Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101818\
Data File : BE097971.D
Acq On : 18 Oct 2018 11:14
Operator : SJ/JU
Sample : J5317-04MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

Manual Integrations APPROVED
Sohil
10/19/2018 3:59:15 PM

Quant Time: Oct 19 01:20:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 15:36:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2043	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	9059	0.40	ng		0.00
13) Acenaphthene-d10	14.56	164	5969	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	17091	0.40	ng		-0.01
27) Chrysene-d12	21.48	240	20847	0.40	ng		-0.01
34) Perylene-d12	24.03	264	20639	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	1259	0.20	ng		0.00
5) Phenol-d6	7.06	99	1137	0.12	ng		0.00
8) Nitrobenzene-d5	9.04	82	3444	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.30	152	5898m	0.39	ng		0.00
14) 2,4,6-Tribromophenol	16.04	330	1349	0.42	ng		0.00
15) 2-Fluorobiphenyl	13.17	172	11268	0.46	ng		0.00
25) Fluoranthene-d10	19.33	212	93655	0.40	ng		0.00
29) Terphenyl-d14	19.92	244	24325	0.51	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	1228	0.345	ng	#	72
3) n-Nitrosodimethylamine	3.68	42	656	0.165	ng	#	86
6) bis(2-Chloroethyl)ether	7.30	93	2966	0.367	ng		96
9) Naphthalene	10.74	128	39836	0.442	ng		100
10) Hexachlorobutadiene	11.03	225	1778	0.366	ng		94
12) 2-Methylnaphthalene	12.37	142	7170	0.464	ng		99
16) Acenaphthylene	14.27	152	11769	0.427	ng		98
17) Acenaphthene	14.62	154	6880	0.408	ng		99
18) Fluorene	15.59	166	10285	0.444	ng		99
20) 4-Bromophenyl-phenylether	16.49	248	3737	0.400	ng	#	91
21) Hexachlorobenzene	16.60	284	3612	0.393	ng		98
22) Pentachlorophenol	16.95	266	1679	0.684	ng		96
23) Phenanthrene	17.34	178	19152	0.441	ng		100
24) Anthracene	17.43	178	18311	0.446	ng		99
26) Fluoranthene	19.35	202	25016	0.439	ng		98
28) Pyrene	19.72	202	25970	0.432	ng		100
30) Benzo(a)anthracene	21.46	228	27752	0.434	ng		97
31) Chrysene	21.51	228	26653	0.440	ng		97
32) Bis(2-ethylhexyl)phthalate	21.39	149	67670	0.476	ng		100
33) Indeno(1,2,3-cd)pyrene	26.72	276	27761	0.422	ng		99
35) Benzo(b)fluoranthene	23.25	252	26678	0.449	ng	#	91
36) Benzo(k)fluoranthene	23.30	252	26242	0.424	ng	#	92
37) Benzo(a)pyrene	23.91	252	24173	0.418	ng	#	93
38) Dibenzo(a,h)anthracene	26.75	278	23618	0.417	ng	#	94
39) Benzo(g,h,i)perylene	27.55	276	19991	0.344	ng		94

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

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Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

Manual Integrations APPROVED
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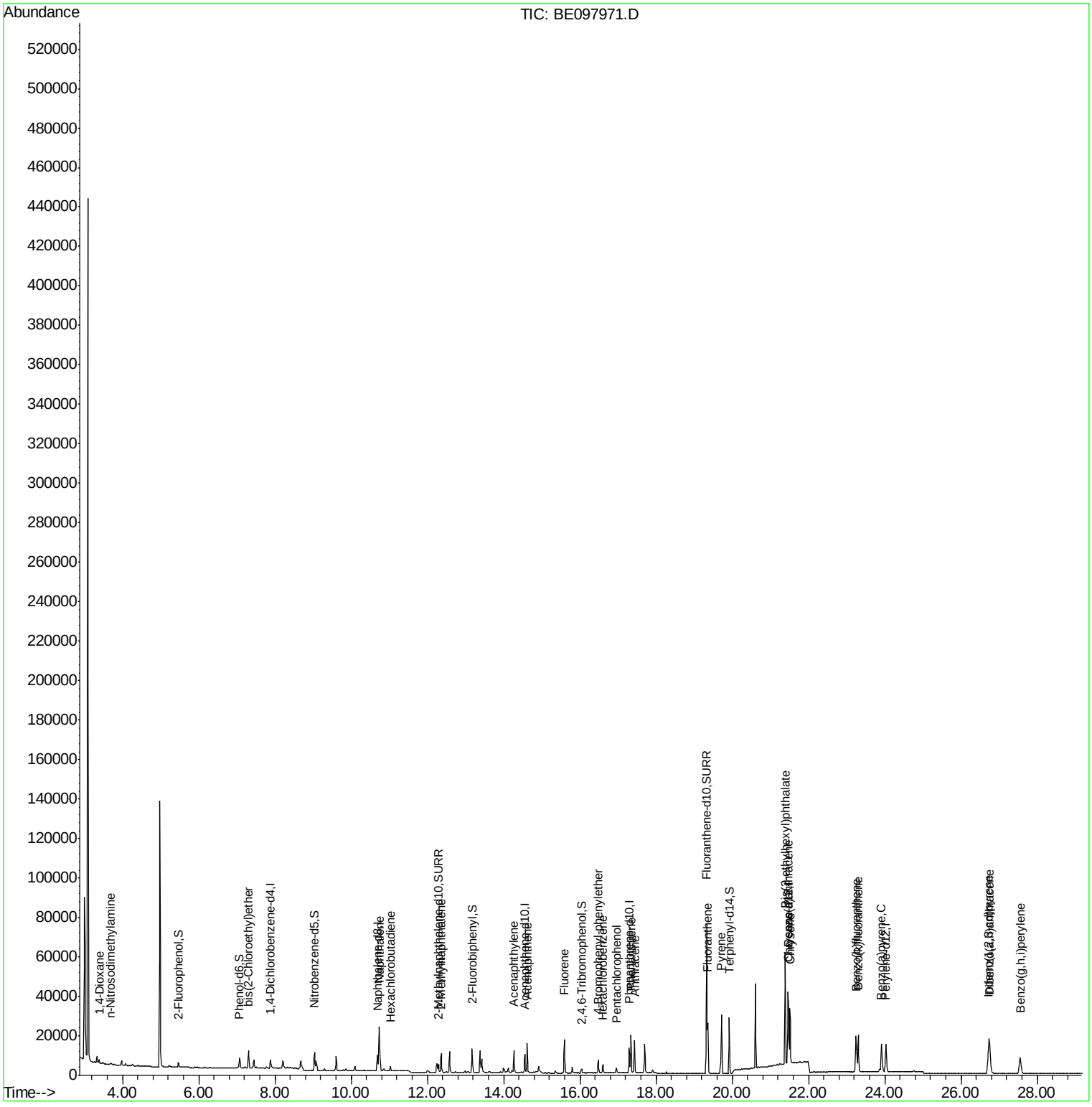
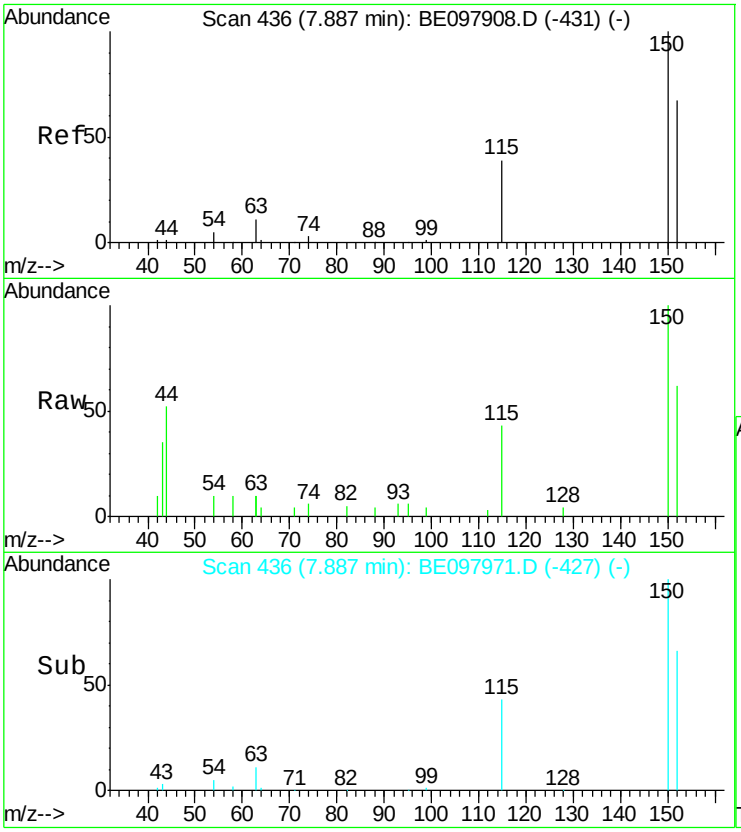
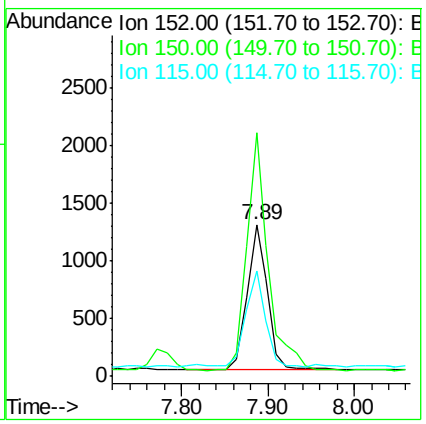




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:152 Resp: 2043

Ion	Ratio	Lower	Upper
152	100		
150	160.7	118.2	177.4
115	69.4	50.9	76.3



Instrument :
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ClientSampleId :
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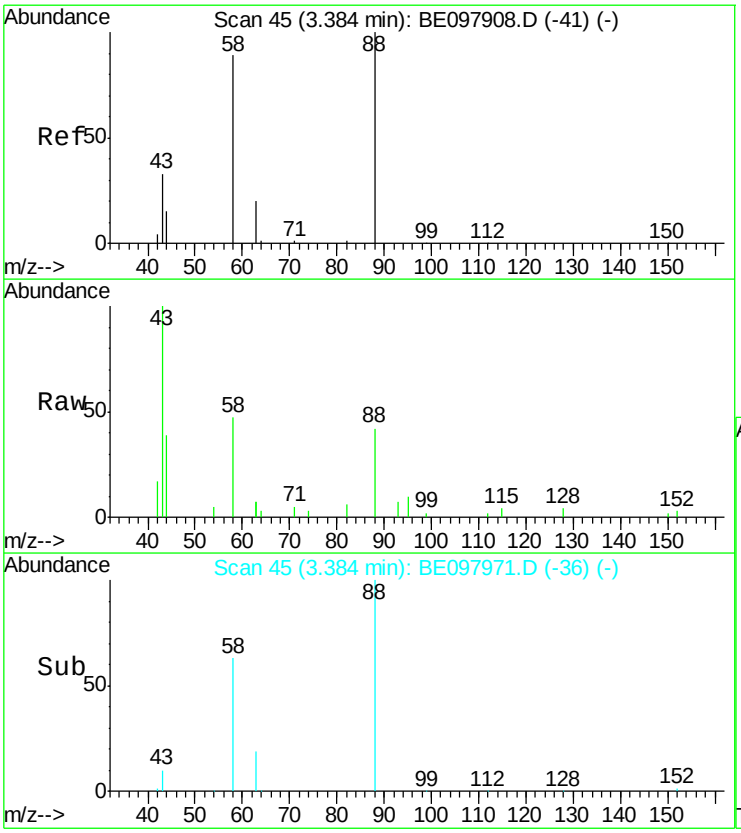
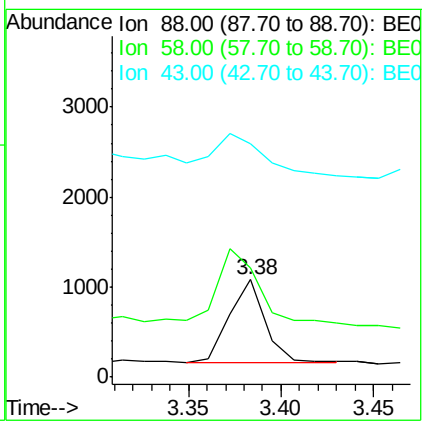
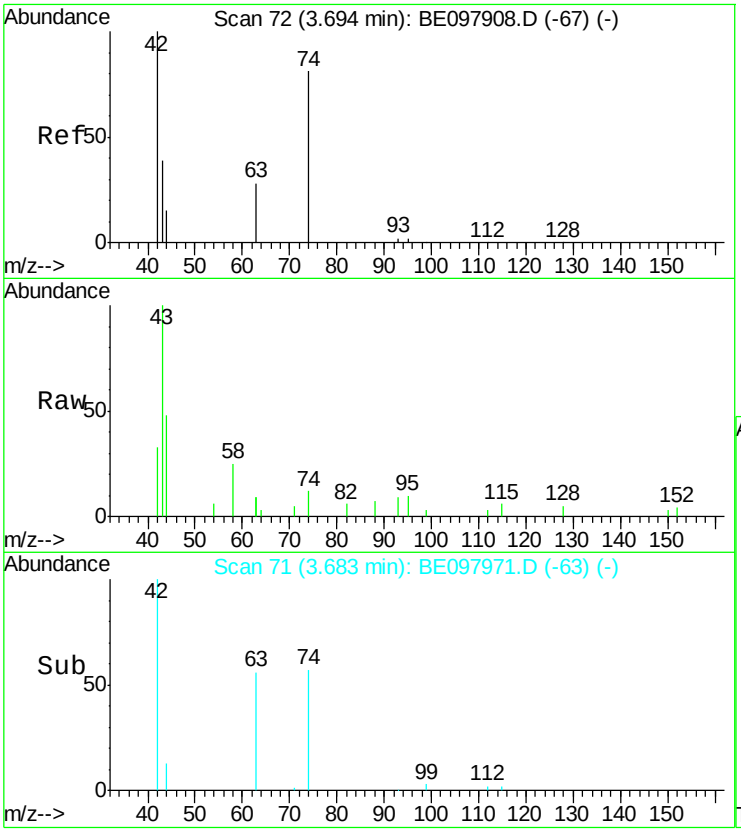


#2
1,4-Dioxane
Concen: 0.345 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion: 88 Resp: 1228

Ion	Ratio	Lower	Upper
88	100		
58	108.0	73.2	109.8
43	78.4	36.9	55.3#

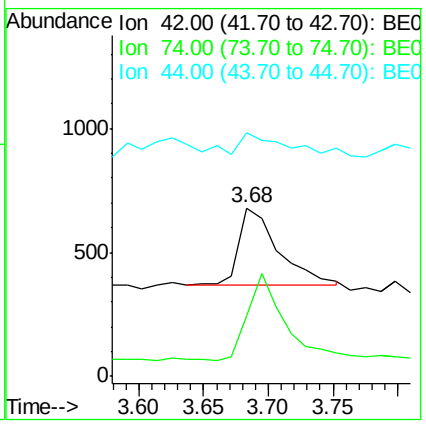




#3
n-Nitrosodimethylamine
Concen: 0.165 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion: 42 Resp: 656

Ion	Ratio	Lower	Upper
42	100		
74	106.9	77.6	116.4
44	27.4	7.6	11.4#



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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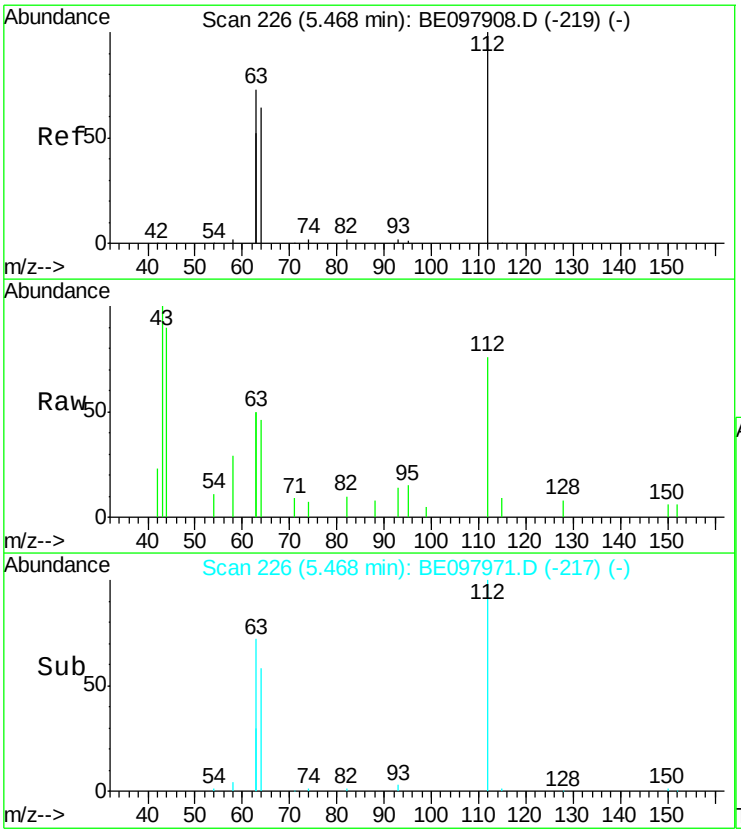
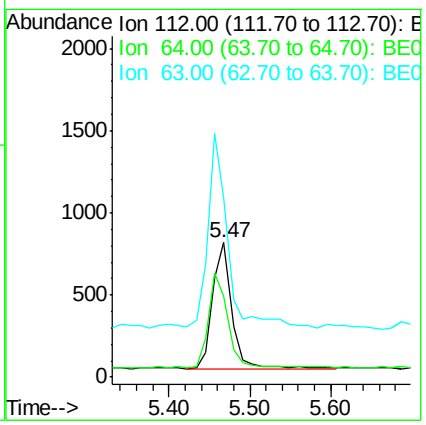
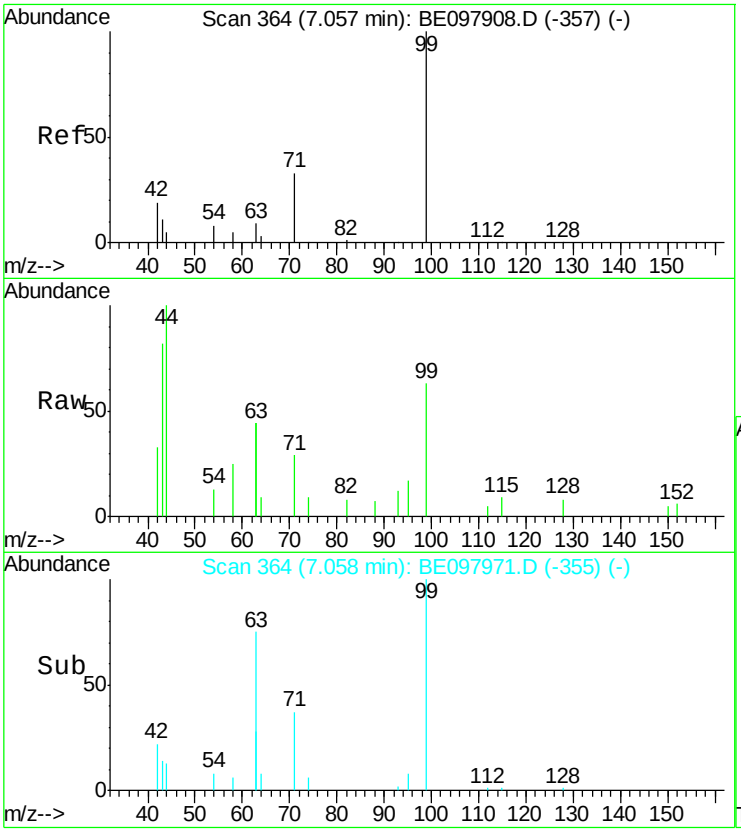


#4
2-Fluorophenol
Concen: 0.195 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:112 Resp: 1259

Ion	Ratio	Lower	Upper
112	100		
64	75.8	58.9	88.3
63	159.3	120.3	180.5

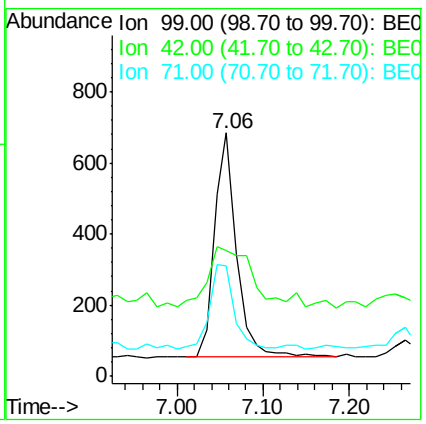




#5
Phenol-d6
Concen: 0.119 ng
RT: 7.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion: 99 Resp: 1137

Ion	Ratio	Lower	Upper
99	100		
42	55.4	19.9	29.9#
71	40.6	27.8	41.8



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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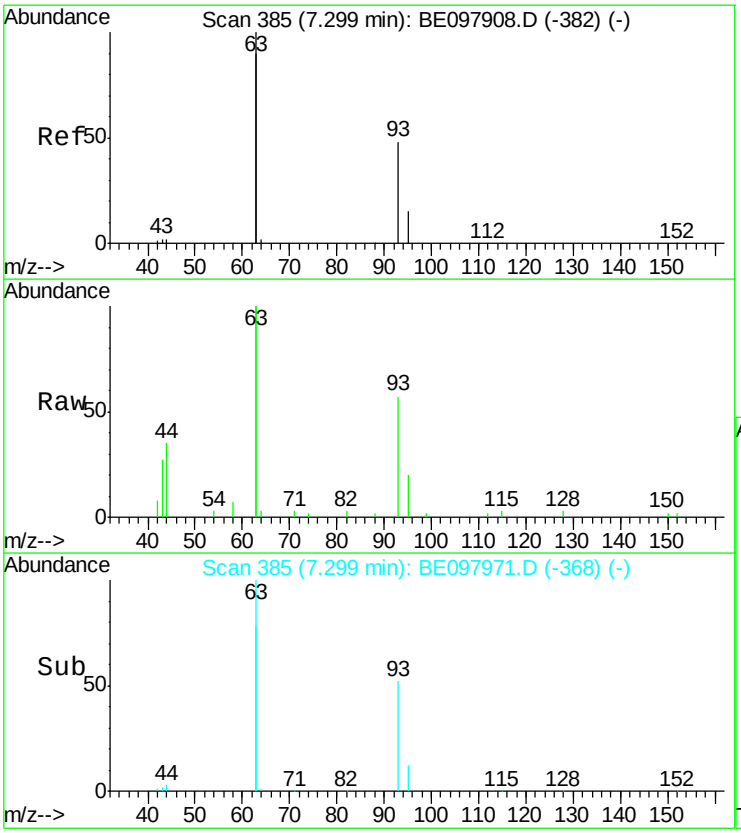
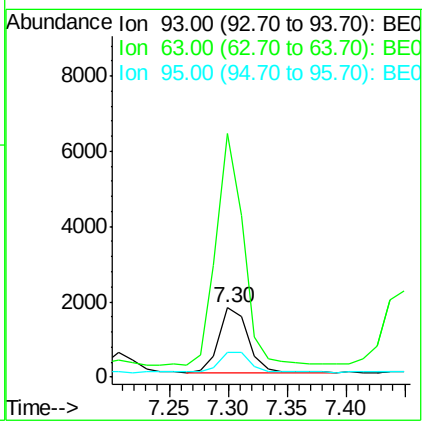
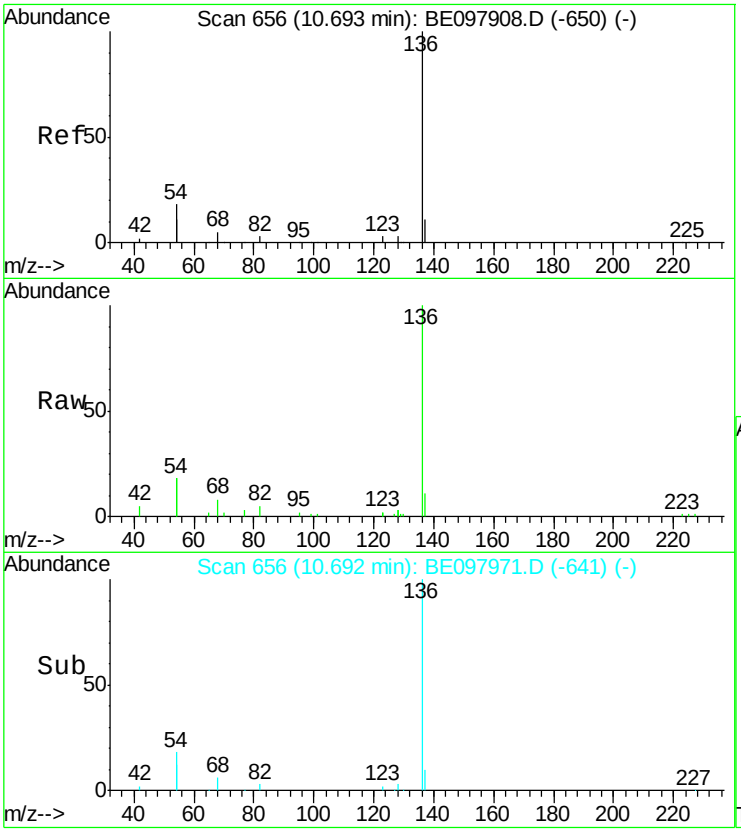


#6
bis(2-Chloroethyl)ether
Concen: 0.367 ng
RT: 7.30 min Scan# 385
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion: 93 Resp: 2966

Ion	Ratio	Lower	Upper
93	100		
63	331.9	259.0	388.4
95	33.6	27.8	41.8

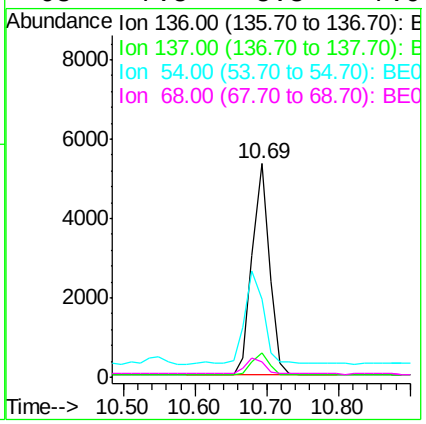




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:136 Resp: 9059

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	36.4	27.7	41.5
68	7.5	5.3	7.9



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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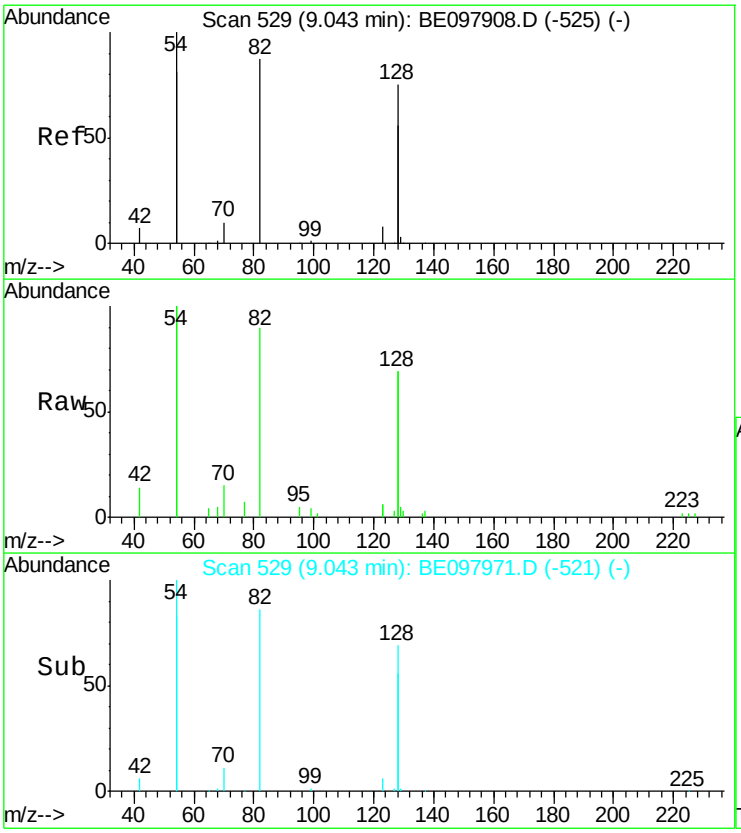
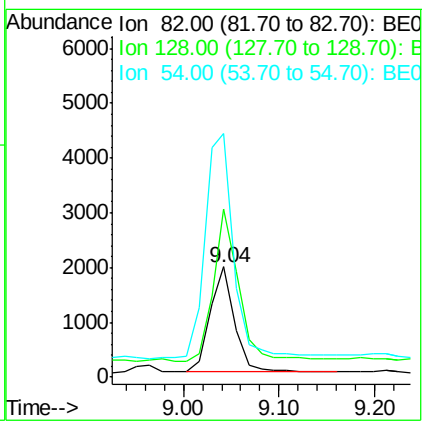
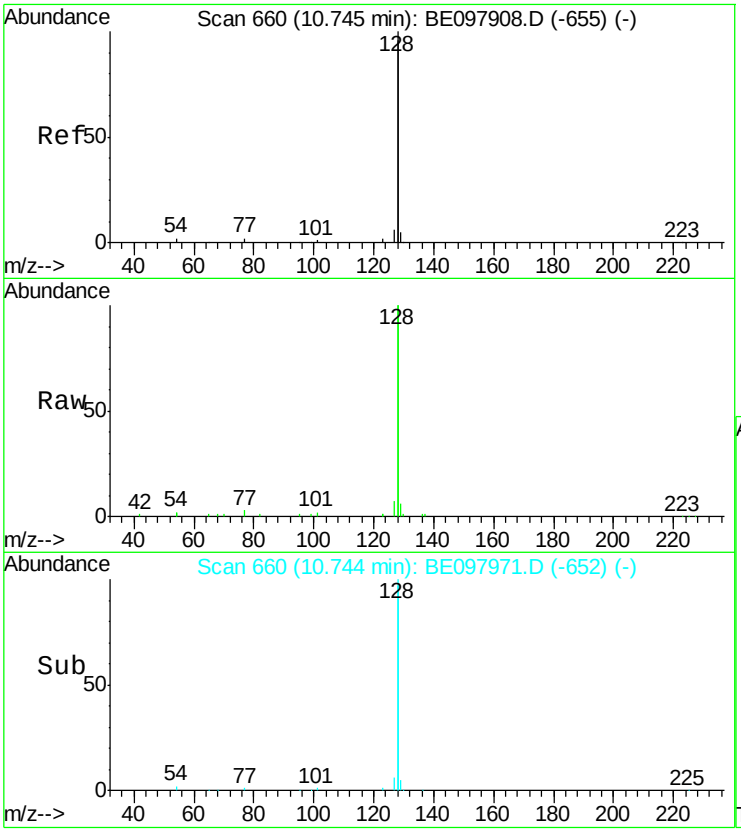


#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 9.04 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion: 82 Resp: 3444

Ion	Ratio	Lower	Upper
82	100		
128	153.4	129.9	194.9
54	221.4	174.0	261.0

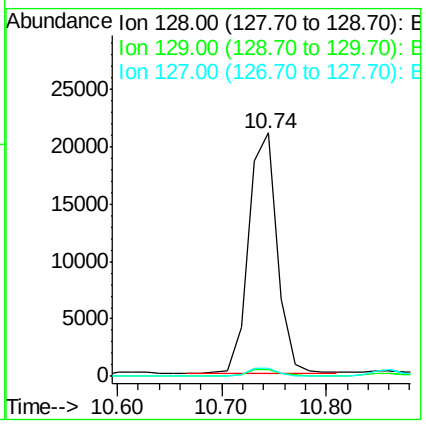




#9
Naphthalene
Concen: 0.442 ng
RT: 10.74 min Scan# 660
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:128 Resp: 39836

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.5	3.7
127	3.4	2.8	4.2



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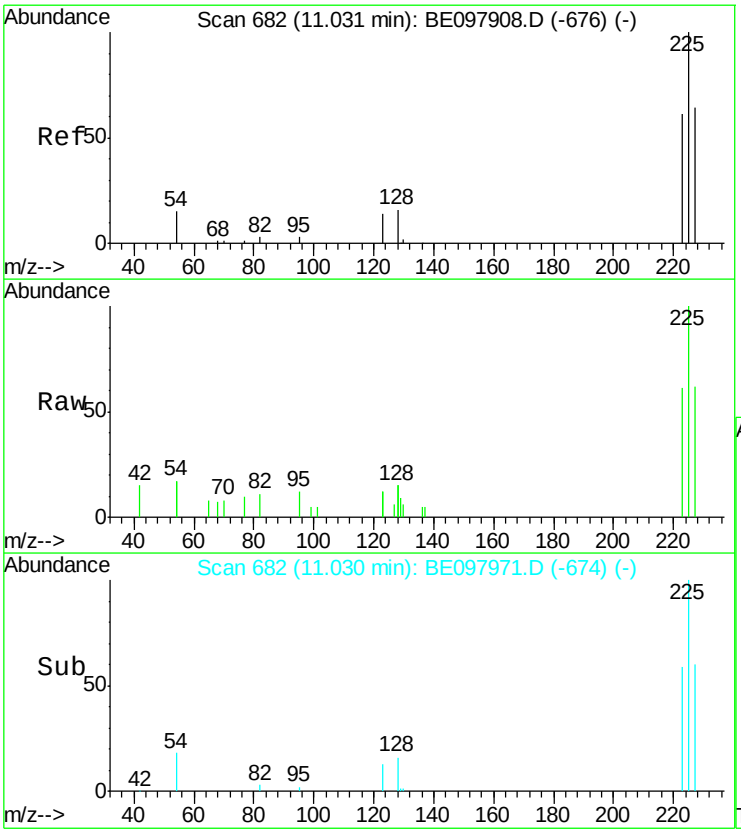
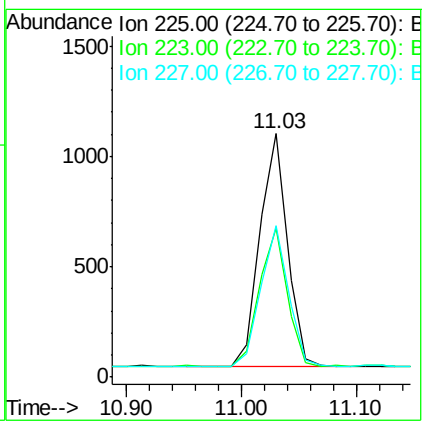
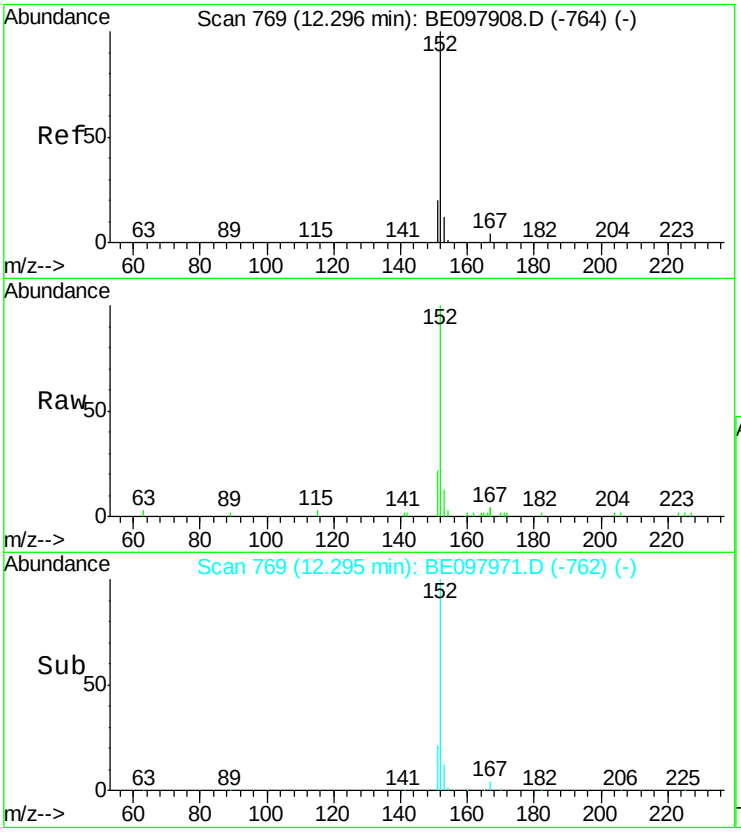


#10
Hexachlorobutadiene
Concen: 0.366 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:225 Resp: 1778

Ion	Ratio	Lower	Upper
225	100		
223	59.7	51.8	77.8
227	61.1	53.0	79.6

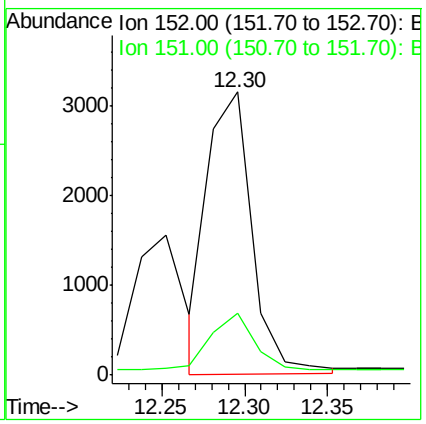




#11
2-Methylnaphthalene-d10
Concen: 0.391 ng m
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:152 Resp: 5898

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4



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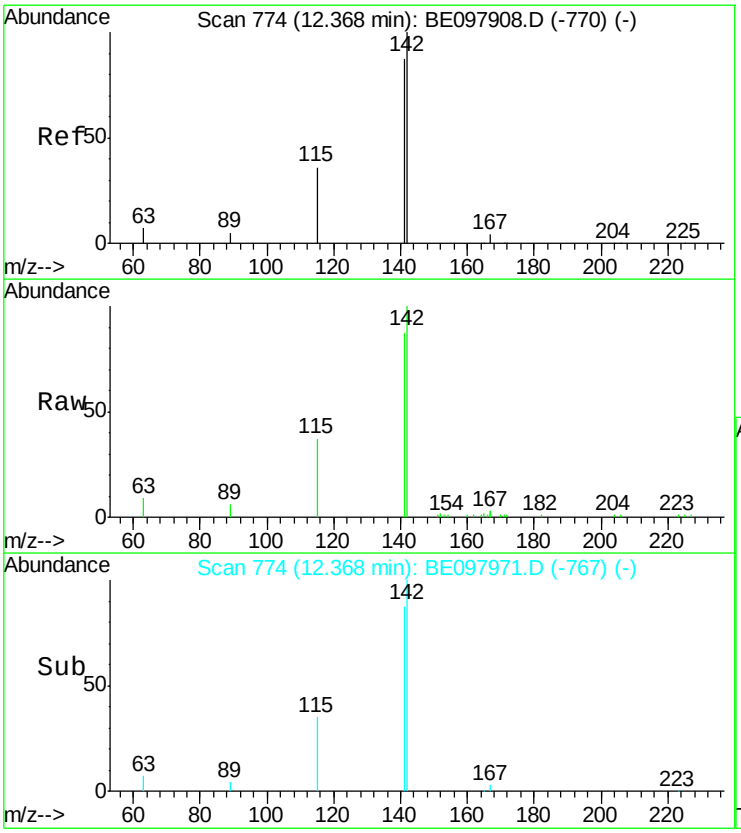
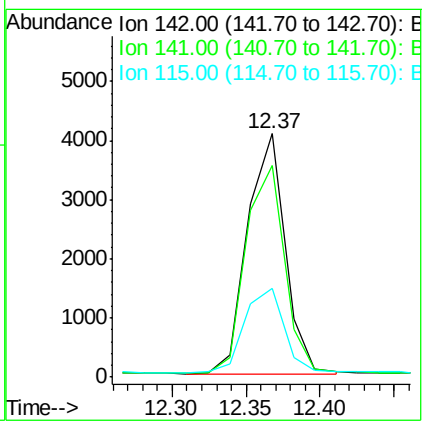
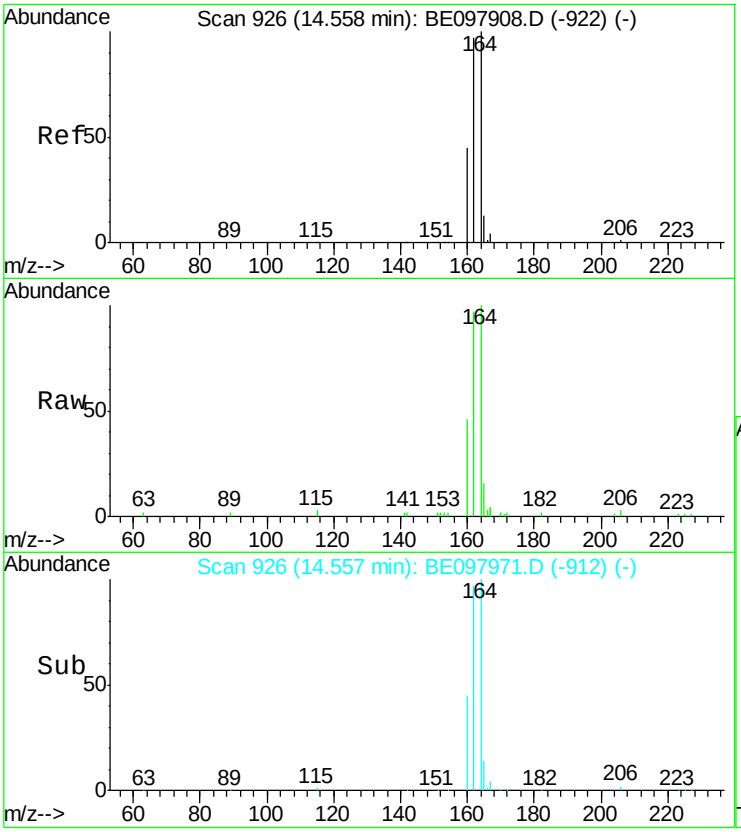


#12
2-Methylnaphthalene
Concen: 0.464 ng
RT: 12.37 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:142 Resp: 7170

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.8	104.6
115	36.6	30.5	45.7

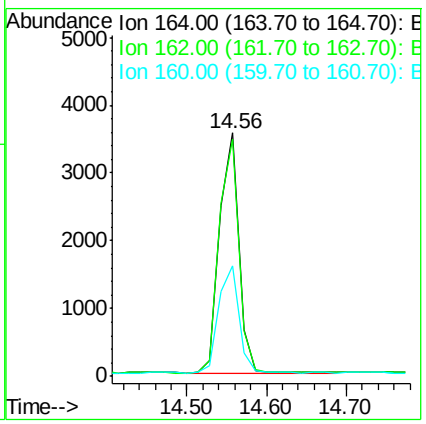




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:164 Resp: 5969

Ion	Ratio	Lower	Upper
164	100		
162	97.2	77.4	116.2
160	45.6	36.5	54.7



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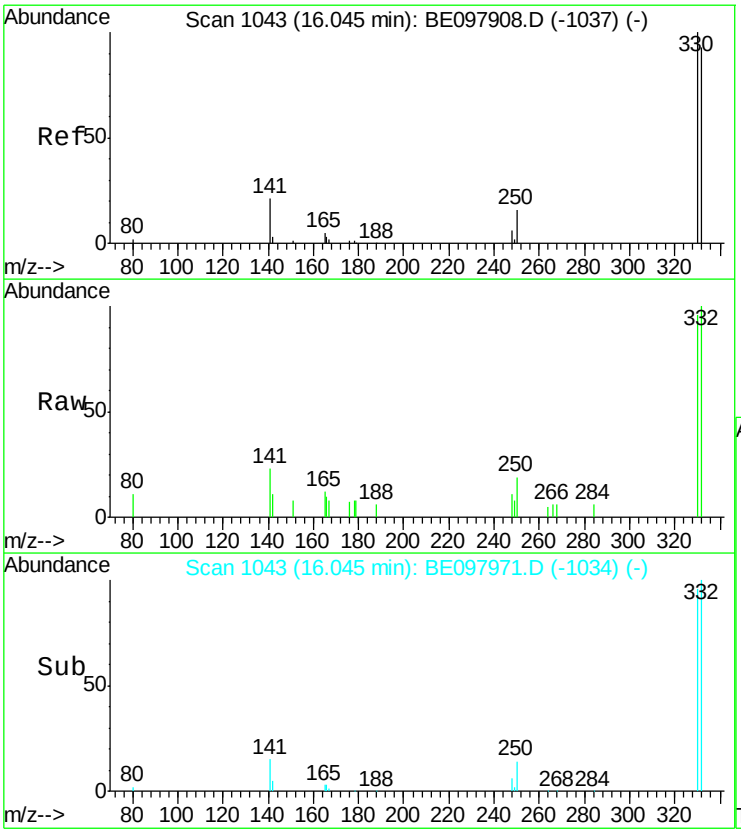
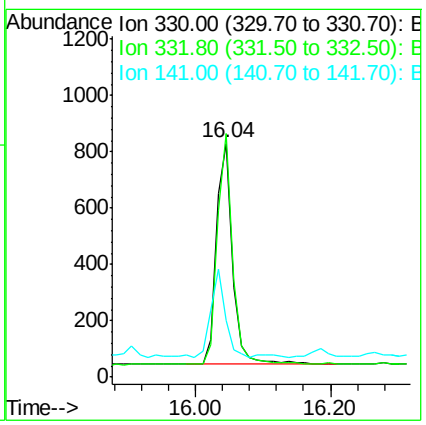
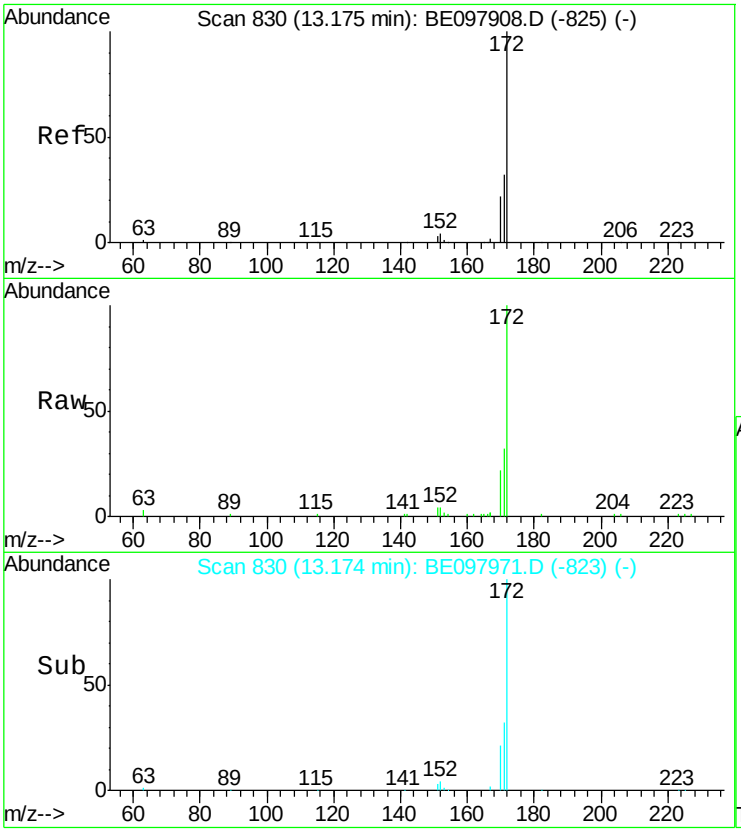


#14
2,4,6-Tribromophenol
Concen: 0.420 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:330 Resp: 1349

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.5	114.7
141	36.1	31.8	47.6

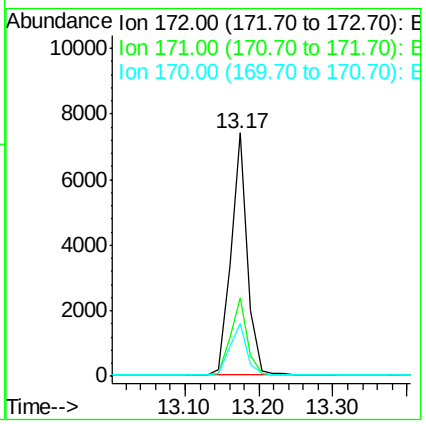




#15
2-Fluorobiphenyl
Concen: 0.462 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:172 Resp: 11268

Ion	Ratio	Lower	Upper
172	100		
171	32.2	26.0	39.0
170	22.0	18.0	27.0



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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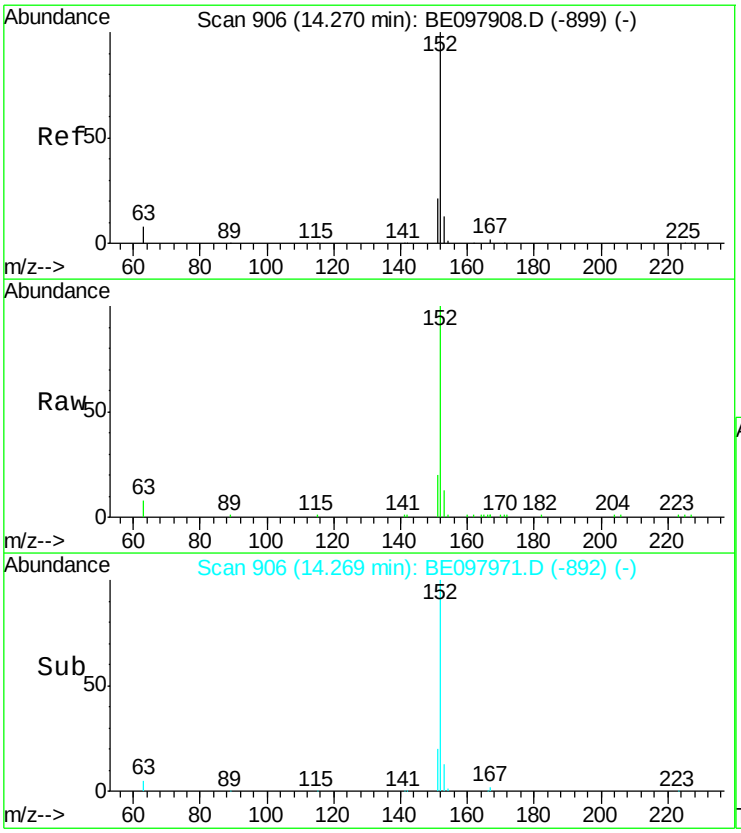
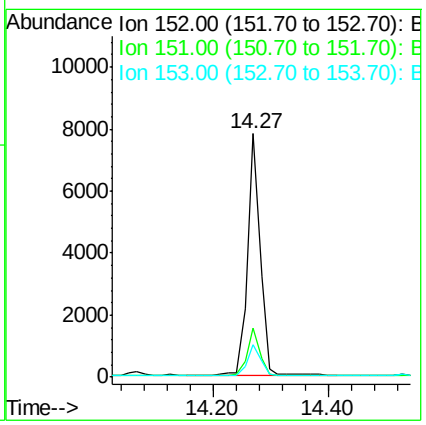
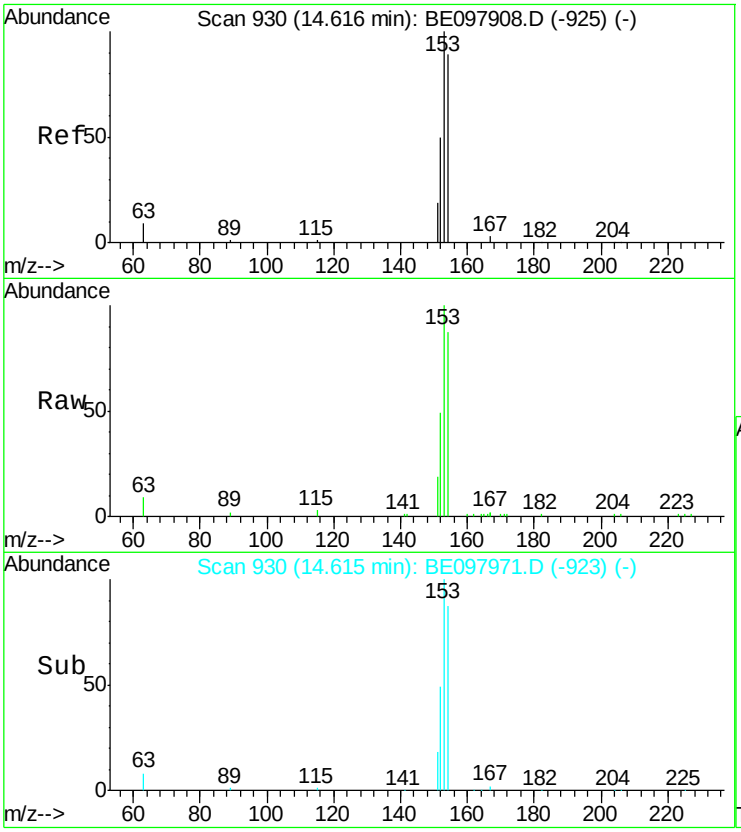


#16
Acenaphthylene
Concen: 0.427 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:152 Resp: 11769

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.1	24.1
153	12.9	10.9	16.3

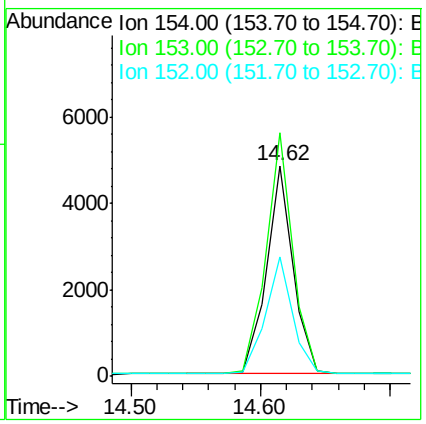




#17
Acenaphthene
Concen: 0.408 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:154 Resp: 6880

Ion	Ratio	Lower	Upper
154	100		
153	116.9	92.6	139.0
152	57.8	45.5	68.3



Instrument :
BNA_E
ClientSampleId :
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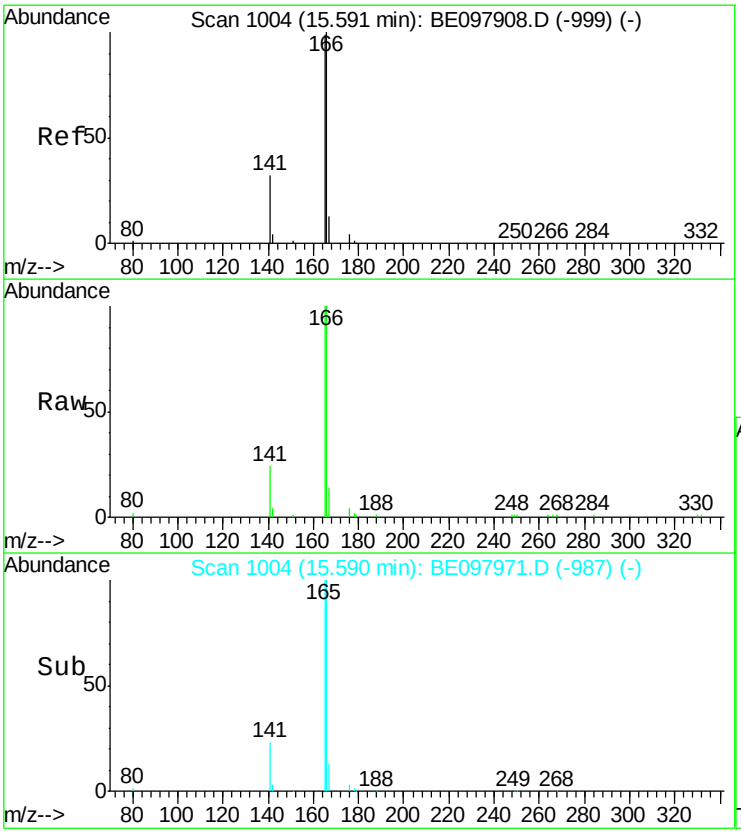
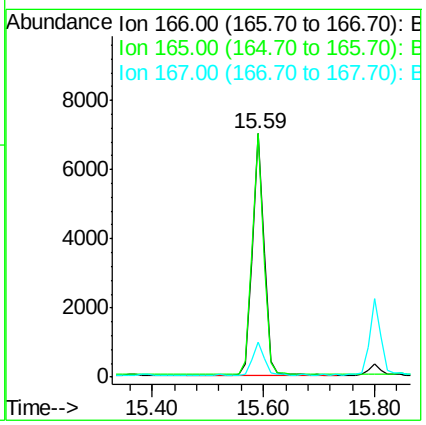
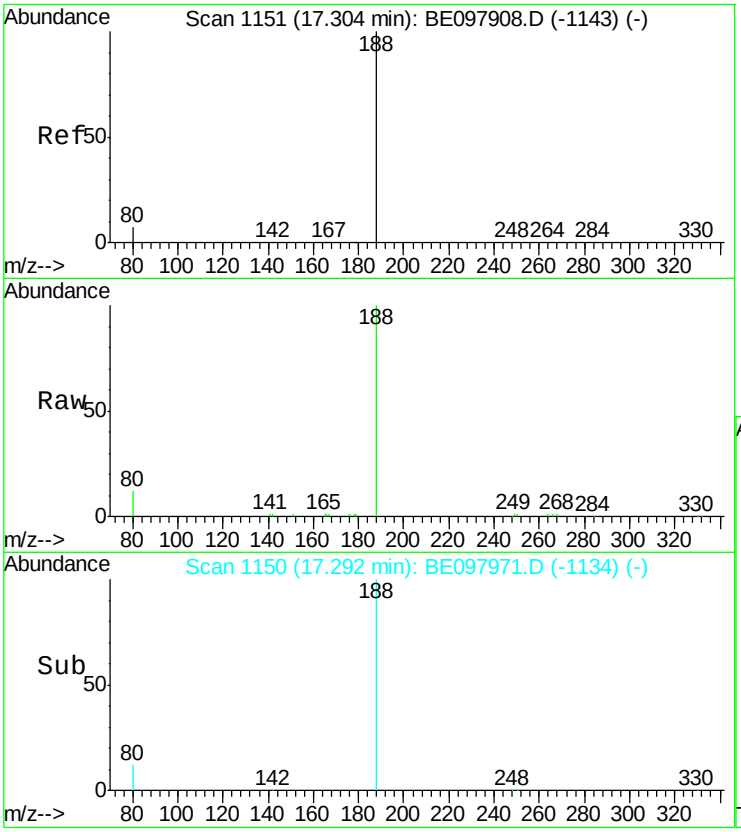


#18
Fluorene
Concen: 0.444 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:166 Resp: 10285

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.5	11.0	16.6

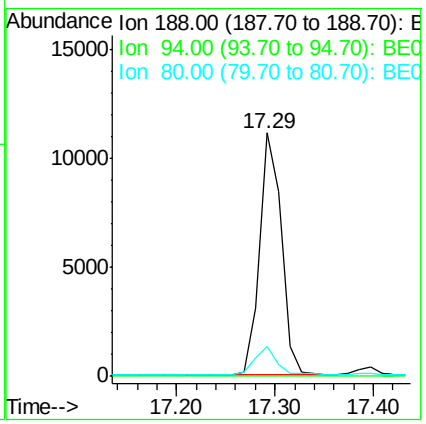




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:188 Resp: 17091

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	6.3	9.5#



Instrument :
BNA_E
ClientSampleId :
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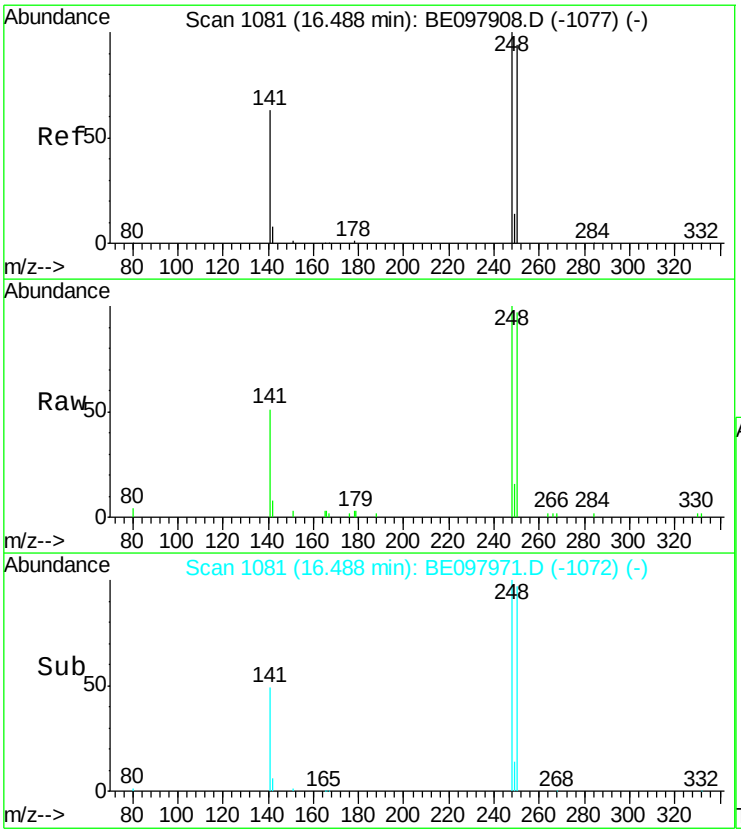
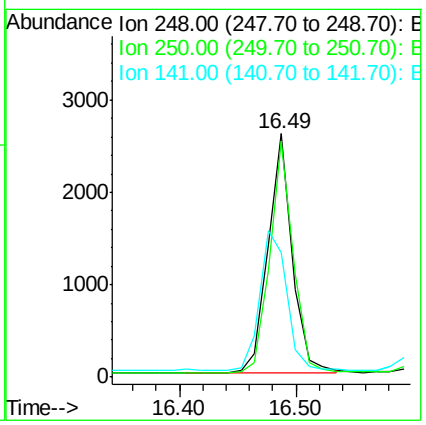
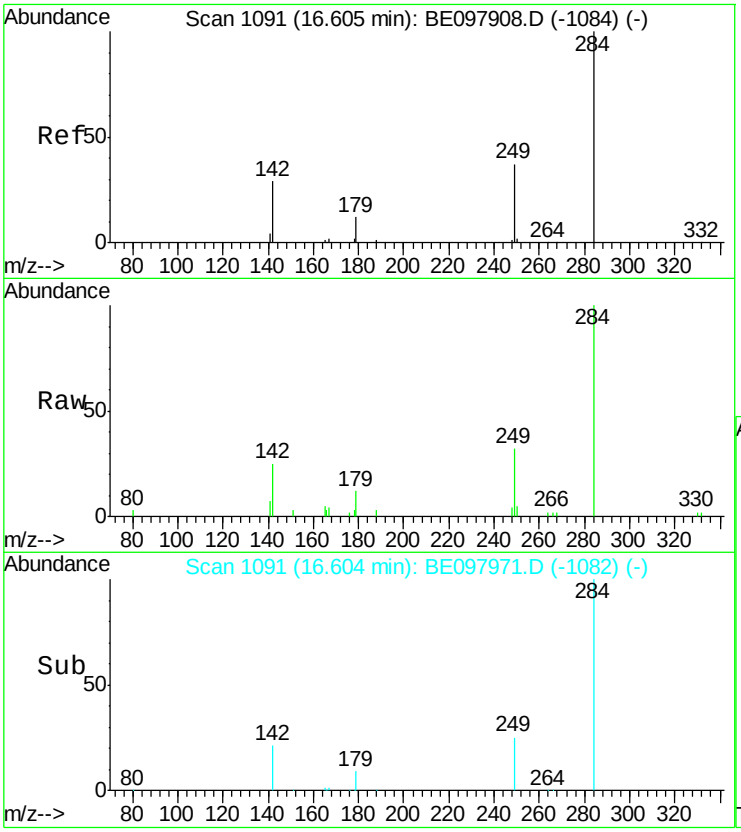


#20
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.49 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:248 Resp: 3737

Ion	Ratio	Lower	Upper
248	100		
250	96.8	75.1	112.7
141	51.2	51.8	77.8#

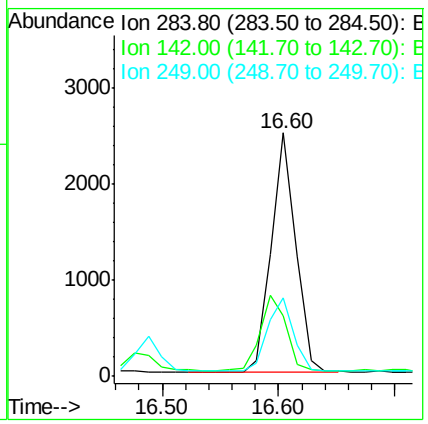




#21
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:284 Resp: 3612

Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.9	38.9
249	32.2	26.6	40.0



Instrument :
BNA_E
ClientSampleId :
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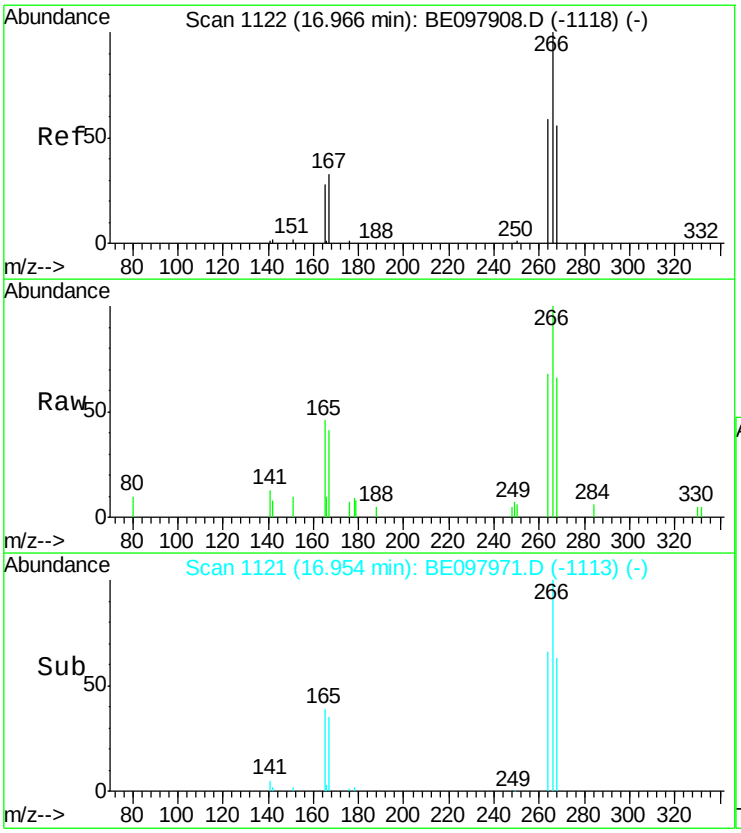
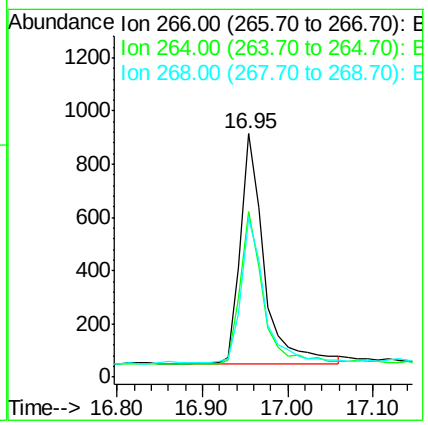
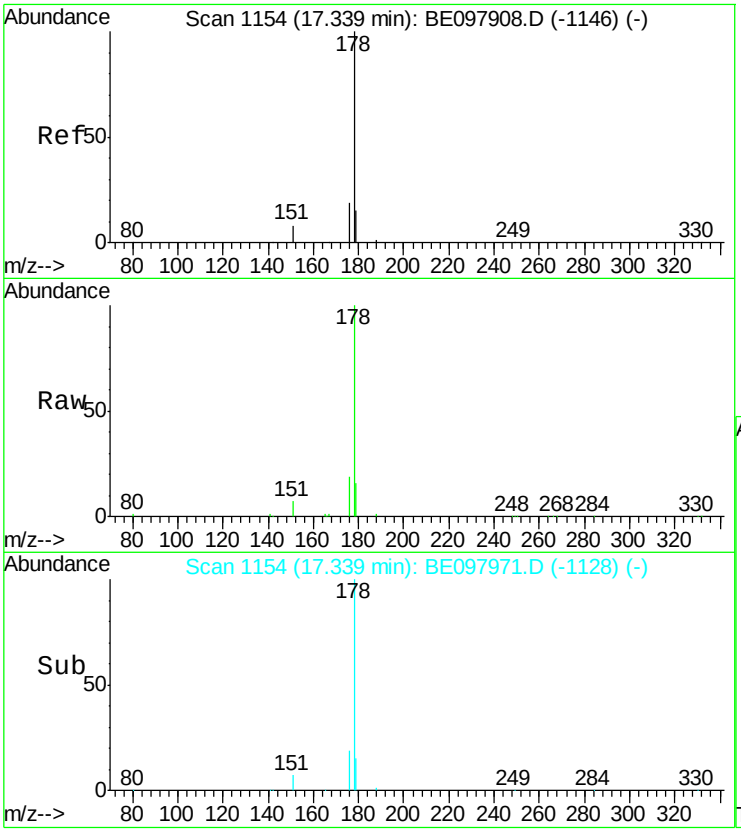


#22
Pentachlorophenol
Concen: 0.684 ng
RT: 16.95 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:266 Resp: 1679

Ion	Ratio	Lower	Upper
266	100		
264	68.1	51.3	76.9
268	65.6	50.1	75.1

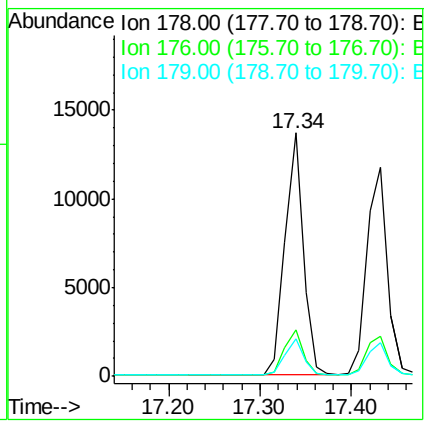




#23
Phenanthrene
Concen: 0.441 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:178 Resp: 19152

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.3	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
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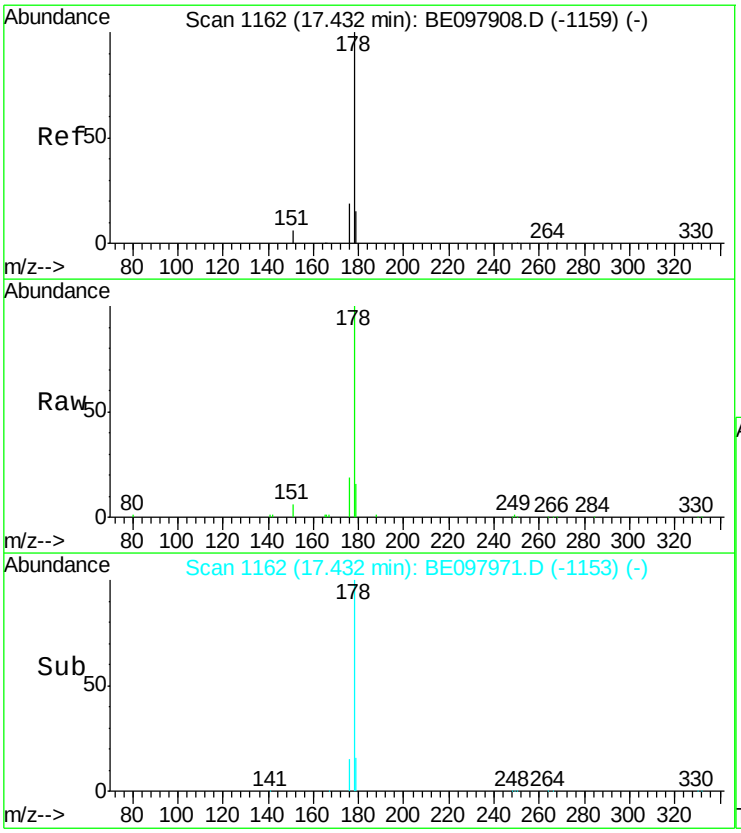
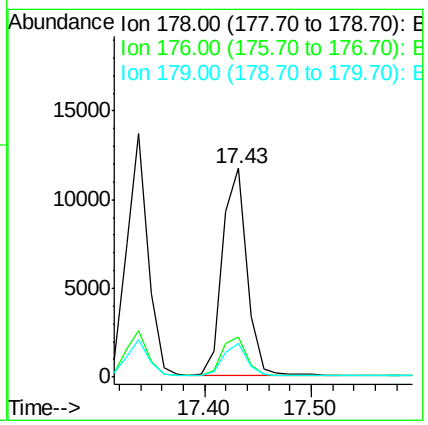
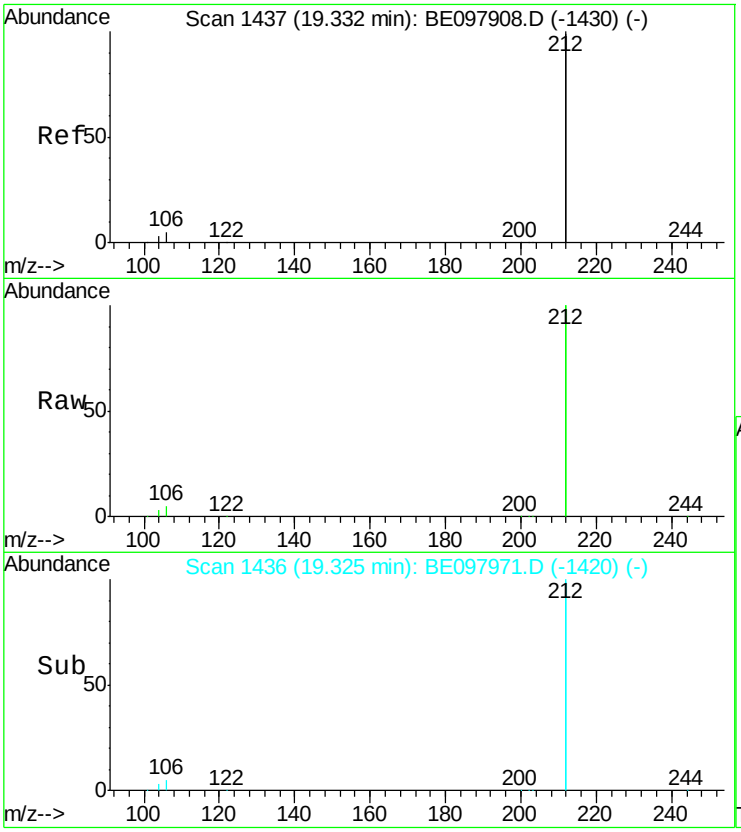


#24
Anthracene
Concen: 0.446 ng
RT: 17.43 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:178 Resp: 18311

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.2	11.9	17.9

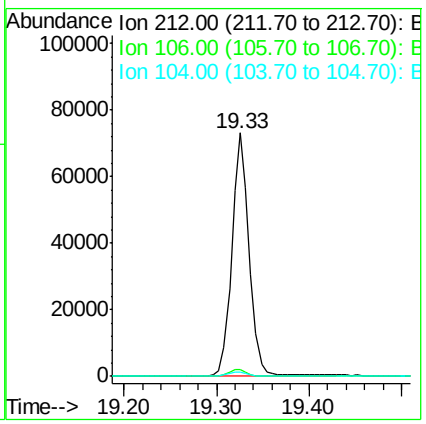




#25
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:212 Resp: 93655

Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.3	3.5
104	1.7	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
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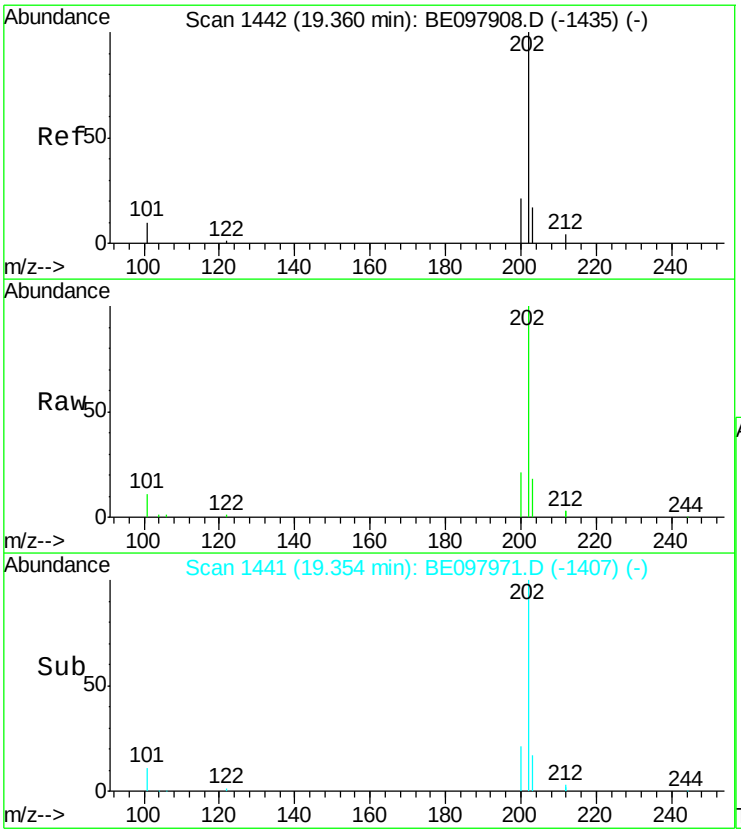
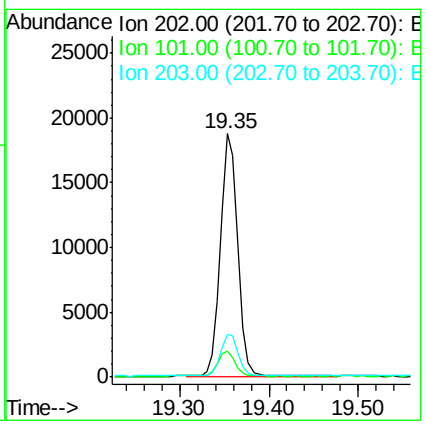
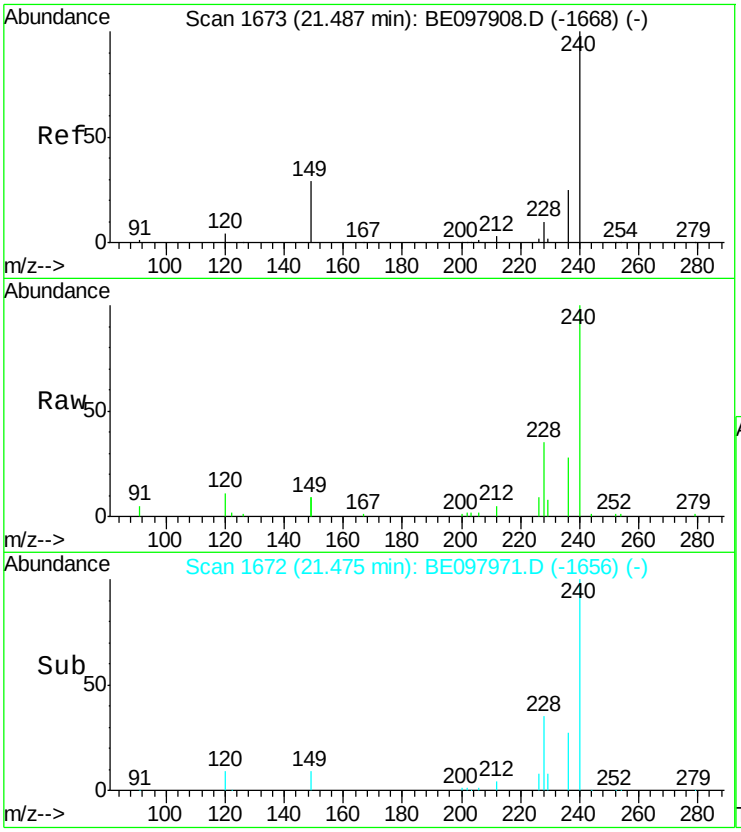


#26
Fluoranthene
Concen: 0.439 ng
RT: 19.35 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:202 Resp: 25016

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.2	12.2
203	17.3	15.0	22.4





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:240 Resp: 20847

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.1	10.7#
236	27.9	21.3	31.9

Instrument :
BNA_E
ClientSampleId :
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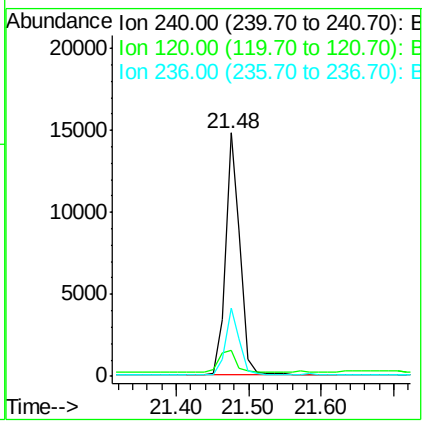
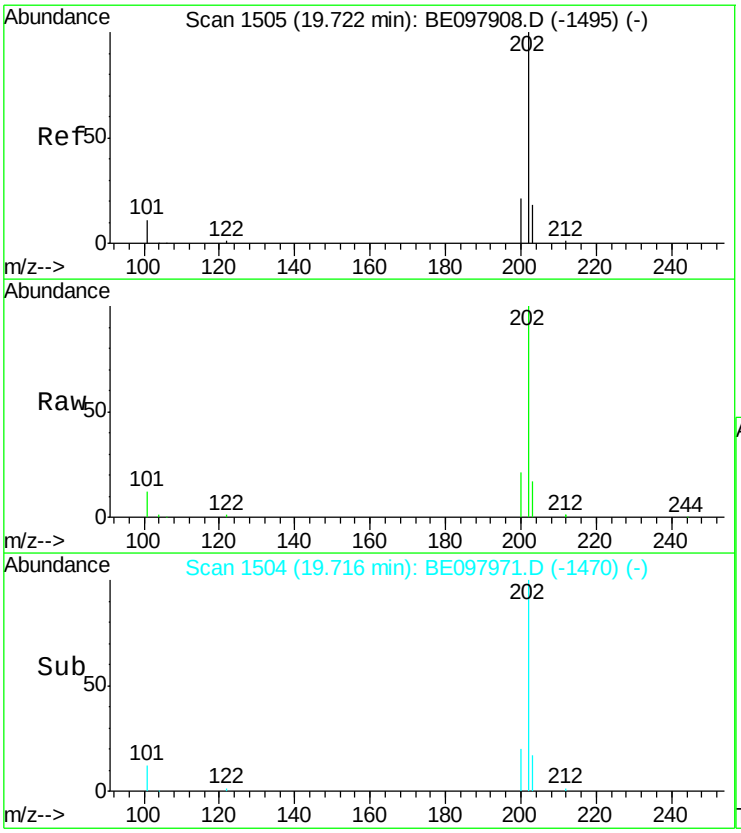
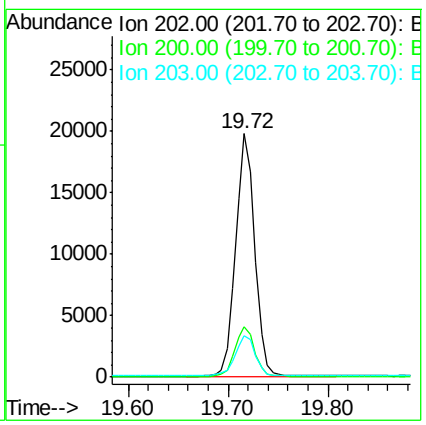


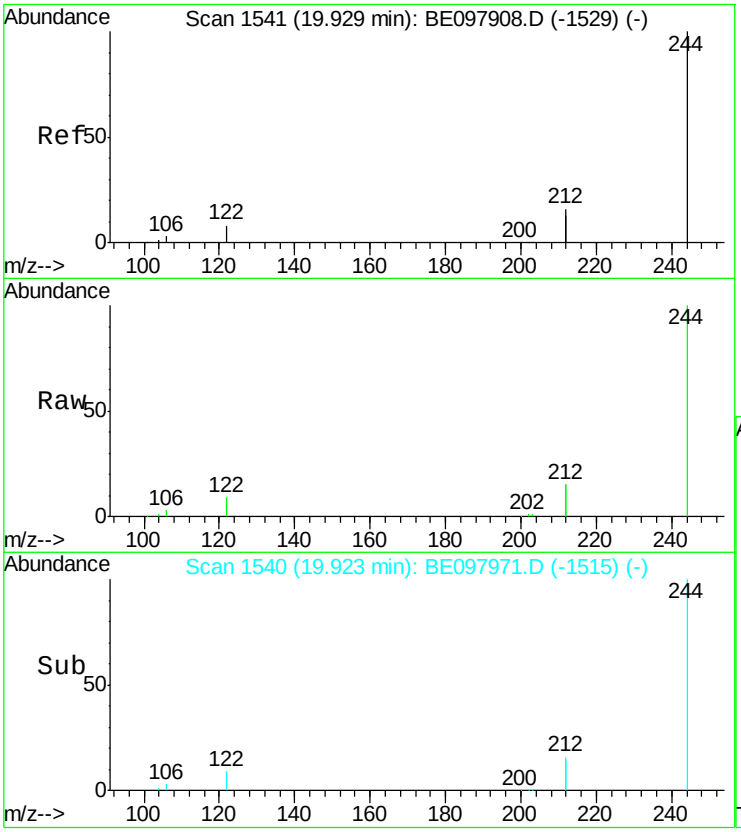


#28
Pyrene
Concen: 0.432 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:202 Resp: 25970

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.8	14.2	21.4

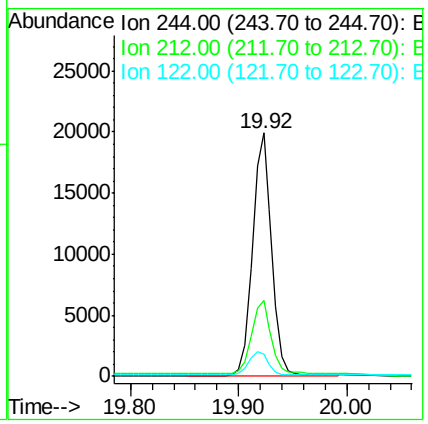




#29
Terphenyl-d14
Concen: 0.509 ng
RT: 19.92 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:244 Resp: 24325

Ion	Ratio	Lower	Upper
244	100		
212	30.9	26.2	39.2
122	9.2	7.7	11.5



Instrument :
BNA_E
ClientSampleId :
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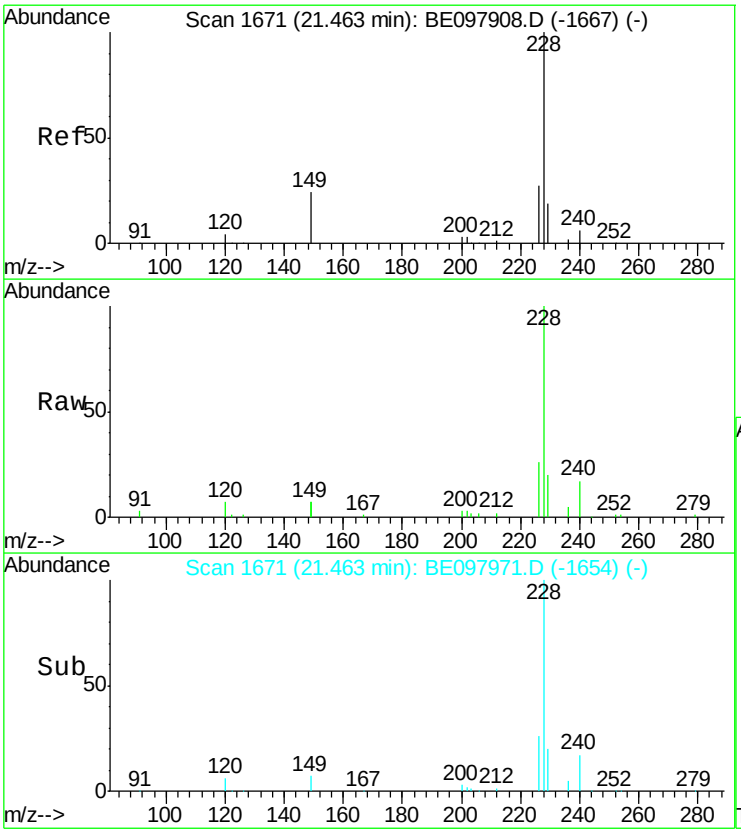
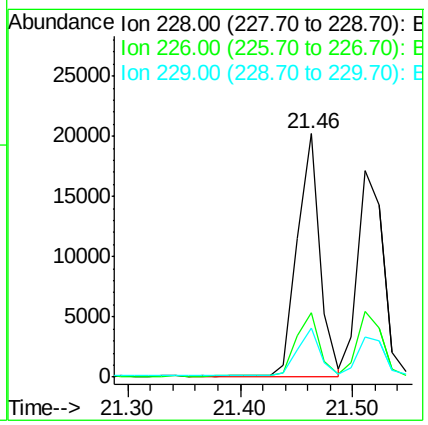
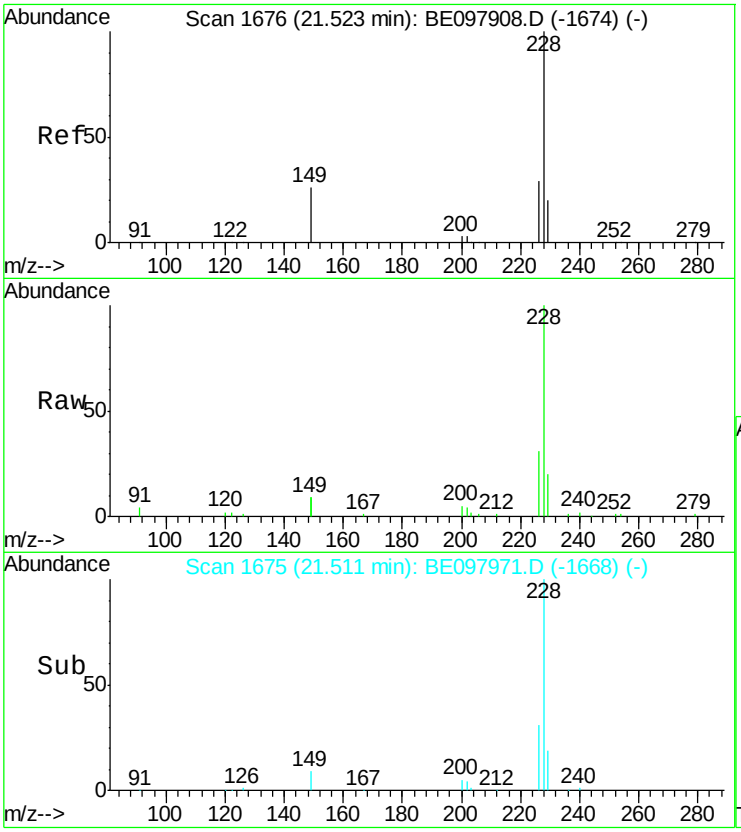


#30
Benzo(a)anthracene
Concen: 0.434 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:228 Resp: 27752

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.6	33.8
229	20.2	16.9	25.3

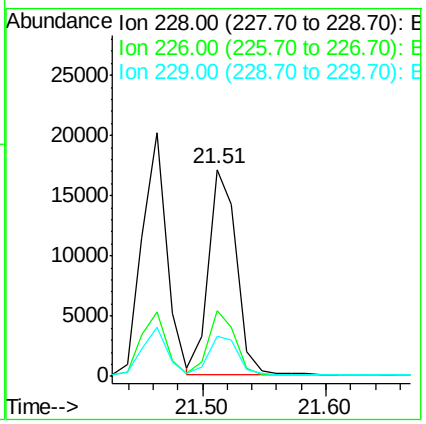




#31
Chrysene
Concen: 0.440 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:228 Resp: 26653

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.3	36.5
229	19.6	17.3	25.9



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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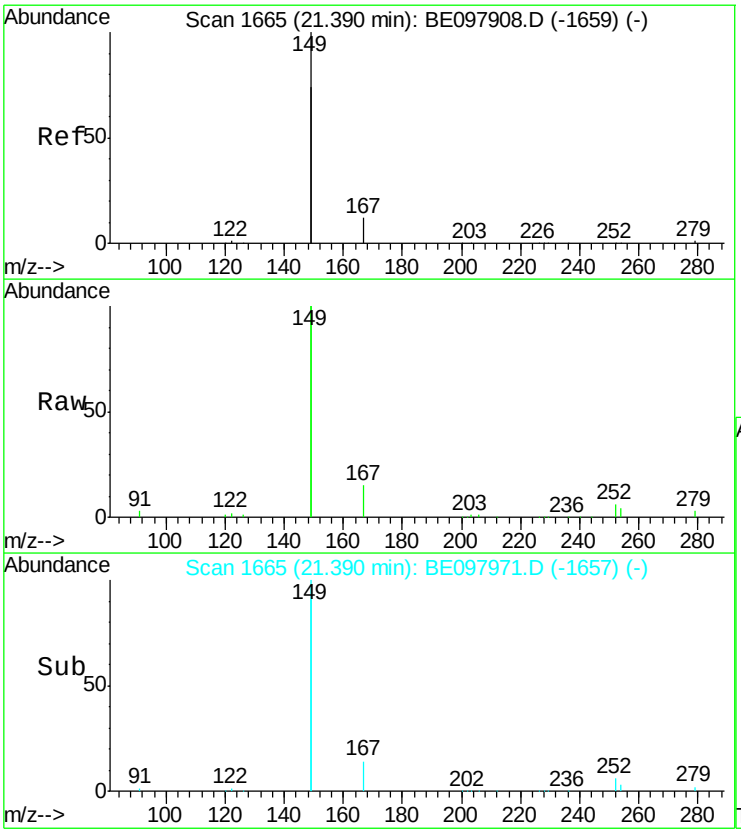
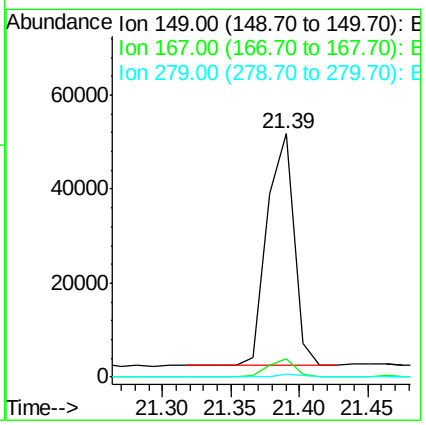
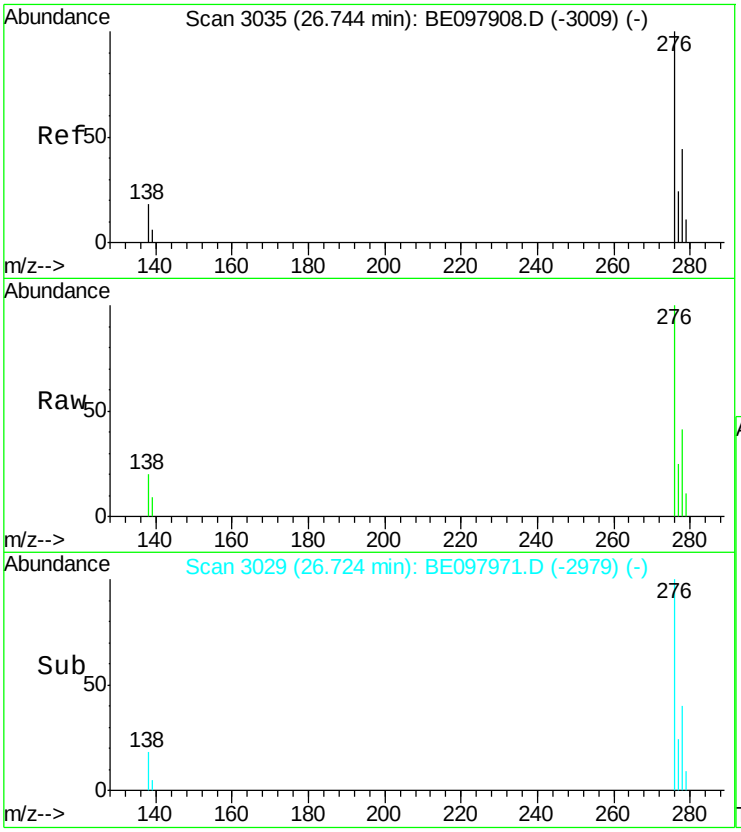


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.476 ng
RT: 21.39 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:149 Resp: 67670

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.6	8.4
279	1.1	0.9	1.3

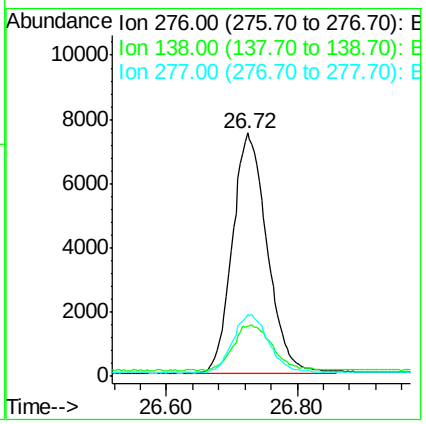




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.422 ng
RT: 26.72 min Scan# 3029
Delta R.T. -0.02 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:276 Resp: 27761

Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.0	25.6
277	24.8	20.5	30.7



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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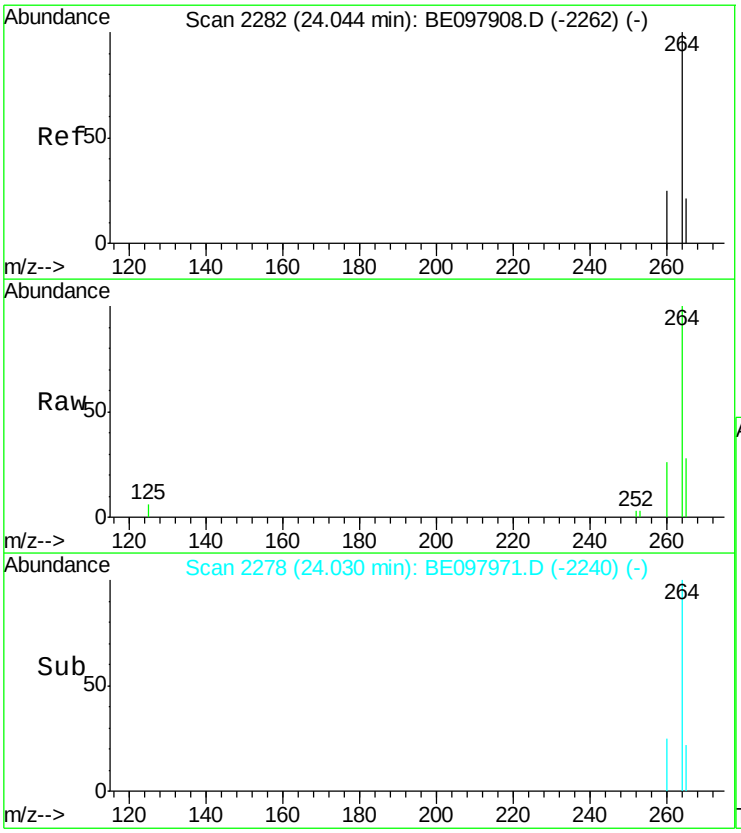
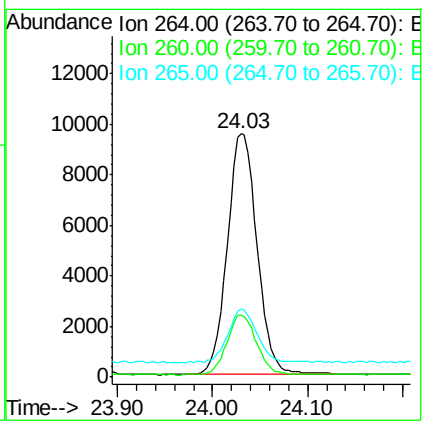
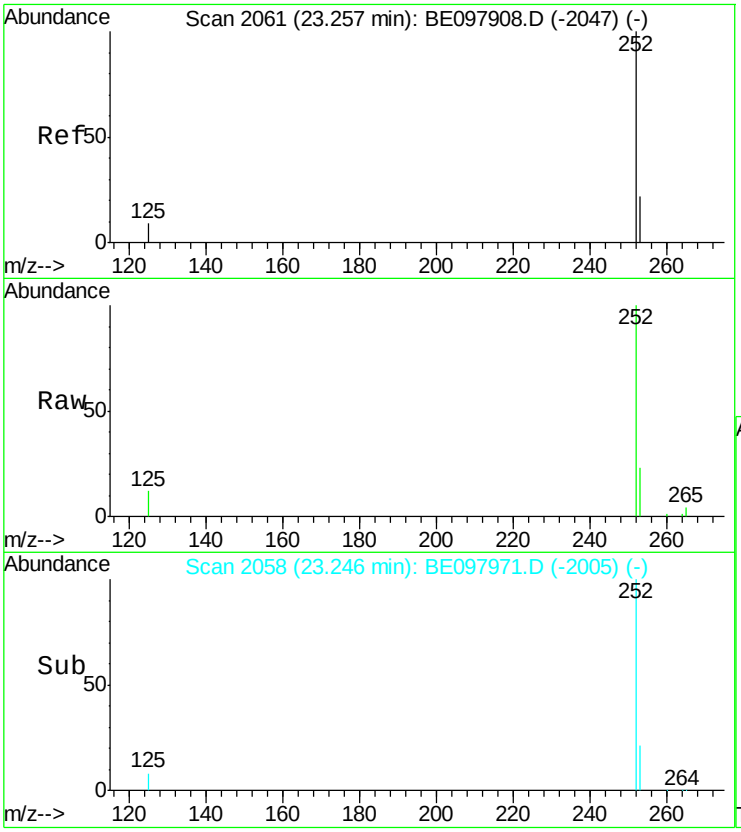


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.03 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:264 Resp: 20639

Ion	Ratio	Lower	Upper
264	100		
260	25.6	21.1	31.7
265	28.0	29.2	43.8#





#35
Benzo(b)fluoranthene
Concen: 0.449 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:252 Resp: 26678

Ion	Ratio	Lower	Upper
252	100		
253	22.7	20.6	31.0
125	12.2	14.3	21.5#

Instrument :
BNA_E
ClientSampleId :
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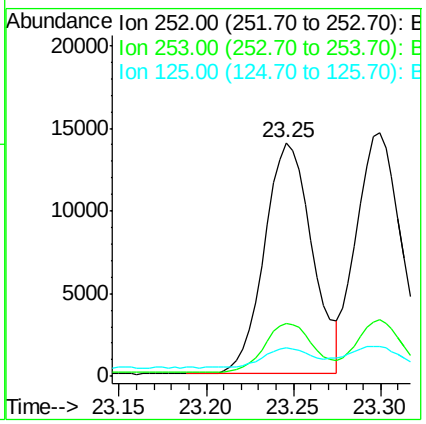
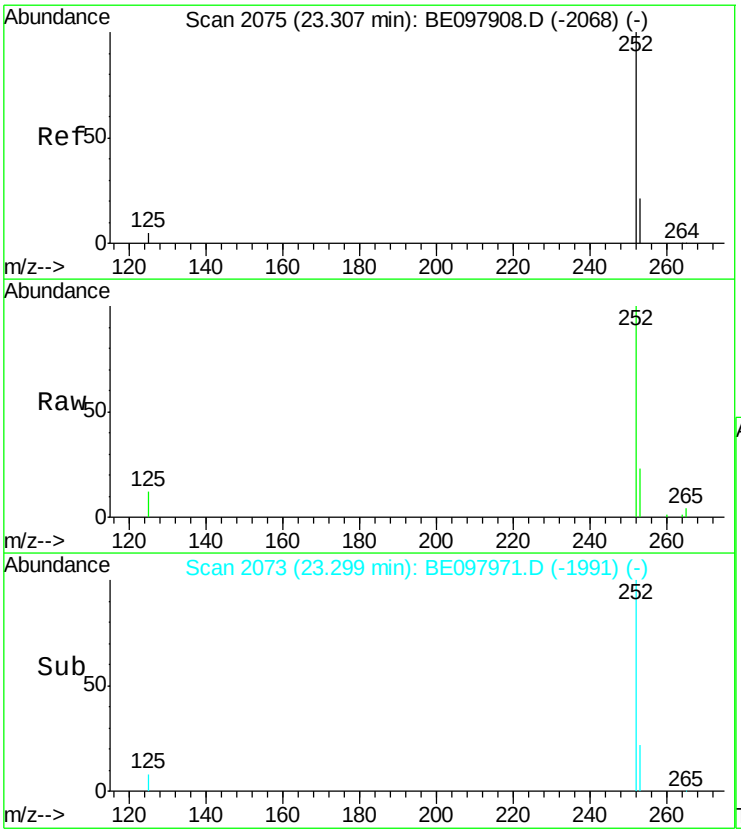
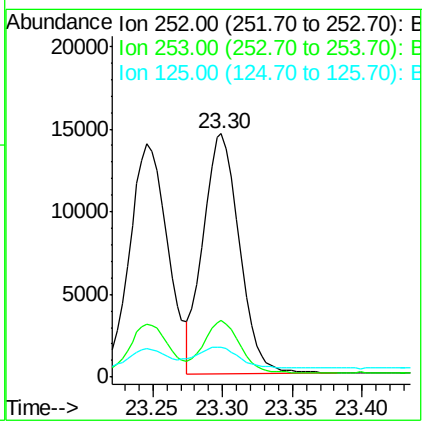


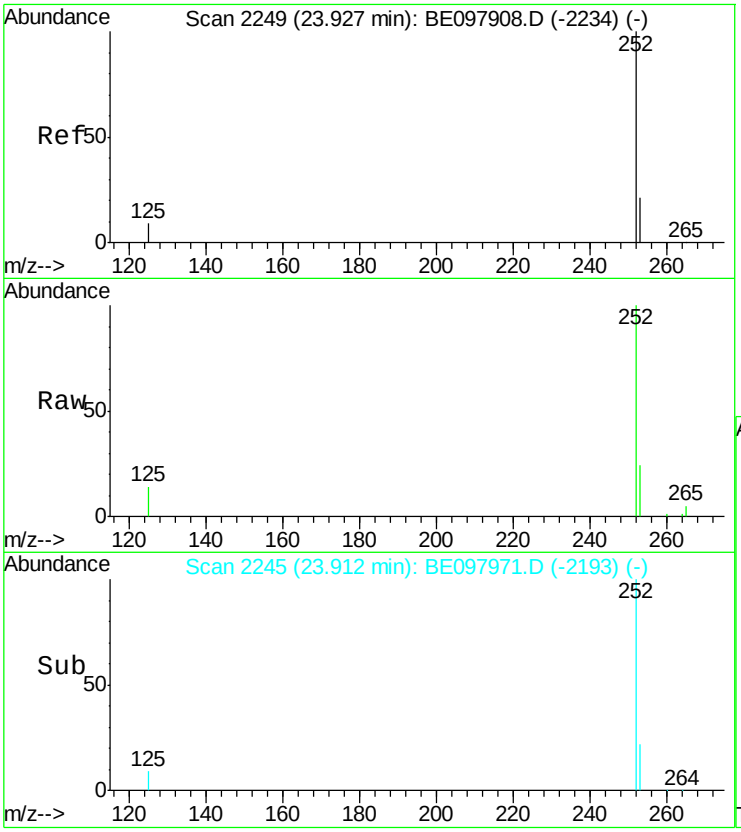


#36
Benzo(k)fluoranthene
Concen: 0.424 ng
RT: 23.30 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:252 Resp: 26242

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.4	30.6
125	12.1	14.6	21.8#





#37
Benzo(a)pyrene
Concen: 0.418 ng
RT: 23.91 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:252 Resp: 24173

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.6	31.0
125	14.1	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

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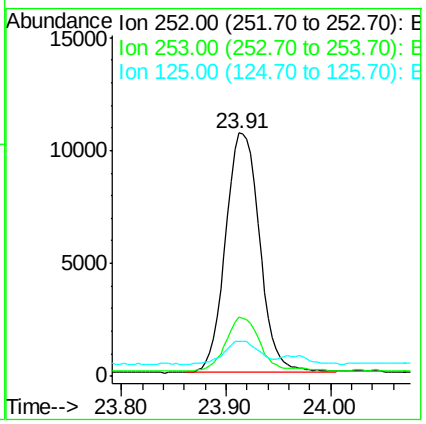
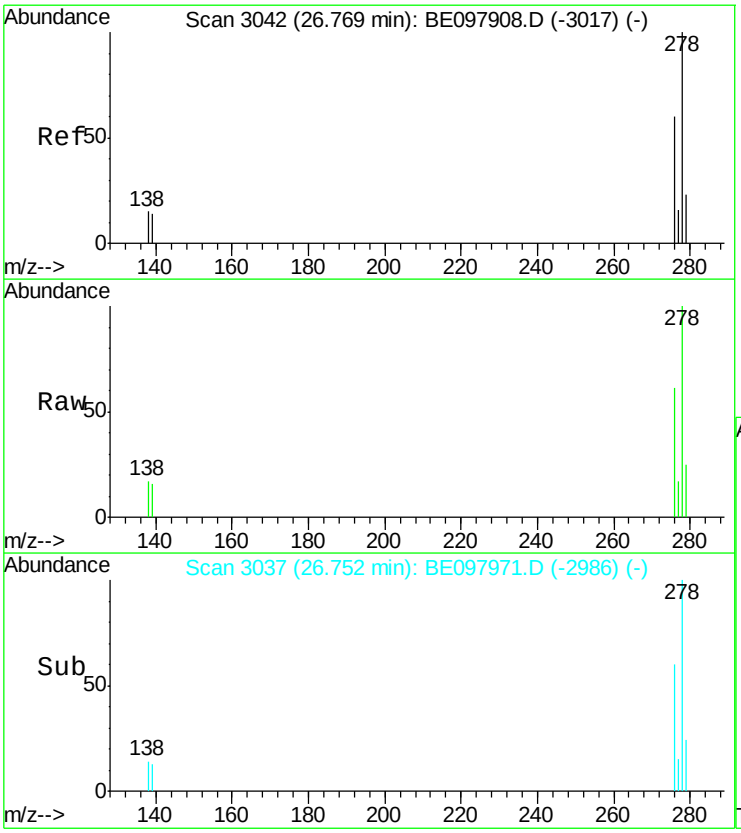
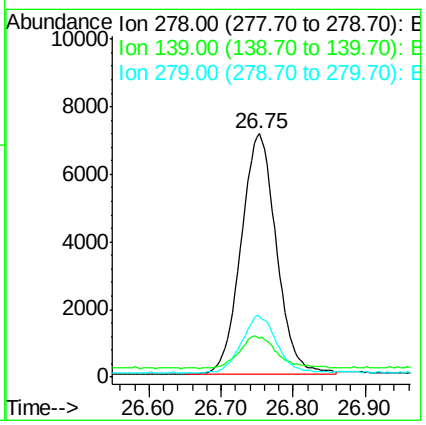


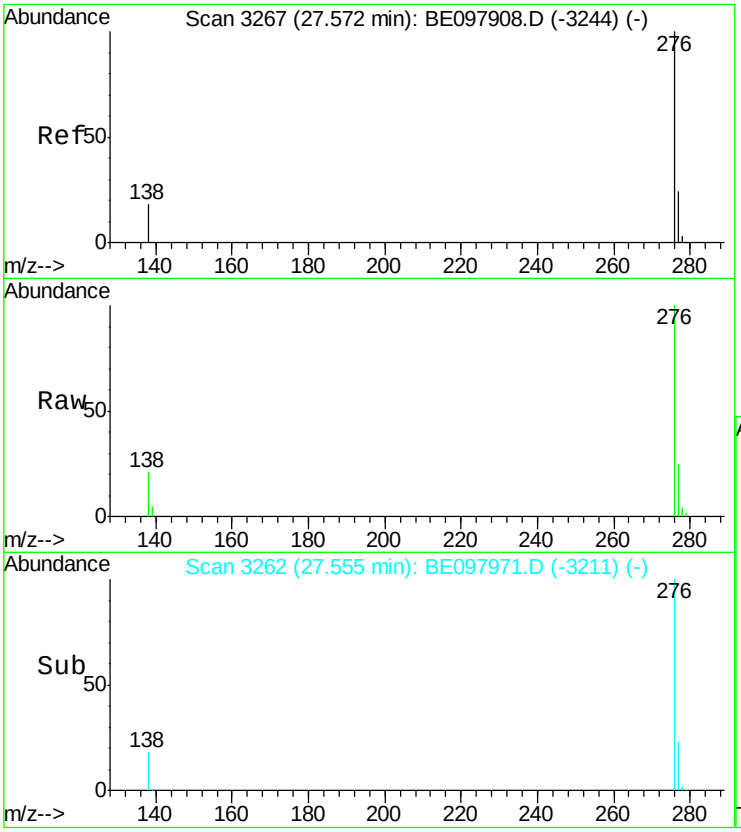


#38
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 26.75 min Scan# 3037
Delta R.T. -0.02 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:278 Resp: 23618

Ion	Ratio	Lower	Upper
278	100		
139	16.1	16.3	24.5#
279	25.1	21.4	32.2

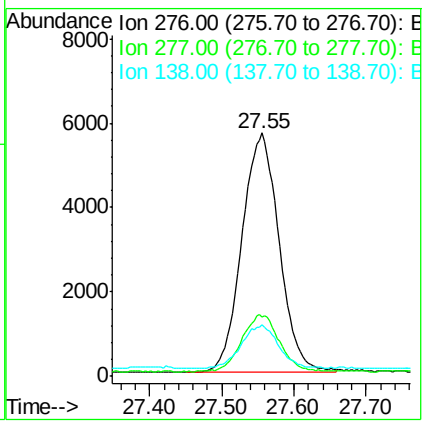




#39
Benzo(g,h,i)perylene
Concen: 0.344 ng
RT: 27.55 min Scan# 3262
Delta R.T. -0.02 min
Lab File: BE097971.D
Acq: 18 Oct 2018 11:14

Tgt Ion:276 Resp: 19991

Ion	Ratio	Lower	Upper
276	100		
277	24.6	22.1	33.1
138	21.5	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MSD

Manual Integrations APPROVED
Sohil
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