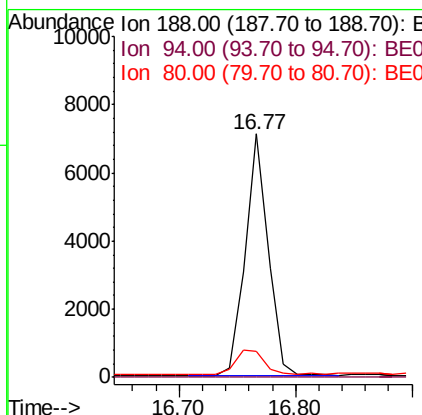
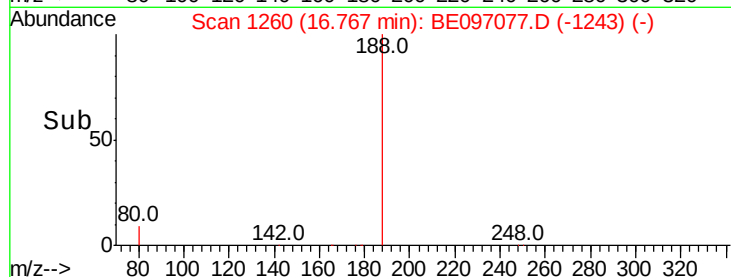
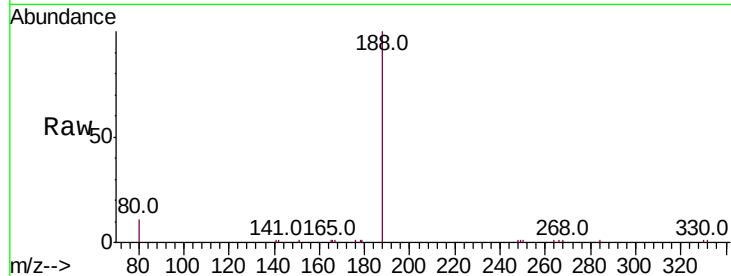
Instrument :
BNA_E

ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.8	3.6	5.4#

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.346 ng

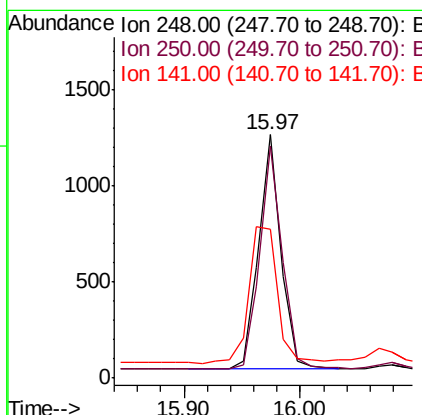
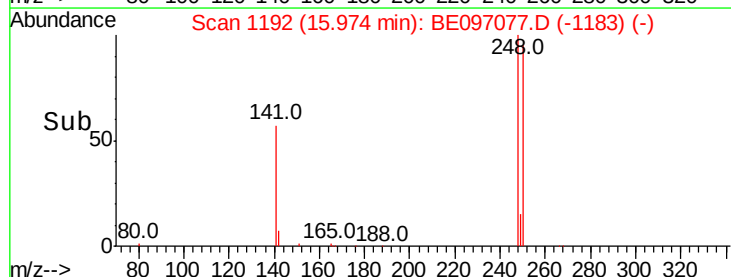
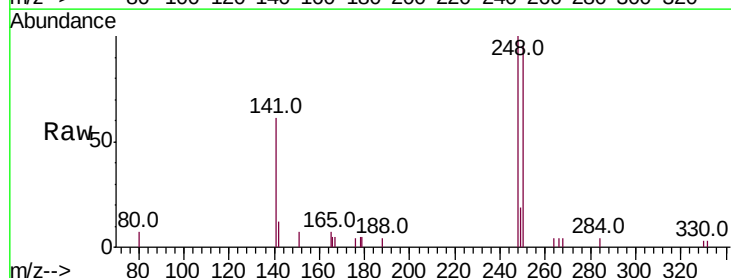
RT: 15.97 min Scan# 1192

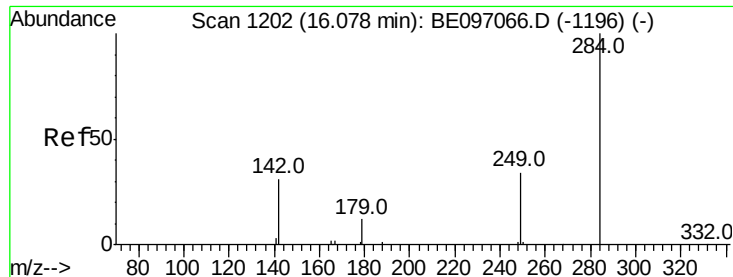
Delta R.T. 0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.2	62.7	94.1#
141	61.1	48.2	72.2





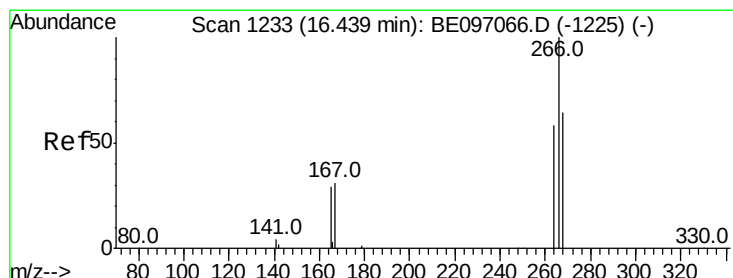
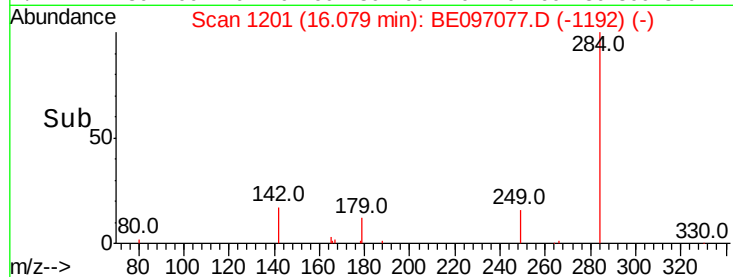
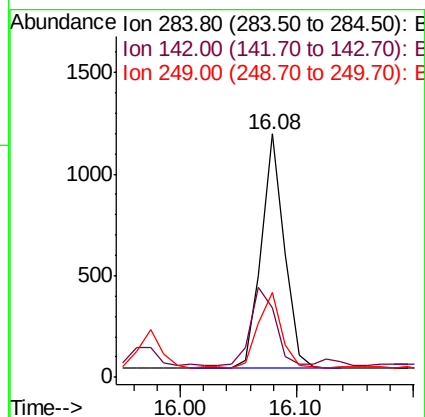
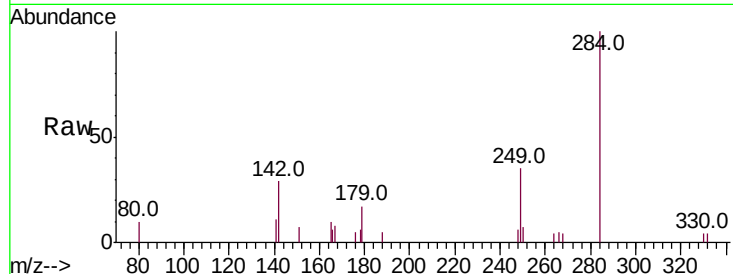
#21
Hexachlorobenzene
Concen: 0.315 ng
RT: 16.08 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	35.7	22.1	33.1#
249	32.0	34.8	52.2#

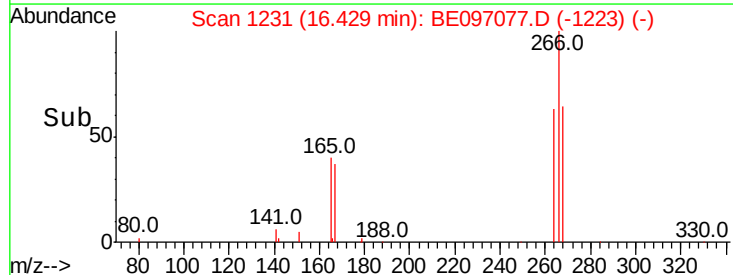
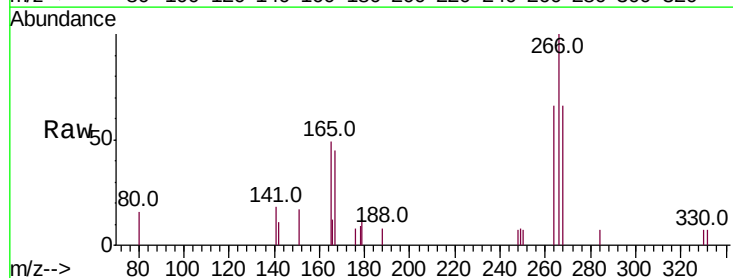
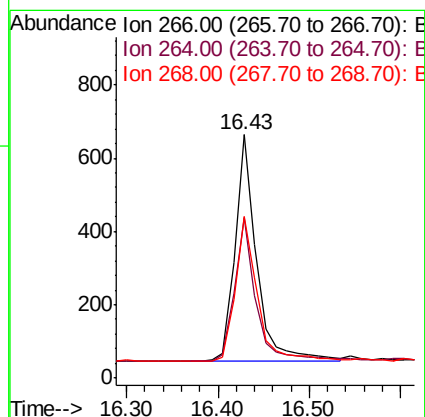
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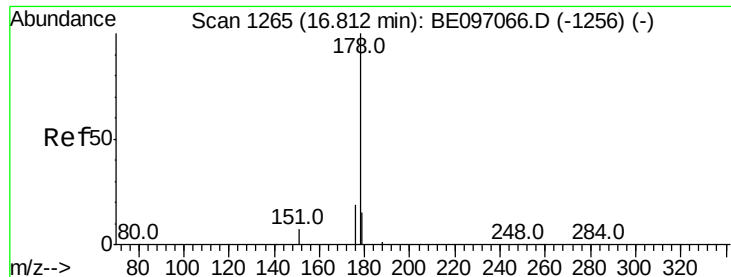
Sohil
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#22
Pentachlorophenol
Concen: 0.764 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.0	72.5	108.7#
268	66.3	73.8	110.6#





#23

Phenanthrene

Concen: 0.417 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

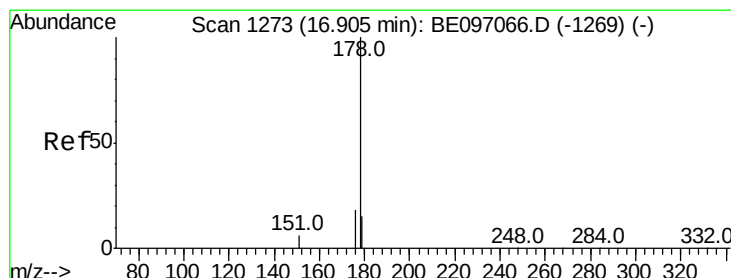
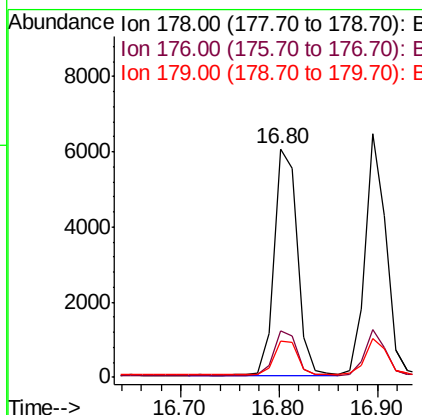
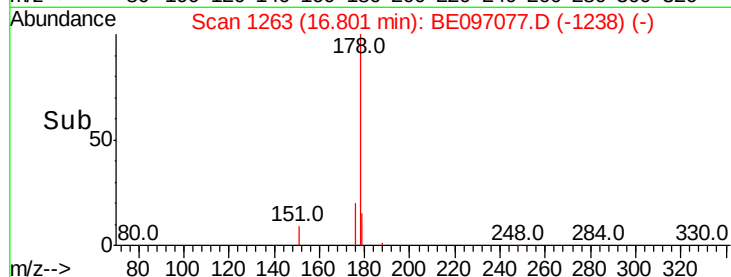
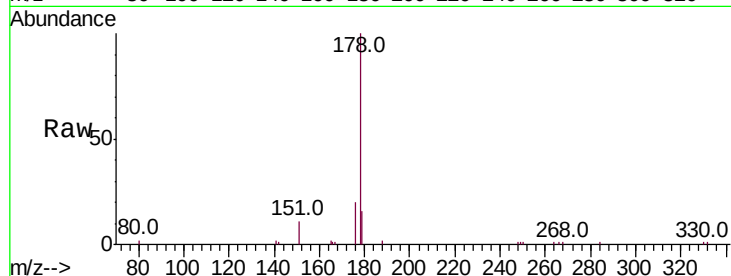
ClientSampleId :

RE123D3-071818MSD

Tot Ion:178	Resp:	9743
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.1 22.7
179	15.6	11.8 17.6

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#24

Anthracene

Concen: 0.443 ng

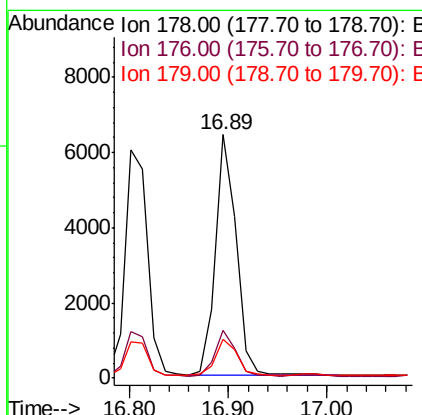
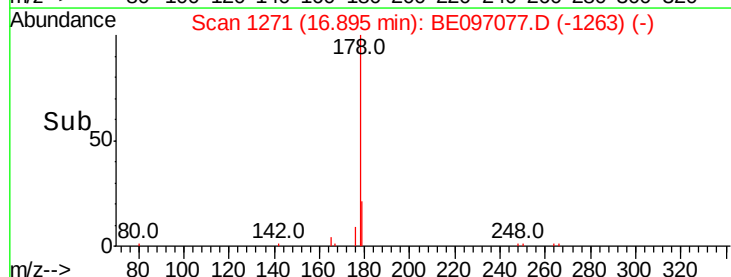
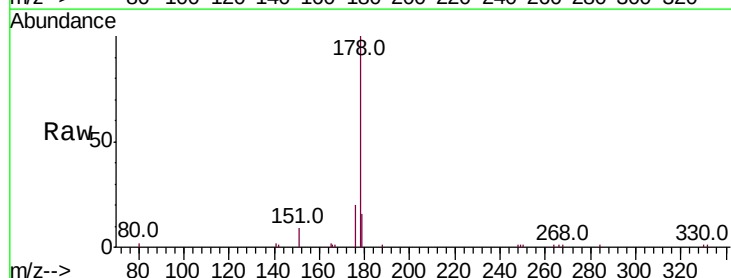
RT: 16.89 min Scan# 1271

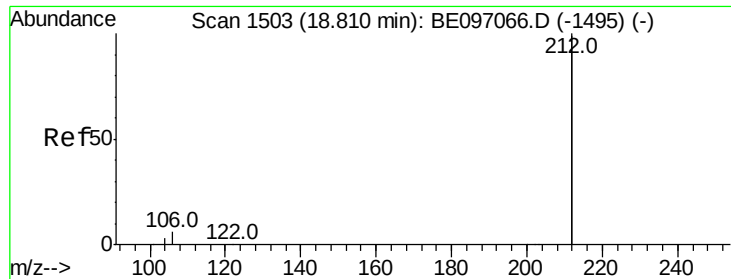
Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion:178	Resp:	9249
Ion Ratio	Lower	Upper
178	100	
176	18.9	12.8 19.2
179	15.4	13.0 19.6





#25

Fluoranthene-d10

Concen: 0.490 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

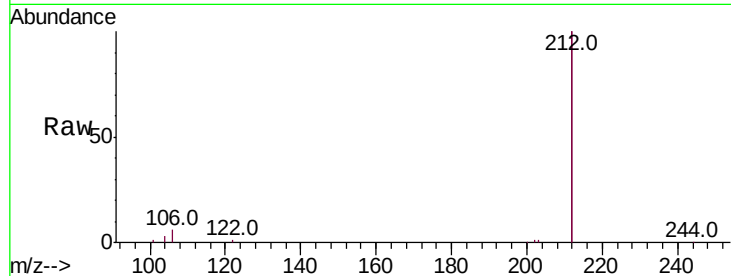
ClientSampleId :

RE123D3-071818MSD

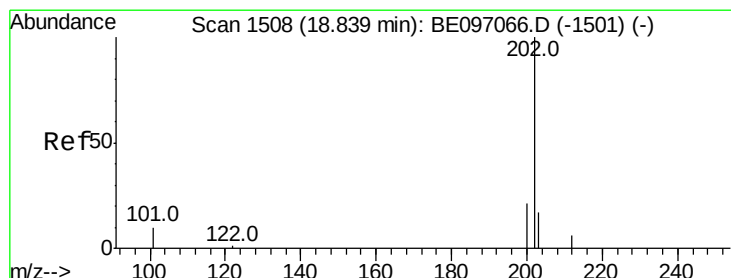
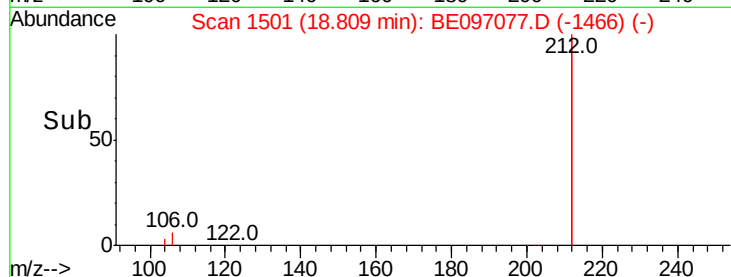
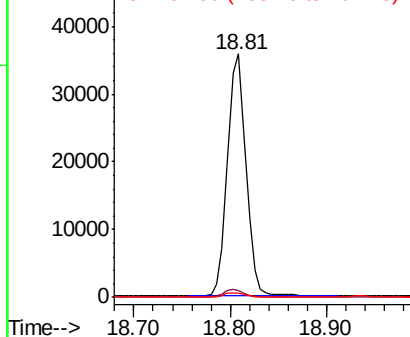
Tot Ion:	212	Resp:	48065
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	1.7	1.6	2.4

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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: 0.492 ng

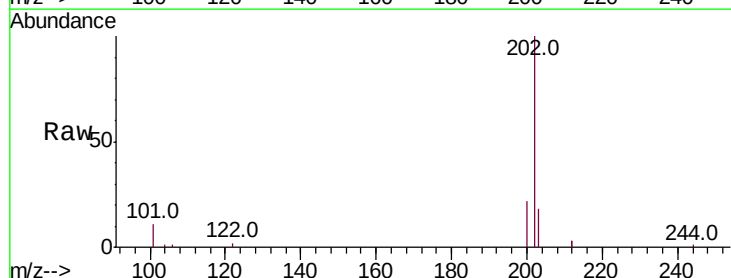
RT: 18.84 min Scan# 1506

Delta R.T. -0.00 min

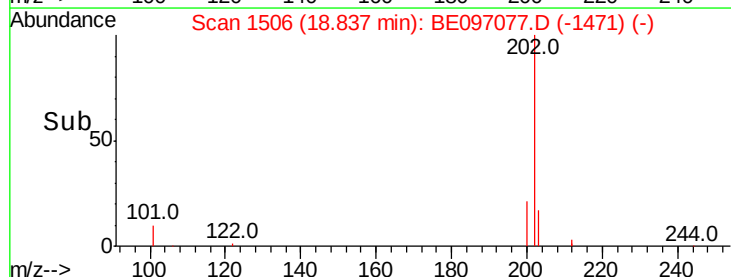
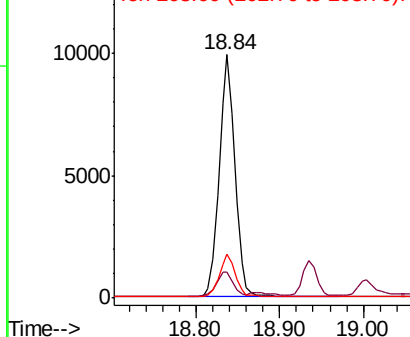
Lab File: BE097077.D

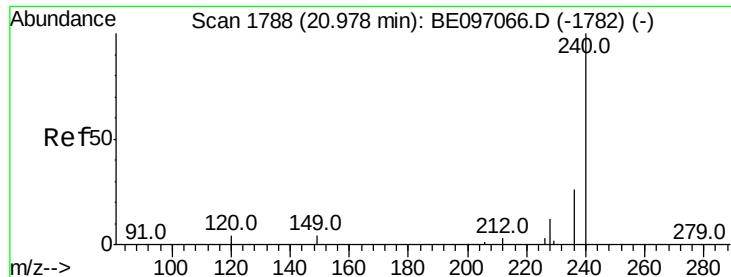
Acq: 24 Jul 2018 18:27

Tgt Ion:	202	Resp:	12873
Ion Ratio	Lower	Upper	
202	100		
101	11.0	9.8	14.8
203	17.1	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





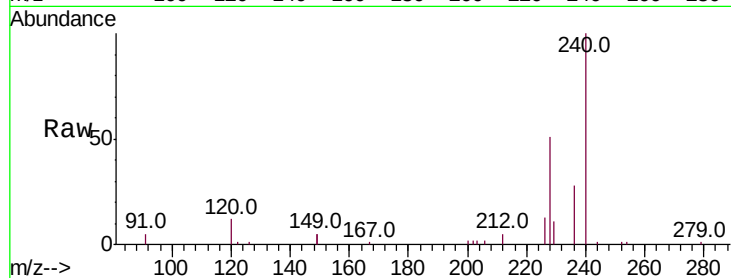
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	5.5	8.3#
236	28.2	20.7	31.1

Manual Integrations
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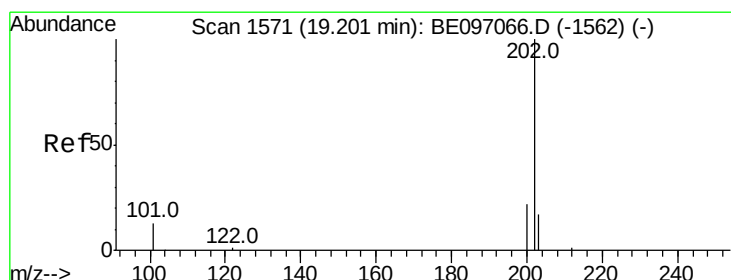
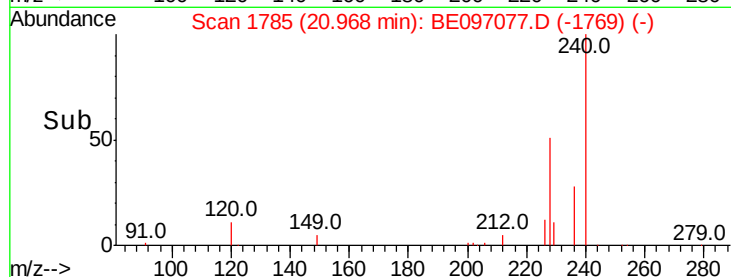
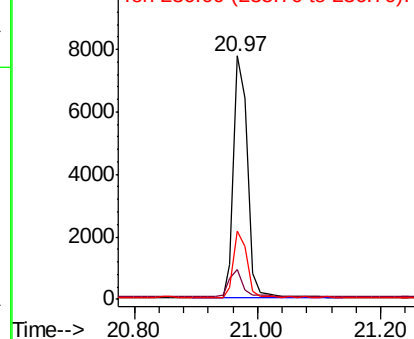


Abundance

Ion 240.00 (239.70 to 240.70): E

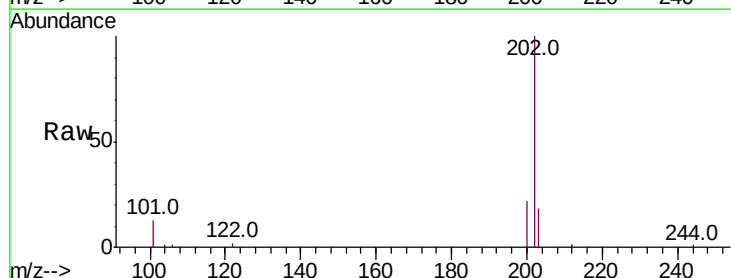
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.405 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	18.1	13.8	20.8

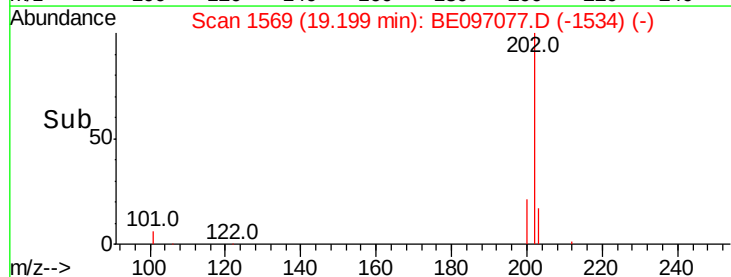
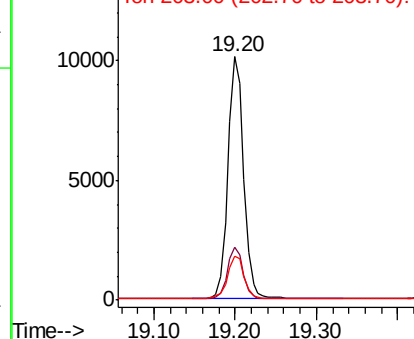


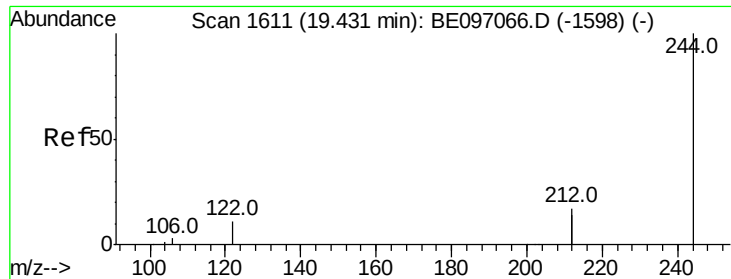
Abundance

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: 0.429 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

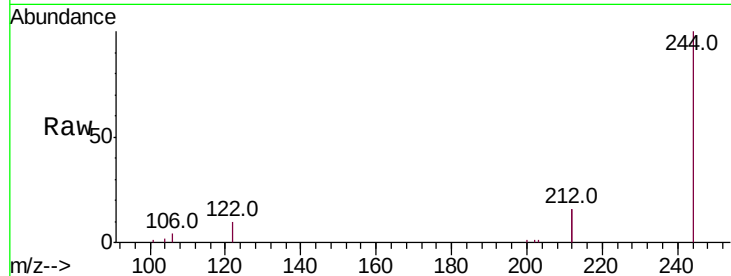
ClientSampleId :

RE123D3-071818MSD

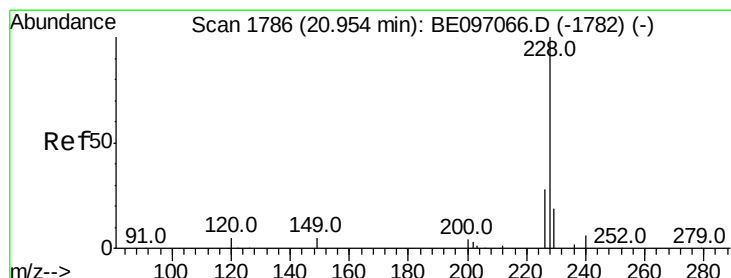
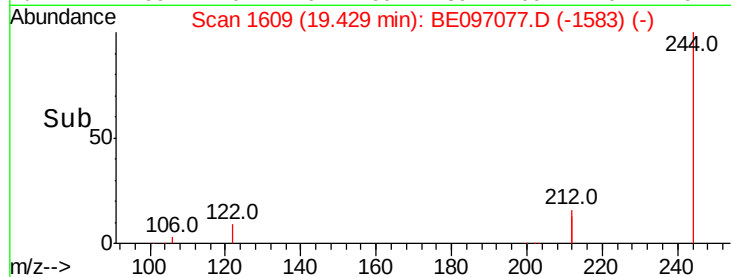
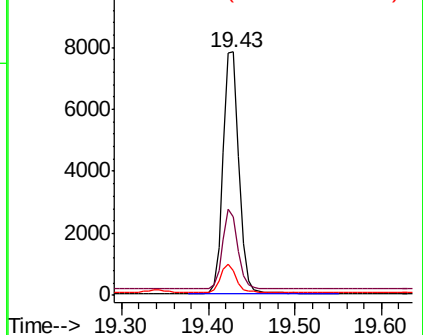
Tot Ion:	244	Resp:	9980
Ion Ratio	Lower	Upper	
244	100		
212	32.5	25.4	38.0
122	10.4	8.1	12.1

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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: 0.429 ng

RT: 20.96 min Scan# 1784

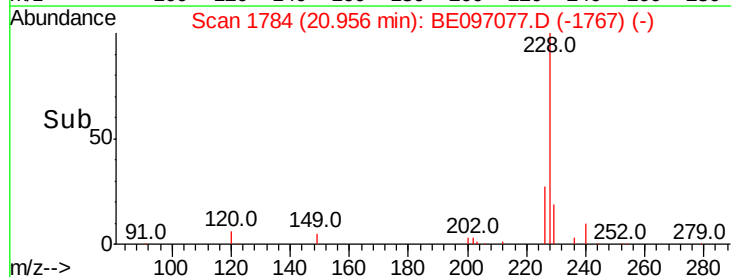
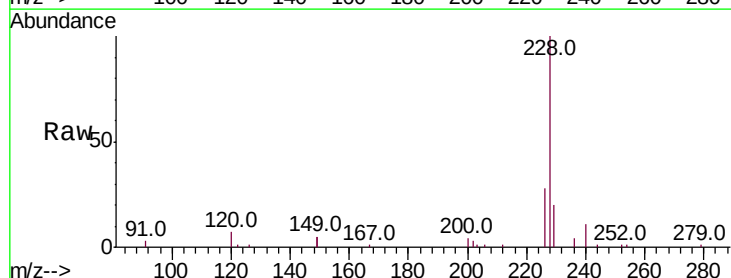
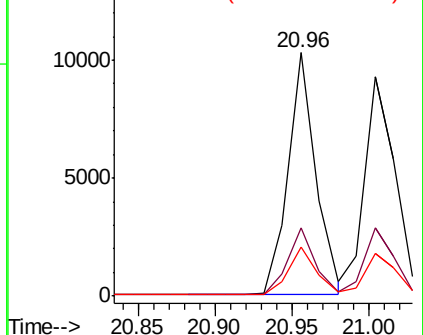
Delta R.T. 0.00 min

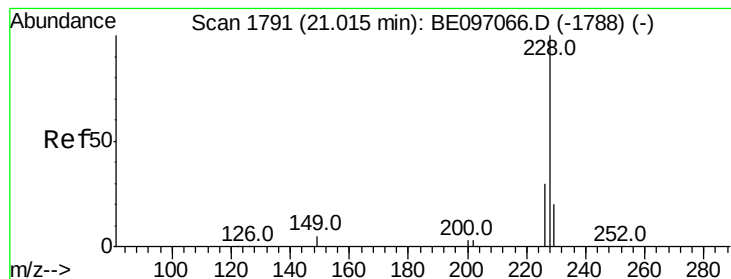
Lab File: BE097077.D

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Tgt Ion:	228	Resp:	12922
Ion Ratio	Lower	Upper	
228	100		
226	27.9	24.0	36.0
229	19.9	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





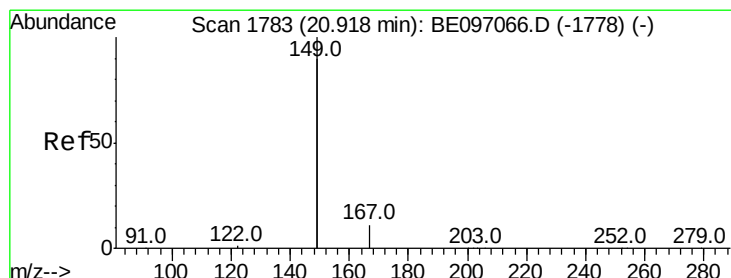
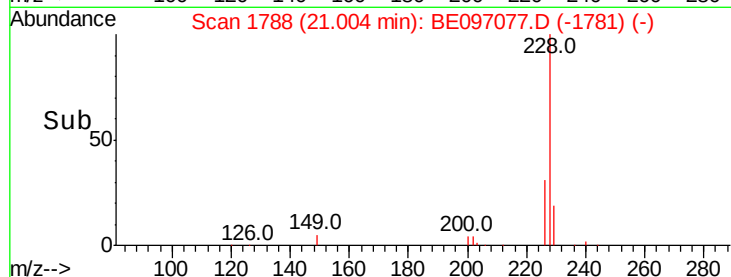
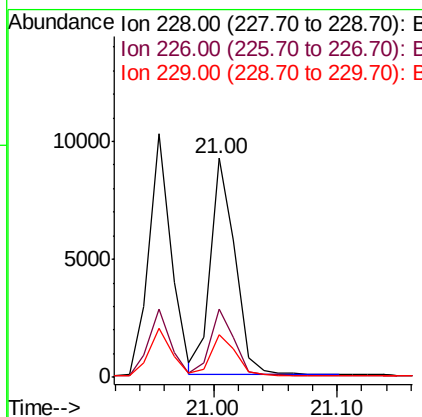
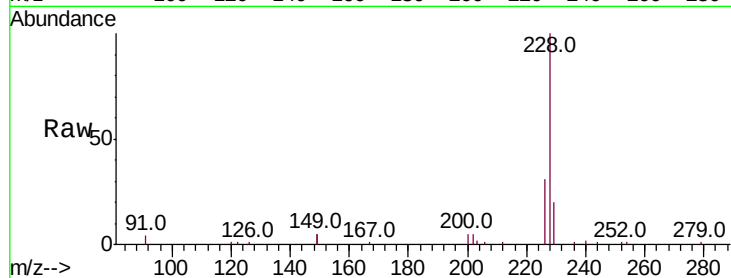
#31
Chrysene
Concen: 0.391 ng
RT: 21.00 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	19.6	16.0	24.0

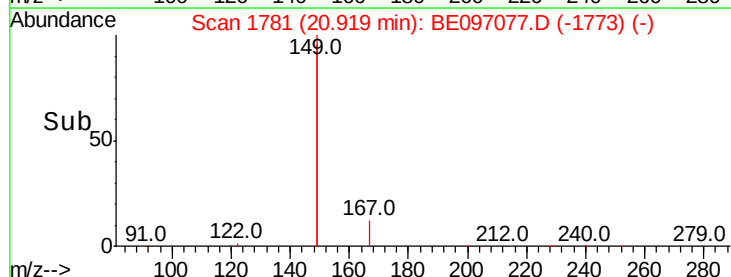
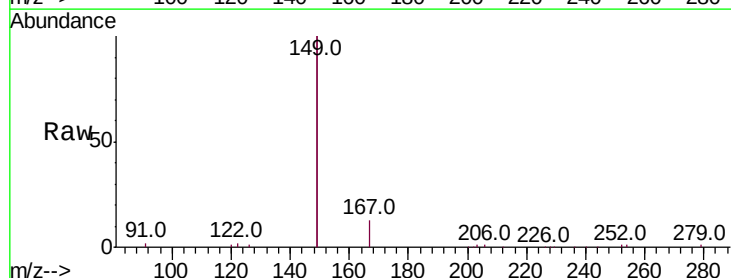
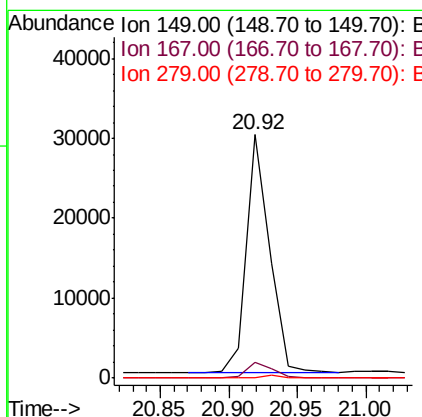
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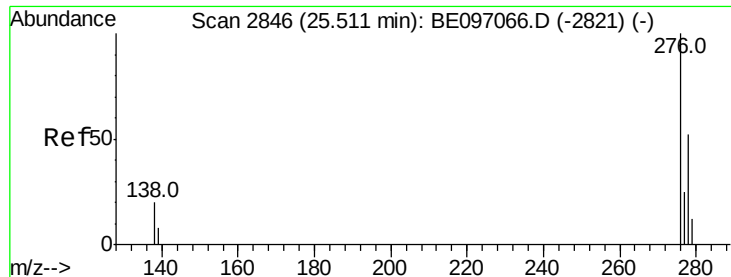
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#32
Bis(2-ethylhexyl)phthalate
Concen: 1.001 ng
RT: 20.92 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1





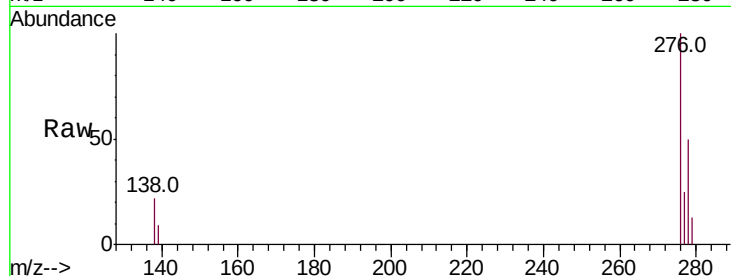
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.427 ng
 RT: 25.50 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BE097077.D
 Acq: 24 Jul 2018 18:27

Instrument :
 BNA_E
 ClientSampleId :
 RE123D3-071818MSD

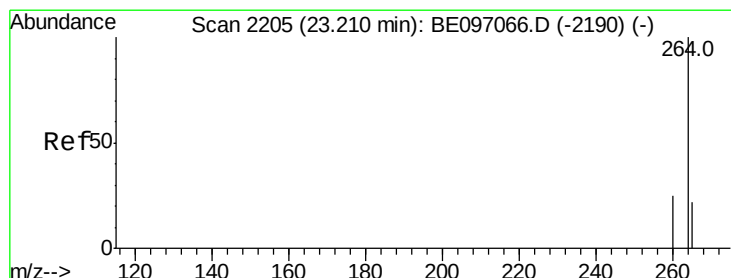
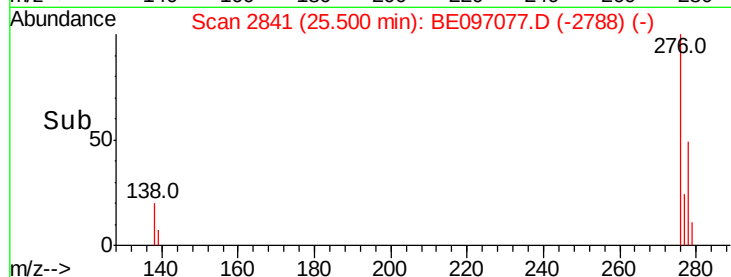
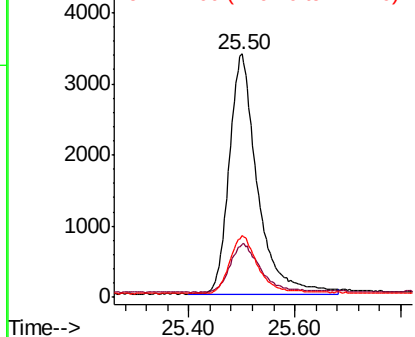
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	22.5	33.7#
277	24.3	19.9	29.9

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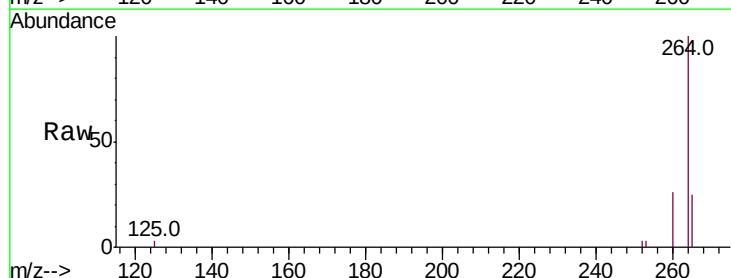


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

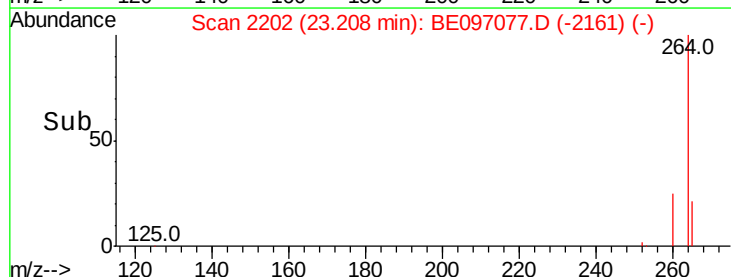
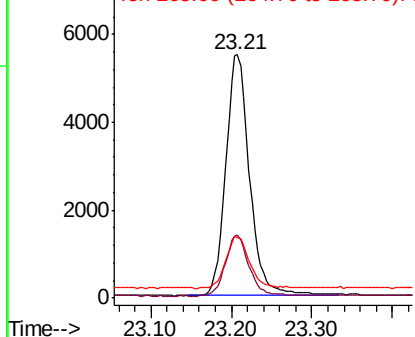


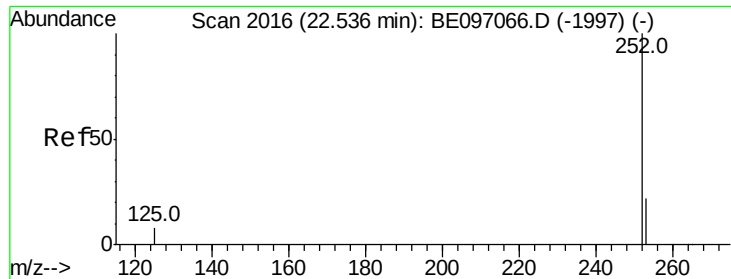
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BE097077.D
 Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	24.9	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: 0.413 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

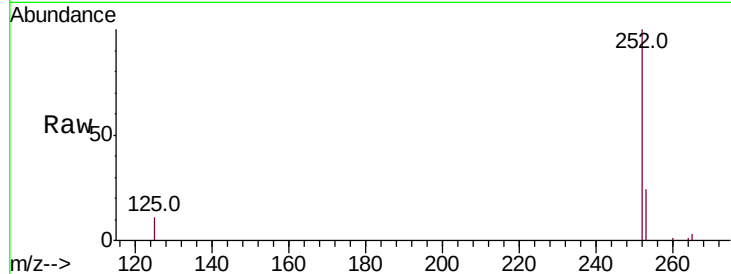
ClientSampleId :

RE123D3-071818MSD

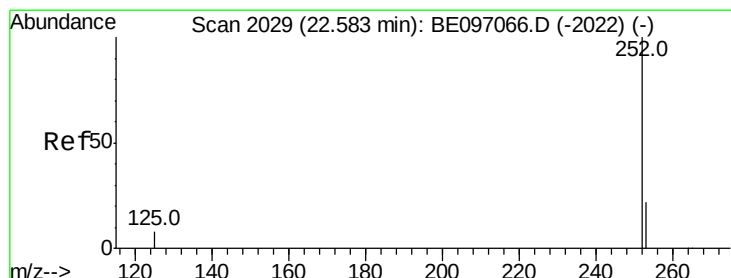
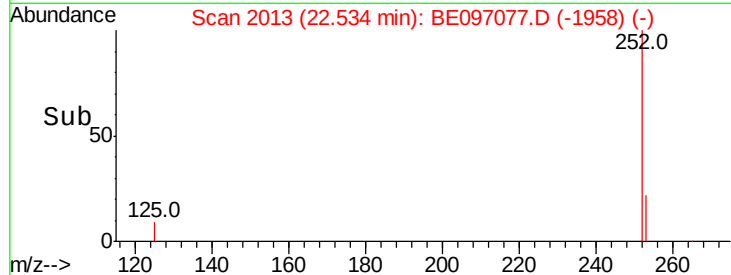
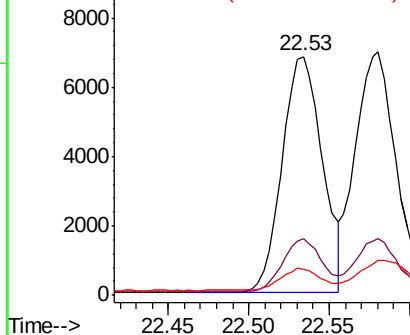
Tot Ion:	252	Resp:	11833
Ion Ratio	Lower	Upper	
252	100		
253	23.9	20.0	30.0
125	11.0	16.0	24.0

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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: 0.368 ng m

RT: 22.58 min Scan# 2026

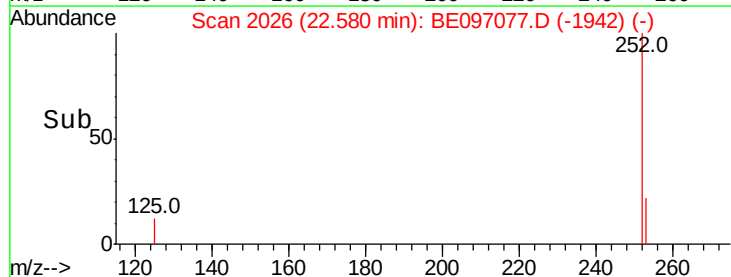
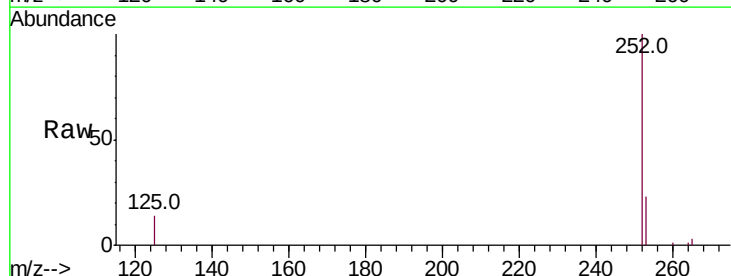
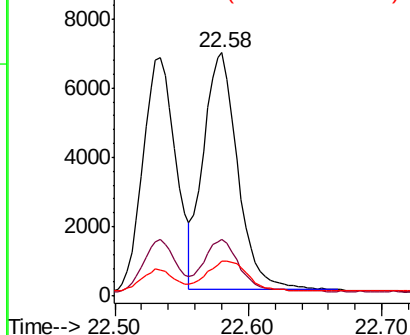
Delta R.T. -0.00 min

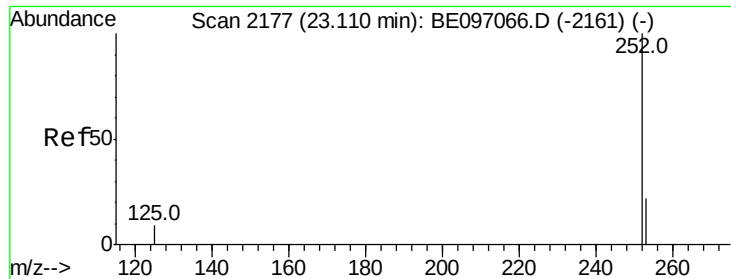
Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Tgt Ion:	252	Resp:	12292
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.0	24.0
125	14.2	8.0	12.0

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





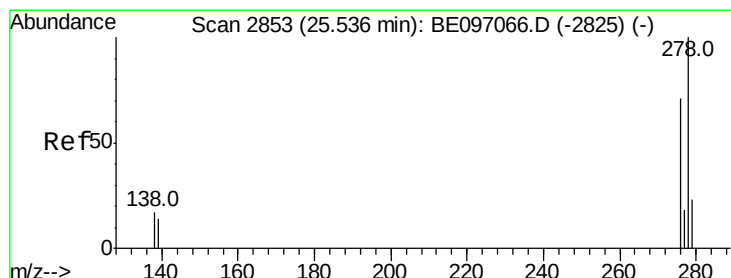
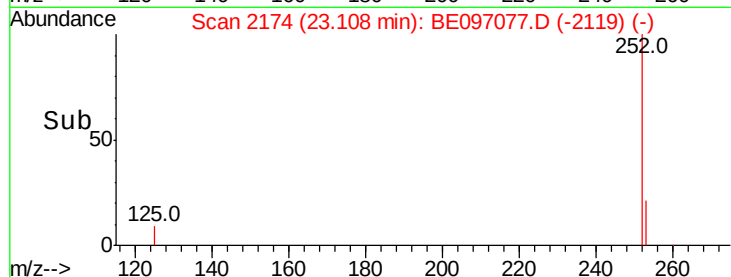
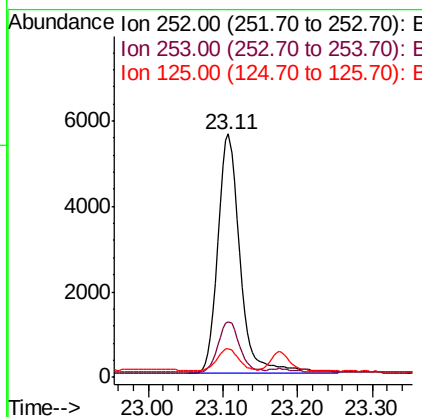
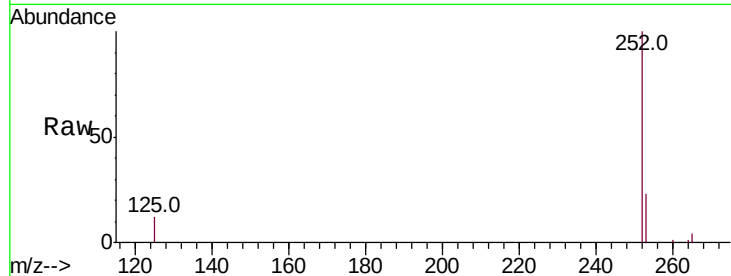
#37
Benzo(a)pyrene
Concen: 0.428 ng
RT: 23.11 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Instrument :
BNA_E
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	11.9	12.0	18.0

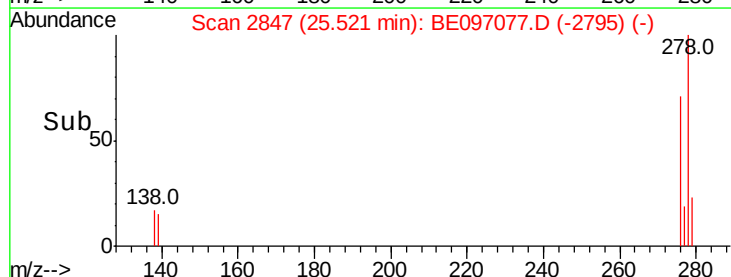
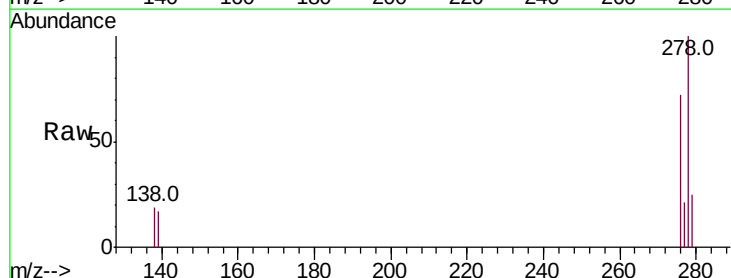
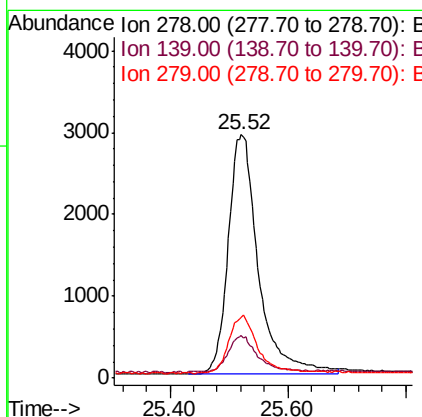
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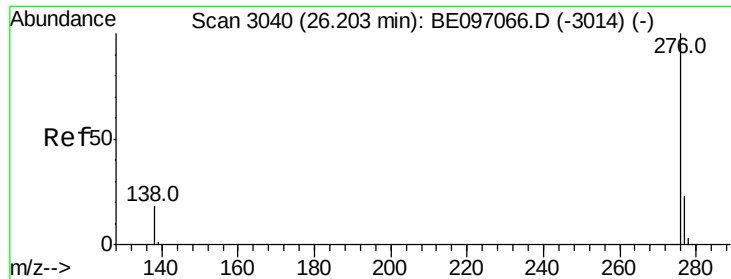
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#38
Dibenzo(a,h)anthracene
Concen: 0.388 ng
RT: 25.52 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BE097077.D
Acq: 24 Jul 2018 18:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	16.0	24.0
279	24.9	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 0.381 ng

RT: 26.20 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097077.D

Acq: 24 Jul 2018 18:27

Instrument :

BNA_E

ClientSampleId :

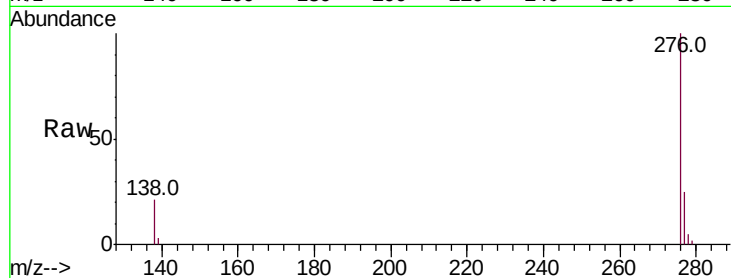
RE123D3-071818MSD

Tot Ion:	276	Resp:	10866
Ion Ratio	Lower	Upper	
276	100		
277	24.8	16.0	24.0#
138	21.0	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

