Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050118\
Data File : BE096264.D
Acq On : 1 May 2018 19:15
Operator : SJ/JU
Sample : J2600-11MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

Manual Integrations APPROVED
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Quant Time: May 02 02:48:42 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	804	0.40	ng		0.00
7) Naphthalene-d8	11.19	136	3012	0.40	ng		0.00
13) Acenaphthene-d10	14.95	164	1593	0.40	ng		0.00
19) Phenanthrene-d10	17.65	188	3778	0.40	ng		0.00
27) Chrysene-d12	21.74	240	3889	0.40	ng		0.00
34) Perylene-d12	24.35	264	3648	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.88	112	413	0.17	ng		0.01
5) Phenol-d6	7.52	99	389	0.11	ng		0.01
8) Nitrobenzene-d5	9.54	82	1391m	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.73	152	1813	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	200	0.26	ng		0.00
15) 2-Fluorobiphenyl	13.57	172	3029	0.44	ng		0.00
25) Fluoranthene-d10	19.64	212	20075	0.39	ng		0.00
29) Terphenyl-d14	20.19	244	3837	0.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.60	88	205	0.165	ng	#	71
3) n-Nitrosodimethylamine	3.96	42	335	0.220	ng	#	75
6) bis(2-Chloroethyl)ether	7.76	93	1172	0.388	ng		96
9) Naphthalene	11.24	128	13932	0.439	ng		99
10) Hexachlorobutadiene	11.50	225	457	0.325	ng		89
12) 2-Methylnaphthalene	12.81	142	2367	0.450	ng		97
16) Acenaphthylene	14.67	152	3253	0.382	ng		100
17) Acenaphthene	15.00	154	2150	0.421	ng		94
18) Fluorene	15.97	166	3609	0.570	ng	#	69
20) 4-Bromophenyl-phenylether	16.83	248	923	0.411	ng	#	73
21) Hexachlorobenzene	16.96	284	911	0.407	ng	#	81
22) Pentachlorophenol	17.31	266	406	0.529	ng	#	73
23) Phenanthrene	17.68	178	5041	0.475	ng		98
24) Anthracene	17.78	178	4540	0.448	ng	#	95
26) Fluoranthene	19.66	202	6455	0.463	ng		98
28) Pyrene	20.00	202	377	0.049	ng	#	65
30) Benzo(a)anthracene	21.73	228	5858	0.470	ng		96
31) Chrysene	21.79	228	5702	0.473	ng		98
32) Bis(2-ethylhexyl)phthalate	21.60	149	18323	0.569	ng		100
33) Indeno(1,2,3-cd)pyrene	27.13	276	5930	0.508	ng		95
35) Benzo(b)fluoranthene	23.54	252	5495	0.502	ng	#	93
36) Benzo(k)fluoranthene	23.60	252	5573	0.495	ng	#	89
37) Benzo(a)pyrene	24.23	252	4786	0.455	ng	#	91
38) Dibenzo(a,h)anthracene	27.14	278	4699	0.507	ng		97
39) Benzo(g,h,i)perylene	27.99	276	4942	0.504	ng	#	92

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050118\
Data File : BE096264.D
Acq On : 1 May 2018 19:15
Operator : SJ/JU
Sample : J2600-11MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 02 02:48:42 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

Manual Integrations APPROVED
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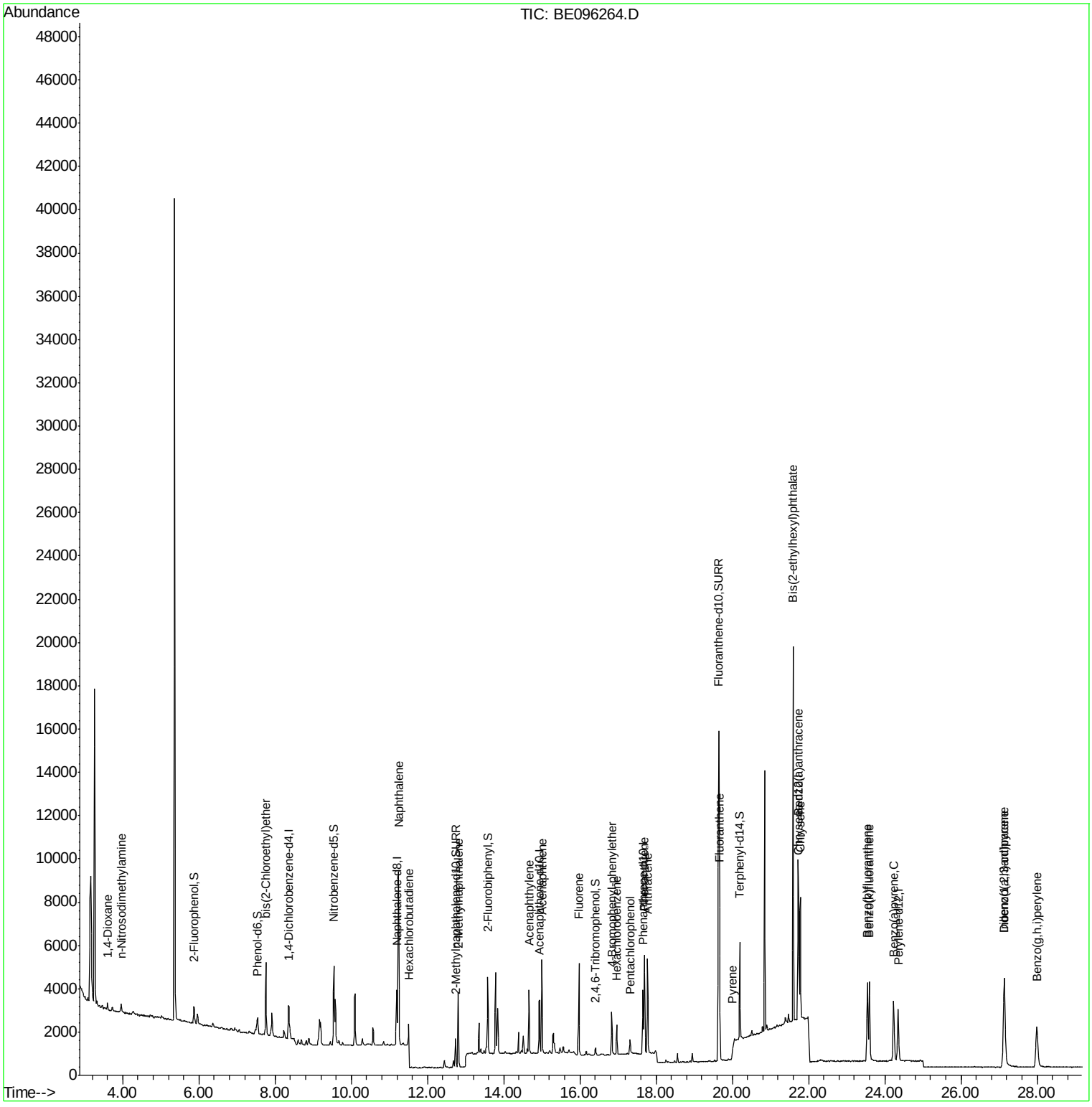
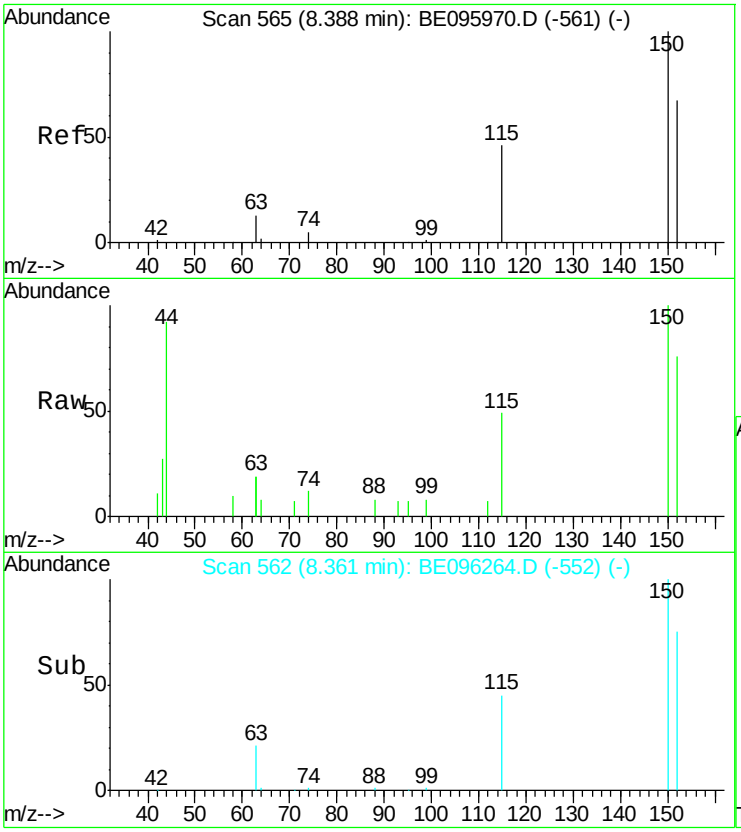
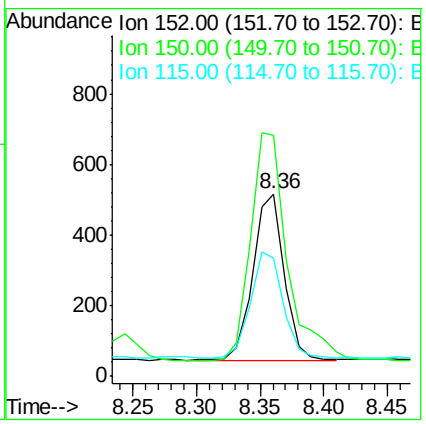




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:152 Resp: 804

Ion	Ratio	Lower	Upper
152	100		
150	132.2	117.2	175.8
115	65.1	57.0	85.6



Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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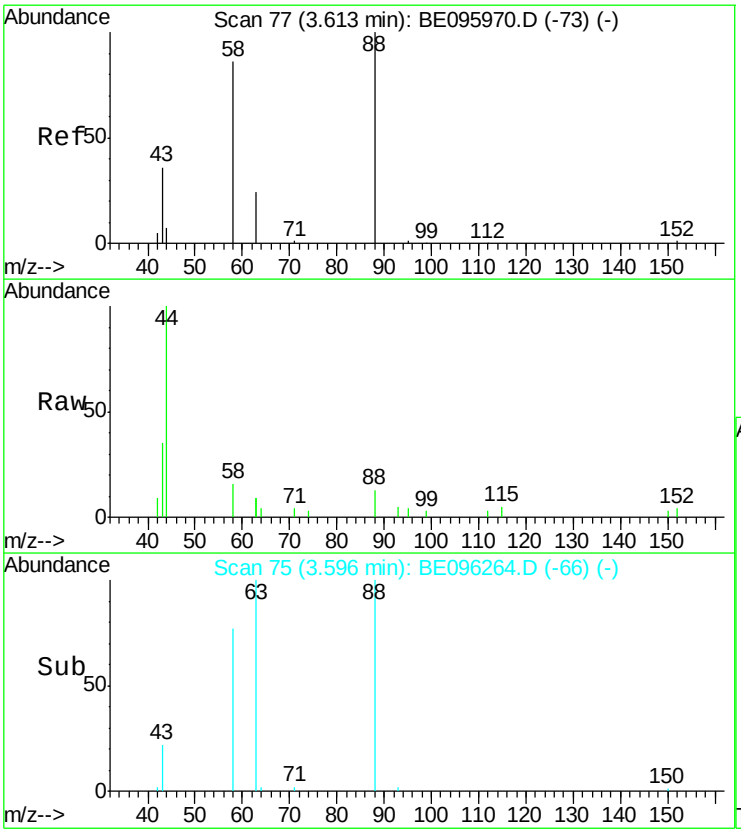
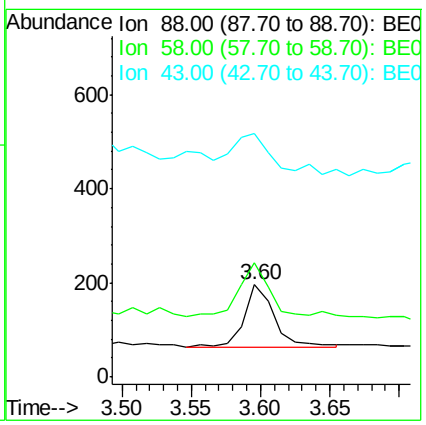
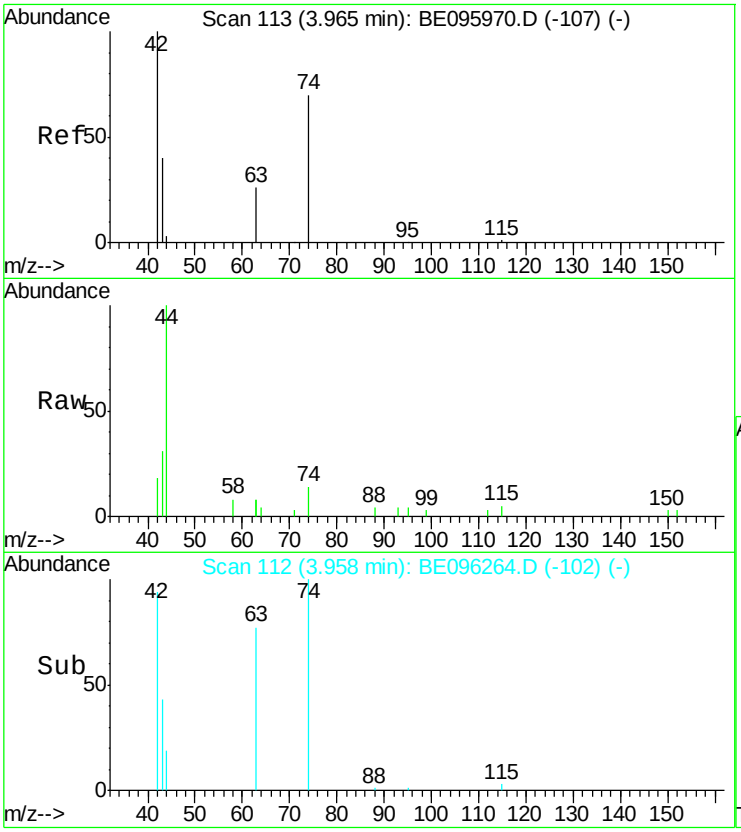


#2
1,4-Dioxane
Concen: 0.165 ng
RT: 3.60 min Scan# 75
Delta R.T. -0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion: 88 Resp: 205

Ion	Ratio	Lower	Upper
88	100		
58	82.9	63.2	94.8
43	98.0	41.2	61.8#





#3
n-Nitrosodimethylamine
Concen: 0.220 ng
RT: 3.96 min Scan# 112
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion: 42 Resp: 335

Ion	Ratio	Lower	Upper
42	100		
74	89.9	96.0	144.0#
44	16.7	12.0	18.0

Instrument :
BNA_E
ClientSampleId :
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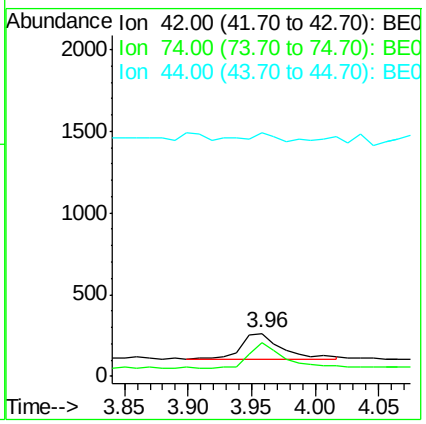
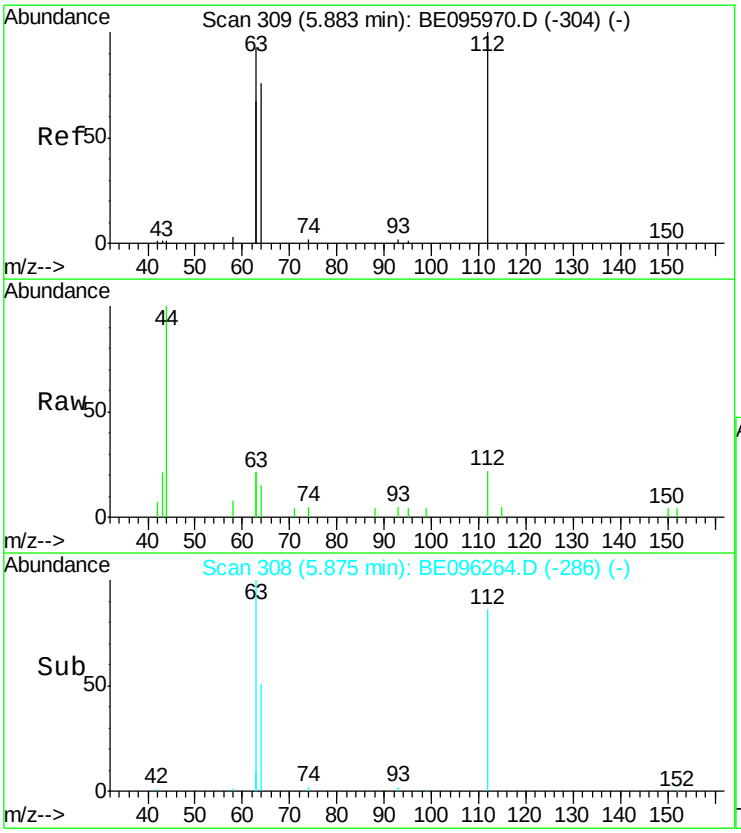
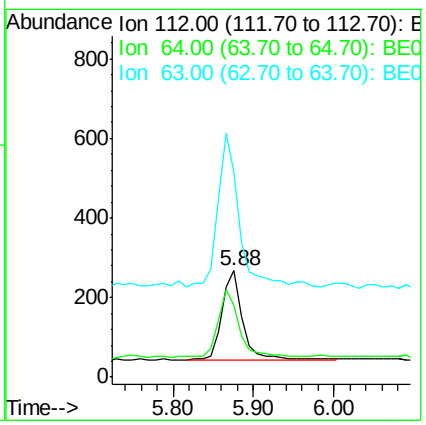


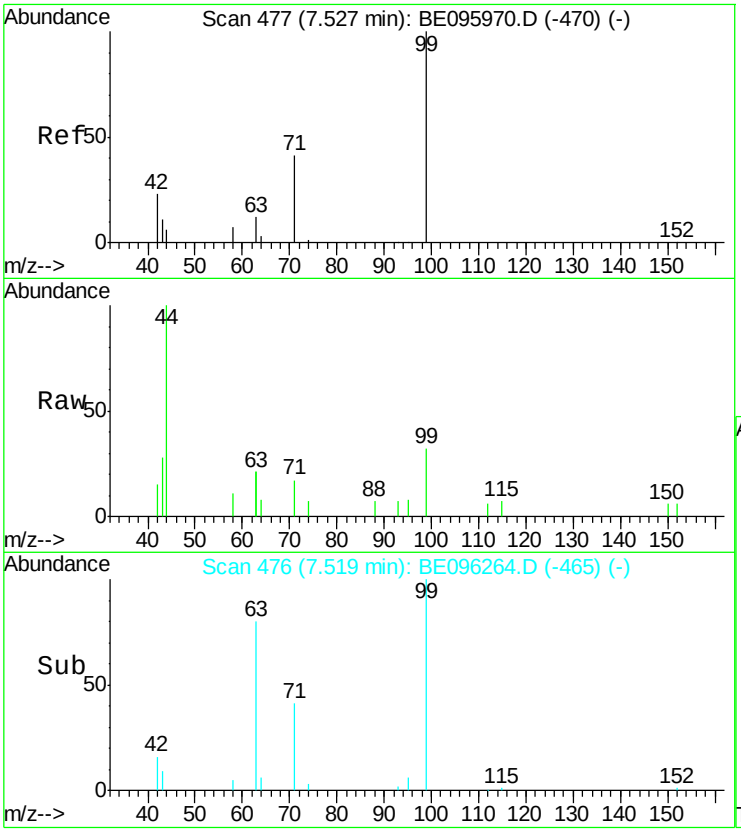


#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.88 min Scan# 308
Delta R.T. 0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:112 Resp: 413

Ion	Ratio	Lower	Upper
112	100		
64	75.8	60.1	90.1
63	176.5	116.8	175.2#





#5
Phenol-d6
Concen: 0.113 ng
RT: 7.52 min Scan# 476
Delta R.T. 0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion: 99 Resp: 389

Ion	Ratio	Lower	Upper
99	100		
42	39.3	20.2	30.2#
71	47.0	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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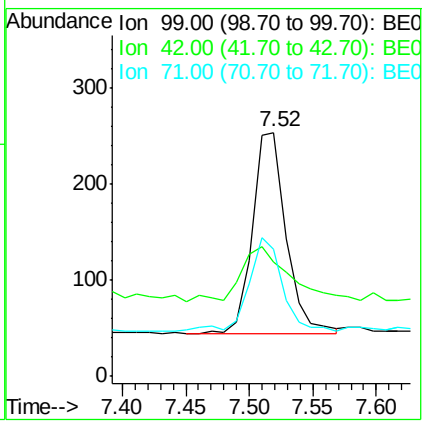
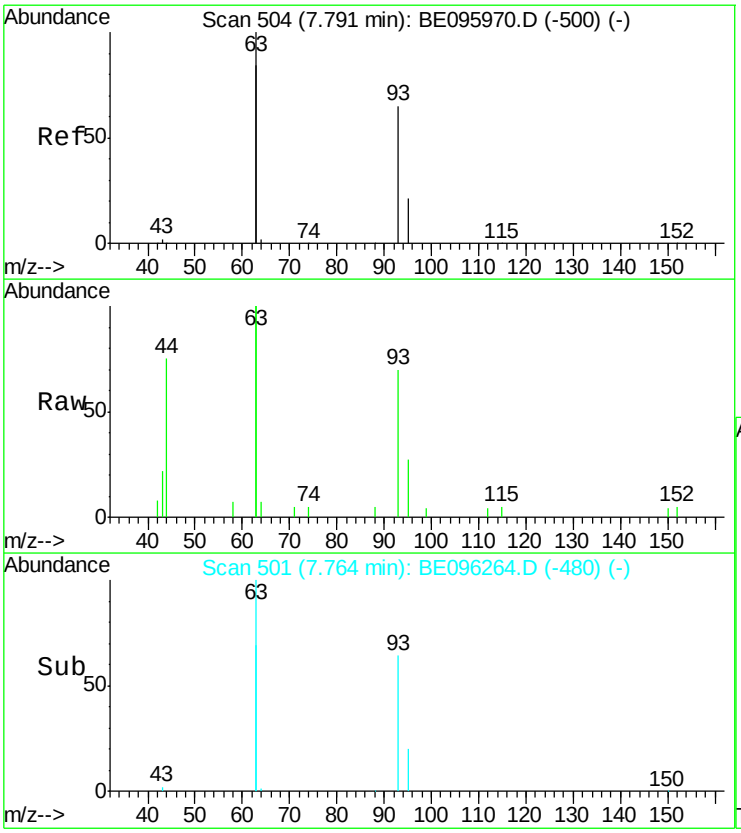
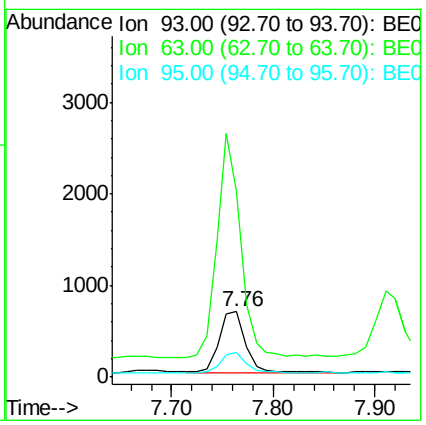


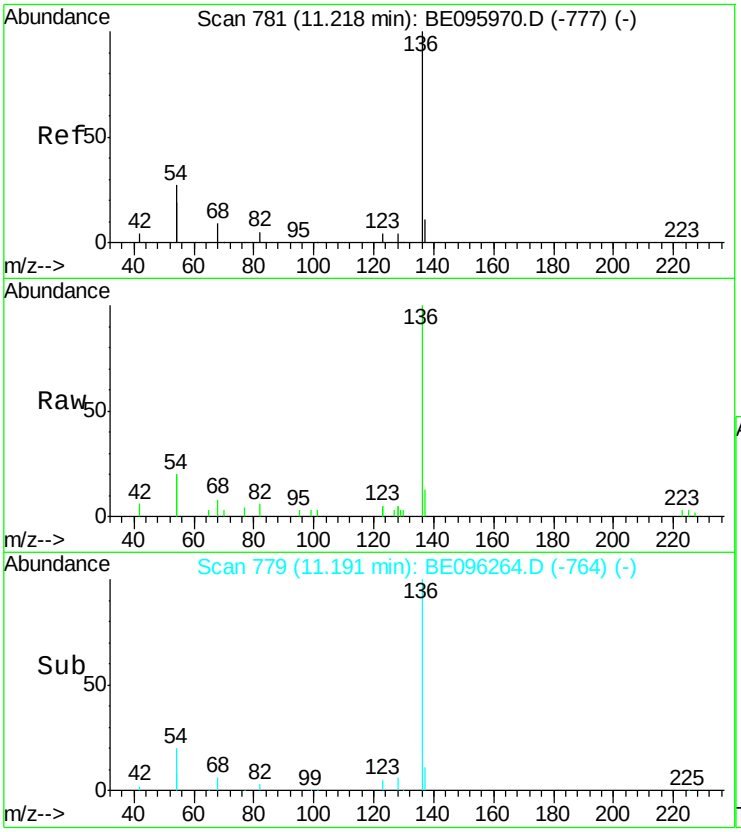


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion: 93 Resp: 1172

Ion	Ratio	Lower	Upper
93	100		
63	334.8	275.3	412.9
95	33.0	25.2	37.8

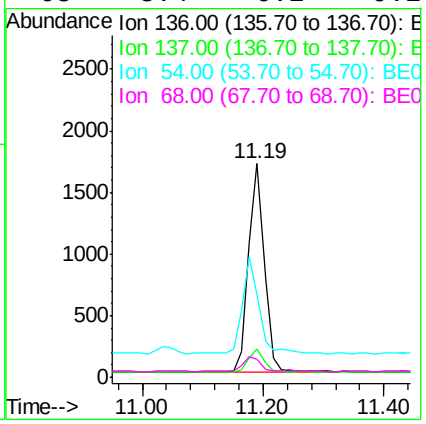




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:136 Resp: 3012

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	39.1	29.1	43.7
68	8.4	6.2	9.2



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ClientSampleId :
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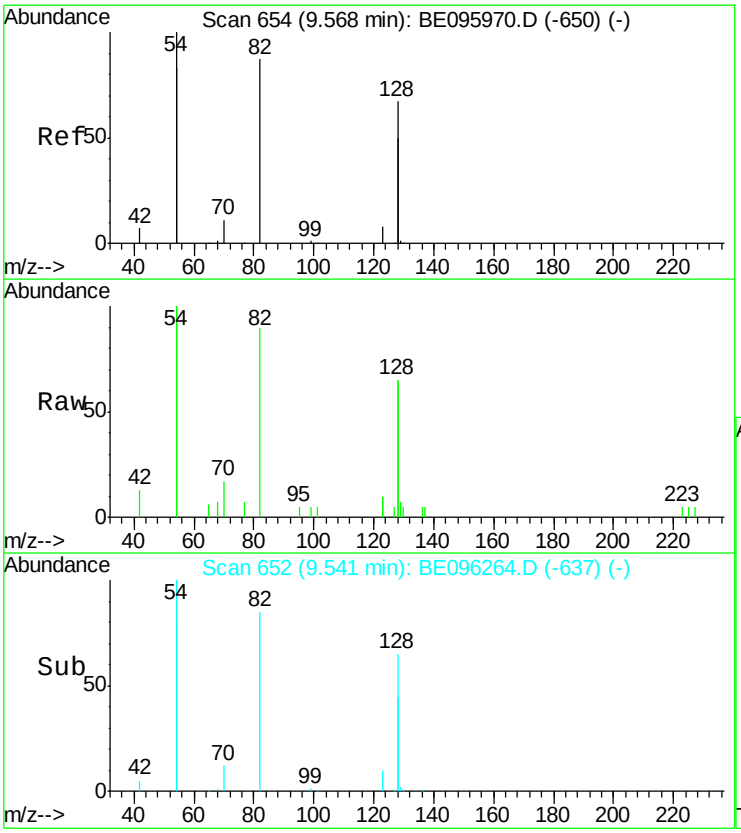
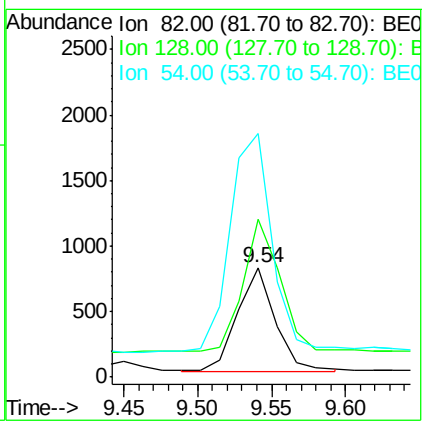
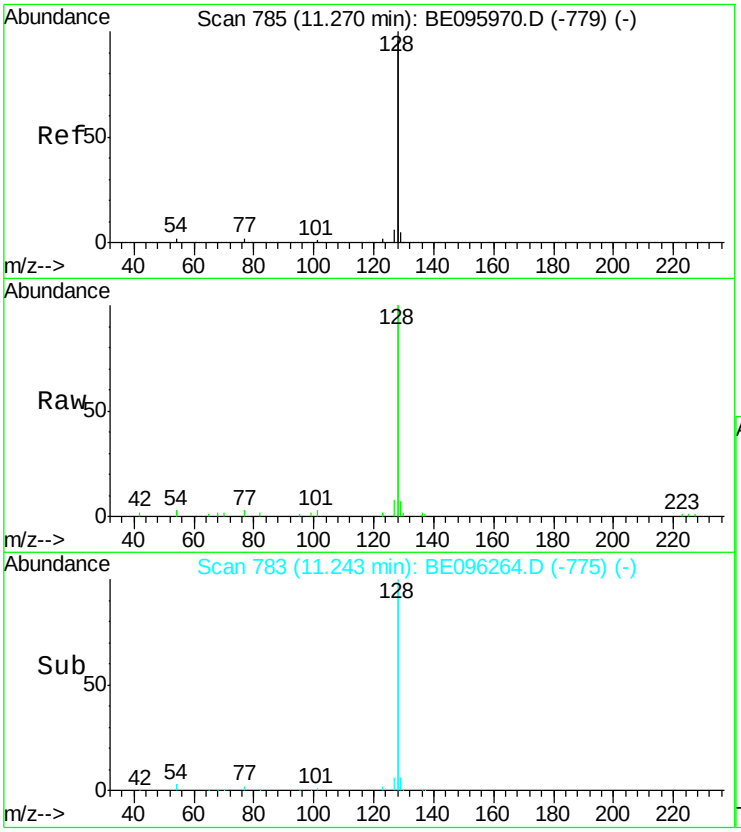


#8
Nitrobenzene-d5
Concen: 0.394 ng m
RT: 9.54 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion: 82 Resp: 1391

Ion	Ratio	Lower	Upper
82	100		
128	72.1	150.0	225.0#
54	111.4	154.2	231.4#

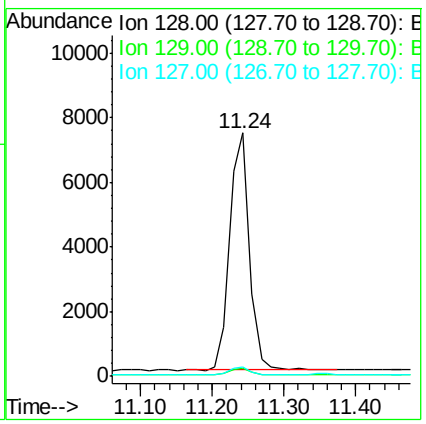




#9
Naphthalene
Concen: 0.439 ng
RT: 11.24 min Scan# 783
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:128 Resp: 13932

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	3.8	2.8	4.2



Instrument :
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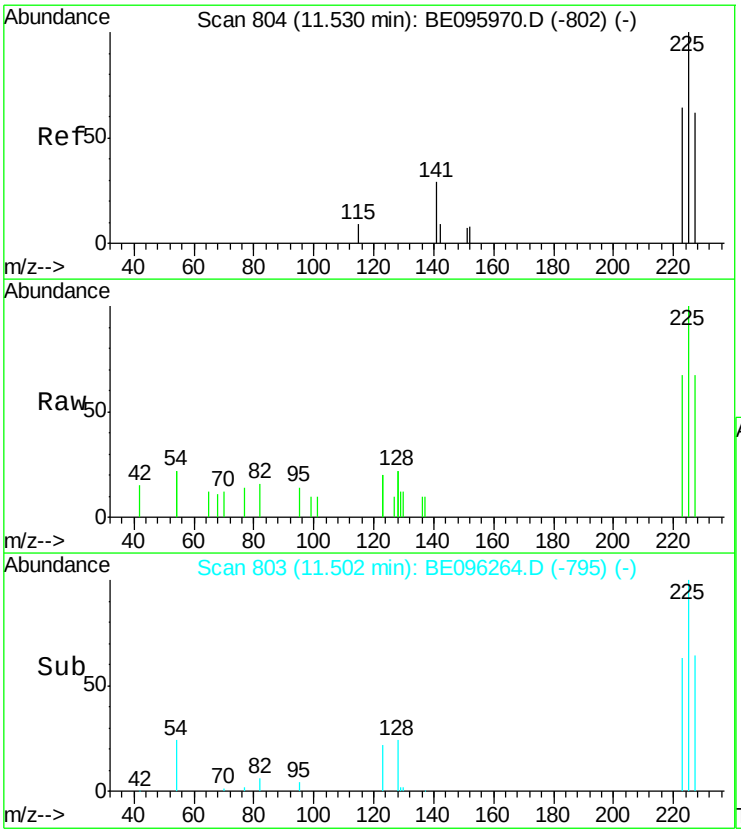
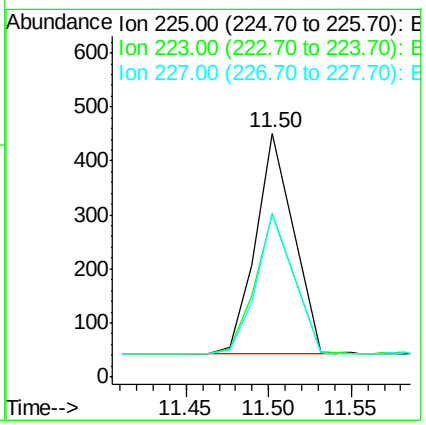
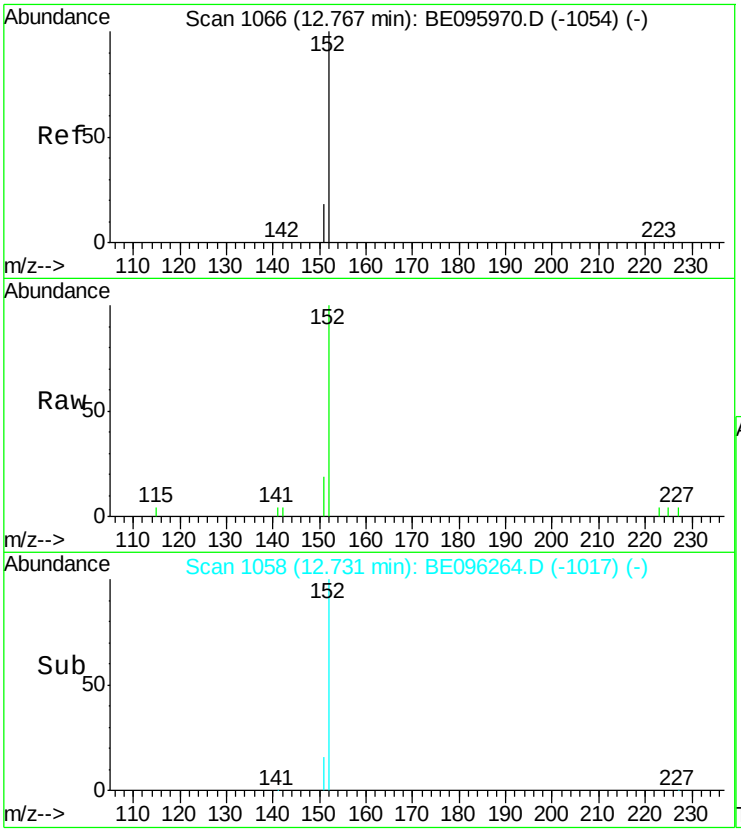


#10
Hexachlorobutadiene
Concen: 0.325 ng
RT: 11.50 min Scan# 803
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:225 Resp: 457

Ion	Ratio	Lower	Upper
225	100		
223	55.4	53.0	79.6
227	58.6	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.73 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:152 Resp: 1813

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.4	23.0

Instrument :
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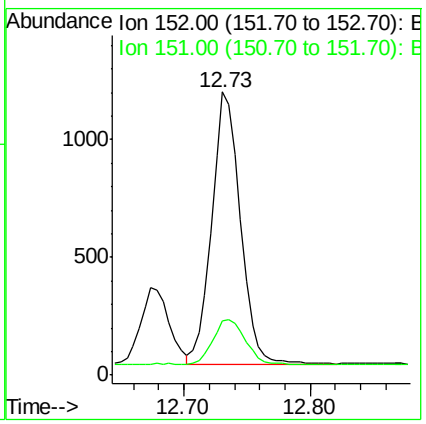
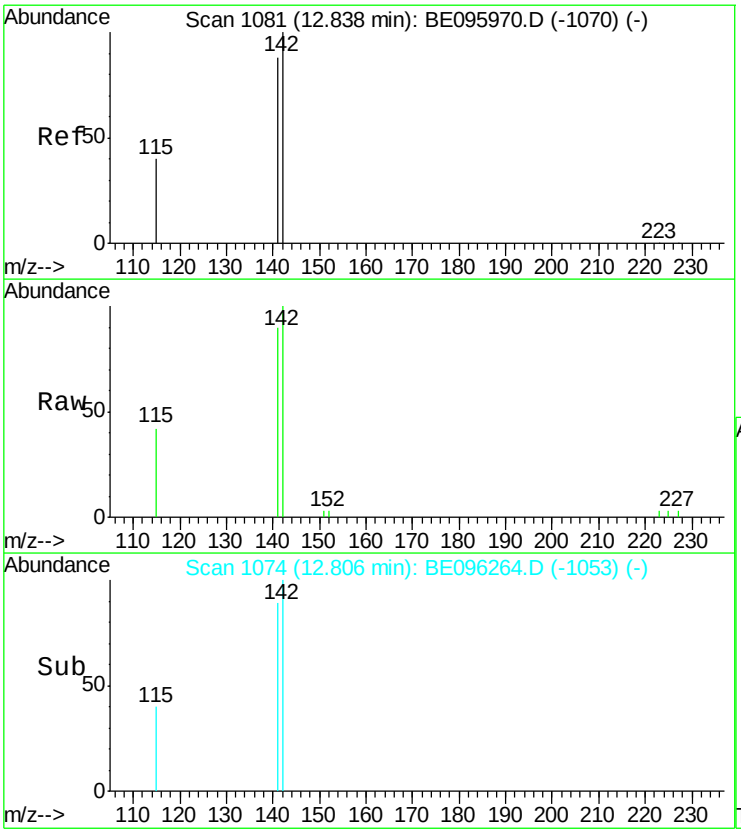
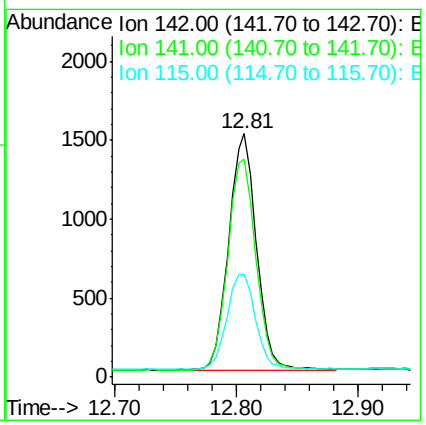


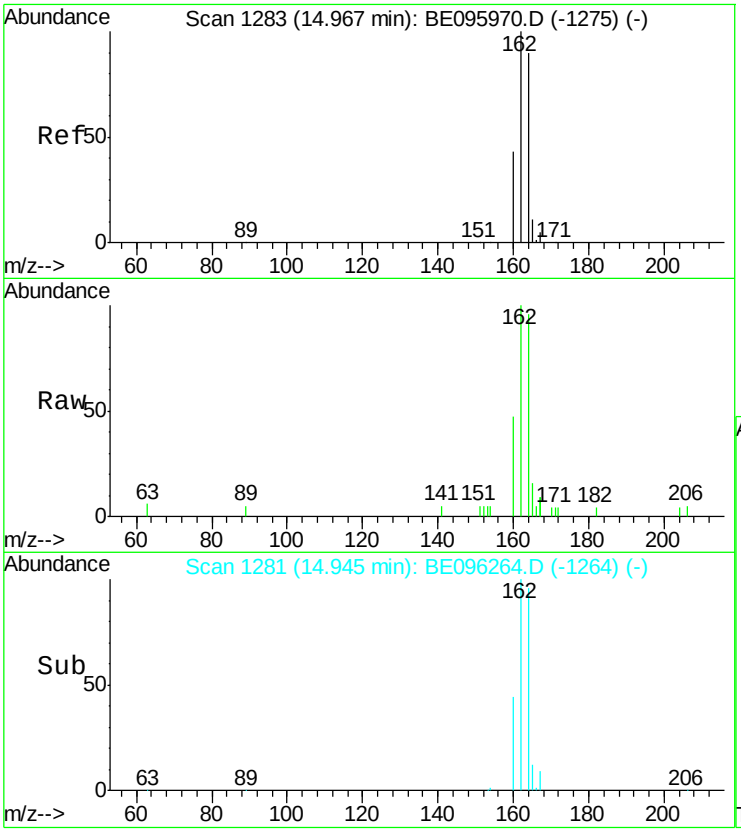


#12
2-Methylnaphthalene
Concen: 0.450 ng
RT: 12.81 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:142 Resp: 2367

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.4	105.6
115	42.1	31.7	47.5

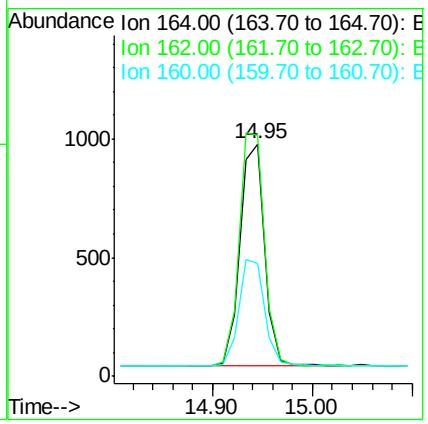




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.95 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:164 Resp: 1593

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.1	124.7
160	48.6	37.1	55.7



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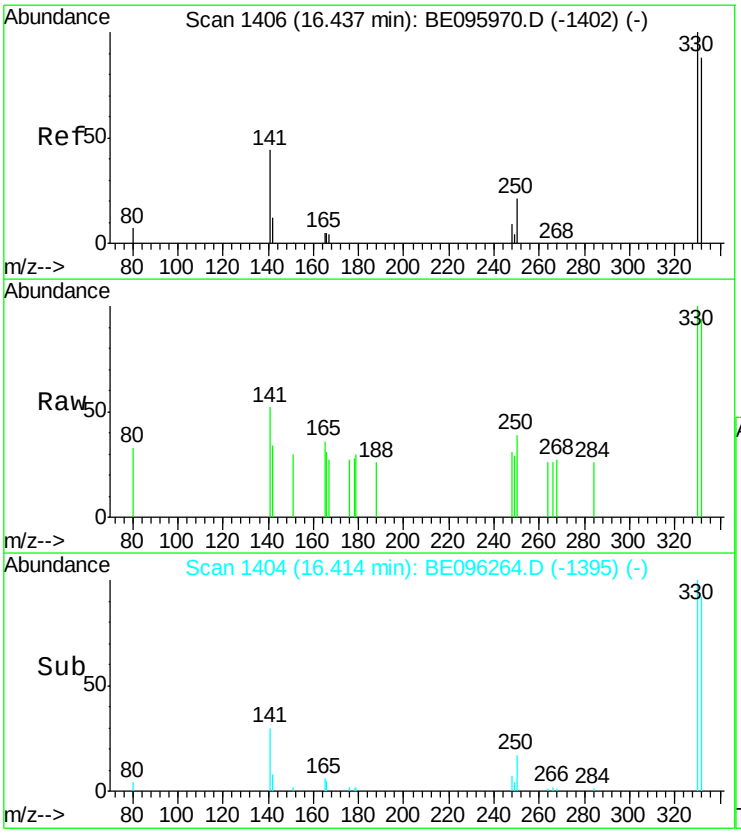
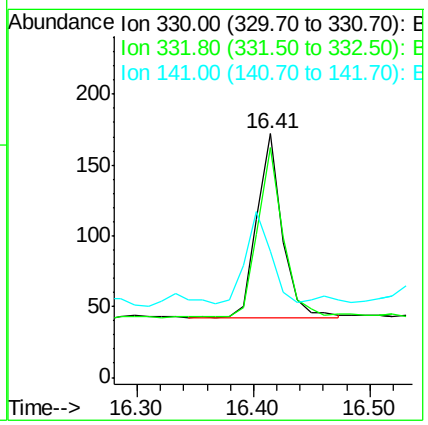
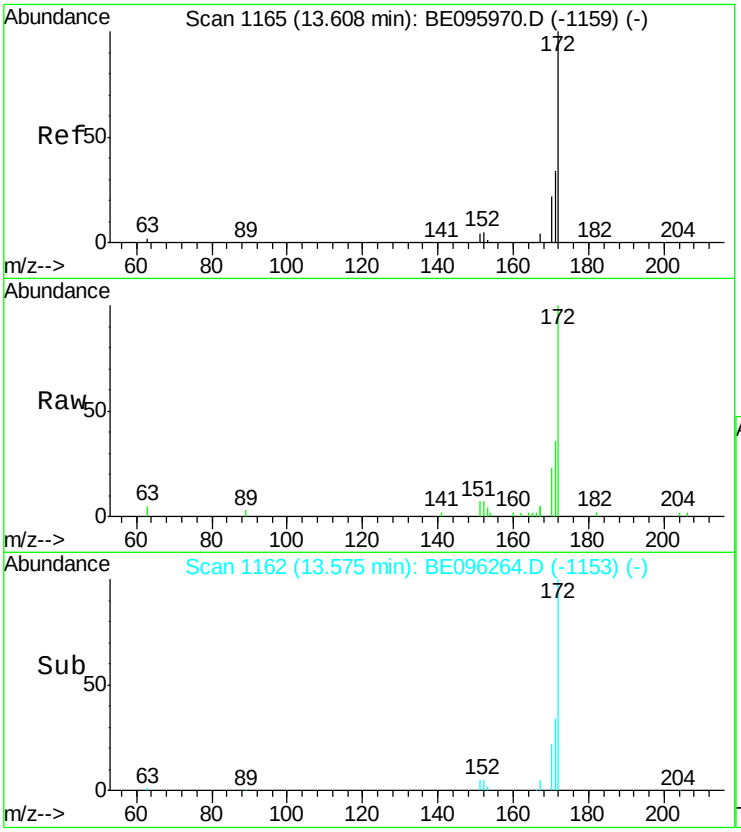


#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:330 Resp: 200

Ion	Ratio	Lower	Upper
330	100		
332	90.0	152.7	229.1#
141	50.5	33.7	50.5

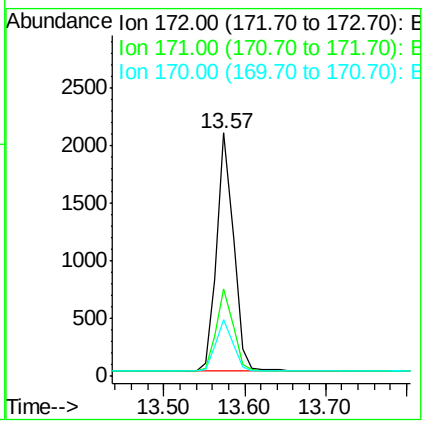




#15
2-Fluorobiphenyl
Concen: 0.444 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:172 Resp: 3029

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	23.2	21.8	32.8



Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

Manual Integrations APPROVED
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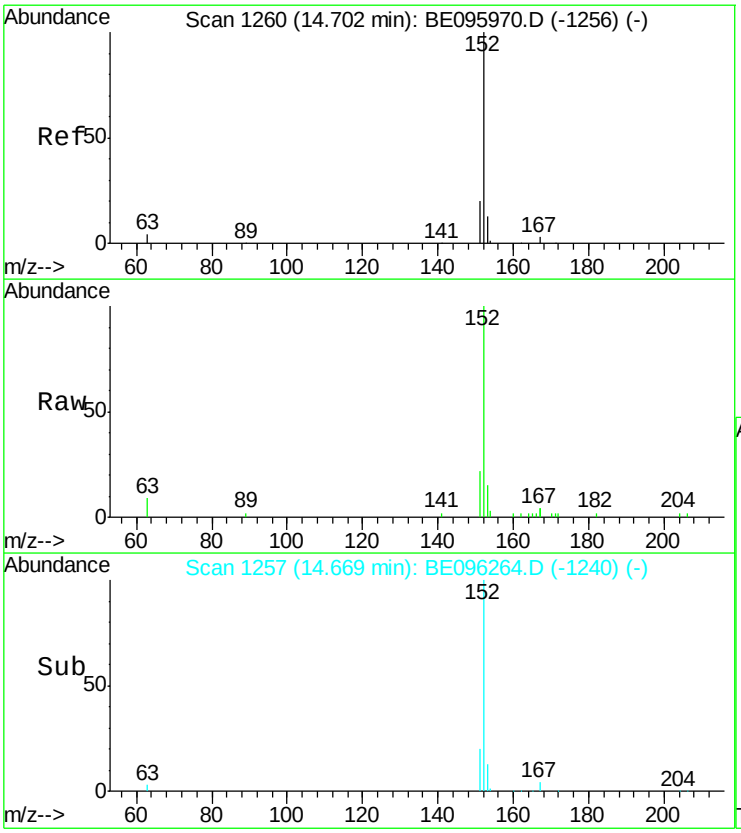
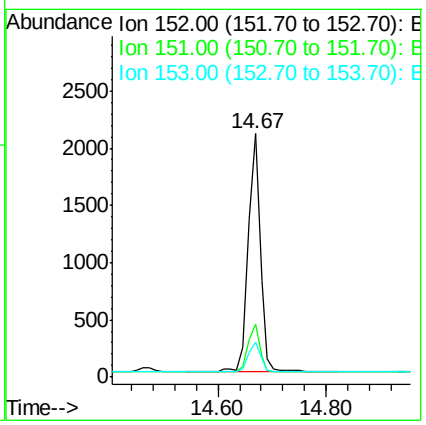
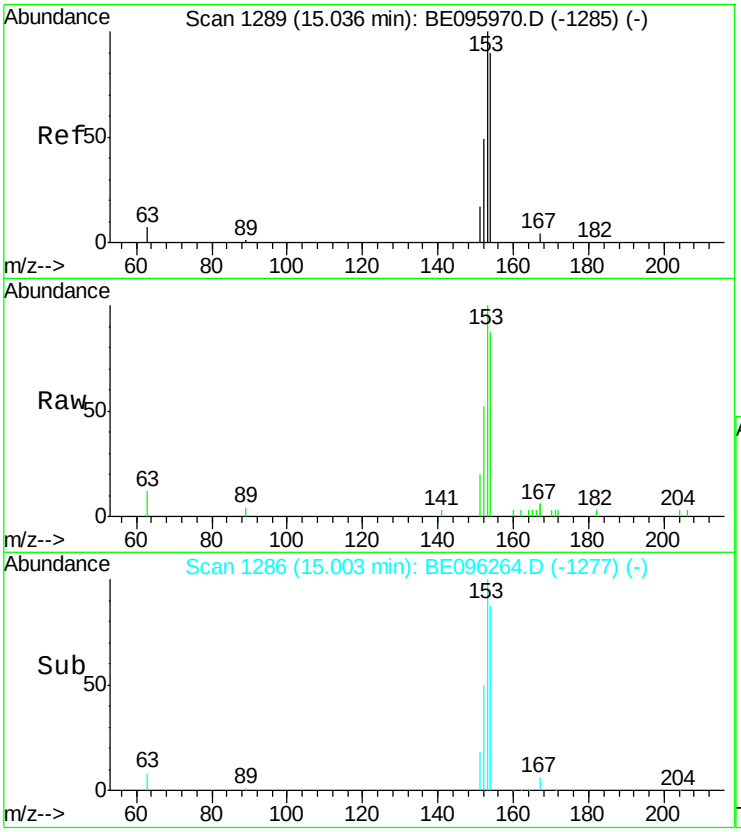


#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:152 Resp: 3253

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.1	10.5	15.7





#17
Acenaphthene
Concen: 0.421 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:154 Resp: 2150

Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.2	133.8
152	60.2	42.0	63.0

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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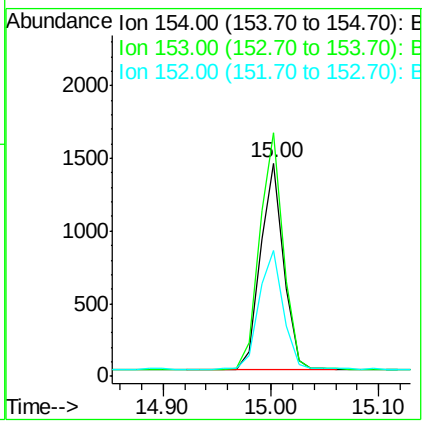
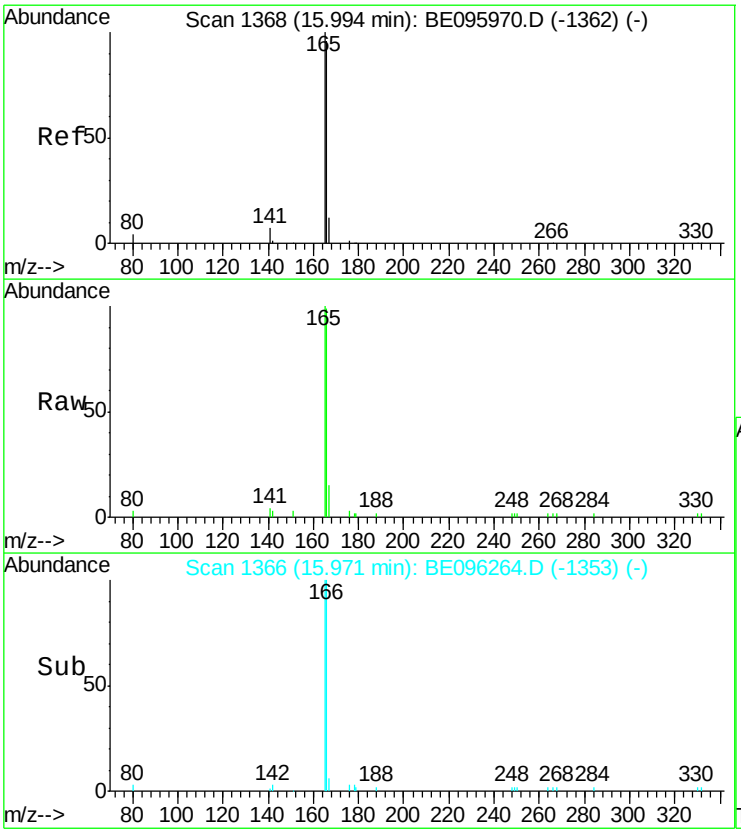
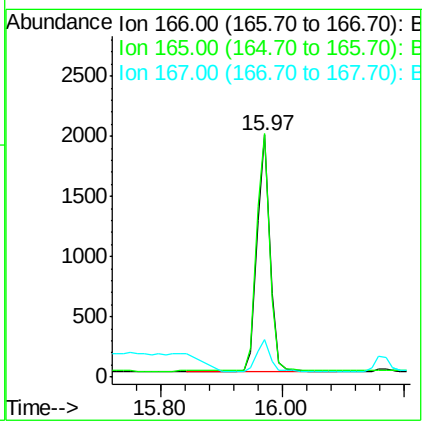


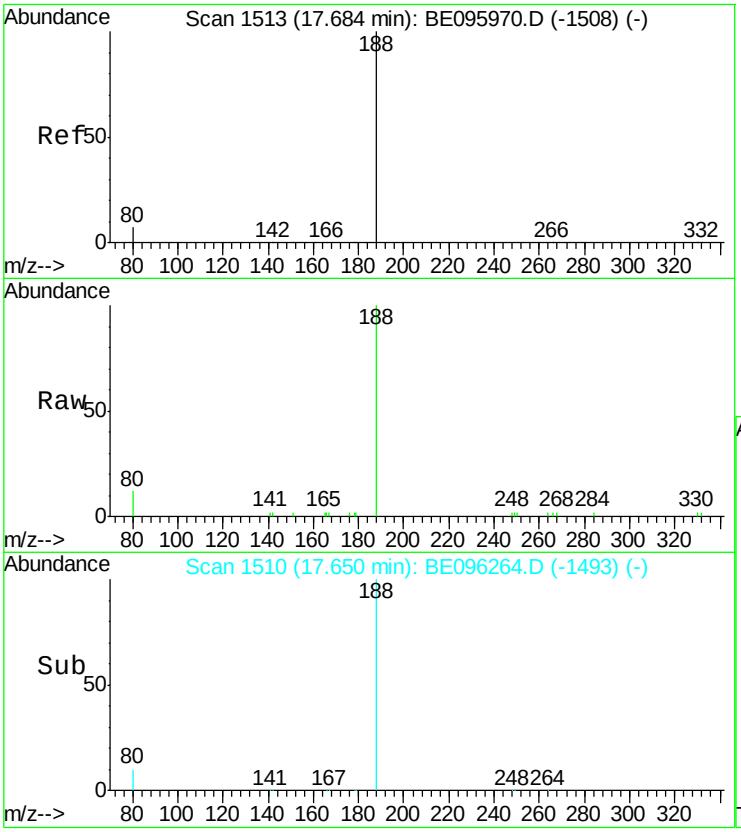


#18
Fluorene
Concen: 0.570 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:166 Resp: 3609

Ion	Ratio	Lower	Upper
166	100		
165	81.7	77.8	116.6
167	11.1	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:188 Resp: 3778

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.6	3.6	5.4#

Instrument :
BNA_E
ClientSampleId :
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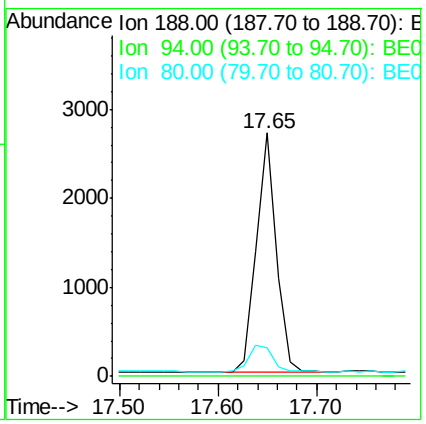
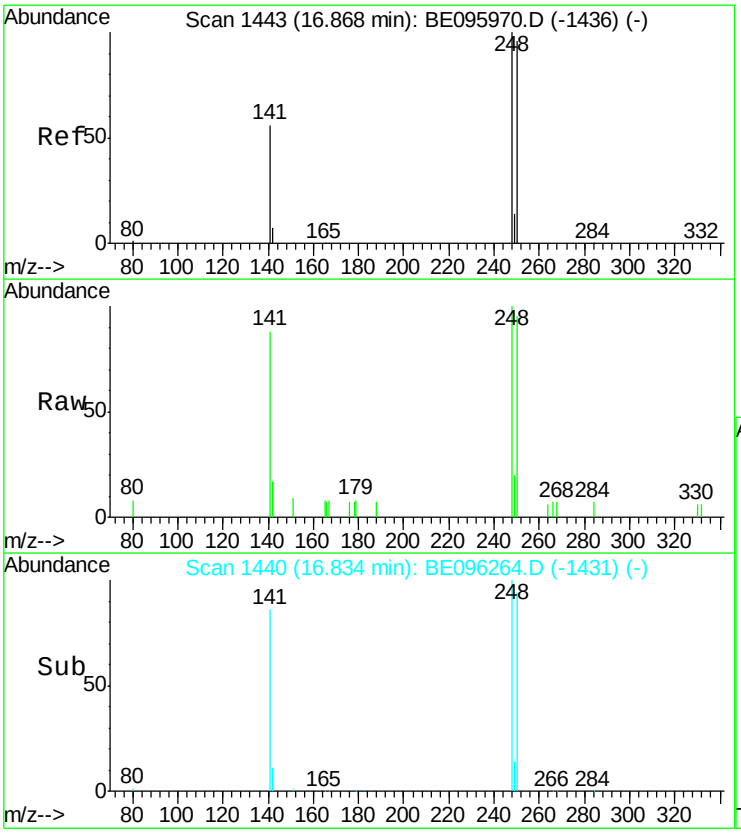
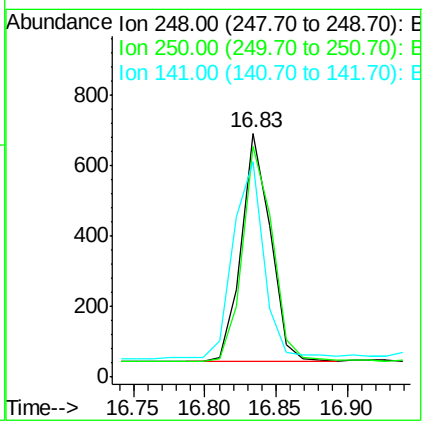


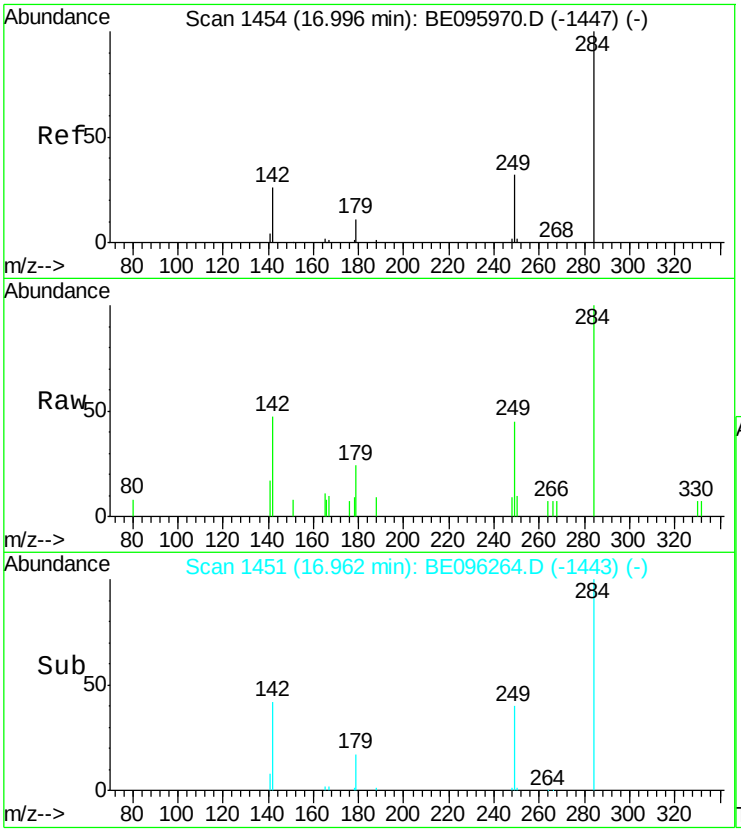


#20
4-Bromophenyl-phenylether
Concen: 0.411 ng
RT: 16.83 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:248 Resp: 923

Ion	Ratio	Lower	Upper
248	100		
250	94.9	62.7	94.1#
141	88.4	48.2	72.2#

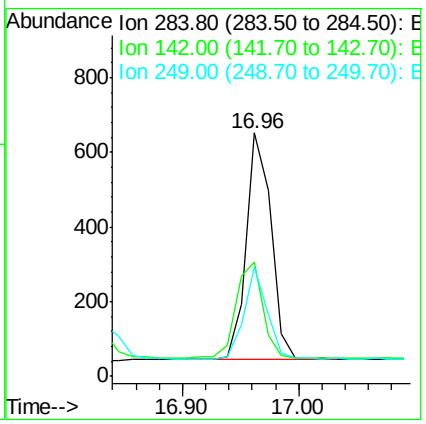




#21
Hexachlorobenzene
Concen: 0.407 ng
RT: 16.96 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:284 Resp: 911

Ion	Ratio	Lower	Upper
284	100		
142	45.6	22.1	33.1#
249	37.7	34.8	52.2



Instrument :
BNA_E
ClientSampleId :
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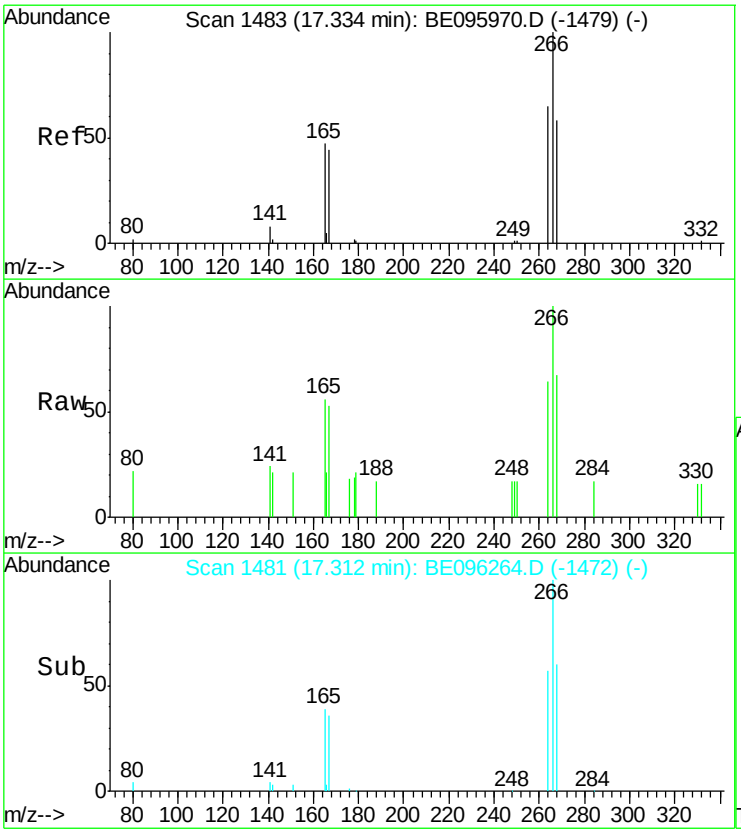
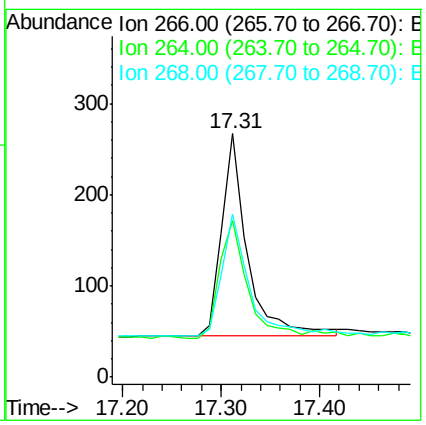
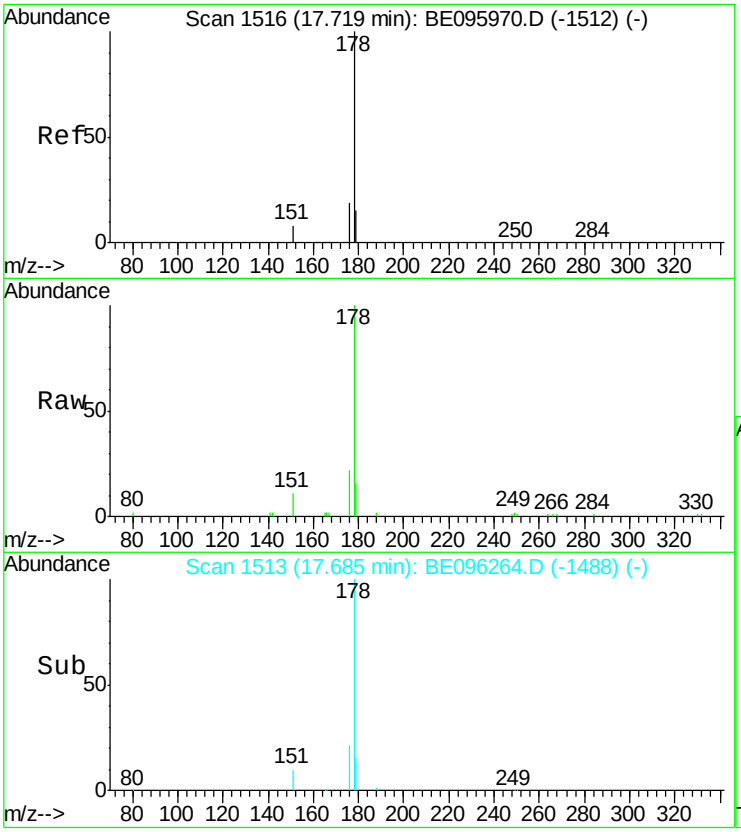


#22
Pentachlorophenol
Concen: 0.529 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:266 Resp: 406

Ion	Ratio	Lower	Upper
266	100		
264	64.4	72.5	108.7#
268	67.0	73.8	110.6#

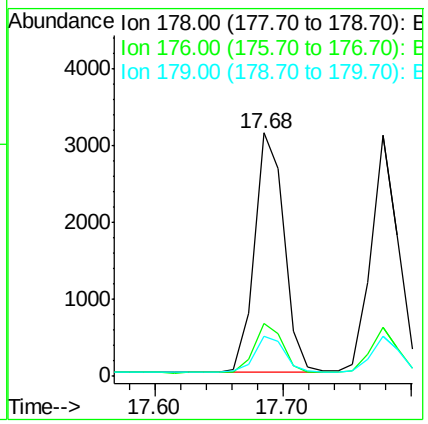




#23
Phenanthrene
Concen: 0.475 ng
RT: 17.68 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:178 Resp: 5041

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.2	11.8	17.6



Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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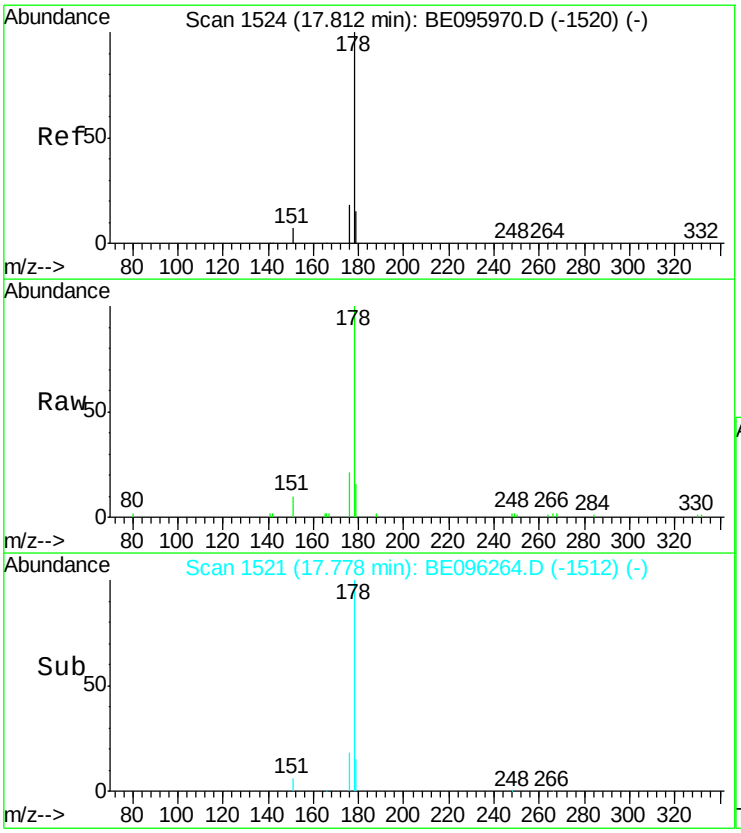
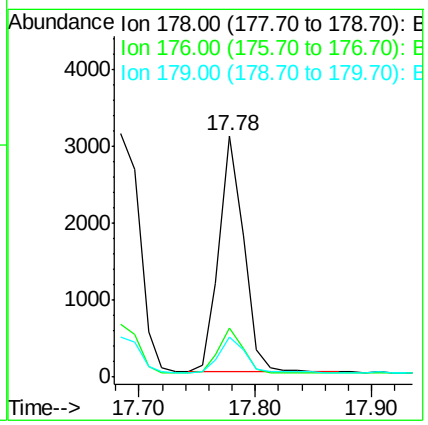
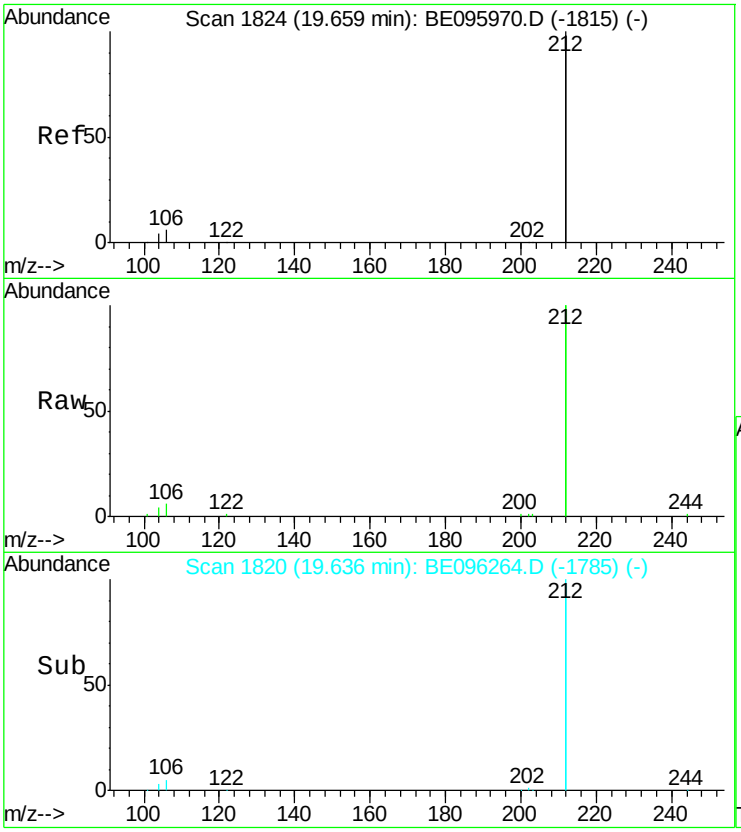


#24
Anthracene
Concen: 0.448 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:178 Resp: 4540

Ion	Ratio	Lower	Upper
178	100		
176	19.4	12.8	19.2#
179	15.6	13.0	19.6





#25
Fluoranthene-d10
Concen: 0.391 ng
RT: 19.64 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:212 Resp: 20075

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.9	1.6	2.4

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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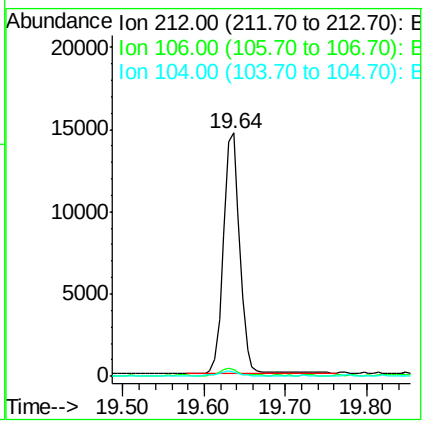
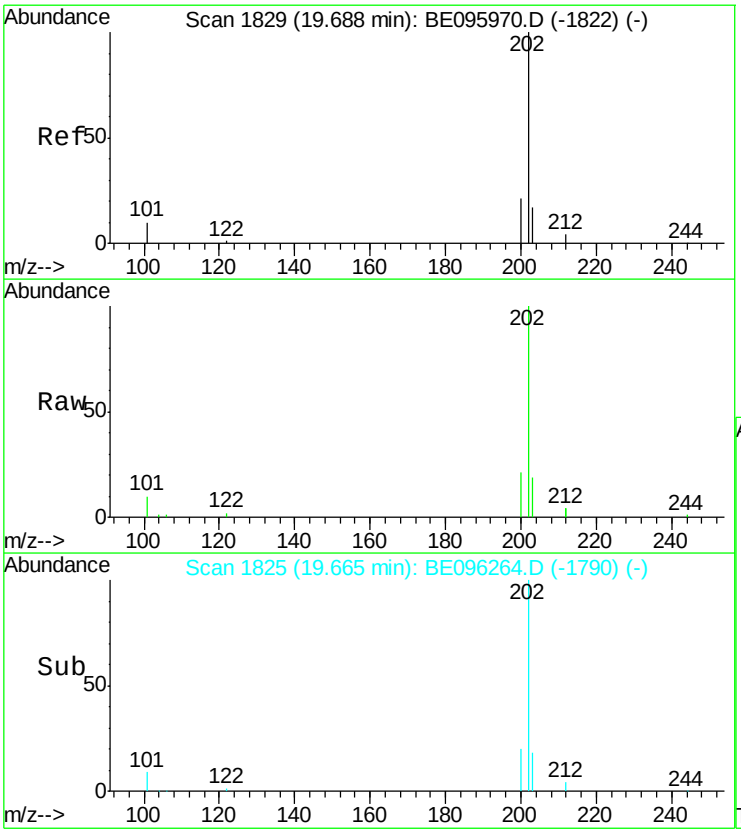
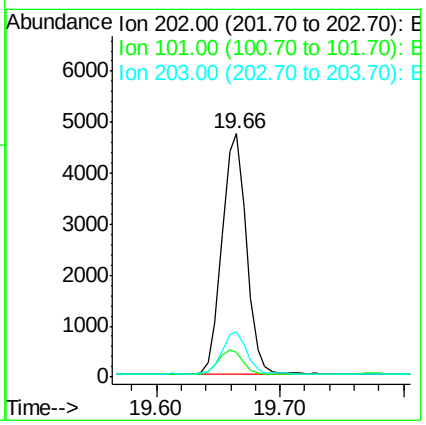


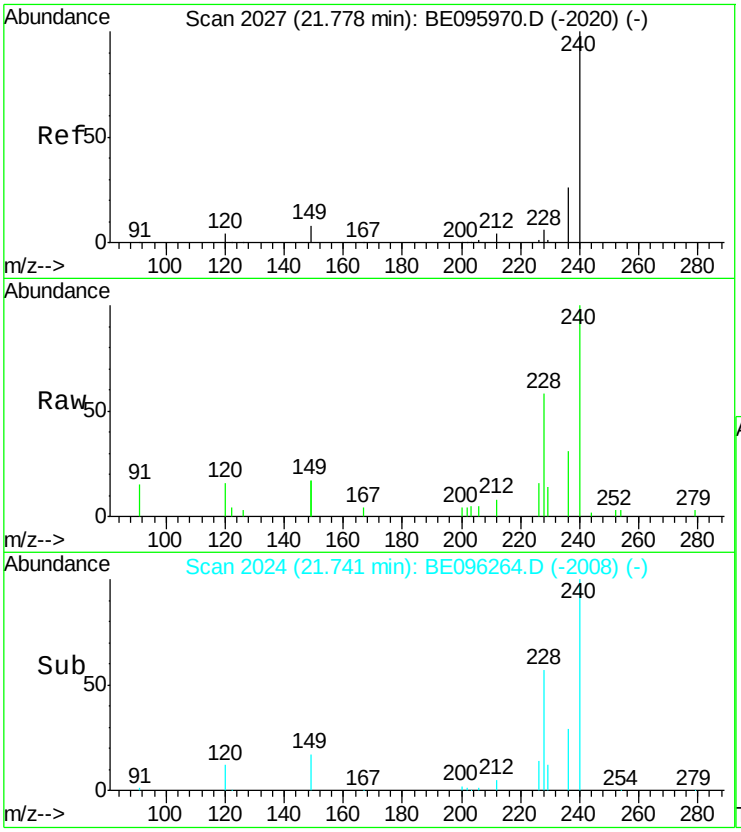


#26
Fluoranthene
Concen: 0.463 ng
RT: 19.66 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:202 Resp: 6455

Ion	Ratio	Lower	Upper
202	100		
101	10.4	9.8	14.8
203	17.3	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.74 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:240 Resp: 3889

Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.5	8.3#
236	30.8	20.7	31.1

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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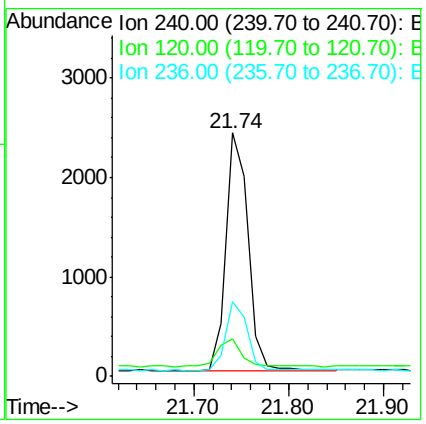
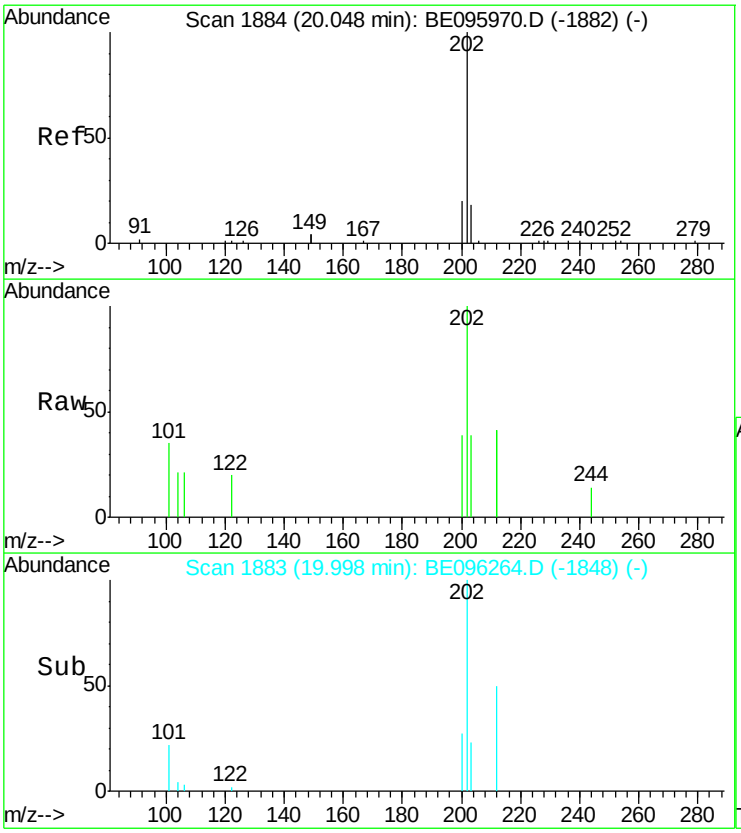
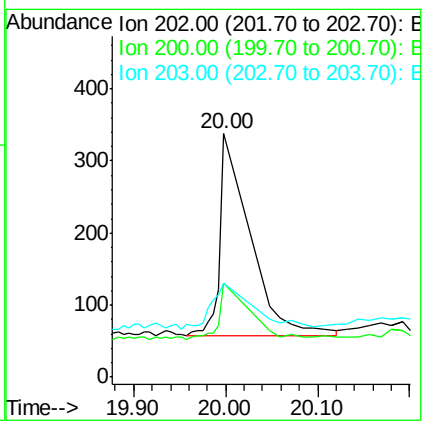


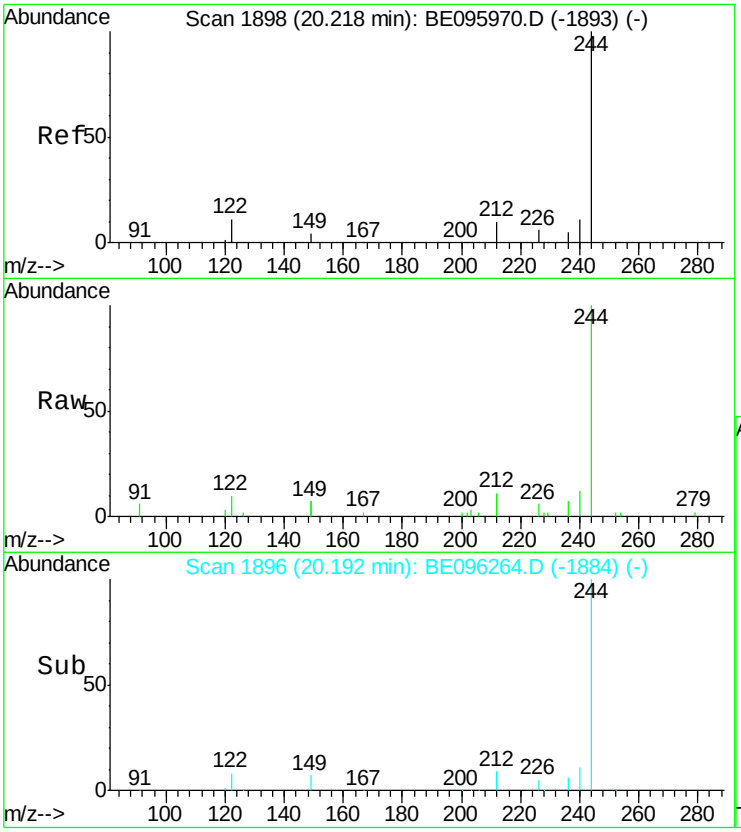


#28
Pyrene
Concen: 0.049 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:202 Resp: 377

Ion	Ratio	Lower	Upper
202	100		
200	27.3	16.6	25.0#
203	44.0	13.8	20.8#





#29
Terphenyl-d14
Concen: 0.447 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:244 Resp: 3837

Ion	Ratio	Lower	Upper
244	100		
212	11.0	25.4	38.0#
122	10.2	8.1	12.1

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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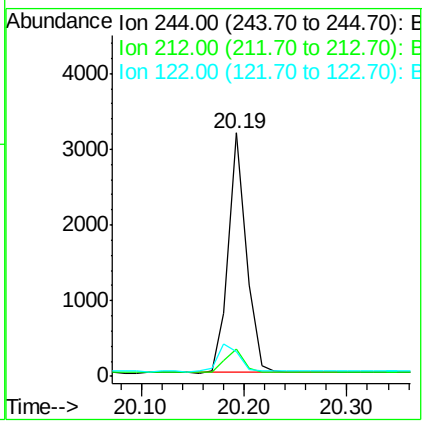
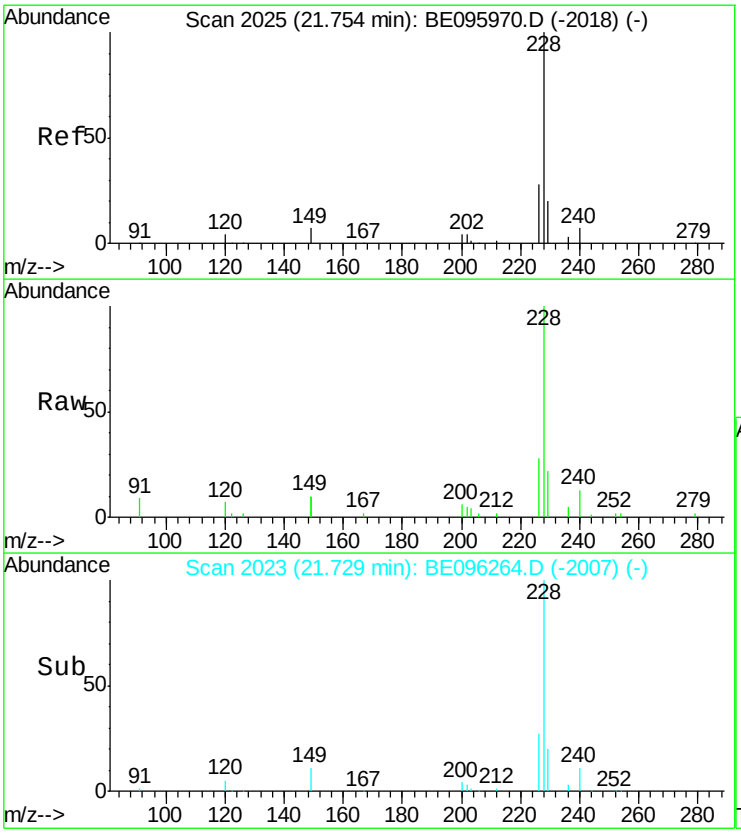
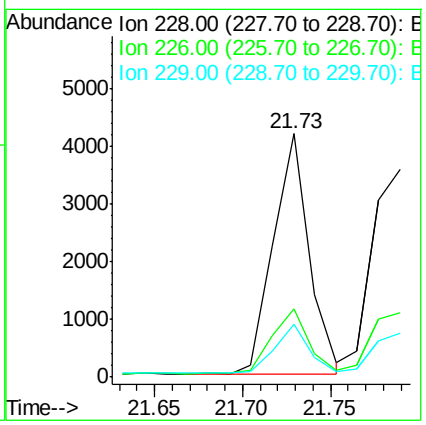


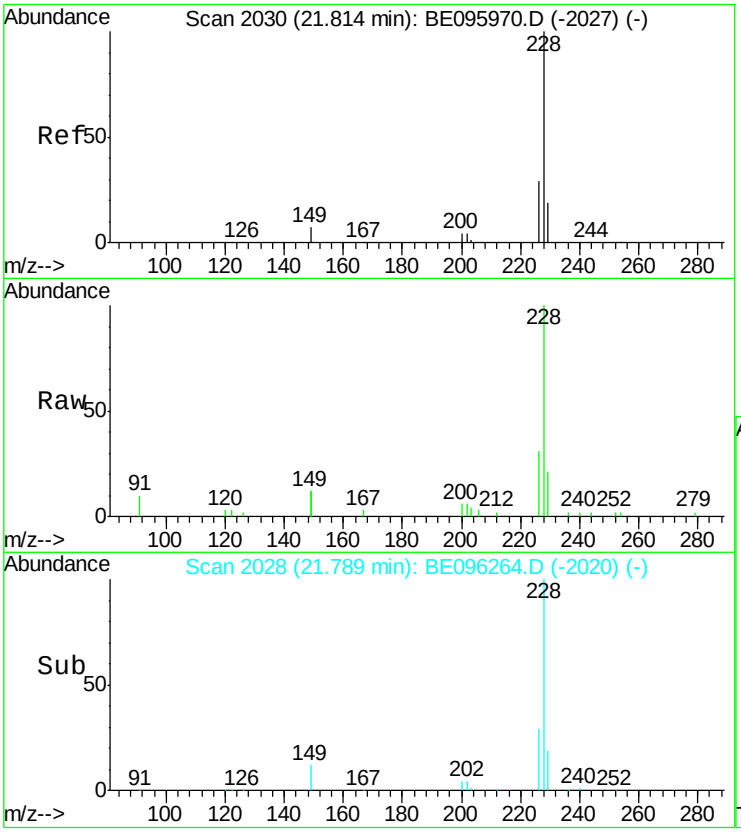


#30
Benzo(a)anthracene
Concen: 0.470 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:228 Resp: 5858

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.0	36.0
229	21.5	16.0	24.0





#31
Chrysene
Concen: 0.473 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:228 Resp: 5702

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	21.2	16.0	24.0

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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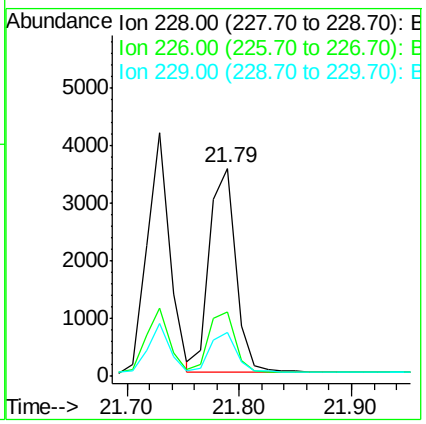
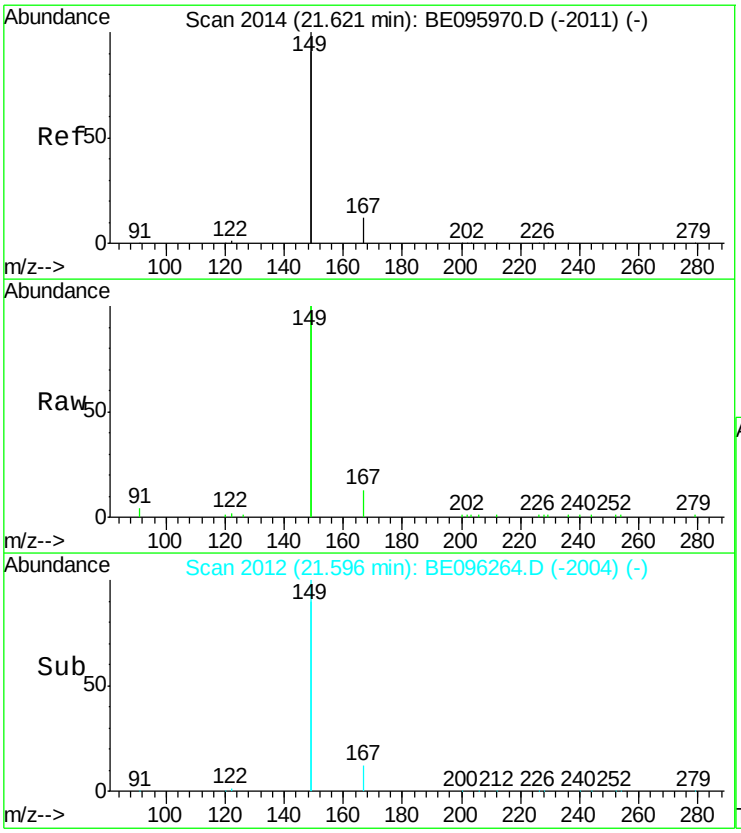
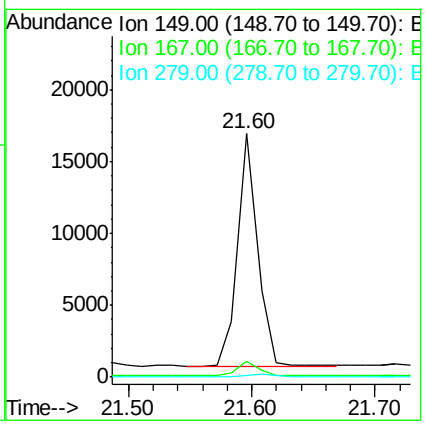


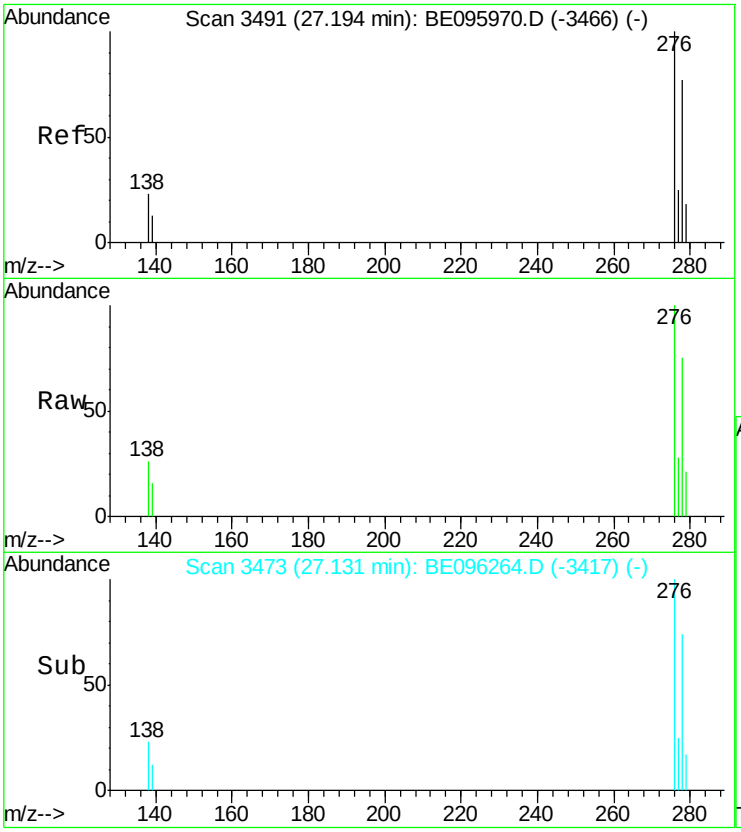


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.569 ng
RT: 21.60 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:149 Resp: 18323

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.8	0.7	1.1





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 27.13 min Scan# 3473
Delta R.T. 0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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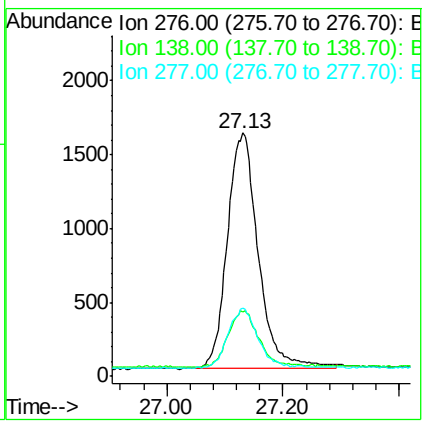
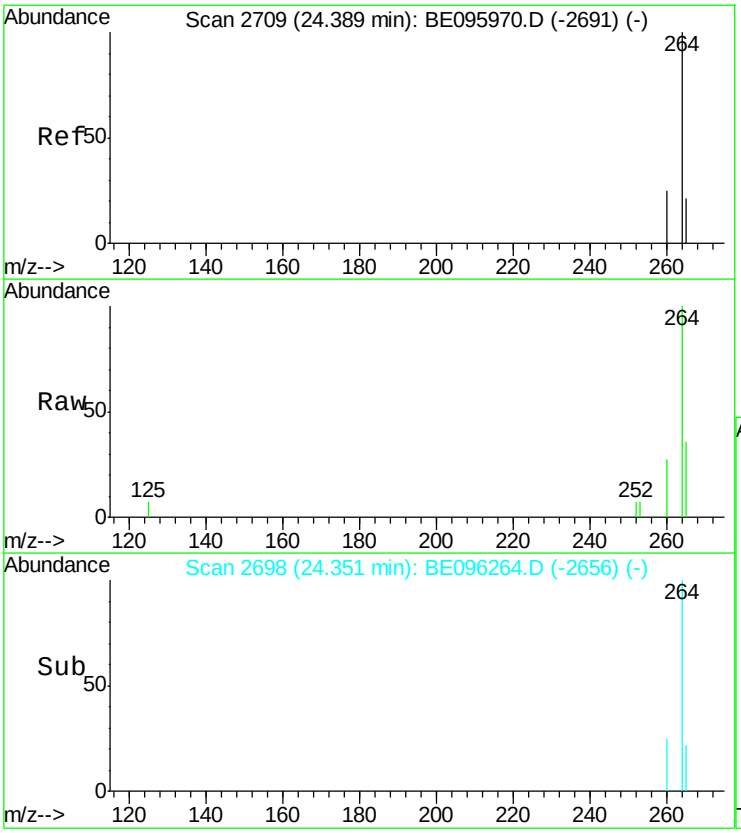
Tgt Ion:276 Resp: 5930

Ion	Ratio	Lower	Upper
276	100		
138	24.0	22.5	33.7
277	24.1	19.9	29.9

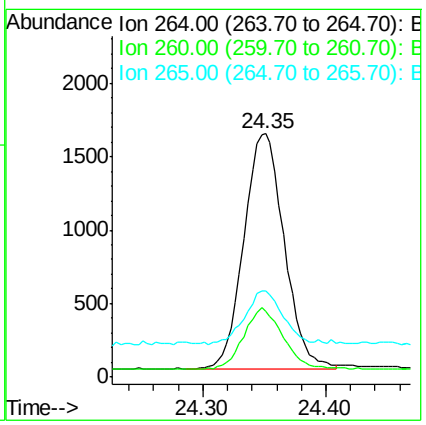


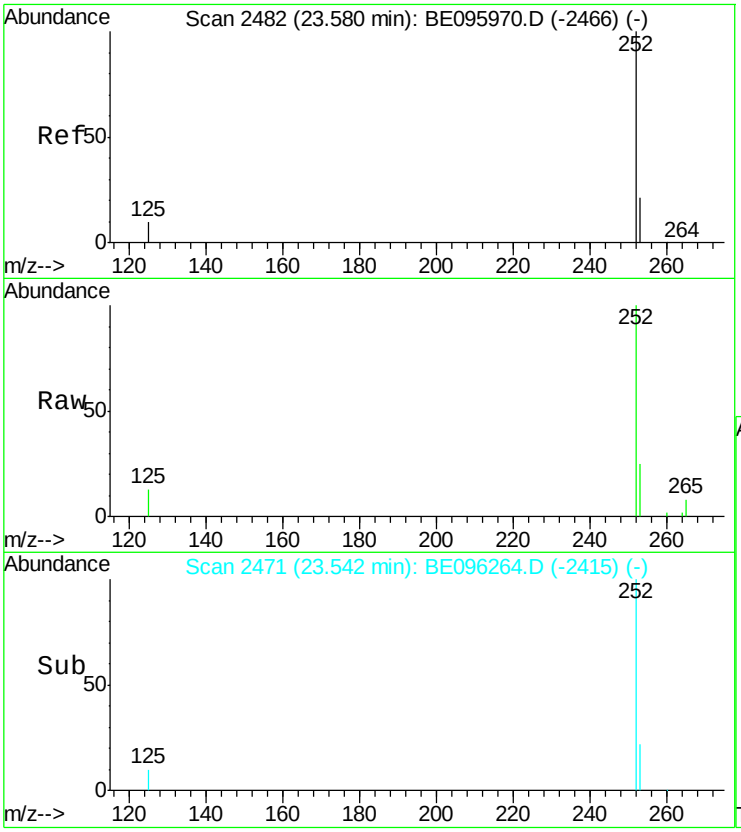


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:264 Resp: 3648

Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.5	30.7
265	35.6	22.8	34.2#





#35
Benzo(b)fluoranthene
Concen: 0.502 ng
RT: 23.54 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:252 Resp: 5495

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.0	30.0
125	13.2	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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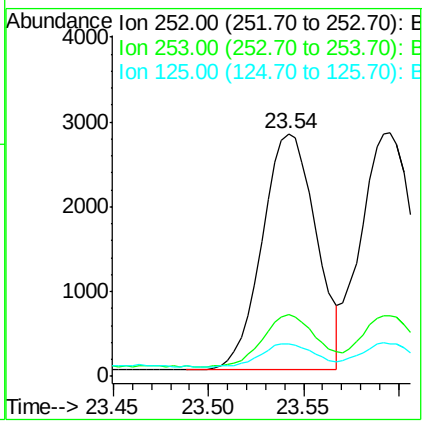
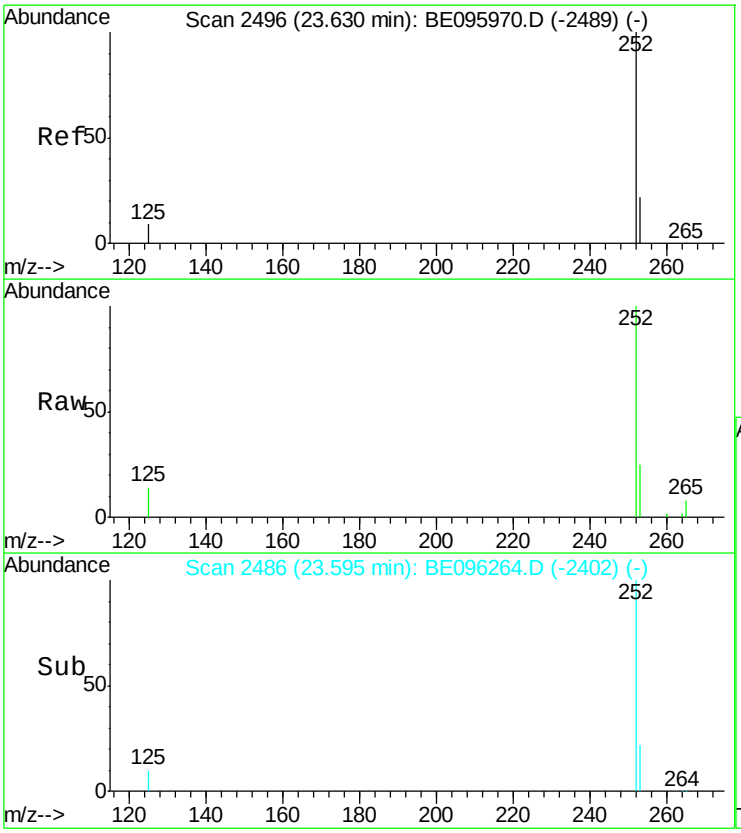
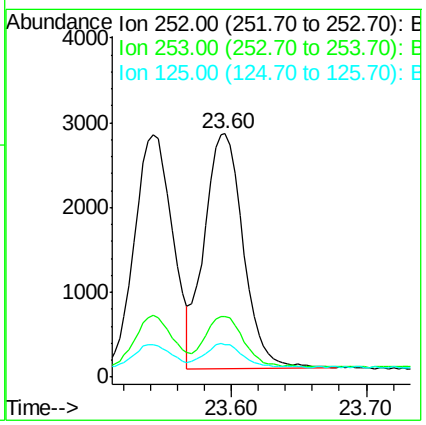


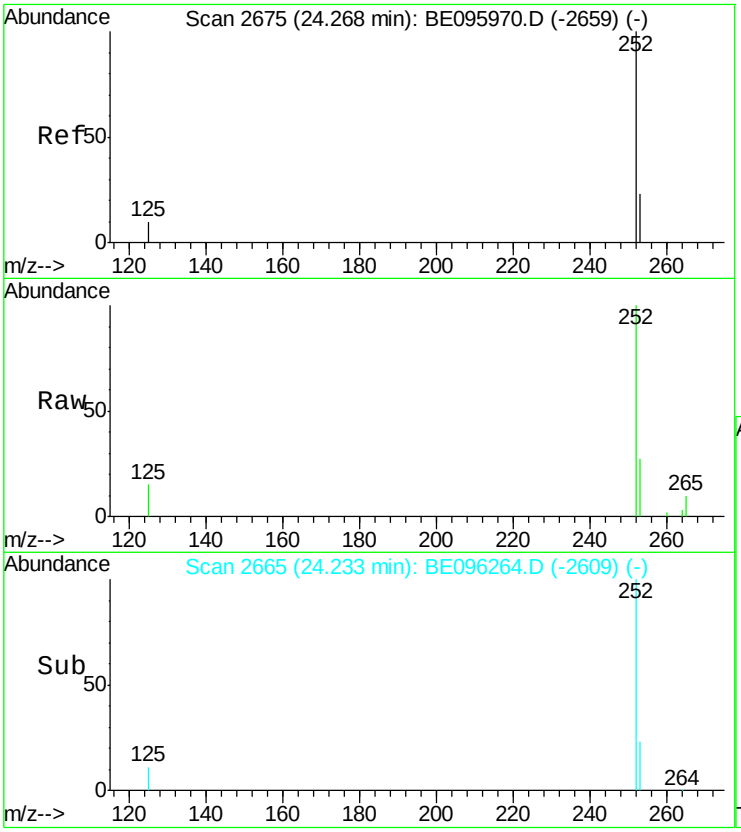


#36
Benzo(k)fluoranthene
Concen: 0.495 ng
RT: 23.60 min Scan# 2486
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:252 Resp: 5573

Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.0	24.0#
125	13.6	8.0	12.0#

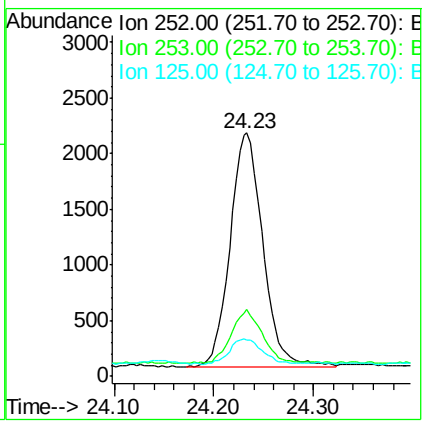




#37
Benzo(a)pyrene
Concen: 0.455 ng
RT: 24.23 min Scan# 2665
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:252 Resp: 4786

Ion	Ratio	Lower	Upper
252	100		
253	27.3	16.0	24.0#
125	15.1	12.0	18.0



Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

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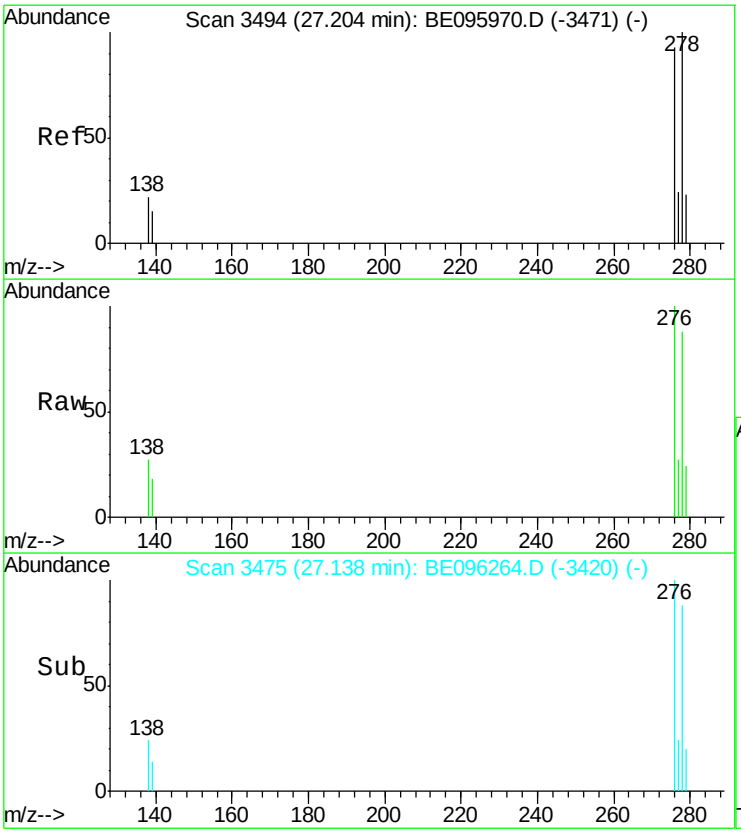
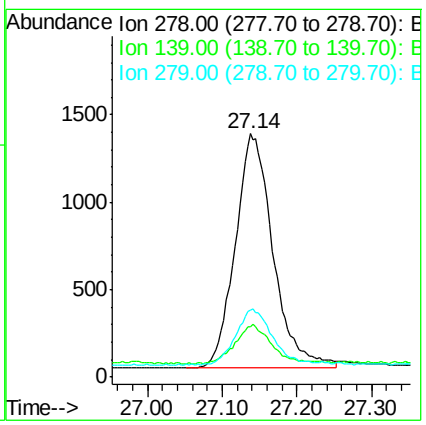
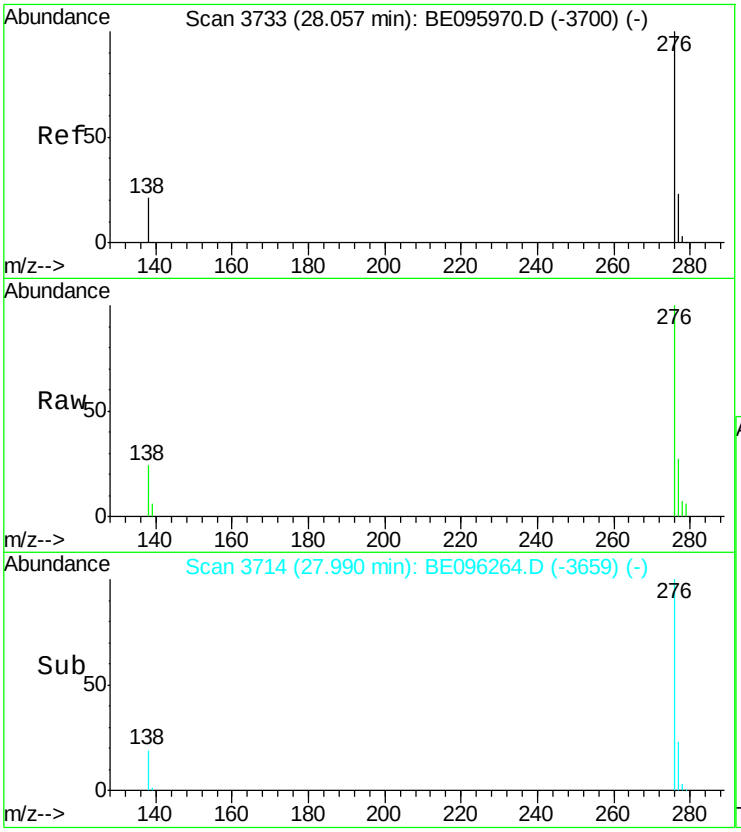


#38
Dibenzo(a,h)anthracene
Concen: 0.507 ng
RT: 27.14 min Scan# 3475
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:278 Resp: 4699

Ion	Ratio	Lower	Upper
278	100		
139	20.8	16.0	24.0
279	27.4	20.0	30.0

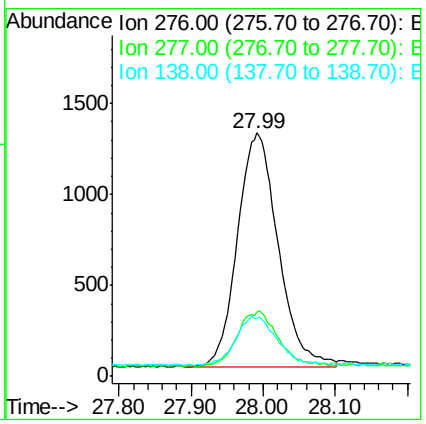




#39
Benzo(g,h,i)perylene
Concen: 0.504 ng
RT: 27.99 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BE096264.D
Acq: 1 May 2018 19:15

Tgt Ion:276 Resp: 4942

Ion	Ratio	Lower	Upper
276	100		
277	26.7	16.0	24.0#
138	23.6	20.0	30.0



Instrument :
BNA_E
ClientSampleId :
BP-HN-MW24S-20180424MSD

Manual Integrations APPROVED
Sohil
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